

# SHARP SERVICE MANUAL

No. S14A1LC60EQ1P

## LCD COLOR TELEVISION

**LC-60/70EQ10U**

**LC-60/70SQ10U**

**LC-60/70SQ15U**

**LC-60/70SQ17U**

**LC-60/70TQ15U**

**MODELS LC-60/70UQ17U**

**PWB Unit Edition**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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#### Parts Guide

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

## OUTLINE

### OUTLINE

| MODEL NAME                          | PARTS CODE    | DESCRIPTION              |
|-------------------------------------|---------------|--------------------------|
| LC-60/70EQ10U                       | DKEYMG381FM01 | MAIN Unit                |
| LC-60/70SQ15U/17U,TQ15U,SQ10U,UQ17U | DKEYMG382FM01 | MAIN Unit                |
| LC-60EQ10U,SQ10U/15U/17U            | DUNTKG400FM01 | LCD CONTROL (T-CON) Unit |
| LC-70EQ10U,SQ10U/15U/17U            | DUNTKG400FM02 | LCD CONTROL (T-CON) Unit |
| LC-60TQ15U,UQ17U                    | DUNTKG400FM10 | LCD CONTROL (T-CON) Unit |
| LC-70TQ15U,UQ17U                    | DUNTKG400FM11 | LCD CONTROL (T-CON) Unit |

- We inform you that service parts in the PWB Unit.

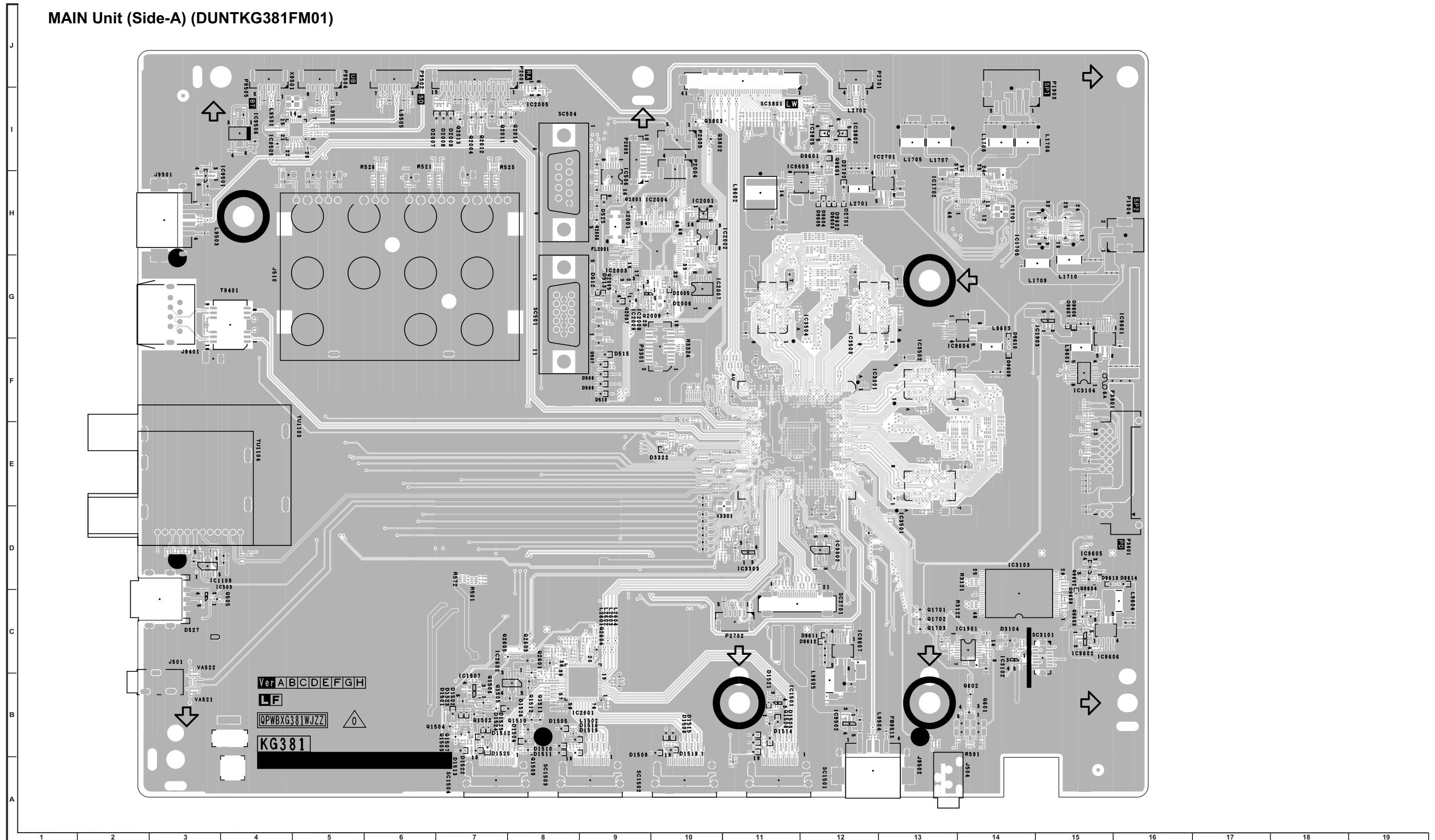
NOTE: \*1 Replace MAIN PWB Units (DKEYMG381FM01) in case of IC3103 failure.

Replace MAIN PWB Units (DKEYMG382FM01) in case of IC3103, IC3301 failure.

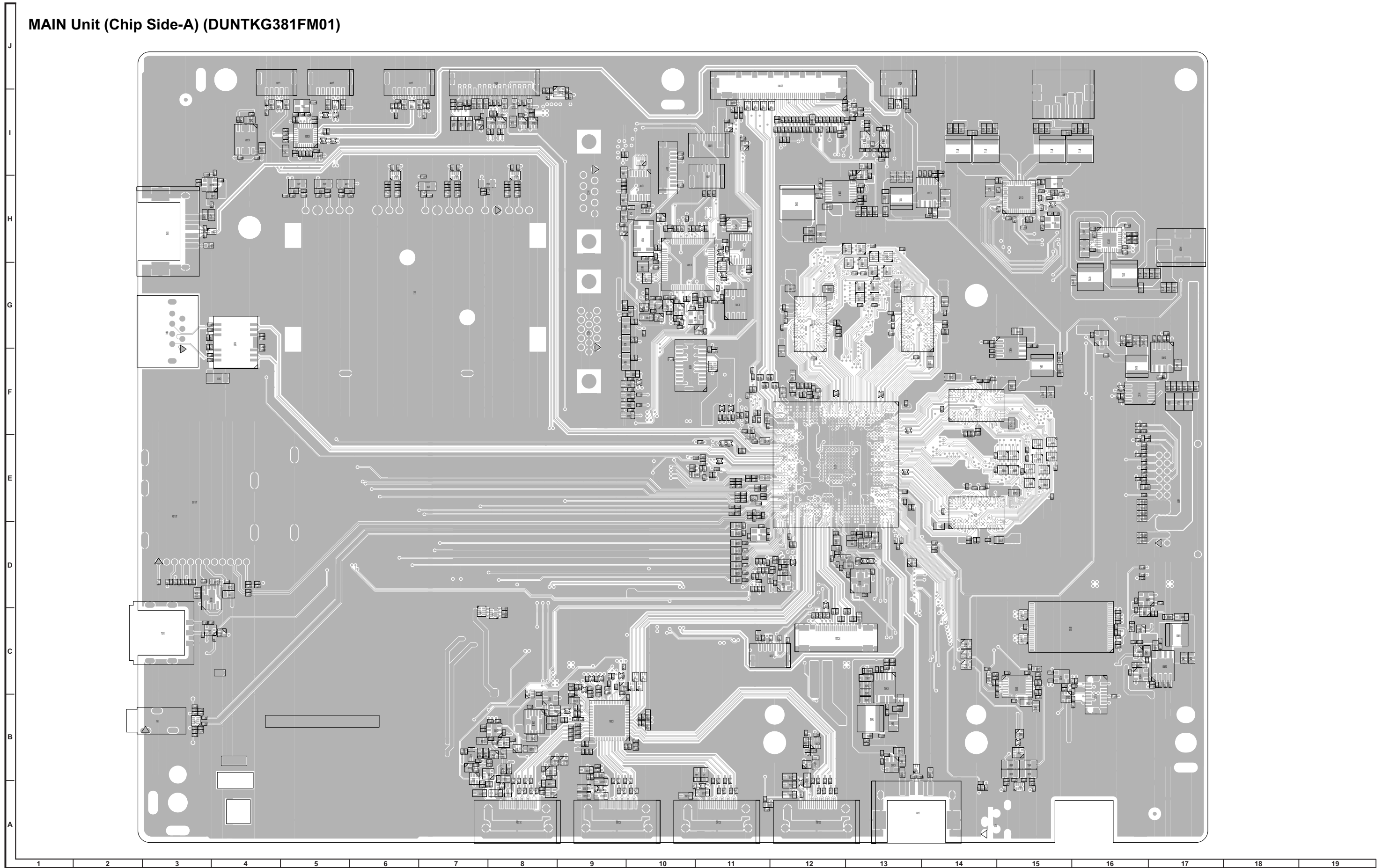
\*2 Replace LCD CONTROL Units (DUNTKG400FM\*\*) in case of IC5803 failure.

# CHAPTER 1. PRINTED WIRING BOARD ASSEMBLIES

## [1] MAIN Unit (DUNTKG381FM01)

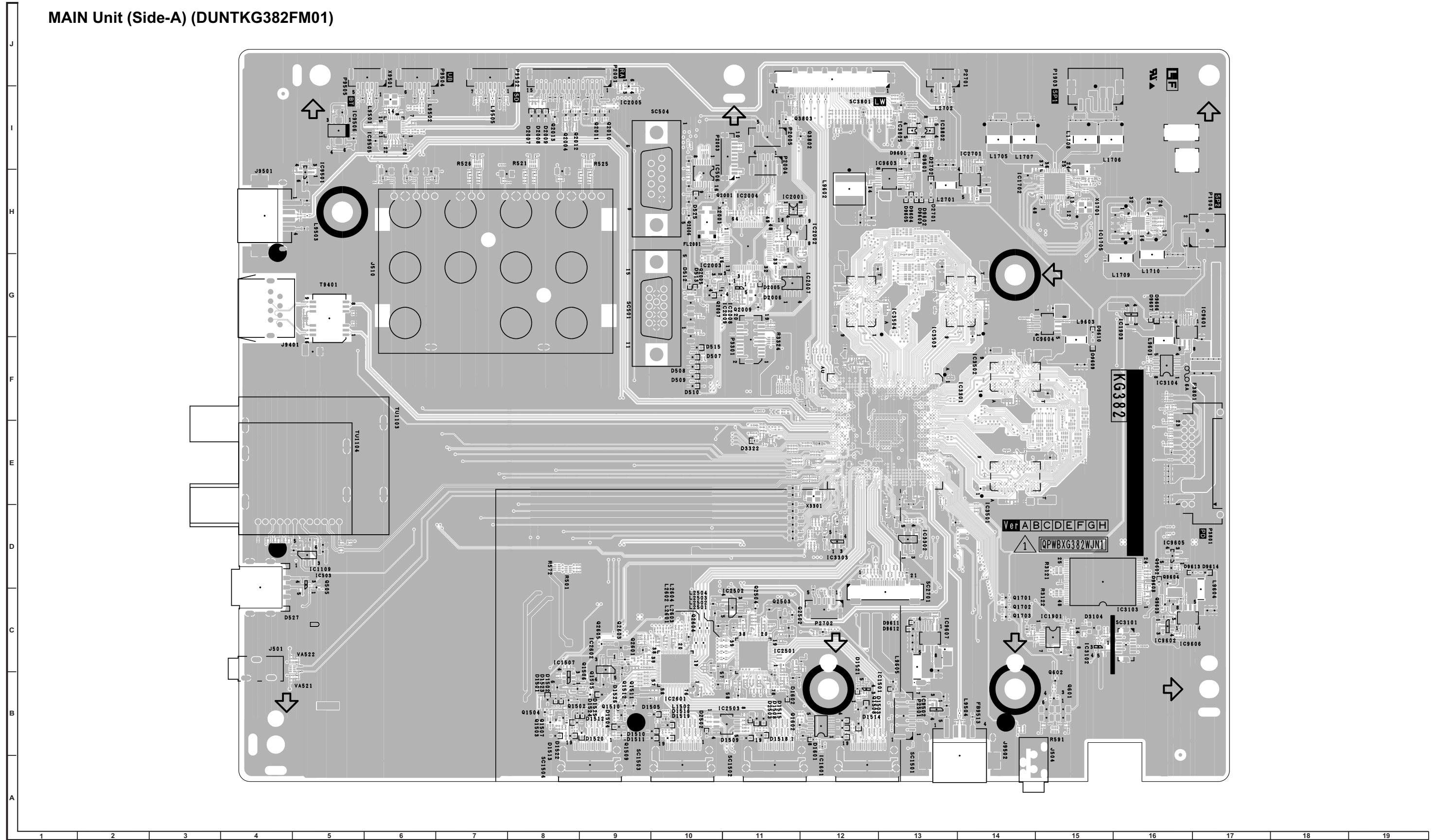


MAIN Unit (Chip Side-A) (DUNTKG381FM01)

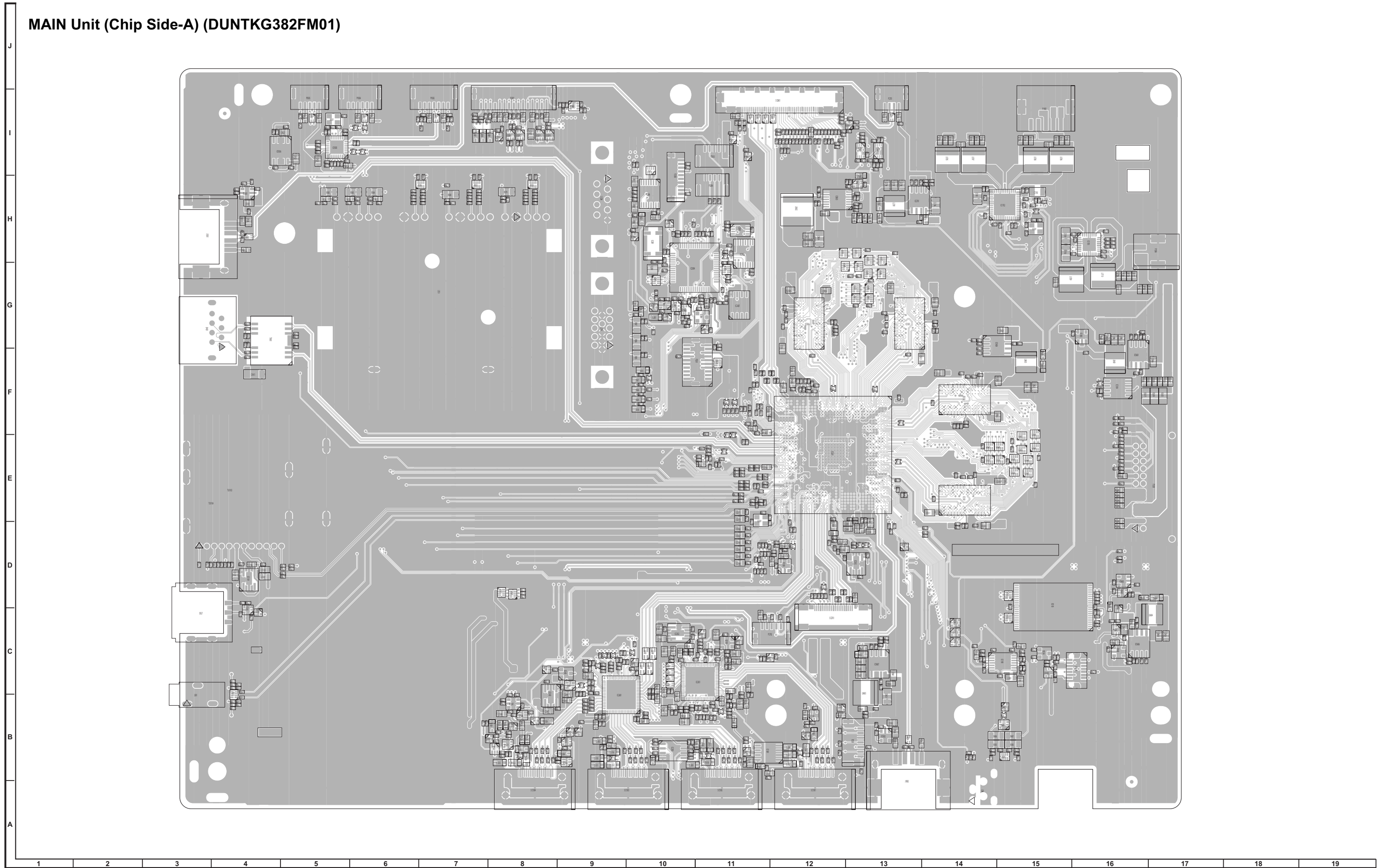


[2] MAIN Unit (DUNTKG382FM01)

MAIN Unit (Side-A) (DUNTKG382FM01)

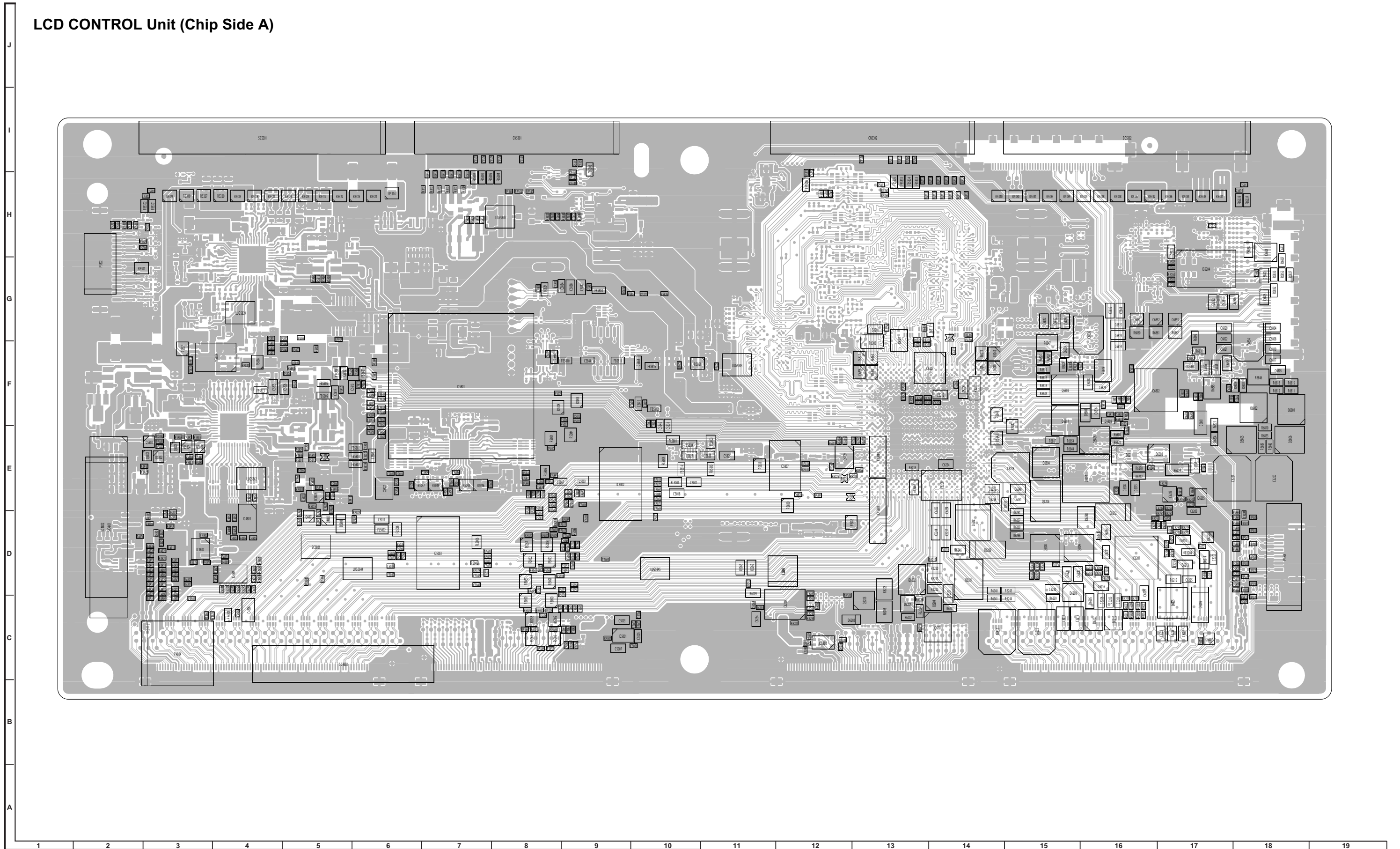


**MAIN Unit (Chip Side-A) (DUNTKG382FM01)**

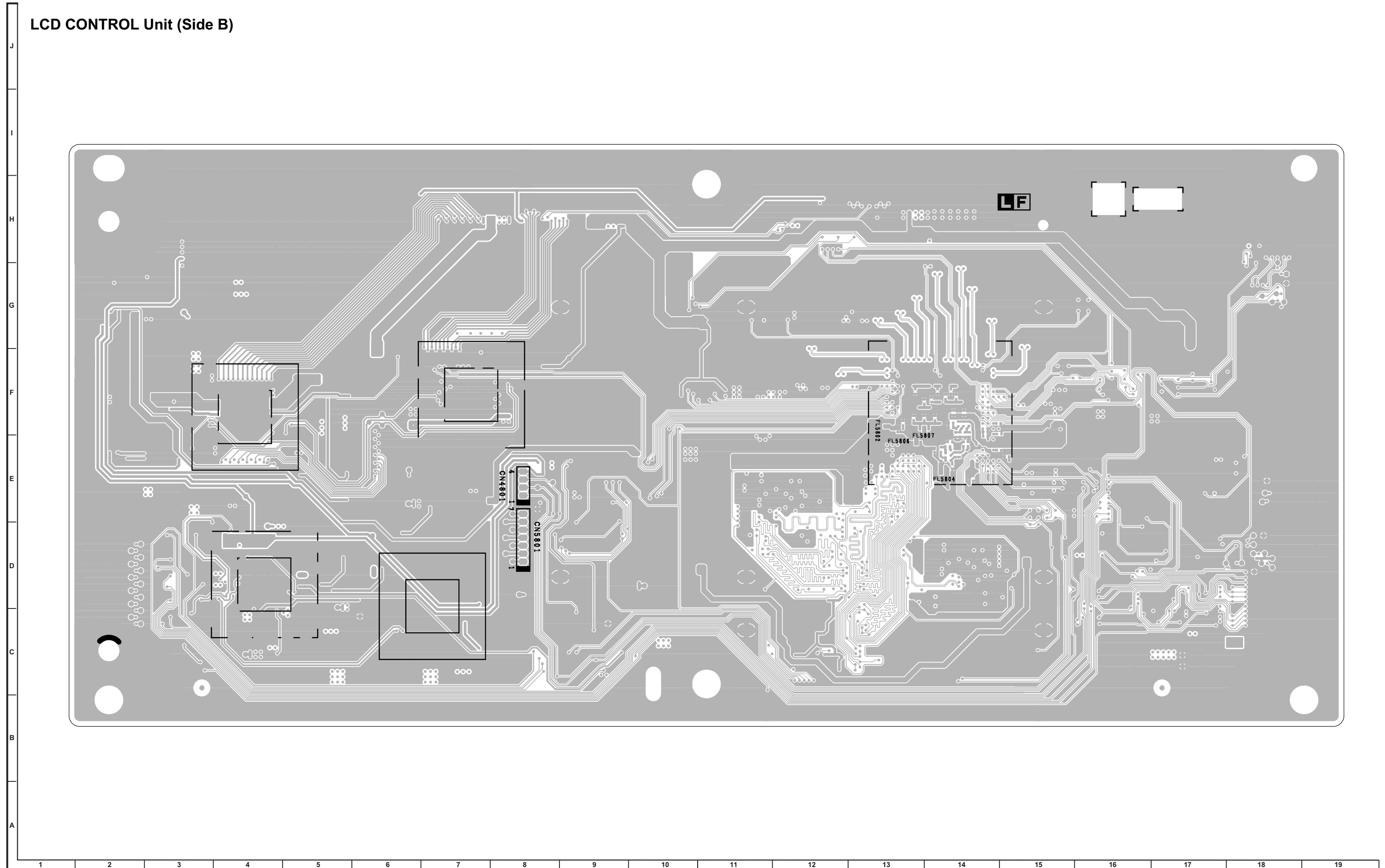




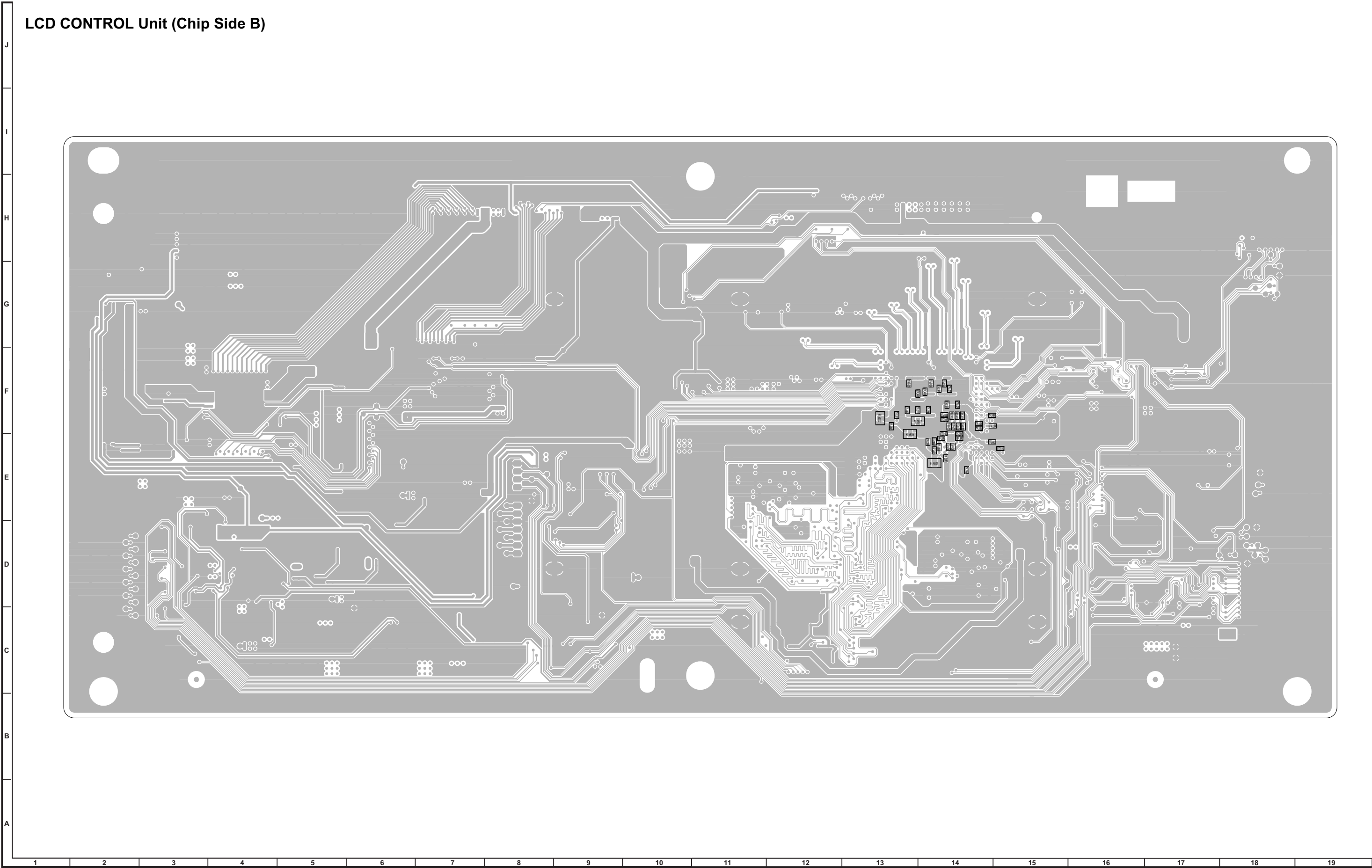
LCD CONTROL Unit (Chip Side A)



LCD CONTROL Unit (Side B)



LCD CONTROL Unit (Chip Side B)



## CHAPTER 2. SCHEMATIC DIAGRAM

### [1] DESCRIPTION OF SCHEMATIC DIAGRAM

#### 1. VOLTAGE MEASUREMENT CONDITION:

- 1) The voltages at test points are measured on exclusive AC adaptor and the stable supply voltage of AC 120V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

#### 2. INDICATION OF RESISTOR & CAPACITOR:

##### RESISTOR

- 1) The unit of resistance " $\Omega$ " is omitted.  
(K=k $\Omega$ =1000 $\Omega$ , M=M $\Omega$ ).
- 2) All resistors are  $\pm 5\%$ , unless otherwise noted.  
(K=  $\pm 10\%$ , F=  $\pm 1\%$ , D=  $\pm 0.5\%$ )
- 3) All resistors are 1/16W, unless otherwise noted.

##### CAPACITOR

- 1) All capacitors are  $\mu\text{F}$ , unless otherwise noted.  
(P=pF= $\mu\mu\text{F}$ ).
- 2) All capacitors are 50V, unless otherwise noted.


##### CAUTION:

This circuit diagram is original one, therefore there may be a slight difference from yours.


##### SAFETY NOTES:

- 1) DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
- 2) SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

##### IMPORTANT SAFETY NOTICE:

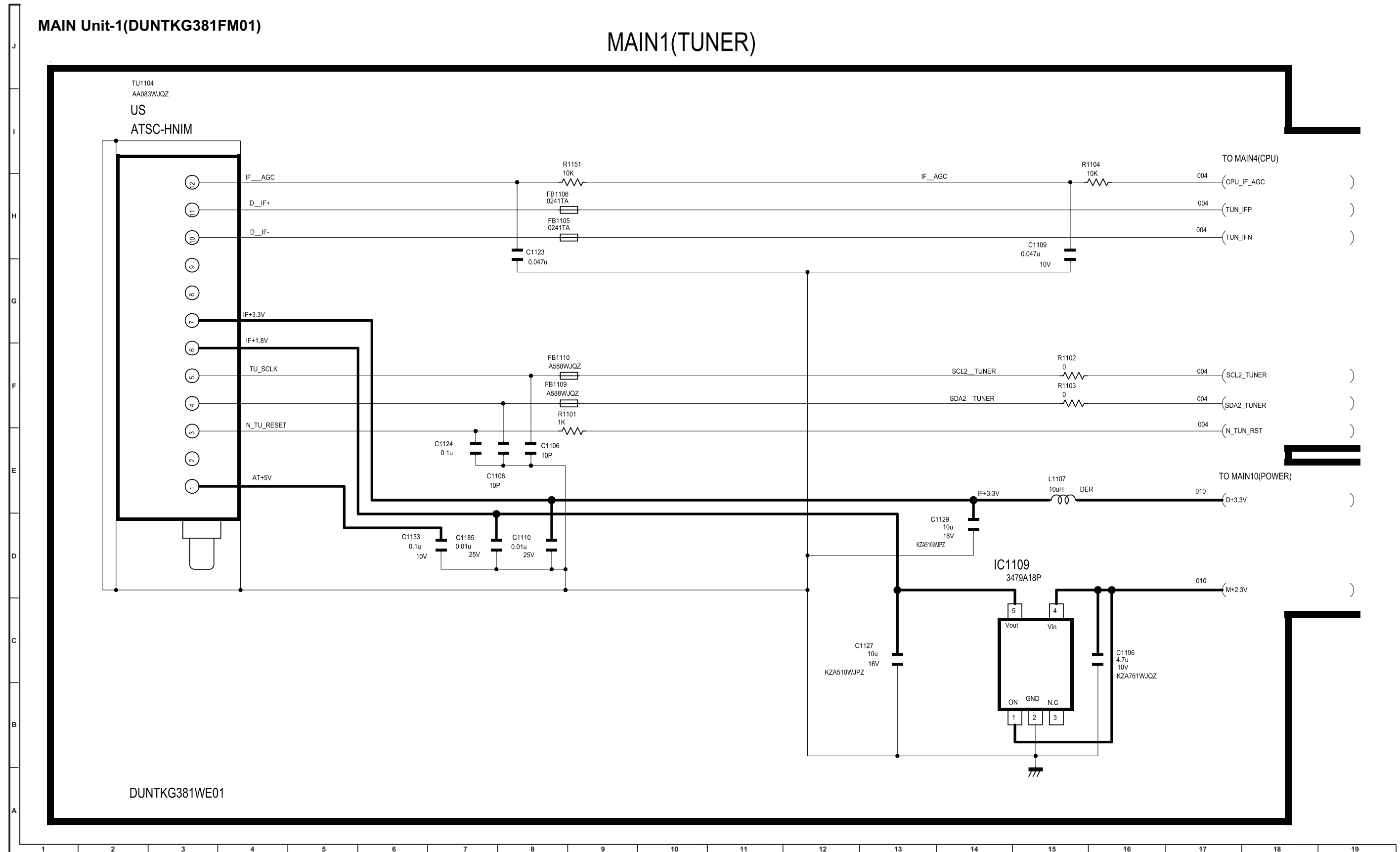
PARTS MARKED WITH "  $\triangle$  " (  ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

##### AVIS DE SECURITE IMPORTANT:

LES PIECES MARQUEES "  $\triangle$  " (  ) SONT IMPORTANTES POUR MAINTENIR LA SECURITE DE L'APPAREIL. NE REMPLACER CES PIECES QUE PAR DES PIECES DONT LE NUMERO EST SPECIFIE POUR MAINTENIR LA SECURITE ET PROTEGER LE BON FONCTIONNEMENT DE L'APPAREIL.

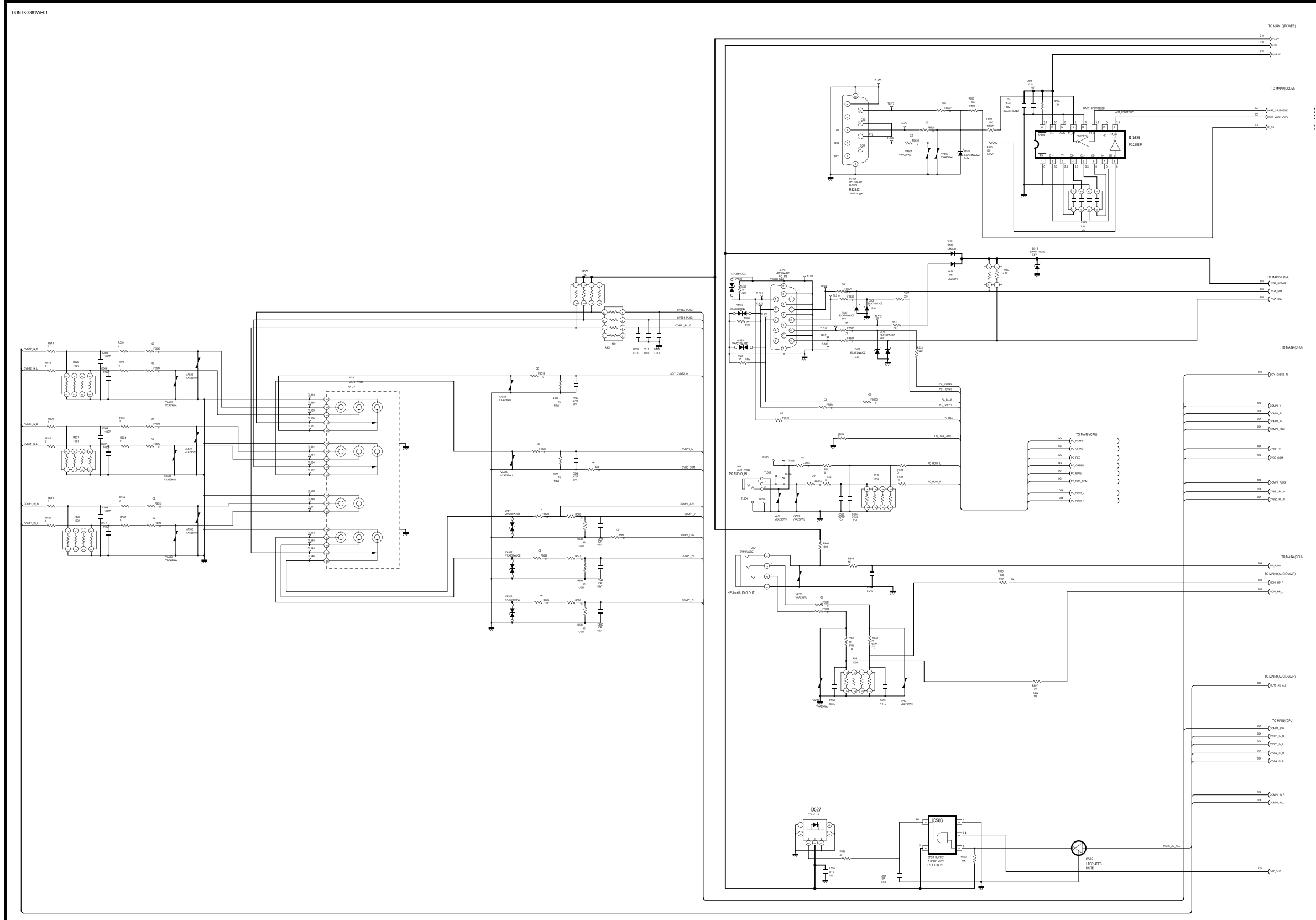
[2] SCHEMATIC DIAGRAM

- MAIN Unit (DKEYMG381FM01)

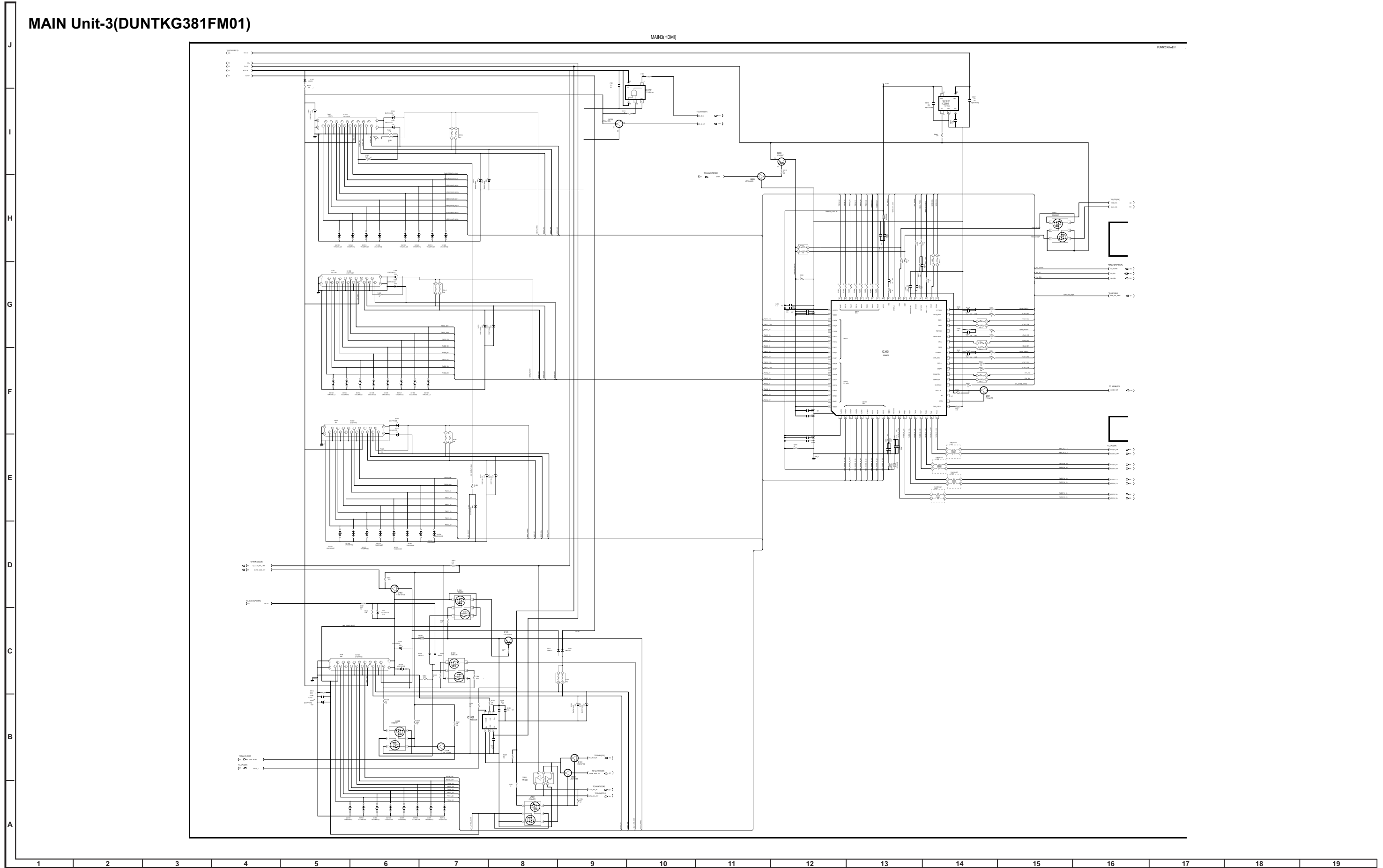


MAIN Unit-2(DUNTKG381FM01)

MAIN2(TERMINAL)

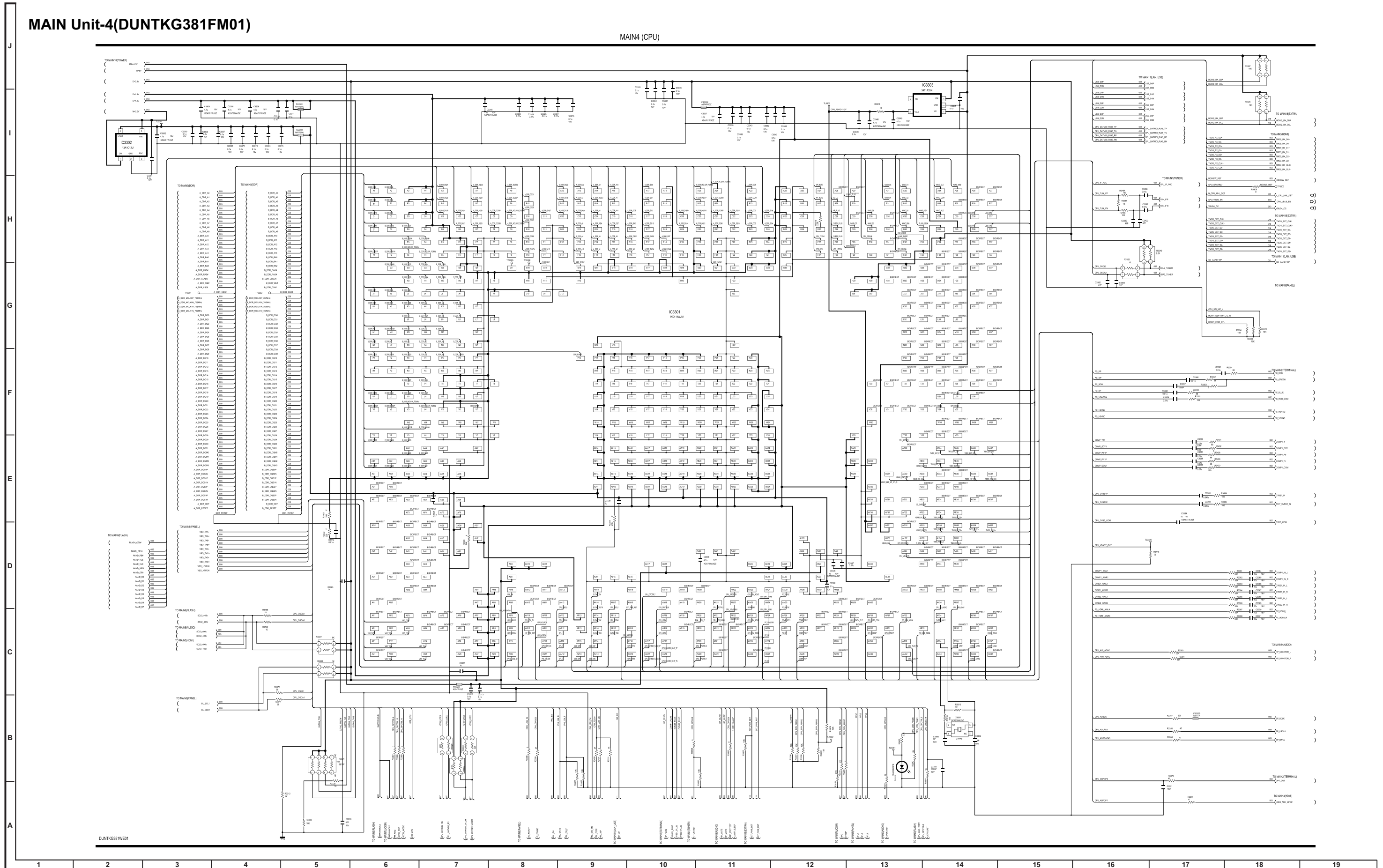


MAIN Unit-3(DUNTKG381FM01)



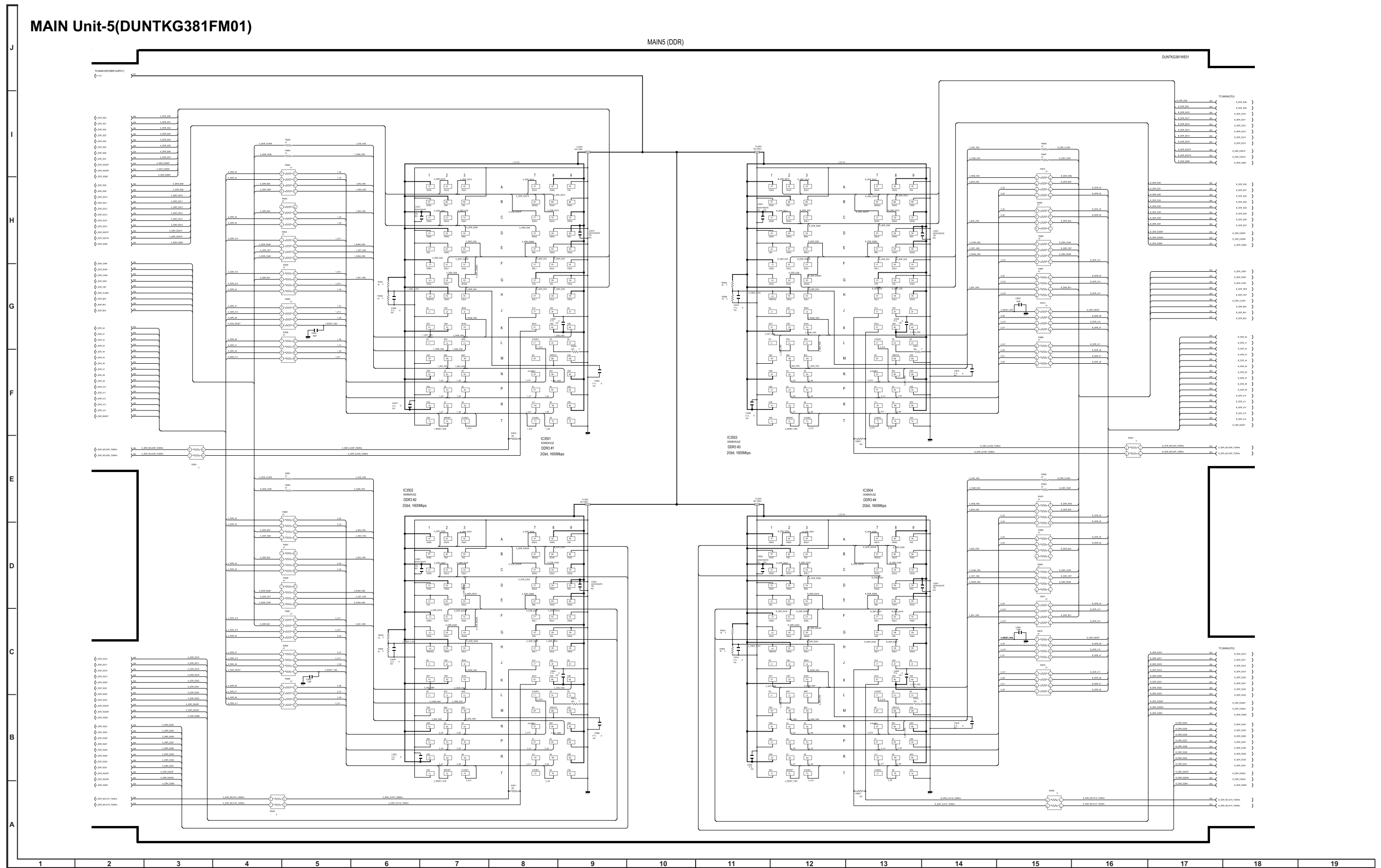
MAIN Unit-4(DUNTKG381FM01)

MAIN4 (CPU)



MAIN Unit-5(DUNTKG381FM01)

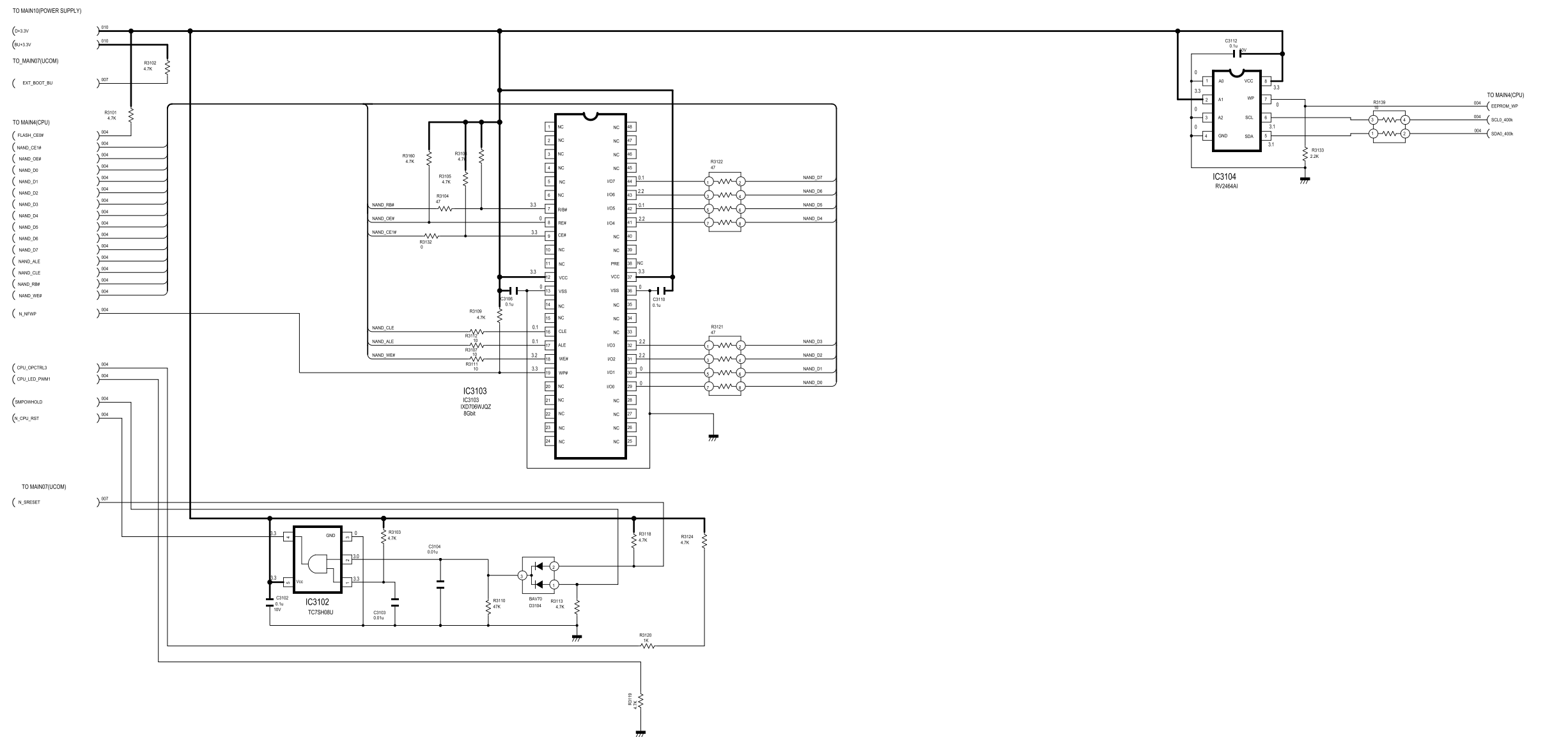
MAINS (DDR)



MAIN Unit-6(DUNTKG381FM01)

MAIN6 (FLASH)

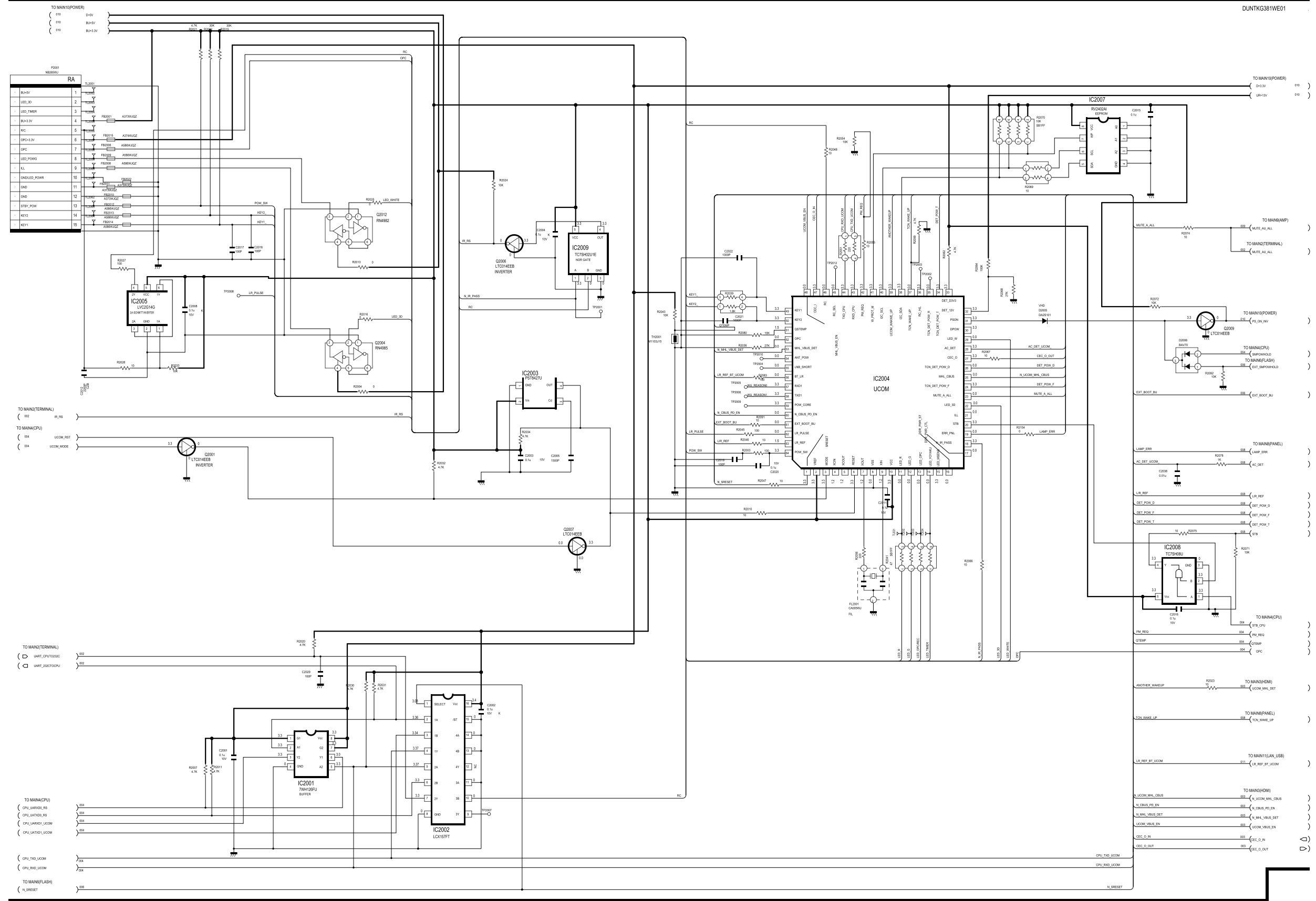
DUNTKG381WE01



MAIN Unit-7(DUNTKG381FM01)

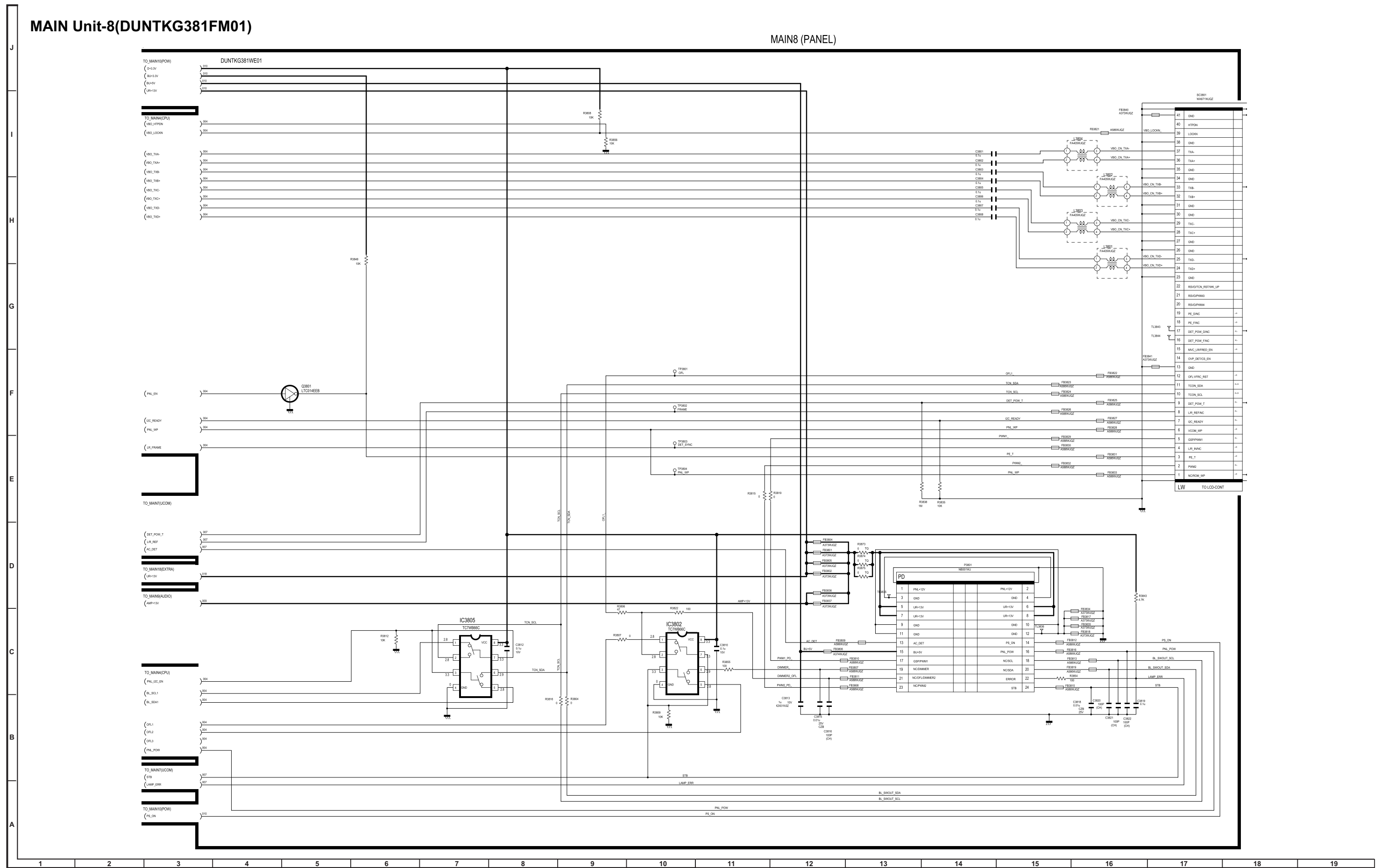
MAIN7 (UCOM)

DUNTKG381WE01



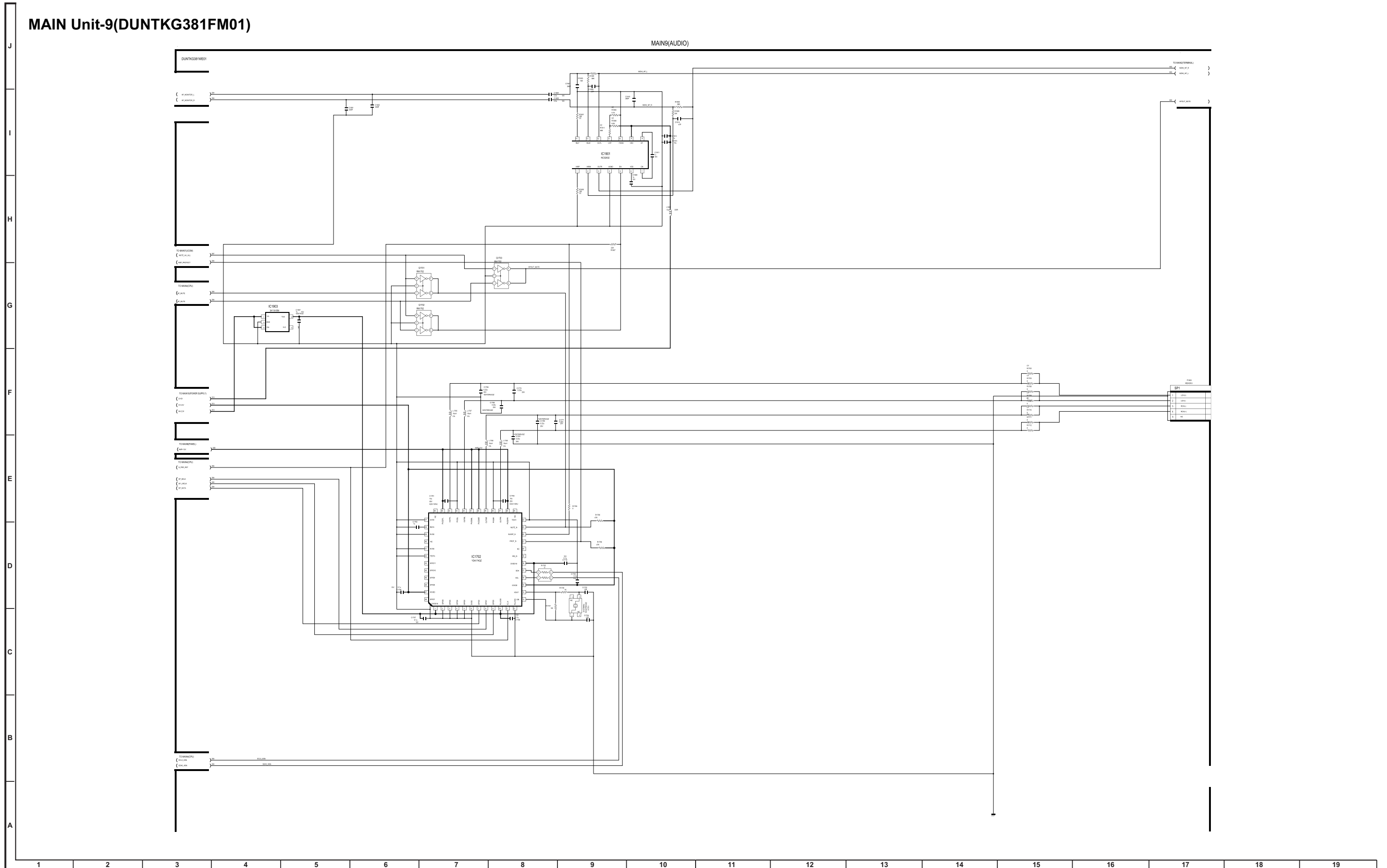
MAIN Unit-8(DUNTKG381FM01)

MAIN8 (PANEL)



MAIN Unit-9(DUNTKG381FM01)

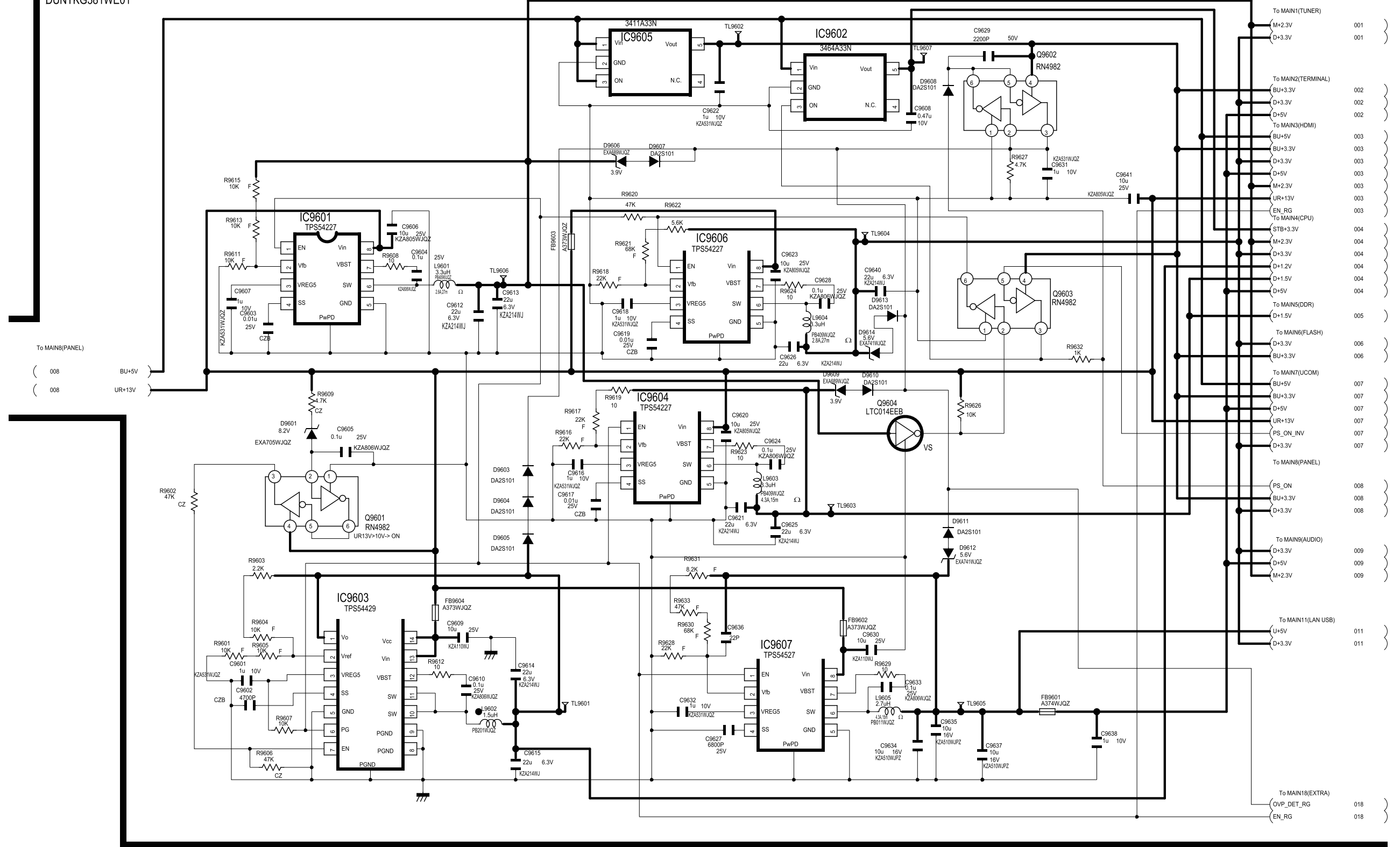
MAIN9(AUDIO)



MAIN Unit-10(DUNTKG381FM01)

MAIN10(POWER)

DUNTKG381WE01



To MAIN8(PANEL)

( 008 BU+5V

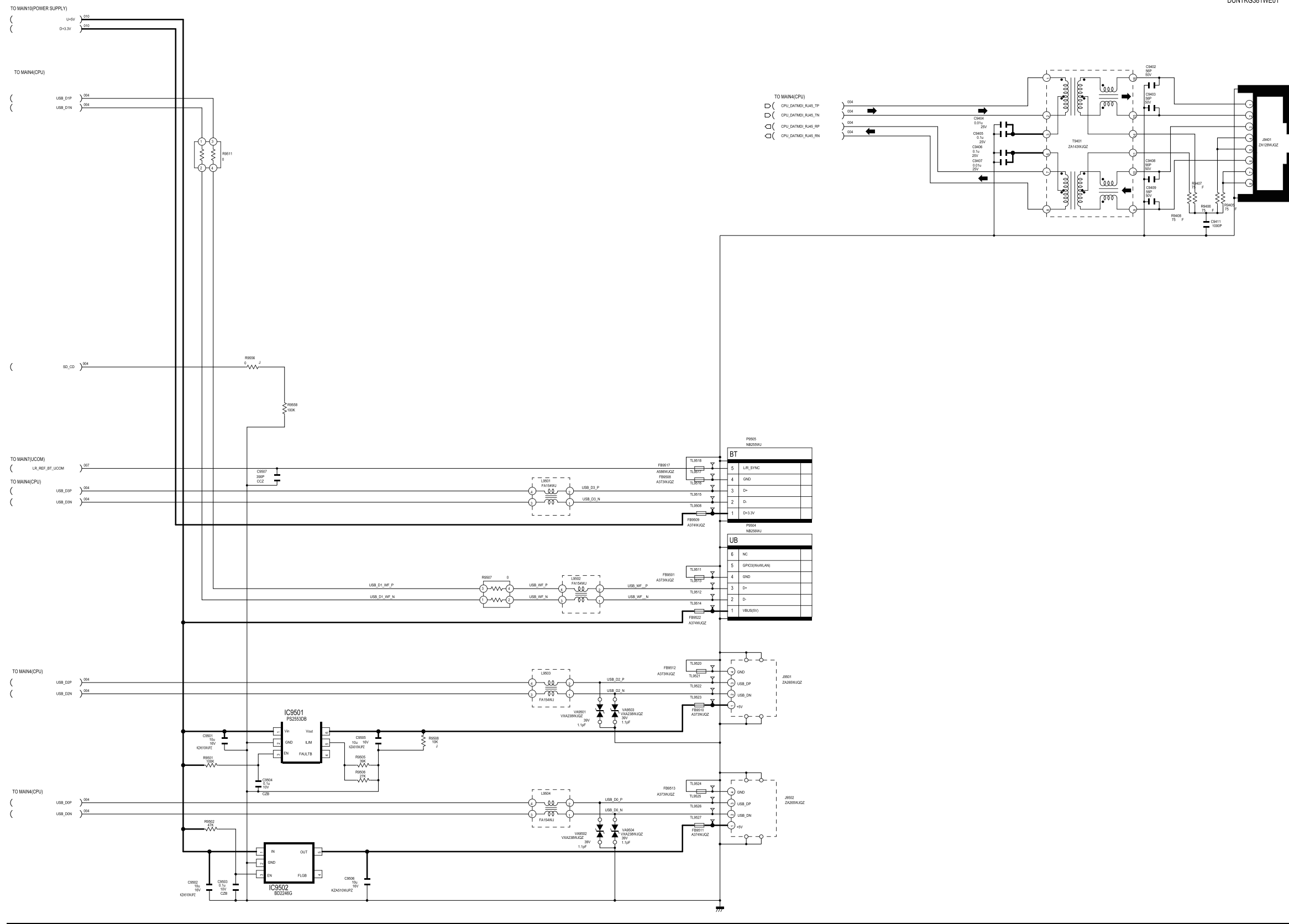
( 008 UR+13V

- To MAIN1(TUNER)
  - M+2.3V 001
  - D+3.3V 001
- To MAIN2(TERMINAL)
  - BU+3.3V 002
  - D+3.3V 002
- To MAIN3(HDMI)
  - BU+5V 003
  - BU+3.3V 003
  - D+5V 003
  - M+2.3V 003
  - UR+13V 003
  - EN\_RG To MAIN4(CPU) 003
  - STB+3.3V 004
  - M+2.3V 004
  - D+3.3V 004
  - D+1.2V 004
  - D+5V 004
- To MAIN5(DOR)
  - D+1.5V 005
- To MAIN6(FLASH)
  - D+3.3V 006
  - BU+3.3V 006
- To MAIN7(UCOM)
  - BU+5V 007
  - BU+3.3V 007
  - D+5V 007
  - UR+13V 007
  - PS\_ON\_INV 007
  - D+3.3V 007
- To MAIN8(PANEL)
  - PS\_ON 008
  - BU+3.3V 008
  - D+3.3V 008
- To MAIN9(AUDIO)
  - D+3.3V 009
  - D+5V 009
  - M+2.3V 009
- To MAIN11(LAN USB)
  - U+5V 011
  - D+3.3V 011
- To MAIN18(EXTRA)
  - OVP\_DET\_RG 018
  - EN\_RG 018

MAIN Unit-11(DUNTKG381FM01)

MAIN11(LAN\_USB)

DUNTKG381WE01



- TO MAIN(CPU)
- CPU\_DATM01\_R44\_TP
- CPU\_DATM01\_R44\_TN
- CPU\_DATM01\_R44\_TP
- CPU\_DATM01\_R44\_PN

| BT |          |
|----|----------|
| 5  | LRL_SYNC |
| 4  | GND      |
| 3  | D+       |
| 2  | D-       |
| 1  | D+3.3V   |

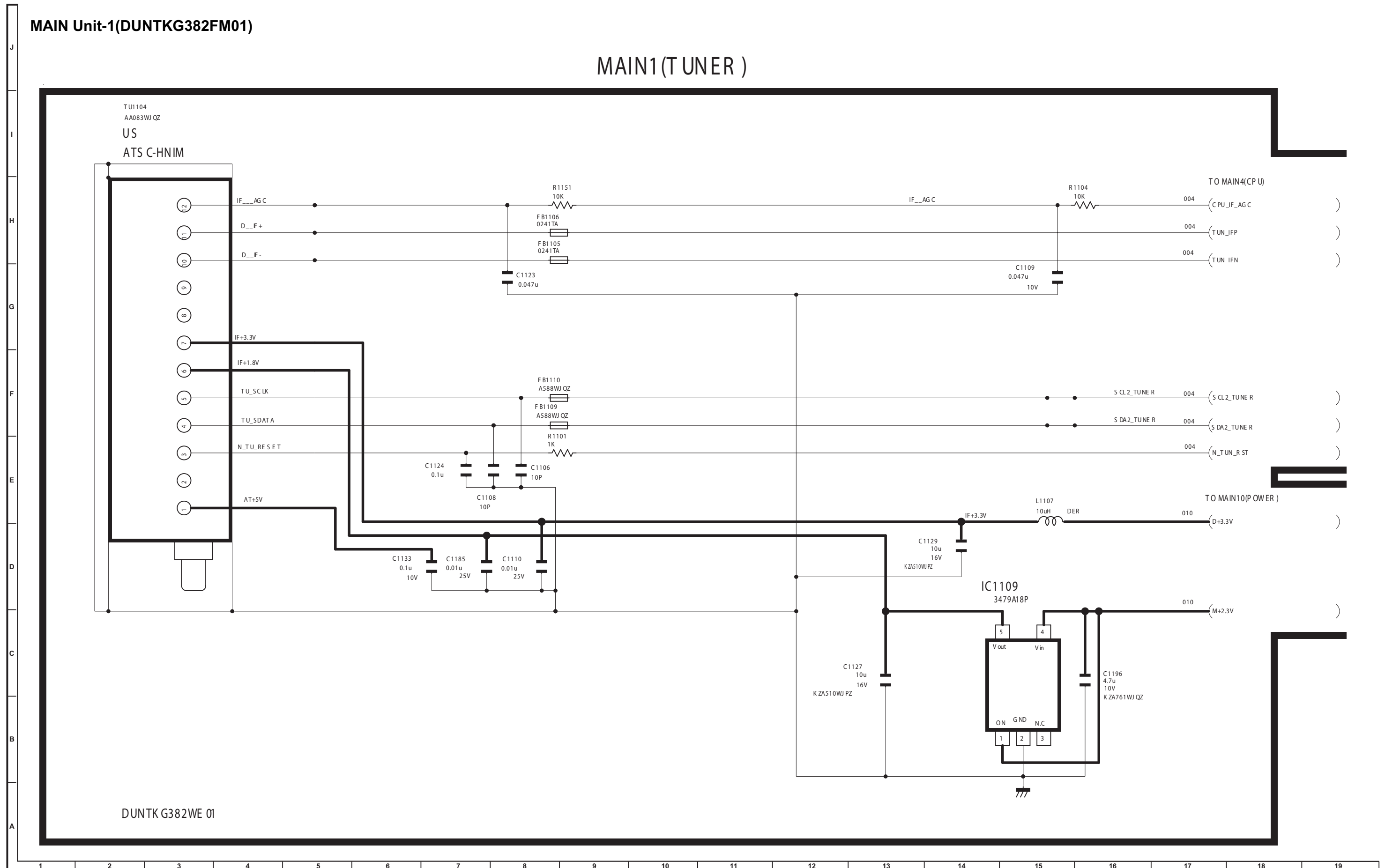
  

| UB |               |
|----|---------------|
| 6  | NC            |
| 5  | GPIC00W(PLAN) |
| 4  | GND           |
| 3  | D+            |
| 2  | D-            |
| 1  | VBIUS(V)      |

• MAIN Unit (DKEYMG382FM01)

MAIN Unit-1(DUNTKG382FM01)

MAIN1(TUNER)

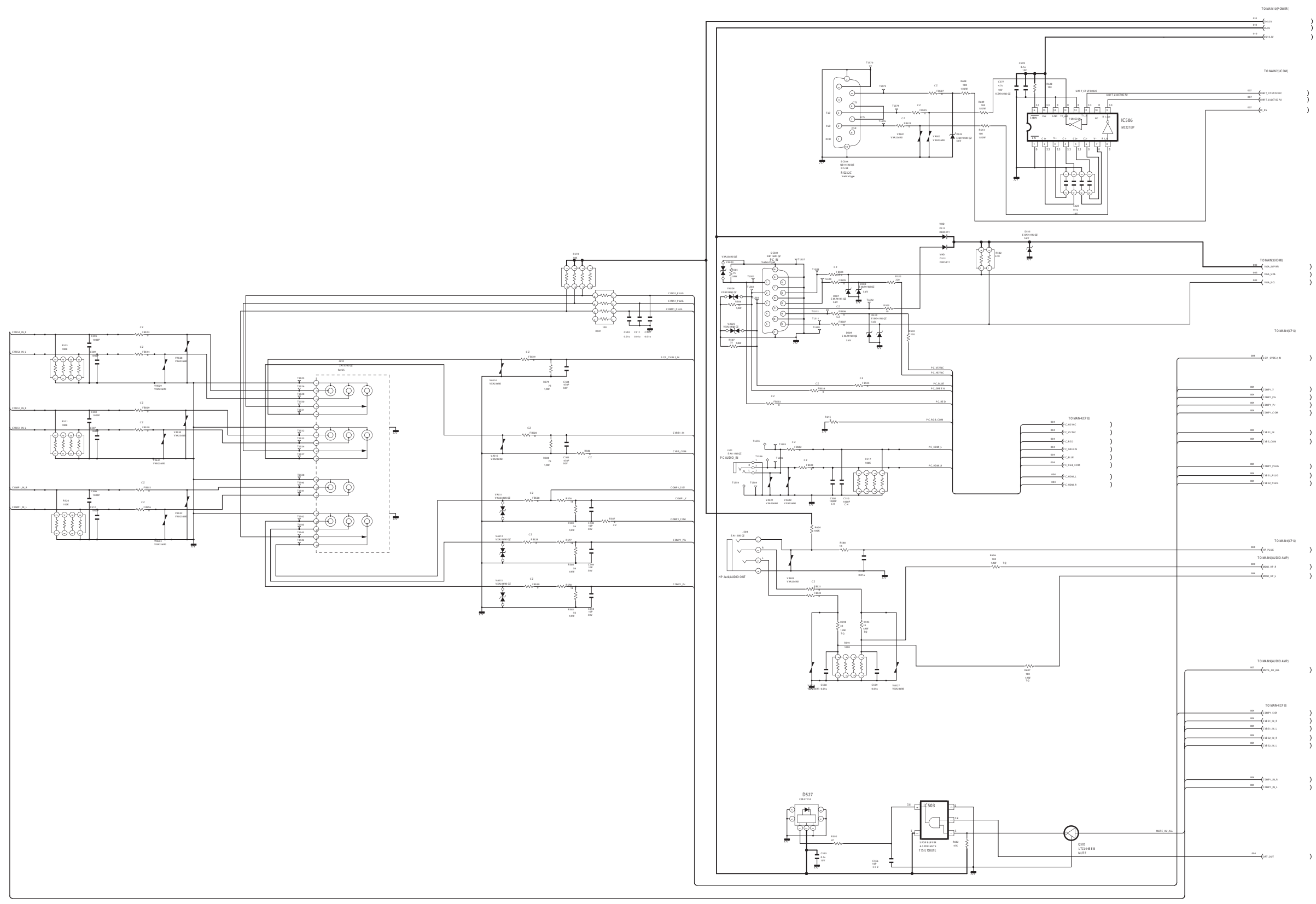


DUNTKG382WE 01

MAIN Unit-2(DUNTKG382FM01)

MAIN2(TER MNAL)

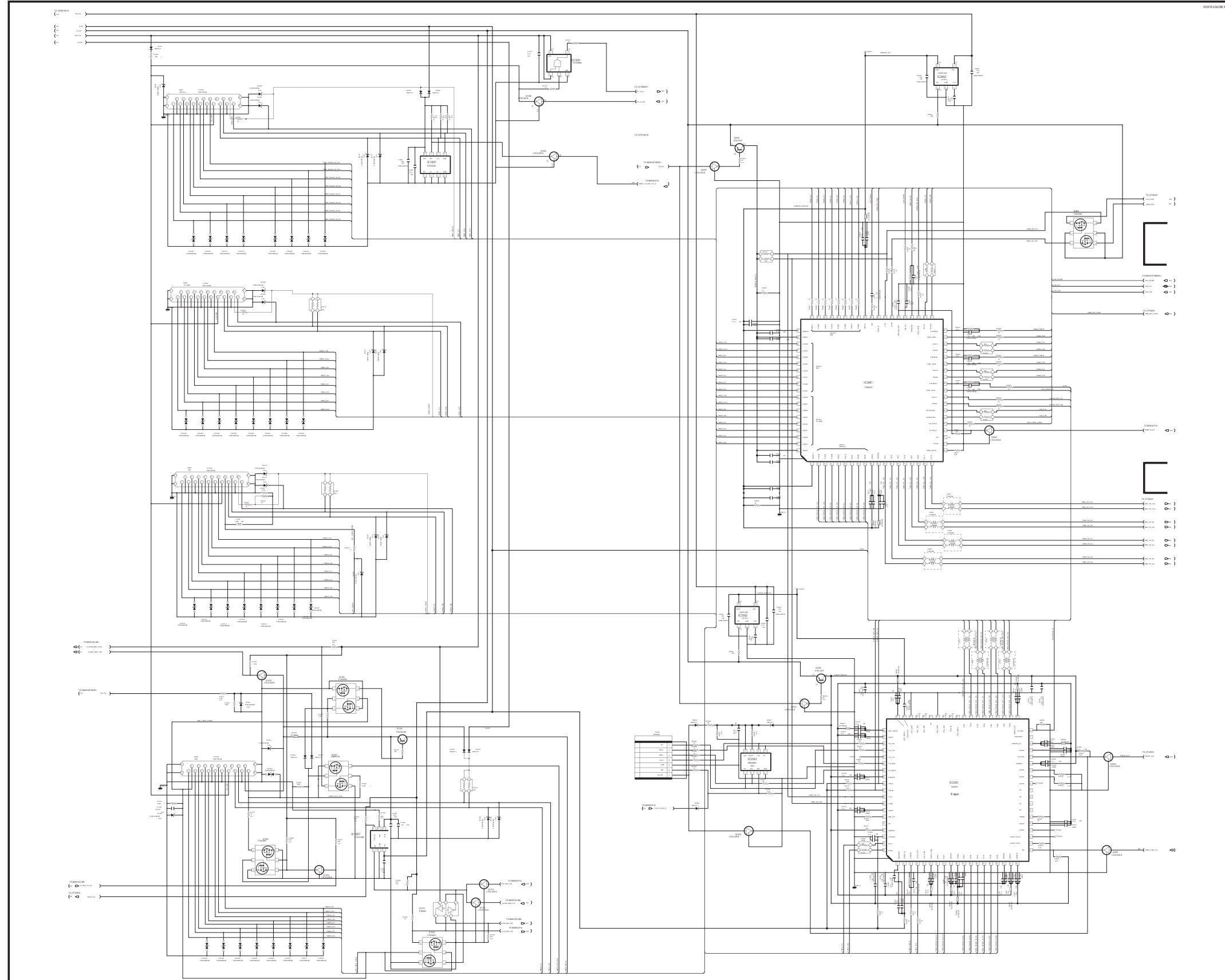
DUNTKG382FM01



MAIN Unit-3(DUNTKG382FM01)

MAIN2(HDMI)

DUNTKG382FM01

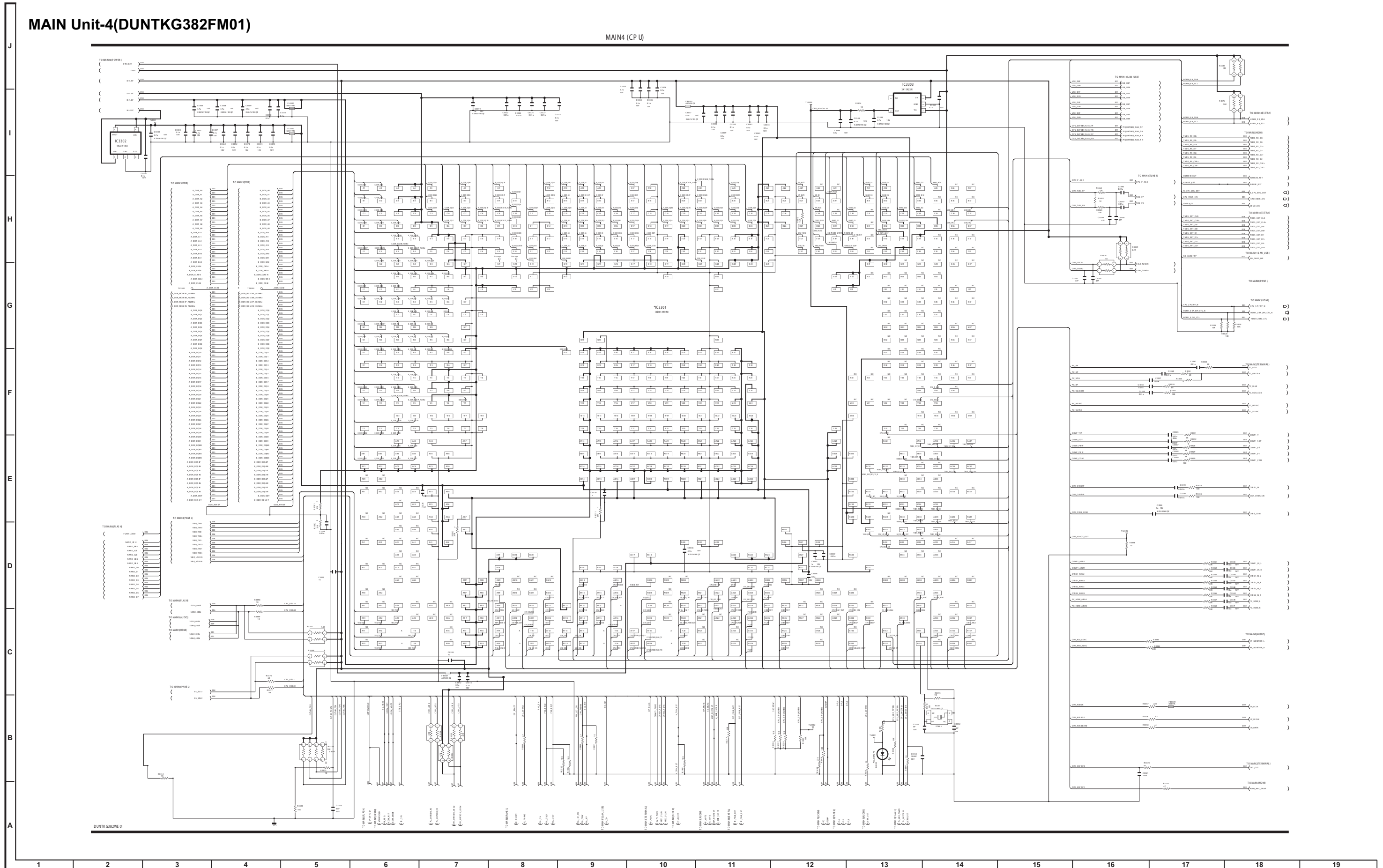


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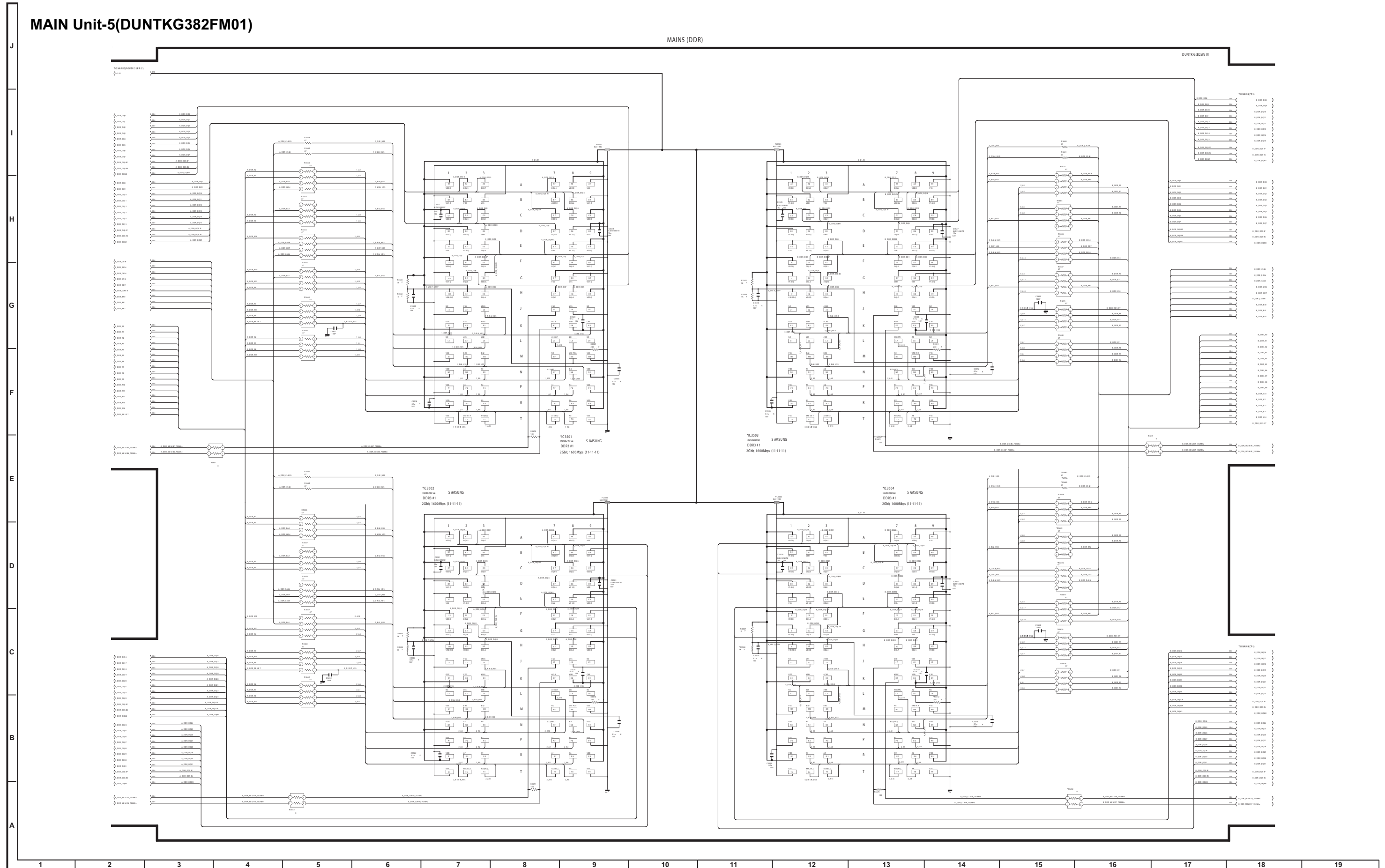
MAIN Unit-4(DUNTKG382FM01)

MAIN4 (CP U)



MAIN Unit-5(DUNTKG382FM01)

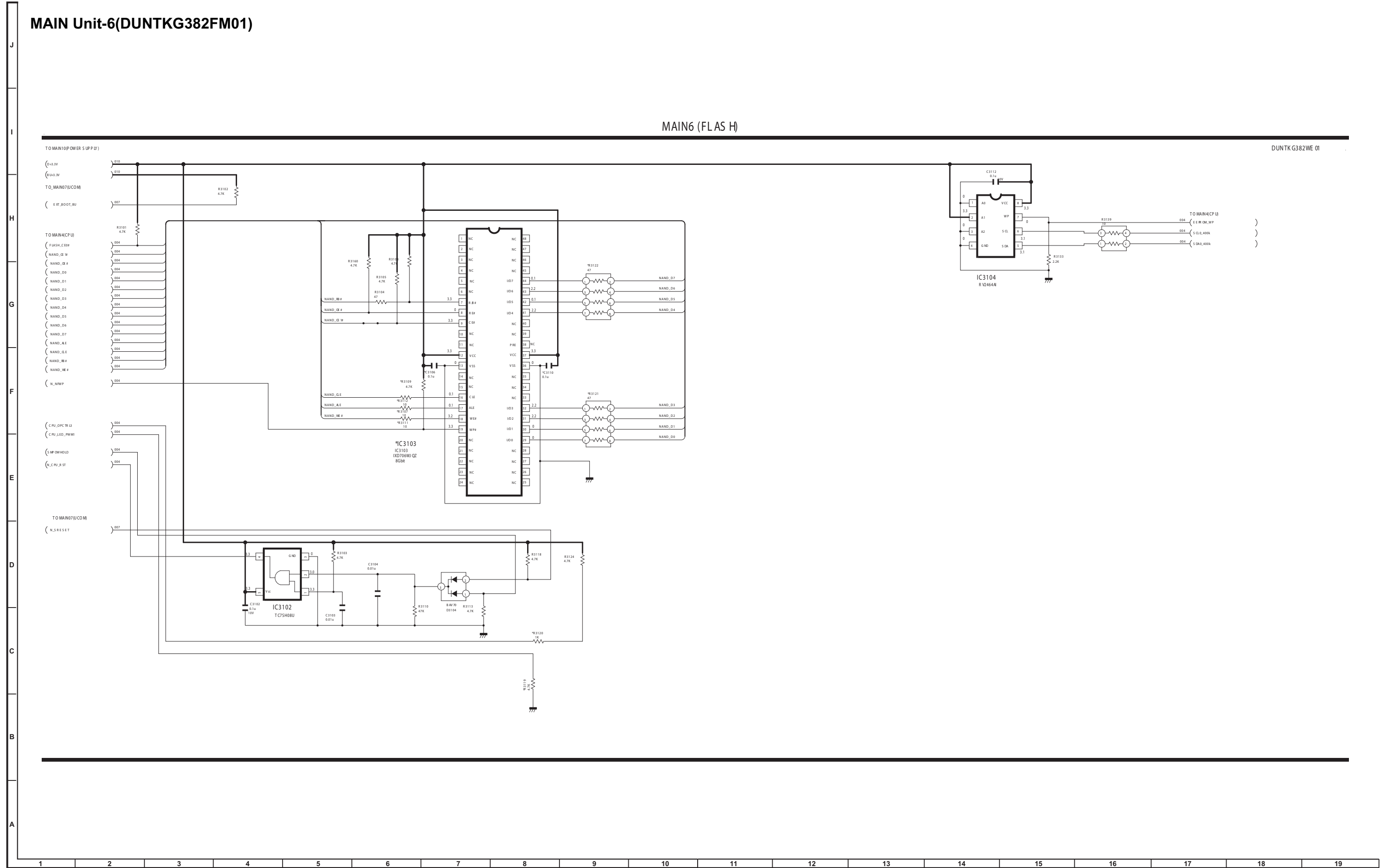
MAIN5 (DDR)



MAIN Unit-6(DUNTKG382FM01)

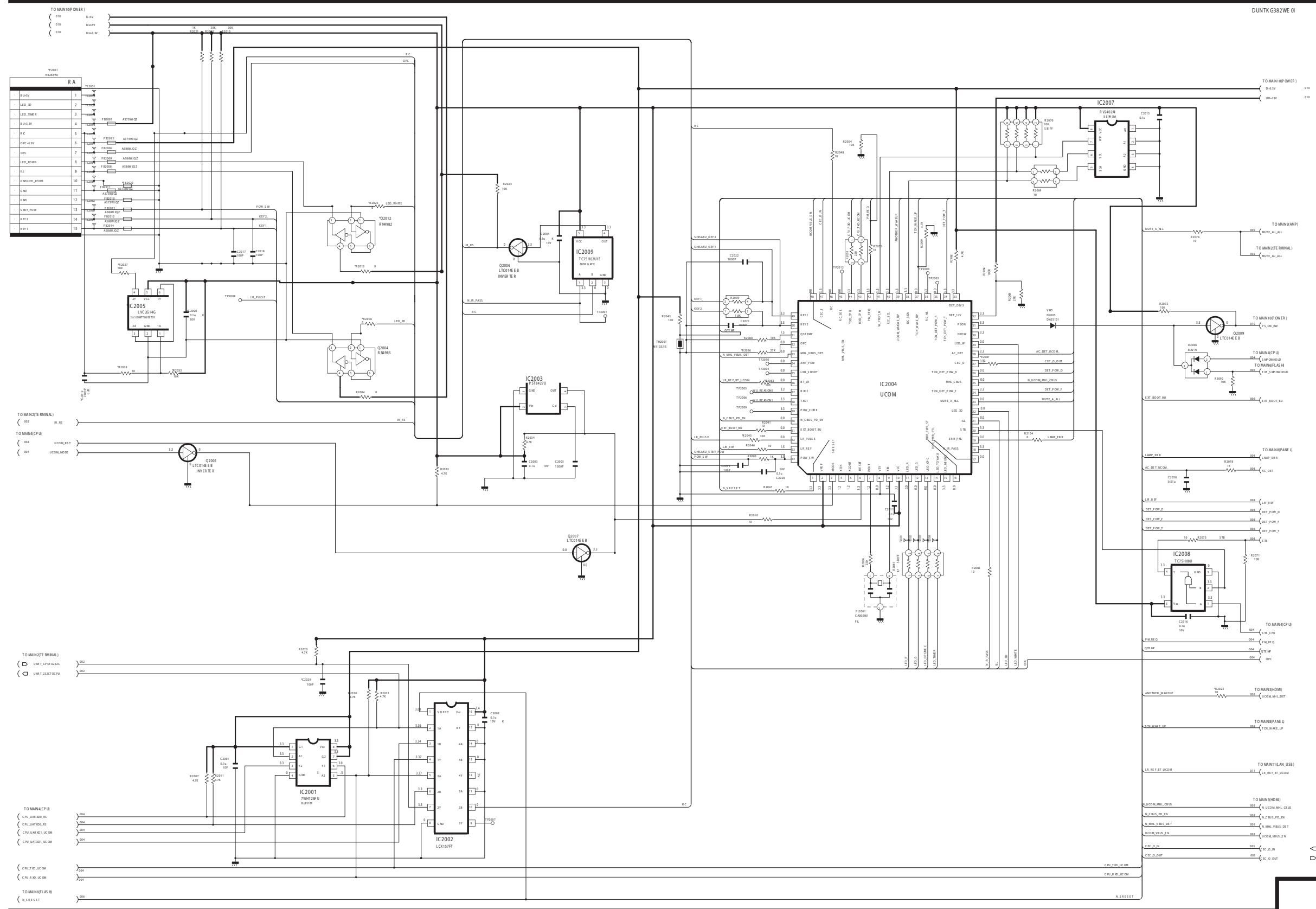
MAIN6 (FLASH)

DUNTKG382WE 01



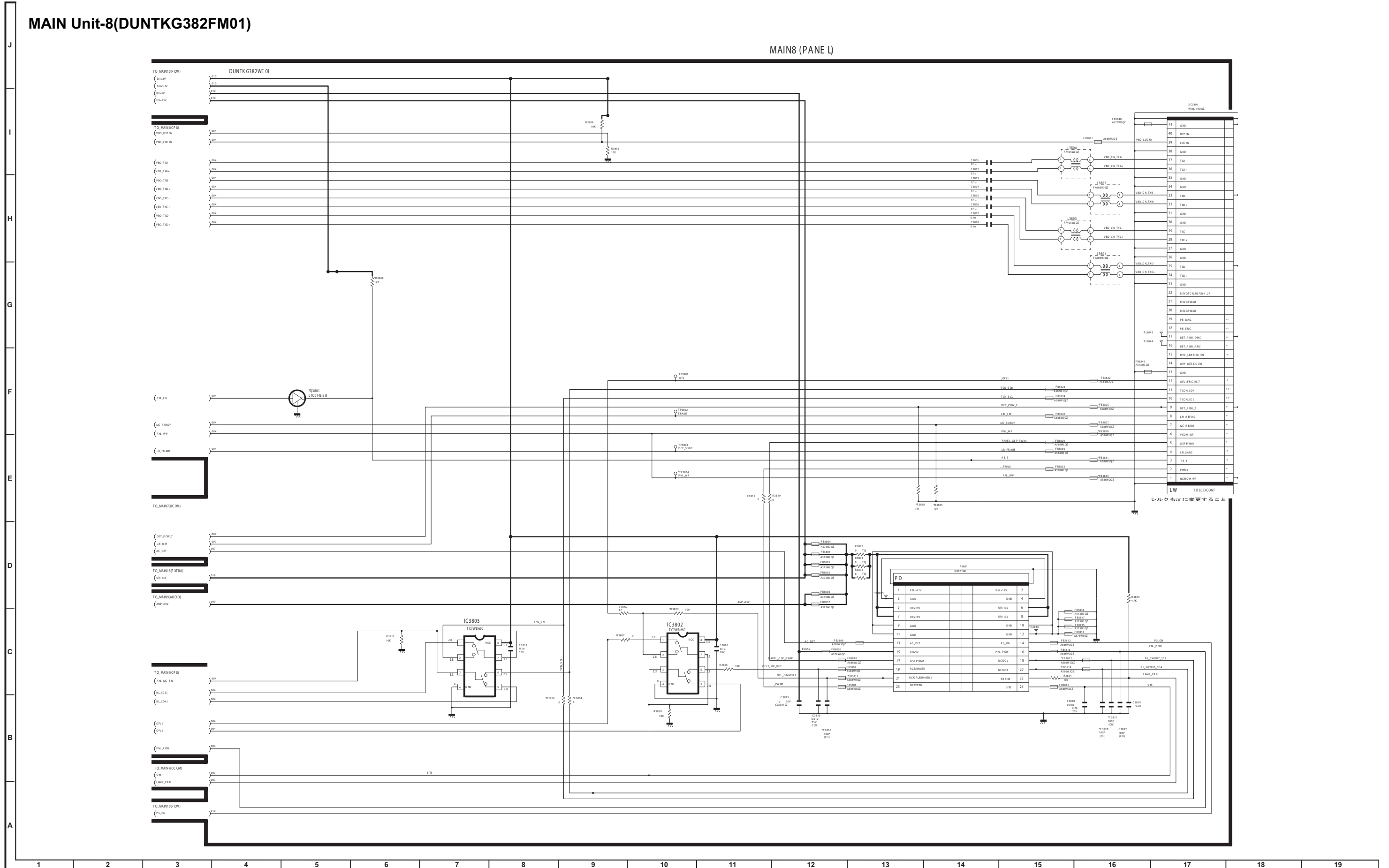
MAIN Unit-7(DUNTKG382FM01)

MAIN7 (UC OM)



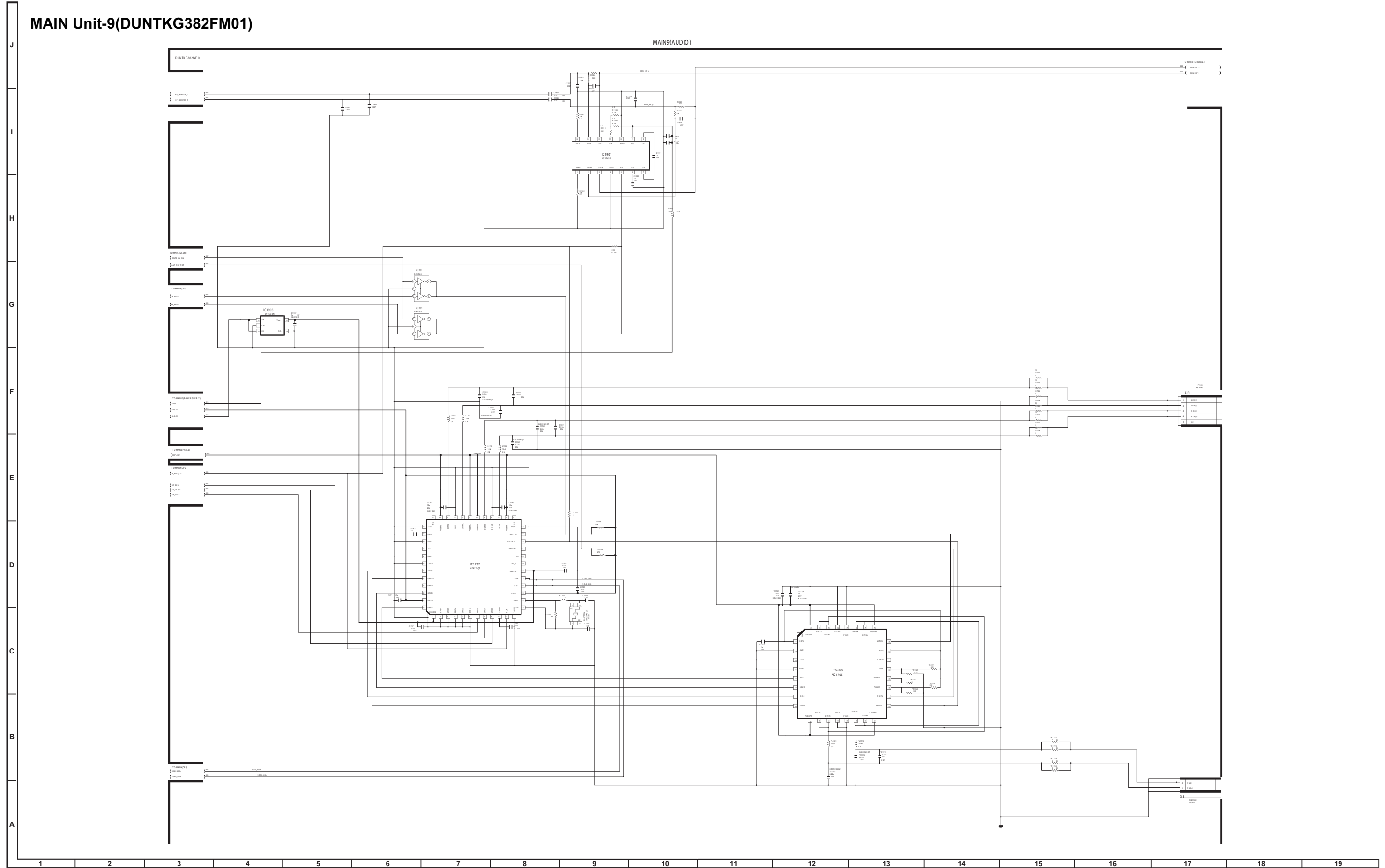
MAIN Unit-8(DUNTKG382FM01)

MAIN8 (PANE L)



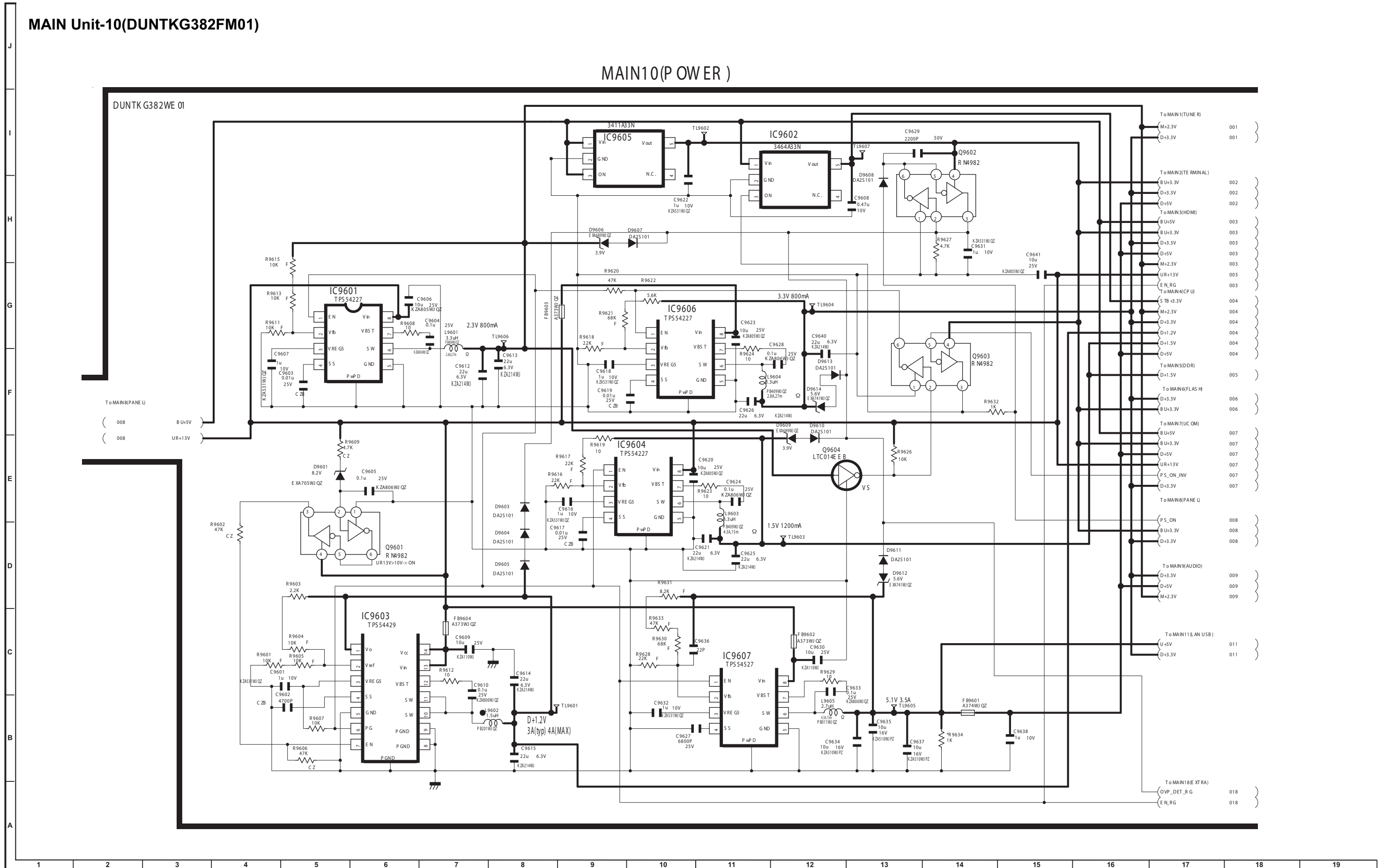
MAIN Unit-9(DUNTKG382FM01)

MAIN9(AUDIO)



MAIN Unit-10(DUNTKG382FM01)

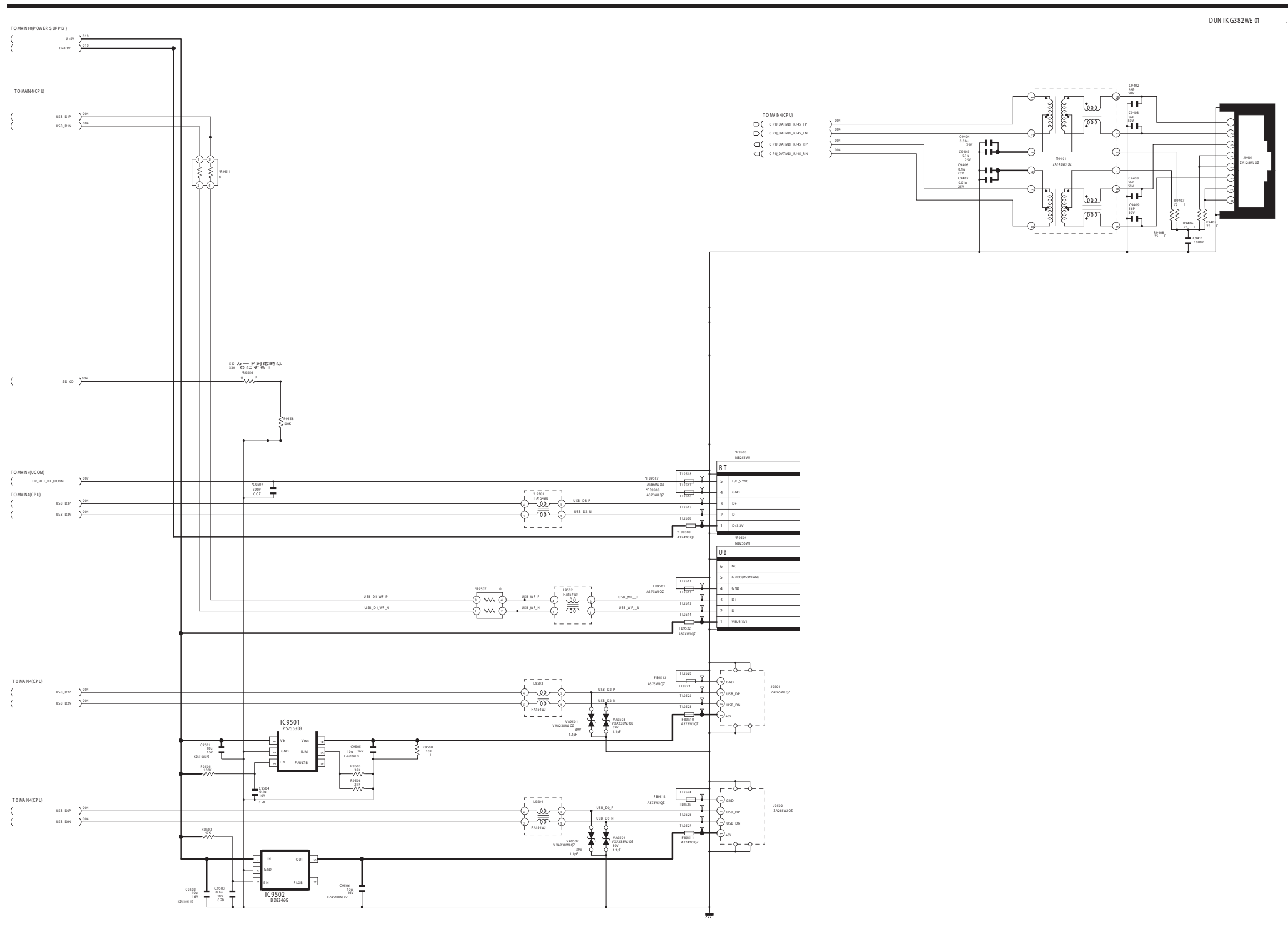
MAIN10(P O W E R )



MAIN Unit-11(DUNTKG382FM01)

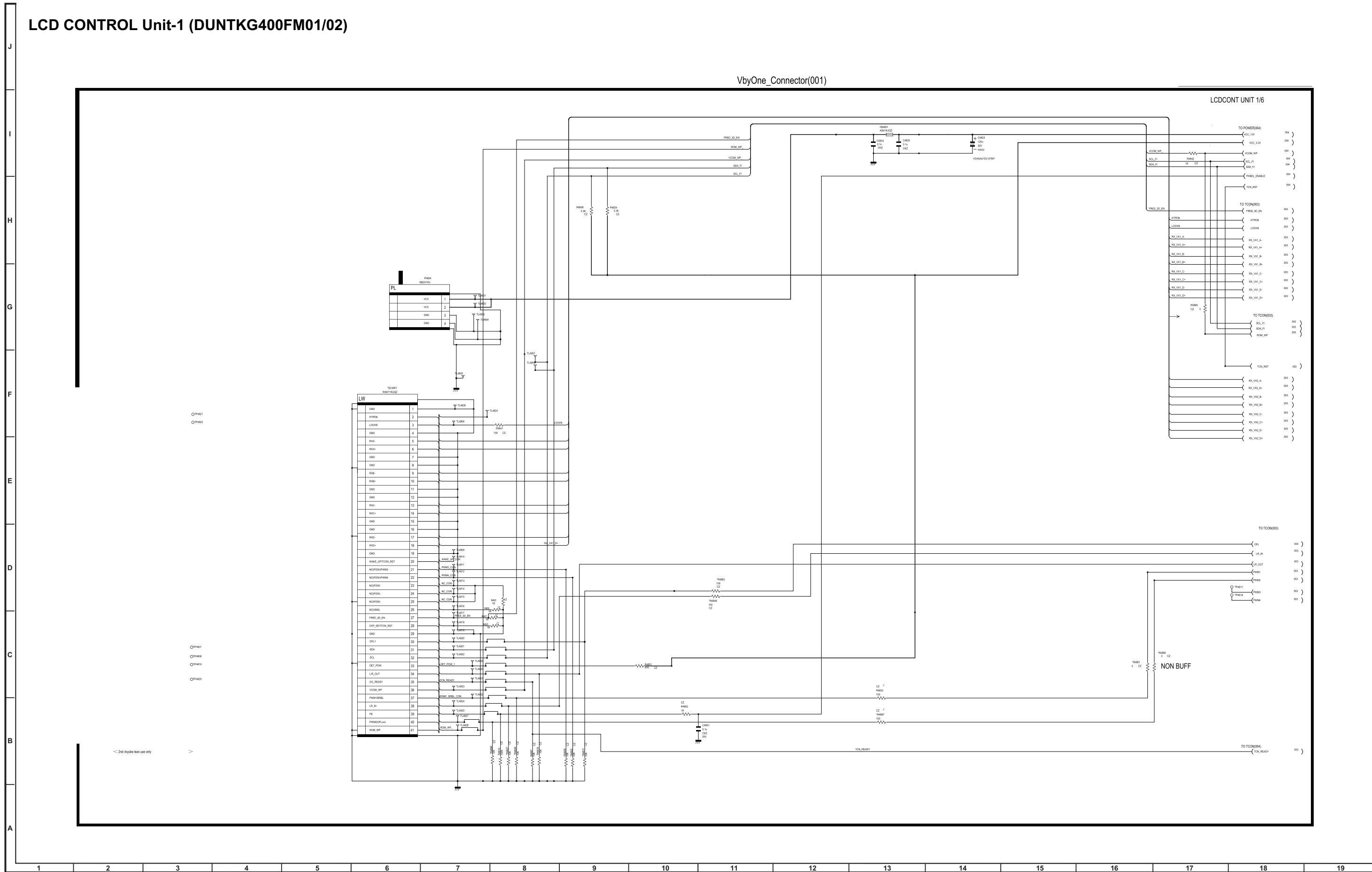
MAIN11(LAN\_USB)

DUNTKG382WE 01

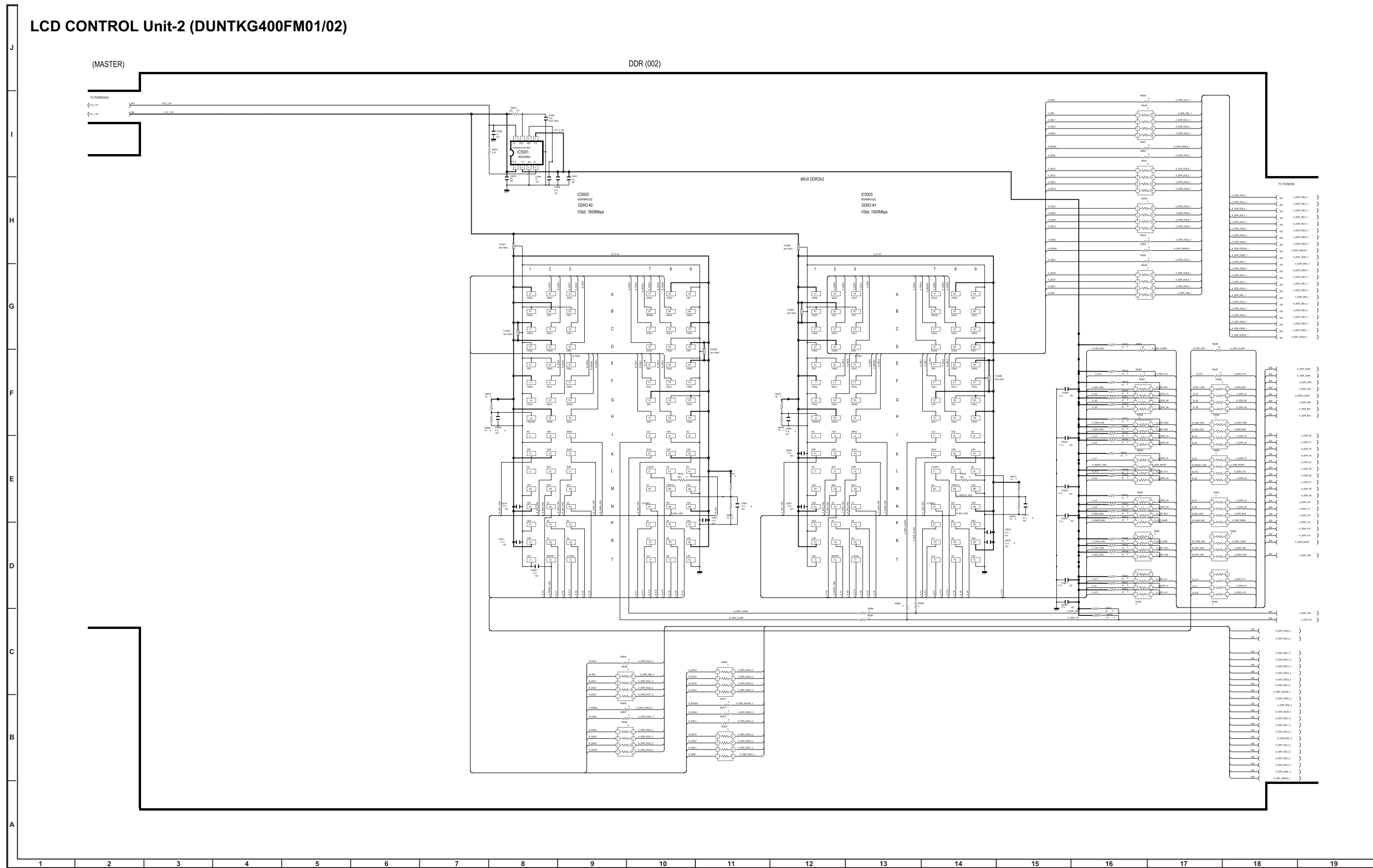


- LCD CONTROL Unit (DUNTKG400FM01/02)

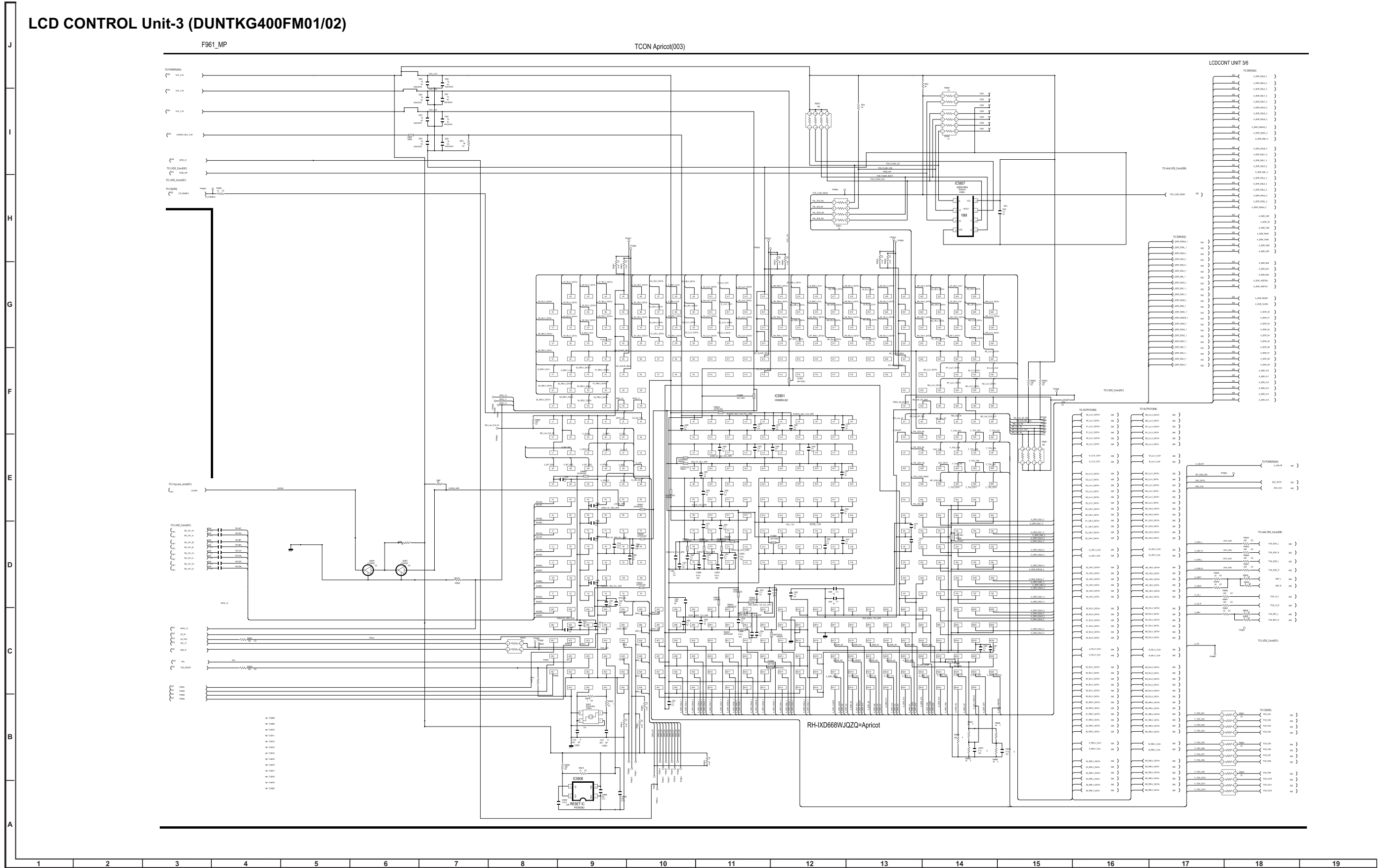
### LCD CONTROL Unit-1 (DUNTKG400FM01/02)



# LCD CONTROL Unit-2 (DUNTKG400FM01/02)



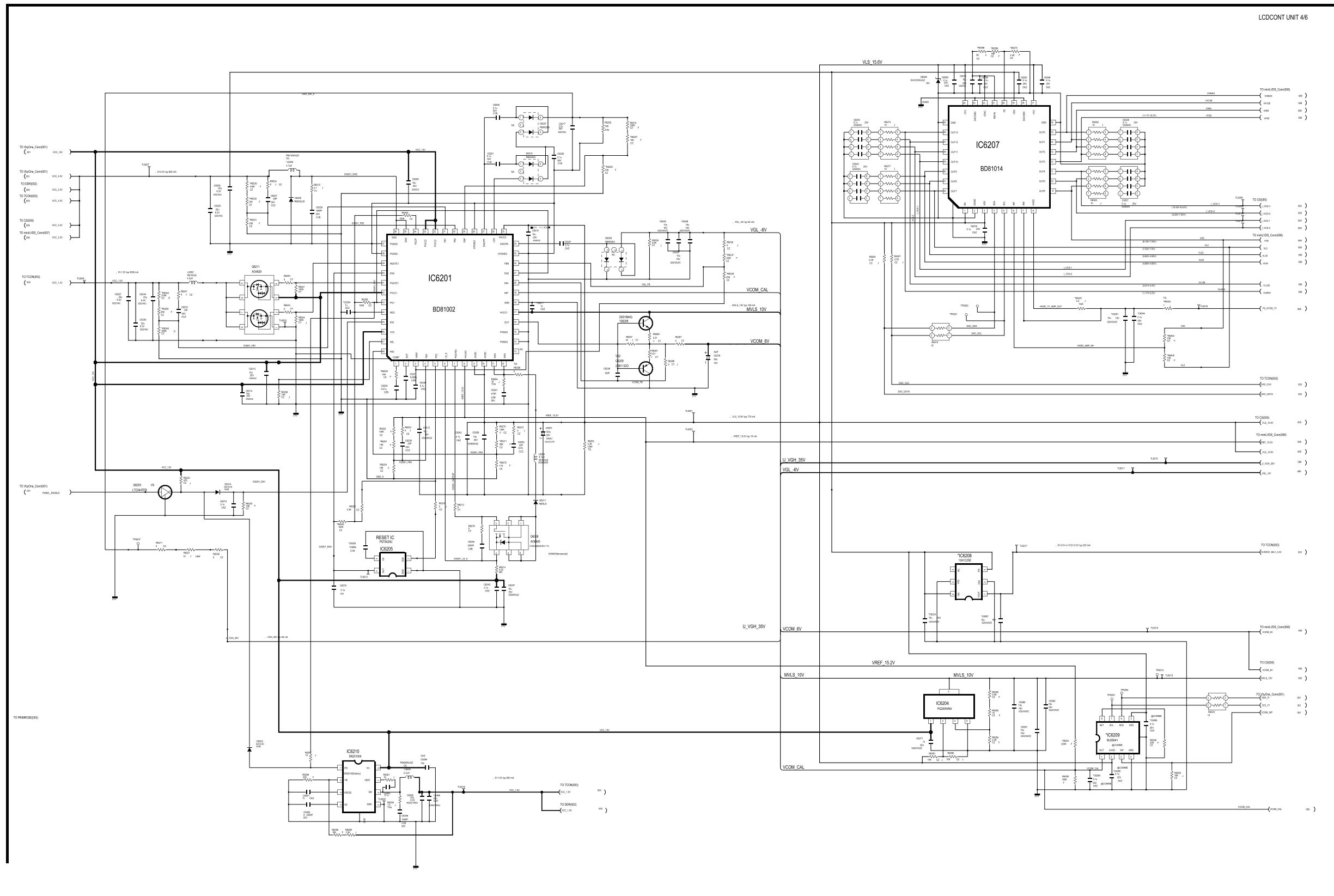
### LCD CONTROL Unit-3 (DUNTKG400FM01/02)



LCD CONTROL Unit-4 (DUNTKG400FM01/02)

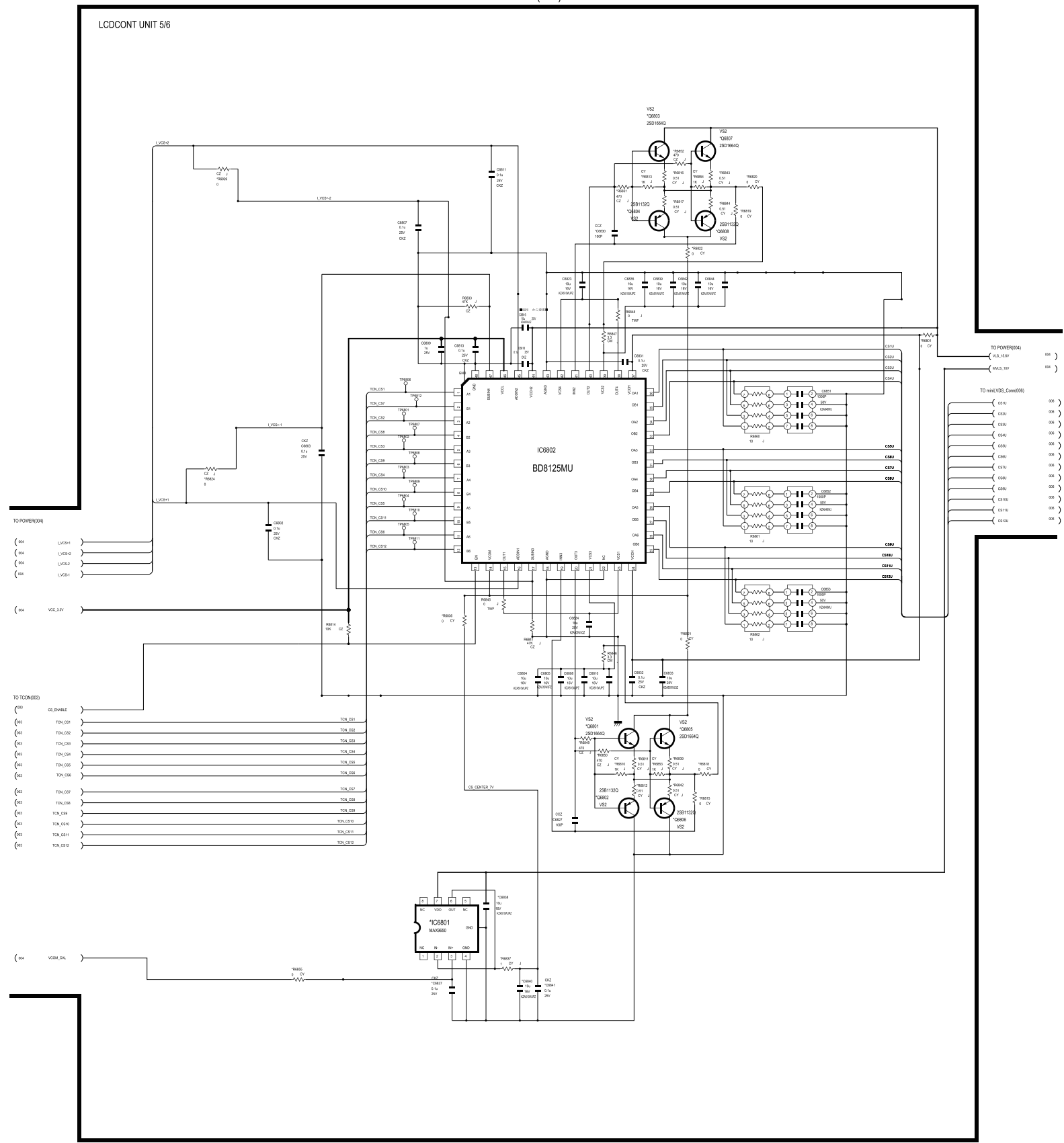
POWER (004)

LCDCONT UNIT 4/6



LCD CONTROL Unit-5 (DUNTKG400FM01/02)

CS(005)



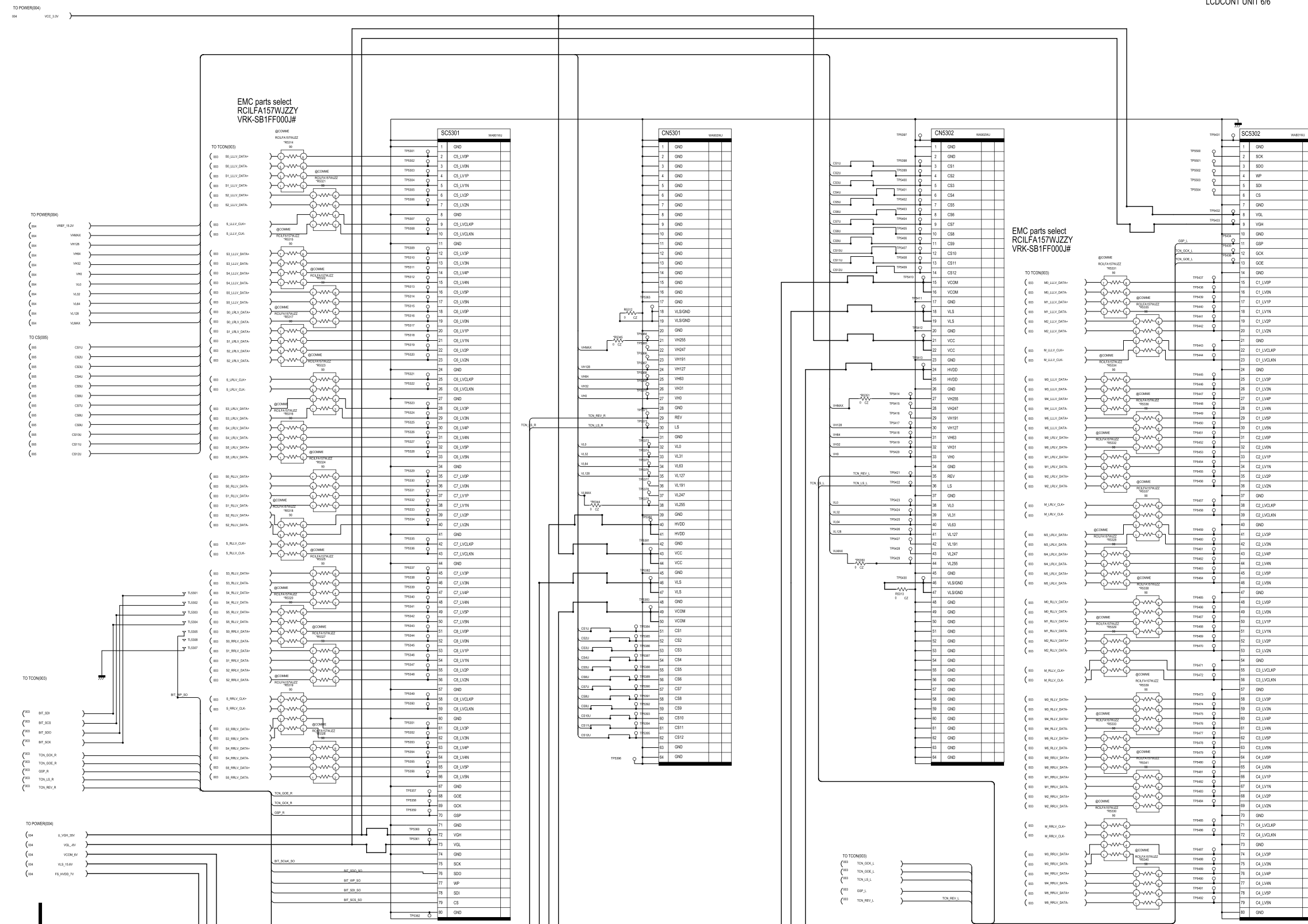
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LCD CONTROL Unit-6 (DUNTKG400FM01/02)

miniLVDS\_Conn(006)

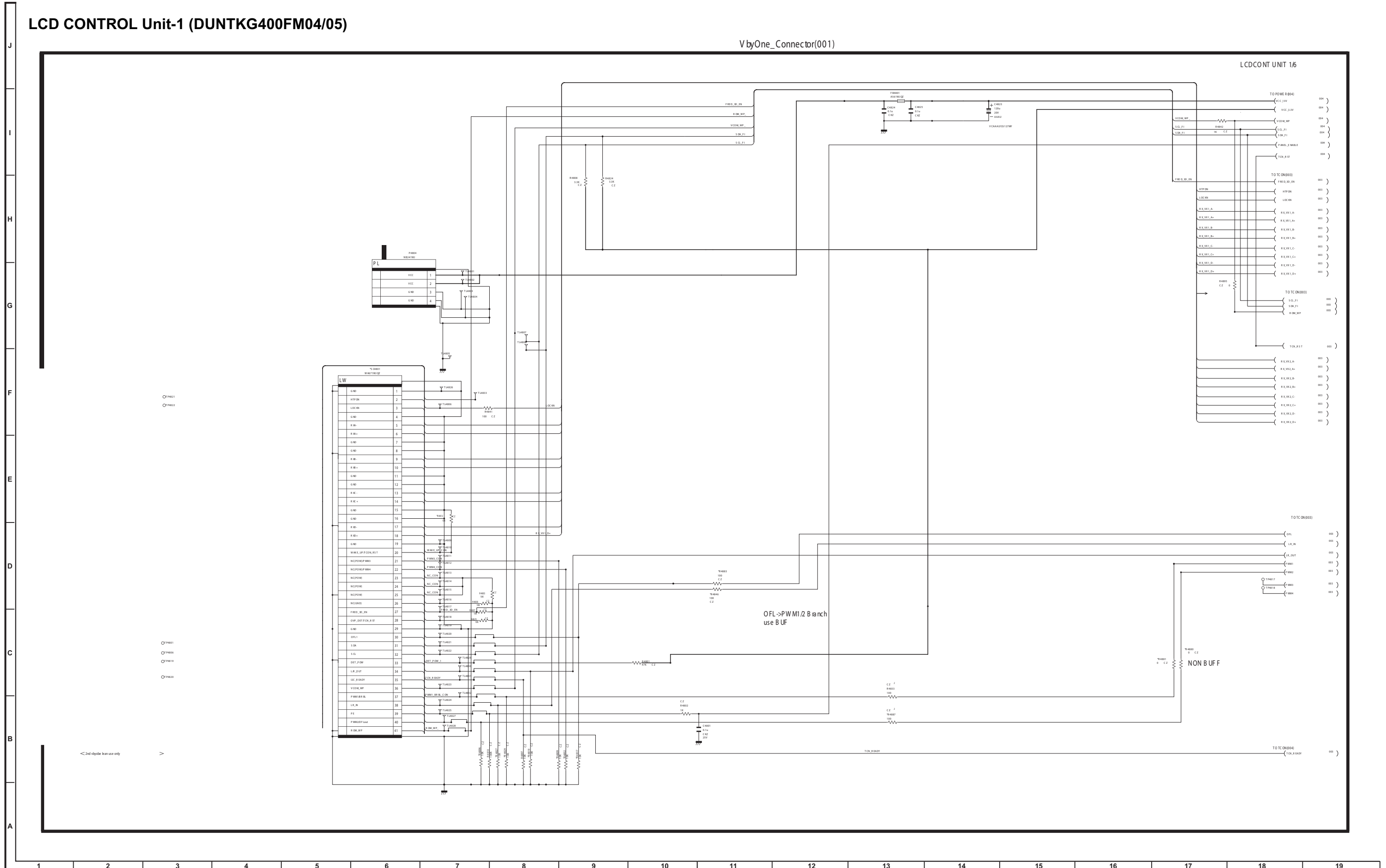
LCDCONT UNIT 6/6



LCD CONTROL Unit-1 (DUNTKG400FM04/05)

VbyOne\_Connector(001)

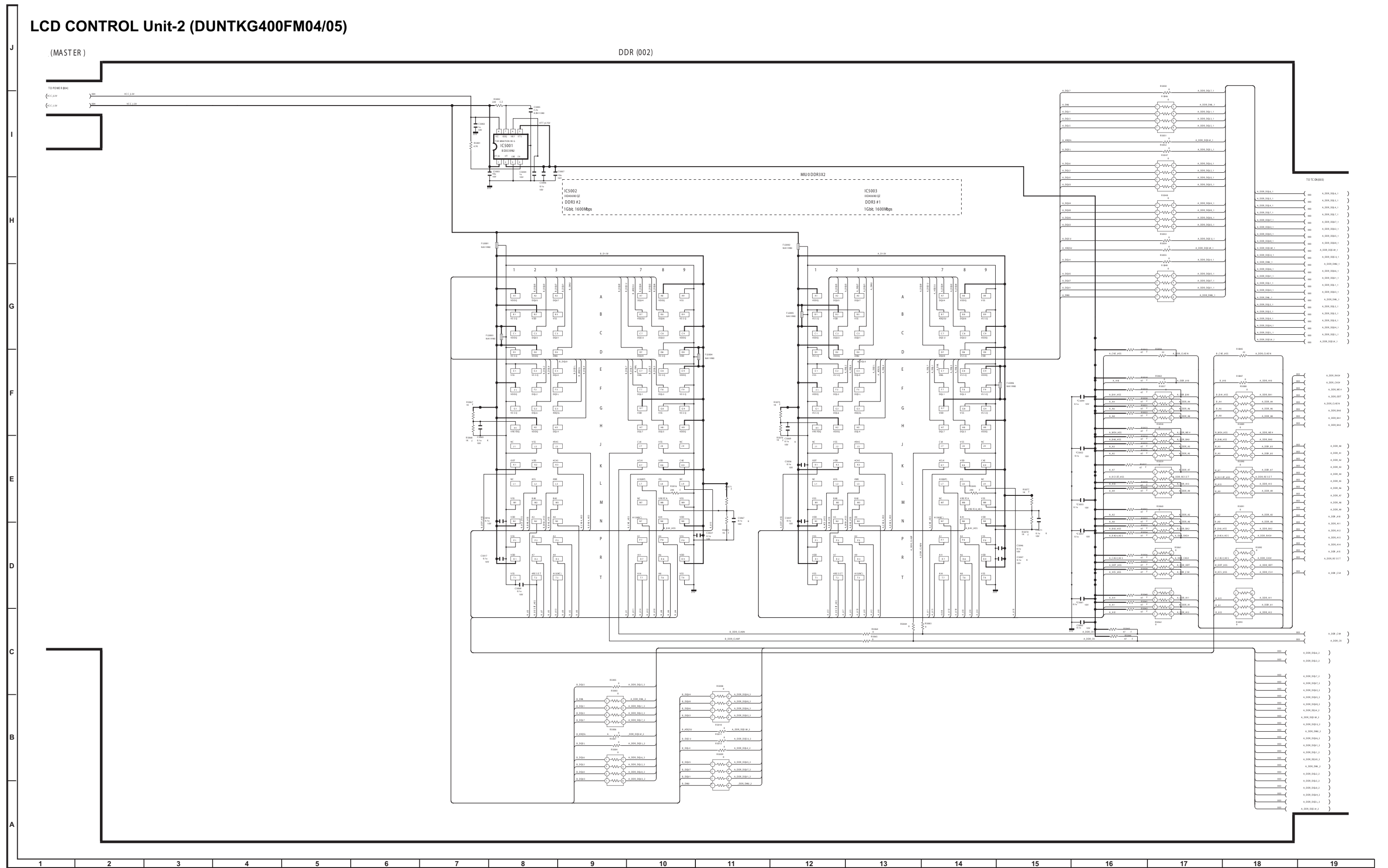
LCDCONT UNIT 1/6



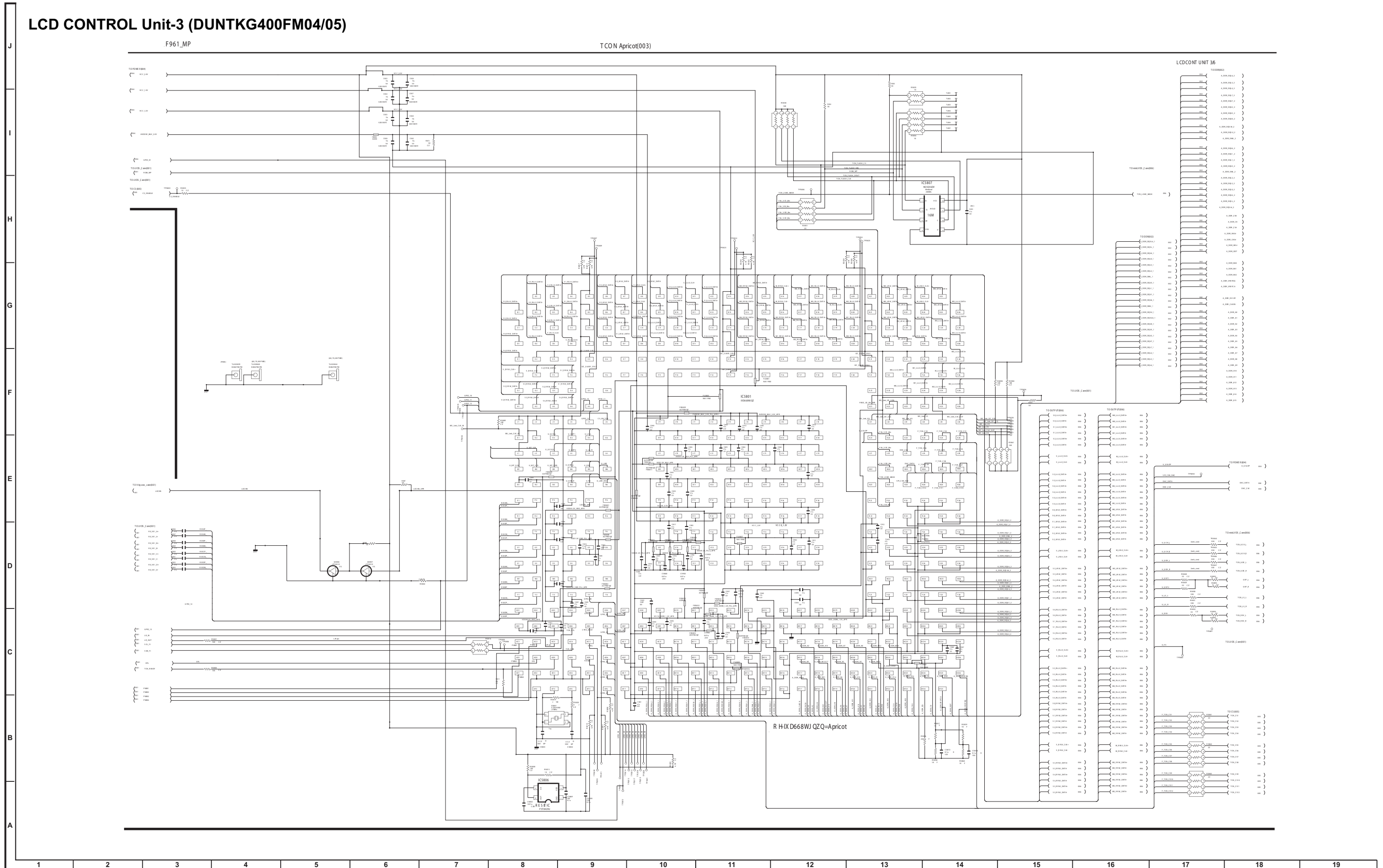
# LCD CONTROL Unit-2 (DUNTKG400FM04/05)

(MASTER)

DDR (002)



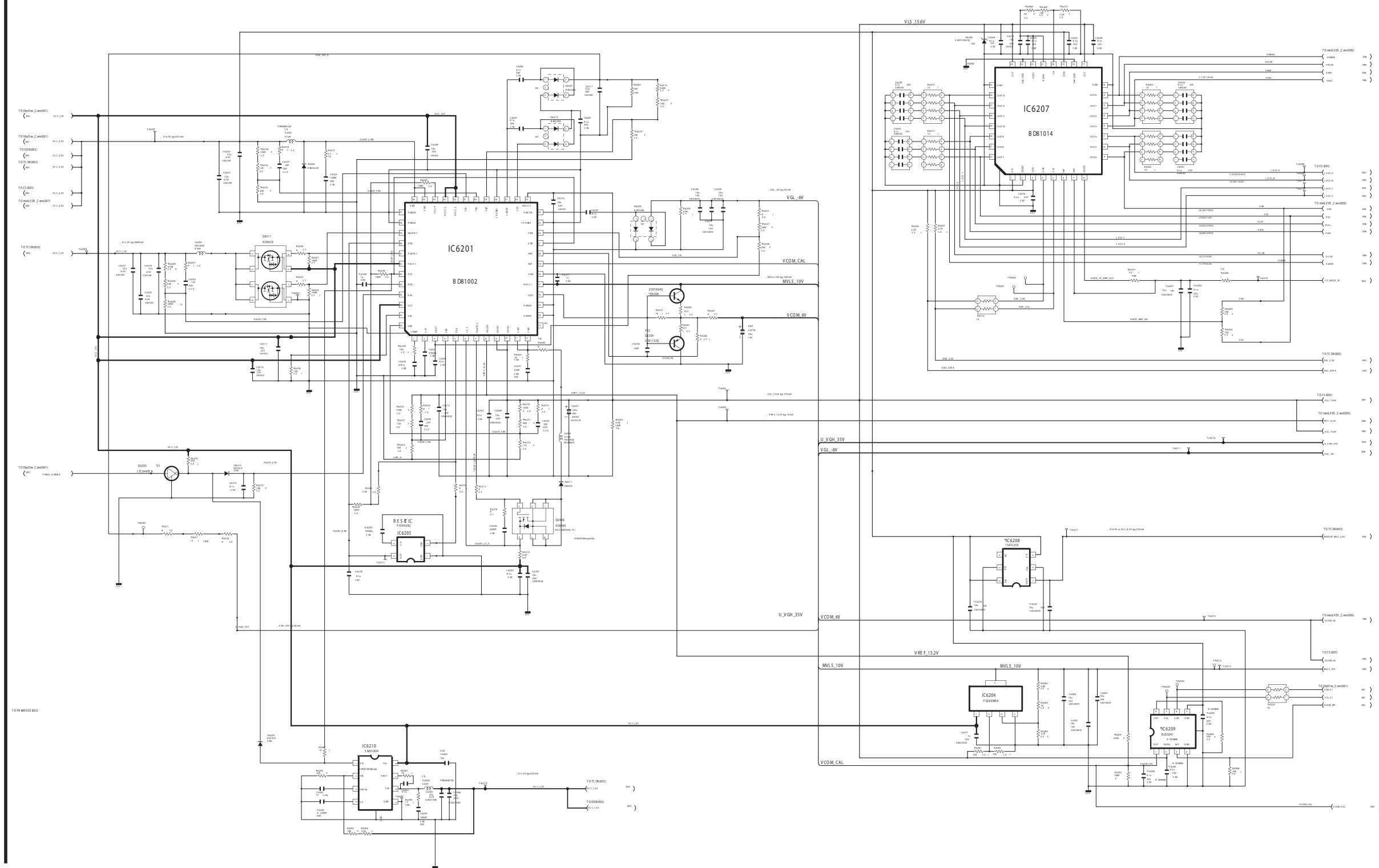
### LCD CONTROL Unit-3 (DUNTKG400FM04/05)



LCD CONTROL Unit-4 (DUNTKG400FM04/05)

POWER (004)

LCDCONT UNIT 46

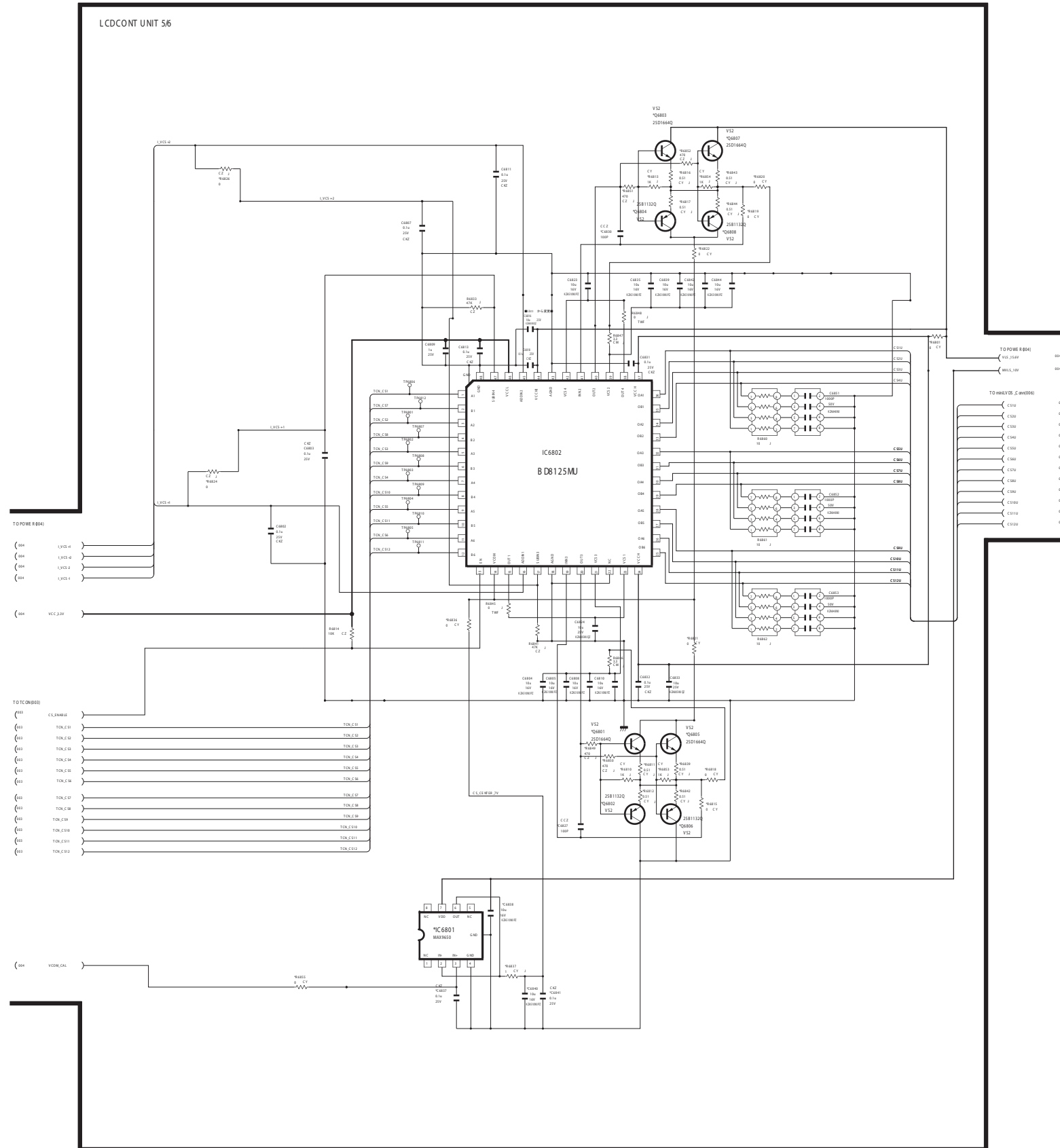


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LCD CONTROL Unit-5 (DUNTKG400FM04/05)

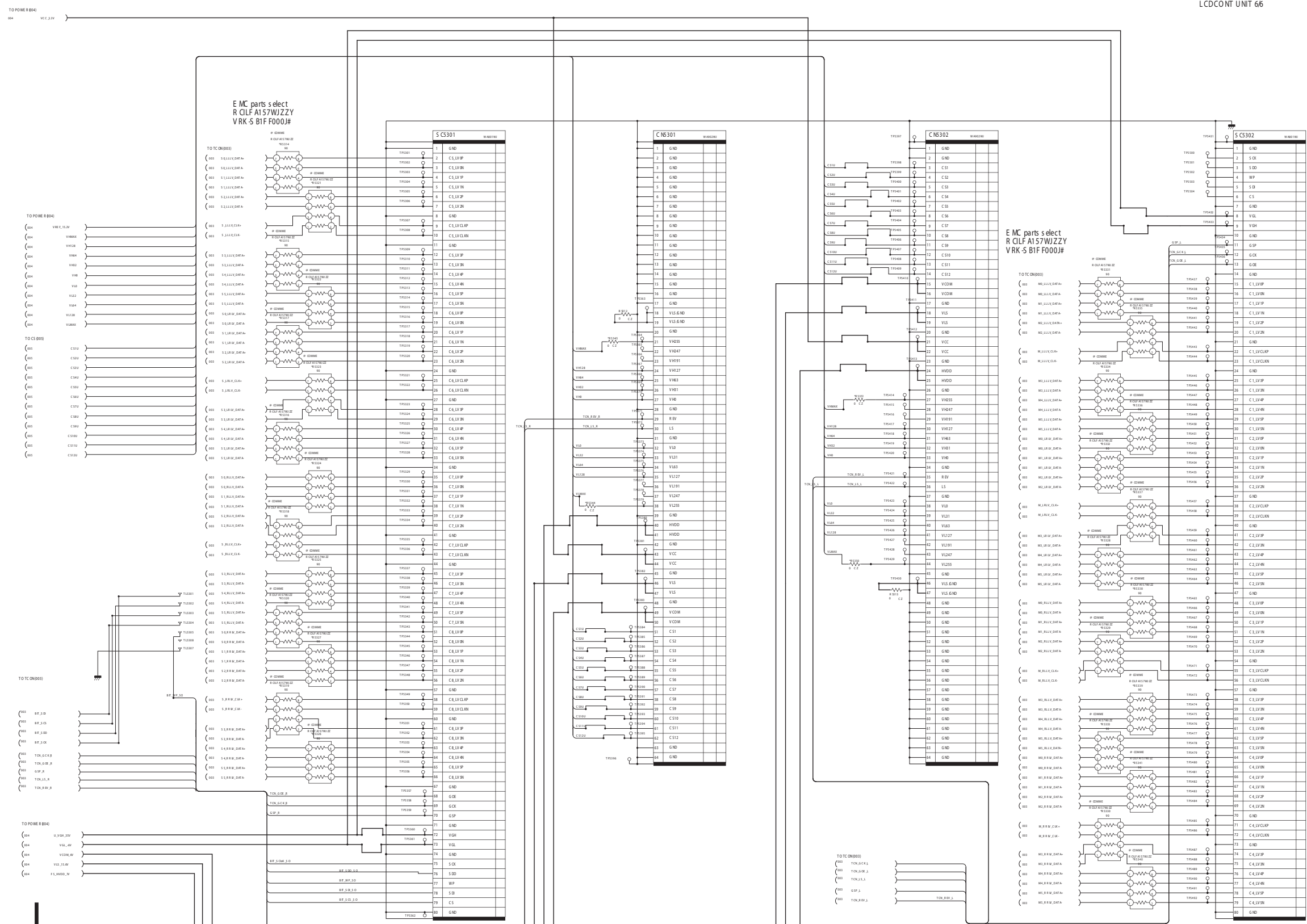
C S(005)



LCD CONTROL Unit-6 (DUNTKG400FM04/05)

miniLVDS\_Conn(006)

LCDCONT UNIT 66





# SHARP PARTS GUIDE

No. S14A1LC60EQ1P

## LCD COLOR TELEVISION

### LC-60/70EQ10U

### LC-60/70SQ10U

### LC-60/70SQ15U

### LC-60/70SQ17U

### LC-60/70TQ15U

### MODELS LC-60/70UQ17U

**Note:**

The reference numbers on the PWB are arranged in alphabetical order.

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| [1] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70EQ10U) | [6] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70UQ17U) |
| [2] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70SQ10U) | [7] DUNTKG381FM01 (MAIN Unit)                       |
| [3] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70SQ15U) | [8] DUNTKG382FM01 (MAIN Unit)                       |
| [4] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70SQ17U) | [9] DUNTKG400FM01/02 (LCD CONTROL Unit)             |
| [5] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70TQ15U) | [10] DUNTKG400FM10/11 (LCD CONTROL Unit)            |

Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

| NO.  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                           |
|--|----------------|------------|----------|---------------|---------------------------------------|
| <b>[1] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70EQ10U)</b> |                |            |          |               |                                       |
| N  | DKEYMG381FM01  | BV         |          | X             | MAIN Unit                             |
| N  | DUNTKG400FM01  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-60EQ10U) |
| N  | DUNTKG400FM02  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-70EQ10U) |
| <b>[2] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70SQ10U)</b> |                |            |          |               |                                       |
| N  | DKEYMG382FM01  | BW         | N        | X             | MAIN Unit                             |
| N  | DUNTKG400FM01  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-60SQ10U) |
| N  | DUNTKG400FM02  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-70SQ10U) |
| <b>[3] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70SQ15U)</b> |                |            |          |               |                                       |
| N  | DKEYMG382FM01  | BW         | N        | X             | MAIN Unit                             |
| N  | DUNTKG400FM01  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-60SQ15U) |
| N  | DUNTKG400FM02  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-70SQ15U) |
| <b>[4] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70SQ17U)</b> |                |            |          |               |                                       |
| N  | DKEYMG382FM01  | BW         | N        | X             | MAIN Unit                             |
| N  | DUNTKG400FM01  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-60SQ17U) |
| N  | DUNTKG400FM02  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-70SQ17U) |
| <b>[5] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70TQ15U)</b> |                |            |          |               |                                       |
| N  | DKEYMG382FM01  | BW         | N        | X             | MAIN Unit                             |
| N  | DUNTKG400FM10  |            | N        | X             | LCD CONTROL (T-CON) Unit (LC-60TQ15U) |
| N  | DUNTKG400FM11  |            | N        | X             | LCD CONTROL (T-CON) Unit (LC-70TQ15U) |
| <b>[6] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70UQ17U)</b> |                |            |          |               |                                       |
| N  | DKEYMG382FM01  | BW         | N        | X             | MAIN Unit                             |
| N  | DUNTKG400FM10  |            | N        | X             | LCD CONTROL (T-CON) Unit (LC-60UQ17U) |
| N  | DUNTKG400FM11  |            | N        | X             | LCD CONTROL (T-CON) Unit (LC-70UQ17U) |
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b>                       |                |            |          |               |                                       |
| C503   | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic                      |
| C504   | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic                     |
| C505   | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic                     |
| C506   | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic                     |
| C507   | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic                     |
| C508   | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic                     |
| C509   | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic                     |
| C510   | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic                     |
| C511   | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic                      |
| C512   | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic                     |
| C513   | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic                      |
| C514   | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic                      |
| C544   | VCCCCZ1HH471JY | AA         |          | J             | 470p 50V Ceramic                      |
| C545   | VCCCCZ1HH471JY | AA         |          | J             | 470p 50V Ceramic                      |
| C548   | VCCCCZ1HH100DY | AB         |          | J             | 10p 50V Ceramic                       |
| C549   | VCCCCZ1HH100DY | AB         |          | J             | 10p 50V Ceramic                       |
| C550   | VCCCCZ1HH100DY | AB         |          | J             | 10p 50V Ceramic                       |
| C555   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic                       |
| C556   | VCCCCZ1HH100DY | AB         |          | J             | 10p 50V Ceramic                       |
| C558   | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic                      |
| C559   | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic                      |
| C577   | RC-KZA761WJQZY | AB         |          | J             | Capacitor                             |
| C578   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic                       |
| C625   | VCKYJ1CB104MY  | AC         |          | J             | 0.1 16V Ceramic                       |
| C1106  | VCCCCZ1HH100DY | AB         |          | J             | 10p 50V Ceramic                       |
| C1108  | VCCCCZ1HH100DY | AB         |          | J             | 10p 50V Ceramic                       |
| C1109  | VCKYCZ1AB473KY | AB         |          | J             | 0.047 10V Ceramic                     |
| C1110  | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic                      |
| C1123  | VCKYCZ1AB473KY | AB         |          | J             | 0.047 10V Ceramic                     |
| C1124  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic                       |
| C1127  | RC-KZA510WJPZY | AB         |          | J             | Capacitor                             |
| C1129  | RC-KZA510WJPZY | AB         |          | J             | Capacitor                             |
| C1133  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic                       |
| C1185  | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic                      |
| C1196  | RC-KZA761WJQZY | AB         |          | J             | Capacitor                             |
| C1506  | VCKYCZ1AB473KY | AB         |          | J             | 0.047 10V Ceramic                     |
| C1507  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic                       |
| C1508  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic                       |
| C1509  | RC-KZA510WJPZY | AB         |          | J             | Capacitor                             |
| C1515  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic                       |
| C1703  | VCCCCZ1HH120JY | AB         |          | J             | 12p 50V Ceramic                       |
| C1704  | VCCCCZ1HH120JY | AB         |          | J             | 12p 50V Ceramic                       |
| C1706  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic                       |
| C1707  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic                       |
| C1708  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic                       |
| C1709  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic                       |
| C1710  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic                       |
| C1761  | RC-KZA110WJZZY | AD         |          | J             | Capacitor                             |
| C1762  | RC-KZA531WJQZY | AA         |          | J             | Capacitor                             |
| C1763  | RC-KZA110WJZZY | AD         |          | J             | Capacitor                             |
| C1765  | RC-KZA709WJQZY | AA         |          | J             | Capacitor                             |
| C1767  | RC-KZA709WJQZY | AA         |          | J             | Capacitor                             |
| C1768  | RC-KZA709WJQZY | AA         |          | J             | Capacitor                             |
| C1769  | RC-KZA709WJQZY | AA         |          | J             | Capacitor                             |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION       |
|--------------------------------------|----------------|------------|----------|---------------|-------------------|
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b> |                |            |          |               |                   |
| C1771                                | RC-KZB032WJZZY | AA         |          | J             | Capacitor         |
| C1773                                | RC-KZB032WJZZY | AA         |          | J             | Capacitor         |
| C1901                                | VCCCCZ1HH221JY | AB         |          | J             | 220p 50V Ceramic  |
| C1902                                | VCCCCZ1HH221JY | AB         |          | J             | 220p 50V Ceramic  |
| C1904                                | RC-KZA691WJZZY | AB         |          | J             | Capacitor         |
| C1905                                | RC-KZA691WJZZY | AB         |          | J             | Capacitor         |
| C1907                                | VCCCCZ1HH391JY | AA         |          | J             | 390p 50V Ceramic  |
| C1908                                | VCCCCZ1HH470JY | AB         |          | J             | 47p 50V Ceramic   |
| C1909                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C1910                                | VCCCCZ1HH391JY | AA         |          | J             | 390p 50V Ceramic  |
| C1911                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C1912                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C1913                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C1914                                | VCCCCZ1HH470JY | AB         |          | J             | 47p 50V Ceramic   |
| C1957                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2001                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2002                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2003                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2004                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2005                                | VCKYCZ1HB152KY | AB         |          | J             | 1500p 50V Ceramic |
| C2008                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2011                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2012                                | VCKYCZ1HB222KY | AB         |          | J             | 2200p 50V Ceramic |
| C2015                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2016                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2017                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C2018                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C2019                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C2020                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2021                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2022                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2029                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C2038                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C2601                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2602                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2604                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2605                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2607                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2608                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2610                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2613                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2614                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2615                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2617                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2618                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2619                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2620                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C2622                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2623                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2624                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2636                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2638                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2639                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2644                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2650                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2651                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2653                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C3102                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3103                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3104                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3106                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3110                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3112                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3301                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3302                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C3303                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3304                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C3305                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3306                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3307                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3308                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C3309                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C3310                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3311                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3312                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3313                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3314                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3315                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3319                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C3321                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C3322                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3323                                | VCKYCY1AB105KY | AB         |          | J             | 1 10V Ceramic     |
| C3324                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3325                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3326                                | VCKYCY1AB105KY | AB         |          | J             | 1 10V Ceramic     |

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|--------------------------------------|-----------------|------------|----------|---------------|-------------------|
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b> |                 |            |          |               |                   |
| C3327                                | VCKYCY1EB103KY  | AA         |          | J             | 0.01 25V Ceramic  |
| C3328                                | VCKYCY1AB105KY  | AB         |          | J             | 1 10V Ceramic     |
| C3329                                | VCKYCY1AB105KY  | AB         |          | J             | 1 10V Ceramic     |
| C3333                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3334                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3335                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3336                                | RC-KZA761WJQZY  | AB         |          | J             | Capacitor         |
| C3337                                | RC-KZA761WJQZY  | AB         |          | J             | Capacitor         |
| C3338                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3339                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3340                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3342                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3343                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3344                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3345                                | RC-KZA531WJQZY  | AA         |          | J             | Capacitor         |
| C3346                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3347                                | VCKYCY1EB103KY  | AA         |          | J             | 0.01 25V Ceramic  |
| C3348                                | RC-KZA761WJQZY  | AB         |          | J             | Capacitor         |
| C3349                                | RC-KZA761WJQZY  | AB         |          | J             | Capacitor         |
| C3350                                | VCCCCZ1HH9R0DY  | AA         |          | J             | 9p 50V Ceramic    |
| C3351                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3352                                | VCCCCZ1HH8R0DY  | AA         |          | J             | 8p 50V Ceramic    |
| C3353                                | VCCCCZ1HH470JY  | AB         |          | J             | 47p 50V Ceramic   |
| C3354                                | VCKYCY1HB102KY  | AB         |          | J             | 1000p 50V Ceramic |
| C3357                                | VCKYCY1HB152KY  | AB         |          | J             | 1500p 50V Ceramic |
| C3358                                | VCKYCY1EB103KY  | AA         |          | J             | 0.01 25V Ceramic  |
| C3359                                | VCKYCY1EB103KY  | AA         |          | J             | 0.01 25V Ceramic  |
| C3360                                | VCKYCY1EB103KY  | AA         |          | J             | 0.01 25V Ceramic  |
| C3361                                | VCKYCY1EB103KY  | AA         |          | J             | 0.01 25V Ceramic  |
| C3362                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3364                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3365                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3366                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3367                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3368                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3369                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3370                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3371                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3372                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3373                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3374                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3375                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3376                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3382                                | VCCCCZ1HH470JY  | AB         |          | J             | 47p 50V Ceramic   |
| C3383                                | VCCCCZ1HH470JY  | AB         |          | J             | 47p 50V Ceramic   |
| C3384                                | RC-KZA531WJQZY  | AA         |          | J             | Capacitor         |
| C3385                                | VCKYCY1EB103KY  | AA         |          | J             | 0.01 25V Ceramic  |
| C3386                                | VCKYCY1HB152KY  | AB         |          | J             | 1500p 50V Ceramic |
| C3387                                | VCKYCY1EB103KY  | AA         |          | J             | 0.01 25V Ceramic  |
| C3388                                | VCKYCY1EB103KY  | AA         |          | J             | 0.01 25V Ceramic  |
| C3389                                | VCKYCY1EB103KY  | AA         |          | J             | 0.01 25V Ceramic  |
| C3391                                | VCKYCY1AB473KY  | AB         |          | J             | 0.047 10V Ceramic |
| C3392                                | VCKYCY1AB473KY  | AB         |          | J             | 0.047 10V Ceramic |
| C3396                                | VCKYCY1EB103KY  | AA         |          | J             | 0.01 25V Ceramic  |
| C3397                                | VCKYCY1EB103KY  | AA         |          | J             | 0.01 25V Ceramic  |
| C3399                                | VCCCCZ1HH470JY  | AB         |          | J             | 47p 50V Ceramic   |
| C3400                                | VCCCCZ1HH470JY  | AB         |          | J             | 47p 50V Ceramic   |
| C3502                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3504                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3506                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3508                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3510                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3512                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3514                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3516                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3517                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3518                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3519                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3520                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3521                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3522                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3523                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3524                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3525                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3526                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3527                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3528                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3529                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3530                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3531                                | RC-KZA510WJJPZY | AB         |          | J             | Capacitor         |
| C3532                                | VCKYCY1AB104KY  | AB         |          | J             | 0.1 10V Ceramic   |
| C3651                                | VCCCCZ1HH101JY  | AB         |          | J             | 100p 50V Ceramic  |
| C3652                                | VCCCCZ1HH101JY  | AB         |          | J             | 100p 50V Ceramic  |
| C3653                                | VCCCCZ1HH101JY  | AB         |          | J             | 100p 50V Ceramic  |
| C3654                                | VCCCCZ1HH101JY  | AB         |          | J             | 100p 50V Ceramic  |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION       |
|--------------------------------------|----------------|------------|----------|---------------|-------------------|
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b> |                |            |          |               |                   |
| C3801                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3802                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3803                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3804                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3805                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3806                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3807                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3808                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3810                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3812                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3813                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C3815                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3816                                | VCCCZ1HH101JY  | AB         |          | J             | 100p 50V Ceramic  |
| C3818                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3819                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3820                                | VCCCZ1HH101JY  | AB         |          | J             | 100p 50V Ceramic  |
| C3821                                | VCCCZ1HH101JY  | AB         |          | J             | 100p 50V Ceramic  |
| C3822                                | VCCCZ1HH101JY  | AB         |          | J             | 100p 50V Ceramic  |
| C9402                                | VCCCZ1HH560JY  | AB         |          | J             | 56p 50V Ceramic   |
| C9403                                | VCCCZ1HH560JY  | AB         |          | J             | 56p 50V Ceramic   |
| C9404                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C9405                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9406                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9407                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C9408                                | VCCCZ1HH560JY  | AB         |          | J             | 56p 50V Ceramic   |
| C9409                                | VCCCZ1HH560JY  | AB         |          | J             | 56p 50V Ceramic   |
| C9411                                | RC-KZA523WJQZY | AD         |          | J             | Capacitor         |
| C9501                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9502                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9503                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C9504                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C9505                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9506                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9507                                | VCCCZ1HH391JY  | AA         |          | J             | 390p 50V Ceramic  |
| C9601                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9602                                | VCKYCZ1HB472KY | AA         |          | J             | 4700p 50V Ceramic |
| C9603                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C9604                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9605                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9606                                | RC-KZA805WJQZY | AB         |          | J             | Capacitor         |
| C9607                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9608                                | VCKYCY1AB474KY | AC         |          | J             | 0.47 10V Ceramic  |
| C9609                                | RC-KZA110WJZZY | AD         |          | J             | Capacitor         |
| C9610                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9612                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9613                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9614                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9615                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9616                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9617                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C9618                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9619                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C9620                                | RC-KZA805WJQZY | AB         |          | J             | Capacitor         |
| C9621                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9622                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9623                                | RC-KZA805WJQZY | AB         |          | J             | Capacitor         |
| C9624                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9625                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9626                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9627                                | VCKYCZ1EB682KY | AB         |          | J             | 6800p 25V Ceramic |
| C9628                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9629                                | VCKYCZ1HB222KY | AB         |          | J             | 2200p 50V Ceramic |
| C9630                                | RC-KZA110WJZZY | AD         |          | J             | Capacitor         |
| C9631                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9632                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9633                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9634                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9635                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9636                                | VCCCZ1HH220JY  | AB         |          | J             | 22p 50V Ceramic   |
| C9637                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9638                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9640                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9641                                | RC-KZA805WJQZY | AB         |          | J             | Capacitor         |
| D507                                 | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L        |
| D508                                 | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L        |
| D509                                 | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L        |
| D510                                 | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L        |
| D512                                 | VHddb2S311+-1Y | AA         |          | J             | DB2S31100L        |
| D513                                 | VHddb2S311+-1Y | AA         |          | J             | DB2S31100L        |
| D515                                 | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L        |
| D525                                 | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L        |
| D527                                 | VHPCDL37114-1Y | AF         |          | J             | Photodiode        |
| D1501                                | RH-EXA700WJQZY | AB         |          | J             | DZ2J062M0L        |
| D1502                                | VHddb2S311+-1Y | AA         |          | J             | DB2S31100L        |
| D1503                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L        |

| NO.                                  | PARTS CODE      | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION         |
|--------------------------------------|-----------------|------------|----------|---------------|---------------------|
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b> |                 |            |          |               |                     |
| D1504                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1505                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1506                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1507                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1508                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1509                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1510                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1511                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1512                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1514                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1515                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1516                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1517                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1518                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1519                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1520                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1521                                | VHDDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D1522                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D1523                                | VHDDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D1524                                | VHDDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D1525                                | VHDDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D2005                                | VHDDA2S101/-1Y  | AA         |          | J             | DA2S10100L          |
| D2006                                | VHDBAV70+++ -1Y | AB         |          | J             | BAV70,215           |
| D3104                                | VHDBAV70+++ -1Y | AB         |          | J             | BAV70,215           |
| D3322                                | RH-PXA230WJPZY  | AC         |          | J             | SML-D12M8WT86(Z)    |
| D9601                                | RH-EXA705WJQZY  | AB         |          | J             | DZ2J08200L          |
| D9603                                | VHDDA2S101/-1Y  | AA         |          | J             | DA2S10100L          |
| D9604                                | VHDDA2S101/-1Y  | AA         |          | J             | DA2S10100L          |
| D9605                                | VHDDA2S101/-1Y  | AA         |          | J             | DA2S10100L          |
| D9606                                | RH-EXA689WJQZY  | AB         |          | J             | DZ2J03900L          |
| D9607                                | VHDDA2S101/-1Y  | AA         |          | J             | DA2S10100L          |
| D9608                                | VHDDA2S101/-1Y  | AA         |          | J             | DA2S10100L          |
| D9609                                | RH-EXA689WJQZY  | AB         |          | J             | DZ2J03900L          |
| D9610                                | VHDDA2S101/-1Y  | AA         |          | J             | DA2S10100L          |
| D9611                                | VHDDA2S101/-1Y  | AA         |          | J             | DA2S10100L          |
| D9612                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| D9613                                | VHDDA2S101/-1Y  | AA         |          | J             | DA2S10100L          |
| D9614                                | RH-EXA741WJQZY  | AB         |          | J             | DZ2J056M0L          |
| FB502                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB503                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB504                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB505                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB506                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB507                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB509                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB510                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB513                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB514                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB515                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB516                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB519                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB520                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB521                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB522                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB523                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB525                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB527                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB528                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB529                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB530                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB533                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB534                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB535                                | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide |
| FB1105                               | RBLN-0241TAZZY  | AB         |          | J             | Ferrite Bead        |
| FB1106                               | RBLN-0241TAZZY  | AB         |          | J             | Ferrite Bead        |
| FB1109                               | RBLN-A588WJQZY  | AA         |          | J             | Ferrite Bead        |
| FB1110                               | RBLN-A588WJQZY  | AA         |          | J             | Ferrite Bead        |
| FB1503                               | RBLN-A373WJQZY  | AB         |          | J             | Ferrite Bead        |
| FB2001                               | RBLN-A373WJQZY  | AB         |          | J             | Ferrite Bead        |
| FB2006                               | RBLN-A586WJQZY  | AA         |          | J             | Ferrite Bead        |
| FB2008                               | RBLN-A586WJQZY  | AA         |          | J             | Ferrite Bead        |
| FB2009                               | RBLN-A586WJQZY  | AA         |          | J             | Ferrite Bead        |
| FB2010                               | RBLN-A373WJQZY  | AB         |          | J             | Ferrite Bead        |
| FB2011                               | RBLN-A373WJQZY  | AB         |          | J             | Ferrite Bead        |
| FB2012                               | RBLN-A586WJQZY  | AA         |          | J             | Ferrite Bead        |
| FB2013                               | RBLN-A586WJQZY  | AA         |          | J             | Ferrite Bead        |
| FB2014                               | RBLN-A586WJQZY  | AA         |          | J             | Ferrite Bead        |
| FB2015                               | RBLN-A374WJQZY  | AA         |          | J             | Ferrite Bead        |
| FB2022                               | RBLN-A373WJQZY  | AB         |          | J             | Ferrite Bead        |
| FB2601                               | RBLN-A373WJQZY  | AB         |          | J             | Ferrite Bead        |
| FB2602                               | RBLN-A373WJQZY  | AB         |          | J             | Ferrite Bead        |
| FB2603                               | RBLN-A373WJQZY  | AB         |          | J             | Ferrite Bead        |
| FB3301                               | RBLN-A374WJQZY  | AA         |          | J             | Ferrite Bead        |
| FB3302                               | RBLN-A374WJQZY  | AA         |          | J             | Ferrite Bead        |
| FB3309                               | RBLN-0241TAZZY  | AB         |          | J             | Ferrite Bead        |

| NO.                                  | PARTS CODE        | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION   |
|--------------------------------------|-------------------|------------|----------|---------------|---|
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b> |                   |            |          |               |   |
| FB3801                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB3802                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB3804                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB3805                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB3806                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3807                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3808                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3809                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3810                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3811                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3812                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3813                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3815                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3816                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3817                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB3818                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB3819                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3821                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3822                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3823                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3824                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3825                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3826                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3827                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3828                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3829                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3830                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3831                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3832                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3833                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB3834                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB3835                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB3836                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB3837                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB3840                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB3841                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB9501                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB9508                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB9509                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB9510                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB9511                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB9512                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB9513                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB9517                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB9522                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB9601                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead  |
| FB9602                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB9603                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FB9604                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead  |
| FL2001                               | RF i LCA005WJZZY  | AE         |          | J             | Filter  |
| FL3301                               | RF i LNA119WJZZY  | AC         |          | J             | Filter  |
| FL3302                               | RF i LNA119WJZZY  | AC         |          | J             | Filter  |
| FL3501                               | RF i LNA119WJZZY  | AC         |          | J             | Filter  |
| FL3502                               | RF i LNA119WJZZY  | AC         |          | J             | Filter  |
| FL3503                               | RF i LNA119WJZZY  | AC         |          | J             | Filter  |
| FL3504                               | RF i LNA119WJZZY  | AC         |          | J             | Filter  |
| IC503                                | VH i T7SET08U1EY  | AC         |          | J             | TC7SET08FU,LJ(J)  |
| IC506                                | VH i M3221EIP-1Y  | AK         |          | J             | MAX3221EIPowerG4  |
| IC1109                               | VH i 3479A18P-1Y  | AD         |          | J             | MM3479A18PRE  |
| IC1501                               | VH i TC7SH08U-1Y  | AF         |          | J             | TC7SH08FU(TE85L,JF)   |
| IC1507                               | VH i PS2553DB-1Y  | AE         |          | J             | TPS2553DBVR   |
| IC1702                               | VH i YDA174QZ-1Y  | AM         |          | J             | YDA174-QZE2   |
| IC1901                               | VH i NCS2632+-1Y  | AE         |          | J             | NCS2632DTBR2G   |
| IC1903                               | VH i 3411A18N-1Y  | AC         |          | J             | MM3411A18NRE  |
| IC2001                               | VH i 7WH126FU-1Y  | AE         |          | J             | TC7WH126FU(TE12L,F)   |
| IC2002                               | VH i LCX157FT-1Y  | AD         |          | J             | TC74LCX157FT(ELK,M)   |
| IC2003                               | VH i PST8427U-1Y  | AB         |          | J             | IC-PST8427UR  |
| IC2004                               | RH- i XD515WJNSQ  | AN         |          | J             | R5F21368CNFP  |
| IC2005                               | VH i LVC2G14G-1Y  | AD         |          | J             | 74LVC2G14GW,125   |
| IC2007                               | VH i RV2402Ai-1Y  | AB         |          | J             | R1EV24002ASAS0I   |
| IC2008                               | VH i TC7SH08U-1Y  | AF         |          | J             | TC7SH08FU(TE85L,JF)   |
| IC2009                               | VH i TC7SH02U1EY  | AD         |          | J             | TC7SH02FU(TE85L,JF)   |
| IC2601                               | VH i S i 9687A-1Q | AS         |          | J             | SII9687ACNUC  |
| IC2602                               | VH i 13A1C10U-1Y  | AC         |          | J             | S-13A1C10-U5T1U3  |
| IC3102                               | VH i TC7SH08U-1Y  | AF         |          | J             | TC7SH08FU(TE85L,JF)   |
| IC3103                               | Not Available     | -          |          | -             | TC58NVG3S0FTA00B4H (Please replace the MAIN PWB when it is necessary to replace this IC.) |
| IC3104                               | VH i RV2464Ai-1Y  | AD         |          | J             | R1EV24064ASAS0I   |
| IC3301                               | RH- i XD414WJN1Q  | BE         |          | X             | MT5396SGDJ  |
| IC3302                               | VH i 13A1C12U-1Y  | AC         |          | J             | S-13A1C12-U5T1U3  |
| IC3303                               | VH i 3411A33N-1Y  | AC         |          | J             | MM3411A33NRE  |
| IC3501                               | RH- i XD682WJQZQ  | AQ         |          | J             | K4B2G1646Q-BCMA   |
| IC3502                               | RH- i XD682WJQZQ  | AQ         |          | J             | K4B2G1646Q-BCMA   |
| IC3503                               | RH- i XD682WJQZQ  | AQ         |          | J             | K4B2G1646Q-BCMA   |
| IC3504                               | RH- i XD682WJQZQ  | AQ         |          | J             | K4B2G1646Q-BCMA   |

| NO.                                  | PARTS CODE      | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                  |
|--------------------------------------|-----------------|------------|----------|---------------|------------------------------|
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b> |                 |            |          |               |                              |
| IC3802                               | VHi TC7WB66C-1Y | AC         |          | J             | TC7WB66FK,LF(A               |
| IC3805                               | VHi TC7WB66C-1Y | AC         |          | J             | TC7WB66FK,LF(A               |
| IC9501                               | VHi PS2553DB-1Y | AE         |          | J             | TPS2553DBVR                  |
| IC9502                               | VHi BD2246G+-1Y | AD         |          | J             | BD2246G-GTR                  |
| IC9601                               | VHi TPS54227-1Y | AF         |          | J             | TPS54227DDAR                 |
| IC9602                               | VHi 3464A33N-1Y | AC         |          | J             | MM3464A33NRE                 |
| IC9603                               | VHi TPS54429-1Y | AH         |          | J             | TPS54229PWPR                 |
| IC9604                               | VHi TPS54227-1Y | AF         |          | J             | TPS54227DDAR                 |
| IC9605                               | VHi 3411A33N-1Y | AC         |          | J             | MM3411A33NRE                 |
| IC9606                               | VHi TPS54227-1Y | AF         |          | J             | TPS54227DDAR                 |
| IC9607                               | VHi TPS54527-1Y | AK         |          | J             | TPS54527DDAR                 |
| J501                                 | QJAKEA111WJQZY  | AD         |          | J             | Jack                         |
| J504                                 | QJAKEA115WJQZQ  | AE         |          | J             | Jack                         |
| J510                                 | QJAKZA137WJQZ   | AH         |          | J             | Jack                         |
| J9401                                | QJAKZA128WJQZQ  | AF         |          | J             | Jack                         |
| J9501                                | QSOCZA265WJQZY  | AE         |          | J             | Socket                       |
| J9502                                | QSOCZA265WJQZY  | AE         |          | J             | Socket                       |
| L1107                                | VPDER100MR36NY  | AC         |          | J             | Peaking 10μH                 |
| L1501                                | VPMTN1R0JR35NY  | AA         |          | J             | Peaking 1μH                  |
| L1705                                | RCLPB014WJQZY   | AC         |          | J             | Coil                         |
| L1706                                | RCLPB014WJQZY   | AC         |          | J             | Coil                         |
| L1707                                | RCLPB014WJQZY   | AC         |          | J             | Coil                         |
| L1708                                | RCLPB014WJQZY   | AC         |          | J             | Coil                         |
| L1901                                | VPDER100MR36NY  | AC         |          | J             | Peaking 10μH                 |
| L2601                                | RCLFA405WJQZY   | AB         |          | J             | Coil                         |
| L2602                                | RCLFA405WJQZY   | AB         |          | J             | Coil                         |
| L2603                                | RCLFA405WJQZY   | AB         |          | J             | Coil                         |
| L2604                                | RCLFA405WJQZY   | AB         |          | J             | Coil                         |
| L3801                                | RCLFA405WJQZY   | AB         |          | J             | Coil                         |
| L3802                                | RCLFA405WJQZY   | AB         |          | J             | Coil                         |
| L3803                                | RCLFA405WJQZY   | AB         |          | J             | Coil                         |
| L3804                                | RCLFA405WJQZY   | AB         |          | J             | Coil                         |
| L9501                                | RCLFA154WJZZY   | AC         |          | J             | Coil                         |
| L9502                                | RCLFA154WJZZY   | AC         |          | J             | Coil                         |
| L9503                                | RCLFA154WJZZY   | AC         |          | J             | Coil                         |
| L9504                                | RCLFA154WJZZY   | AC         |          | J             | Coil                         |
| L9601                                | RCLPB409WJQZY   | AC         |          | J             | Coil                         |
| L9602                                | RCLPB201WJQZY   | AD         |          | J             | Coil                         |
| L9603                                | RCLPB409WJQZY   | AC         |          | J             | Coil                         |
| L9604                                | RCLPB409WJQZY   | AC         |          | J             | Coil                         |
| L9605                                | RCLPB011WJQZY   | AC         |          | J             | Coil                         |
| P1903                                | QPLGNB242WJZZY  | AD         |          | J             | Plug                         |
| P2001                                | QPLGNB265WJZZY  | AC         |          | J             | Plug                         |
| P3801                                | QPLGNB001WJZZ   | AE         |          | J             | Plug                         |
| P9504                                | QPLGNB256WJZZY  | AA         |          | X             | Plug                         |
| P9505                                | QPLGNB255WJZZY  | AA         |          | X             | Plug                         |
| Q505                                 | VSLTC014EEB-1Y  | AB         |          | J             | LTC014EEBFS8TL               |
| Q1502                                | VSLTC014YEB-1Y  | AA         |          | J             | LTC014YEBFS8TL               |
| Q1503                                | VSFC654601+-1Y  | AC         |          | J             | FC6546010R                   |
| Q1504                                | VSLTC014YEB-1Y  | AA         |          | J             | LTC014YEBFS8TL               |
| Q1505                                | VSKTA2014EY-1Y  | AB         |          | J             | KTA2014EY-RTK                |
| Q1506                                | VSFC654601+-1Y  | AC         |          | J             | FC6546010R                   |
| Q1507                                | VSUM6K33N+-1Y   | AC         |          | J             | UM6K33NTN                    |
| Q1508                                | VSLTC014YEB-1Y  | AA         |          | J             | LTC014YEBFS8TL               |
| Q1509                                | VSFC654601+-1Y  | AC         |          | J             | FC6546010R                   |
| Q1510                                | VSRN4982///-1Y  | AB         |          | J             | RN4982(TE85L,F)              |
| Q1511                                | VSLTC014YEB-1Y  | AA         |          | J             | LTC014YEBFS8TL               |
| Q1512                                | VSLTC014YEB-1Y  | AA         |          | J             | LTC014YEBFS8TL               |
| Q1701                                | VSRN1702///-1Y  | AC         |          | J             | RN1702(TE85L,F)              |
| Q1702                                | VSRN1702///-1Y  | AC         |          | J             | RN1702(TE85L,F)              |
| Q2001                                | VSLTC014EEB-1Y  | AB         |          | J             | LTC014EEBFS8TL               |
| Q2004                                | VSRN4985///-1Y  | AB         |          | J             | RN4985(T5L,F,T)              |
| Q2006                                | VSLTC014EEB-1Y  | AB         |          | J             | LTC014EEBFS8TL               |
| Q2007                                | VSLTC014EEB-1Y  | AB         |          | J             | LTC014EEBFS8TL               |
| Q2009                                | VSLTC014EEB-1Y  | AB         |          | J             | LTC014EEBFS8TL               |
| Q2012                                | VSRN4982///-1Y  | AB         |          | J             | RN4982(TE85L,F)              |
| Q2601                                | VSFC654601+-1Y  | AC         |          | J             | FC6546010R                   |
| Q2603                                | VSKTA1535T+-1Y  | AC         |          | J             | KTA1535T-RTK/P               |
| Q2604                                | VSLTC014YEB-1Y  | AA         |          | J             | LTC014YEBFS8TL               |
| Q2605                                | VSLTC014YEB-1Y  | AA         |          | J             | LTC014YEBFS8TL               |
| Q3801                                | VSLTC014EEB-1Y  | AB         |          | J             | LTC014EEBFS8TL               |
| Q9601                                | VSRN4982///-1Y  | AB         |          | J             | RN4982(TE85L,F)              |
| Q9602                                | VSRN4982///-1Y  | AB         |          | J             | RN4982(TE85L,F)              |
| Q9603                                | VSRN4982///-1Y  | AB         |          | J             | RN4982(TE85L,F)              |
| Q9604                                | VSLTC014EEB-1Y  | AB         |          | J             | LTC014EEBFS8TL               |
| R501                                 | VRK-SB1FF101JY  | AA         |          | J             | 100 1/32W Metal Composition  |
| R502                                 | VRK-SA1JF472JY  | AA         |          | J             | 4.7k 1/16W Metal Composition |
| R503                                 | VRS-CZ1JF100JY  | AA         |          | J             | 10 1/16W Metal Oxide         |
| R505                                 | VRS-TQ2EF750JY  | AA         |          | J             | 75 1/4W Metal Oxide          |
| R506                                 | VRS-TQ2EF750JY  | AA         |          | J             | 75 1/4W Metal Oxide          |
| R507                                 | VRS-TQ2EF750JY  | AA         |          | J             | 75 1/4W Metal Oxide          |
| R509                                 | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide          |
| R510                                 | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide          |
| R511                                 | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide          |
| R512                                 | VRS-CZ1JF000JY  | AA         |          | J             | 0 1/16W Metal Oxide          |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                  |
|--------------------------------------|----------------|------------|----------|---------------|------------------------------|
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b> |                |            |          |               |                              |
| R513                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R515                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R517                                 | VRK-SB1FF104JY | AD         |          | J             | 100k 1/32W Metal Composition |
| R519                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R520                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R521                                 | VRK-SB1FF104JY | AD         |          | J             | 100k 1/32W Metal Composition |
| R522                                 | VRS-CZ1JF221JY | AA         |          | J             | 220 1/16W Metal Oxide        |
| R523                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R524                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R525                                 | VRK-SB1FF104JY | AD         |          | J             | 100k 1/32W Metal Composition |
| R526                                 | VRK-SB1FF104JY | AD         |          | J             | 100k 1/32W Metal Composition |
| R531                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R533                                 | VRS-CZ1JF221JY | AA         |          | J             | 220 1/16W Metal Oxide        |
| R534                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R536                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R538                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R539                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R540                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R572                                 | VRK-SB1FF103JY | AA         |          | J             | 10k 1/32W Metal Composition  |
| R576                                 | VRS-CY1JF180JY | AA         |          | J             | 18 1/16W Metal Oxide         |
| R577                                 | VRS-CY1JF180JY | AA         |          | J             | 18 1/16W Metal Oxide         |
| R578                                 | VRS-CY1JF180JY | AA         |          | J             | 18 1/16W Metal Oxide         |
| R579                                 | VRS-TQ2EF750JY | AA         |          | J             | 75 1/4W Metal Oxide          |
| R580                                 | VRS-TQ2EF750JY | AA         |          | J             | 75 1/4W Metal Oxide          |
| R583                                 | VRS-TQ2EF560JY | AA         |          | J             | 56 1/4W Metal Oxide          |
| R584                                 | VRS-TQ2EF560JY | AA         |          | J             | 56 1/4W Metal Oxide          |
| R585                                 | VRS-TQ2EF560JY | AA         |          | J             | 56 1/4W Metal Oxide          |
| R586                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R587                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R588                                 | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R590                                 | VRS-TQ2EF330JY | AB         |          | J             | 33 1/4W Metal Oxide          |
| R591                                 | VRK-SB1FF104JY | AD         |          | J             | 100k 1/32W Metal Composition |
| R592                                 | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide         |
| R593                                 | VRS-TQ2EF330JY | AB         |          | J             | 33 1/4W Metal Oxide          |
| R602                                 | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R604                                 | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide       |
| R606                                 | VRS-TQ2EF101JY | AA         |          | J             | 100 1/4W Metal Oxide         |
| R607                                 | VRS-TQ2EF101JY | AA         |          | J             | 100 1/4W Metal Oxide         |
| R608                                 | VRS-TV1JD101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R609                                 | VRS-TV1JD101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R613                                 | VRS-TV1JD101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R615                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R620                                 | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R1101                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R1102                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1103                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1104                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R1151                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R1503                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R1505                                | VRS-CZ1JF243FY | AA         |          | J             | 24k 1/16W Metal Oxide        |
| R1506                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R1507                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide       |
| R1508                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide       |
| R1509                                | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide       |
| R1510                                | VRK-SA1JF103JY | AB         |          | J             | 10k 1/16W Metal Composition  |
| R1511                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide       |
| R1512                                | VRS-CZ1JF304JY | AB         |          | J             | 300k 1/16W Metal Oxide       |
| R1513                                | VRK-SA1JF473JY | AC         |          | J             | 47k 1/16W Metal Composition  |
| R1515                                | VRK-SA1JF473JY | AC         |          | J             | 47k 1/16W Metal Composition  |
| R1516                                | VRK-SA1JF473JY | AC         |          | J             | 47k 1/16W Metal Composition  |
| R1517                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R1518                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R1519                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide         |
| R1520                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1521                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R1522                                | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide       |
| R1523                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R1524                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R1526                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1527                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R1528                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R1529                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R1530                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R1537                                | VRK-SA1JF473JY | AC         |          | J             | 47k 1/16W Metal Composition  |
| R1538                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R1545                                | VRS-CZ1JF273JY | AA         |          | J             | 27k 1/16W Metal Oxide        |
| R1551                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R1556                                | VRS-CZ1JF474JY | AA         |          | J             | 470k 1/16W Metal Oxide       |
| R1561                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R1562                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R1702                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1703                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1704                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R1705                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition    |
| R1706                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                  |
|--------------------------------------|----------------|------------|----------|---------------|------------------------------|
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b> |                |            |          |               |                              |
| R1707                                | VRS-CZ1JF105JY | AA         |          | J             | 1M 1/16W Metal Oxide         |
| R1708                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1709                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1710                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1711                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1712                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1755                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1756                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R1758                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R1901                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R1902                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R1903                                | VRS-CZ1JF153JY | AA         |          | J             | 15k 1/16W Metal Oxide        |
| R1904                                | VRS-CZ1JF563JY | AA         |          | J             | 56k 1/16W Metal Oxide        |
| R1905                                | VRS-CZ1JF512JY | AA         |          | J             | 5.1k 1/16W Metal Oxide       |
| R1906                                | VRS-CZ1JF822FY | AA         |          | J             | 8.2k 1/16W Metal Oxide       |
| R1907                                | VRS-CZ1JF223JY | AA         |          | J             | 22k 1/16W Metal Oxide        |
| R1908                                | VRS-CZ1JF153JY | AA         |          | J             | 15k 1/16W Metal Oxide        |
| R1909                                | VRS-CZ1JF563JY | AA         |          | J             | 56k 1/16W Metal Oxide        |
| R1911                                | VRS-CZ1JF563JY | AA         |          | J             | 56k 1/16W Metal Oxide        |
| R2003                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R2004                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R2007                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2010                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2011                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2013                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R2015                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide        |
| R2016                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R2020                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2021                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2023                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2024                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2025                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R2027                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R2028                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2030                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2031                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2032                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2033                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2034                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2036                                | VRS-CZ1JF273JY | AA         |          | J             | 27k 1/16W Metal Oxide        |
| R2039                                | VRK-SA1JF182JY | AC         |          | J             | 1.8k 1/16W Metal Composition |
| R2041                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition   |
| R2043                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2045                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R2046                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2047                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2048                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2051                                | VRK-SA1JF221JY | AE         |          | J             | 220 1/16W Metal Composition  |
| R2054                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2055                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2056                                | VRS-CZ1JF221JY | AA         |          | J             | 220 1/16W Metal Oxide        |
| R2062                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2064                                | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide       |
| R2066                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2067                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2068                                | VRS-CZ1JF273JY | AA         |          | J             | 27k 1/16W Metal Oxide        |
| R2069                                | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition   |
| R2070                                | VRK-SB1FF103JY | AA         |          | J             | 10k 1/32W Metal Composition  |
| R2071                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2072                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2074                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2075                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2078                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R2080                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2082                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide        |
| R2083                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R2091                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2092                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2099                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2154                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R2601                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2602                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2603                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2604                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2605                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2606                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2607                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2608                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2609                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2610                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R2611                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2612                                | VRS-CZ1JF512JY | AA         |          | J             | 5.1k 1/16W Metal Oxide       |
| R2613                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2614                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2616                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                  |
|--------------------------------------|----------------|------------|----------|---------------|------------------------------|
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b> |                |            |          |               |                              |
| R2617                                | VRK-SA1JF101JY | AC         |          | J             | 100 1/16W Metal Composition  |
| R2618                                | VRK-SA1JF101JY | AC         |          | J             | 100 1/16W Metal Composition  |
| R2619                                | VRK-SA1JF101JY | AC         |          | J             | 100 1/16W Metal Composition  |
| R2620                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2621                                | VRK-SA1JF101JY | AC         |          | J             | 100 1/16W Metal Composition  |
| R2622                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2623                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2624                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2626                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2627                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R2628                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R2629                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2639                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2643                                | VRS-CZ1JF512JY | AA         |          | J             | 5.1k 1/16W Metal Oxide       |
| R2646                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2649                                | VRS-CZ1JF512JY | AA         |          | J             | 5.1k 1/16W Metal Oxide       |
| R2651                                | VRS-CZ1JF512JY | AA         |          | J             | 5.1k 1/16W Metal Oxide       |
| R2653                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2654                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2662                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R2663                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R2664                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R3101                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3102                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3103                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3104                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide         |
| R3105                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3107                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R3108                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3109                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3110                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R3111                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R3112                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R3113                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3118                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3119                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3120                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R3121                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition   |
| R3122                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition   |
| R3124                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3132                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R3133                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide       |
| R3139                                | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition   |
| R3160                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3301                                | VRS-CZ1JF331FY | AA         |          | J             | 330 1/16W Metal Oxide        |
| R3302                                | VRS-CZ1JF331FY | AA         |          | J             | 330 1/16W Metal Oxide        |
| R3303                                | VRS-CZ1JF243FY | AA         |          | J             | 24k 1/16W Metal Oxide        |
| R3305                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R3309                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3311                                | VRS-CZ1JF243FY | AA         |          | J             | 24k 1/16W Metal Oxide        |
| R3312                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R3313                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3314                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R3315                                | VRS-CZ1JF105JY | AA         |          | J             | 1M 1/16W Metal Oxide         |
| R3316                                | VRS-CZ1JF151JY | AA         |          | J             | 150 1/16W Metal Oxide        |
| R3317                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3320                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3322                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3323                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3324                                | VRK-SB1FF103JY | AA         |          | J             | 10k 1/32W Metal Composition  |
| R3325                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R3326                                | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition   |
| R3327                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3328                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3329                                | VRK-SA1JF221JY | AE         |          | J             | 220 1/16W Metal Composition  |
| R3331                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R3332                                | VRK-SA1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Composition |
| R3333                                | VRK-SA1JF221JY | AE         |          | J             | 220 1/16W Metal Composition  |
| R3334                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3336                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3337                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3338                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3339                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3340                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3341                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R3347                                | VRK-SA1JF182JY | AC         |          | J             | 1.8k 1/16W Metal Composition |
| R3348                                | VRK-SA1JF102JY | AB         |          | J             | 1k 1/16W Metal Composition   |
| R3349                                | VRK-SA1JF222JY | AB         |          | J             | 2.2k 1/16W Metal Composition |
| R3350                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide         |
| R3351                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R3352                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide         |
| R3353                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R3354                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide         |
| R3356                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide         |
| R3357                                | VRS-CZ1JF221JY | AA         |          | J             | 220 1/16W Metal Oxide        |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                 |
|--------------------------------------|----------------|------------|----------|---------------|-----------------------------|
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b> |                |            |          |               |                             |
| R3358                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3361                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R3362                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R3363                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R3364                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R3365                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R3366                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R3367                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R3368                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R3374                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3375                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide        |
| R3376                                | VRK-SA1JF103JY | AB         |          | J             | 10k 1/16W Metal Composition |
| R3377                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide        |
| R3378                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3383                                | VRS-CZ1JF223JY | AA         |          | J             | 22k 1/16W Metal Oxide       |
| R3384                                | VRS-CZ1JF223JY | AA         |          | J             | 22k 1/16W Metal Oxide       |
| R3387                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3388                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3389                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3397                                | VRK-SA1JF103JY | AB         |          | J             | 10k 1/16W Metal Composition |
| R3398                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3399                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3400                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3401                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3405                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3419                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3420                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3423                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R3425                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide      |
| R3428                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide        |
| R3429                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide        |
| R3430                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3431                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide        |
| R3432                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3434                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3435                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3448                                | VRS-CZ1JF750JY | AA         |          | J             | 75 1/16W Metal Oxide        |
| R3451                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3454                                | VRS-CZ1JF273JY | AA         |          | J             | 27k 1/16W Metal Oxide       |
| R3461                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R3464                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3465                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3481                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3498                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R3499                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R3501                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3502                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3503                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3504                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3505                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3506                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3507                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3508                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3509                                | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide       |
| R3510                                | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide       |
| R3511                                | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide       |
| R3512                                | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide       |
| R3651                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition   |
| R3652                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition   |
| R3653                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3654                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3655                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3656                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3657                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3658                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3659                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3660                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3661                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3662                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3664                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3665                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3666                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3667                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3668                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3669                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3670                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3671                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3672                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3673                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3674                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3675                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3676                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3677                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3678                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3679                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                |
|--------------------------------------|----------------|------------|----------|---------------|----------------------------|
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b> |                |            |          |               |                            |
| R3680                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide       |
| R3681                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide       |
| R3682                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide       |
| R3683                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide       |
| R3685                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition |
| R3686                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition |
| R3687                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition |
| R3688                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition |
| R3689                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition |
| R3690                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition |
| R3691                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition  |
| R3692                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition  |
| R3804                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R3806                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide       |
| R3807                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R3808                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R3809                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R3812                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R3815                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R3816                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R3819                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R3822                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide      |
| R3835                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R3838                                | VRS-CZ1JF105JY | AA         |          | J             | 1M 1/16W Metal Oxide       |
| R3843                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide     |
| R3848                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R3854                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide      |
| R3855                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide      |
| R3856                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R3873                                | VRS-TQ2EF000JY | AB         |          | J             | 0 1/4W Metal Oxide         |
| R3874                                | VRS-TQ2EF000JY | AB         |          | J             | 0 1/4W Metal Oxide         |
| R3875                                | VRS-TQ2EF000JY | AB         |          | J             | 0 1/4W Metal Oxide         |
| R9405                                | VRS-CZ1JF750FY | AA         |          | J             | 75 1/16W Metal Oxide       |
| R9406                                | VRS-CZ1JF750FY | AA         |          | J             | 75 1/16W Metal Oxide       |
| R9407                                | VRS-CZ1JF750FY | AA         |          | J             | 75 1/16W Metal Oxide       |
| R9408                                | VRS-CZ1JF750FY | AA         |          | J             | 75 1/16W Metal Oxide       |
| R9501                                | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide     |
| R9502                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R9505                                | VRS-CZ1JF393JY | AA         |          | J             | 39k 1/16W Metal Oxide      |
| R9506                                | VRS-CZ1JF273JY | AA         |          | J             | 27k 1/16W Metal Oxide      |
| R9507                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition  |
| R9508                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R9511                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition  |
| R9556                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R9558                                | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide     |
| R9601                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9602                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R9603                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide     |
| R9604                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9605                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9606                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R9607                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9608                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R9609                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide     |
| R9611                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9612                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R9613                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9615                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9616                                | VRS-CZ1JF223FY | AA         |          | J             | 22k 1/16W Metal Oxide      |
| R9617                                | VRS-CZ1JF223FY | AA         |          | J             | 22k 1/16W Metal Oxide      |
| R9618                                | VRS-CZ1JF223FY | AA         |          | J             | 22k 1/16W Metal Oxide      |
| R9619                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R9620                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R9621                                | VRS-CZ1JF683FY | AA         |          | J             | 68k 1/16W Metal Oxide      |
| R9622                                | VRS-CZ1JF562JY | AA         |          | J             | 5.6k 1/16W Metal Oxide     |
| R9623                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R9624                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R9626                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R9627                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide     |
| R9628                                | VRS-CZ1JF223FY | AA         |          | J             | 22k 1/16W Metal Oxide      |
| R9629                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R9630                                | VRS-CZ1JF683FY | AA         |          | J             | 68k 1/16W Metal Oxide      |
| R9631                                | VRS-CZ1JF822FY | AA         |          | J             | 8.2k 1/16W Metal Oxide     |
| R9632                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| R9633                                | VRS-CZ1JF473FY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R9634                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| SC501                                | QSOCNB116WJQZ  | AG         |          | J             | Socket                     |
| SC504                                | QSOCNB115WJQZ  | AF         |          | J             | Socket                     |
| SC1501                               | QSOCZA321WJQZY | AD         |          | J             | Socket                     |
| SC1502                               | QSOCZA321WJQZY | AD         |          | J             | Socket                     |
| SC1503                               | QSOCZA321WJQZY | AD         |          | J             | Socket                     |
| SC1504                               | QSOCZA321WJQZY | AD         |          | J             | Socket                     |
| SC3801                               | QCNCWA671WJQZY | AH         |          | J             | Connector                  |
| SG1501                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2               |
| SG1502                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2               |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION        |
|--------------------------------------|----------------|------------|----------|---------------|--------------------|
| <b>[7] DUNTKG381FM01 (MAIN Unit)</b> |                |            |          |               |                    |
| SG1503                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1504                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1505                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1506                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1507                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1508                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1509                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1510                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1511                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1512                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1513                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1514                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1515                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1516                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1517                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1518                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1519                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1520                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1521                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1522                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1523                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1524                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1532                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1542                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1543                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1544                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1545                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1546                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1547                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1548                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| SG1549                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| T9401                                | RTRNZ143WJQZY  | AF         |          | J             | Transformer        |
| TH2001                               | VHHM1103J15-1Y | AB         |          | J             | Thermistor         |
| TU1104                               | RTUDAA083WJQZ  | AM         |          | X             | Tuner              |
| VA501                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA502                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA503                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA511                                | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| VA512                                | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| VA513                                | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| VA514                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA515                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA521                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA522                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA523                                | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| VA524                                | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| VA525                                | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| VA526                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA527                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA528                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA529                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA530                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA531                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA532                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA533                                | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT |
| VA9501                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| VA9502                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| VA9503                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| VA9504                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2       |
| X1701                                | RCRSCA276WJQZY | AC         |          | J             | Crystal            |
| X3301                                | RCRSCA278WJQZY | AE         |          | J             | Crystal            |
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |                    |
| C503                                 | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic   |
| C504                                 | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic  |
| C505                                 | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic  |
| C506                                 | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic  |
| C507                                 | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic  |
| C508                                 | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic  |
| C509                                 | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic  |
| C510                                 | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic  |
| C511                                 | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic   |
| C512                                 | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic  |
| C513                                 | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic   |
| C514                                 | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic   |
| C544                                 | VCCCCZ1HH471JY | AA         |          | J             | 470p 50V Ceramic   |
| C545                                 | VCCCCZ1HH471JY | AA         |          | J             | 470p 50V Ceramic   |
| C548                                 | VCCCCZ1HH100DY | AB         |          | J             | 10p 50V Ceramic    |
| C549                                 | VCCCCZ1HH100DY | AB         |          | J             | 10p 50V Ceramic    |
| C550                                 | VCCCCZ1HH100DY | AB         |          | J             | 10p 50V Ceramic    |
| C555                                 | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic    |
| C556                                 | VCCCCZ1HH100DY | AB         |          | J             | 10p 50V Ceramic    |
| C558                                 | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic   |
| C559                                 | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic   |
| C577                                 | RC-KZA761WJQZY | AB         |          | J             | Capacitor          |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION       |
|--------------------------------------|----------------|------------|----------|---------------|-------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |                   |
| C578                                 | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C625                                 | VCKYCJ1CB104MY | AC         |          | J             | 0.1 16V Ceramic   |
| C1106                                | VCCCCZ1HH100DY | AB         |          | J             | 10p 50V Ceramic   |
| C1108                                | VCCCCZ1HH100DY | AB         |          | J             | 10p 50V Ceramic   |
| C1109                                | VCKYCZ1AB473KY | AB         |          | J             | 0.047 10V Ceramic |
| C1110                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C1123                                | VCKYCZ1AB473KY | AB         |          | J             | 0.047 10V Ceramic |
| C1124                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C1127                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C1129                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C1133                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C1185                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C1196                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C1506                                | VCKYCZ1AB473KY | AB         |          | J             | 0.047 10V Ceramic |
| C1507                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C1508                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C1509                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C1515                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C1601                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C1602                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C1703                                | VCCCCZ1HH120JY | AB         |          | J             | 12p 50V Ceramic   |
| C1704                                | VCCCCZ1HH120JY | AB         |          | J             | 12p 50V Ceramic   |
| C1706                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C1707                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C1708                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C1709                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C1710                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C1761                                | RC-KZA110WJZZY | AD         |          | J             | Capacitor         |
| C1762                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C1763                                | RC-KZA110WJZZY | AD         |          | J             | Capacitor         |
| C1765                                | RC-KZA709WJQZY | AA         |          | J             | Capacitor         |
| C1767                                | RC-KZA709WJQZY | AA         |          | J             | Capacitor         |
| C1768                                | RC-KZA709WJQZY | AA         |          | J             | Capacitor         |
| C1769                                | RC-KZA709WJQZY | AA         |          | J             | Capacitor         |
| C1771                                | RC-KZB032WJZZY | AA         |          | J             | Capacitor         |
| C1773                                | RC-KZB032WJZZY | AA         |          | J             | Capacitor         |
| C1788                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C1789                                | RC-KZA110WJZZY | AD         |          | J             | Capacitor         |
| C1790                                | RC-KZA110WJZZY | AD         |          | J             | Capacitor         |
| C1793                                | RC-KZA709WJQZY | AA         |          | J             | Capacitor         |
| C1794                                | RC-KZA709WJQZY | AA         |          | J             | Capacitor         |
| C1797                                | RC-KZB032WJZZY | AA         |          | J             | Capacitor         |
| C1901                                | VCCCCZ1HH221JY | AB         |          | J             | 220p 50V Ceramic  |
| C1902                                | VCCCCZ1HH221JY | AB         |          | J             | 220p 50V Ceramic  |
| C1904                                | RC-KZA691WJZZY | AB         |          | J             | Capacitor         |
| C1905                                | RC-KZA691WJZZY | AB         |          | J             | Capacitor         |
| C1907                                | VCCCCZ1HH391JY | AA         |          | J             | 390p 50V Ceramic  |
| C1908                                | VCCCCZ1HH470JY | AB         |          | J             | 47p 50V Ceramic   |
| C1909                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C1910                                | VCCCCZ1HH391JY | AA         |          | J             | 390p 50V Ceramic  |
| C1911                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C1912                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C1913                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C1914                                | VCCCCZ1HH470JY | AB         |          | J             | 47p 50V Ceramic   |
| C1957                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2001                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2002                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2003                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2004                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2005                                | VCKYCZ1HB152KY | AB         |          | J             | 1500p 50V Ceramic |
| C2008                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2011                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2012                                | VCKYCZ1HB222KY | AB         |          | J             | 2200p 50V Ceramic |
| C2015                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2016                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2017                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C2018                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C2019                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C2020                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2021                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2022                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2029                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C2038                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C2502                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2503                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C2504                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2505                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2508                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C2509                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C2510                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2511                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2512                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2513                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2514                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2515                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION       |
|--------------------------------------|----------------|------------|----------|---------------|-------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |                   |
| C2516                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2517                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2518                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2519                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2520                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2522                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2523                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2524                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2525                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2526                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2527                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2528                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2529                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2530                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2532                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2534                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2535                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2536                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2537                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2538                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2539                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2540                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2541                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2542                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2543                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2544                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2545                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2546                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2547                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2548                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2549                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2550                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2551                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2552                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2553                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2554                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2555                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2556                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2601                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2604                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2605                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2607                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2608                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2610                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2613                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2614                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2615                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2617                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2618                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2619                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2620                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C2622                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2623                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2624                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2626                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2628                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2636                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C2638                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C2639                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2644                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C2651                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C2653                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C3102                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3103                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3104                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3106                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3110                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3112                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3301                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3302                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C3303                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3304                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C3305                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3306                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3307                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3308                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C3309                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C3310                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3311                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3312                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3313                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3314                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3315                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3319                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C3321                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION       |
|--------------------------------------|----------------|------------|----------|---------------|-------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |                   |
| C3322                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3323                                | VCKYCY1AB105KY | AB         |          | J             | 1 10V Ceramic     |
| C3324                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3325                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3326                                | VCKYCY1AB105KY | AB         |          | J             | 1 10V Ceramic     |
| C3327                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3328                                | VCKYCY1AB105KY | AB         |          | J             | 1 10V Ceramic     |
| C3329                                | VCKYCY1AB105KY | AB         |          | J             | 1 10V Ceramic     |
| C3333                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3334                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3335                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3336                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C3337                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C3338                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3339                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3340                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3342                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3343                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3344                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3345                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C3346                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3347                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3348                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C3349                                | RC-KZA761WJQZY | AB         |          | J             | Capacitor         |
| C3350                                | VCCCZ1HH9R0DY  | AA         |          | J             | 9p 50V Ceramic    |
| C3351                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3352                                | VCCCZ1HH8R0DY  | AA         |          | J             | 8p 50V Ceramic    |
| C3353                                | VCCCZ1HH470JY  | AB         |          | J             | 47p 50V Ceramic   |
| C3354                                | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C3357                                | VCKYCZ1HB152KY | AB         |          | J             | 1500p 50V Ceramic |
| C3358                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3359                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3360                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3361                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3362                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3364                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3365                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3366                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3367                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3368                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3369                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3370                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3371                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3372                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3373                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3374                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3375                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3376                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3382                                | VCCCZ1HH470JY  | AB         |          | J             | 47p 50V Ceramic   |
| C3383                                | VCCCZ1HH470JY  | AB         |          | J             | 47p 50V Ceramic   |
| C3384                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C3385                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3386                                | VCKYCZ1HB152KY | AB         |          | J             | 1500p 50V Ceramic |
| C3387                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3388                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3389                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3391                                | VCKYCZ1AB473KY | AB         |          | J             | 0.047 10V Ceramic |
| C3392                                | VCKYCZ1AB473KY | AB         |          | J             | 0.047 10V Ceramic |
| C3396                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3397                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3399                                | VCCCZ1HH470JY  | AB         |          | J             | 47p 50V Ceramic   |
| C3400                                | VCCCZ1HH470JY  | AB         |          | J             | 47p 50V Ceramic   |
| C3502                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3504                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3506                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3508                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3510                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3512                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3514                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3516                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3517                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3518                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3519                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3520                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3521                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3522                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3523                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3524                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3525                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3526                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3527                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3528                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3529                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C3530                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3531                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION       |
|--------------------------------------|----------------|------------|----------|---------------|-------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |                   |
| C3532                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3651                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C3652                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C3653                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C3654                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C3801                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3802                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3803                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3804                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3805                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3806                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3807                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3808                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3810                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3812                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3813                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C3815                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3816                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C3818                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C3819                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C3820                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C3821                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C3822                                | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic  |
| C9402                                | VCCCCZ1HH560JY | AB         |          | J             | 56p 50V Ceramic   |
| C9403                                | VCCCCZ1HH560JY | AB         |          | J             | 56p 50V Ceramic   |
| C9404                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C9405                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9406                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9407                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C9408                                | VCCCCZ1HH560JY | AB         |          | J             | 56p 50V Ceramic   |
| C9409                                | VCCCCZ1HH560JY | AB         |          | J             | 56p 50V Ceramic   |
| C9411                                | RC-KZA523WJQZY | AD         |          | J             | Capacitor         |
| C9501                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9502                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9503                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C9504                                | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C9505                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9506                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9507                                | VCCCCZ1HH391JY | AA         |          | J             | 390p 50V Ceramic  |
| C9601                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9602                                | VCKYCZ1HB472KY | AA         |          | J             | 4700p 50V Ceramic |
| C9603                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C9604                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9605                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9606                                | RC-KZA805WJQZY | AB         |          | J             | Capacitor         |
| C9607                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9608                                | VCKYCY1AB474KY | AC         |          | J             | 0.47 10V Ceramic  |
| C9609                                | RC-KZA110WJZZY | AD         |          | J             | Capacitor         |
| C9610                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9612                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9613                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9614                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9615                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9616                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9617                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C9618                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9619                                | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C9620                                | RC-KZA805WJQZY | AB         |          | J             | Capacitor         |
| C9621                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9622                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9623                                | RC-KZA805WJQZY | AB         |          | J             | Capacitor         |
| C9624                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9625                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9626                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9627                                | VCKYCZ1EB682KY | AB         |          | J             | 6800p 25V Ceramic |
| C9628                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9629                                | VCKYCZ1HB222KY | AB         |          | J             | 2200p 50V Ceramic |
| C9630                                | RC-KZA110WJZZY | AD         |          | J             | Capacitor         |
| C9631                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9632                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9633                                | RC-KZA806WJQZY | AA         |          | J             | Capacitor         |
| C9634                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9635                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9636                                | VCCCCZ1HH220JY | AB         |          | J             | 22p 50V Ceramic   |
| C9637                                | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C9638                                | RC-KZA531WJQZY | AA         |          | J             | Capacitor         |
| C9640                                | RC-KZA214WJZZY | AD         |          | J             | Capacitor         |
| C9641                                | RC-KZA805WJQZY | AB         |          | J             | Capacitor         |
| D507                                 | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L        |
| D508                                 | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L        |
| D509                                 | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L        |
| D510                                 | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L        |
| D512                                 | VHDDB2S311+-1Y | AA         |          | J             | DB2S31100L        |
| D513                                 | VHDDB2S311+-1Y | AA         |          | J             | DB2S31100L        |
| D515                                 | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L        |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION         |
|--------------------------------------|----------------|------------|----------|---------------|---------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |                     |
| D525                                 | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D527                                 | VHPCDL37114-1Y | AF         |          | J             | Photodiode          |
| D1501                                | RH-EXA700WJQZY | AB         |          | J             | DZ2J062M0L          |
| D1502                                | VHDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D1503                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1504                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1505                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1506                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1507                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1508                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1509                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1510                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1511                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1512                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1514                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1515                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1516                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1517                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1518                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1519                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1520                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1521                                | VHDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D1522                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D1523                                | VHDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D1524                                | VHDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D1525                                | VHDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D1601                                | VHDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D1602                                | VHDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D2005                                | VHDDA2S101/-1Y | AA         |          | J             | DA2S10100L          |
| D2006                                | VHDBAV70+++1Y  | AB         |          | J             | BAV70.215           |
| D2501                                | VHDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D2502                                | VHDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D2503                                | VHDDB2S311+-1Y | AA         |          | J             | DB2S31100L          |
| D3104                                | VHDBAV70+++1Y  | AB         |          | J             | BAV70.215           |
| D3322                                | RH-PXA230WJPZY | AC         |          | J             | SML-D12M8WT86(Z)    |
| D9601                                | RH-EXA705WJQZY | AB         |          | J             | DZ2J08200L          |
| D9603                                | VHDDA2S101/-1Y | AA         |          | J             | DA2S10100L          |
| D9604                                | VHDDA2S101/-1Y | AA         |          | J             | DA2S10100L          |
| D9605                                | VHDDA2S101/-1Y | AA         |          | J             | DA2S10100L          |
| D9606                                | RH-EXA689WJQZY | AB         |          | J             | DZ2J03900L          |
| D9607                                | VHDDA2S101/-1Y | AA         |          | J             | DA2S10100L          |
| D9608                                | VHDDA2S101/-1Y | AA         |          | J             | DA2S10100L          |
| D9609                                | RH-EXA689WJQZY | AB         |          | J             | DZ2J03900L          |
| D9610                                | VHDDA2S101/-1Y | AA         |          | J             | DA2S10100L          |
| D9611                                | VHDDA2S101/-1Y | AA         |          | J             | DA2S10100L          |
| D9612                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| D9613                                | VHDDA2S101/-1Y | AA         |          | J             | DA2S10100L          |
| D9614                                | RH-EXA741WJQZY | AB         |          | J             | DZ2J056M0L          |
| FB502                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB503                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB504                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB505                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB506                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB507                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB509                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB510                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB513                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB514                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB515                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB516                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB519                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB520                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB521                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB522                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB523                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB525                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB527                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB528                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB529                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB530                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB533                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB534                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB535                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide |
| FB1105                               | RBLN-0241TAZZY | AB         |          | J             | Ferrite Bead        |
| FB1106                               | RBLN-0241TAZZY | AB         |          | J             | Ferrite Bead        |
| FB1109                               | RBLN-A588WJQZY | AA         |          | J             | Ferrite Bead        |
| FB1110                               | RBLN-A588WJQZY | AA         |          | J             | Ferrite Bead        |
| FB1503                               | RBLN-A373WJQZY | AB         |          | J             | Ferrite Bead        |
| FB2001                               | RBLN-A373WJQZY | AB         |          | J             | Ferrite Bead        |
| FB2006                               | RBLN-A586WJQZY | AA         |          | J             | Ferrite Bead        |
| FB2008                               | RBLN-A586WJQZY | AA         |          | J             | Ferrite Bead        |
| FB2009                               | RBLN-A586WJQZY | AA         |          | J             | Ferrite Bead        |
| FB2010                               | RBLN-A373WJQZY | AB         |          | J             | Ferrite Bead        |
| FB2011                               | RBLN-A373WJQZY | AB         |          | J             | Ferrite Bead        |
| FB2012                               | RBLN-A586WJQZY | AA         |          | J             | Ferrite Bead        |

| NO.                                  | PARTS CODE        | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION         |
|--------------------------------------|-------------------|------------|----------|---------------|---------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                   |            |          |               |                     |
| FB2013                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB2014                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB2015                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB2022                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB2501                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB2502                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB2503                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB2504                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB2506                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB2507                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB2508                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB2509                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB2601                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB2602                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB2603                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB3301                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3302                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3309                               | RBLN-0241TAZZY    | AB         |          | J             | Ferrite Bead        |
| FB3801                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB3802                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB3804                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB3805                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB3806                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3807                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3808                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3809                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3810                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3811                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3812                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3813                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3815                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3816                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3817                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB3818                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB3819                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3821                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3822                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3823                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3824                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3825                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3826                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3827                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3828                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3829                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3830                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3831                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3832                               | RBLN-A588WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3833                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB3834                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB3835                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB3836                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB3837                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB3840                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB3841                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB9501                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB9508                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB9509                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB9510                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB9511                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB9512                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB9513                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB9517                               | RBLN-A586WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB9522                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB9601                               | RBLN-A374WJQZY    | AA         |          | J             | Ferrite Bead        |
| FB9602                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB9603                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FB9604                               | RBLN-A373WJQZY    | AB         |          | J             | Ferrite Bead        |
| FL2001                               | RF i LCA005WJZZY  | AE         |          | J             | Filter              |
| FL3301                               | RF i LNA119WJZZY  | AC         |          | J             | Filter              |
| FL3302                               | RF i LNA119WJZZY  | AC         |          | J             | Filter              |
| FL3501                               | RF i LNA119WJZZY  | AC         |          | J             | Filter              |
| FL3502                               | RF i LNA119WJZZY  | AC         |          | J             | Filter              |
| FL3503                               | RF i LNA119WJZZY  | AC         |          | J             | Filter              |
| FL3504                               | RF i LNA119WJZZY  | AC         |          | J             | Filter              |
| IC503                                | VH i T7SET08U1EY  | AC         |          | J             | TC7SET08FU,LJ(J)    |
| IC506                                | VH i M3222Ei P-1Y | AK         |          | J             | MAX3222EIPowerG4    |
| IC1109                               | VH i 3479A18P-1Y  | AD         |          | J             | MM3479A18PRE        |
| IC1501                               | VH i TC7SH08U-1Y  | AF         |          | J             | TC7SH08FU(TE85L,JF) |
| IC1507                               | VH i PS2553DB-1Y  | AE         |          | J             | TPS2553DBVR         |
| IC1601                               | VH i RV2402Ai-1Y  | AB         |          | J             | R1EV24002ASAS01     |
| IC1702                               | VH i YDA174QZ-1Y  | AM         |          | J             | YDA174-QZE2         |
| IC1705                               | VH i YDA176DL-1Y  | AK         |          | J             | YDA176-QZE2         |
| IC1901                               | VH i NCS2632+-1Y  | AE         |          | J             | NCS2632DTBR2G       |
| IC1903                               | VH i 3411A18N-1Y  | AC         |          | J             | MM3411A18NRE        |
| IC2001                               | VH i 7WH126FU-1Y  | AE         |          | J             | TC7WH126FU(TE12L,F) |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION   |
|--------------------------------------|----------------|------------|----------|---------------|---|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |   |
| IC2002                               | VHiLCX157FT-1Y | AD         |          | J             | TC74LCX157FT(ELK,M  |
| IC2003                               | VHiPST8427U-1Y | AB         |          | J             | IC-PST8427UR  |
| IC2004                               | RH-iXD515WJNSQ | AN         |          | J             | R5F21368CNFP  |
| IC2005                               | VHiLVC2G14G-1Y | AD         |          | J             | 74LVC2G14GW.125   |
| IC2007                               | VHiRV2402Ai-1Y | AB         |          | J             | R1EV24002ASAS0I   |
| IC2008                               | VHiTC7SH08U-1Y | AF         |          | J             | TC7SH08FU(TE85L,JF)   |
| IC2009                               | VHiTC7SH02U1EY | AD         |          | J             | TC7SH02FU(TE85L,JF  |
| IC2501                               | VHiS119679+-1Q | AT         |          | X             | SI19679CNUC   |
| IC2502                               | VHi13A1C10U-1Y | AC         |          | J             | S-13A1C10-U5T1U3  |
| IC2503                               | RH-iXD741WJZZS |            |          | J             | W25Q80BVSNI   |
| IC2601                               | VHiS119687A-1Q | AS         |          | J             | SI19687ACNUC  |
| IC2602                               | VHi13A1C10U-1Y | AC         |          | J             | S-13A1C10-U5T1U3  |
| IC3102                               | VHiTC7SH08U-1Y | AF         |          | J             | TC7SH08FU(TE85L,JF)   |
| IC3103                               | Not Available  | -          |          | -             | TC58NVG3S0FTA00B4H (Please replace the MAIN PWB when it is necessary to replace this IC.) |
| IC3104                               | VHiRV2464Ai-1Y | AD         |          | J             | R1EV24064ASAS0I   |
| IC3301                               | Not Available  | -          |          | -             | MT5396SGDJ (Please replace the MAIN PWB when it is necessary to replace this IC.)         |
| IC3302                               | VHi13A1C12U-1Y | AC         |          | J             | S-13A1C12-U5T1U3  |
| IC3303                               | VHi3411A33N-1Y | AC         |          | J             | MM3411A33NRE  |
| IC3501                               | RH-iXD682WJQZQ | AQ         |          | J             | K4B2G1646Q-BCMA   |
| IC3502                               | RH-iXD682WJQZQ | AQ         |          | J             | K4B2G1646Q-BCMA   |
| IC3503                               | RH-iXD682WJQZQ | AQ         |          | J             | K4B2G1646Q-BCMA   |
| IC3504                               | RH-iXD682WJQZQ | AQ         |          | J             | K4B2G1646Q-BCMA   |
| IC3802                               | VHiTC7WB66C-1Y | AC         |          | J             | TC7WB66FK,LF(A  |
| IC3805                               | VHiTC7WB66C-1Y | AC         |          | J             | TC7WB66FK,LF(A  |
| IC9501                               | VHiPS2553DB-1Y | AE         |          | J             | TPS2553DBVR   |
| IC9502                               | VHiBD2246G+-1Y | AD         |          | J             | BD2246G-GTR   |
| IC9601                               | VHiTPS54227-1Y | AF         |          | J             | TPS54227DDAR  |
| IC9602                               | VHi3464A33N-1Y | AC         |          | J             | MM3464A33NRE  |
| IC9603                               | VHiTPS54429-1Y | AH         |          | J             | TPS54229PWPR  |
| IC9604                               | VHiTPS54227-1Y | AF         |          | J             | TPS54227DDAR  |
| IC9605                               | VHi3411A33N-1Y | AC         |          | J             | MM3411A33NRE  |
| IC9606                               | VHiTPS54227-1Y | AF         |          | J             | TPS54227DDAR  |
| IC9607                               | VHiTPS54527-1Y | AK         |          | J             | TPS54527DDAR  |
| J501                                 | QJAKEA111WJQZY | AD         |          | J             | Jack  |
| J504                                 | QJAKEA115WJQZQ | AE         |          | J             | Jack  |
| J510                                 | QJAKZA137WJQZ  | AH         |          | J             | Jack  |
| J9401                                | QJAKZA128WJQZQ | AF         |          | J             | Jack  |
| J9501                                | QSOCZA265WJQZY | AE         |          | J             | Socket  |
| J9502                                | QSOCZA265WJQZY | AE         |          | J             | Socket  |
| L1107                                | VPDER100MR36NY | AC         |          | J             | Peaking 10µH  |
| L1502                                | VPMTN1R0JR35NY | AA         |          | J             | Peaking 1µH   |
| L1705                                | RciLPB014WJQZY | AC         |          | J             | Coil  |
| L1706                                | RciLPB014WJQZY | AC         |          | J             | Coil  |
| L1707                                | RciLPB014WJQZY | AC         |          | J             | Coil  |
| L1708                                | RciLPB014WJQZY | AC         |          | J             | Coil  |
| L1709                                | RciLPB014WJQZY | AC         |          | J             | Coil  |
| L1710                                | RciLPB014WJQZY | AC         |          | J             | Coil  |
| L1901                                | VPDER100MR36NY | AC         |          | J             | Peaking 10µH  |
| L2501                                | RciLFA405WJQZY | AB         |          | J             | Coil  |
| L2502                                | RciLFA405WJQZY | AB         |          | J             | Coil  |
| L2503                                | RciLFA405WJQZY | AB         |          | J             | Coil  |
| L2504                                | RciLFA405WJQZY | AB         |          | J             | Coil  |
| L2601                                | RciLFA294WJZZY | AB         |          | J             | Coil  |
| L2602                                | RciLFA294WJZZY | AB         |          | J             | Coil  |
| L2603                                | RciLFA294WJZZY | AB         |          | J             | Coil  |
| L2604                                | RciLFA294WJZZY | AB         |          | J             | Coil  |
| L3801                                | RciLFA405WJQZY | AB         |          | J             | Coil  |
| L3802                                | RciLFA405WJQZY | AB         |          | J             | Coil  |
| L3803                                | RciLFA405WJQZY | AB         |          | J             | Coil  |
| L3804                                | RciLFA405WJQZY | AB         |          | J             | Coil  |
| L9501                                | RciLFA154WJZZY | AC         |          | J             | Coil  |
| L9502                                | RciLFA154WJZZY | AC         |          | J             | Coil  |
| L9503                                | RciLFA154WJZZY | AC         |          | J             | Coil  |
| L9504                                | RciLFA154WJZZY | AC         |          | J             | Coil  |
| L9601                                | RciLPB409WJQZY | AC         |          | J             | Coil  |
| L9602                                | RciLPB201WJQZY | AD         |          | J             | Coil  |
| L9603                                | RciLPB409WJQZY | AC         |          | J             | Coil  |
| L9604                                | RciLPB409WJQZY | AC         |          | J             | Coil  |
| L9605                                | RciLPB011WJQZY | AC         |          | J             | Coil  |
| P1903                                | QPLGNB242WJZZY | AD         |          | J             | Plug  |
| P1904                                | QPLGNB239WJZZY | AC         |          | J             | Plug  |
| P2001                                | QPLGNB265WJZZY | AC         |          | J             | Plug  |
| P2501                                | QPLGNB068WJZZY | AB         |          | X             | Plug  |
| P3801                                | QPLGNB001WJZZ  | AE         |          | J             | Plug  |
| P9504                                | QPLGNB256WJZZY | AA         |          | X             | Plug  |
| P9505                                | QPLGNB255WJZZY | AA         |          | X             | Plug  |
| Q505                                 | VSLTC014EEB-1Y | AB         |          | J             | LTC014EEBFS8TL  |
| Q1502                                | VSLTC014YEB-1Y | AA         |          | J             | LTC014YEBFS8TL  |
| Q1503                                | VSFC654601+-1Y | AC         |          | J             | FC6546010R  |
| Q1504                                | VSLTC014YEB-1Y | AA         |          | J             | LTC014YEBFS8TL  |
| Q1505                                | VSKTA2014EY-1Y | AB         |          | J             | KTA2014EY-RTK   |
| Q1506                                | VSFC654601+-1Y | AC         |          | J             | FC6546010R  |
| Q1507                                | VSUM6K33N+-1Y  | AC         |          | J             | UM6K33NTN   |
| Q1508                                | VSLTC014YEB-1Y | AA         |          | J             | LTC014YEBFS8TL  |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                  |
|--------------------------------------|----------------|------------|----------|---------------|------------------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |                              |
| Q1509                                | VSFC654601+-1Y | AC         |          | J             | FC6546010R                   |
| Q1510                                | VSRN4982///-1Y | AB         |          | J             | RN4982(TE85L,F)              |
| Q1511                                | VSLTC014YEB-1Y | AA         |          | J             | LTC014YEBFS8TL               |
| Q1512                                | VSLTC014YEB-1Y | AA         |          | J             | LTC014YEBFS8TL               |
| Q1602                                | VSLTC014YEB-1Y | AA         |          | J             | LTC014YEBFS8TL               |
| Q1701                                | VSRN1702///-1Y | AC         |          | J             | RN1702(TE85L,F)              |
| Q1702                                | VSRN1702///-1Y | AC         |          | J             | RN1702(TE85L,F)              |
| Q2001                                | VSLTC014EEB-1Y | AB         |          | J             | LTC014EEBFS8TL               |
| Q2004                                | VSRN4985///-1Y | AB         |          | J             | RN4985(T5L,F,T)              |
| Q2006                                | VSLTC014EEB-1Y | AB         |          | J             | LTC014EEBFS8TL               |
| Q2007                                | VSLTC014EEB-1Y | AB         |          | J             | LTC014EEBFS8TL               |
| Q2009                                | VSLTC014EEB-1Y | AB         |          | J             | LTC014EEBFS8TL               |
| Q2012                                | VSRN4982///-1Y | AB         |          | J             | RN4982(TE85L,F)              |
| Q2502                                | VSLTC014YEB-1Y | AA         |          | J             | LTC014YEBFS8TL               |
| Q2503                                | VSKTA1535T+-1Y | AC         |          | J             | KTA1535T-RTK/P               |
| Q2504                                | VSLTC014YEB-1Y | AA         |          | J             | LTC014YEBFS8TL               |
| Q2505                                | VSLTC014YEB-1Y | AA         |          | J             | LTC014YEBFS8TL               |
| Q2601                                | VSFC654601+-1Y | AC         |          | J             | FC6546010R                   |
| Q2603                                | VSKTA1535T+-1Y | AC         |          | J             | KTA1535T-RTK/P               |
| Q2604                                | VSLTC014YEB-1Y | AA         |          | J             | LTC014YEBFS8TL               |
| Q2605                                | VSLTC014YEB-1Y | AA         |          | J             | LTC014YEBFS8TL               |
| Q3801                                | VSLTC014EEB-1Y | AB         |          | J             | LTC014EEBFS8TL               |
| Q9601                                | VSRN4982///-1Y | AB         |          | J             | RN4982(TE85L,F)              |
| Q9602                                | VSRN4982///-1Y | AB         |          | J             | RN4982(TE85L,F)              |
| Q9603                                | VSRN4982///-1Y | AB         |          | J             | RN4982(TE85L,F)              |
| Q9604                                | VSLTC014EEB-1Y | AB         |          | J             | LTC014EEBFS8TL               |
| R501                                 | VRK-SB1FF101JY | AA         |          | J             | 100 1/32W Metal Composition  |
| R502                                 | VRK-SA1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Composition |
| R503                                 | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R505                                 | VRS-TQ2EF750JY | AA         |          | J             | 75 1/4W Metal Oxide          |
| R506                                 | VRS-TQ2EF750JY | AA         |          | J             | 75 1/4W Metal Oxide          |
| R507                                 | VRS-TQ2EF750JY | AA         |          | J             | 75 1/4W Metal Oxide          |
| R509                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R510                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R511                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R512                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R513                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R515                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R517                                 | VRK-SB1FF104JY | AD         |          | J             | 100k 1/32W Metal Composition |
| R519                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R520                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R521                                 | VRK-SB1FF104JY | AD         |          | J             | 100k 1/32W Metal Composition |
| R522                                 | VRS-CZ1JF221JY | AA         |          | J             | 220 1/16W Metal Oxide        |
| R523                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R524                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R525                                 | VRK-SB1FF104JY | AD         |          | J             | 100k 1/32W Metal Composition |
| R526                                 | VRK-SB1FF104JY | AD         |          | J             | 100k 1/32W Metal Composition |
| R531                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R533                                 | VRS-CZ1JF221JY | AA         |          | J             | 220 1/16W Metal Oxide        |
| R534                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R536                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R538                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R539                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R540                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R572                                 | VRK-SB1FF103JY | AA         |          | J             | 10k 1/32W Metal Composition  |
| R576                                 | VRS-CY1JF180JY | AA         |          | J             | 18 1/16W Metal Oxide         |
| R577                                 | VRS-CY1JF180JY | AA         |          | J             | 18 1/16W Metal Oxide         |
| R578                                 | VRS-CY1JF180JY | AA         |          | J             | 18 1/16W Metal Oxide         |
| R579                                 | VRS-TQ2EF750JY | AA         |          | J             | 75 1/4W Metal Oxide          |
| R580                                 | VRS-TQ2EF750JY | AA         |          | J             | 75 1/4W Metal Oxide          |
| R583                                 | VRS-TQ2EF560JY | AA         |          | J             | 56 1/4W Metal Oxide          |
| R584                                 | VRS-TQ2EF560JY | AA         |          | J             | 56 1/4W Metal Oxide          |
| R585                                 | VRS-TQ2EF560JY | AA         |          | J             | 56 1/4W Metal Oxide          |
| R586                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R587                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R588                                 | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R590                                 | VRS-TQ2EF330JY | AB         |          | J             | 33 1/4W Metal Oxide          |
| R591                                 | VRK-SB1FF104JY | AD         |          | J             | 100k 1/32W Metal Composition |
| R592                                 | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide         |
| R593                                 | VRS-TQ2EF330JY | AB         |          | J             | 33 1/4W Metal Oxide          |
| R602                                 | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R604                                 | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide       |
| R606                                 | VRS-TQ2EF101JY | AA         |          | J             | 100 1/4W Metal Oxide         |
| R607                                 | VRS-TQ2EF101JY | AA         |          | J             | 100 1/4W Metal Oxide         |
| R608                                 | VRS-TV1JD101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R609                                 | VRS-TV1JD101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R613                                 | VRS-TV1JD101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R615                                 | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R620                                 | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R1101                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R1102                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1103                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R1104                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R1151                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R1501                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                 |
|--------------------------------------|----------------|------------|----------|---------------|-----------------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |                             |
| R1502                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R1503                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide       |
| R1505                                | VRS-CZ1JF243FY | AA         |          | J             | 24k 1/16W Metal Oxide       |
| R1506                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide       |
| R1507                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide      |
| R1508                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide      |
| R1509                                | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide      |
| R1510                                | VRK-SA1JF103JY | AB         |          | J             | 10k 1/16W Metal Composition |
| R1511                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide      |
| R1512                                | VRS-CZ1JF304JY | AB         |          | J             | 300k 1/16W Metal Oxide      |
| R1515                                | VRK-SA1JF473JY | AC         |          | J             | 47k 1/16W Metal Composition |
| R1516                                | VRK-SA1JF473JY | AC         |          | J             | 47k 1/16W Metal Composition |
| R1517                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R1518                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R1519                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R1520                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R1521                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R1522                                | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide      |
| R1523                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R1524                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide       |
| R1525                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R1527                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R1528                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R1529                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R1530                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R1537                                | VRK-SA1JF473JY | AC         |          | J             | 47k 1/16W Metal Composition |
| R1538                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R1545                                | VRS-CZ1JF273JY | AA         |          | J             | 27k 1/16W Metal Oxide       |
| R1551                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide       |
| R1556                                | VRS-CZ1JF474JY | AA         |          | J             | 470k 1/16W Metal Oxide      |
| R1601                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide       |
| R1602                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide       |
| R1605                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide       |
| R1702                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R1703                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R1704                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R1705                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition   |
| R1706                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R1707                                | VRS-CZ1JF105JY | AA         |          | J             | 1M 1/16W Metal Oxide        |
| R1708                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R1709                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R1710                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R1711                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R1712                                | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R1755                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R1756                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide       |
| R1758                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide       |
| R1767                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R1769                                | VRS-CZ1JF153JY | AA         |          | J             | 15k 1/16W Metal Oxide       |
| R1771                                | VRS-CZ1JF683JY | AA         |          | J             | 68k 1/16W Metal Oxide       |
| R1773                                | VRS-CZ1JF333JY | AA         |          | J             | 33k 1/16W Metal Oxide       |
| R1777                                | VRS-CY2AF000JY | AA         |          | X             | 0 1/10w Metal Oxide         |
| R1778                                | VRS-CY2AF000JY | AA         |          | X             | 0 1/10w Metal Oxide         |
| R1779                                | VRS-CY2AF000JY | AA         |          | X             | 0 1/10w Metal Oxide         |
| R1780                                | VRS-CY2AF000JY | AA         |          | X             | 0 1/10w Metal Oxide         |
| R1853                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R1901                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R1902                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R1903                                | VRS-CZ1JF153JY | AA         |          | J             | 15k 1/16W Metal Oxide       |
| R1904                                | VRS-CZ1JF563JY | AA         |          | J             | 56k 1/16W Metal Oxide       |
| R1905                                | VRS-CZ1JF512JY | AA         |          | J             | 5.1k 1/16W Metal Oxide      |
| R1906                                | VRS-CZ1JF822FY | AA         |          | J             | 8.2k 1/16W Metal Oxide      |
| R1907                                | VRS-CZ1JF223JY | AA         |          | J             | 22k 1/16W Metal Oxide       |
| R1908                                | VRS-CZ1JF153JY | AA         |          | J             | 15k 1/16W Metal Oxide       |
| R1909                                | VRS-CZ1JF563JY | AA         |          | J             | 56k 1/16W Metal Oxide       |
| R1911                                | VRS-CZ1JF563JY | AA         |          | J             | 56k 1/16W Metal Oxide       |
| R2003                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R2004                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R2007                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R2010                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R2011                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R2013                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R2015                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R2016                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R2020                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R2021                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R2023                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R2024                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R2025                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R2027                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R2028                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R2030                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R2031                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R2032                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R2033                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                  |
|--------------------------------------|----------------|------------|----------|---------------|------------------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |                              |
| R2034                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2036                                | VRS-CZ1JF273JY | AA         |          | J             | 27k 1/16W Metal Oxide        |
| R2039                                | VRK-SA1JF182JY | AC         |          | J             | 1.8k 1/16W Metal Composition |
| R2041                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition   |
| R2043                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2045                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R2046                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2047                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2048                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2051                                | VRK-SA1JF221JY | AE         |          | J             | 220 1/16W Metal Composition  |
| R2054                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2055                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2056                                | VRS-CZ1JF221JY | AA         |          | J             | 220 1/16W Metal Oxide        |
| R2062                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2064                                | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide       |
| R2066                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2067                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2068                                | VRS-CZ1JF273JY | AA         |          | J             | 27k 1/16W Metal Oxide        |
| R2069                                | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition   |
| R2070                                | VRK-SB1FF103JY | AA         |          | J             | 10k 1/32W Metal Composition  |
| R2071                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2072                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2074                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2075                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2078                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R2080                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2082                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide        |
| R2083                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R2091                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2092                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2099                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2154                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R2501                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R2502                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R2503                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R2504                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R2505                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R2506                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2508                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2509                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2510                                | VRS-CZ1JF512JY | AA         |          | J             | 5.1k 1/16W Metal Oxide       |
| R2511                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2512                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R2513                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R2514                                | VRS-CZ1JF304JY | AB         |          | J             | 300k 1/16W Metal Oxide       |
| R2515                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R2516                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2518                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2520                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2524                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2525                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2526                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2528                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2529                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2530                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2531                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2532                                | VRK-SA1JF101JY | AC         |          | J             | 100 1/16W Metal Composition  |
| R2533                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2543                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2545                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2546                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2547                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2548                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2549                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2550                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R2551                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide       |
| R2601                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2602                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2603                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2604                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2605                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2606                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2607                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2608                                | VRS-CZ1JF5R1JY | AA         |          | J             | 5.1 1/16W Metal Oxide        |
| R2609                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2610                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R2611                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R2612                                | VRS-CZ1JF512JY | AA         |          | J             | 5.1k 1/16W Metal Oxide       |
| R2613                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2614                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2615                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2616                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2617                                | VRK-SA1JF101JY | AC         |          | J             | 100 1/16W Metal Composition  |
| R2618                                | VRK-SA1JF101JY | AC         |          | J             | 100 1/16W Metal Composition  |
| R2619                                | VRK-SA1JF101JY | AC         |          | J             | 100 1/16W Metal Composition  |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                  |
|--------------------------------------|----------------|------------|----------|---------------|------------------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |                              |
| R2620                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2621                                | VRK-SA1JF101JY | AC         |          | J             | 100 1/16W Metal Composition  |
| R2622                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2623                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2624                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2625                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2626                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2629                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2639                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2643                                | VRS-CZ1JF512JY | AA         |          | J             | 5.1k 1/16W Metal Oxide       |
| R2646                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R2649                                | VRS-CZ1JF512JY | AA         |          | J             | 5.1k 1/16W Metal Oxide       |
| R2651                                | VRS-CZ1JF512JY | AA         |          | J             | 5.1k 1/16W Metal Oxide       |
| R2653                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R2662                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R2663                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R2664                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R3101                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3102                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3103                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3104                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide         |
| R3105                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3107                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R3108                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3109                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3110                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide        |
| R3111                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R3112                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R3113                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3118                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3119                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3120                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R3121                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition   |
| R3122                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition   |
| R3124                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3132                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R3133                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide       |
| R3139                                | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition   |
| R3160                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3301                                | VRS-CZ1JF331FY | AA         |          | J             | 330 1/16W Metal Oxide        |
| R3302                                | VRS-CZ1JF331FY | AA         |          | J             | 330 1/16W Metal Oxide        |
| R3303                                | VRS-CZ1JF243FY | AA         |          | J             | 24k 1/16W Metal Oxide        |
| R3305                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R3311                                | VRS-CZ1JF243FY | AA         |          | J             | 24k 1/16W Metal Oxide        |
| R3312                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R3313                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide       |
| R3314                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R3315                                | VRS-CZ1JF105JY | AA         |          | J             | 1M 1/16W Metal Oxide         |
| R3316                                | VRS-CZ1JF151JY | AA         |          | J             | 150 1/16W Metal Oxide        |
| R3317                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3320                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3322                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3323                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3324                                | VRK-SB1FF103JY | AA         |          | J             | 10k 1/32W Metal Composition  |
| R3325                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R3326                                | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition   |
| R3327                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3328                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3329                                | VRK-SA1JF221JY | AE         |          | J             | 220 1/16W Metal Composition  |
| R3331                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide         |
| R3332                                | VRK-SA1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Composition |
| R3333                                | VRK-SA1JF221JY | AE         |          | J             | 220 1/16W Metal Composition  |
| R3334                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3336                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3337                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3338                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3339                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3340                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide        |
| R3341                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide         |
| R3347                                | VRK-SA1JF182JY | AC         |          | J             | 1.8k 1/16W Metal Composition |
| R3348                                | VRK-SA1JF102JY | AB         |          | J             | 1k 1/16W Metal Composition   |
| R3349                                | VRK-SA1JF222JY | AB         |          | J             | 2.2k 1/16W Metal Composition |
| R3350                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide         |
| R3351                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide        |
| R3352                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide         |
| R3353                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide          |
| R3354                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide         |
| R3356                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide         |
| R3357                                | VRS-CZ1JF221JY | AA         |          | J             | 220 1/16W Metal Oxide        |
| R3358                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide         |
| R3361                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide        |
| R3362                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide        |
| R3363                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide        |
| R3364                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide        |
| R3365                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide        |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                 |
|--------------------------------------|----------------|------------|----------|---------------|-----------------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |                             |
| R3366                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R3367                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R3368                                | VRS-CZ1JF303JY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R3374                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3375                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide        |
| R3376                                | VRK-SA1JF103JY | AB         |          | J             | 10k 1/16W Metal Composition |
| R3377                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide        |
| R3378                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3383                                | VRS-CZ1JF223JY | AA         |          | J             | 22k 1/16W Metal Oxide       |
| R3384                                | VRS-CZ1JF223JY | AA         |          | J             | 22k 1/16W Metal Oxide       |
| R3387                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3388                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3389                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3397                                | VRK-SA1JF103JY | AB         |          | J             | 10k 1/16W Metal Composition |
| R3398                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3399                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3400                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3401                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3405                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3419                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3420                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3423                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R3425                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide      |
| R3428                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide        |
| R3429                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide        |
| R3430                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3431                                | VRS-CZ1JF680JY | AB         |          | J             | 68 1/16W Metal Oxide        |
| R3432                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3434                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3435                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3448                                | VRS-CZ1JF750JY | AA         |          | J             | 75 1/16W Metal Oxide        |
| R3451                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R3454                                | VRS-CZ1JF273JY | AA         |          | J             | 27k 1/16W Metal Oxide       |
| R3461                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R3464                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3465                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3481                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3498                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R3499                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R3501                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3502                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3503                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3504                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3505                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3506                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3507                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3508                                | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R3509                                | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide       |
| R3510                                | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide       |
| R3511                                | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide       |
| R3512                                | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide       |
| R3651                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition   |
| R3652                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition   |
| R3653                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3654                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3655                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3656                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3657                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3658                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3659                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3660                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3661                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3662                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3664                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3665                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3666                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3667                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3668                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3669                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3670                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3671                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3672                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3673                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R3674                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3675                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3676                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3677                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3678                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3679                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3680                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3681                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3682                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3683                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide        |
| R3685                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |
| R3686                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition  |

| NO.                                  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                |
|--------------------------------------|----------------|------------|----------|---------------|----------------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b> |                |            |          |               |                            |
| R3687                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition |
| R3688                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition |
| R3689                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition |
| R3690                                | VRK-SB1FF470JY | AA         |          | J             | 47 1/32W Metal Composition |
| R3691                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition  |
| R3692                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition  |
| R3804                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R3806                                | VRS-CZ1JF470JY | AA         |          | J             | 47 1/16W Metal Oxide       |
| R3807                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R3808                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R3809                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R3812                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R3815                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R3816                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R3819                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R3822                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide      |
| R3835                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R3838                                | VRS-CZ1JF105JY | AA         |          | J             | 1M 1/16W Metal Oxide       |
| R3843                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide     |
| R3848                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R3854                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide      |
| R3855                                | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide      |
| R3856                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R3873                                | VRS-TQ2EF000JY | AB         |          | J             | 0 1/4W Metal Oxide         |
| R3874                                | VRS-TQ2EF000JY | AB         |          | J             | 0 1/4W Metal Oxide         |
| R3875                                | VRS-TQ2EF000JY | AB         |          | J             | 0 1/4W Metal Oxide         |
| R9405                                | VRS-CZ1JF750FY | AA         |          | J             | 75 1/16W Metal Oxide       |
| R9406                                | VRS-CZ1JF750FY | AA         |          | J             | 75 1/16W Metal Oxide       |
| R9407                                | VRS-CZ1JF750FY | AA         |          | J             | 75 1/16W Metal Oxide       |
| R9408                                | VRS-CZ1JF750FY | AA         |          | J             | 75 1/16W Metal Oxide       |
| R9501                                | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide     |
| R9502                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R9505                                | VRS-CZ1JF393JY | AA         |          | J             | 39k 1/16W Metal Oxide      |
| R9506                                | VRS-CZ1JF273JY | AA         |          | J             | 27k 1/16W Metal Oxide      |
| R9507                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition  |
| R9508                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R9511                                | VRK-SA1JF000JY | AB         |          | J             | 0 1/16W Metal Composition  |
| R9556                                | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R9558                                | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide     |
| R9601                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9602                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R9603                                | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide     |
| R9604                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9605                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9606                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R9607                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9608                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R9609                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide     |
| R9611                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9612                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R9613                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9615                                | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R9616                                | VRS-CZ1JF223FY | AA         |          | J             | 22k 1/16W Metal Oxide      |
| R9617                                | VRS-CZ1JF223FY | AA         |          | J             | 22k 1/16W Metal Oxide      |
| R9618                                | VRS-CZ1JF223FY | AA         |          | J             | 22k 1/16W Metal Oxide      |
| R9619                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R9620                                | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R9621                                | VRS-CZ1JF683FY | AA         |          | J             | 68k 1/16W Metal Oxide      |
| R9622                                | VRS-CZ1JF562JY | AA         |          | J             | 5.6k 1/16W Metal Oxide     |
| R9623                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R9624                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R9626                                | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R9627                                | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide     |
| R9628                                | VRS-CZ1JF223FY | AA         |          | J             | 22k 1/16W Metal Oxide      |
| R9629                                | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R9630                                | VRS-CZ1JF683FY | AA         |          | J             | 68k 1/16W Metal Oxide      |
| R9631                                | VRS-CZ1JF822FY | AA         |          | J             | 8.2k 1/16W Metal Oxide     |
| R9632                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| R9633                                | VRS-CZ1JF473FY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R9634                                | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| SC501                                | QSOCNB116WJQZ  | AG         |          | J             | Socket                     |
| SC504                                | QSOCNB115WJQZ  | AF         |          | J             | Socket                     |
| SC1501                               | QSOCZA321WJQZY | AD         |          | J             | Socket                     |
| SC1502                               | QSOCZA321WJQZY | AD         |          | J             | Socket                     |
| SC1503                               | QSOCZA321WJQZY | AD         |          | J             | Socket                     |
| SC1504                               | QSOCZA321WJQZY | AD         |          | J             | Socket                     |
| SC3801                               | QCNCWA671WJQZY | AH         |          | J             | Connector                  |
| SG1501                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2               |
| SG1502                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2               |
| SG1503                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2               |
| SG1504                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2               |
| SG1505                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2               |
| SG1506                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2               |
| SG1507                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2               |
| SG1508                               | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2               |

| NO.  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION          |
|--|----------------|------------|----------|---------------|----------------------|
| <b>[8] DUNTKG382FM01 (MAIN Unit)</b>           |                |            |          |               |                      |
| SG1509   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1510   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1511   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1512   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1513   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1514   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1515   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1516   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1517   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1518   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1519   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1520   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1521   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1522   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1523   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1524   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1532   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1542   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1543   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1544   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1545   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1546   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1547   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1548   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| SG1549   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| T9401  | RTRNZ143WJQZY  | AF         |          | J             | Transformer          |
| TH2001   | VHHM1103J15-1Y | AB         |          | J             | Thermistor           |
| TU1104   | RTUDAA083WJQZ  | AM         |          | X             | Tuner                |
| VA501  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA502  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA503  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA511  | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| VA512  | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| VA513  | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| VA514  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA515  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA521  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA522  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA523  | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| VA524  | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| VA525  | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| VA526  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA527  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA528  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA529  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA530  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA531  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA532  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA533  | RH-VXA236WJZZY | AA         |          | J             | SDV1005H180C120NPT   |
| VA9501   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| VA9502   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| VA9503   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| VA9504   | RH-VXA238WJQZY | AA         |          | J             | CDS2C05HDMI2         |
| X1701  | RCRSCA276WJQZY | AC         |          | J             | Crystal              |
| X3301  | RCRSCA278WJQZY | AE         |          | J             | Crystal              |
| <b>[9] DUNTKG400FM01/02 (LCD CONTROL Unit)</b> |                |            |          |               |                      |
| C4801  | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C4823  | VCAAAU1DJ127MY | AH         |          | J             | 120 20V Electrolytic |
| C4824  | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C4825  | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C5002  | RC-KZA520WJQZY | AA         |          | J             | Capacitor            |
| C5003  | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C5004  | RC-KZA520WJQZY | AA         |          | J             | Capacitor            |
| C5005  | RC-KZA115WJZZY | AB         |          | J             | Capacitor            |
| C5006  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5007  | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C5009  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5016  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5017  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5027  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5036  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5037  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5046  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5047  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5049  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5052  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5055  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5057  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5061  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5062  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5065  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5067  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5069  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C5071  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |

| NO.  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION       |
|--|----------------|------------|----------|---------------|-------------------|
| <b>[9] DUNTKG400FM01/02 (LCD CONTROL Unit)</b> |                |            |          |               |                   |
| C5802  | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C5803  | VCCCCZ1HH8R0DY | AA         |          | J             | 8p 50V Ceramic    |
| C5804  | VCCCCZ1HH8R0DY | AA         |          | J             | 8p 50V Ceramic    |
| C5805  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5806  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5807  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5808  | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5810  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5811  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5812  | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5813  | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5814  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5815  | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5817  | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5818  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5819  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5823  | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5824  | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5825  | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5826  | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5827  | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5828  | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5829  | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C5830  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5831  | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5832  | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C5834  | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5836  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5838  | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5840  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5842  | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5844  | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5845  | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5846  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5847  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5848  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5849  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5850  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5851  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5852  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5853  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5864  | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5865  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5867  | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5868  | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C5869  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5870  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5872  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5874  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5875  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5881  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5884  | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5885  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5886  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5887  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5888  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5889  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5890  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5891  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5892  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5893  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5894  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5895  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5896  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5897  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5898  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5899  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5902  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5903  | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C5904  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5905  | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C5906  | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C5907  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5908  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5909  | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C5910  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5911  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5912  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5914  | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C6201  | VCKYCY1HB104KY | AA         |          | J             | 0.1 50V Ceramic   |
| C6203  | VCKYCY1CB683KY | AC         |          | J             | 0.068 16V Ceramic |
| C6204  | RC-KZA621WJQZY | AA         |          | J             | Capacitor         |
| C6205  | VCKYCY1HB104KY | AA         |          | J             | 0.1 50V Ceramic   |
| C6206  | VCKYCY1HB104KY | AA         |          | J             | 0.1 50V Ceramic   |
| C6207  | RC-KZA805WJQZY | AB         |          | J             | Capacitor         |

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|--|-----------------|------------|----------|---------------|----------------------|
| <b>[9] DUNTKG400FM01/02 (LCD CONTROL Unit)</b> |                 |            |          |               |                      |
| C6208  | RC-KZA805WJQZY  | AB         |          | J             | Capacitor            |
| C6209  | RC-KZA805WJQZY  | AB         |          | J             | Capacitor            |
| C6210  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6211  | RC-KZA621WJQZY  | AA         |          | J             | Capacitor            |
| C6212  | RC-KZA805WJQZY  | AB         |          | J             | Capacitor            |
| C6213  | RC-KZA805WJQZY  | AB         |          | J             | Capacitor            |
| C6214  | RC-KZA805WJQZY  | AB         |          | J             | Capacitor            |
| C6215  | RC-KZA805WJQZY  | AB         |          | J             | Capacitor            |
| C6216  | RC-KZA805WJQZY  | AB         |          | J             | Capacitor            |
| C6217  | RC-KZA216WJZZY  | AC         |          | J             | Capacitor            |
| C6220  | VCKY CZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic     |
| C6221  | VCKY CZ1AB683KY | AB         |          | J             | 0.068 10V Ceramic    |
| C6223  | RC-KZA214WJZZY  | AD         |          | J             | Capacitor            |
| C6224  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6225  | VCKY CY1HB152KY | AA         |          | J             | 1500p 50V Ceramic    |
| C6226  | RC-KZA214WJZZY  | AD         |          | J             | Capacitor            |
| C6227  | VCCCCZ1HH390JY  | AB         |          | J             | 39p 50V Ceramic      |
| C6228  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6229  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6230  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6233  | VCCCCZ1HH120JY  | AB         |          | J             | 12p 50V Ceramic      |
| C6234  | RC-KZA214WJZZY  | AD         |          | J             | Capacitor            |
| C6235  | RC-KZA214WJZZY  | AD         |          | J             | Capacitor            |
| C6236  | VCCCCZ1HH101JY  | AB         |          | J             | 100p 50V Ceramic     |
| C6237  | RC-KZA214WJZZY  | AD         |          | J             | Capacitor            |
| C6238  | VCCCCZ1HH220JY  | AB         |          | J             | 22p 50V Ceramic      |
| C6239  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6240  | RC-KZA832WJZZY  | AB         |          | J             | Capacitor            |
| C6241  | VCKY CZ1HB471KY | AB         |          | J             | 470p 50V Ceramic     |
| C6242  | RC-KZA832WJZZY  | AB         |          | J             | Capacitor            |
| C6243  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6245  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6246  | VCKY CZ1HB222KY | AB         |          | J             | 2200p 50V Ceramic    |
| C6247  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6248  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6250  | VCCCCZ1HH330JY  | AB         |          | J             | 33p 50V Ceramic      |
| C6252  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6256  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6257  | VCAAAU1DJ127MY  | AH         |          | J             | 120 20V Electrolytic |
| C6259  | VCKY CZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic    |
| C6261  | RC-KZA520WJQZY  | AA         |          | J             | Capacitor            |
| C6262  | VCKY CZ1HB222KY | AB         |          | J             | 2200p 50V Ceramic    |
| C6263  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6264  | RC-KZA805WJQZY  | AB         |          | J             | Capacitor            |
| C6265  | RC-KZA214WJZZY  | AD         |          | J             | Capacitor            |
| C6266  | RC-KZA214WJZZY  | AD         |          | J             | Capacitor            |
| C6267  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6269  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6270  | VCKY CZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C6271  | RC-KZA621WJQZY  | AA         |          | J             | Capacitor            |
| C6276  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6278  | VCAAPG1CJ396MY  | AD         |          | J             | 39 16V Electrolytic  |
| C6280  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6281  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6282  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6284  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6285  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6291  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6294  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6295  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6326  | RC-KZA832WJZZY  | AB         |          | J             | Capacitor            |
| C6327  | RC-KZA832WJZZY  | AB         |          | J             | Capacitor            |
| C6802  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6803  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6804  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6805  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6807  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6808  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6809  | RC-KZA621WJQZY  | AA         |          | J             | Capacitor            |
| C6810  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6811  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6813  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6816  | RC-KZA805WJQZY  | AB         |          | J             | Capacitor            |
| C6818  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6823  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6824  | RC-KZA805WJQZY  | AB         |          | J             | Capacitor            |
| C6827  | VCCCCZ1HH101JY  | AB         |          | J             | 100p 50V Ceramic     |
| C6830  | VCCCCZ1HH101JY  | AB         |          | J             | 100p 50V Ceramic     |
| C6831  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6832  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6833  | RC-KZA805WJQZY  | AB         |          | J             | Capacitor            |
| C6835  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6837  | RC-KZA620WJZZY  | AA         |          | J             | Capacitor            |
| C6838  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |
| C6839  | RC-KZA510WJPZY  | AB         |          | J             | Capacitor            |

| NO.  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION  |
|--|----------------|------------|----------|---------------|--|
| <b>[9] DUNTKG400FM01/02 (LCD CONTROL Unit)</b> |                |            |          |               |  |
| C6840  | RC-KZA510WJPZY | AB         |          | J             | Capacitor  |
| C6841  | RC-KZA620WJZZY | AA         |          | J             | Capacitor  |
| C6842  | RC-KZA510WJPZY | AB         |          | J             | Capacitor  |
| C6844  | RC-KZA510WJPZY | AB         |          | J             | Capacitor  |
| C6851  | RC-KZA848WJZZY | AB         |          | J             | Capacitor  |
| C6852  | RC-KZA848WJZZY | AB         |          | J             | Capacitor  |
| C6853  | RC-KZA848WJZZY | AB         |          | J             | Capacitor  |
| CN5301   | QCNCWA902WJZZY | AG         |          | J             | Connector  |
| CN5302   | QCNCWA902WJZZY | AG         |          | J             | Connector  |
| D6202  | VHDDA1010+-1Y  | AA         |          | J             | DA2J10100L   |
| D6205  | VHDRB055L30-1Y | AC         |          | J             | RB055L-30TE25  |
| D6206  | RH-EXA722WJQZY | AB         |          | J             | DZ2J160M0L   |
| D6207  | VHDRB552EA+-1Y | AC         |          | J             | RB552EATR  |
| D6208  | VHDRB552EA+-1Y | AC         |          | J             | RB552EATR  |
| D6210  | VHDRB552EA+-1Y | AC         |          | J             | RB552EATR  |
| D6211  | VHDRB055L30-1Y | AC         |          | J             | RB055L-30TE25  |
| D6214  | VHDDA1010+-1Y  | AA         |          | J             | DA2J10100L   |
| FB4801   | RBLN-A561WJQZY | AB         |          | J             | Ferrite Bead   |
| FB5801   | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5802   | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5803   | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5804   | RBLN-A206WJZZY | AA         |          | J             | Ferrite Bead   |
| FB5805   | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5807   | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5808   | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5809   | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5810   | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5811   | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5812   | RBLN-A206WJZZY | AA         |          | J             | Ferrite Bead   |
| FB5821   | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FB5829   | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5830   | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FB5831   | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FB5832   | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FB5833   | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FB5834   | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FB5835   | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FL5001   | RFILNA119WJZZY | AC         |          | J             | Filter   |
| FL5002   | RFILNA119WJZZY | AC         |          | J             | Filter   |
| FL5003   | RFILNA119WJZZY | AC         |          | J             | Filter   |
| FL5004   | RFILNA119WJZZY | AC         |          | J             | Filter   |
| FL5005   | RFILNA119WJZZY | AC         |          | J             | Filter   |
| FL5006   | RFILNA119WJZZY | AC         |          | J             | Filter   |
| FL5801   | RFILNA119WJZZY | AC         |          | J             | Filter   |
| FL5802   | RFILNA119WJZZY | AC         |          | J             | Filter   |
| FL5803   | RFILNA119WJZZY | AC         |          | J             | Filter   |
| FL5804   | RFILNA119WJZZY | AC         |          | J             | Filter   |
| FL5805   | RFILNA119WJZZY | AC         |          | J             | Filter   |
| FL5807   | RFILNA119WJZZY | AC         |          | J             | Filter   |
| IC5001   | VHIBD3539NU-1Y | AG         |          | J             | BD3539NUX-TR   |
| IC5002   | RH-ID406WJQZQ  | AL         |          | J             | K4B1G1646G-BCK0  |
| IC5003   | RH-ID406WJQZQ  | AL         |          | J             | K4B1G1646G-BCK0  |
| IC5801   | RH-ID668WJQZQ  | BC         |          | X             | HX6521-A   |
| IC5806   | VHIPST8429U-1Y | AC         |          | J             | IC-PST8429UR   |
| IC5807   | Not Available  | -          |          | -             | W25Q16DVSSIG (Please replace the LCD CONTROL PWB when it is necessary to replace this IC.) |
| IC6201   | VHIBD81002+-1Y | AP         |          | J             | BD81002MUV-E2  |
| IC6204   | VHIPQ200WNA-1Y | AG         |          | J             | PQ200WNA1ZPH   |
| IC6205   | VHIPST8429U-1Y | AC         |          | J             | IC-PST8429UR   |
| IC6207   | VHIBD81014+-1Y | AM         |          | J             | BD81014MUV-E2  |
| IC6208   | VH13A1C25E-1Y  | AD         |          | J             | S-13A1C25-E6T1U3   |
| IC6209   | VHIBU55041+-1Y | AF         |          | J             | BU55041HFN-TR-TR   |
| IC6210   | VHISN201004-1Y | AE         |          | J             | SN1101004DDAR  |
| IC6801   | VHIMAX9650+-1Y | AF         |          | J             | MAX9650ATA+TC93  |
| IC6802   | VHIBD8125MU-1Y | AQ         |          | J             | BD8125MUV-E2   |
| L6202  | RCILPB012WJQZY | AC         |          | J             | Coil   |
| L6204  | RCILPB155WJQZY | AD         |          | J             | Coil   |
| L6205  | RCILPB410WJQZY | AC         |          | J             | Coil   |
| L6206  | RCILPB408WJQZY | AA         |          | X             | Coil   |
| P4804  | QPLGNB241WJZZY | AC         |          | J             | Plug   |
| Q5804  | VSLTC044EEB-1Y | AB         |          | J             | LTC044EEBFS8TL   |
| Q5807  | VSLTC044EEB-1Y | AB         |          | J             | LTC044EEBFS8TL   |
| Q6203  | VSLTC044TEB-1Y | AB         |          | J             | LTC044TEBFS8TL   |
| Q6208  | VS2SD1664Q+-1Y | AC         |          | J             | 2SD1664T100Q   |
| Q6209  | VS2SB1132Q/-1Y | AC         |          | J             | 2SB1132T100Q   |
| Q6211  | VSAO4629+++1Y  | AD         |          | J             | AO4629   |
| Q6308  | VSAO6405+++1Y  | AD         |          | J             | AO6405   |
| Q6801  | VS2SD1664Q+-1Y | AC         |          | J             | 2SD1664T100Q   |
| Q6802  | VS2SB1132Q/-1Y | AC         |          | J             | 2SB1132T100Q   |
| Q6803  | VS2SD1664Q+-1Y | AC         |          | J             | 2SD1664T100Q   |
| Q6804  | VS2SB1132Q/-1Y | AC         |          | J             | 2SB1132T100Q   |
| Q6805  | VS2SD1664Q+-1Y | AC         |          | J             | 2SD1664T100Q   |
| Q6806  | VS2SB1132Q/-1Y | AC         |          | J             | 2SB1132T100Q   |
| Q6807  | VS2SD1664Q+-1Y | AC         |          | J             | 2SD1664T100Q   |
| Q6808  | VS2SB1132Q/-1Y | AC         |          | J             | 2SB1132T100Q   |

| NO.  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION               |
|--|----------------|------------|----------|---------------|---------------------------|
| <b>[9] DUNTKG400FM01/02 (LCD CONTROL Unit)</b> |                |            |          |               |                           |
| R4801  | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide     |
| R4802  | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide      |
| R4803  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4807  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4808  | VRS-CZ1JF332JY | AA         |          | J             | 3.3k 1/16W Metal Oxide    |
| R4809  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4810  | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide    |
| R4817  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4819  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4824  | VRS-CZ1JF332JY | AA         |          | J             | 3.3k 1/16W Metal Oxide    |
| R4825  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4827  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4829  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4830  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4833  | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide     |
| R4841  | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide     |
| R4842  | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide      |
| R4846  | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide     |
| R4852  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4880  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R4881  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R4883  | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide     |
| R4887  | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide     |
| R4895  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R4896  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4897  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R5001  | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide    |
| R5002  | VRS-CZ1JF221JY | AA         |          | J             | 220 1/16W Metal Oxide     |
| R5003  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5004  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5005  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5006  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5007  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5008  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5009  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5010  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5011  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5012  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5015  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5016  | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide     |
| R5018  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5019  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5020  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5021  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5022  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5023  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5024  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5025  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5026  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5027  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5029  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5030  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5031  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5032  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5033  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5034  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5036  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5037  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5038  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5040  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5041  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5042  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5043  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5044  | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5045  | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide     |
| R5046  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5047  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5048  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5049  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5050  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5051  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5052  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5053  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5054  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5055  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5056  | VRS-CZ1JF220FY | AB         |          | J             | 22 1/16W Metal Oxide      |
| R5057  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5058  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5059  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5060  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5061  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5062  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5063  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5064  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5065  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |

| NO.  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                 |
|--|----------------|------------|----------|---------------|-----------------------------|
| <b>[9] DUNTKG400FM01/02 (LCD CONTROL Unit)</b> |                |            |          |               |                             |
| R5067  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5068  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5071  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5072  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5075  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5076  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5077  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5078  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5083  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5084  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5085  | VRS-CZ1JF220FY | AB         |          | J             | 22 1/16W Metal Oxide        |
| R5087  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5088  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5089  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5090  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5091  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5092  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5093  | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5312  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5313  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5314  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5315  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5316  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5317  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5318  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5319  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5320  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5321  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5322  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5323  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5324  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5325  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5326  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5327  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5328  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5329  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5330  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5331  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5332  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5333  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5334  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5335  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5336  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5337  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5338  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5339  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5340  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5341  | RCiLFA157WJZZY | AC         |          | J             | Coil                        |
| R5344  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5345  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5350  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5351  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5801  | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R5802  | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5803  | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5804  | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R5807  | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5808  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5811  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5813  | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5814  | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5815  | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R5816  | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition  |
| R5818  | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5819  | VRS-CZ1JF105JY | AA         |          | J             | 1M 1/16W Metal Oxide        |
| R5820  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5822  | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5824  | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5826  | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5829  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5830  | VRK-SB1FF103JY | AA         |          | J             | 10k 1/32W Metal Composition |
| R5831  | VRK-SB1FF220JY | AA         |          | J             | 22 1/32W Metal Composition  |
| R5833  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5834  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5835  | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition  |
| R5836  | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition  |
| R5841  | VRK-SB1FF220JY | AA         |          | J             | 22 1/32W Metal Composition  |
| R5842  | VRK-SB1FF220JY | AA         |          | J             | 22 1/32W Metal Composition  |
| R5843  | VRK-SB1FF220JY | AA         |          | J             | 22 1/32W Metal Composition  |
| R5844  | VRS-CZ1JF331JY | AA         |          | J             | 330 1/16W Metal Oxide       |
| R5845  | VRS-CZ1JF331JY | AA         |          | J             | 330 1/16W Metal Oxide       |
| R5846  | VRS-CZ1JF331JY | AA         |          | J             | 330 1/16W Metal Oxide       |
| R5847  | VRS-CZ1JF331JY | AA         |          | J             | 330 1/16W Metal Oxide       |
| R5848  | VRS-CZ1JF330JY | AA         |          | J             | 33 1/16W Metal Oxide        |
| R5849  | VRS-CZ1JF330JY | AA         |          | J             | 33 1/16W Metal Oxide        |

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|--|----------------|------------|----------|---------------|-----------------------------|
| <b>[9] DUNTKG400FM01/02 (LCD CONTROL Unit)</b> |                |            |          |               |                             |
| R5850  | VRS-CZ1JF331JY | AA         |          | J             | 330 1/16W Metal Oxide       |
| R5851  | VRS-CZ1JF331JY | AA         |          | J             | 330 1/16W Metal Oxide       |
| R5852  | VRS-CZ1JF330JY | AA         |          | J             | 33 1/16W Metal Oxide        |
| R5855  | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R5856  | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide       |
| R5857  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5858  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5859  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5860  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5861  | VRK-SB1FF103JY | AA         |          | J             | 10k 1/32W Metal Composition |
| R5873  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5886  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5887  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5889  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5890  | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5891  | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5892  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5893  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5894  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5895  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5898  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5900  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R6204  | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide      |
| R6205  | VRS-TV1JD103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R6207  | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide      |
| R6209  | VRS-TV1JD1R5JY | AA         |          | J             | 1.5 1/16W Metal Oxide       |
| R6211  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6212  | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6213  | VRS-CZ1JF334FY | AA         |          | J             | 330k 1/16W Metal Oxide      |
| R6214  | RR-NZA199WJQZY | AC         |          | J             | Resistor                    |
| R6215  | VRS-TV1JD2R7JY | AA         |          | J             | 2.7 1/16W Metal Oxide       |
| R6221  | VRS-TV2BD150JY | AA         |          | J             | 15 1/8W Metal Oxide         |
| R6223  | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide       |
| R6224  | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition  |
| R6226  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6227  | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide       |
| R6229  | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide       |
| R6230  | VRS-CZ1JF104FY | AB         |          | J             | 100k 1/16W Metal Oxide      |
| R6231  | VRS-CZ1JF203FY | AA         |          | J             | 20k 1/16W Metal Oxide       |
| R6232  | VRS-CZ1JF123FY | AA         |          | J             | 12k 1/16W Metal Oxide       |
| R6233  | VRS-CZ1JF183FY | AA         |          | J             | 18k 1/16W Metal Oxide       |
| R6234  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6235  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6237  | VRS-CZ1JF104FY | AB         |          | J             | 100k 1/16W Metal Oxide      |
| R6238  | VRS-CZ1JF203FY | AA         |          | J             | 20k 1/16W Metal Oxide       |
| R6239  | VRS-CY1JF562JY | AA         |          | J             | 5.6k 1/16W Metal Oxide      |
| R6240  | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6241  | VRS-CY1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide      |
| R6242  | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide      |
| R6243  | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6244  | VRS-CY1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide      |
| R6245  | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide      |
| R6247  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6248  | VRS-CZ1JF204DY | AA         |          | J             | 200k 1/16W Metal Oxide      |
| R6249  | VRS-CZ1JF274DY | AA         |          | J             | 270k 1/16W Metal Oxide      |
| R6250  | VRS-CZ1JF333FY | AA         |          | J             | 33k 1/16W Metal Oxide       |
| R6251  | VRS-CZ1JF123FY | AA         |          | J             | 12k 1/16W Metal Oxide       |
| R6252  | VRS-CZ1JF134FY | AB         |          | J             | 130k 1/16W Metal Oxide      |
| R6253  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6254  | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide       |
| R6256  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R6257  | VRS-CY1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R6258  | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide      |
| R6259  | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide       |
| R6260  | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide      |
| R6261  | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide      |
| R6262  | VRS-CZ1JF332JY | AA         |          | J             | 3.3k 1/16W Metal Oxide      |
| R6263  | VRS-TQ2BD332JY | AB         |          | J             | 3.3k 1/8W Metal Oxide       |
| R6264  | VRS-TV1JD100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R6266  | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6267  | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6268  | VRS-CZ1JF202FY | AA         |          | J             | 2.0k 1/16W Metal Oxide      |
| R6269  | VRS-CZ1JF183FY | AA         |          | J             | 18k 1/16W Metal Oxide       |
| R6270  | VRS-CZ1JF134FY | AB         |          | J             | 130k 1/16W Metal Oxide      |
| R6271  | VRS-CZ1JF303FY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R6272  | VRS-CZ1JF113FY | AA         |          | J             | 11k 1/16W Metal Oxide       |
| R6273  | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6274  | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition  |
| R6275  | VRS-CZ1JF222FY | AA         |          | J             | 2.2k 1/16W Metal Oxide      |
| R6277  | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition  |
| R6278  | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6281  | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R6282  | VRS-CZ1JF562FY | AA         |          | J             | 5.6k 1/16W Metal Oxide      |
| R6283  | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R6284  | VRS-CZ1JF222FY | AA         |          | J             | 2.2k 1/16W Metal Oxide      |

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|---|----------------|------------|----------|---------------|----------------------------|
| <b>[9] DUNTKG400FM01/02 (LCD CONTROL Unit)</b>  |                |            |          |               |                            |
| R6285   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R6287   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R6288   | VRS-TW2ED000JY | AB         |          | J             | 0 1/4W Metal Oxide         |
| R6291   | VRS-CZ1JF224FY | AA         |          | J             | 220k 1/16W Metal Oxide     |
| R6292   | VRS-CZ1JF184FY | AA         |          | J             | 180k 1/16W Metal Oxide     |
| R6294   | VRS-CZ1JF223FY | AA         |          | J             | 22k 1/16W Metal Oxide      |
| R6295   | VRS-CZ1JF183FY | AA         |          | J             | 18k 1/16W Metal Oxide      |
| R6296   | VRS-CZ1JF332JY | AA         |          | J             | 3.3k 1/16W Metal Oxide     |
| R6301   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R6303   | VRS-TQ2BD1R0JY | AA         |          | J             | 1 1/8W Metal Oxide         |
| R6304   | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R6305   | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R6306   | VRS-CZ1JF333FY | AA         |          | J             | 33k 1/16W Metal Oxide      |
| R6308   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R6314   | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition |
| R6318   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6327   | VRS-TW2HF3R3JY | AA         |          | J             | 3.3 1/2W Metal Oxide       |
| R6362   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition |
| R6363   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition |
| R6801   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6810   | VRS-CY1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| R6811   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6812   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6813   | VRS-CY1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| R6814   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R6815   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6816   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6817   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6818   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6819   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6820   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6821   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6822   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6824   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6826   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6833   | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R6836   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6837   | VRS-CY1JF1R0JY | AA         |          | J             | 1 1/16W Metal Oxide        |
| R6839   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6841   | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R6842   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6843   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6844   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6845   | VRS-TW2HF000JY | AA         |          | J             | 0 1/2W Metal Oxide         |
| R6846   | VRS-CM2HF3R3JY | AA         |          | X             | 3.3 1/2W Metal Oxide       |
| R6847   | VRS-CM2HF3R3JY | AA         |          | X             | 3.3 1/2W Metal Oxide       |
| R6848   | VRS-TW2HF000JY | AA         |          | J             | 0 1/2W Metal Oxide         |
| R6849   | VRS-CZ1JF471JY | AA         |          | J             | 470 1/16W Metal Oxide      |
| R6850   | VRS-CZ1JF471JY | AA         |          | J             | 470 1/16W Metal Oxide      |
| R6851   | VRS-CZ1JF471JY | AA         |          | J             | 470 1/16W Metal Oxide      |
| R6852   | VRS-CZ1JF471JY | AA         |          | J             | 470 1/16W Metal Oxide      |
| R6853   | VRS-CY1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| R6854   | VRS-CY1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| R6855   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6860   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition |
| R6861   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition |
| R6862   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition |
| SC4801  | QCNCWA671WJQZY | AH         |          | J             | Connector                  |
| SC5301  | QCNCWA801WJZZY | AG         |          | J             | Connector                  |
| SC5302  | QCNCWA801WJZZY | AG         |          | J             | Connector                  |
| X5801   | RCRSCA243WJZZY | AE         |          | J             | Crystal                    |
| <b>[10] DUNTKG400FM10/11 (LCD CONTROL Unit)</b> |                |            |          |               |                            |
| C4801   | RC-KZA620WJZZY | AA         |          | J             | Capacitor                  |
| C4823   | VCAAAU1DJ127MY | AH         |          | J             | 120 20V Electrolytic       |
| C4824   | RC-KZA620WJZZY | AA         |          | J             | Capacitor                  |
| C4825   | RC-KZA620WJZZY | AA         |          | J             | Capacitor                  |
| C5002   | RC-KZA520WJQZY | AA         |          | J             | Capacitor                  |
| C5003   | RC-KZA510WJPZY | AB         |          | J             | Capacitor                  |
| C5004   | RC-KZA520WJQZY | AA         |          | J             | Capacitor                  |
| C5005   | RC-KZA115WJZZY | AB         |          | J             | Capacitor                  |
| C5006   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |
| C5007   | RC-KZA510WJPZY | AB         |          | J             | Capacitor                  |
| C5009   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |
| C5016   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |
| C5017   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |
| C5027   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |
| C5036   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |
| C5037   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |
| C5046   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |
| C5047   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |
| C5049   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |
| C5052   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |
| C5055   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |
| C5057   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic            |

| NO.   | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION       |
|---|----------------|------------|----------|---------------|-------------------|
| <b>[10] DUNTKG400FM10/11 (LCD CONTROL Unit)</b> |                |            |          |               |                   |
| C5061   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5062   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5065   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5067   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5069   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5071   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5802   | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C5803   | VCCCCZ1HH8R0DY | AA         |          | J             | 8p 50V Ceramic    |
| C5804   | VCCCCZ1HH8R0DY | AA         |          | J             | 8p 50V Ceramic    |
| C5805   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5806   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5807   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5808   | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5810   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5811   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5812   | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5813   | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5814   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5815   | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5817   | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5818   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5819   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5823   | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5824   | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5825   | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5826   | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5827   | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5828   | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5829   | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C5830   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5831   | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5832   | VCKYCZ1HB102KY | AB         |          | J             | 1000p 50V Ceramic |
| C5834   | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5836   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5838   | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5840   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5842   | RC-KZA510WJPZY | AB         |          | J             | Capacitor         |
| C5844   | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5845   | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5846   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5847   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5848   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5849   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5850   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5851   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5852   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5853   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5864   | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5865   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5867   | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5868   | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C5869   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5870   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5872   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5874   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5875   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5881   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5884   | RC-KZA116WJZZY | AC         |          | J             | Capacitor         |
| C5885   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5886   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5887   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5888   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5889   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5890   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5891   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5892   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5893   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5894   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5895   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5896   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5897   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5898   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5899   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5902   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5903   | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C5904   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5905   | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C5906   | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C5907   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5908   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5909   | VCKYCZ1EB103KY | AA         |          | J             | 0.01 25V Ceramic  |
| C5910   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5911   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5912   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |
| C5914   | VCKYCZ1AB104KY | AB         |          | J             | 0.1 10V Ceramic   |

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|---|----------------|------------|----------|---------------|----------------------|
| <b>[10] DUNTKG400FM10/11 (LCD CONTROL Unit)</b> |                |            |          |               |                      |
| C6201   | VCKYCY1HB104KY | AA         |          | J             | 0.1 50V Ceramic      |
| C6203   | VCKYCY1CB683KY | AC         |          | J             | 0.068 16V Ceramic    |
| C6204   | RC-KZA621WJQZY | AA         |          | J             | Capacitor            |
| C6205   | VCKYCY1HB104KY | AA         |          | J             | 0.1 50V Ceramic      |
| C6206   | VCKYCY1HB104KY | AA         |          | J             | 0.1 50V Ceramic      |
| C6207   | RC-KZA805WJQZY | AB         |          | J             | Capacitor            |
| C6208   | RC-KZA805WJQZY | AB         |          | J             | Capacitor            |
| C6209   | RC-KZA805WJQZY | AB         |          | J             | Capacitor            |
| C6210   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6211   | RC-KZA621WJQZY | AA         |          | J             | Capacitor            |
| C6212   | RC-KZA805WJQZY | AB         |          | J             | Capacitor            |
| C6213   | RC-KZA805WJQZY | AB         |          | J             | Capacitor            |
| C6214   | RC-KZA805WJQZY | AB         |          | J             | Capacitor            |
| C6215   | RC-KZA805WJQZY | AB         |          | J             | Capacitor            |
| C6216   | RC-KZA805WJQZY | AB         |          | J             | Capacitor            |
| C6217   | RC-KZA216WJZZY | AC         |          | J             | Capacitor            |
| C6220   | VCKYCY1EB103KY | AA         |          | J             | 0.01 25V Ceramic     |
| C6221   | VCKYCY1AB683KY | AB         |          | J             | 0.068 10V Ceramic    |
| C6223   | RC-KZA214WJZZY | AD         |          | J             | Capacitor            |
| C6224   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6225   | VCKYCY1HB152KY | AA         |          | J             | 1500p 50V Ceramic    |
| C6226   | RC-KZA214WJZZY | AD         |          | J             | Capacitor            |
| C6227   | VCCCCZ1HH390JY | AB         |          | J             | 39p 50V Ceramic      |
| C6228   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6229   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6230   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6233   | VCCCCZ1HH120JY | AB         |          | J             | 12p 50V Ceramic      |
| C6234   | RC-KZA214WJZZY | AD         |          | J             | Capacitor            |
| C6235   | RC-KZA214WJZZY | AD         |          | J             | Capacitor            |
| C6236   | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic     |
| C6237   | RC-KZA214WJZZY | AD         |          | J             | Capacitor            |
| C6238   | VCCCCZ1HH220JY | AB         |          | J             | 22p 50V Ceramic      |
| C6239   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6240   | RC-KZA832WJZZY | AB         |          | J             | Capacitor            |
| C6241   | VCKYCY1HB471KY | AB         |          | J             | 470p 50V Ceramic     |
| C6242   | RC-KZA832WJZZY | AB         |          | J             | Capacitor            |
| C6243   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6245   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6246   | VCKYCY1HB222KY | AB         |          | J             | 2200p 50V Ceramic    |
| C6247   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6248   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6250   | VCCCCZ1HH330JY | AB         |          | J             | 33p 50V Ceramic      |
| C6252   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6256   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6257   | VCAAAU1DJ127MY | AH         |          | J             | 120 20V Electrolytic |
| C6259   | VCKYCY1HB102KY | AB         |          | J             | 1000p 50V Ceramic    |
| C6261   | RC-KZA520WJQZY | AA         |          | J             | Capacitor            |
| C6262   | VCKYCY1HB222KY | AB         |          | J             | 2200p 50V Ceramic    |
| C6263   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6264   | RC-KZA805WJQZY | AB         |          | J             | Capacitor            |
| C6265   | RC-KZA214WJZZY | AD         |          | J             | Capacitor            |
| C6266   | RC-KZA214WJZZY | AD         |          | J             | Capacitor            |
| C6267   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6269   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6270   | VCKYCY1AB104KY | AB         |          | J             | 0.1 10V Ceramic      |
| C6271   | RC-KZA621WJQZY | AA         |          | J             | Capacitor            |
| C6276   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6278   | VCAAPG1CJ396MY | AD         |          | J             | 39 16V Electrolytic  |
| C6280   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6281   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6282   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6284   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6285   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6291   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6294   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6295   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6326   | RC-KZA832WJZZY | AB         |          | J             | Capacitor            |
| C6327   | RC-KZA832WJZZY | AB         |          | J             | Capacitor            |
| C6802   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6803   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6804   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6805   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6807   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6808   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6809   | RC-KZA621WJQZY | AA         |          | J             | Capacitor            |
| C6810   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6811   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6813   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6816   | RC-KZA805WJQZY | AB         |          | J             | Capacitor            |
| C6818   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |
| C6823   | RC-KZA510WJPZY | AB         |          | J             | Capacitor            |
| C6824   | RC-KZA805WJQZY | AB         |          | J             | Capacitor            |
| C6827   | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic     |
| C6830   | VCCCCZ1HH101JY | AB         |          | J             | 100p 50V Ceramic     |
| C6831   | RC-KZA620WJZZY | AA         |          | J             | Capacitor            |

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|---|----------------|------------|----------|---------------|--|
| <b>[10] DUNTKG400FM10/11 (LCD CONTROL Unit)</b> |                |            |          |               |  |
| C6832   | RC-KZA620WJZZY | AA         |          | J             | Capacitor  |
| C6833   | RC-KZA805WJQZY | AB         |          | J             | Capacitor  |
| C6835   | RC-KZA510WJPZY | AB         |          | J             | Capacitor  |
| C6837   | RC-KZA620WJZZY | AA         |          | J             | Capacitor  |
| C6838   | RC-KZA510WJPZY | AB         |          | J             | Capacitor  |
| C6839   | RC-KZA510WJPZY | AB         |          | J             | Capacitor  |
| C6840   | RC-KZA510WJPZY | AB         |          | J             | Capacitor  |
| C6841   | RC-KZA620WJZZY | AA         |          | J             | Capacitor  |
| C6842   | RC-KZA510WJPZY | AB         |          | J             | Capacitor  |
| C6844   | RC-KZA510WJPZY | AB         |          | J             | Capacitor  |
| C6851   | RC-KZA848WJZZY | AB         |          | J             | Capacitor  |
| C6852   | RC-KZA848WJZZY | AB         |          | J             | Capacitor  |
| C6853   | RC-KZA848WJZZY | AB         |          | J             | Capacitor  |
| CN5301  | QCNCWA902WJZZY | AG         |          | J             | Connector  |
| CN5302  | QCNCWA902WJZZY | AG         |          | J             | Connector  |
| D6202   | VHDDA1010+-1Y  | AA         |          | J             | DA2J10100L   |
| D6205   | VHDRB055L30-1Y | AC         |          | J             | RB055L-30TE25  |
| D6206   | RH-EXA722WJQZY | AB         |          | J             | DZ2J160M0L   |
| D6207   | VHDRB552EA+-1Y | AC         |          | J             | RB552EATR  |
| D6208   | VHDRB552EA+-1Y | AC         |          | J             | RB552EATR  |
| D6210   | VHDRB552EA+-1Y | AC         |          | J             | RB552EATR  |
| D6211   | VHDRB055L30-1Y | AC         |          | J             | RB055L-30TE25  |
| D6214   | VHDDA1010+-1Y  | AA         |          | J             | DA2J10100L   |
| FB4801  | RBLN-A561WJQZY | AB         |          | J             | Ferrite Bead   |
| FB5801  | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5802  | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5803  | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5804  | RBLN-A206WJZZY | AA         |          | J             | Ferrite Bead   |
| FB5805  | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5807  | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5808  | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5809  | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5810  | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5811  | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5812  | RBLN-A206WJZZY | AA         |          | J             | Ferrite Bead   |
| FB5821  | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FB5829  | RBLN-A379WJQZY | AA         |          | J             | Ferrite Bead   |
| FB5830  | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FB5831  | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FB5832  | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FB5833  | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FB5834  | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FB5835  | RBLN-A597WJQZY | AA         |          | X             | Ferrite Bead   |
| FL5001  | RFiLNA119WJZZY | AC         |          | J             | Filter   |
| FL5002  | RFiLNA119WJZZY | AC         |          | J             | Filter   |
| FL5003  | RFiLNA119WJZZY | AC         |          | J             | Filter   |
| FL5004  | RFiLNA119WJZZY | AC         |          | J             | Filter   |
| FL5005  | RFiLNA119WJZZY | AC         |          | J             | Filter   |
| FL5006  | RFiLNA119WJZZY | AC         |          | J             | Filter   |
| FL5801  | RFiLNA119WJZZY | AC         |          | J             | Filter   |
| FL5802  | RFiLNA119WJZZY | AC         |          | J             | Filter   |
| FL5803  | RFiLNA119WJZZY | AC         |          | J             | Filter   |
| FL5804  | RFiLNA119WJZZY | AC         |          | J             | Filter   |
| FL5805  | RFiLNA119WJZZY | AC         |          | J             | Filter   |
| FL5807  | RFiLNA119WJZZY | AC         |          | J             | Filter   |
| IC5001  | VHiBD3539NU-1Y | AG         |          | J             | BD3539NUX-TR   |
| IC5002  | RH-iXD406WJQZQ | AL         |          | J             | K4B1G1646G-BCK0  |
| IC5003  | RH-iXD406WJQZQ | AL         |          | J             | K4B1G1646G-BCK0  |
| IC5801  | RH-iXD668WJQZQ | BC         |          | X             | HX6521-A   |
| IC5806  | VHiPST8429U-1Y | AC         |          | J             | IC-PST8429UR   |
| IC5807  | Not Available  | -          |          | -             | W25Q16DVSSIG (Please replace the LCD CONTROL PWB when it is necessary to replace this IC.) |
| IC6201  | VHiBD81002+-1Y | AP         |          | J             | BD81002MUV-E2  |
| IC6204  | VHiPQ200WNA-1Y | AG         |          | J             | PQ200WNA1ZPH   |
| IC6205  | VHiPST8429U-1Y | AC         |          | J             | IC-PST8429UR   |
| IC6207  | VHiBD81014+-1Y | AM         |          | J             | BD81014MUV-E2  |
| IC6208  | VHi13A1C25E-1Y | AD         |          | J             | S-13A1C25-E6T1U3   |
| IC6209  | VHiBU55041+-1Y | AF         |          | J             | BU55041HFN-TR-TR   |
| IC6210  | VHiSN201004-1Y | AE         |          | J             | SN1101004DDAR  |
| IC6801  | VHiMAX9650+-1Y | AF         |          | J             | MAX9650ATA+TC93  |
| IC6802  | VHiBD8125MU-1Y | AQ         |          | J             | BD8125MUV-E2   |
| L6202   | RCLPB012WJQZY  | AC         |          | J             | Coil   |
| L6204   | RCLPB155WJQZY  | AD         |          | J             | Coil   |
| L6205   | RCLPB410WJQZY  | AC         |          | J             | Coil   |
| L6206   | RCLPB408WJQZY  | AA         |          | X             | Coil   |
| P4804   | QPLGNB241WJZZY | AC         |          | J             | Plug   |
| Q5804   | VSLTC044EEB-1Y | AB         |          | J             | LTC044EEBFS8TL   |
| Q5807   | VSLTC044EEB-1Y | AB         |          | J             | LTC044EEBFS8TL   |
| Q6203   | VSLTC044TEB-1Y | AB         |          | J             | LTC044TEBFS8TL   |
| Q6208   | VS2SD1664Q+-1Y | AC         |          | J             | 2SD1664T100Q   |
| Q6209   | VS2SB1132Q/-1Y | AC         |          | J             | 2SB1132T100Q   |
| Q6211   | VSAO4629+++1Y  | AD         |          | J             | AO4629   |
| Q6308   | VSAO6405+++1Y  | AD         |          | J             | AO6405   |
| Q6801   | VS2SD1664Q+-1Y | AC         |          | J             | 2SD1664T100Q   |
| Q6802   | VS2SB1132Q/-1Y | AC         |          | J             | 2SB1132T100Q   |

| NO.   | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION               |
|---|----------------|------------|----------|---------------|---------------------------|
| <b>[10] DUNTKG400FM10/11 (LCD CONTROL Unit)</b> |                |            |          |               |                           |
| Q6803   | VS2SD1664Q+-1Y | AC         |          | J             | 2SD1664T100Q              |
| Q6804   | VS2SB1132Q/-1Y | AC         |          | J             | 2SB1132T100Q              |
| Q6805   | VS2SD1664Q+-1Y | AC         |          | J             | 2SD1664T100Q              |
| Q6806   | VS2SB1132Q/-1Y | AC         |          | J             | 2SB1132T100Q              |
| Q6807   | VS2SD1664Q+-1Y | AC         |          | J             | 2SD1664T100Q              |
| Q6808   | VS2SB1132Q/-1Y | AC         |          | J             | 2SB1132T100Q              |
| R4801   | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide     |
| R4802   | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide      |
| R4803   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4807   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4808   | VRS-CZ1JF332JY | AA         |          | J             | 3.3k 1/16W Metal Oxide    |
| R4809   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4810   | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide    |
| R4817   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4819   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4824   | VRS-CZ1JF332JY | AA         |          | J             | 3.3k 1/16W Metal Oxide    |
| R4825   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4827   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4829   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4830   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4833   | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide     |
| R4841   | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide     |
| R4842   | VRS-CZ1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide      |
| R4846   | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide     |
| R4852   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4880   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R4881   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R4883   | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide     |
| R4887   | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide     |
| R4895   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R4896   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R4897   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide     |
| R5001   | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide    |
| R5002   | VRS-CZ1JF221JY | AA         |          | J             | 220 1/16W Metal Oxide     |
| R5003   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5004   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5005   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5006   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide      |
| R5007   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide      |
| R5008   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5009   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5010   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide      |
| R5011   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide      |
| R5012   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5015   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5016   | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide     |
| R5018   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5019   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5020   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5021   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5022   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5023   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5024   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5025   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5026   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5027   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5029   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5030   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5031   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5032   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5033   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5034   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5036   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5037   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5038   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5040   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5041   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5042   | VRS-CZ1JF470FY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5043   | VRS-CZ1JF100JY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5044   | VRS-CZ1JF100JY | AA         |          | J             | 47 1/16W Metal Oxide      |
| R5045   | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide     |
| R5046   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5047   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5048   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5049   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5050   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5051   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide      |
| R5052   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide      |
| R5053   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide      |
| R5054   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide      |
| R5055   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide       |
| R5056   | VRS-CZ1JF220FY | AB         |          | J             | 22 1/16W Metal Oxide      |
| R5057   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5058   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |
| R5059   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition |

| NO.   | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                 |
|---|----------------|------------|----------|---------------|-----------------------------|
| <b>[10] DUNTKG400FM10/11 (LCD CONTROL Unit)</b> |                |            |          |               |                             |
| R5060   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5061   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5062   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5063   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5064   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5065   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5067   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5068   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5071   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5072   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5075   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5076   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5077   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5078   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5083   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5084   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5085   | VRS-CZ1JF220FY | AB         |          | J             | 22 1/16W Metal Oxide        |
| R5087   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5088   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5089   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5090   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5091   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5092   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5093   | VRK-SB1FF000JY | AA         |          | J             | 0 1/32W Metal Composition   |
| R5312   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5313   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5314   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5315   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5316   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5317   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5318   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5319   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5320   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5321   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5322   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5323   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5324   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5325   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5326   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5327   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5328   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5329   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5330   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5331   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5332   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5333   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5334   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5335   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5336   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5337   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5338   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5339   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5340   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5341   | RCiLFA157WJZZY | AC         | -        | J             | Coil                        |
| R5344   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5345   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5350   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5351   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5801   | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R5802   | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5803   | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5804   | VRS-CZ1JF101JY | AA         |          | J             | 100 1/16W Metal Oxide       |
| R5807   | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5808   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5811   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5813   | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5814   | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5815   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R5816   | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition  |
| R5818   | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5819   | VRS-CZ1JF105JY | AA         |          | J             | 1M 1/16W Metal Oxide        |
| R5820   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5822   | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5824   | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5826   | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5829   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5830   | VRK-SB1FF103JY | AA         |          | J             | 10k 1/32W Metal Composition |
| R5831   | VRK-SB1FF220JY | AA         |          | J             | 22 1/32W Metal Composition  |
| R5833   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5834   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5835   | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition  |
| R5836   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition  |
| R5841   | VRK-SB1FF220JY | AA         |          | J             | 22 1/32W Metal Composition  |
| R5842   | VRK-SB1FF220JY | AA         |          | J             | 22 1/32W Metal Composition  |
| R5843   | VRK-SB1FF220JY | AA         |          | J             | 22 1/32W Metal Composition  |

| NO.   | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                 |
|---|----------------|------------|----------|---------------|-----------------------------|
| <b>[10] DUNTKG400FM10/11 (LCD CONTROL Unit)</b> |                |            |          |               |                             |
| R5844   | VRS-CZ1JF331JY | AA         |          | J             | 330 1/16W Metal Oxide       |
| R5845   | VRS-CZ1JF331JY | AA         |          | J             | 330 1/16W Metal Oxide       |
| R5846   | VRS-CZ1JF331JY | AA         |          | J             | 330 1/16W Metal Oxide       |
| R5847   | VRS-CZ1JF331JY | AA         |          | J             | 330 1/16W Metal Oxide       |
| R5848   | VRS-CZ1JF330JY | AA         |          | J             | 33 1/16W Metal Oxide        |
| R5849   | VRS-CZ1JF330JY | AA         |          | J             | 33 1/16W Metal Oxide        |
| R5850   | VRS-CZ1JF331JY | AA         |          | J             | 330 1/16W Metal Oxide       |
| R5851   | VRS-CZ1JF331JY | AA         |          | J             | 330 1/16W Metal Oxide       |
| R5852   | VRS-CZ1JF330JY | AA         |          | J             | 33 1/16W Metal Oxide        |
| R5855   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R5856   | VRS-CZ1JF241FY | AB         |          | J             | 240 1/16W Metal Oxide       |
| R5857   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5858   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5859   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5860   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R5861   | VRK-SB1FF103JY | AA         |          | J             | 10k 1/32W Metal Composition |
| R5873   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5886   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5887   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5889   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5890   | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5891   | VRS-CZ1JF472JY | AA         |          | J             | 4.7k 1/16W Metal Oxide      |
| R5892   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5893   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5894   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5895   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R5898   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R5900   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R6204   | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide      |
| R6205   | VRS-TV1JD103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R6207   | VRS-CZ1JF222JY | AA         |          | J             | 2.2k 1/16W Metal Oxide      |
| R6209   | VRS-TV1JD1R5JY | AA         |          | J             | 1.5 1/16W Metal Oxide       |
| R6211   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6212   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6213   | VRS-CZ1JF334FY | AA         |          | J             | 330k 1/16W Metal Oxide      |
| R6214   | RR-NZA199WJQZY | AC         |          | J             | Resistor                    |
| R6215   | VRS-TV1JD2R7JY | AA         |          | J             | 2.7 1/16W Metal Oxide       |
| R6221   | VRS-TV2BD150JY | AA         |          | J             | 15 1/8W Metal Oxide         |
| R6223   | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide       |
| R6224   | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition  |
| R6226   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6227   | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide       |
| R6229   | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide       |
| R6230   | VRS-CZ1JF104FY | AB         |          | J             | 100k 1/16W Metal Oxide      |
| R6231   | VRS-CZ1JF203FY | AA         |          | J             | 20k 1/16W Metal Oxide       |
| R6232   | VRS-CZ1JF123FY | AA         |          | J             | 12k 1/16W Metal Oxide       |
| R6233   | VRS-CZ1JF183FY | AA         |          | J             | 18k 1/16W Metal Oxide       |
| R6234   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6235   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6237   | VRS-CZ1JF104FY | AB         |          | J             | 100k 1/16W Metal Oxide      |
| R6238   | VRS-CZ1JF203FY | AA         |          | J             | 20k 1/16W Metal Oxide       |
| R6239   | VRS-CY1JF562JY | AA         |          | J             | 5.6k 1/16W Metal Oxide      |
| R6240   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6241   | VRS-CY1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide      |
| R6242   | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide      |
| R6243   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6244   | VRS-CY1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide      |
| R6245   | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide      |
| R6247   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6248   | VRS-CZ1JF204DY | AA         |          | J             | 200k 1/16W Metal Oxide      |
| R6249   | VRS-CZ1JF304DY | AA         |          | J             | 270k 1/16W Metal Oxide      |
| R6250   | VRS-CZ1JF153FY | AA         |          | J             | 33k 1/16W Metal Oxide       |
| R6251   | VRS-CZ1JF123FY | AA         |          | J             | 12k 1/16W Metal Oxide       |
| R6252   | VRS-CZ1JF134FY | AB         |          | J             | 130k 1/16W Metal Oxide      |
| R6253   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6254   | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide       |
| R6256   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide       |
| R6257   | VRS-CY1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide        |
| R6258   | VRS-CZ1JF104JY | AA         |          | J             | 100k 1/16W Metal Oxide      |
| R6259   | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide       |
| R6260   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide      |
| R6261   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide      |
| R6262   | VRS-CZ1JF332JY | AA         |          | J             | 3.3k 1/16W Metal Oxide      |
| R6263   | VRS-TQ2BD332JY | AB         |          | J             | 3.3k 1/8W Metal Oxide       |
| R6264   | VRS-TV1JD100JY | AA         |          | J             | 10 1/16W Metal Oxide        |
| R6266   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6267   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6268   | VRS-CZ1JF202FY | AA         |          | J             | 2.0k 1/16W Metal Oxide      |
| R6269   | VRS-CZ1JF183FY | AA         |          | J             | 18k 1/16W Metal Oxide       |
| R6270   | VRS-CZ1JF134FY | AB         |          | J             | 130k 1/16W Metal Oxide      |
| R6271   | VRS-CZ1JF303FY | AA         |          | J             | 30k 1/16W Metal Oxide       |
| R6272   | VRS-CZ1JF113FY | AA         |          | J             | 11k 1/16W Metal Oxide       |
| R6273   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide         |
| R6274   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition  |
| R6275   | VRS-CZ1JF222FY | AA         |          | J             | 2.2k 1/16W Metal Oxide      |

| NO.   | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                |
|---|----------------|------------|----------|---------------|----------------------------|
| <b>[10] DUNTKG400FM10/11 (LCD CONTROL Unit)</b> |                |            |          |               |                            |
| R6277   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition |
| R6278   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6281   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R6282   | VRS-CZ1JF562FY | AA         |          | J             | 5.6k 1/16W Metal Oxide     |
| R6283   | VRS-CZ1JF102FY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| R6284   | VRS-CZ1JF222FY | AA         |          | J             | 2.2k 1/16W Metal Oxide     |
| R6285   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R6287   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R6288   | VRS-TW2ED000JY | AB         |          | J             | 0 1/4W Metal Oxide         |
| R6291   | VRS-CZ1JF224FY | AA         |          | J             | 220k 1/16W Metal Oxide     |
| R6292   | VRS-CZ1JF184FY | AA         |          | J             | 180k 1/16W Metal Oxide     |
| R6294   | VRS-CZ1JF223FY | AA         |          | J             | 22k 1/16W Metal Oxide      |
| R6295   | VRS-CZ1JF183FY | AA         |          | J             | 18k 1/16W Metal Oxide      |
| R6296   | VRS-CZ1JF332JY | AA         |          | J             | 3.3k 1/16W Metal Oxide     |
| R6301   | VRS-CZ1JF100JY | AA         |          | J             | 10 1/16W Metal Oxide       |
| R6303   | VRS-TQ2BD1R0JY | AA         |          | J             | 1 1/8W Metal Oxide         |
| R6304   | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R6305   | VRS-CZ1JF103FY | AB         |          | J             | 10k 1/16W Metal Oxide      |
| R6306   | VRS-CZ1JF333FY | AA         |          | J             | 33k 1/16W Metal Oxide      |
| R6308   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R6314   | VRK-SA1JF100JY | AB         |          | J             | 10 1/16W Metal Composition |
| R6318   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6327   | VRS-TW2HF3R3JY | AA         |          | J             | 3.3 1/2W Metal Oxide       |
| R6362   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition |
| R6363   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition |
| R6801   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6810   | VRS-CY1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| R6811   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6812   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6813   | VRS-CY1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| R6814   | VRS-CZ1JF103JY | AA         |          | J             | 10k 1/16W Metal Oxide      |
| R6815   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6816   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6817   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6818   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6819   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6820   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6821   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6822   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6824   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6826   | VRS-CZ1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6833   | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R6836   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6837   | VRS-CY1JF1R0JY | AA         |          | J             | 1 1/16W Metal Oxide        |
| R6839   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6841   | VRS-CZ1JF473JY | AA         |          | J             | 47k 1/16W Metal Oxide      |
| R6842   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6843   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6844   | VRS-CY1JFR51JY | AB         |          | J             | 0.51 1/16W Metal Oxide     |
| R6845   | VRS-TW2HF000JY | AA         |          | J             | 0 1/2W Metal Oxide         |
| R6846   | VRS-CM2HF3R3JY | AA         |          | X             | 3.3 1/2W Metal Oxide       |
| R6847   | VRS-CM2HF3R3JY | AA         |          | X             | 3.3 1/2W Metal Oxide       |
| R6848   | VRS-TW2HF000JY | AA         |          | J             | 0 1/2W Metal Oxide         |
| R6849   | VRS-CZ1JF471JY | AA         |          | J             | 470 1/16W Metal Oxide      |
| R6850   | VRS-CZ1JF471JY | AA         |          | J             | 470 1/16W Metal Oxide      |
| R6851   | VRS-CZ1JF471JY | AA         |          | J             | 470 1/16W Metal Oxide      |
| R6852   | VRS-CZ1JF471JY | AA         |          | J             | 470 1/16W Metal Oxide      |
| R6853   | VRS-CY1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| R6854   | VRS-CY1JF102JY | AA         |          | J             | 1k 1/16W Metal Oxide       |
| R6855   | VRS-CY1JF000JY | AA         |          | J             | 0 1/16W Metal Oxide        |
| R6860   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition |
| R6861   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition |
| R6862   | VRK-SB1FF100JY | AA         |          | J             | 10 1/32W Metal Composition |
| SC4801  | QCNCWA671WJQZY | AH         |          | J             | Connector                  |
| SC5301  | QCNCWA801WJZZY | AG         |          | J             | Connector                  |
| SC5302  | QCNCWA801WJZZY | AG         |          | J             | Connector                  |
| X5801   | RCRSCA243WJZZY | AE         |          | J             | Crystal                    |



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# SHARP SERVICE MANUAL

No. S14A1LC60EQ10

## LCD COLOR TELEVISION

**LC-60/70EQ10U**

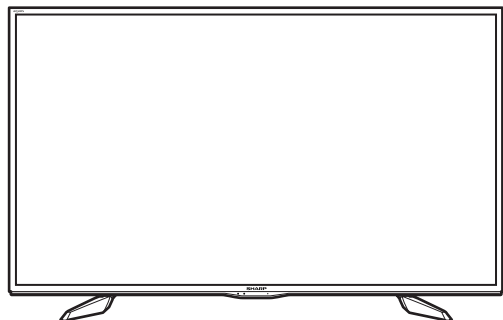
**LC-60/70SQ10U**

**LC-60/70SQ15U**

**LC-60/70SQ17U**

**LC-60/70TQ15U**

**MODELS LC-60/70UQ17U**



In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

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## Parts Guide

# SAFETY PRECAUTION

## IMPORTANT SERVICE SAFETY PRECAUTION

■ Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

### ■WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

**CAUTION: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE.**

F7001 (250V 5A)

### ■BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

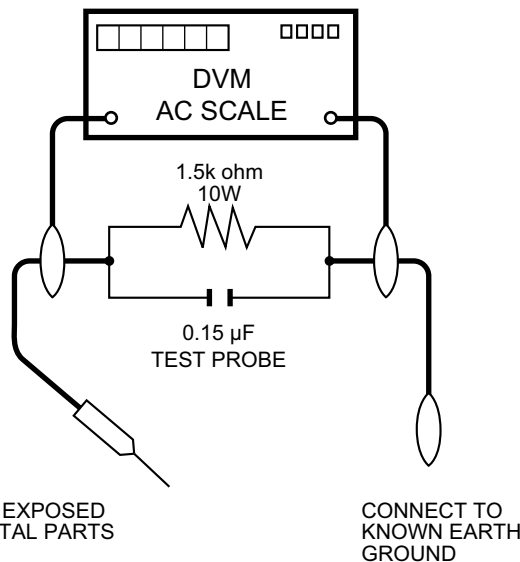
Before returning the receiver to the user, perform the following safety checks:

3. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
  4. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
  5. To be sure that no shock hazard exists, check for leakage current in the following manner.
- Plug the AC cord directly into a 120 volt AC outlet.

- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15μF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.75 Vrms (this corresponds to 0.5 mA rms AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



### SAFETY NOTICE

Many electrical and mechanical parts in LCD color television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠" and shaded areas in the Replacement Parts List and Schematic Diagrams.

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

# LC-60/70EQ10U,SQ10U/15U/17U,TQ15U,UQ17U

## PRECAUTIONS A PRENDRE LORS DE LA REPARATION

■ Ne peut effectuer la réparation qu' un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.

### ■ AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.

**PRECAUTION: POUR LA PROTECTION CONTINUE CONTRE LES RISQUES D'INCENDIE, REMPLACER LE FUSIBLE**

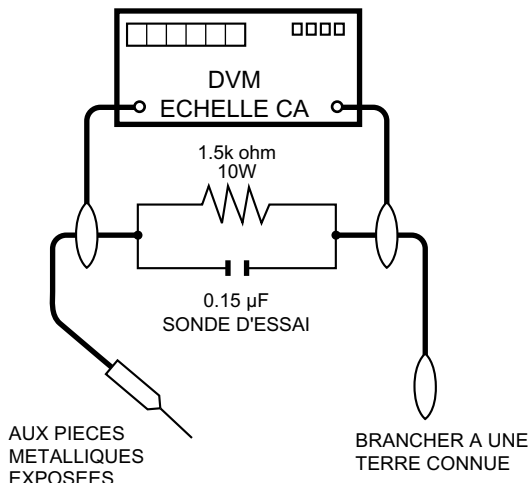
F7001 (250V 5A)

- A l'aide de deux fils à pinces, brancher une résistance de 1.5 k $\Omega$  10 watts en parallèle avec un condensateur de 0.15 $\mu$ F en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une conduite électrique ou une prise de terre branchée à la terre.
- Utiliser un voltmètre CA d'une sensibilité d'au moins 5000 $\Omega$ /V pour mesurer la chute de tension en travers de la résistance.
- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adpatation non polarisée peut être utilisée dans le but de terminer ces vérifications.)  
La tension de pointe mesurée ne doit pas dépasser 0.75V (correspondante au courant CA de pointe de 0.5mA). Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.

### ■ VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

3. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
4. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistancecapacité, les isolateurs mécaniques, etc.
5. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la façon suivante:
  - Brancher le cordon d'alimentation directement à une prise de courant de 120V. (Ne pas utiliser de transformateur d'isolation pour cet essai).



### AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseur ACL présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonées pour haute tension, puissance, etc.

Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque "⚠" et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques.

Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

## PRECAUTIONS FOR USING LEAD-FREE SOLDER

### ■Employing lead-free solder

- “PWBs” of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:



Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.



Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

### ■Using lead-free wire solder

- When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40 °C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

### ■Soldering

- As the melting point of lead-free solder (Sn-Ag-Cu) is about 220 °C which is higher than the conventional lead solder by 40 °C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

- Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

| PARTS CODE   | PRICE RANK | PART DELIVERY | DESCRIPTION         |
|--------------|------------|---------------|---------------------|
| ZHNDi123250E | BL         | J             | φ0.3mm 250g (1roll) |
| ZHNDi126500E | BK         | J             | φ0.6mm 500g (1roll) |
| ZHNDi12801KE | BM         | J             | φ1.0mm 1kg (1roll)  |

**OUTLINE****MAJOR SERVICE PARTS****■PWB Unit**

- LC-60/70EQ10U

| NO. | PARTS CODE    | DESCRIPTION                           |
|-----|---------------|---------------------------------------|
| N   | DKEYMG381FM01 | MAIN Unit                             |
| N   | DUNTKG400FM01 | LCD CONTROL (T-CON) Unit (LC-60EQ10U) |
| N   | DUNTKG400FM02 | LCD CONTROL (T-CON) Unit (LC-70EQ10U) |
| N   | DUNTKF800FM53 | KEY Unit                              |
| N   | DUNTKG369FM02 | RC/ICON Unit                          |
| N   | RUNTKB222WJQZ | WiFi+BT Unit                          |
| N   | RUNTKB109WJQZ | POWER/DRIVE Unit (LC-60EQ10U)         |
| N   | RUNTKB131WJQZ | POWER/DRIVE Unit (LC-70EQ10U)         |

- LC-60/70SQ10U

| NO. | PARTS CODE    | DESCRIPTION                           |
|-----|---------------|---------------------------------------|
| N   | DKEYMG382FM01 | MAIN Unit                             |
| N   | DUNTKG400FM01 | LCD CONTROL (T-CON) Unit (LC-60SQ10U) |
| N   | DUNTKG400FM02 | LCD CONTROL (T-CON) Unit (LC-70SQ10U) |
| N   | DUNTKF800FM53 | KEY Unit                              |
| N   | DUNTKG369FM02 | RC/ICON Unit                          |
| N   | RUNTKB222WJQZ | WiFi+BT Unit                          |
| N   | RUNTKB109WJQZ | POWER/DRIVE Unit (LC-60SQ10U)         |
| N   | RUNTKB131WJQZ | POWER/DRIVE Unit (LC-70SQ10U)         |

- LC-60/70SQ15U

| NO. | PARTS CODE    | DESCRIPTION                           |
|-----|---------------|---------------------------------------|
| N   | DKEYMG382FM01 | MAIN Unit                             |
| N   | DUNTKG400FM01 | LCD CONTROL (T-CON) Unit (LC-60SQ15U) |
| N   | DUNTKG400FM02 | LCD CONTROL (T-CON) Unit (LC-70SQ15U) |
| N   | DUNTKF800FM53 | KEY Unit                              |
| N   | DUNTKG369FM01 | RC/ICON Unit                          |
| N   | RUNTKB222WJQZ | WiFi+BT Unit                          |
| N   | RUNTKB109WJQZ | POWER/DRIVE Unit (LC-60SQ15U)         |
| N   | RUNTKB131WJQZ | POWER/DRIVE Unit (LC-70SQ15U)         |

- LC-60/70SQ17U

| NO. | PARTS CODE    | DESCRIPTION                           |
|-----|---------------|---------------------------------------|
| N   | DKEYMG382FM01 | MAIN Unit                             |
| N   | DUNTKG400FM01 | LCD CONTROL (T-CON) Unit (LC-60SQ17U) |
| N   | DUNTKG400FM02 | LCD CONTROL (T-CON) Unit (LC-70SQ17U) |
| N   | DUNTKF800FM53 | KEY Unit                              |
| N   | DUNTKG369FM01 | RC/ICON Unit                          |
| N   | RUNTKB222WJQZ | WiFi+BT Unit                          |
| N   | RUNTKB109WJQZ | POWER/DRIVE Unit (LC-60SQ17U)         |
| N   | RUNTKB131WJQZ | POWER/DRIVE Unit (LC-70SQ17U)         |

- LC-60/70TQ15U

| NO. | PARTS CODE    | DESCRIPTION                           |
|-----|---------------|---------------------------------------|
| N   | DKEYMG382FM01 | MAIN Unit                             |
| N   | DUNTKG400FM10 | LCD CONTROL (T-CON) Unit (LC-60TQ15U) |
| N   | DUNTKG400FM11 | LCD CONTROL (T-CON) Unit (LC-70TQ15U) |
| N   | DUNTKF800FM54 | KEY Unit                              |
| N   | DUNTKG369FM01 | RC/ICON Unit                          |
| N   | RUNTKB222WJN1 | WiFi+BT Unit                          |
| N   | RUNTKB116WJQZ | POWER/DRIVE Unit (LC-60TQ15U)         |
| N   | RUNTKB118WJQZ | POWER/DRIVE Unit (LC-70TQ15U)         |
| N   | RUNTKB075WJZZ | LED Unit (LC-60TQ15U)                 |
| N   | RUNTKB077WJZZ | LED Unit (LC-70TQ15U)                 |

- LC-60/70UQ17U

| NO. | PARTS CODE    | DESCRIPTION                           |
|-----|---------------|---------------------------------------|
| N   | DKEYMG382FM01 | MAIN Unit                             |
| N   | DUNTKG400FM10 | LCD CONTROL (T-CON) Unit (LC-60UQ17U) |
| N   | DUNTKG400FM11 | LCD CONTROL (T-CON) Unit (LC-70UQ17U) |
| N   | DUNTKF800FM54 | KEY Unit                              |
| N   | DUNTKG369FM01 | RC/ICON Unit                          |
| N   | RUNTKB222WJN1 | WiFi+BT Unit                          |
| N   | RUNTKB116WJQZ | POWER/DRIVE Unit (LC-60UQ17U)         |
| N   | RUNTKB118WJQZ | POWER/DRIVE Unit (LC-70UQ17U)         |
| N   | RUNTKB075WJZZ | LED Unit (LC-60UQ17U)                 |
| N   | RUNTKB077WJZZ | LED Unit (LC-70UQ17U)                 |

NOTE: \*1 Replace MAIN PWB Units (DKEYMG381FM01) in case of IC3103 failure.

Replace MAIN PWB Units (DKEYMG382FM01) in case of IC3103, IC3301 failure.

\*2 Replace LCD CONTROL Units (DUNTKG400FM\*\*) in case of IC5803 failure.

#### ■OTHER Unit

#### ■IC For Exclusive Use Of The Service

| Ref No. | Parts No.      | Description                                  | Q'ty |
|---------|----------------|--|------|
| IC2004  | RH-iXD515WJNSQ | IC (Monitor Microprocessor)                  | 1    |
| IC2503  | RH-iXD741WJZZS | IC (Flash for HDMI receiver) (DKEYMG382FM01) | 1    |

#### ■Service Jigs

| NO.   | PARTS CODE    | DESCRIPTION   |
|---|---------------|---|
| SERVICE JIG (USE FOR SERVICING) (LC-60/70EQ10U/SQ10U,15U,17U) |               |   |
| N   | QCNW-C222WJQZ | Connecting Cord L=1000mm 80pins, LCD Control Unit to LCD Panel Unit, x2                 |
| N   | QCNW-L214WJQZ | Connecting Cord L=1000mm 64pins, LCD Control Unit to LCD Panel Unit, x2 (LC-60/70EQ10U) |
| N   | QCNW-F676WJQZ | Connecting Cord L=1000mm 41pins, Main to LCD Control Unit (LW)                          |
| N   | QCNW-M539WJQZ | Connecting Cord L=1200mm 24-24-4pins, Main(PD) to Power(PD) to LCD Control Unit (PL)    |
| SERVICE JIG (USE FOR SERVICING) (LC-60/70TQ15U/UQ17U,80UQ17U) |               |   |
| N   | QCNW-C222WJQZ | Connecting Cord L=1000mm 80pins, LCD Control Unit to LCD Panel Unit, x2                 |
| N   | QCNW-L214WJQZ | Connecting Cord L=1000mm 64pins, LCD Control Unit to LCD Panel Unit, x2                 |
| N   | QCNW-N560WJQZ | Connecting Cord L=650mm 41pins, Main to LCD Control Unit (LW)                           |
| N   | QCNW-M539WJQZ | Connecting Cord L=1200mm 24-24-4pins, Main(PD) to Power(PD) to LCD Control Unit (PL)    |

# CHAPTER 1. SPECIFICATIONS

## [1] SPECIFICATIONS

| Item                         |  | Model: LC-70EQ10U                     | Model: LC-60EQ10U  |  |
|------------------------------|--|---------------------------------------|--|--|
| LCD panel                    | Size   | 70" Class (69 1/2" Diagonal)          | 60" Class (60 3/32" Diagonal)  |  |
|                              | Resolution   | 2,073,600 pixels (1,920 x 1,080)      |  |  |
| TV Function                  | TV-standard (CCIR)   | American TV Standard ATSC/NTSC System |  |  |
|                              | Receiving Channel  | VHF/UHF                               | VHF 2-13ch, UHF 14-69ch  |  |
|                              |  | CATV                                  | 1-135ch (non-scrambled channel only)   |  |
|                              |  | Digital Terrestrial Broadcast (8VSB)  | 2-69ch   |  |
|                              | Audio multiplex  | Digital cable*1 (64/256 QAM)          | 1-135ch (non-scrambled channel only)   |  |
| Audio out                    | BTSC System<br>10W x 2   |                                       |  |  |
| Terminals                    | Back panel vertical side   | HDMI IN 1                             | HDMI in with HDCP, ARC   |  |
|                              |  | HDMI IN 2                             | HDMI in with HDCP, Audio in (Ø 3.5 mm stereo jack)                                       |  |
|                              |  | HDMI IN 3                             | HDMI in with HDCP  |  |
|                              |  | HDMI IN 4                             | HDMI in with HDCP, MHL   |  |
|                              |  | AUDIO OUT                             | Audio out (Ø 3.5 mm stereo jack)   |  |
|                              | Back panel surface side  | USB 1                                 | Photo/Music/Video mode, Software update, USB keyboard/mouse, Wallpaper Picture           |  |
|                              |  | COMPONENT IN                          | COMPONENT in   |  |
|                              |  | VIDEO IN 1                            | AV in  |  |
|                              |  | VIDEO IN 2                            | AV in  |  |
|                              |  | PC IN                                 | ANALOG RGB (PC) in (15-pin mini D-sub female connector), Audio in (Ø 3.5 mm stereo jack) |  |
|                              | Back panel horizontal side   | RS-232C                               | 9-pin D-sub male connector   |  |
|                              |  | ANT/CABLE                             | 75 Ω Unbalance, F Type x 1 for Analog (VHF/UHF/CATV) and Digital (AIR/CABLE)             |  |
|                              |  | AUDIO IN                              | Audio in (Ø 3.5 mm stereo jack)  |  |
|                              |  | DIGITAL AUDIO OUT                     | Optical Digital audio out x 1 (PCM/Dolby Digital/DTS)                                    |  |
|                              |  | ETHERNET                              | Network connector  |  |
| USB 2                        | Photo/Music/Video mode, Software update, USB keyboard/mouse, Wallpaper Picture |                                       |  |  |
| OSD language                 | English/French/Spanish   |                                       |  |  |
| Power Requirement            | AC 120 V, 60 Hz  |                                       |  |  |
| On Mode Power                | 97 W   | 79 W                                  |  |  |
| Power Consumption            | 228 W (0.1 W Standby with AC 120 V)  |                                       |  |  |
| Weight                       | TV + stand   | 188 W (0.1 W Standby with AC 120 V)   | 188 W (0.1 W Standby with AC 120 V)  |  |
|                              | TV only  | 83.8 lbs./38.0 kg                     | 61.7 lbs./28.0 kg  |  |
| Dimensions (W x H x D)(inch) | TV + stand   | 77.2 lbs./35.0 kg                     | 55.1 lbs./25.0 kg  |  |
|                              | TV only  | 62 39/64 x 38 45/64 x 14 21/32        | 54 19/64 x 33 29/32 x 14 21/32   |  |
| Operating temperature        | TV + stand   | 62 39/64 x 37 21/64 x 3 9/32          | 54 19/64 x 32 17/32 x 3 3/64   |  |
|                              | TV only  | +32°F to +104°F (0°C to +40°C)        |  |  |

\*1 Emergency alert messages via Cable are unreceivable.

- As part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.
- On Mode Power Consumption is measured according to Energy Star program requirements for televisions.

| Item                         |  | Model: LC-70SQ17U/LC-70SQ15U/LC-70SQ10U | Model: LC-60SQ17U/LC-60SQ15U/LC-60SQ10U  |  |
|------------------------------|--|---|--|--|
| LCD panel                    | Size   | 70" Class (69 1/2" Diagonal)            | 60" Class (60 3/32" Diagonal)  |  |
|                              | Resolution   | 2,073,600 pixels (1,920 x 1,080)        |  |  |
| TV Function                  | TV-standard (CCIR)   | American TV Standard ATSC/NTSC System   |  |  |
|                              | Receiving Channel  | VHF/UHF                                 | VHF 2-13ch, UHF 14-69ch  |  |
|                              |  | CATV                                    | 1-135ch (non-scrambled channel only)   |  |
|                              |  | Digital Terrestrial Broadcast (8VSB)    | 2-69ch   |  |
|                              | Audio multiplex  | Digital cable*1 (64/256 QAM)            | 1-135ch (non-scrambled channel only)   |  |
| Audio out                    | BTSC System<br>10W x 2   |   |  |  |
| Terminals                    | Back panel vertical side   | HDMI IN 1                               | HDMI in with HDCP (HDCP2.2 supported)  |  |
|                              |  | HDMI IN 2                               | HDMI in with HDCP, Audio in (Ø 3.5 mm stereo jack)                                       |  |
|                              |  | HDMI IN 3                               | HDMI in with HDCP, ARC   |  |
|                              |  | HDMI IN 4                               | HDMI in with HDCP, MHL   |  |
|                              |  | AUDIO OUT                               | Audio out (Ø 3.5 mm stereo jack)   |  |
|                              | Back panel surface side  | USB 1                                   | Photo/Music/Video mode, Software update, USB keyboard/mouse, Wallpaper Picture           |  |
|                              |  | COMPONENT IN                            | COMPONENT in   |  |
|                              |  | VIDEO IN 1                              | AV in  |  |
|                              |  | VIDEO IN 2                              | AV in  |  |
|                              |  | PC IN                                   | ANALOG RGB (PC) in (15-pin mini D-sub female connector), Audio in (Ø 3.5 mm stereo jack) |  |
|                              | Back panel horizontal side   | RS-232C                                 | 9-pin D-sub male connector   |  |
|                              |  | ANT/CABLE                               | 75 Ω Unbalance, F Type x 1 for Analog (VHF/UHF/CATV) and Digital (AIR/CABLE)             |  |
|                              |  | AUDIO IN                                | Audio in (Ø 3.5 mm stereo jack)  |  |
|                              |  | DIGITAL AUDIO OUT                       | Optical Digital audio out x 1 (PCM/Dolby Digital/DTS)                                    |  |
|                              |  | ETHERNET                                | Network connector  |  |
| USB 2                        | Photo/Music/Video mode, Software update, USB keyboard/mouse, Wallpaper Picture |   |  |  |
| OSD language                 | English/French/Spanish   |   |  |  |
| Power Requirement            | AC 120 V, 60 Hz  |   |  |  |
| On Mode Power                | 97 W   | 79 W                                    |  |  |
| Power Consumption            | 228 W (0.1 W Standby with AC 120 V)  |   |  |  |
| Weight                       | TV + stand   | 188 W (0.1 W Standby with AC 120 V)     | 188 W (0.1 W Standby with AC 120 V)  |  |
|                              | TV only  | 83.8 lbs./38.0 kg                       | 61.7 lbs./28.0 kg  |  |
| Dimensions (W x H x D)(inch) | TV + stand   | 77.2 lbs./35.0 kg                       | 55.1 lbs./25.0 kg  |  |
|                              | TV only  | 62 39/64 x 38 45/64 x 14 21/32          | 54 19/64 x 33 29/32 x 14 21/32   |  |
| Operating temperature        | TV + stand   | 62 39/64 x 37 21/64 x 3 9/32            | 54 19/64 x 32 17/32 x 3 3/64   |  |
|                              | TV only  | +32°F to +104°F (0°C to +40°C)          |  |  |

\*1 Emergency alert messages via Cable are unreceivable.

- As part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.
- On Mode Power Consumption is measured according to Energy Star program requirements for televisions.

| Item                         |  | Model: LC-70TQ15U                     | Model: LC-60TQ15U  |  |
|------------------------------|--|---------------------------------------|--|--|
| LCD panel                    | Size   | 70" Class (69 1/2" Diagonal)          | 60" Class (60 1/32" Diagonal)  |  |
|                              | Resolution   | 2,073,600 pixels (1,920 x 1,080)      |  |  |
| TV-standard (CCIR)           |  | American TV Standard ATSC/NTSC System |  |  |
| TV Function                  | Receiving Channel  | VHF/UHF                               | VHF 2-13ch, UHF 14-69ch  |  |
|                              |  | CATV                                  | 1-135ch (non-scrambled channel only)   |  |
|                              |  | Digital Terrestrial Broadcast (8VSB)  | 2-69ch   |  |
|                              |  | Digital cable*1 (64/256 QAM)          | 1-135ch (non-scrambled channel only)   |  |
| Audio multiplex              |  | BTSC System                           |  |  |
| Audio out                    |  | 10W x 2 + 15W (WF)                    |  |  |
| Terminals                    | Back panel vertical side   | HDMI IN 1                             | HDMI in with HDCP (HDCP2.2 supported)  |  |
|                              |  | HDMI IN 2                             | HDMI in with HDCP, Audio in (Ø 3.5 mm stereo jack)                                       |  |
|                              |  | HDMI IN 3                             | HDMI in with HDCP, ARC   |  |
|                              |  | HDMI IN 4                             | HDMI in with HDCP, MHL   |  |
|                              |  | AUDIO OUT                             | Audio out (Ø 3.5 mm stereo jack)   |  |
|                              | Back panel surface side  | USB 1                                 | Photo/Music/Video mode, Software update, USB keyboard/mouse, Wallpaper Picture           |  |
|                              |  | COMPONENT IN                          | COMPONENT in   |  |
|                              |  | VIDEO IN 1                            | AV in  |  |
|                              |  | VIDEO IN 2                            | AV in  |  |
|                              |  | PC IN                                 | ANALOG RGB (PC) in (15-pin mini D-sub female connector), Audio in (Ø 3.5 mm stereo jack) |  |
|                              | Back panel horizontal side   | RS-232C                               | 9-pin D-sub male connector   |  |
|                              |  | ANT/CABLE                             | 75 Ω Unbalance, F Type x 1 for Analog (VHF/UHF/CATV) and Digital (AIR/CABLE)             |  |
|                              |  | AUDIO IN                              | Audio in (Ø 3.5 mm stereo jack)  |  |
|                              |  | DIGITAL AUDIO OUT                     | Optical Digital audio out x 1 (PCM/Dolby Digital/DTS)                                    |  |
|                              |  | ETHERNET                              | Network connector  |  |
| USB 2                        | Photo/Music/Video mode, Software update, USB keyboard/mouse, Wallpaper Picture |                                       |  |  |
| OSD language                 |  | English/French/Spanish                |  |  |
| Power Requirement            |  | AC 120 V, 60 Hz                       |  |  |
| On Mode Power                |  | 97 W                                  | 79 W   |  |
| Power Consumption            |  | 227 W (0.1 W Standby with AC 120 V)   | 187 W (0.1 W Standby with AC 120 V)  |  |
| Weight                       | TV + stand   | 109.1 lbs./49.5 kg                    | 87.1 lbs./39.5 kg  |  |
|                              | TV only  | 92.6 lbs./42.5 kg                     | 71.7 lbs./32.5 kg  |  |
| Dimensions (W x H x D)(inch) | TV + stand   | 62 9/64 x 38 15/64 x 15 11/64         | 54 17/64 x 33 7/16 x 15 11/64  |  |
|                              | TV only  | 62 9/64 x 36 25/32 x 2 21/64          | 54 17/64 x 31 31/32 x 2 21/64  |  |
| Operating temperature        |  | +32°F to +104°F (0°C to +40°C)        |  |  |

\*1 Emergency alert messages via Cable are unreceivable.

As part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units. On Mode Power Consumption is measured according to Energy Star program requirements for televisions.

| Item                         |  | Model: LC-80UQ17U                     | Model: LC-70UQ17U  | Model: LC-60UQ17U                   |  |
|------------------------------|--|---------------------------------------|--|-------------------------------------|--|
| LCD panel                    | Size   | 80" Class (80" Diagonal)              | 70" Class (69 1/2" Diagonal)   | 60" Class (60 1/32" Diagonal)       |  |
|                              | Resolution   | 2,073,600 pixels (1,920 x 1,080)      |  |                                     |  |
| TV-standard (CCIR)           |  | American TV Standard ATSC/NTSC System |  |                                     |  |
| TV Function                  | Receiving Channel  | VHF/UHF                               | VHF 2-13ch, UHF 14-69ch  |                                     |  |
|                              |  | CATV                                  | 1-135ch (non-scrambled channel only)   |                                     |  |
|                              |  | Digital Terrestrial Broadcast (8VSB)  | 2-69ch   |                                     |  |
|                              |  | Digital cable*1 (64/256 QAM)          | 1-135ch (non-scrambled channel only)   |                                     |  |
| Audio multiplex              |  | BTSC System                           |  |                                     |  |
| Audio out                    |  | 10W x 2 + 15W (WF)                    |  |                                     |  |
| Terminals                    | Back panel vertical side   | HDMI IN 1                             | HDMI in with HDCP (HDCP2.2 supported)  |                                     |  |
|                              |  | HDMI IN 2                             | HDMI in with HDCP, Audio in (Ø 3.5 mm stereo jack)                                       |                                     |  |
|                              |  | HDMI IN 3                             | HDMI in with HDCP, ARC   |                                     |  |
|                              |  | HDMI IN 4                             | HDMI in with HDCP, MHL   |                                     |  |
|                              |  | AUDIO OUT                             | Audio out (Ø 3.5 mm stereo jack)   |                                     |  |
|                              | Back panel surface side  | USB 1                                 | Photo/Music/Video mode, Software update, USB keyboard/mouse, Wallpaper Picture           |                                     |  |
|                              |  | COMPONENT IN                          | COMPONENT in   |                                     |  |
|                              |  | VIDEO IN 1                            | AV in  |                                     |  |
|                              |  | VIDEO IN 2                            | AV in  |                                     |  |
|                              |  | PC IN                                 | ANALOG RGB (PC) in (15-pin mini D-sub female connector), Audio in (Ø 3.5 mm stereo jack) |                                     |  |
|                              | Back panel horizontal side   | RS-232C                               | 9-pin D-sub male connector   |                                     |  |
|                              |  | ANT/CABLE                             | 75 Ω Unbalance, F Type x 1 for Analog (VHF/UHF/CATV) and Digital (AIR/CABLE)             |                                     |  |
|                              |  | AUDIO IN                              | Audio in (Ø 3.5 mm stereo jack)  |                                     |  |
|                              |  | DIGITAL AUDIO OUT                     | Optical Digital audio out x 1 (PCM/Dolby Digital/DTS)                                    |                                     |  |
|                              |  | ETHERNET                              | Network connector  |                                     |  |
| USB 2                        | Photo/Music/Video mode, Software update, USB keyboard/mouse, Wallpaper Picture |                                       |  |                                     |  |
| OSD language                 |  | English/French/Spanish                |  |                                     |  |
| Power Requirement            |  | AC 120 V, 60 Hz                       |  |                                     |  |
| On Mode Power                |  | 111 W                                 | 97 W   | 79 W                                |  |
| Power Consumption            |  | 306 W (0.1 W Standby with AC 120 V)   | 227 W (0.1 W Standby with AC 120 V)  | 187 W (0.1 W Standby with AC 120 V) |  |
| Weight                       | TV + stand   | 156.5 lbs./71.0 kg                    | 106.9 lbs./48.5 kg   | 84.9 lbs./38.5 kg                   |  |
|                              | TV only  | 135.6 lbs./61.5 kg                    | 93.7 lbs./42.5 kg  | 71.7 lbs./32.5 kg                   |  |
| Dimensions (W x H x D)(inch) | TV + stand   | 71 55/64 x 44 7/64 x 18 3/64          | 62 9/64 x 38 35/64 x 15 11/64  | 54 17/64 x 33 25/32 x 15 11/64      |  |
|                              | TV only  | 71 55/64 x 42 1/16 x 2 3/8            | 62 9/64 x 36 25/32 x 2 21/64   | 54 17/64 x 31 31/32 x 2 21/64       |  |
| Operating temperature        |  | +32°F to +104°F (0°C to +40°C)        |  |                                     |  |

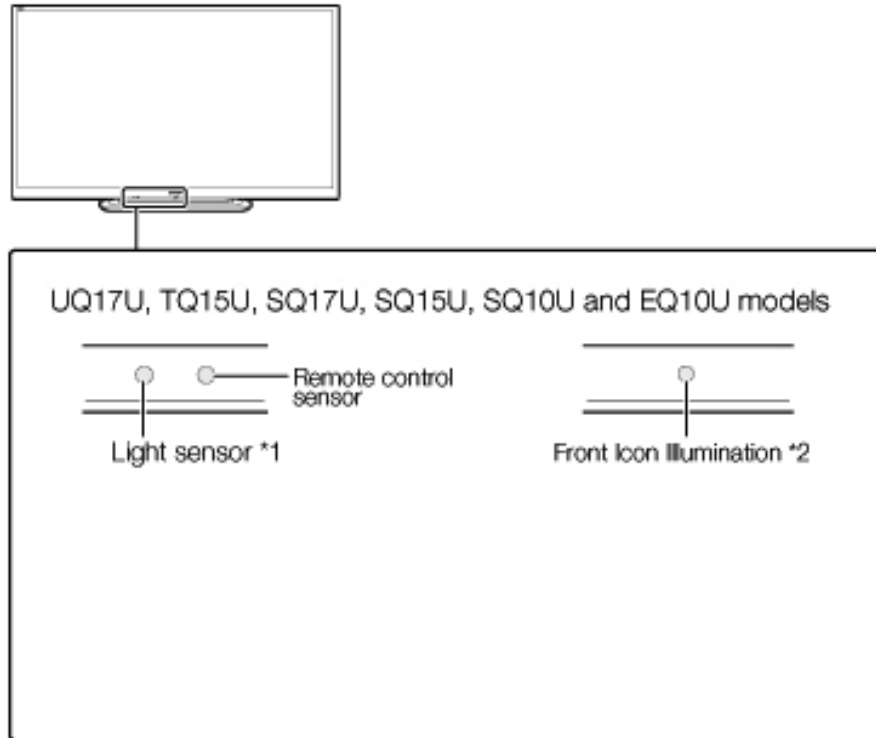
\*1 Emergency alert messages via Cable are unreceivable.

As part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units. On Mode Power Consumption is measured according to Energy Star program requirements for televisions.

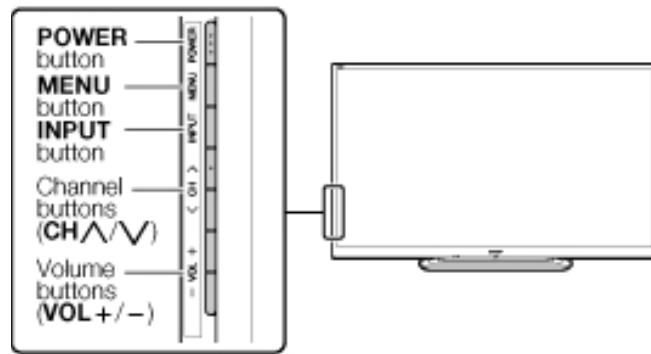
## CHAPTER 2. OPERATION MANUAL

### [1] OPERATION MANUAL

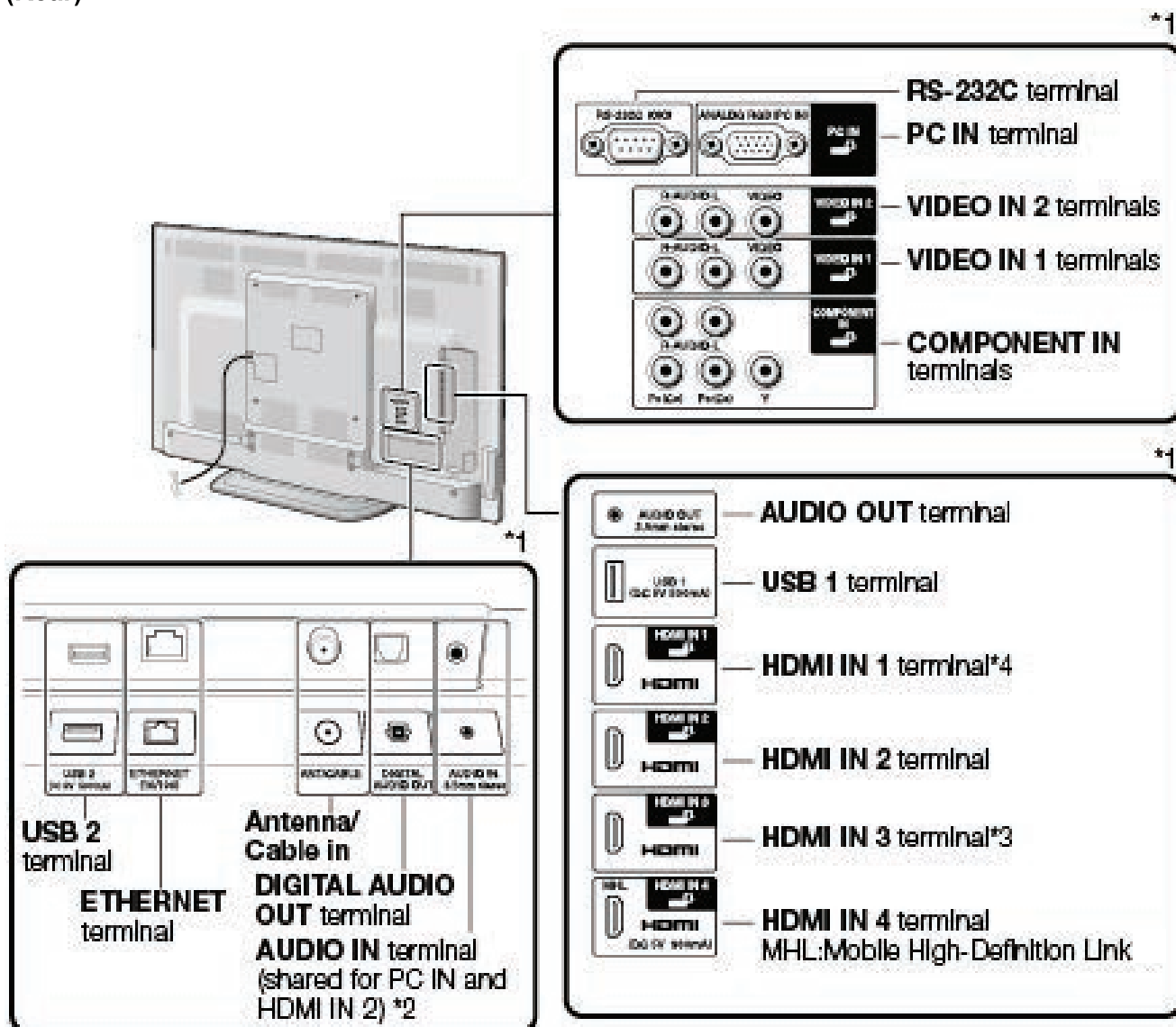
(Front)



(Side)



(Rear)



\*1 See the Setup Guide.

For external equipment connection.

\*2 for details on the Audio Select function.

\*3 For EQ10U models:

Use HDMI IN 1 to connect ARC-compatible equipment.

For UQ17U, TQ15U, SQ17U, SQ15U, SQ10U models:

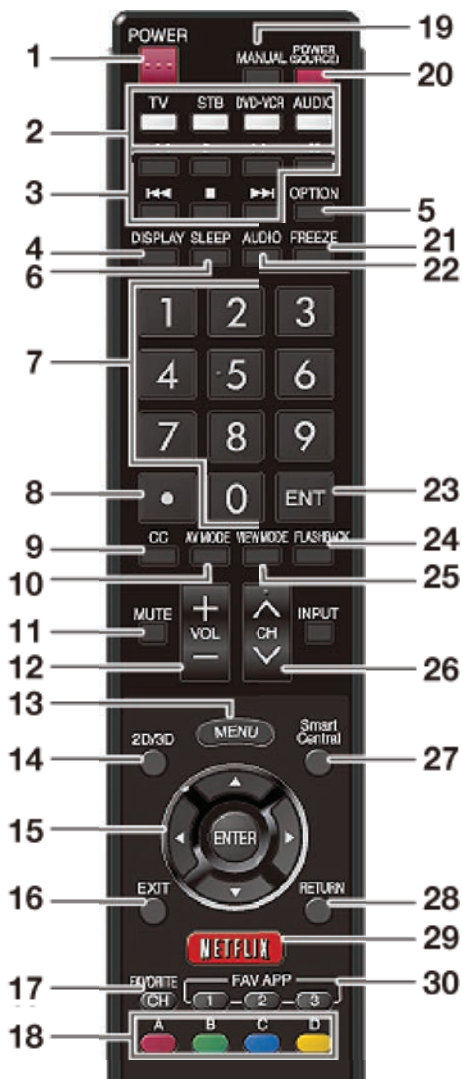
Use HDMI IN 3 to connect ARC-compatible equipment.

\*4 For UQ17U, TQ15U, SQ17U, SQ15U and SQ10U models:

Connect 4K signals (HDCP2.2) to the HDMI IN 1 terminal.

(4K60P is not supported.)

• The illustrations and on-screen displays in this operation manual are for explanation purposes and may vary slightly from the actual operations.



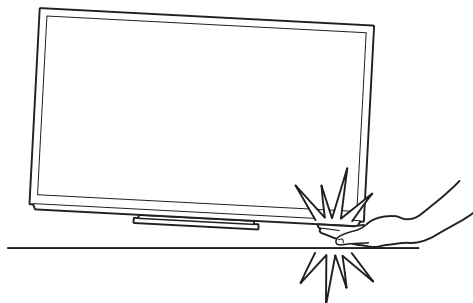
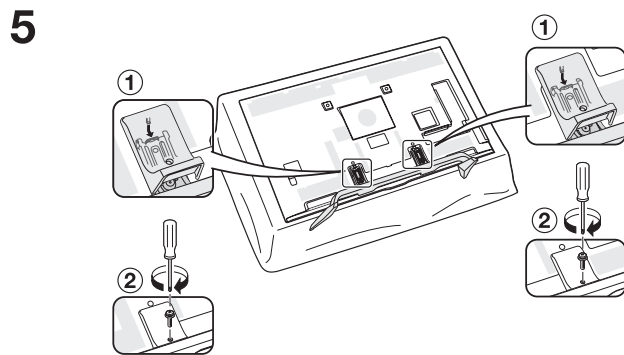
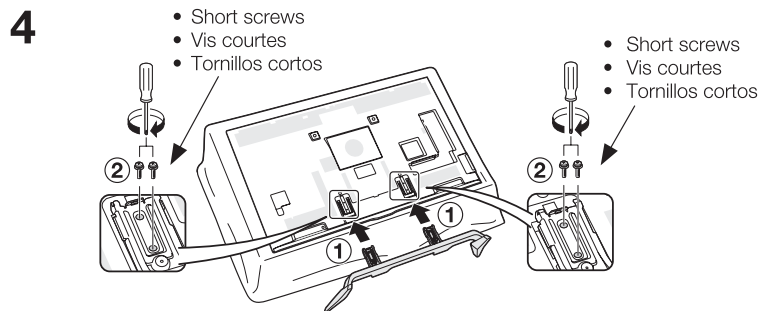
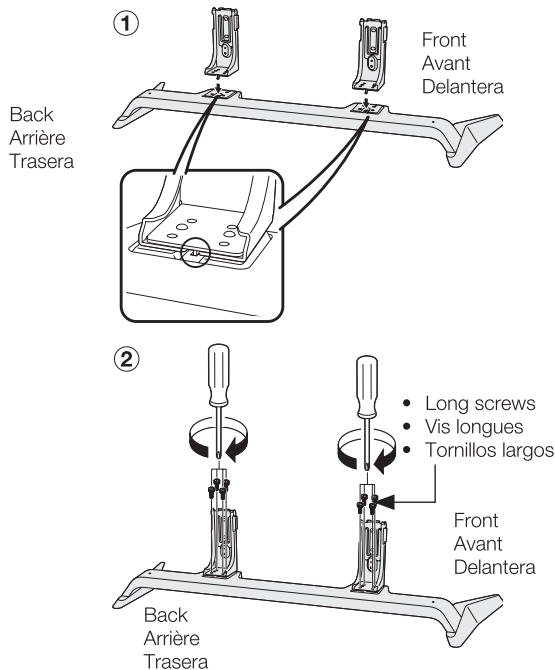
- 1 **POWER:** Switch the TV power on or enter standby.
- 2 **TV, STB, DVD•VCR, AUDIO:** Switches the remote control for TV, STB, BD, DVD, VCR and AUDIO operation.
- \* To enter the code registration mode, you need to press an appropriate button (**STB, DVD•VCR** or **AUDIO**) and **DISPLAY** at the same time.
- 3 **External equipment operational buttons:** Operate the external equipment.
- 4 **DISPLAY:** Display the channel information.
- 5 **OPTION:** Display the Link Operation Menu screen. This button will function only when AQUOS LINK is used.
- 6 **SLEEP:** Set the sleep timer.
- 7 **0–9:** Set the channel.
- 8 **• (DOT):** Set the channel.
- 9 **CC:** Display captions from a closed-caption source.
- 10 **AV MODE:** Select an audio or video setting.
- 11 **MUTE:** Mute the sound.
- 12 **VOL +/-:** Set the volume.
- 13 **MENU:** Display the menu screen.
- 14 **2D/3D:** UQ17U, TQ15U, SQ17U, SQ15U models: Select between 3D and 2D image viewing. SQ10U, EQ10U models: This can only be used for some functions.
- 15 **▲/▼/◀/▶, ENTER:** Select a desired item on the screen.
- 16 **EXIT:** Turn off the menu screen.
- 17 **FAVORITE CH:** Set the favorite channels.
- 18 **A, B, C, D:** Select 4 preset favorite channels in 4 different categories. While watching, you can toggle the selected channels by pressing **A, B, C** and **D**.
- 19 **MANUAL:** Display the operation manual.
- 20 **POWER (SOURCE):** Turns the power of the external equipment on and off.
- 21 **FREEZE:** Set the still image. Press again to return to normal screen.
- 22 **AUDIO:** Selects the MTS/SAP or the audio mode during multichannel audio broadcasts.
- 23 **ENT:** Jumps to a channel after selecting with the **0–9** buttons.
- 24 **FLASHBACK:** Return to the previous channel or external input mode.
- 25 **VIEW MODE:** Select the screen size.
- 26 **CH▲/▼:** Select the channel.
- 27 **SmartCentral:** Display the application window.
- 28 **RETURN:** Return to the previous menu screen.
- 29 **NETFLIX:** Display the Netflix screen. If you press the NETFLIX button when the TV is turned off, the TV turns on and the NETFLIX screen is displayed.
- 30 **FAV APP 1, 2, 3:** You can assign your favorite applications to these buttons.

**NOTE**

- When using the remote control unit, point it at the TV.

1 

2 ■ LC-80UQ17U/LC-70UQ17U/LC-60UQ17U



ENGLISH

■ LC-80UQ17U/LC-70UQ17U/LC-60UQ17U

- Before attaching (or detaching) the stand, unplug the AC cord.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

CAUTION

- **Be sure to follow the instructions. Incorrect installation of the stand may result in the TV falling over.**

- 1 Confirm that there are 14 screws (12 long screws and 2 short screws) supplied with the stand unit.
- 2
  - ① Engage the tabs of the stand unit with the stand holes to attach the stand unit to the stand.
  - ② Use the supplied 8 screws to fix in place the stand unit and the stand.
    - After you fix these components in place, check that the components do not wobble and are not loose and that all screws have been tightened firmly.
- 3 Build the work table. (Only for 80 inch)
- 4
  - ① Insert the stand into the openings on the bottom of the TV.
    - Make sure that the stand is firmly inserted into the TV. Improper installation may result in tilting of the TV set.
  - ② Insert and tighten the 4 screws into the 4 holes on the rear of the TV.
- 5
  - ① Insert the stand cover.
  - ② Insert the 2 screws to secure the stand cover.

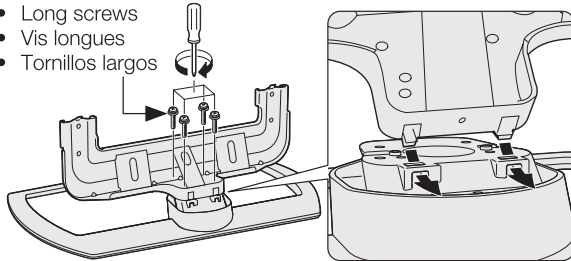
• In the installation procedure, be careful not to catch your fingers between the TV set and the floor.

- **Do not remove the stand from the TV unless using an optional wall mount bracket to mount it.**
- **After attaching the stand to the TV, do not hold the stand when you put up, set up, move or lay down the TV.**

1 

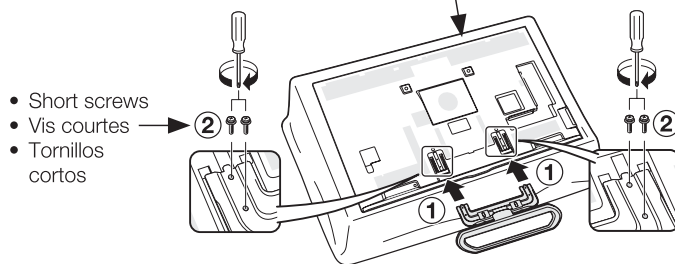
2 ■ LC-70TQ15U/LC-60TQ15U

- Long screws
- Vis longues
- Tornillos largos



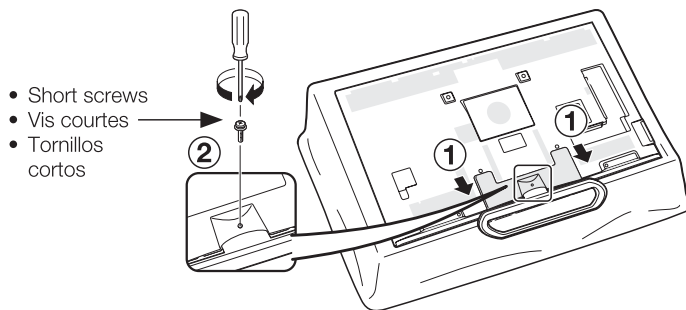
3

- Soft cushion
- Coussin moelleux
- Cojín blando

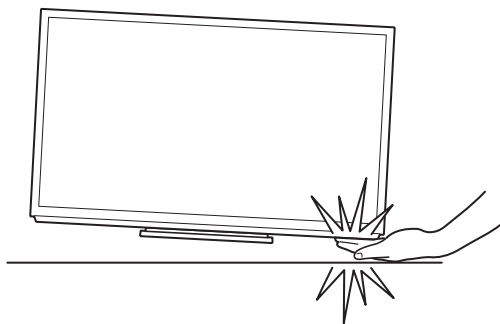


- Short screws
- Vis courtes
- Tornillos cortos

4



- Short screws
- Vis courtes
- Tornillos cortos



ENGLISH

■ LC-70TQ15U/LC-60TQ15U

- Before attaching (or detaching) the stand, unplug the AC cord.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

CAUTION

- **Be sure to follow the instructions. Incorrect installation of the stand may result in the TV falling over.**

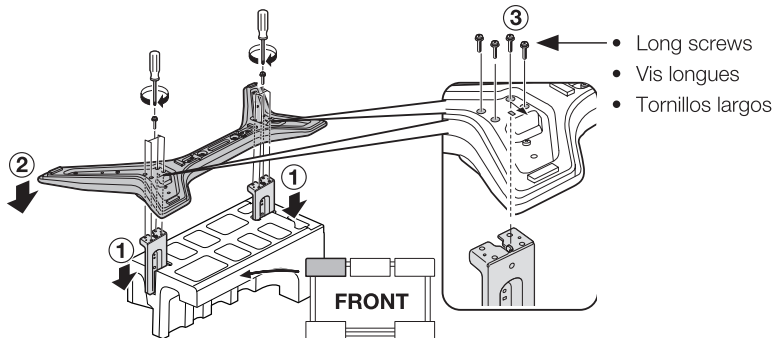
- 1 Confirm that there are 9 screws (4 long screws, 4 middle screws and 1 short screw) supplied with the stand unit.
- 2 Attach the supporting post for the stand unit onto the base as shown below.
  - The supporting post attaches to the base at an offcentered location on the base. Be sure to attach the supporting post in the direction indicated below and attach the stand to the TV with the wider side of the base facing forward.
- 3
  - ① Insert the stand into the openings on the rear of the TV.
    - Make sure that the stand is firmly inserted into the TV. Improper installation may result in tilting of the TV set.
  - ② Insert and tighten the 4 screws into the 4 holes on the rear of the stand unit.
- 4
  - ① Insert the stand cover.
  - ② Insert the screw to secure the stand cover.

- In the installation procedure, be careful not to catch your fingers between the TV set and the floor.

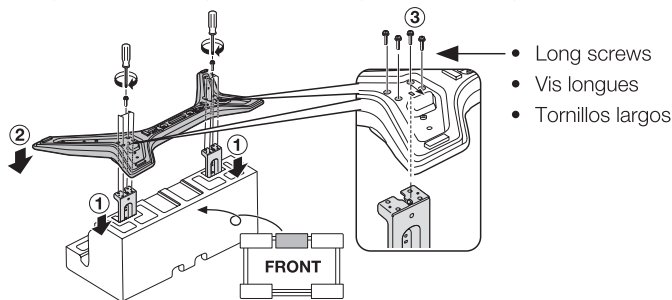
- **Do not remove the stand from the TV unless using an optional wall mount bracket to mount it.**
- **After attaching the stand to the TV, do not hold the stand when you put up, set up, move or lay down the TV.**

1 

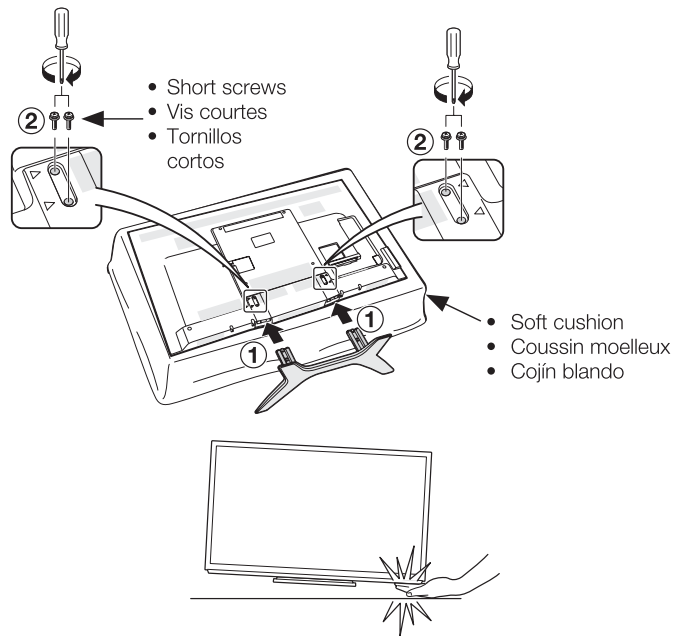
2 ■ LC-70SQ17U/LC-70SQ15U/LC-70SQ10U/LC-70EQ10U



■ LC-60SQ17U/LC-60SQ15U/LC-60SQ10U/LC-60EQ10U



3



ENGLISH

■ LC-70SQ17U/LC-70SQ15U/  
LC-70SQ10U/LC-70EQ10U/  
LC-60SQ17U/LC-60SQ15U/  
LC-60SQ10U/LC-60EQ10U

- Before attaching (or detaching) the stand, unplug the AC cord.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

CAUTION

- **Be sure to follow the instructions. Incorrect installation of the stand may result in the TV falling over.**

- 1 Confirm that there are 12 screws (8 long screws and 4 short screws) supplied with the stand unit.
- 2
  - ① Set the post for the stand unit onto the polystyrene foam.
  - ② Attach the base to the post.
  - ③ Insert and tighten the 8 screws into the 8 holes on the bottom of the base.
    - Hold the stand unit securely with one hand, and then tighten the screws.
- 3
  - ① Insert the stand into the openings on the bottom of the TV.
    - Make sure that the stand is firmly inserted into the TV. Improper installation may result in tilting of the TV set.
  - ② Insert and tighten the 4 screws into the 4 holes on the rear of the TV.

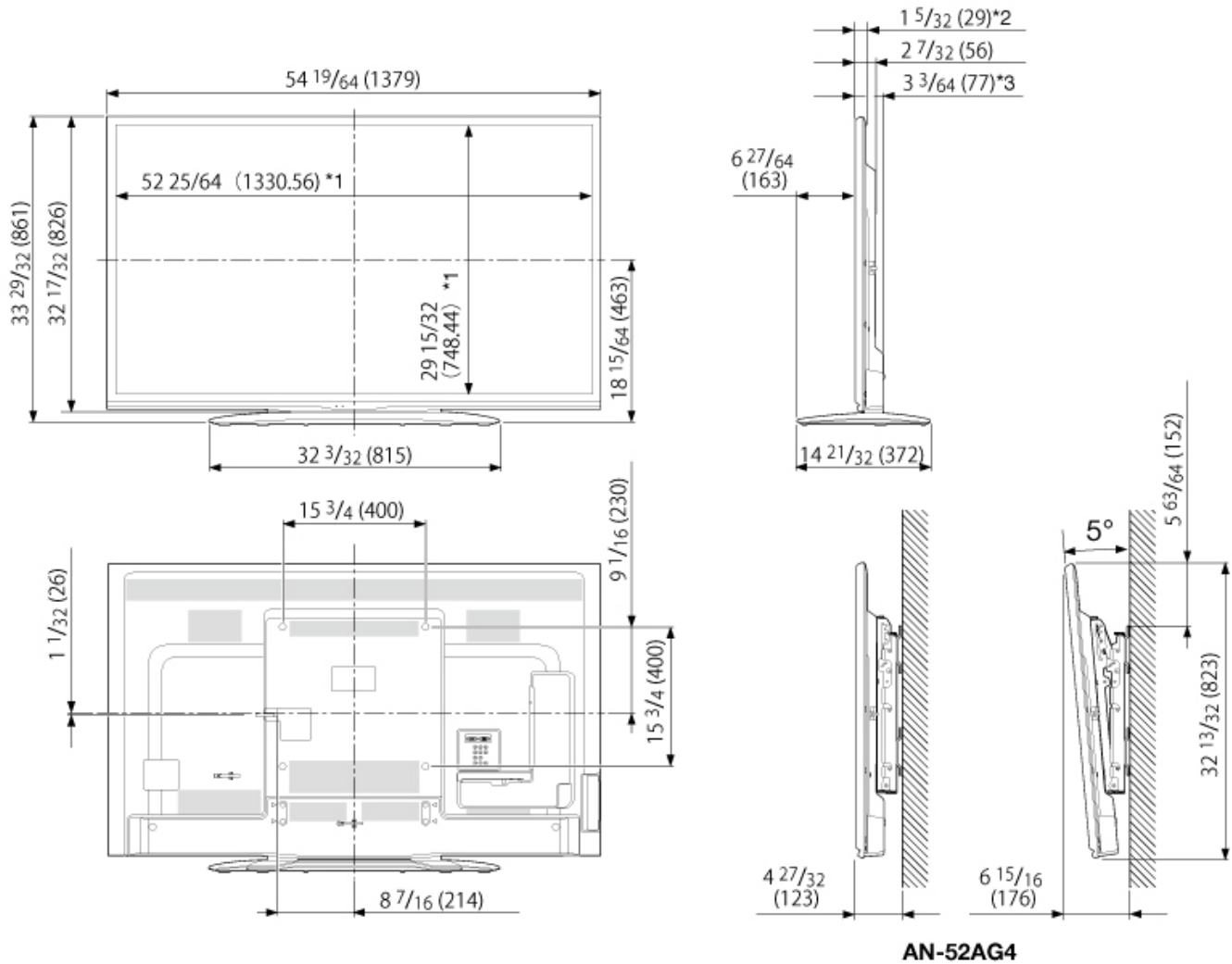
- In the installation procedure, be careful not to catch your fingers between the TV set and the floor.

- **Do not remove the stand from the TV unless using an optional wall mount bracket to mount it.**
- **After attaching the stand to the TV, do not hold the stand when you put up, set up, move or lay down the TV.**

## CHAPTER 3. DIMENSIONS

### [1] DIMENSIONS

LC-60SQ17U/LC-60SQ15U/LC-60SQ10U/LC-60EQ10U



AN-52AG4

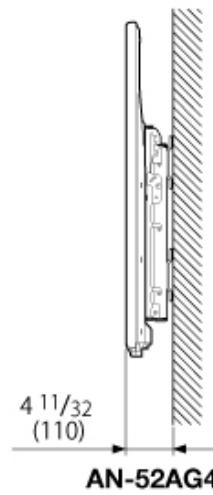
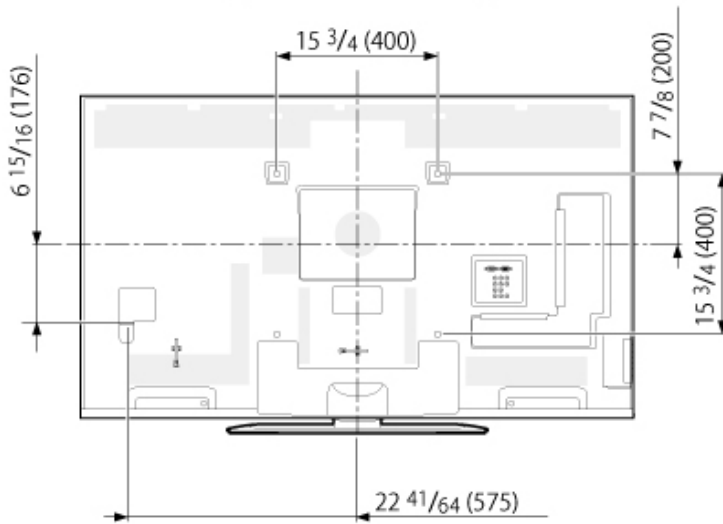
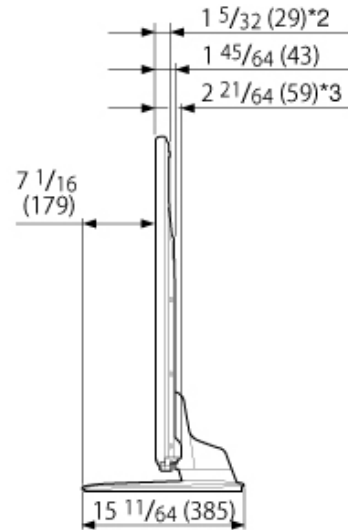
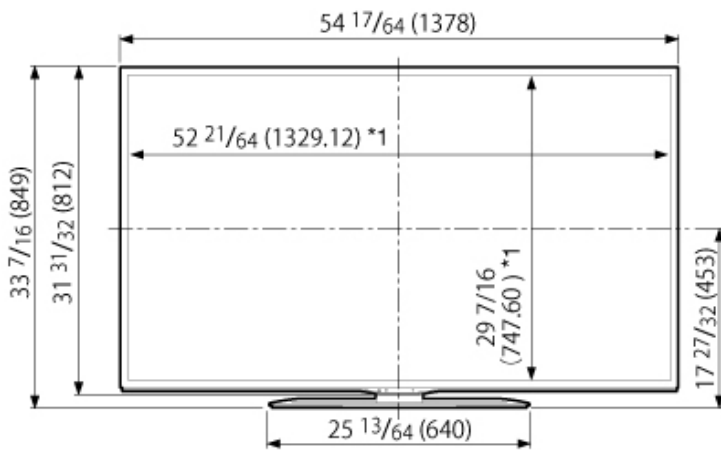
\*1 Active area/Área activa/Zona active

\*2 Thinnest part/Parte más delgada/Partie la plus mince

\*3 Including projecting parts/Incluyendo partes salientes/Parties saillantes incluses

LC-60TQ15U

Unit: inch (mm)  
 Unité: pouce (mm)  
 Unidad: pulgada (mm)

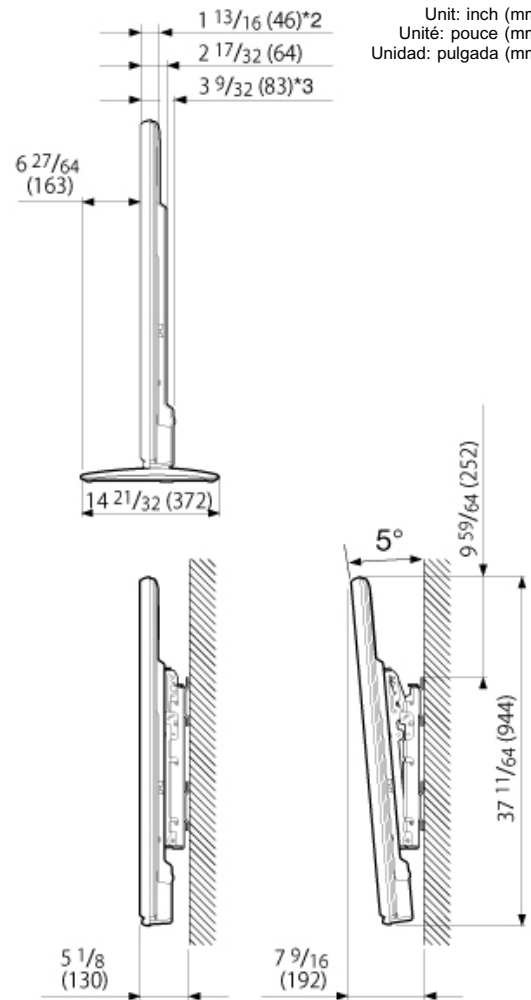
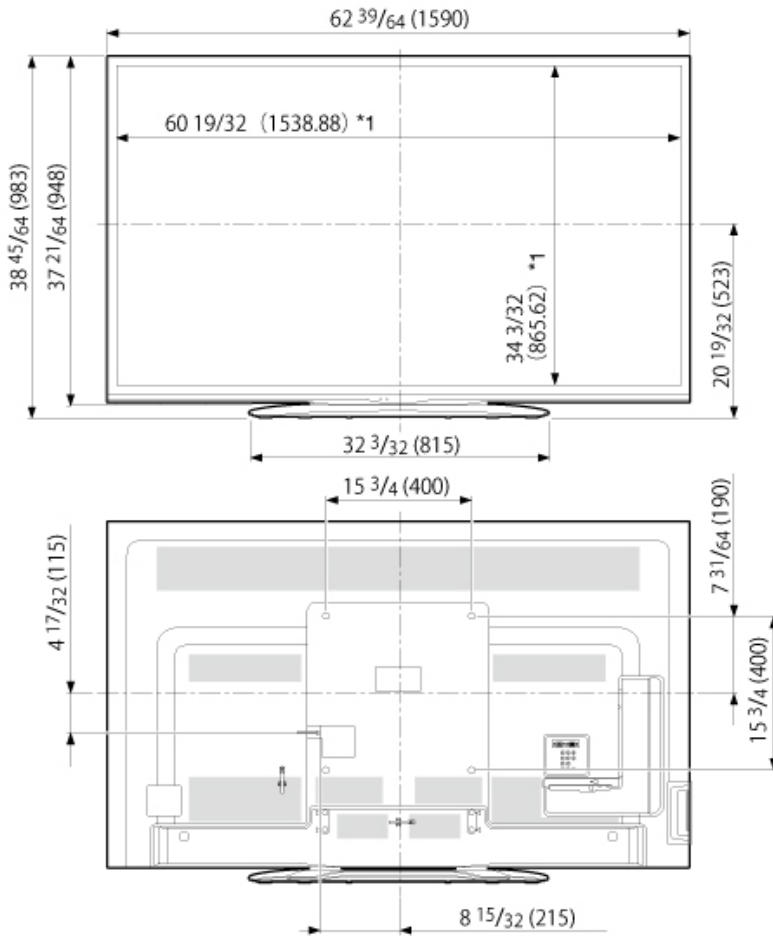


**AN-52AG4**

\*1 Active area/Área activa/Zona active  
 \*2 Thinnest part/Parte más delgada/Partie la plus mince  
 \*3 Including projecting parts/Incluyendo partes salientes/Parties saillantes incluses

LC-70SQ17U/LC-70SQ15U/LC-70SQ10U/LC-70EQ10U

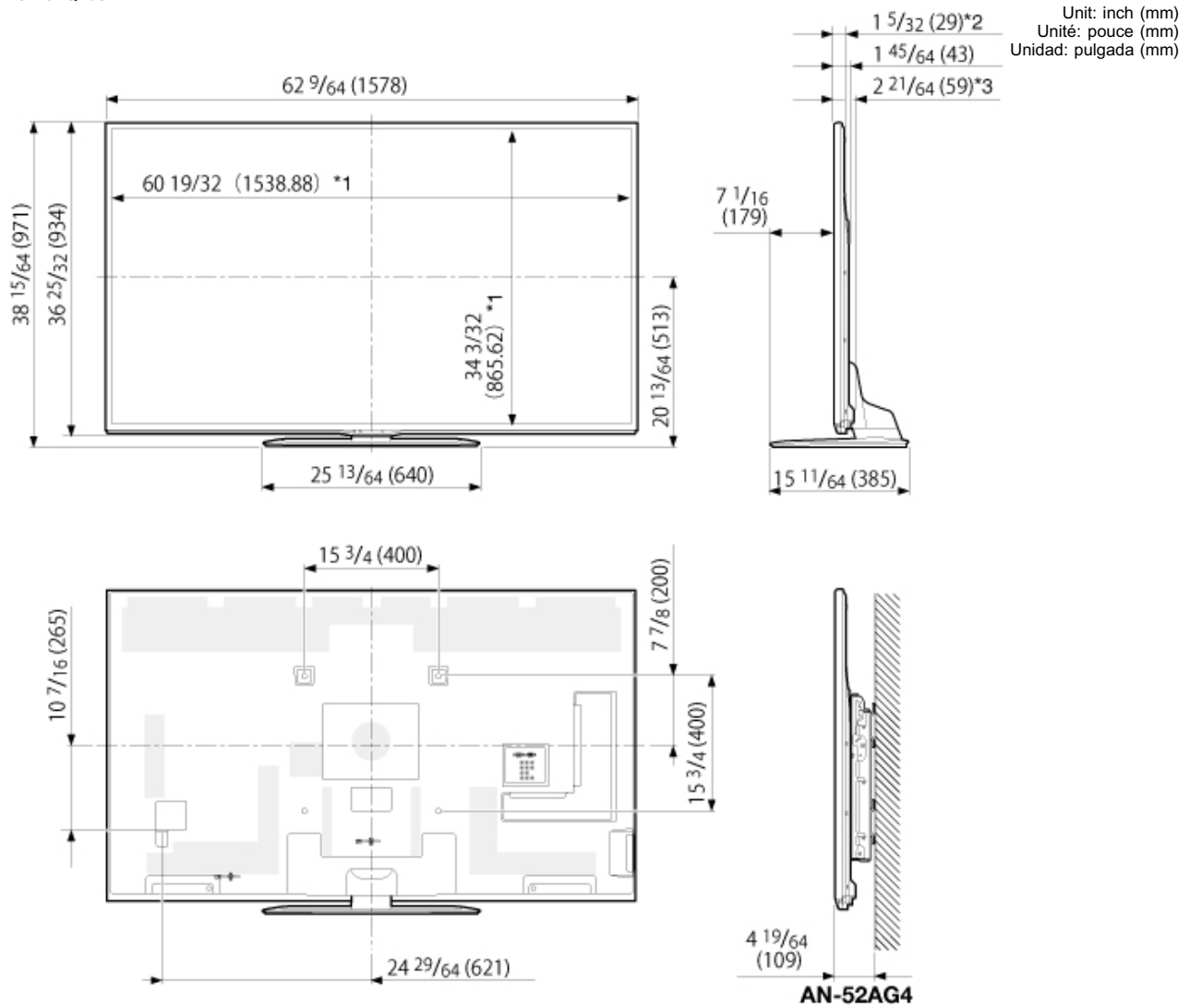
Unit: inch (mm)  
Unité: pouce (mm)  
Unidad: pulgada (mm)



AN-52AG4

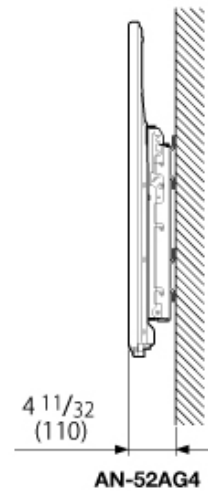
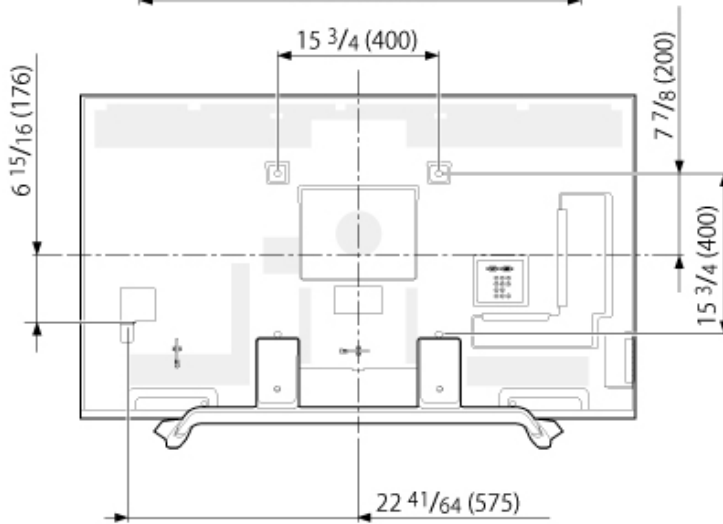
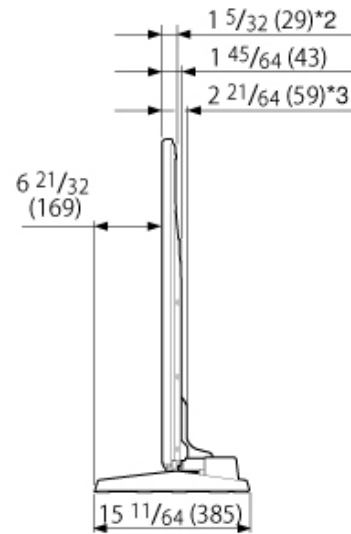
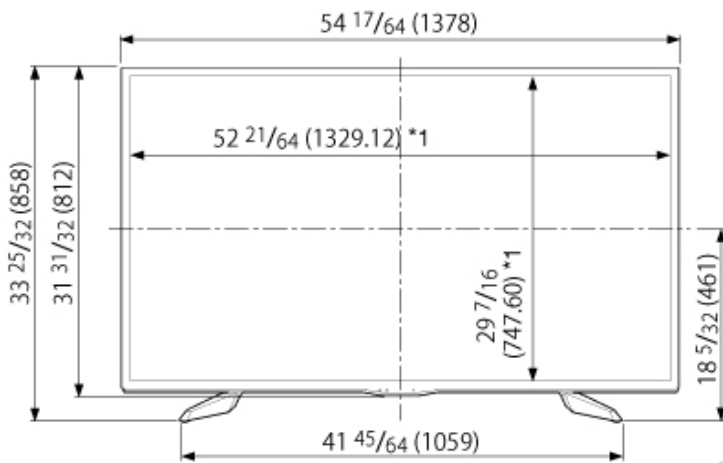
\*1 Active area/Área activa/Zone active  
\*2 Thinnest part/Parte más delgada/Partie la plus mince  
\*3 Including projecting parts/Incluyendo partes salientes/Parties saillantes incluses

LC-70TQ15U



\*1 Active area/Área activa/Zone active  
 \*2 Thinnest part/Parte más delgada/Partie la plus mince  
 \*3 Including projecting parts/Incluyendo partes salientes/Parties saillantes incluses

LC-60UQ17U

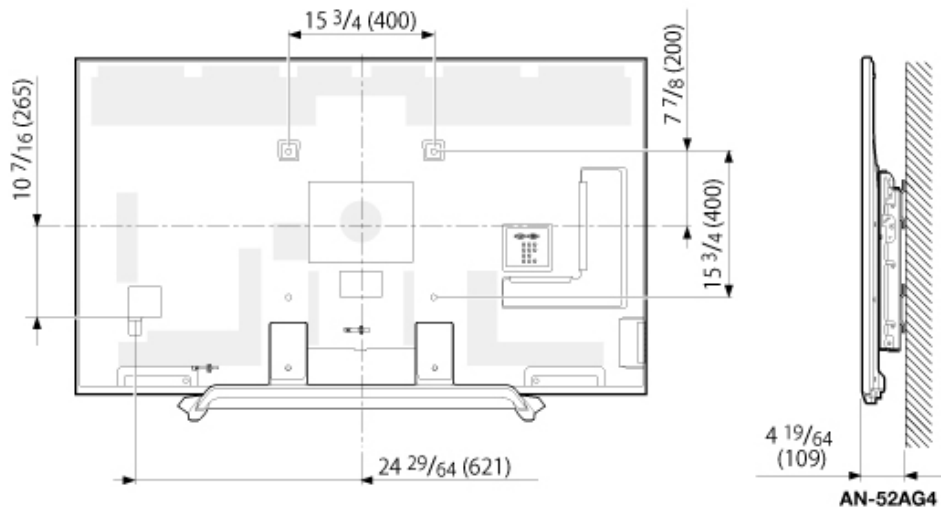
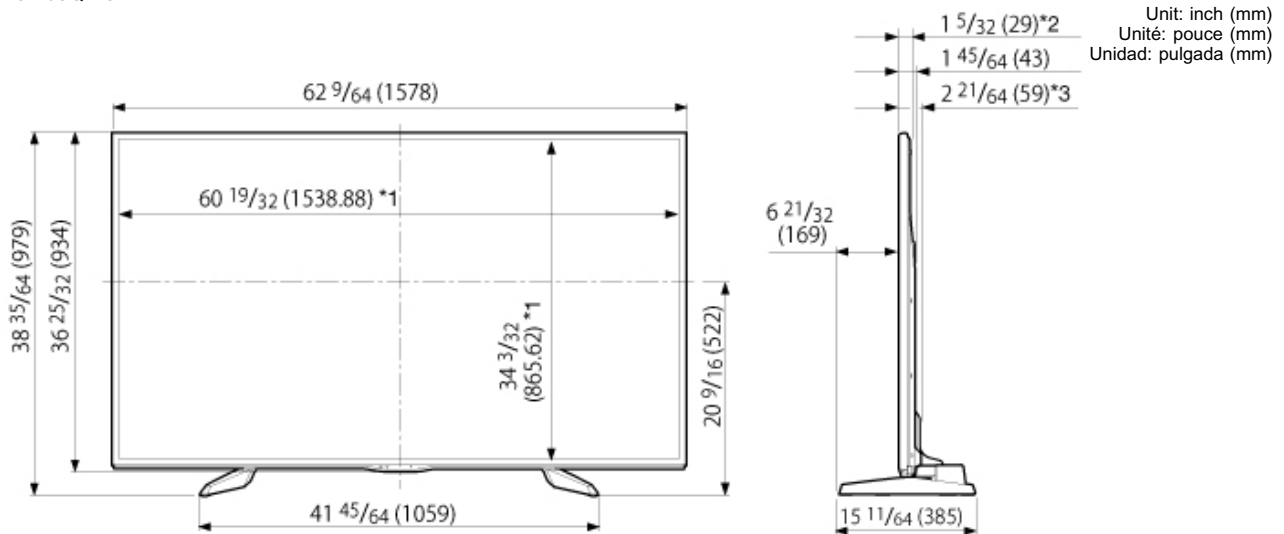


AN-52AG4

Unit: inch (mm)  
Unité: pouce (mm)  
Unidad: pulgada (mm)

\*1 Active area/Área activa/Zona active  
\*2 Thinnest part/Parte más delgada/Partie la plus mince  
\*3 Including projecting parts/Incluyendo partes salientes/Parties saillantes incluses

LC-70UQ17U



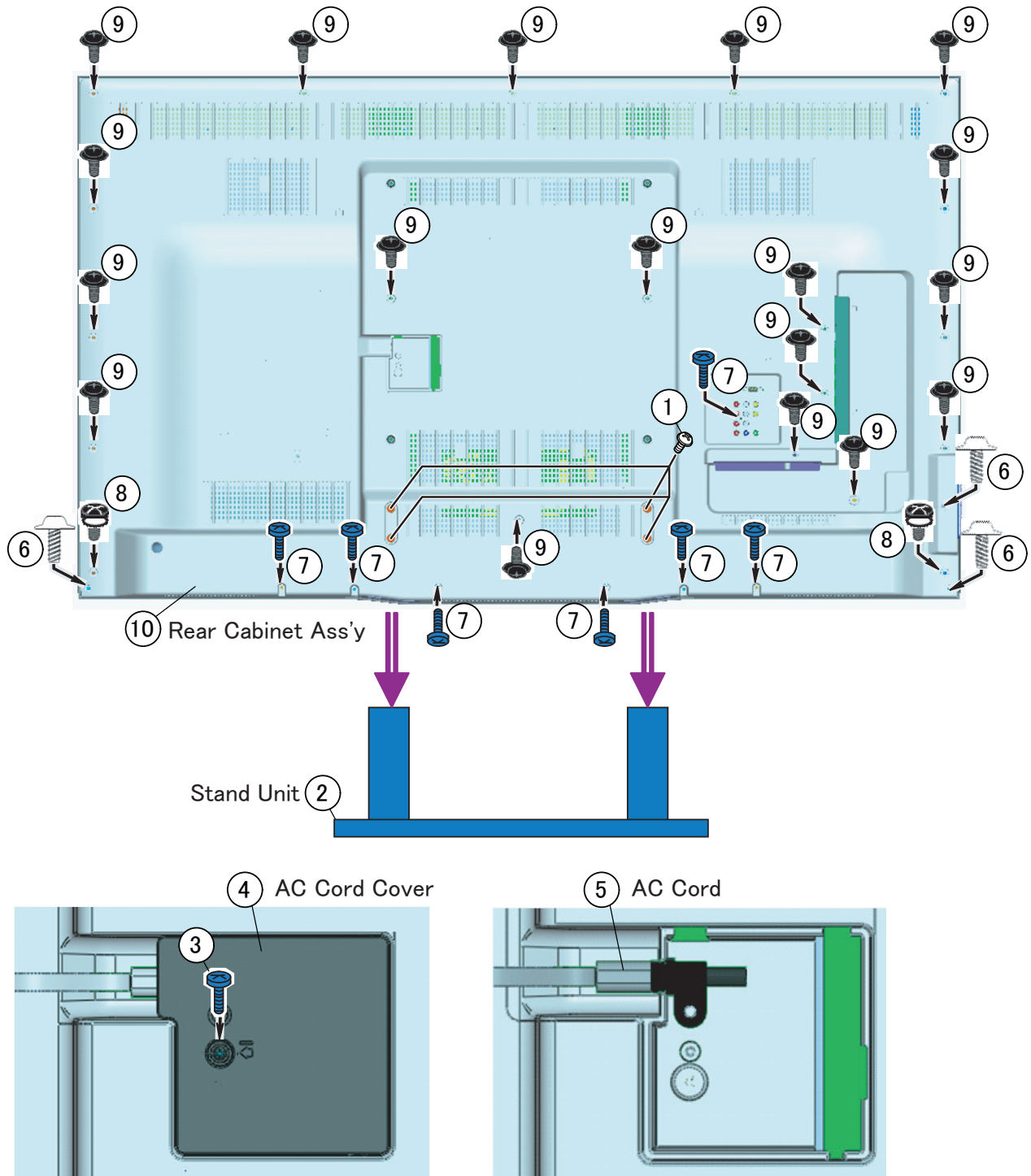
\*1 Active area/Área activa/Zona active  
 \*2 Thinnest part/Parte más delgada/Partie la plus mince  
 \*3 Including projecting parts/Incluyendo partes salientes/Parties saillantes incluses

## CHAPTER 4. REMOVING OF MAJOR PARTS

### [1] REMOVING OF MAJOR PARTS (LC-60EQ10U/SQ10U,15U,17U)

#### 1. Removing of Stand Unit and Rear Cabinet Ass'y.

1. Remove the 4 lock screws (1) and detach the Stand Unit (2).
2. Remove the 1 lock screw (3) and detach the AC Cord Cover (4).
3. Disconnect AC Wire and detach the AC Cord (5).
4. Remove the 3 lock screws (6), 7 lock screws (7), 2 lock screws (8), 18 lock screws (9) and detach the Rear Cabinet Ass'y (10).



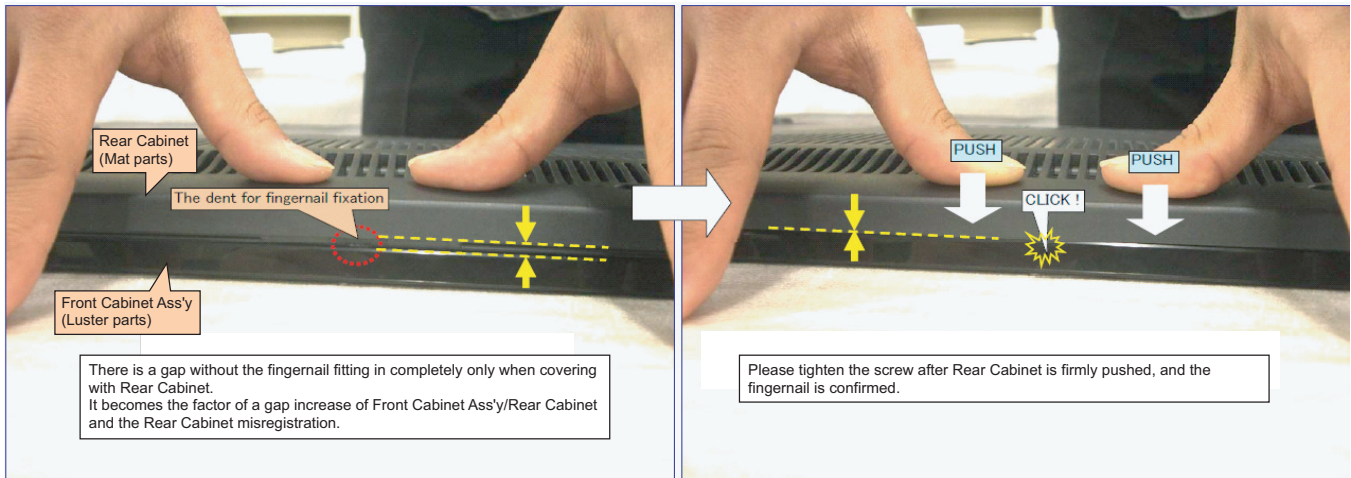
NOTE: ⑧ only these places use different screws (plastic screws).  
These are for heat measures. Please be careful.

**[Precautions when fixing the Rear Cabinet]**

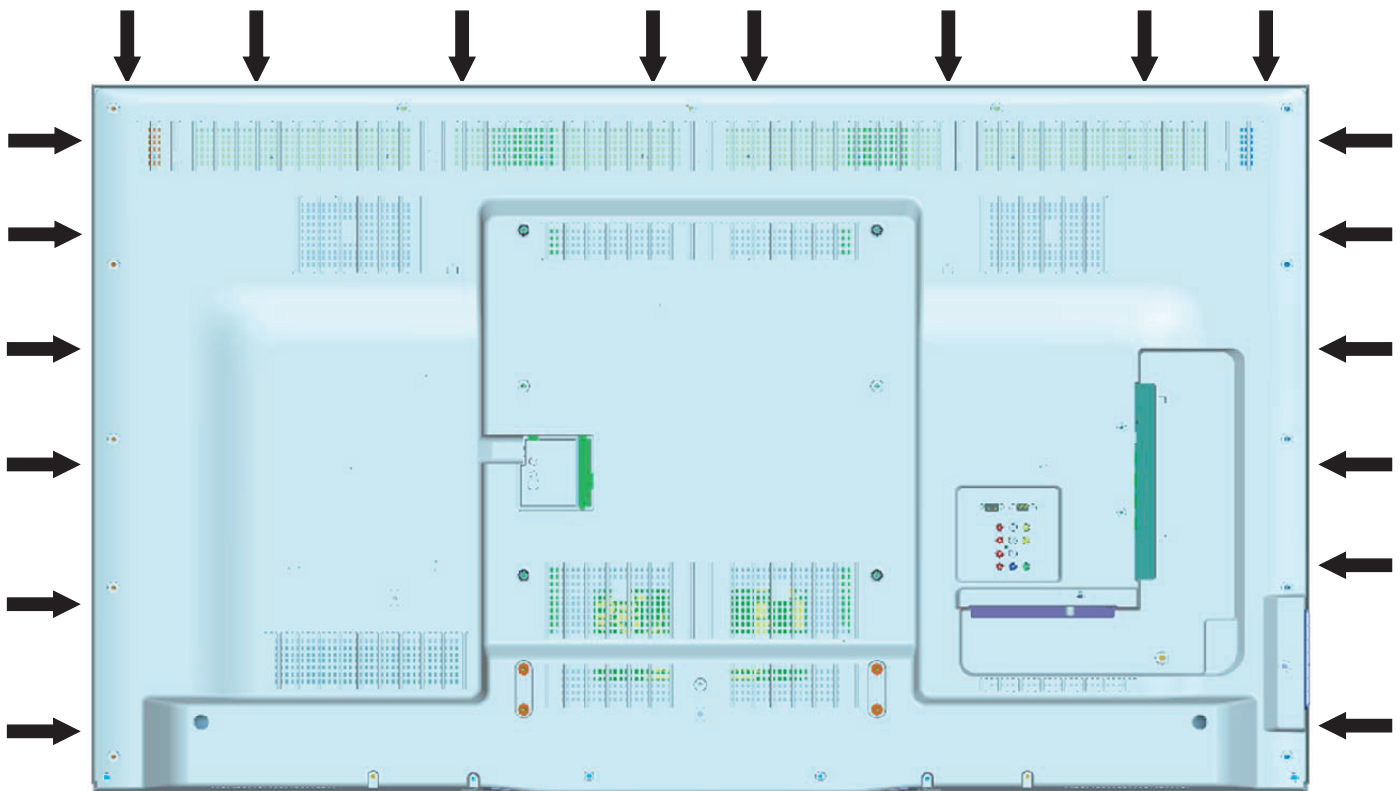
When fixing the Rear Cabinet, be careful not to catch the backlight LED harness, speaker harness and other harnesses in it.

- The hooks on the external wall of the Rear Cabinet are fitted in the Front Cabinet Ass'y. After putting the Rear Cabinet in place, fit the hooks securely; then tighten the screws.

**(Work method of Rear Cabinet fixation)**

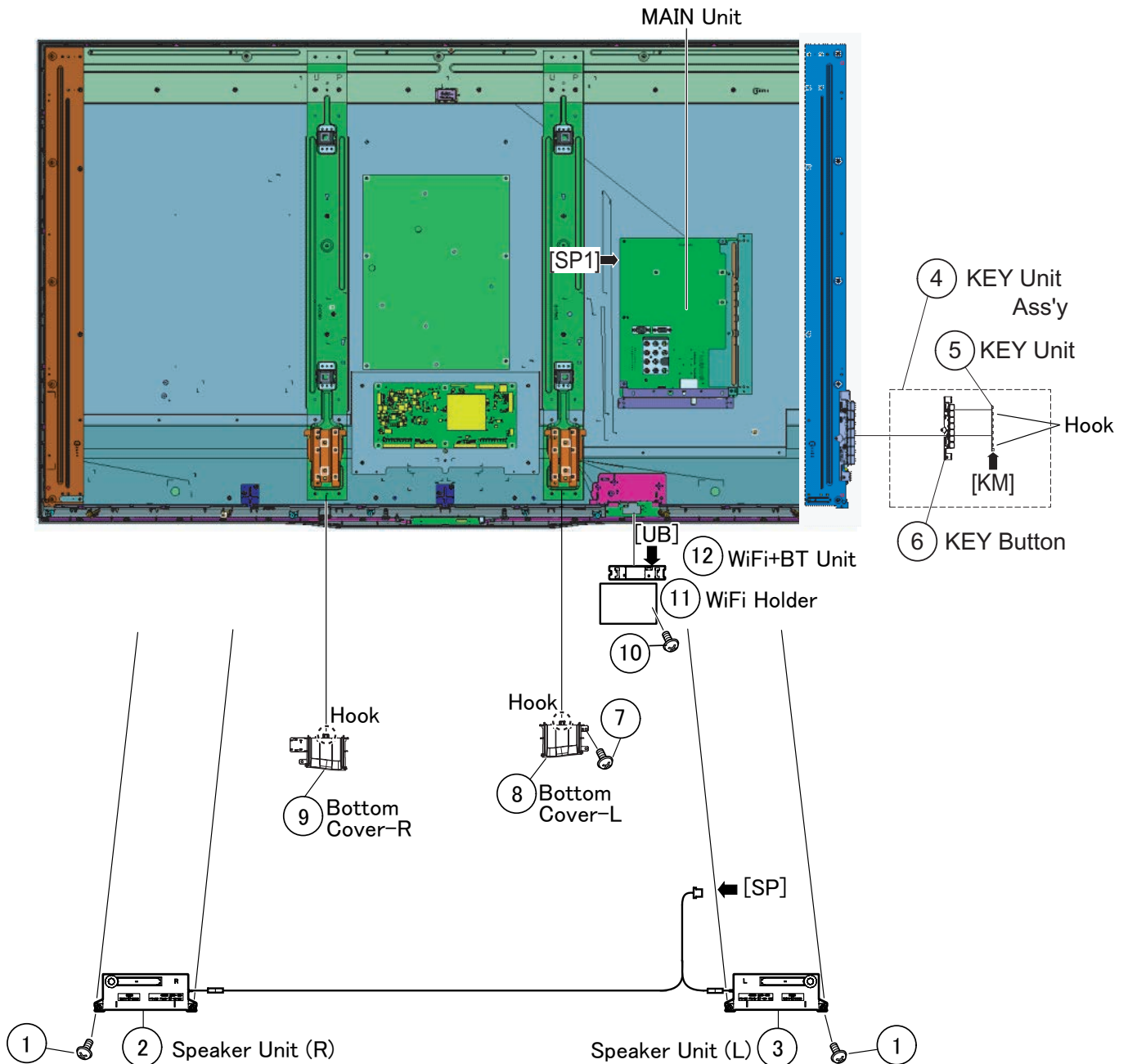


**(Front Cabinet Ass'y/Rear Cabinet fingernail fixation place)**



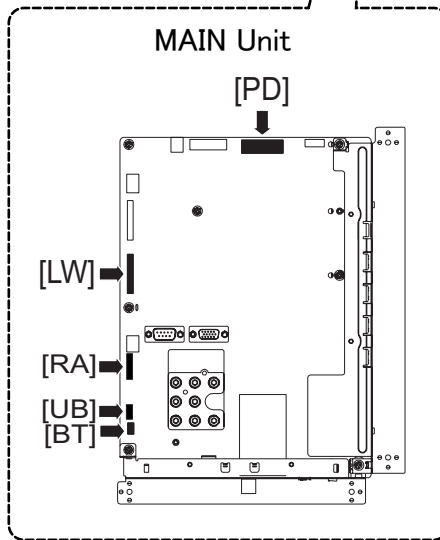
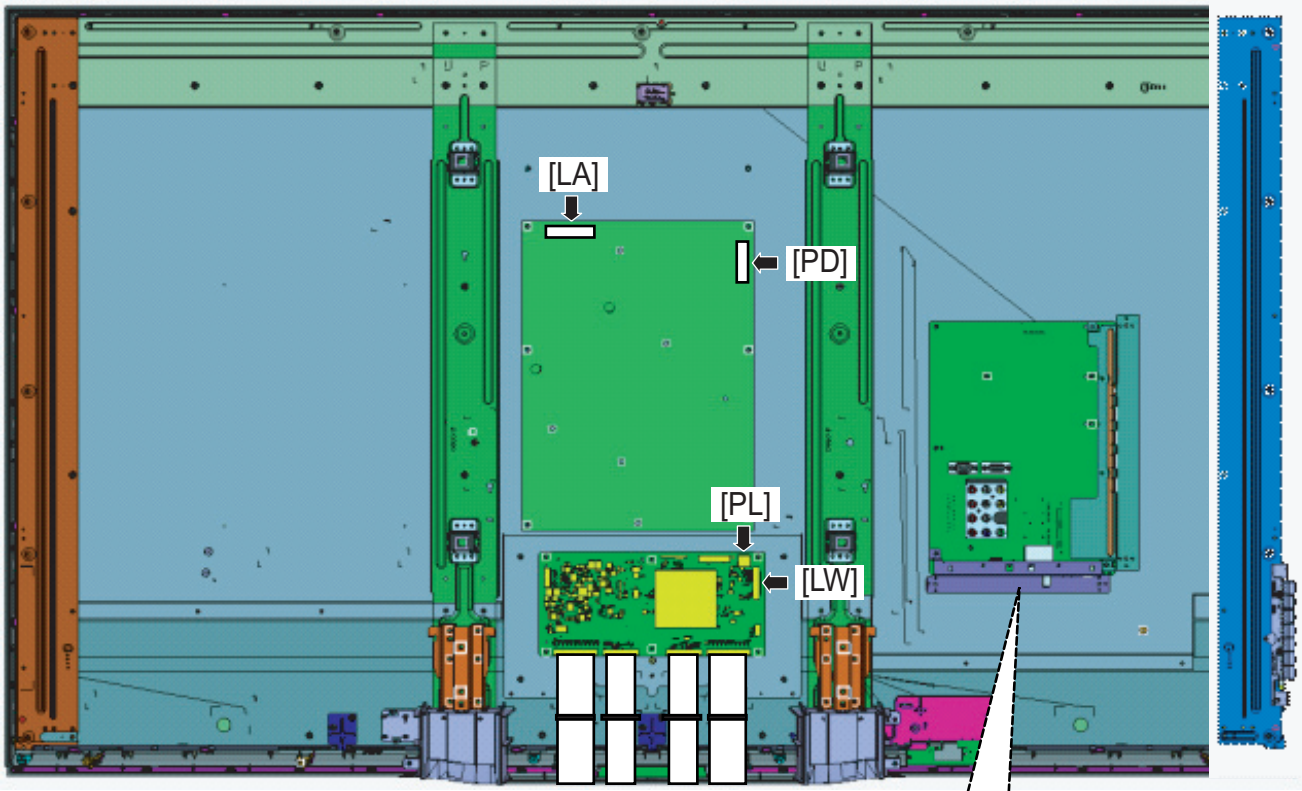
## 2. Removing of Speaker (L/R), KEY Unit Ass'y and Bottom Cover (L/R).

1. Remove the 2 lock screws (1) and detach the Speaker Unit (R) (2), Speaker Unit (L) (3).
2. Disconnect the SP1 Wire.
3. Detach the KEY Unit Ass'y (4).
4. Remove the KM Wire.
5. Remove the 2 Hooks and detach the KEY Unit (5) from the KEY Button (6).
6. Remove the 1 lock screw (7), 6 Hooks and detach the Bottom Cover-L (8) and Bottom Cover-R (9).
7. Remove the 1 lock screw (10) and detach the WiFi Holder (11).
8. Detach the WiFi+BT Unit (12) from the WiFi Holder (11).
9. Remove the UB Wire.



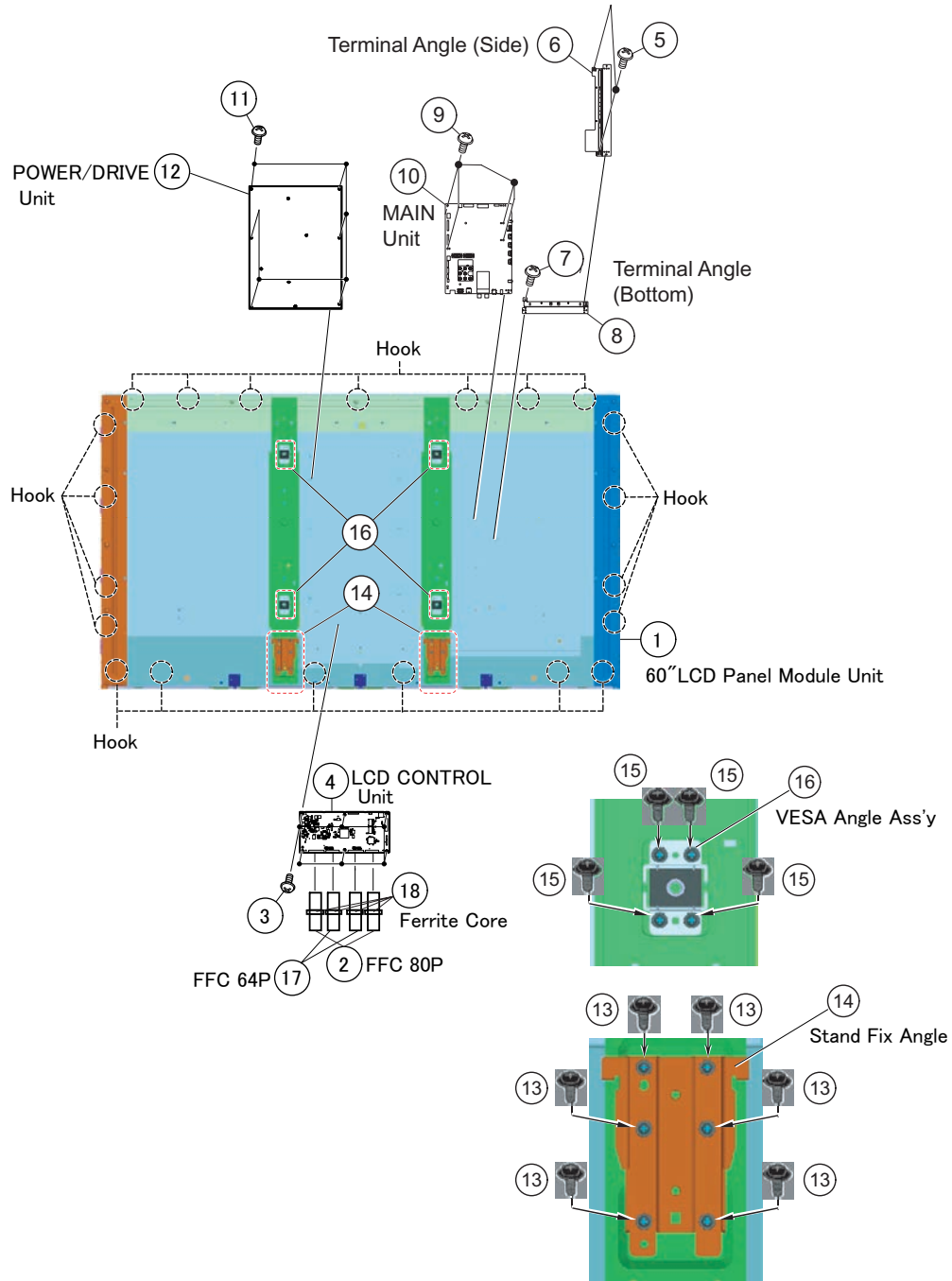
### 3. Removing of Connectors

1. Disconnect the following connectors from the MAIN Unit. (PD, LW, UB, BT,RA)
2. Disconnect the following connectors from the POWER/DRIVE Unit. (PD, LA)
3. Disconnect the following connectors from the LCD CONTROL Unit. (PL, LW)



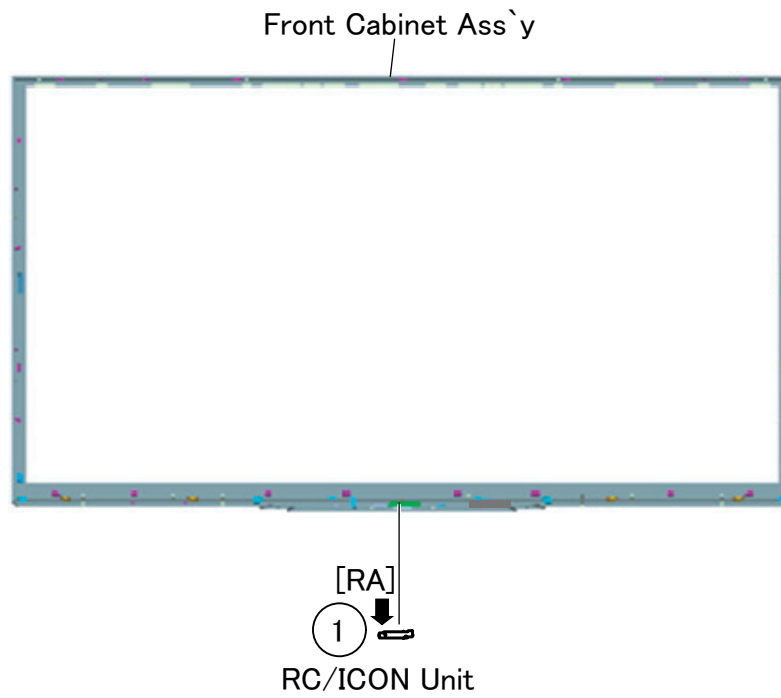
**4. Removing of 60" LCD Panel Module Unit, LCD CONTROL Unit, MAIN Unit, POWER/DRIVE Unit.**

1. Remove the 21 Hooks and Detach the 60" LCD Panel Module Unit (1).
2. Remove the 2 Connecting Cords(FFC80P) (2), 2 Connecting Cords(FFC64P) (17), 4 Ferrite Cores (18).
3. Remove the 6 lock screws (3) and detach the LCD CONTROL Unit (4).
4. Remove the 2 lock screws (5) and detach the Terminal Angle (Side) (6).
5. Remove the 1 lock screw (7) and detach the Terminal Angle (Bottom) (8).
6. Remove the 4 lock screws (9) and detach the MAIN Unit (10).
7. Remove the 6 lock screws (11) and detach the POWER/DRIVE Unit (12).
8. Remove the 12 lock screws (13) 2 Stand Fix Angles (14).
9. Remove the 16 lock screws (15) 4 VESA Angle Ass'y (16).



**5. Removing of RC/ICON Unit.**

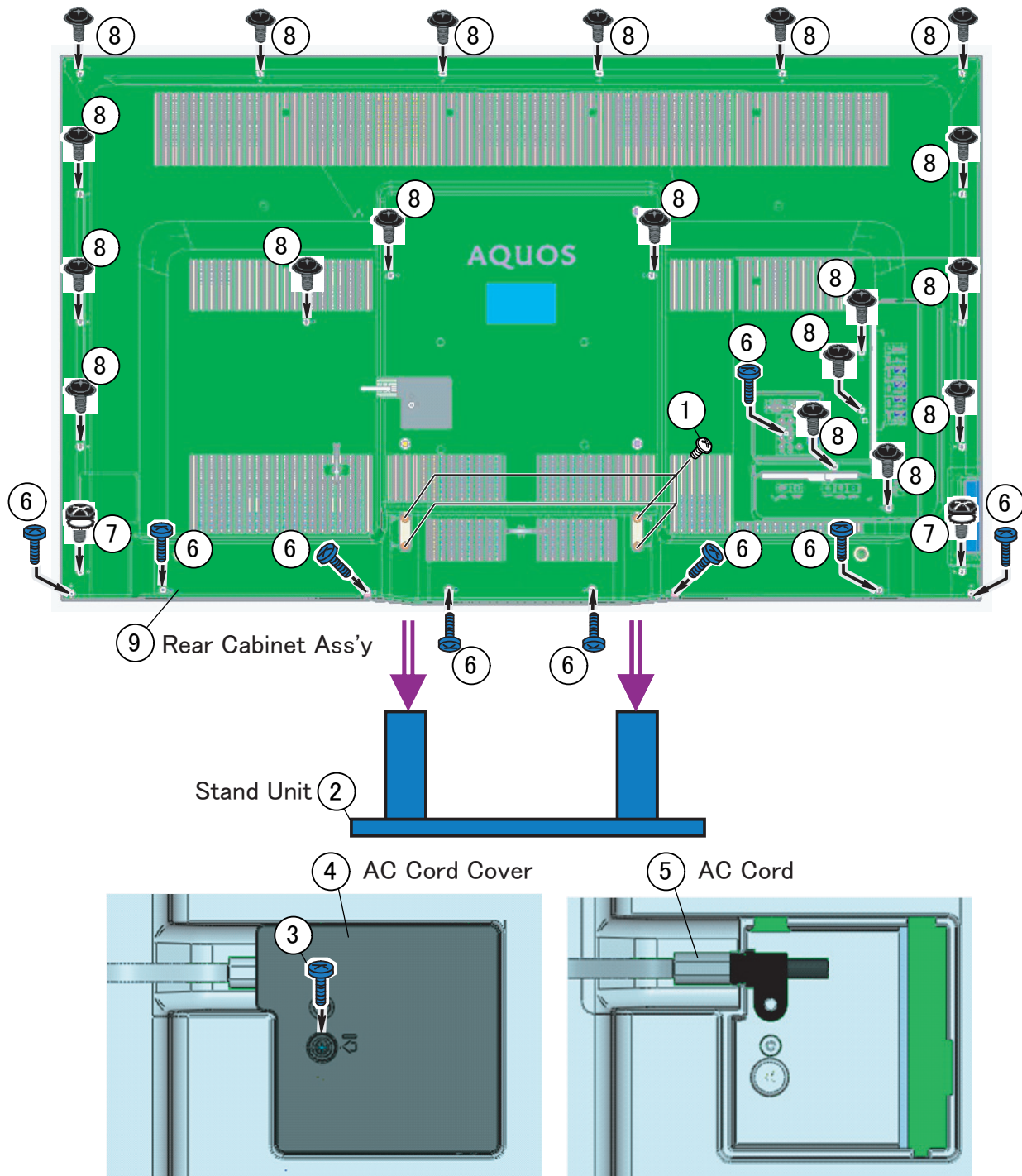
1. Detach the RC/ICON Unit (1).
2. Disconnect the RA Wire.



## [2] REMOVING OF MAJOR PARTS (LC-70EQ10U/SQ10U,15U,17U)

### 1. Removing of Stand Unit and Rear Cabinet Ass'y.

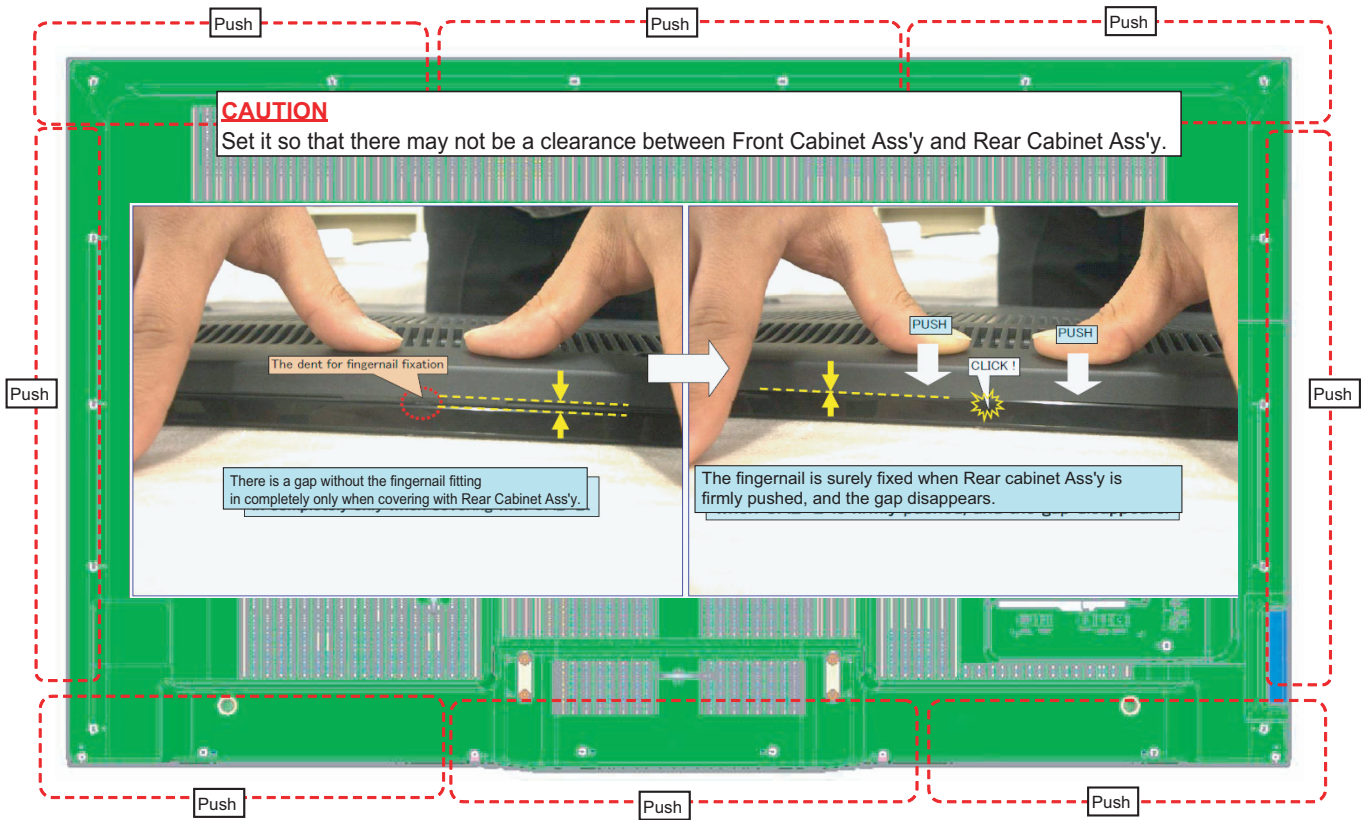
1. Remove the 4 lock screws (1) and detach the Stand Unit (2).
2. Remove the 1 lock screw (3) and detach the AC Cord Cover (4).
3. Disconnect AC Wire and detach the AC Cord (5).
4. Remove the 9 lock screws (6), 2 lock screws (7), 19 lock screws (8) and detach the Rear Cabinet Ass'y (9).



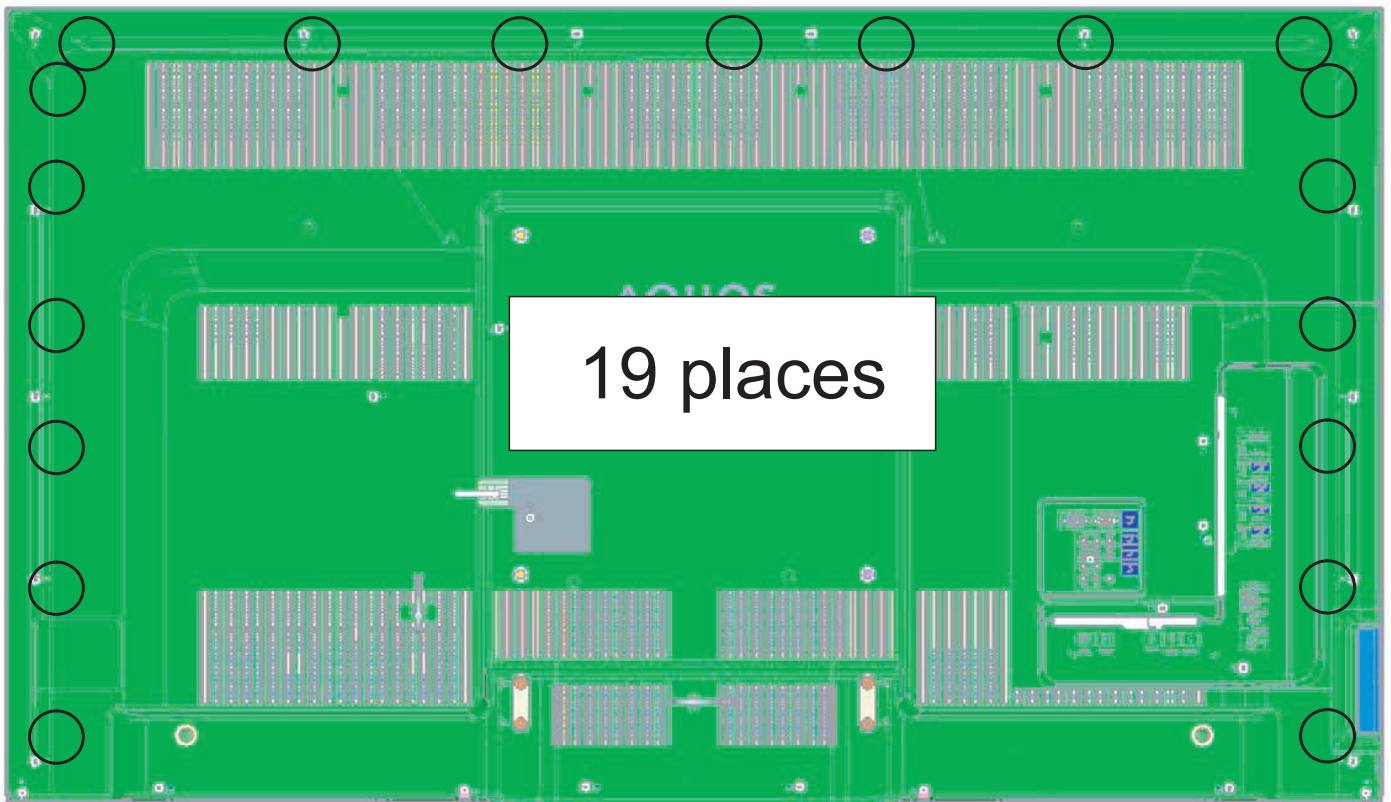
NOTE: ⑦ only these places use different screws (plastic screws).

These are for heat measures. Please be careful.

[Precautions for assembly]

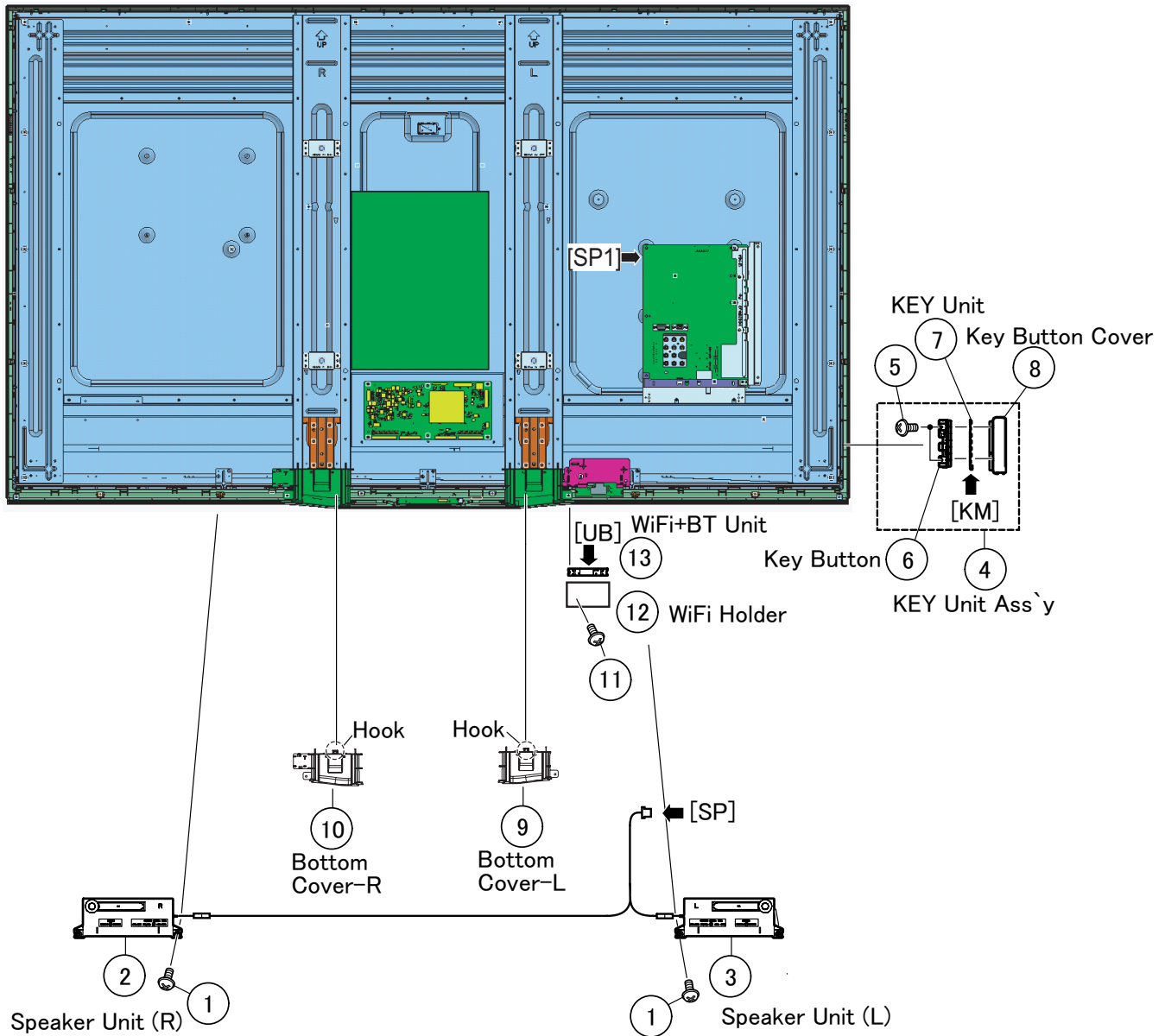


(Front Cabinet Ass'y/Rear Cabinet Ass'y fingernail fixation place)



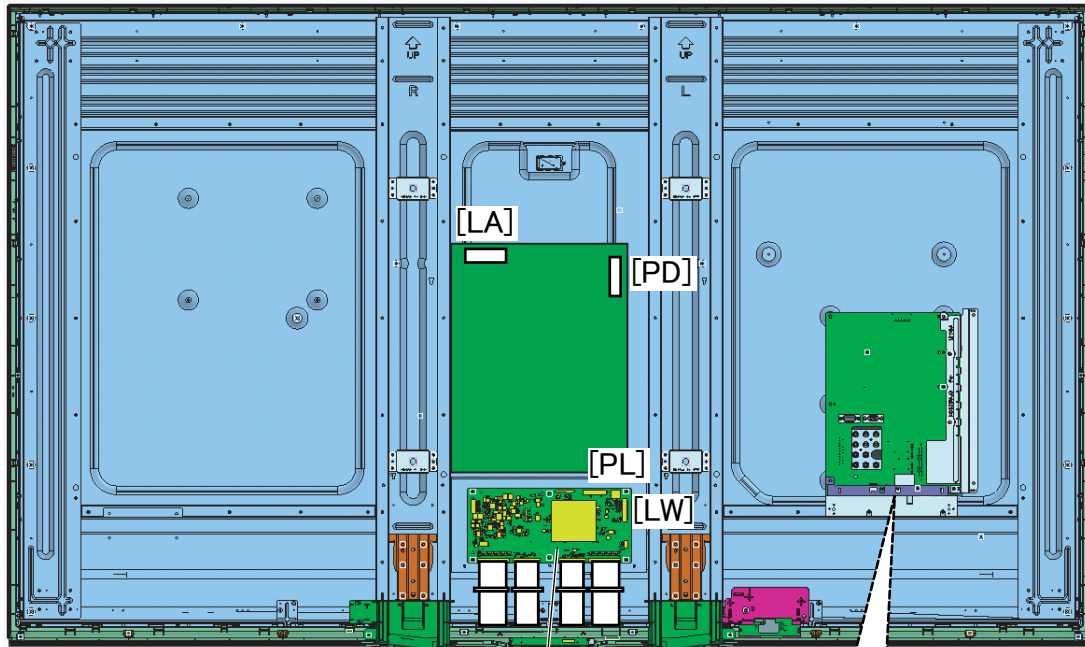
## 2. Removing of Speaker (L/R), KEY Unit and Bottom Cover (L/R).

1. Remove the 2 lock screws (1) and detach the Speaker Unit (R) (2), Speaker Unit (L) (3).
2. Disconnect the SP1 Wire.
3. Detach the KEY Unit Ass'y (4).
4. Remove the KM Wire.
5. Remove the 2 lock screws (5) and detach the KEY Button (6) from the KEY Button Cover (8).
6. Detach the KEY Unit (7) from KEY Button Cover (8).
7. Remove the 6 Hooks and detach the Bottom Cover-L (9) and Bottom Cover-R (10).
8. Remove the 1 lock screw (11) and detach the WiFi Holder (12).
9. Detach the WiFi+BT Unit (13) from the WiFi Holder (12).
10. Remove the UB Wire.

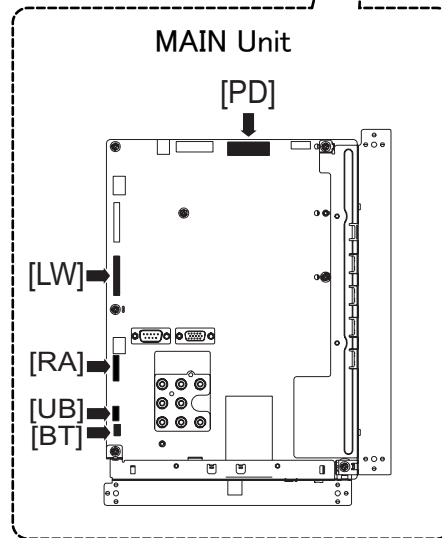


### 3. Removing of Connectors

1. Disconnect the following connectors from the MAIN Unit. (PD, LW, UB, BT,RA)
2. Disconnect the following connectors from the POWER/DRIVE Unit. (PD, LA)
3. Disconnect the following connectors from the LCD CONTROL Unit. (PL, LW)

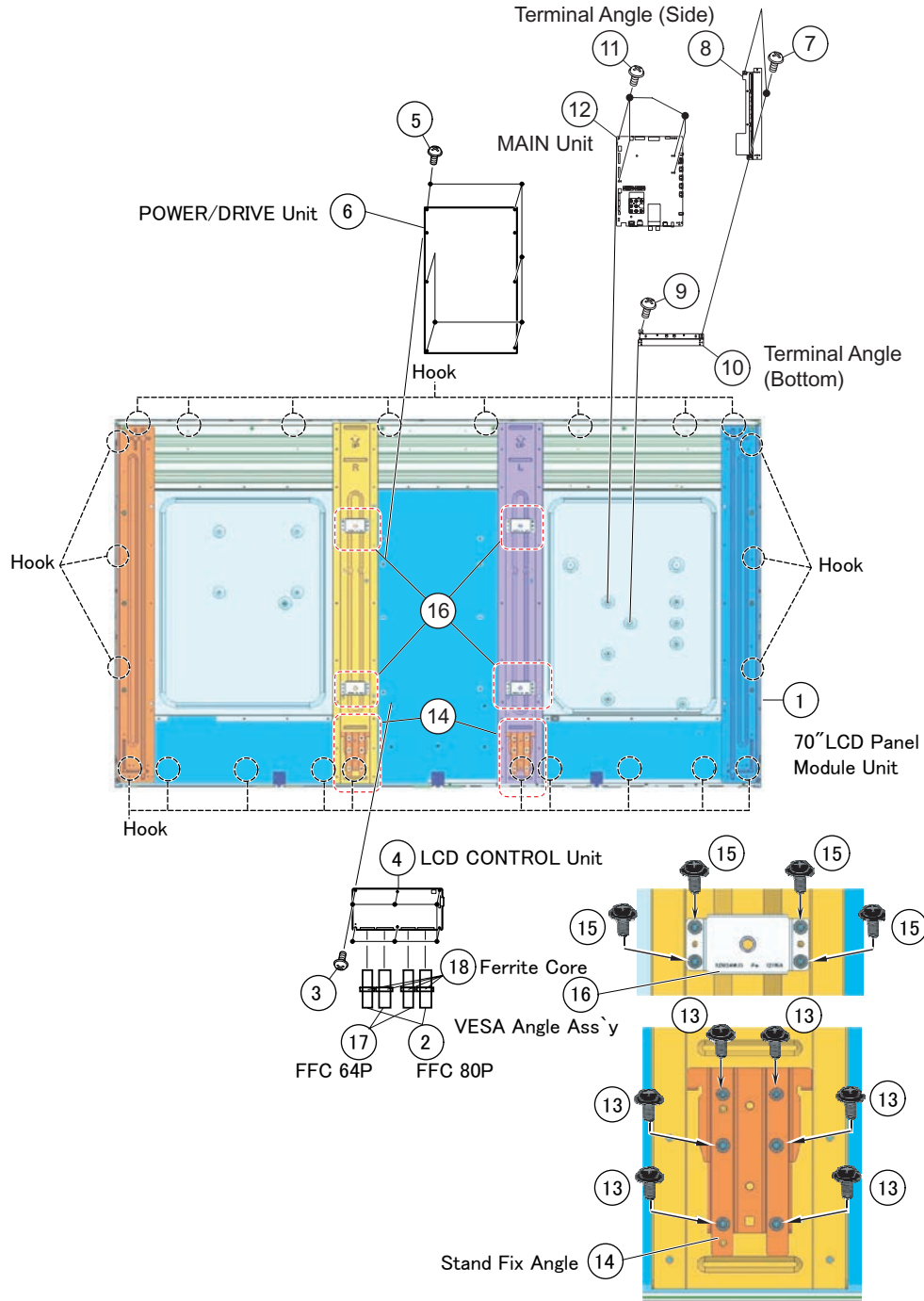


LCD CONTROL Unit



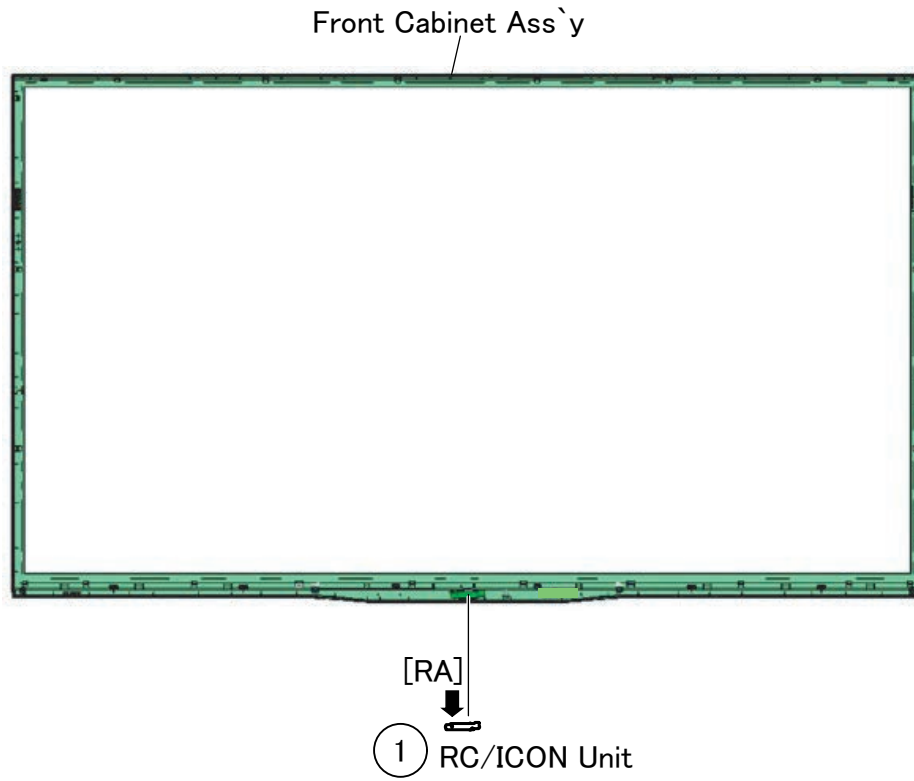
**4. Removing of 70" LCD Panel Module Unit, LCD CONTROL Unit, MAIN Unit, POWER/DRIVE Unit.**

1. Remove the 24 Hooks and Detach the 70" LCD Panel Module Unit (1).
2. Remove the 2 Connecting Cords(FFC80P) (2), 2 Connecting Cords(FFC64P) (17), 4 Ferrite Cores (18).
3. Remove the 6 lock screws (3) and detach the LCD CONTROL Unit (4).
4. Remove the 6 lock screws (5) and detach the POWER/DRIVE Unit (6).
5. Remove the 2 lock screws (7) and detach the Terminal Angle (Side) (8).
6. Remove the 1 lock screw (9) and detach the Terminal Angle (Bottom) (10).
7. Remove the 4 lock screws (11) and detach the MAIN Unit (12).
8. Remove the 12 lock screws (13) 2 Stand Fix Angles (14).
9. Remove the 16 lock screws (15) 4 VESA Angle Ass'y (16).



**5. Removing of RC/ICON Unit.**

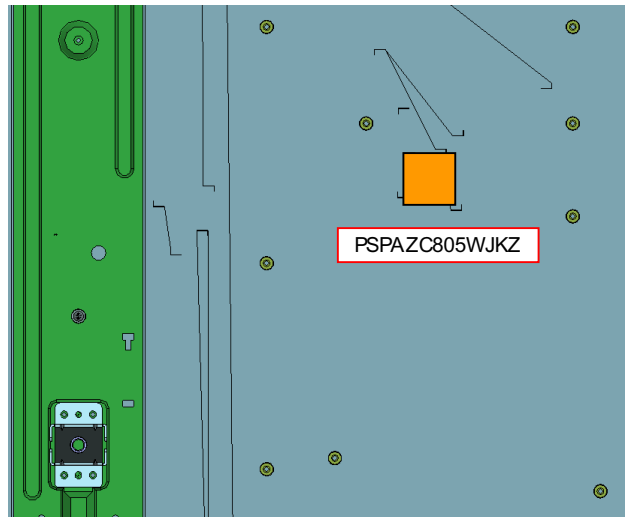
1. Detach the RC/ICON Unit (1).
2. Disconnect the RA Wire.



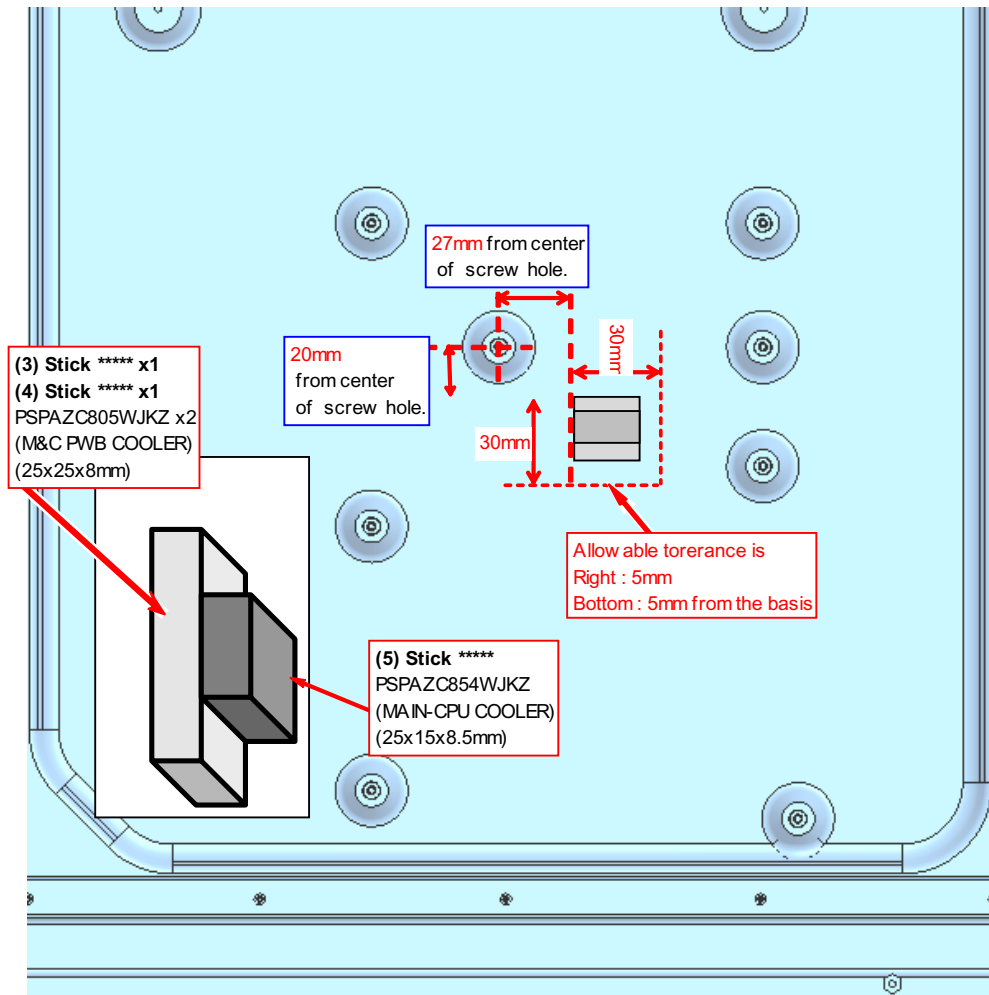
[3] The location putting on the heat measure sheet (LC-60/70EQ10U/SQ10U,15U,17U)

1. MAIN PWB Unit

- LC-60EQ10U/SQ10U,15U,17U



- LC-70EQ10U/SQ10U,15U,17U



## [4] Precautions for assembly (LC-60/70EQ10U/SQ10U,15U,17U)

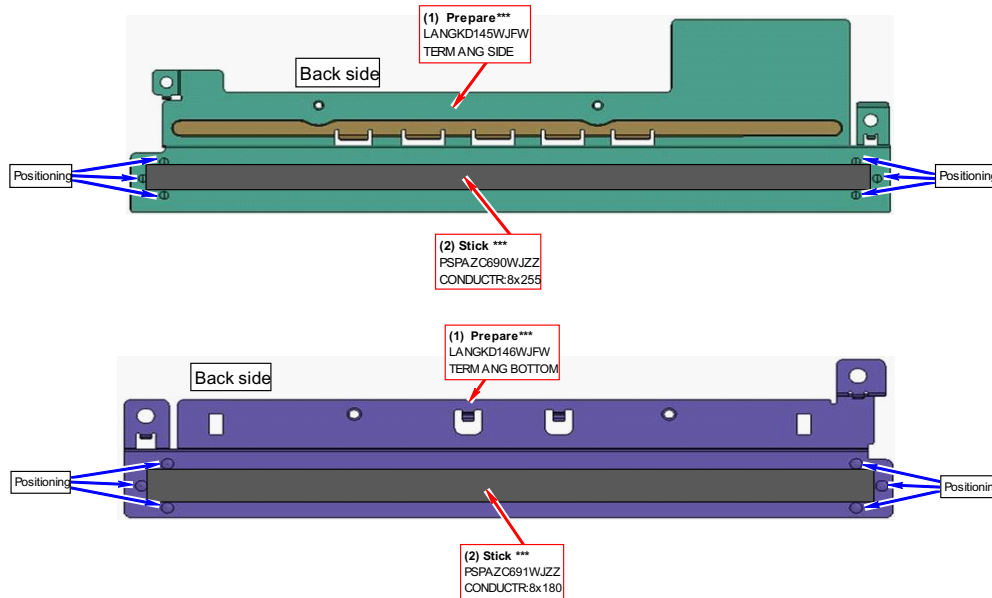
### 1. Points to be checked and precautions when servicing the unit

Mount the main PWB Ass'y on the backlight chassis and check that the EMI-prevention parts are not peeled and twisted from the access holes. (The EMI-prevention parts, conductive nonwoven fabric gaskets, must be seen from the access holes.)

[Countermeasure]

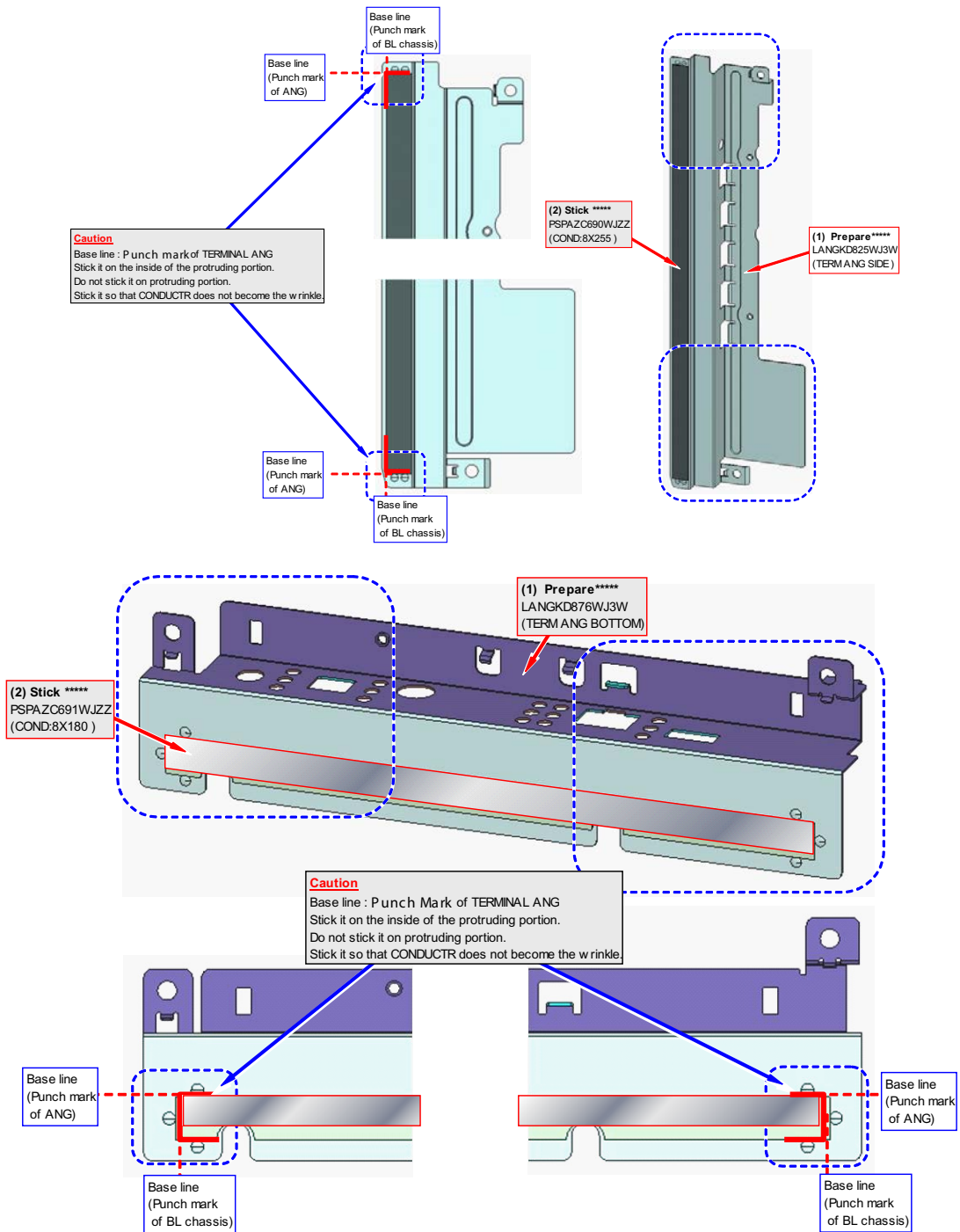
Attach the conductive nonwoven fabric gaskets on the shielded case on the main PWB.

- LC-60EQ10U/SQ10U,15U,17U

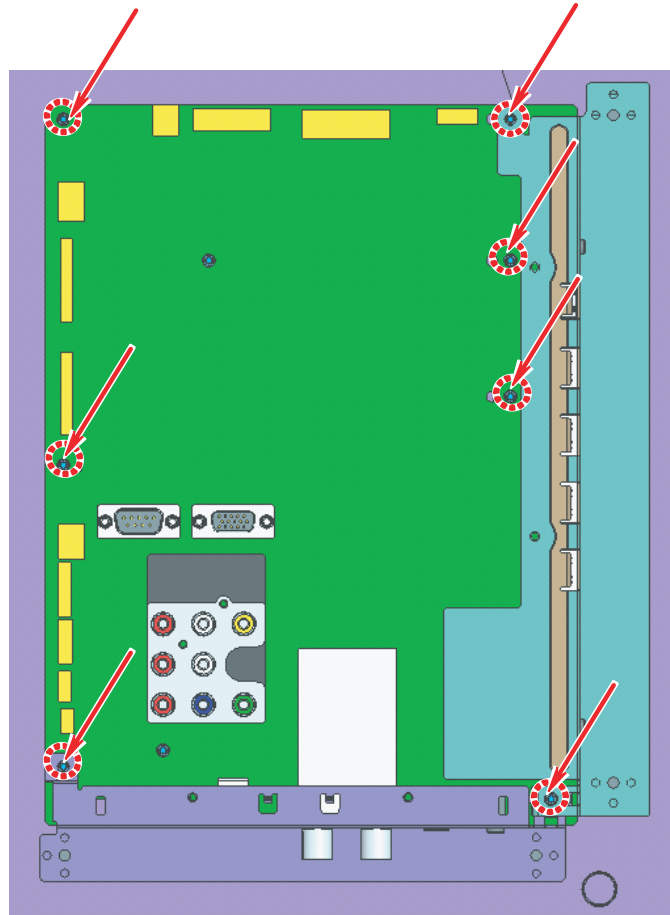


# LC-60/70EQ10U,SQ10U/15U/17U,TQ15U,UQ17U

- LC-70EQ10U/SQ10U,15U,17U



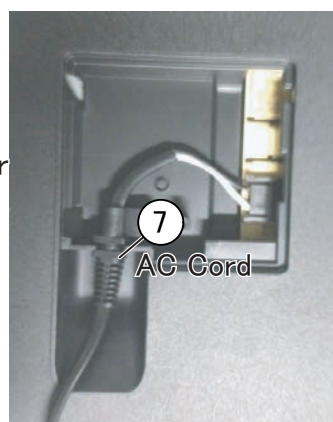
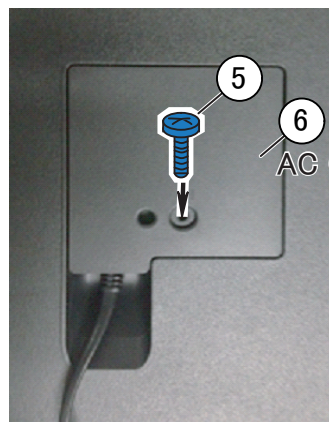
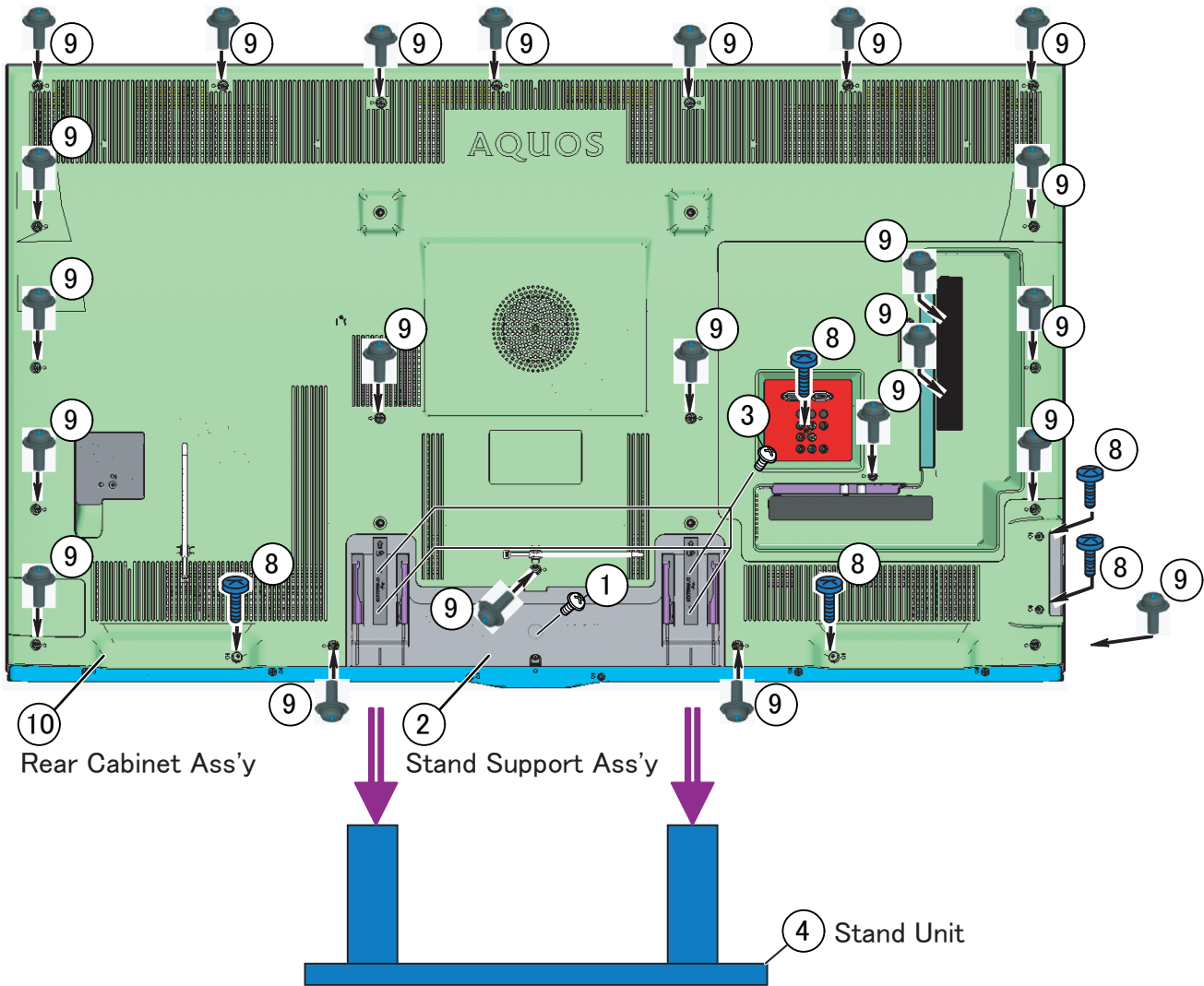
The following is a drawing mounting the main PWB Ass'y on the backlight chassis. (The parts indicated by -> are the access holes for confirmation.)  
(Main PWB Ass'y => State where the shielded case and RF terminal angle are mounted on the main PWB)



## [5] REMOVING OF MAJOR PARTS (LC-60TQ15U)

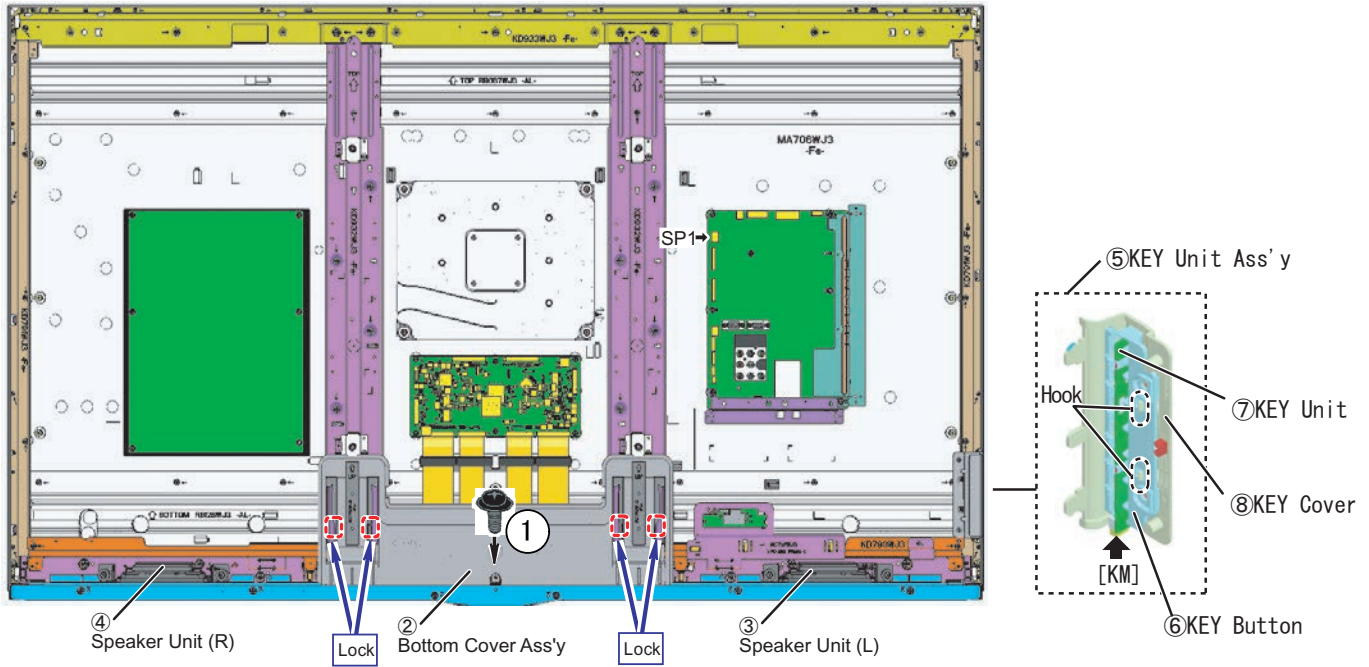
### 1. Removing of Stand Unit and Rear Cabinet Ass'y.

1. Remove the 1 lock screw (1) and detach the Stand Support Ass'y (2).
2. Remove the 4 lock screws (3) and detach the Stand Unit (4).
3. Remove the 1 lock screw (5) and detach the AC Cord Cover (6).
4. Disconnect AC Wire and detach the AC Cord (7).
5. Remove the 5 lock screws (8), 23 lock screws (9) and detach the Rear Cabinet Ass'y (10).



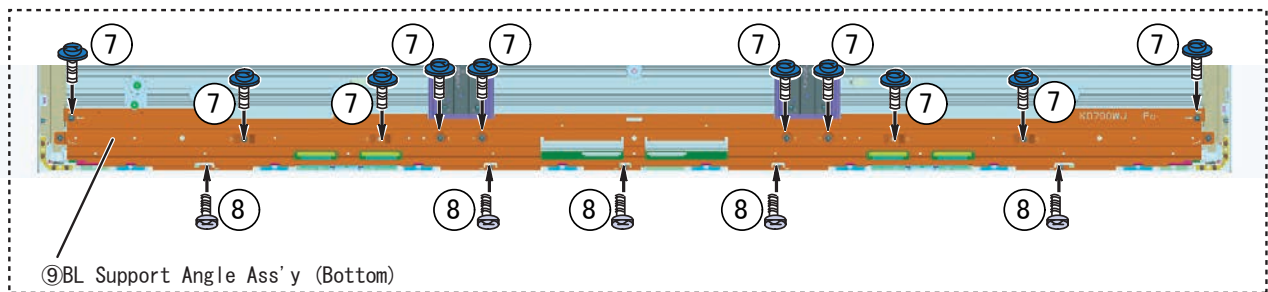
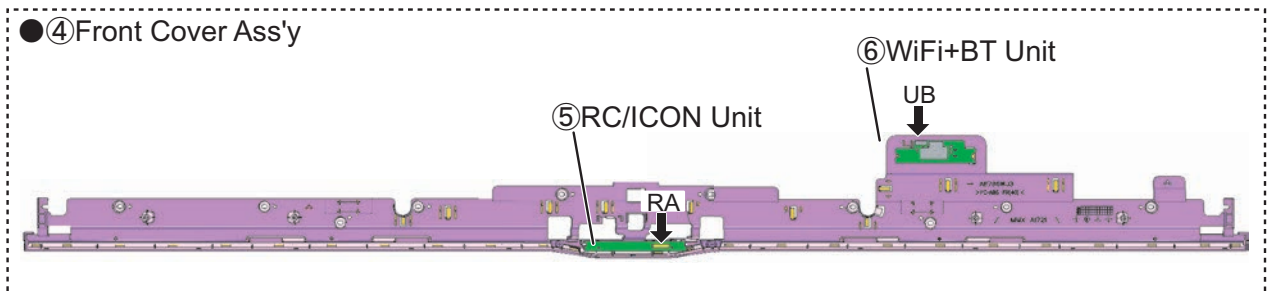
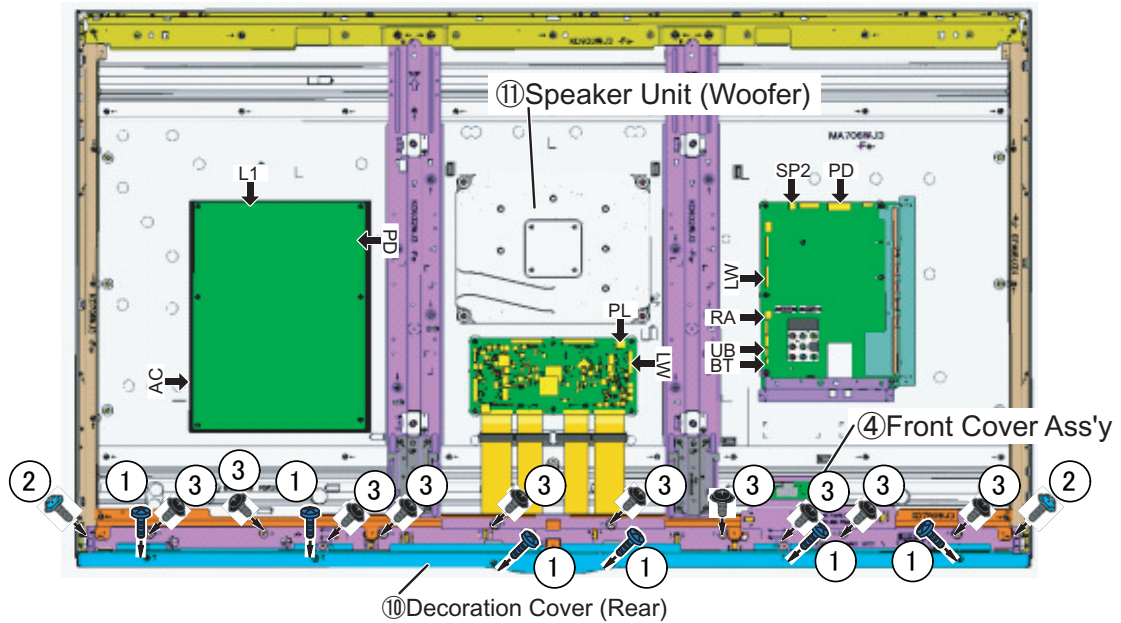
## 2. Removing of Speaker (L/R), KEY Unit and Bottom Cover Ass'y.

1. Remove the 1 lock screw (1) and the 4 Hooks and detach the Bottom Cover Ass'y (2).
2. Detach the Speaker Unit (L) (3), Speaker Unit (R) (4).
3. Disconnect the SP1 Wire.
4. Detach the KEY Unit Ass'y (5).
5. Remove the 2 Hooks and detach the KEY Button (6) from the KEY Cover (8).
6. Remove the KM Wire.
7. Remove the KEY Unit (7) from the KEY Button (6).



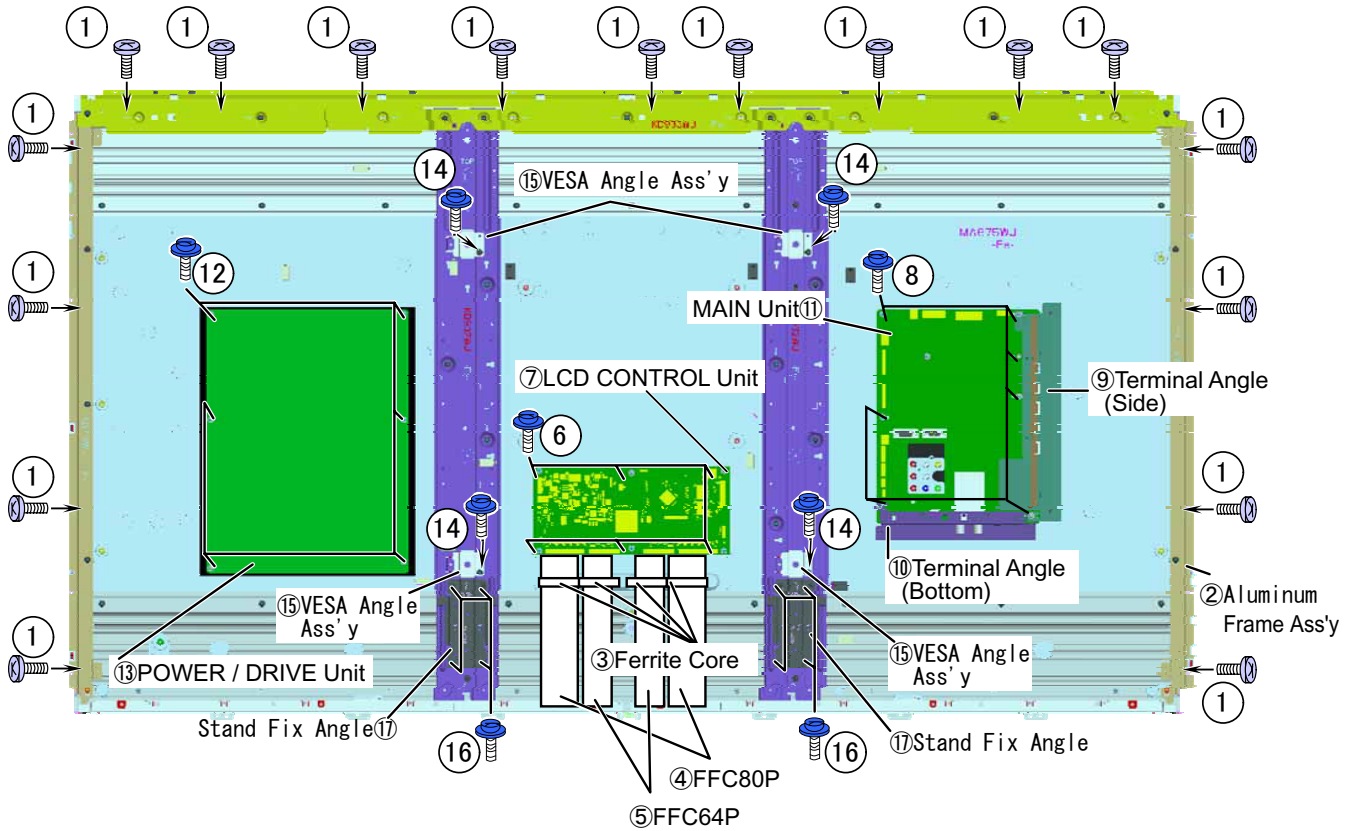
### 3. 3. Removing of connectors and Decoration Cover (Rear), Front Cover Ass'y and BL Support Angle Ass'y (Bottom).

1. Disconnect the following connectors from MAIN Unit. (SP2,PD, LW, RA, UB, BT).
2. Disconnect the following connectors from POWER/DRIVE Unit. (PD, L1).
3. Disconnect the following connectors from LCD CONTROL Unit. (PL, LW).
4. Remove the 2 lock screws (2), 10 lock screws (3) and detach the Front Cover Ass'y (4).
5. Remove the 6 lock screws (1) and detach the Decoration Cover (Rear) (10).
6. Disconnect the following connector from WiFi+BT Unit. (UB)
7. Detach the WiFi+BT Unit (6) from the Front Cover Ass'y.
8. Disconnect the following connector from RC/ICON Unit. (RA).
9. Detach the RC/ICON Unit (5) from the Front Cover Ass'y.
- 10.Remove the 5 lock screws (8), 10 lock screws (7) and detach the BL Support Angle Ass'y (Bottom) (9).
- 11.Detach the Speaker Unit (Woofer) (11).



**4. Removing of 60" LCD Panel Module Unit, LCD CONTROL Unit, MAIN Unit, POWER/DRIVE Unit.**

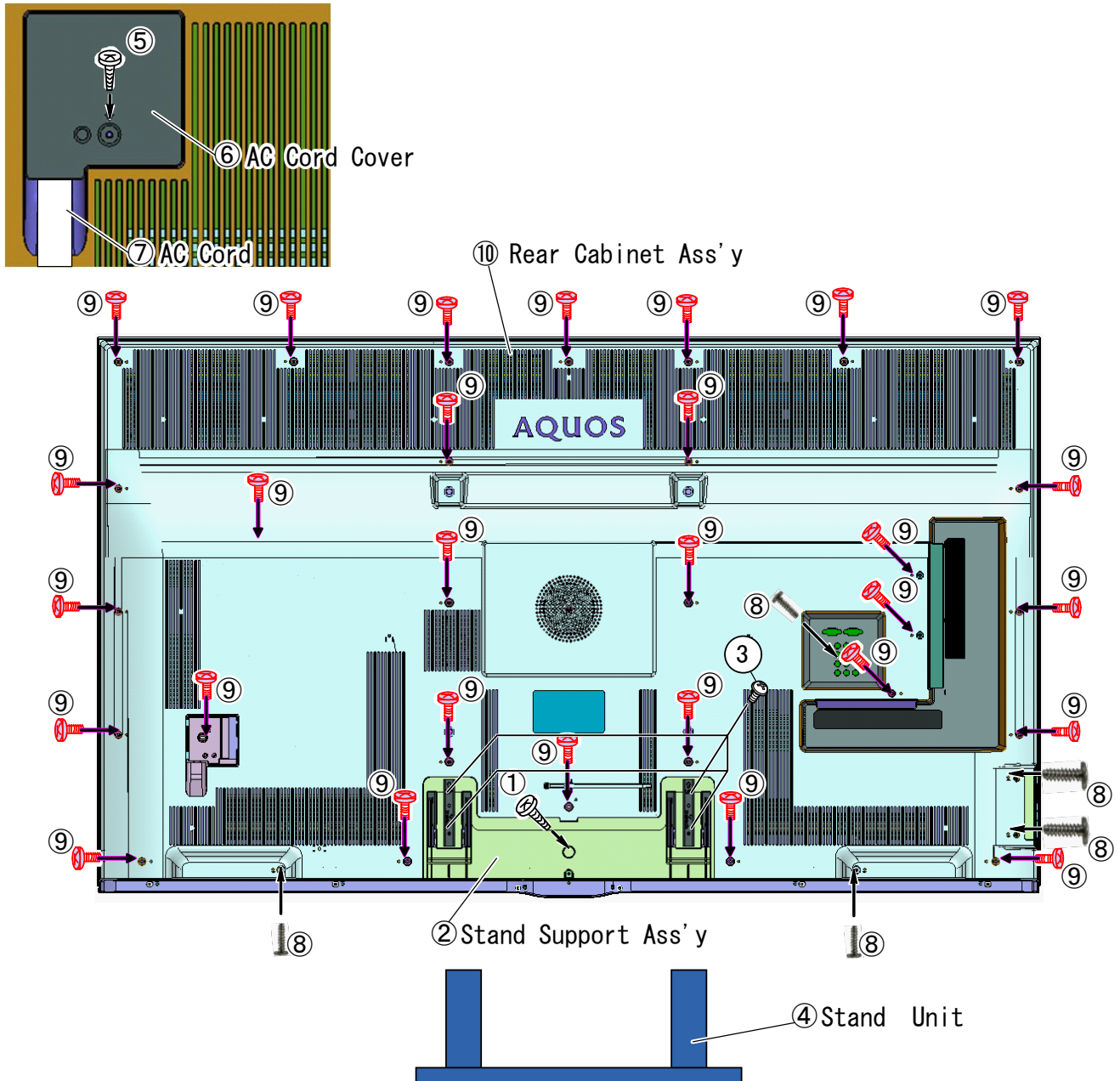
1. Remove the 17 lock screws (1) and detach the Aluminum Frame Ass'y (2)
2. Remove the 2 Connecting Cords(FFC80P) (4), 2 Connecting Cords(FFC64P) (5), 4 Ferrite Cores (3).
3. Remove the 6 lock screws (6) and detach the LCD CONTROL Unit (7).
4. Remove the 7 lock screws (8) and detach the Terminal Angle (Side) (9) and Terminal Angle (Bottom) (10).
5. Remove the MAIN Unit (11).
6. Remove the 6 lock screws (12) and detach the POWER/DRIVE Unit (13).
7. Remove the 4 lock screws (14) and detach the 4 VESA Angle Ass'y (15).
8. Remove the 8 lock screws (16) and detach the 2 Stand Fix Angles (17).



LC-60/70EQ10U,SQ10U/15U/17U,TQ15U,UQ17U  
[6] REMOVING OF MAJOR PARTS (LC-70TQ15U)

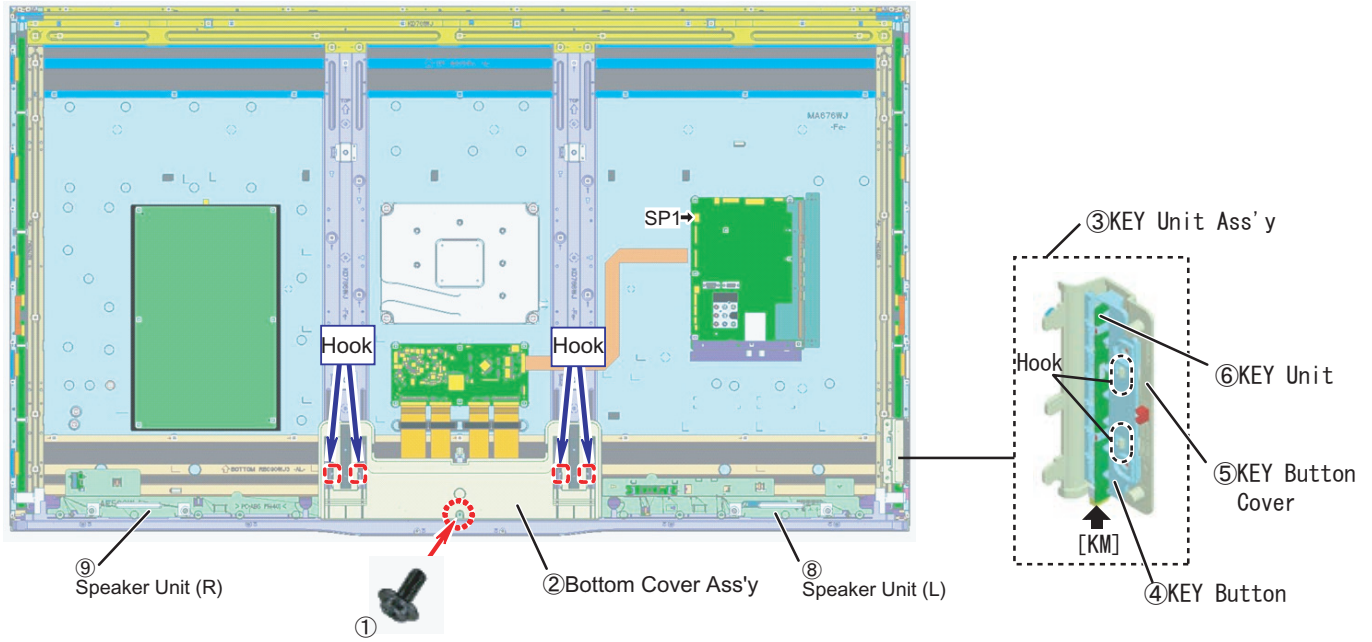
**1. Removing of Stand Unit and Rear Cabinet Ass'y.**

1. Remove the 1 lock screw (1) and detach the Stand Support Ass'y (2).
2. Remove the 4 lock screws (3) and detach the Stand Unit (4).
3. Remove the 1 lock screw (5) and detach the AC Cord Cover (6).
4. Disconnect AC Wire and detach the AC Cord (7).
5. Remove the 5 lock screws (8), 28 lock screws (9) and detach the Rear Cabinet Ass'y (10).



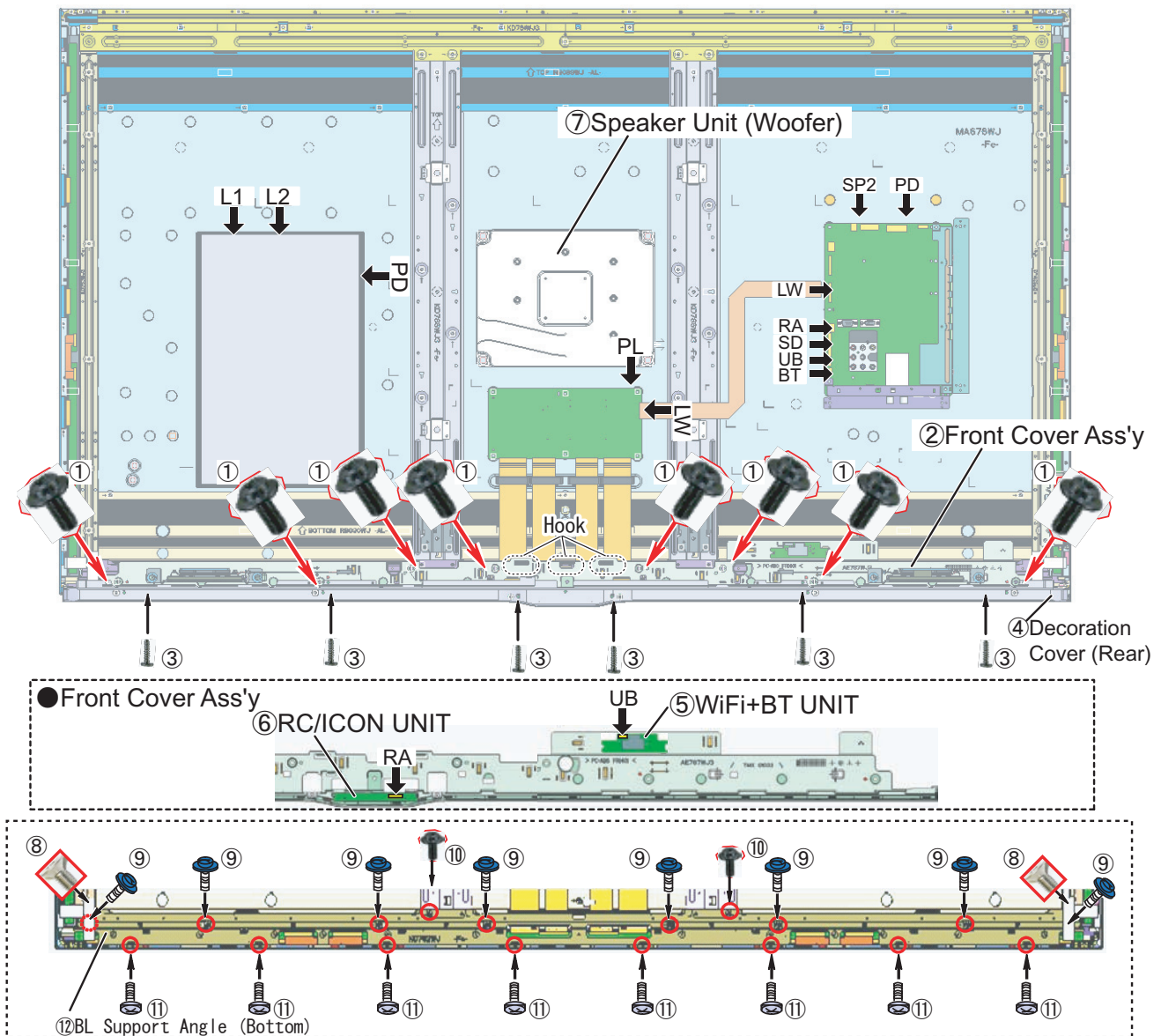
## 2. Removing of Speaker Unit (L/R), KEY Unit and Bottom Cover Ass'y.

1. Remove the 1 lock screw (1) and the 4 Hooks and detach the Bottom Cover Ass'y (2).
2. Detach the KEY Unit Ass'y (3).
3. Remove the 2 Hooks and detach the KEY Button (4) from the KEY Button Cover (5).
4. Remove the KM Wire.
5. Remove the KEY Unit (6) from the KEY Button (4).
6. Detach the Speaker Unit (L) (8), Speaker Unit (R) (9).
7. Disconnect the SP1 Wire.



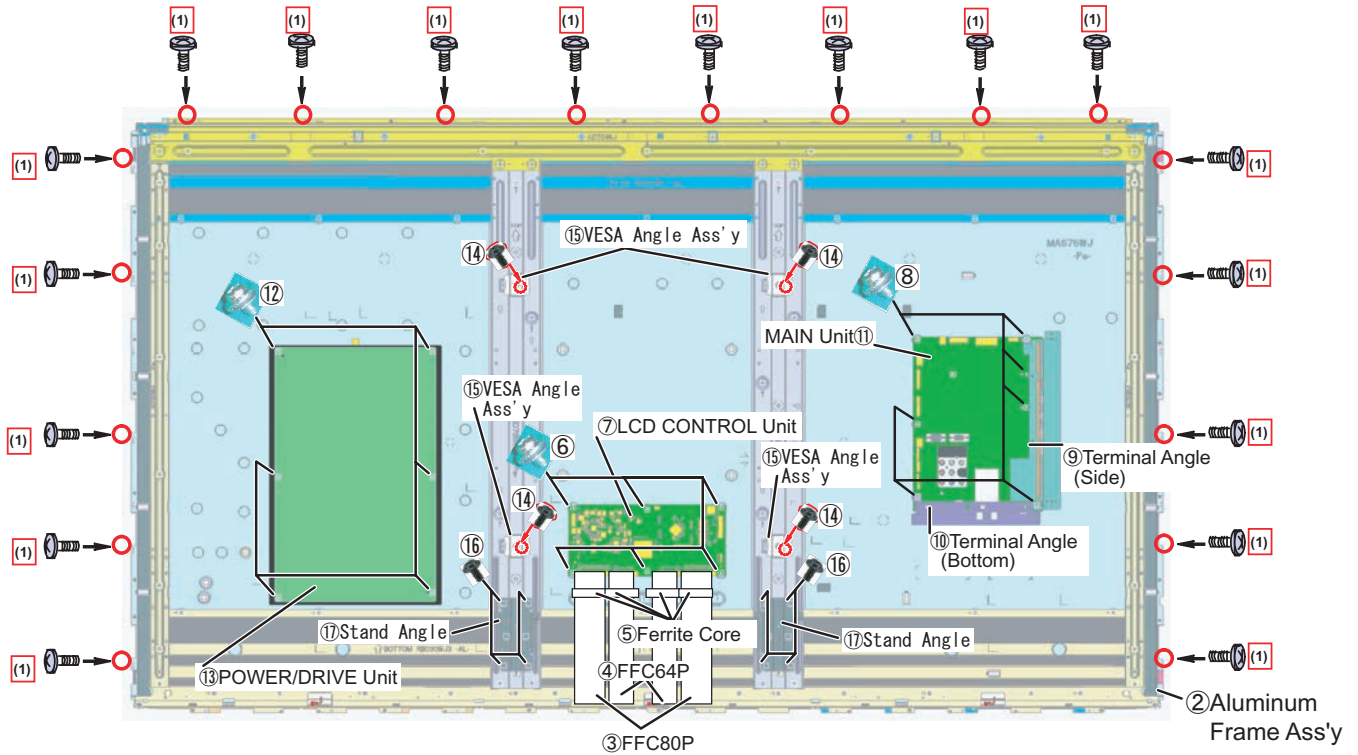
### 3. Removing of connectors and Decoration Cover (Rear) and Front Cover Ass'y.

1. Disconnect the following connectors from MAIN Unit. (PD, SP2, LW, RA, UB, BT).
2. Disconnect the following connectors from POWER/DRIVE Unit. (PD, L1, L2).
3. Disconnect the following connectors from LCD CONTROL Unit. (PL, LW).
4. Remove the 8 lock screws (1) and the 3 Hooks and detach the Front Cover Ass'y (2).
5. Remove the 6 lock screws (3) and detach the Decoration Cover (Rear) (4) from the Front Cover Ass'y (2).
6. Disconnect the following connector from WiFi+BT Unit. (WB)
7. Detach the WiFi+BT Unit (5) from the Front Cover Ass'y (2).
8. Disconnect the following connector from RC/ICON Unit. (RA).
9. Detach the RC/ICON Unit (6) from the Front Cover Ass'y (2).
10. Detach the Speaker Unit (Woofer) (7).
11. Remove the 2 lock screws (8), the 8 lock screws (9), the 2 lock screws (10) and the 8 lock screws (11) and detach the BL Support Angle (Bottom) (12).



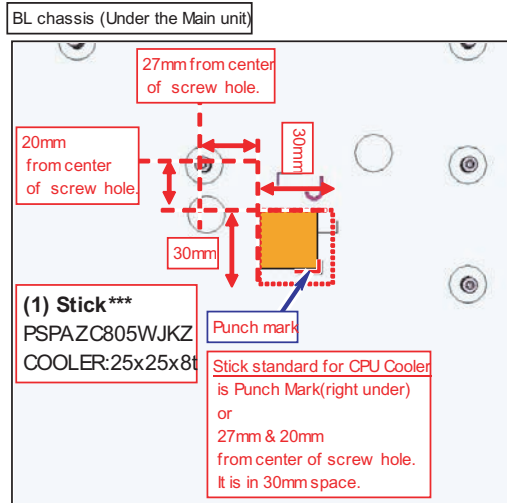
**4. Removing of Aluminum Frame Ass'y, LCD CONTROL Unit, MAIN Unit, POWER/DRIVE Unit, VESA Angle Ass'y and Stand fix Angle.**

1. Remove the 18 lock screws (1) and detach the Aluminum Frame Ass'y (2)
2. Remove the 2 Connecting Cords(FFC 80p) (3), 2 Connecting Cords(FFC 64p) (4), 4 Ferrite Cores (5).
3. Remove the 6 lock screws (6) and detach the LCD CONTROL Unit (7).
4. Remove the 7 lock screws (8) and detach the Terminal Angle (Side) (9) and Terminal Angle (Bottom) (10).
5. Remove the MAIN Unit (11).
6. Remove the 6 lock screws (12) and detach the POWER/DRIVE Unit (13).
7. Remove the 4 lock screws (14) and detach the 4 VESA Angle Ass'y (15).
8. Remove the 8 lock screws (16) and detach the 2 Stand Fix Angles (17).



[7] The location putting on the heat measure sheet (LC-60/70TQ15U)

1. MAIN PWB Unit



## [8] Precautions for assembly (LC-60/70TQ15U)

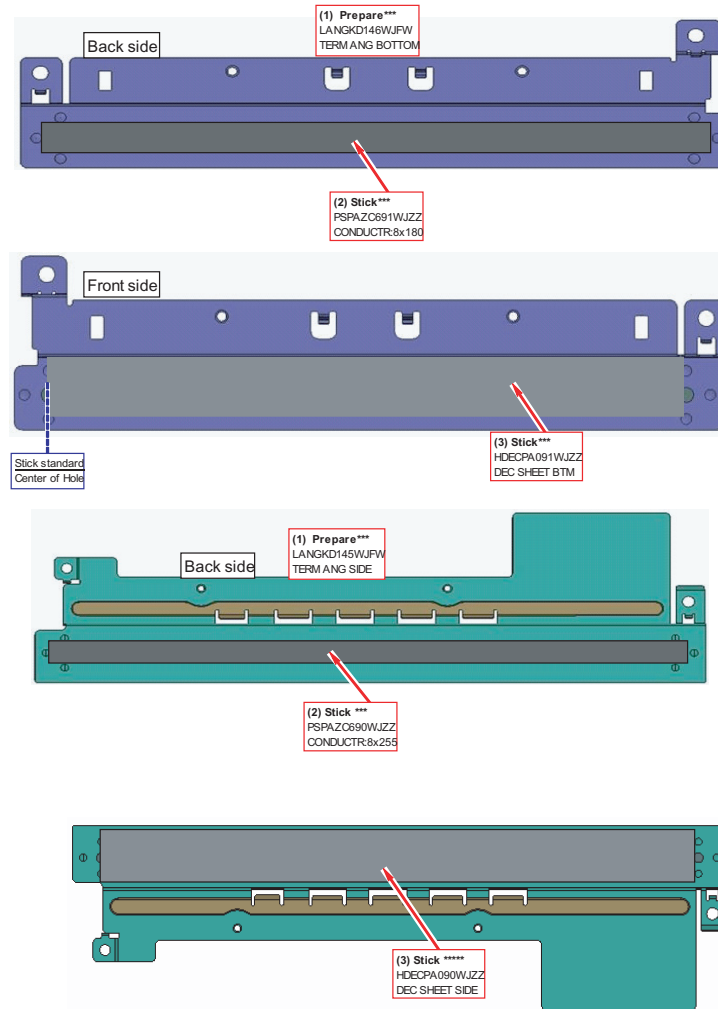
### 1. Points to be checked and precautions when servicing the unit

Mount the main PWB Ass'y on the backlight chassis and check that the EMI-prevention parts are not peeled and twisted from the access holes. (The EMI-prevention parts, conductive nonwoven fabric gaskets, must be seen from the access holes.)

[Countermeasure]

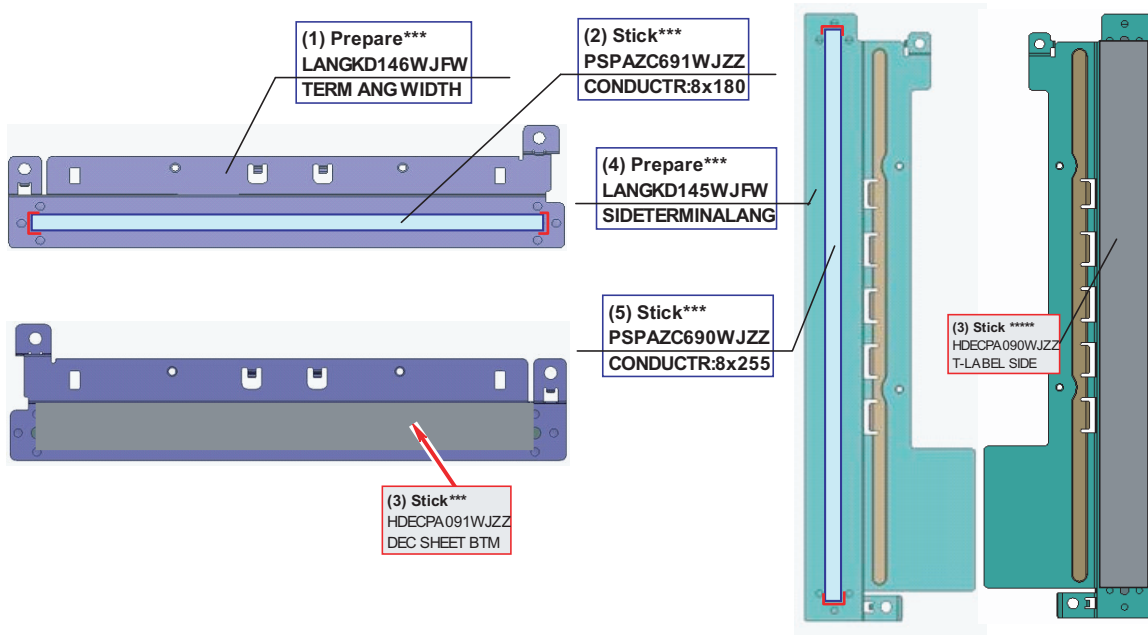
Attach the conductive nonwoven fabric gaskets on the shielded case on the main PWB.

- LC-60TQ15U



LC-60/70EQ10U,SQ10U/15U/17U,TQ15U,UQ17U

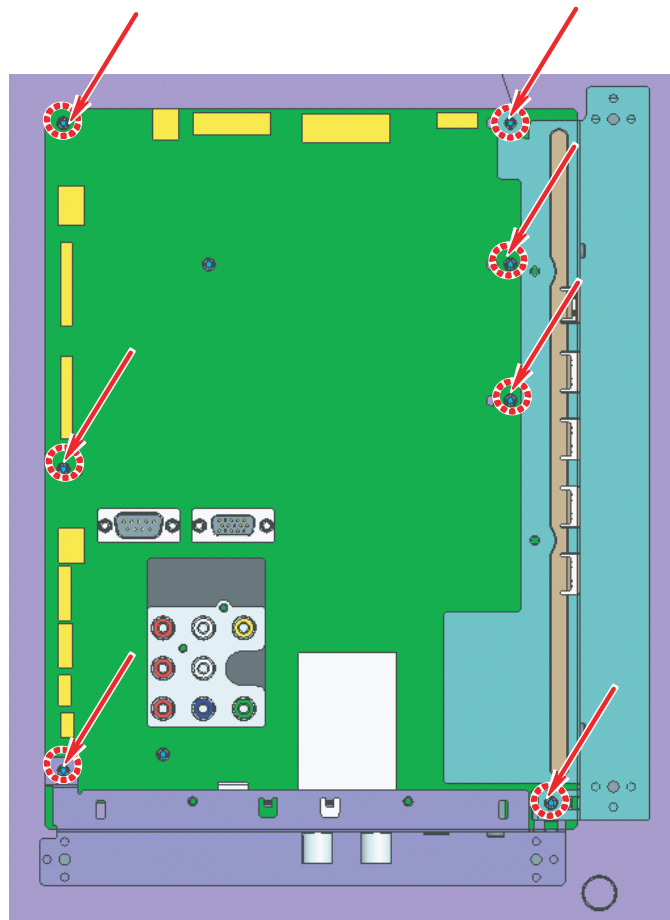
- LC-70TQ15U



The following is a drawing mounting the main PWB Ass'y on the backlight chassis.

(The parts indicated by -> are the access holes for confirmation.)

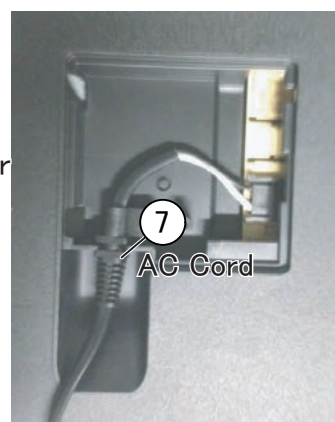
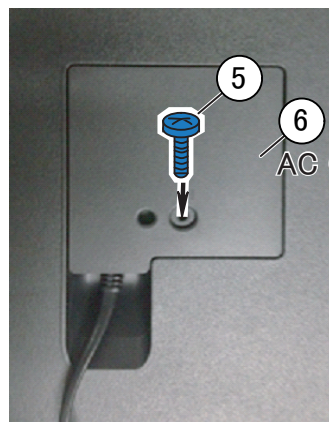
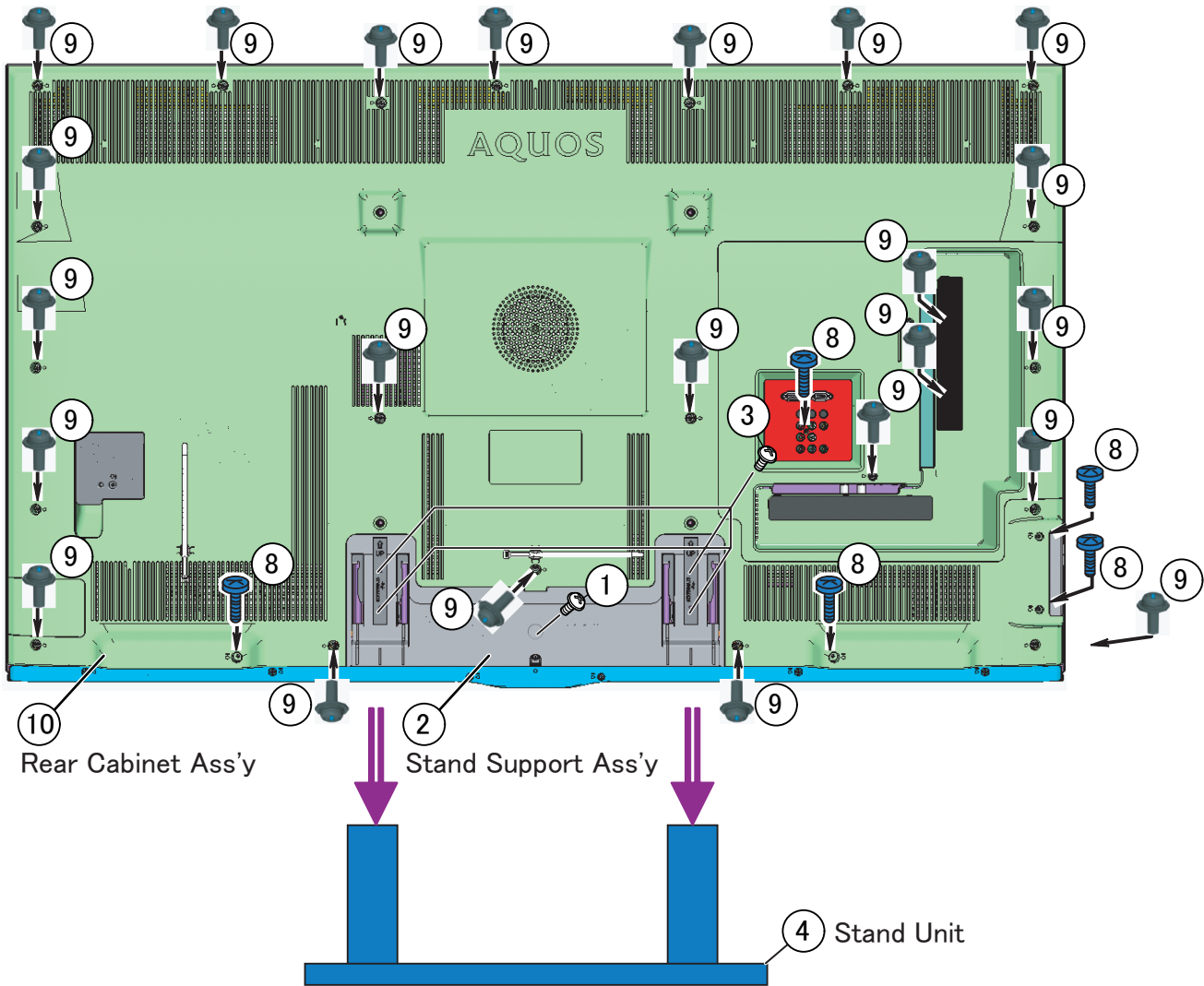
(Main PWB Ass'y => State where the shielded case and RF terminal angle are mounted on the main PWB)



## [9] REMOVING OF MAJOR PARTS (LC-60UQ17U)

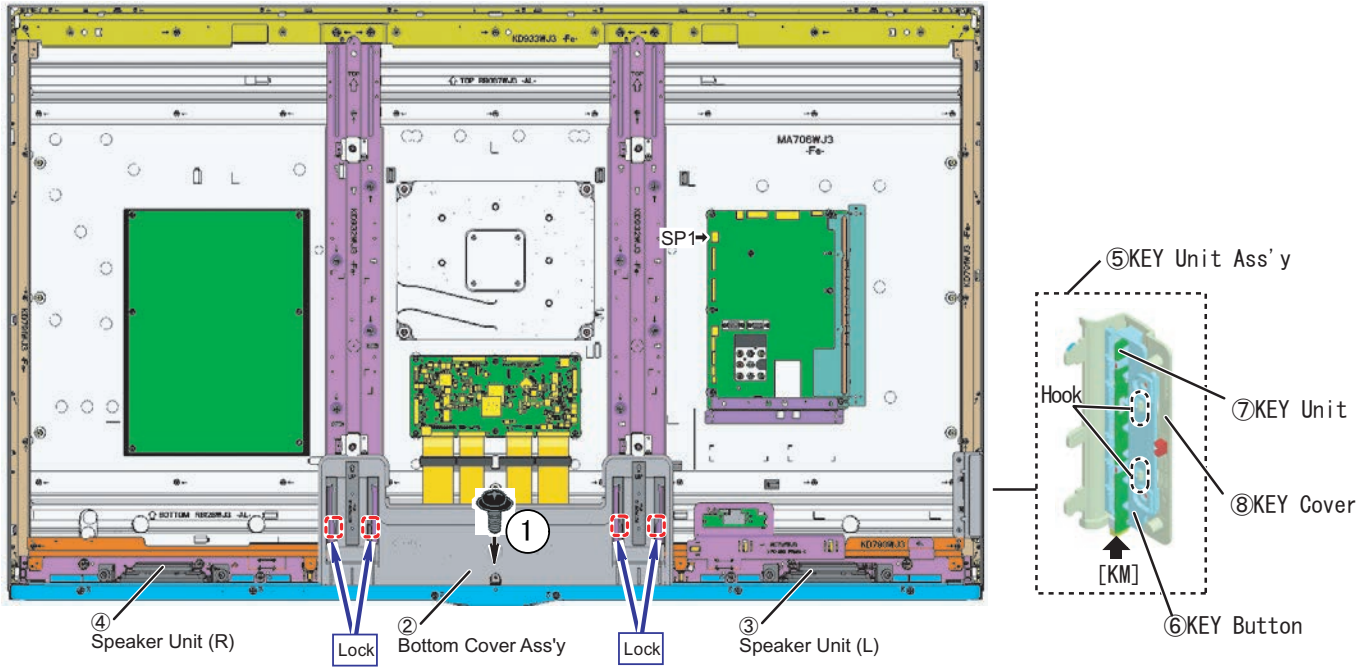
### 1. Removing of Stand Unit and Rear Cabinet Ass'y.

1. Remove the 1 lock screw (1) and detach the Stand Support Ass'y (2).
2. Remove the 4 lock screws (3) and detach the Stand Unit (4).
3. Remove the 1 lock screw (5) and detach the AC Cord Cover (6).
4. Disconnect AC Wire and detach the AC Cord (7).
5. Remove the 5 lock screws (8), 23 lock screws (9) and detach the Rear Cabinet Ass'y (10).



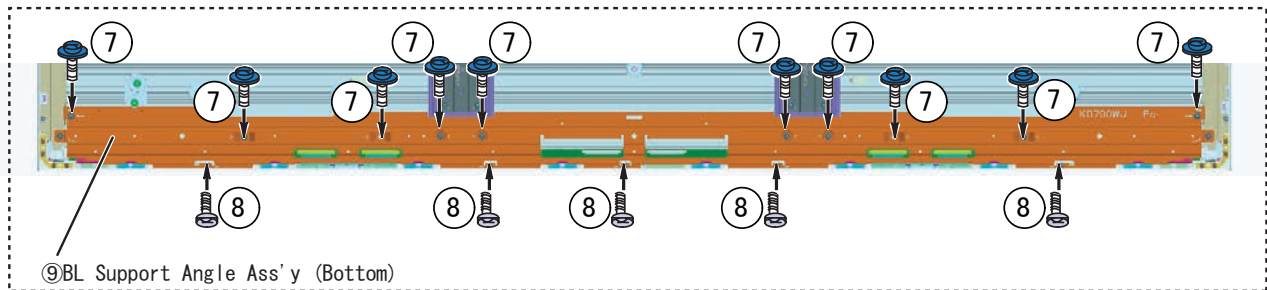
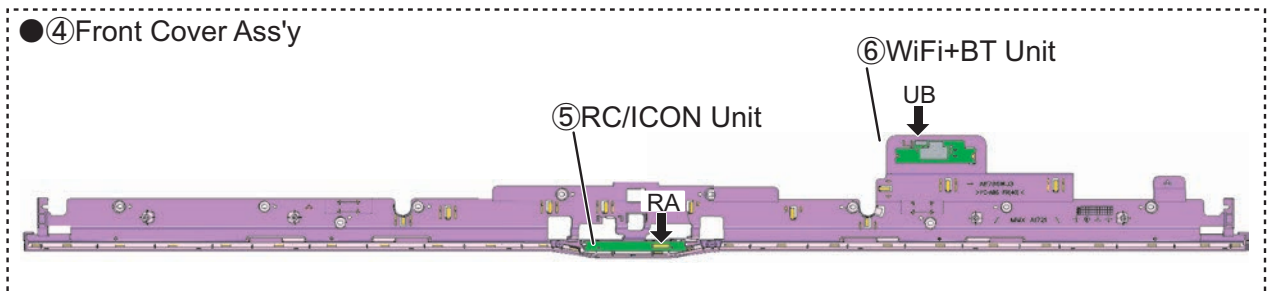
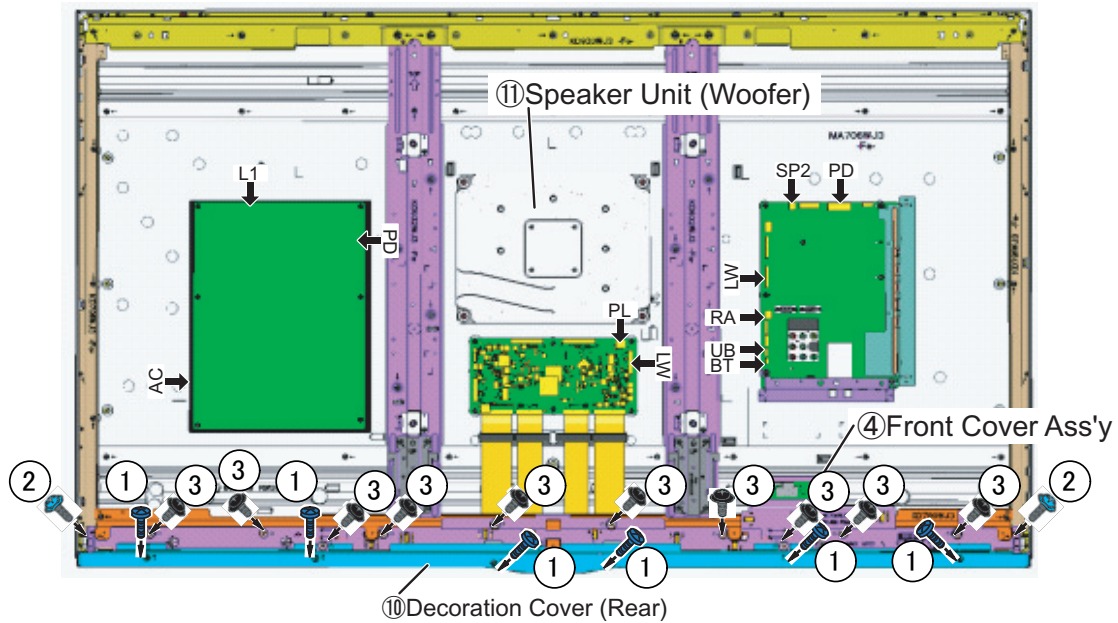
## 2. Removing of Speaker (L/R), KEY Unit and Bottom Cover Ass'y.

1. Remove the 1 lock screw (1) and the 4 Hooks and detach the Bottom Cover Ass'y (2).
2. Detach the Speaker Unit (L) (3), Speaker Unit (R) (4).
3. Disconnect the SP1 Wire.
4. Detach the KEY Unit Ass'y (5).
5. Remove the 2 Hooks and detach the KEY Button (6) from the KEY Cover (8).
6. Remove the KM Wire.
7. Remove the KEY Unit (7) from the KEY Button (6).



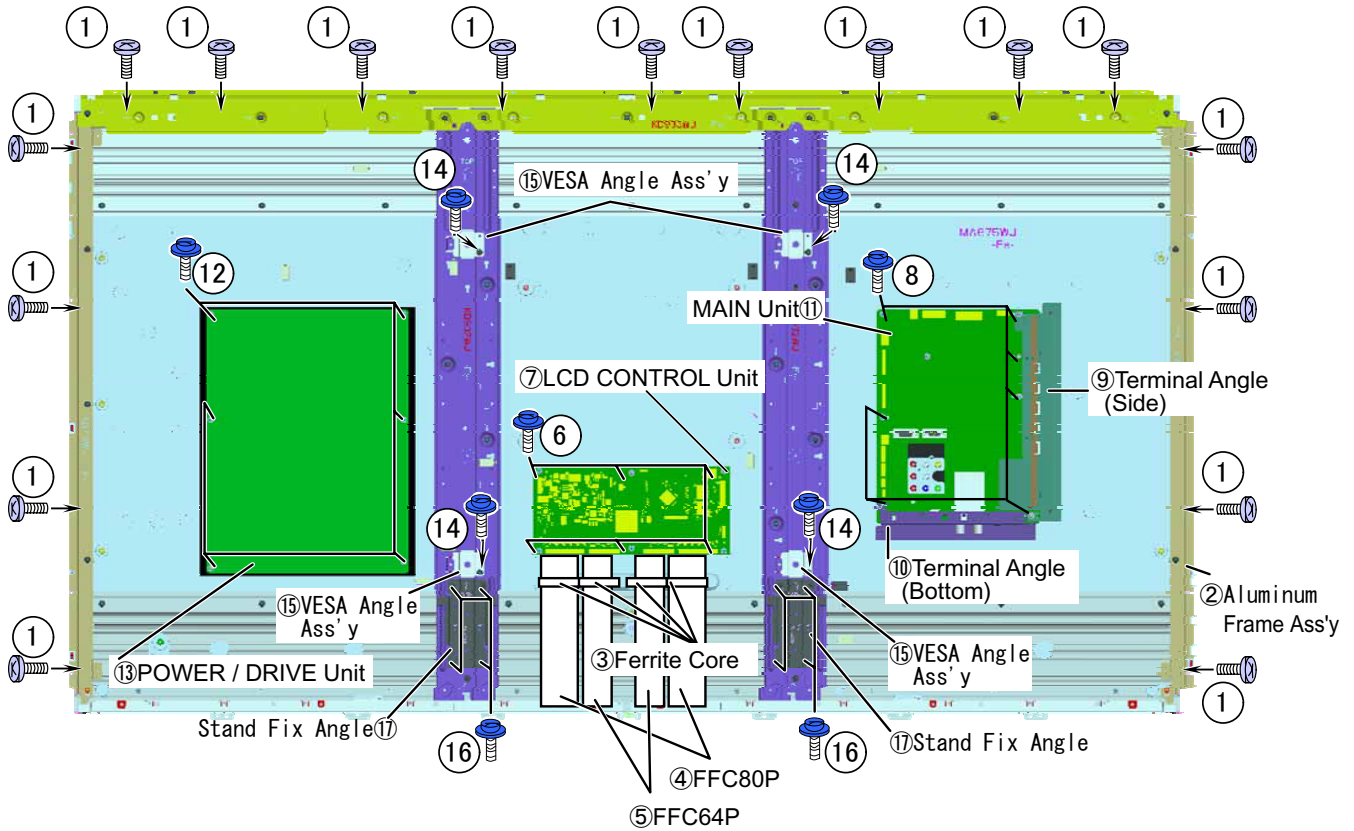
**3. 3. Removing of connectors and Decoration Cover (Rear), Front Cover Ass'y and BL Support Angle Ass'y (Bottom).**

1. Disconnect the following connectors from MAIN Unit. (SP2,PD, LW, RA, UB, BT).
2. Disconnect the following connectors from POWER/DRIVE Unit. (PD, L1).
3. Disconnect the following connectors from LCD CONTROL Unit. (PL, LW).
4. Remove the 2 lock screws (2), 10 lock screws (3) and detach the Front Cover Ass'y (4).
5. Remove the 6 lock screws (1) and detach the Decoration Cover (Rear) (10).
6. Disconnect the following connector from WiFi+BT Unit. (UB)
7. Detach the WiFi+BT Unit (6) from the Front Cover Ass'y.
8. Disconnect the following connector from RC/ICON Unit. (RA).
9. Detach the RC/ICON Unit (5) from the Front Cover Ass'y.
- 10.Remove the 5 lock screws (8), 10 lock screws (7) and detach the BL Support Angle Ass'y (Bottom) (9).
- 11.Detach the Speaker Unit (Woofer) (11).



**4. Removing of 60" LCD Panel Module Unit, LCD CONTROL Unit, MAIN Unit, POWER/DRIVE Unit.**

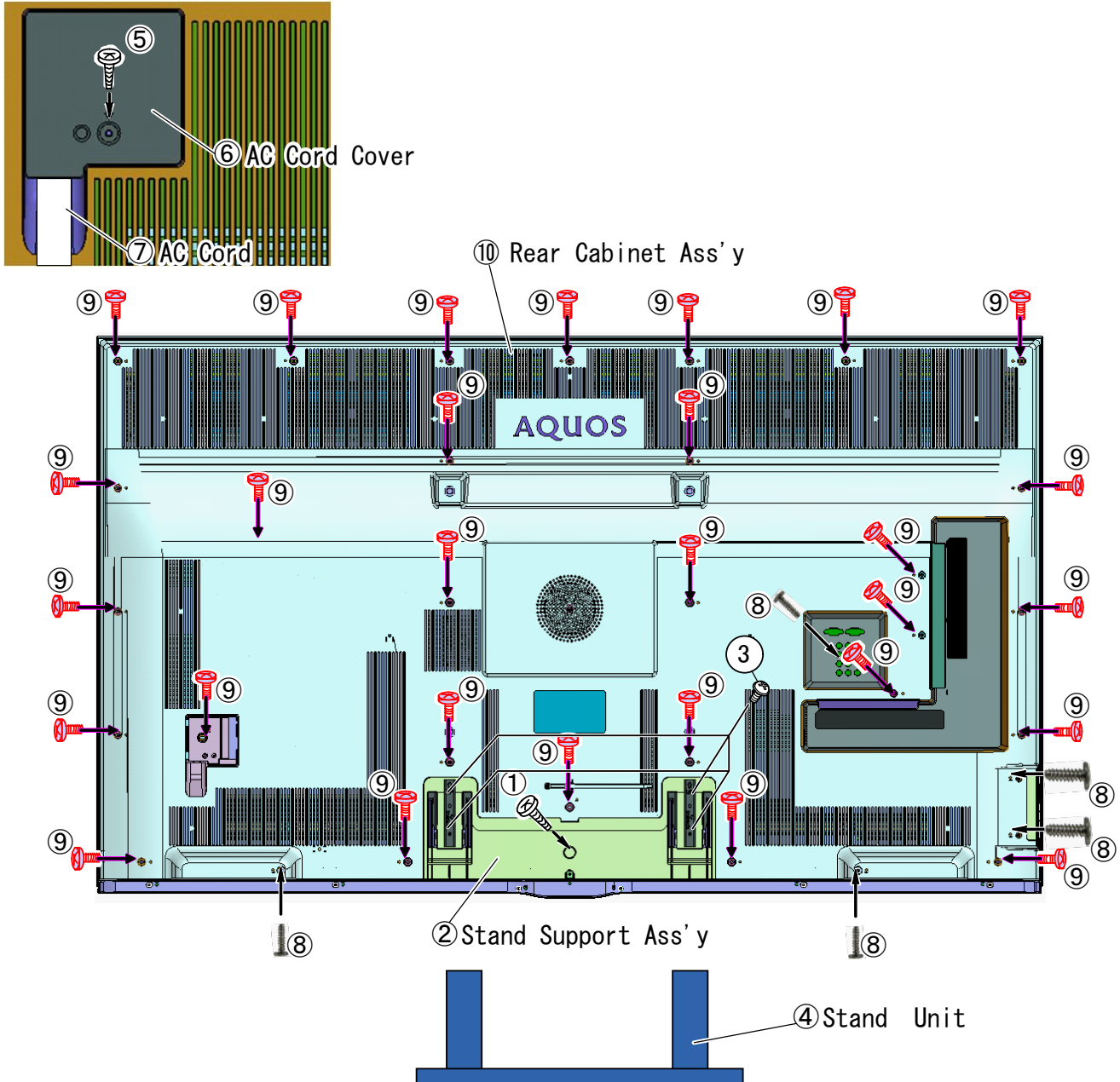
1. Remove the 17 lock screws (1) and detach the Aluminum Frame Ass'y (2)
2. Remove the 2 Connecting Cords(FFC80P) (4), 2 Connecting Cords(FFC64P) (5), 4 Ferrite Cores (3).
3. Remove the 6 lock screws (6) and detach the LCD CONTROL Unit (7).
4. Remove the 7 lock screws (8) and detach the Terminal Angle (Side) (9) and Terminal Angle (Bottom) (10).
5. Remove the MAIN Unit (11).
6. Remove the 6 lock screws (12) and detach the POWER/DRIVE Unit (13).
7. Remove the 4 lock screws (14) and detach the 4 VESA Angle Ass'y (15).
8. Remove the 8 lock screws (16) and detach the 2 Stand Fix Angles (17).



## [10] REMOVING OF MAJOR PARTS (LC-70UQ17U)

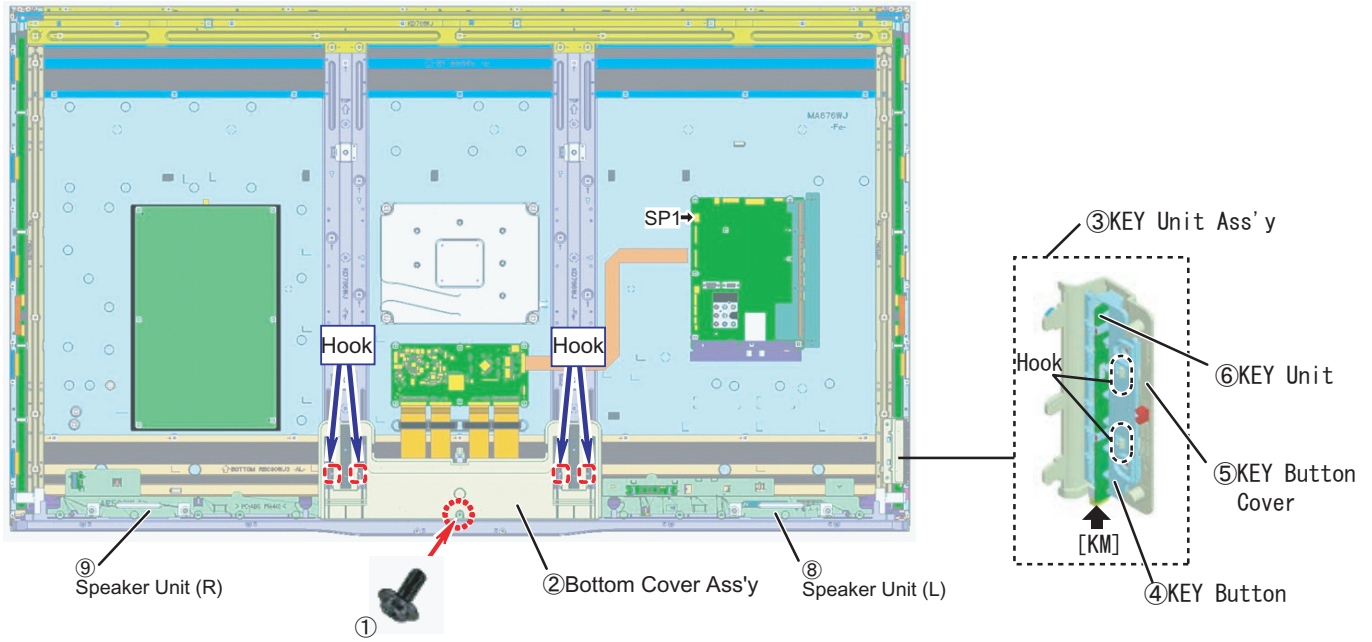
### 1. Removing of Stand Unit and Rear Cabinet Ass'y.

1. Remove the 1 lock screw (1) and detach the Stand Support Ass'y (2).
2. Remove the 4 lock screws (3) and detach the Stand Unit (4).
3. Remove the 1 lock screw (5) and detach the AC Cord Cover (6).
4. Disconnect AC Wire and detach the AC Cord (7).
5. Remove the 5 lock screws (8), 28 lock screws (9) and detach the Rear Cabinet Ass'y (10).



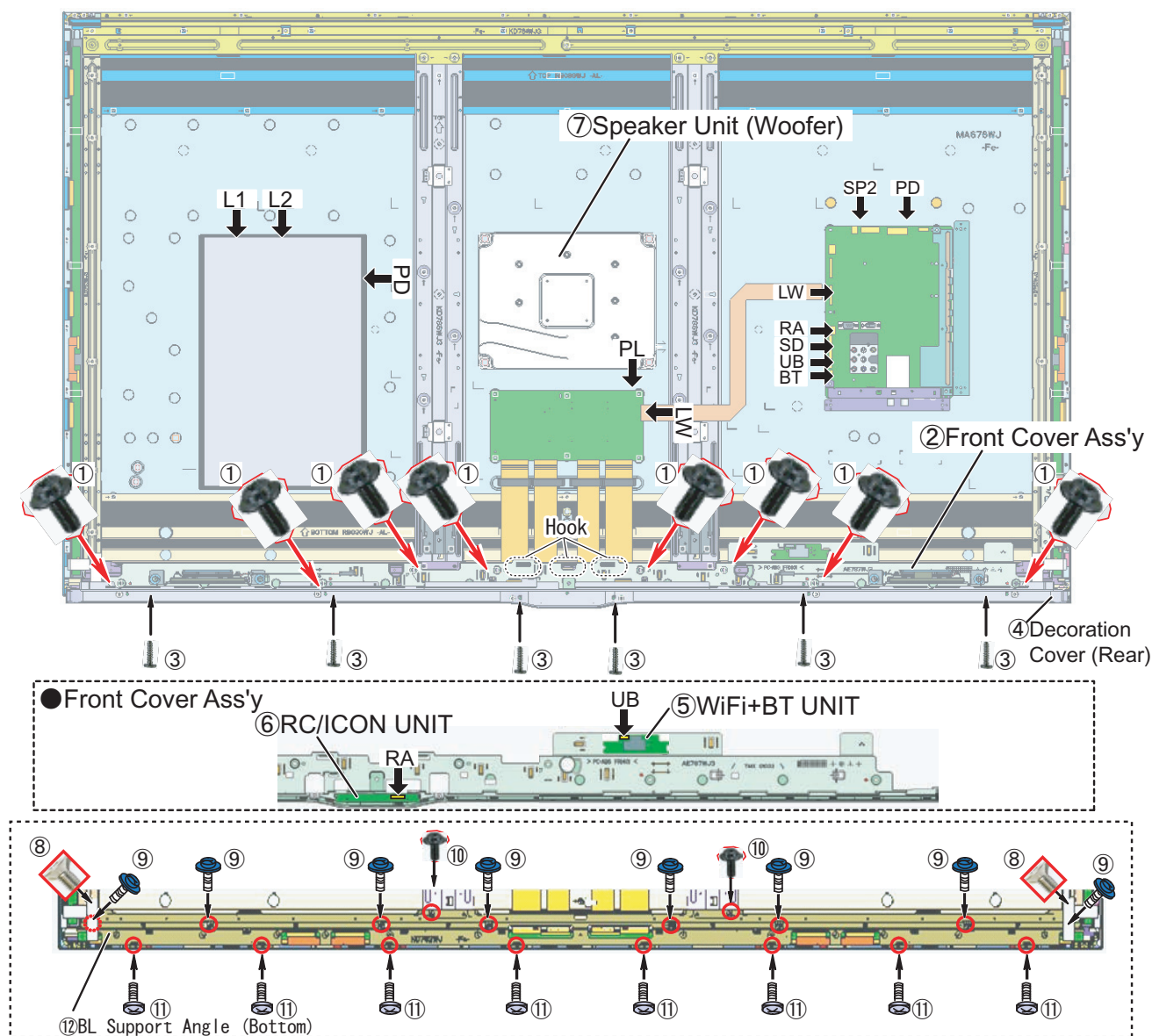
## 2. Removing of Speaker Unit (L/R), KEY Unit and Bottom Cover Ass'y.

1. Remove the 1 lock screw (1) and the 4 Hooks and detach the Bottom Cover Ass'y (2).
2. Detach the KEY Unit Ass'y (3).
3. Remove the 2 Hooks and detach the KEY Button (4) from the KEY Button Cover (5).
4. Remove the KM Wire.
5. Remove the KEY Unit (6) from the KEY Button (4).
6. Detach the Speaker Unit (L) (8), Speaker Unit (R) (9).
7. Disconnect the SP1 Wire.



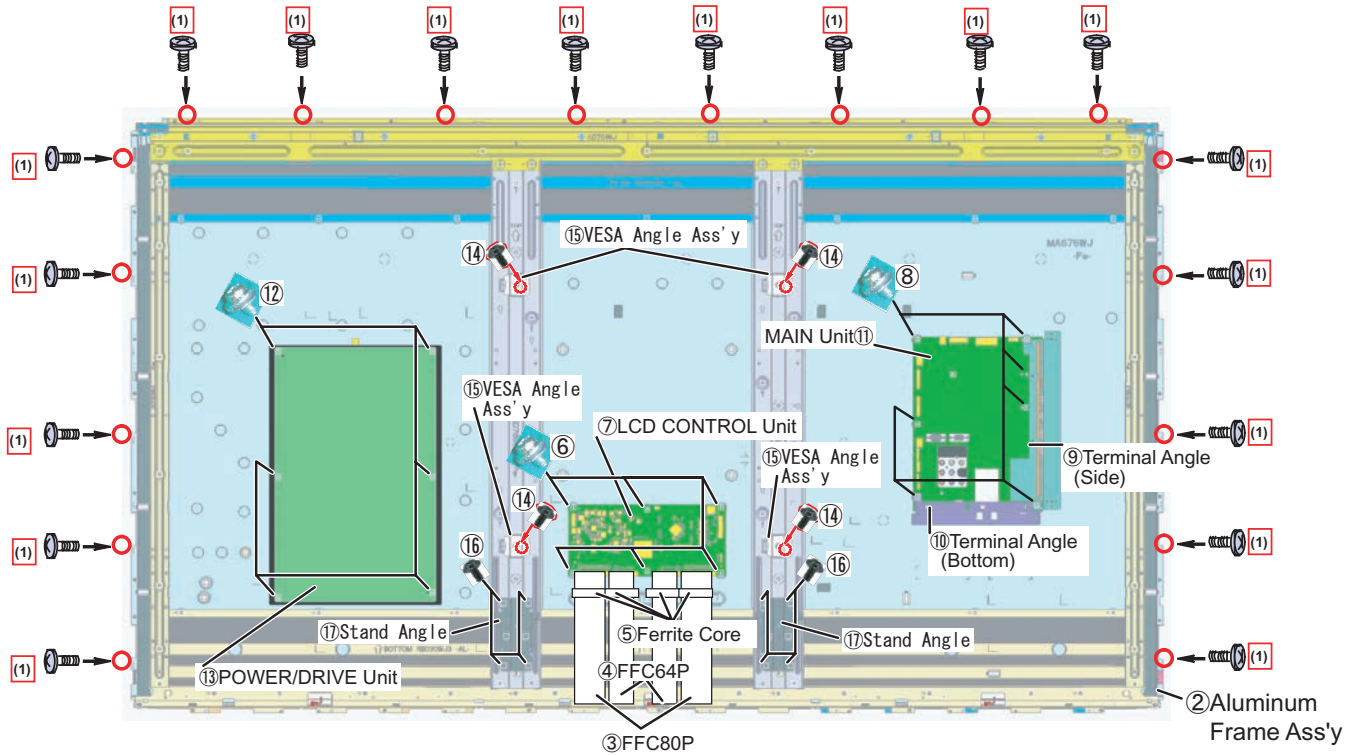
### 3. Removing of connectors and Decoration Cover (Rear) and Front Cover Ass'y.

1. Disconnect the following connectors from MAIN Unit. (PD, SP2, LW, RA, UB, BT).
2. Disconnect the following connectors from POWER/DRIVE Unit. (PD, L1, L2).
3. Disconnect the following connectors from LCD CONTROL Unit. (PL, LW).
4. Remove the 8 lock screws (1) and the 3 Hooks and detach the Front Cover Ass'y (2).
5. Remove the 6 lock screws (3) and detach the Decoration Cover (Rear) (4) from the Front Cover Ass'y (2).
6. Disconnect the following connector from WiFi+BT Unit. (WB)
7. Detach the WiFi+BT Unit (5) from the Front Cover Ass'y (2).
8. Disconnect the following connector from RC/ICON Unit. (RA).
9. Detach the RC/ICON Unit (6) from the Front Cover Ass'y (2).
10. Detach the Speaker Unit (Woofer) (7).
11. Remove the 2 lock screws (8), the 8 lock screws (9), the 2 lock screws (10) and the 8 lock screws (11) and detach the BL Support Angle (Bottom) (12).



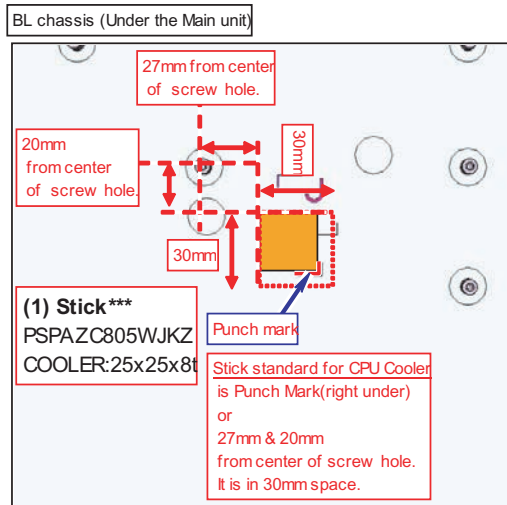
#### 4. Removing of Aluminum Frame Ass'y, LCD CONTROL Unit, MAIN Unit, POWER/DRIVE Unit, VESA Angle Ass'y and Stand fix Angle.

1. Remove the 18 lock screws (1) and detach the Aluminum Frame Ass'y (2)
2. Remove the 2 Connecting Cords(FFC 80p) (3), 2 Connecting Cords(FFC 64p) (4), 4 Ferrite Cores (5).
3. Remove the 6 lock screws (6) and detach the LCD CONTROL Unit (7).
4. Remove the 7 lock screws (8) and detach the Terminal Angle (Side) (9) and Terminal Angle (Bottom) (10).
5. Remove the MAIN Unit (11).
6. Remove the 6 lock screws (12) and detach the POWER/DRIVE Unit (13).
7. Remove the 4 lock screws (14) and detach the 4 VESA Angle Ass'y (15).
8. Remove the 8 lock screws (16) and detach the 2 Stand Fix Angles (17).



[11] The location putting on the heat measure sheet (LC-60/70UQ17U)

1. MAIN PWB Unit



**[12] Precautions for assembly (LC-60/70UQ17U)**

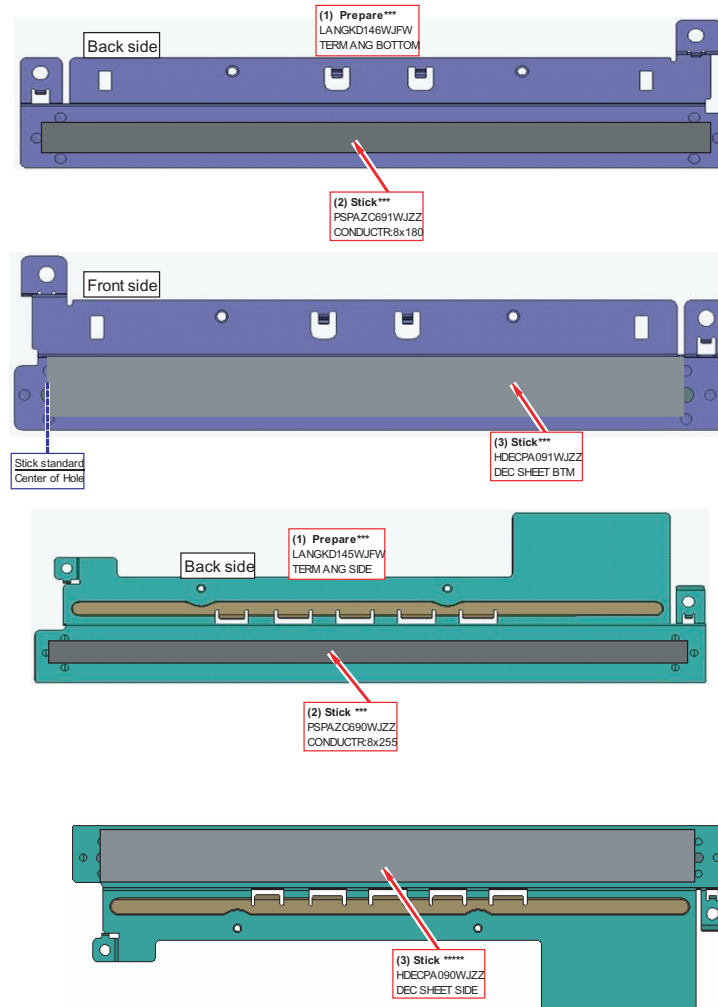
**1. Points to be checked and precautions when servicing the unit**

Mount the main PWB Ass'y on the backlight chassis and check that the EMI-prevention parts are not peeled and twisted from the access holes. (The EMI-prevention parts, conductive nonwoven fabric gaskets, must be seen from the access holes.)

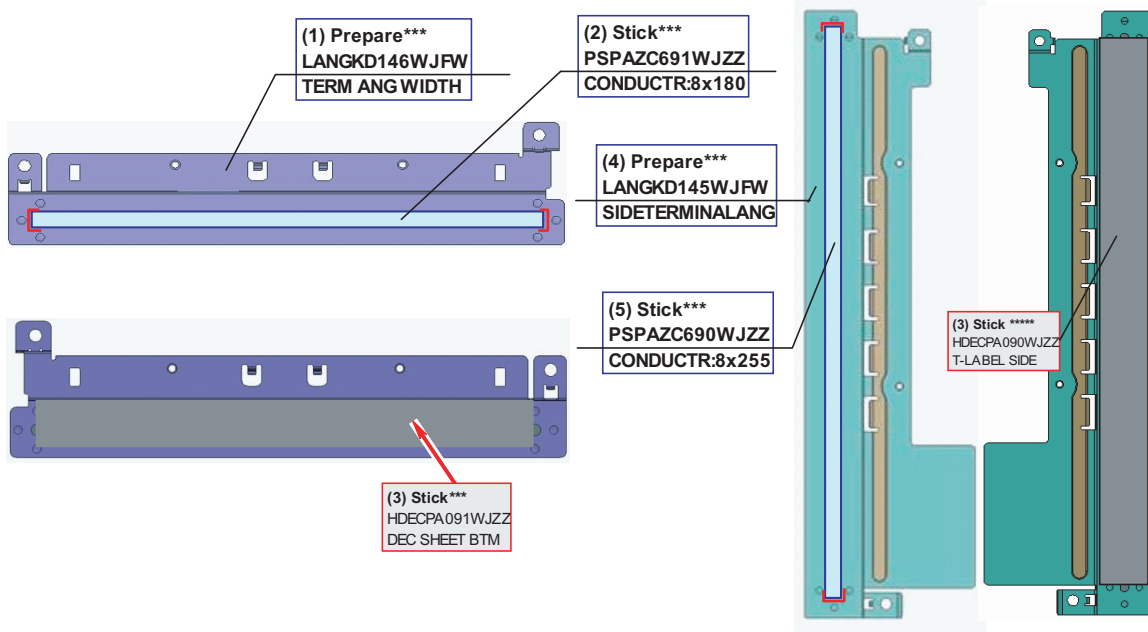
[Countermeasure]

Attach the conductive nonwoven fabric gaskets on the shielded case on the main PWB.

- LC-60TQ15U



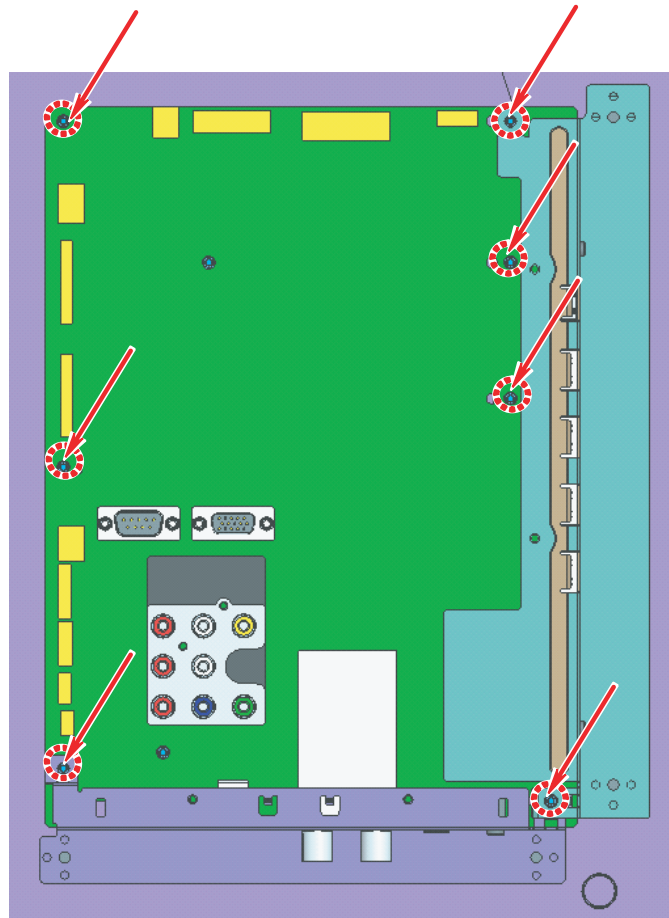
- LC-70TQ15U



The following is a drawing mounting the main PWB Ass'y on the backlight chassis.

(The parts indicated by -> are the access holes for confirmation.)

(Main PWB Ass'y => State where the shielded case and RF terminal angle are mounted on the main PWB)



## CHAPTER 5. ADJUSTMENT

### [1] ADJUSTMENT PROCEDURE

The adjustment values are set to the optimum conditions at the factory before shipping. If a value should become improper or an adjustment is required due to part replacement, make an adjustment according to the following procedure.

#### 1. After replacement of any PWB unit and/or IC for repair, please note the following.

- When replacing the following units, make sure to prepare the new units loaded with updated software.

|            |               |               |
|------------|---------------|---------------|
| MAIN Unit: | DKEYMG381FM01 | LC-60/70EQ10U |
|            | DKEYMG382FM01 | LC-60/70SQ10U |
|            |               | LC-60/70SQ15U |
|            |               | LC-60/70SQ17U |
|            |               | LC-60/70TQ15U |
|            |               | LC-60/70UQ17U |

- When replacing the LCD control PWB, perform the VCOM adjustment.

#### 2. Upgrading of each microprocessor software

CAUTION: Never "POWER OFF" the unit when software upgrade is ongoing.

Otherwise the system may be damaged beyond recovery.

##### 2.1. Software version upgrade

The model employs the following software.

- Main software (please use a software version after ASTN\_UQ17U\_xxx.USB).
- Monitor microprocessor software (please use a software version after ASTNMxxx.SMB.)

The main software, monitor microprocessor software can be upgraded by using a general-purpose USB Memory.

The followings are the procedures for upgrading, explained separately for the main software, monitor microprocessor software.

##### 2.2. Main software version upgrade

###### 2.2.1 Get ready before you start

- USB Memory of 128MB or higher capacity.
- PC running on Windows 98/98SE/ME/2000/XP operating system.
- USB Memory reader/writer or PC with a USB port.
- The file system of a USB memory is FAT. (FAT32 supports)
- Use the USB memory without other functions. (lock and memory reader...etc)

###### 2.2.2 Preparations

To upgrade the main software, it is necessary to get ready the USB Memory for version upgrade before you start.

Follow the steps below and create the USB Memory for version upgrade.

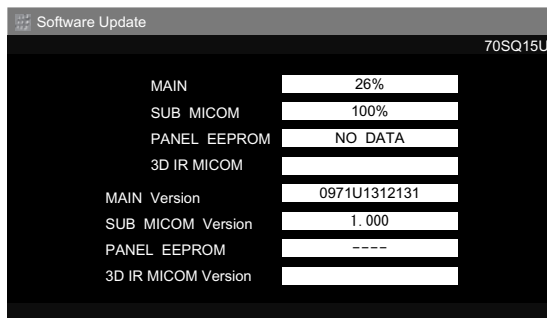
1. Copy the file ASTN\_UQ17U\_xxx.USB for version upgrade to the root directory (folder) of the USB Memory.

NOTE: In the USB Memory drive, do not store other folders or unrelated files, or more than one file for version upgrade.

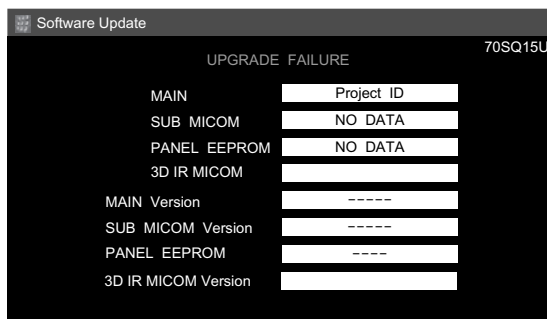
Now the USB Memory for version upgrade is ready.

**2.2.3 How to upgrade the software**

1. Unplug the AC cord.
2. Insert the USB Memory for version upgrade into the service socket.
3. Plug in the AC cord with power button pressed down.
4. After 5 seconds, unpress the power button.
5. After the unit startup, the system upgrade screen as shown below within 20-40 seconds.

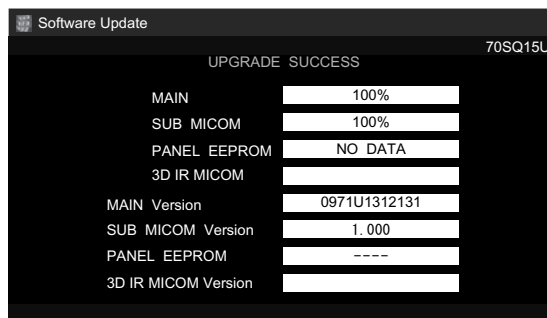


6. Even a single failure in the process will trigger the upgrade failure screen.



NOTE: In the event of a failure, repeat the upgrade process. If the process repeatedly fails, it is likely that the hardware need fixing.

7. Upon completion of the whole process, the upgrade success screen as shown below appears. You can check the new software version on this screen. The version information appears after the upgrade is complete.



8. Unplug the AC cord and remove the USB Memory for version upgrade.
9. Now the software version upgrade is complete.

NOTE: When you are done with the software version upgrade, start the set, go to the top page of the adjustment process screen and check the main software version information.

### 2.3. Monitor microprocessor software version upgrade

Create the USB memory for monitor microprocessor software version upgrade in the same manner as explained in the “Main software version upgrade”.

Copy the file ASTN\_UQ17U\_xxx.USB and ASTNMxxx.SMB. (named temporarily) for monitor microprocessor software version upgrade to the USB memory.

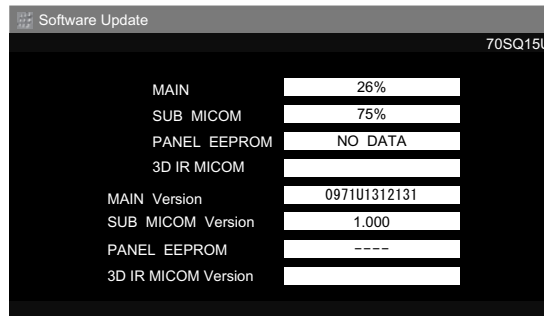
#### 2.3.1 How to upgrade the software

1. Unplug the AC cord.
2. Insert the USB Memory for version upgrade into the service socket.
3. Plug in the AC cord with power button pressed down.
4. After 5 seconds, unpress the power button.

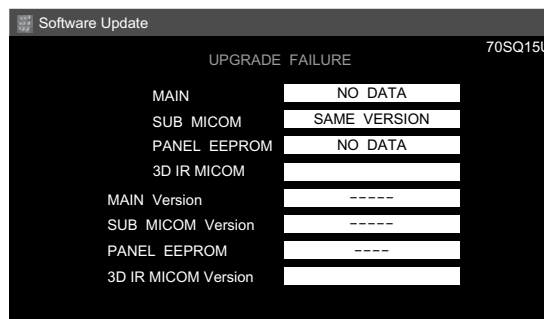
**CAUTION:** • The moment this operation is done, the upgrading of the monitor microprocessor software starts. While the upgrade is ongoing, never power off the unit. Otherwise the upgrade will fail and the system may be serious damaged beyond recovery (inability to start).

- After the monitor microprocessor software is upgraded, also perform the ‘Industry Init’.

5. After the unit startup, the upgrade starts. The power led will blink continuously. Also, an upgrade screen will be shown during a minor upgrade.



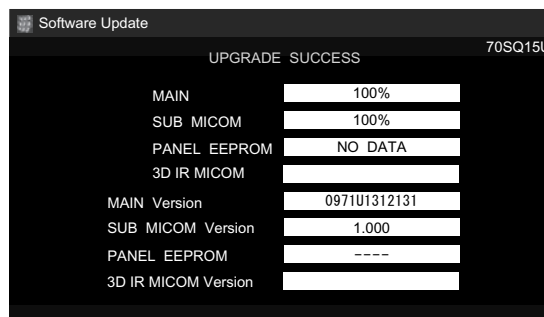
6. If the upgrade fails, power led will stop blinking. Also, the upgrade failure screen will be shown if upgrade screen was shown at 5.



**NOTE:** In the event of a transient failure, upgrade will be automatically retried up to three times. If the process repeatedly fails, hardware may be the cause.

- 7.

The upgrade success screen will be shown if upgrade screen was shown at 5.



8. Unplug the AC cord and remove the USB Memory for version upgrade.
9. Now the software version upgrade is complete.

**NOTE:** When you are done with the software version upgrade, start the set, go to the top page of the adjustment process screen and check the monitor microprocessor software version information and panel size information.

### 3. Entering and exiting the adjustment process mode

- 1) Before entering the adjustment process mode, the AV position RESET in the video adjustment menu.
  - 2) While holding down the “VOL (-)” and “INPUT” keys at a time, plug in the AC cord of the main unit to turn on the power.  
The letter “<K>” appears on the screen.
  - 3) Next, hold down the “VOL (-)” and “CH (∨)” keys at a time.  
(The “VOL (-)” and “CH (∨)” keys should be pressed and held until the display appears.)  
Multiple lines of blue characters appearing on the display indicate that the unit is now in the adjustment process mode.  
When you fail to enter the adjustment process mode (the display is the same as normal startup), retry the procedure.
  - 4) To exit the adjustment process mode after the adjustment is done, unplug the AC cord from the outlet to make a forced shutdown. (When the power was turned off with the remote controller, once unplug the AC cord and plug it again. In this case, wait 10 seconds or so before plugging.)
- CAUTION: Use due care in handling the information described here lest your users should know how to enter the adjustment process mode. If the settings are tampered in this mode, unrecoverable system damage may result.

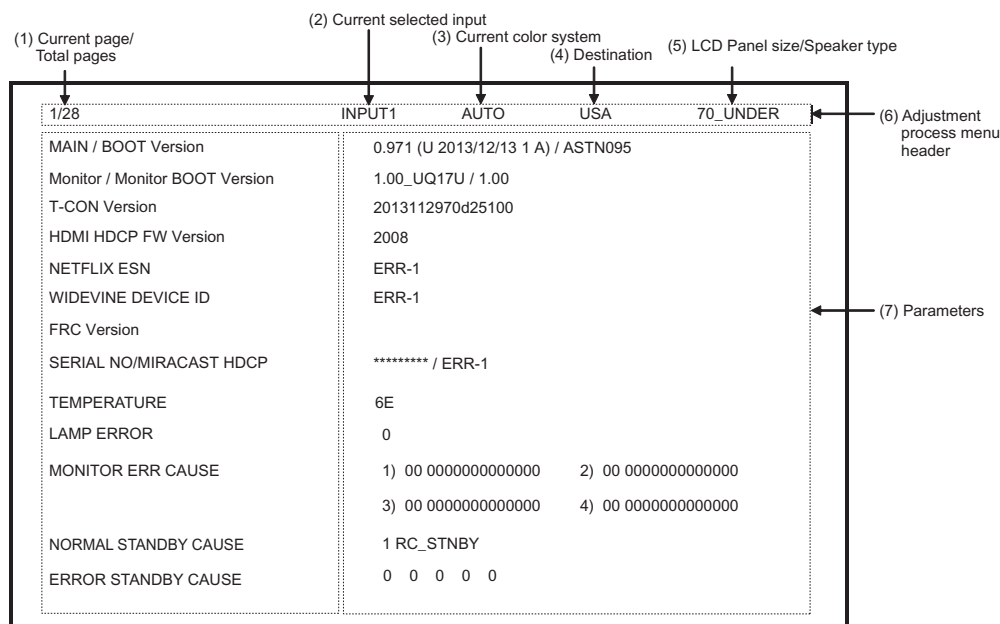
### 4. Remote controller key operation and description of display in adjustment process mode

1) Key operation

| Remote controller key | Main unit key | Function                                    |
|-----------------------|---------------|---|
| CH (∨ / ∧)            | CH (∨ / ∧)    | Moving an item (line) by one (UP/DOWN)      |
| VOL (+/-)             | VOL (+/-)     | Changing a selected item setting (+1/ -1)   |
| Cursor (UP/DOWN)      | —————         | Turing a page (PREVIOUS/NEXT)               |
| Cursor (LEFT/RIGHT)   | —————         | Changing a selected line setting (+10/ -10) |
| INPUT                 | —————         | Input switching (toggle switching)          |
| ENTER                 | —————         | Executing a function                        |

\*Input mode is switched automatically when relevant adjustment is started so far as the necessary input signal is available.

2) Description of display



**5. List of adjustment process mode menu**

The character string in brackets [ ] will appear as a page title in the adjustment process menu header.

| Page | Line | Item                           | Description                                   | Remarks (adjustment detail, etc.)         |
|------|------|--------------------------------|---|---|
| 1    | 1    | MAIN / BOOT Version            | Main software version                         |   |
|      | 2    | Monitor / Monitor BOOT Version | Monitor and monitor boot software version     |   |
|      | 3    | T-CON Version                  | LCD controller software version               |   |
|      | 4    | HDMI HDCP FW Version           |   |   |
|      | 5    | NETFLIX ESN                    |   |   |
|      | 6    | WIDEVINE DEVICE ID             |   |   |
|      | 7    | FRC Version                    |   |   |
|      | 8    | SERIAL NO / MIRACAST HDCP      |   |   |
|      | 9    | TEMPERATURE                    | Panel temperature                             |   |
|      | 10   | LAMP ERROR                     | Number of termination due to lamp error       |   |
|      | 11   | MONITOR ERR CAUSE              |   |   |
|      | 12   | NORMAL STANDBY CAUSE           |   | Refer to *1 under the list for details    |
|      | 13   | ERROR STANDBY CAUSE            |   | Refer to *2 under the list for details    |
| 2    | 1    | INDUSTRY INIT                  | Initialization to factory settings            |   |
|      | 2    | INDUSTRY INIT(-Public)         |   |   |
|      | 3    | PUBLIC MODE                    | Public mode                                   |   |
|      | 4    | Center Acutime                 | Accumulated main operation time               |   |
|      | 5    | RESET                          | Reset   |   |
|      | 6    | Backlight Acutime              | Accumulated monitor operation time            |   |
|      | 7    | RESET                          | Reset   |   |
|      | 8    | LAMP ERROR RESET               | Reset LAMP ERROR                              |   |
|      | 9    | VIC XPOS                       | X-coordinate setting for VIC READ             |   |
|      | 10   | VIC YPOS                       | Y-coordinate setting for VIC READ             |   |
|      | 11   | VIC COLOR                      | Collected color data setting for VIC READ     |   |
|      | 12   | VIC SIGNAL TYPE                | Signal type setting for VIC READ              |   |
|      | 13   | VIC READ                       | Picture level acquisition function            | Level appears in green on the upper right |
| 3    | 1    | N358 ALL ADJ(INPUT2)           | CVBS and TUNER signal level adjustment        |   |
|      | 2    | N358 MAIN ADJ(INPUT2)          | CVBS signal level adjustment                  |   |
|      | 3    | TUNER DAC ADJ                  | TUNER signal level adjustment                 |   |
|      | 4    | N358 CONTRAST A_GAIN           |   |   |
|      | 5    | N358 CONTRAST D_GAIN           |   |   |
|      | 6    | N358 CONTRAST OFFSET           |   |   |
|      | 7    | TUNER CONTRAST A_GAIN          |   |   |
|      | 8    | TUNER CONTRAST D_GAIN          |   |   |
|      | 9    | TUNER CONTRAST OFFSET          |   |   |
| 4    | 1    | TUNER VCHIP TEST(69ch)         | Tuning test and VCHIP test (69ch)             |   |
|      | 2    | TUNER VCHIP TEST(7ch)          | Tuning test and VCHIP test (7ch)              |   |
|      | 3    | TUNER VCHIP TEST(10ch)         | Tuning test and VCHIP test (10ch)             |   |
|      | 4    | TUNER VCHIP TEST(15ch)         | Tuning test and VCHIP test (15ch)             |   |
|      | 5    | INSPECT USB TERM               |   |   |
|      | 6    | HDMI HDCP FW WRITE             |   |   |
|      | 7    | HDMI EDID WRITE                |   |   |
|      | 8    | HDMI EXTERNAL EDIE WRITE       |   |   |
|      | 9    | HDMI CEC TEST                  |   |   |
| 5    | 1    | COMP15K ADJ(INPUT1)            | Component 15K picture level adjustment (main) |   |
|      | 2    | COMP15K Y A_GAIN               |   |   |
|      | 3    | COMP15K Cb A_GAIN              |   |   |
|      | 4    | COMP15K Cr A_GAIN              |   |   |
|      | 5    | COMP15K Y OFFSET               |   |   |
|      | 6    | COMP15K Cb OFFSET              |   |   |
|      | 7    | COMP15K Cr OFFSET              |   |   |
|      | 8    | COMP15K A_CLAMP                |   |   |
| 6    | 1    | COMP33K ADJ(INPUT1)            | Component 33K picture level adjustment (main) |   |
|      | 2    | COMP33K Y A_GAIN               |   |   |
|      | 3    | COMP33K Cb A_GAIN              |   |   |
|      | 4    | COMP33K Cr A_GAIN              |   |   |
|      | 5    | COMP33K Y OFFSET               |   |   |
|      | 6    | COMP33K Cb OFFSET              |   |   |
|      | 7    | COMP33K Cr OFFSET              |   |   |
|      | 8    | COMP33K A_CLAMP                |   |   |

| Page | Line | Item           | Description                               | Remarks (adjustment detail, etc.)  |
|------|------|----------------|---|------------------------------------|
| 7    | 1    | ANALOG RGB ADJ | Analog RGB picture level adjustment       |                                    |
|      | 2    | R A_GAIN       |   |                                    |
|      | 3    | G A_GAIN       |   |                                    |
|      | 4    | B A_GAIN       |   |                                    |
|      | 5    | R OFFSET       |   |                                    |
|      | 6    | G OFFSET       |   |                                    |
|      | 7    | B OFFSET       |   |                                    |
|      | 8    | RGB_A_CLAMP    |   |                                    |
| 8    | 1    | VCOM ADJ       | VCOM adjustment value                     |                                    |
| 9    | 1    | LEV1           | Standard value 1                          | Adjustment gradation setting.      |
|      | 2    | LEV2           | Standard value 2                          |                                    |
|      | 3    | LEV3           | Standard value 3                          |                                    |
|      | 4    | LEV4           | Standard value 4                          |                                    |
|      | 5    | LEV5           | Standard value 5                          |                                    |
|      | 6    | LEV6           | Standard value 6                          |                                    |
|      | 7    | LEV7           | Standard value 7                          |                                    |
| 10   | 1    | MG1R           | WB adjustment Point 1, R adjustment value | Parameter for six-point adjustment |
|      | 2    | MG1G           | WB adjustment Point 1, G adjustment value |                                    |
|      | 3    | MG1B           | WB adjustment Point 1, B adjustment value |                                    |
|      | 4    | MG1Y           | WB adjustment Point 1, Y adjustment value | Quattron panel Only                |
|      | 5    | MG2R           | WB adjustment Point 2, R adjustment value |                                    |
|      | 6    | MG2G           | WB adjustment Point 2, G adjustment value |                                    |
|      | 7    | MG2B           | WB adjustment Point 2, B adjustment value |                                    |
|      | 8    | MG2Y           | WB adjustment Point 2, Y adjustment value | Quattron panel Only                |
|      | 9    | MG3R           | WB adjustment Point 3, R adjustment value |                                    |
|      | 10   | MG3G           | WB adjustment Point 3, G adjustment value |                                    |
|      | 11   | MG3B           | WB adjustment Point 3, B adjustment value |                                    |
|      | 12   | MG3Y           | WB adjustment Point 3, Y adjustment value | Quattron panel Only                |
| 11   | 1    | MG4R           | WB adjustment Point 4, R adjustment value | Parameter for six-point adjustment |
|      | 2    | MG4G           | WB adjustment Point 4, G adjustment value |                                    |
|      | 3    | MG4B           | WB adjustment Point 4, B adjustment value |                                    |
|      | 4    | MG4Y           | WB adjustment Point 4, Y adjustment value | Quattron panel Only                |
|      | 5    | MG5R           | WB adjustment Point 5, R adjustment value |                                    |
|      | 6    | MG5G           | WB adjustment Point 5, G adjustment value |                                    |
|      | 7    | MG5B           | WB adjustment Point 5, B adjustment value |                                    |
|      | 8    | MG5Y           | WB adjustment Point 5, Y adjustment value | Quattron panel Only                |
|      | 9    | MG6R           | WB adjustment Point 6, R adjustment value |                                    |
|      | 10   | MG6G           | WB adjustment Point 6, G adjustment value |                                    |
|      | 11   | MG6B           | WB adjustment Point 6, B adjustment value |                                    |
|      | 12   | MG6Y           | WB adjustment Point 6, Y adjustment value | Quattron panel Only                |
| 12   | 1    | MG7R           |   |                                    |
|      | 2    | MG7G           |   |                                    |
|      | 3    | MG7B           |   |                                    |
|      | 4    | MG7Y           |   |                                    |
| 13   | 1    | MODE SELECT    |   |                                    |
|      | 2    | POS SELECT     |   |                                    |
|      | 3    | POS MIN        |   |                                    |
|      | 4    | POS MID1       |   |                                    |
|      | 5    | POS MID2       |   |                                    |
|      | 6    | POS MID3       |   |                                    |
|      | 7    | POS MID4       |   |                                    |
|      | 8    | POS MID5       |   |                                    |
|      | 9    | POS MID6       |   |                                    |
|      | 10   | POS MID7       |   |                                    |
|      | 11   | POS MAX        |   |                                    |
| 14   | 1    | CD MIN         |   |                                    |
|      | 2    | CD MID1        |   |                                    |
|      | 3    | CD MID2        |   |                                    |
|      | 4    | CD MID3        |   |                                    |
|      | 5    | CD MID4        |   |                                    |
|      | 6    | CD MID5        |   |                                    |
|      | 7    | CD MID6        |   |                                    |
|      | 8    | CD MID7        |   |                                    |
|      | 9    | CD MAX         |   |                                    |

| Page | Line | Item                             | Description | Remarks (adjustment detail, etc.) |
|------|------|----------------------------------|-------------|-----------------------------------|
| 15   | 1    | CALC                             |             |                                   |
|      | 2    | RESET                            |             |                                   |
|      | 3    | VAL1                             |             |                                   |
|      | 4    | VAL2                             |             |                                   |
|      | 5    | VAL3                             |             |                                   |
|      | 6    | VAL4                             |             |                                   |
|      | 7    | VAL5                             |             |                                   |
|      | 8    | VAL6                             |             |                                   |
|      | 9    | VAL7                             |             |                                   |
|      | 10   | GAMMA ADJ TEMP                   |             |                                   |
| 16   | 1    | MONITOR TIME OUT                 |             |                                   |
|      | 2    | MONITOR MAX TEMP                 |             |                                   |
|      | 3    | MONITOR ERROR CAUSE RESET        |             |                                   |
| 17   | 1    | LCD TEST PATTERN1                |             |                                   |
|      | 2    | LCD TEST PATTERN2                |             |                                   |
|      | 3    | LCD TEST PATTERN3                |             |                                   |
|      | 4    | LCD TEST PATTERN4                |             |                                   |
|      | 5    | LCD TEST PATTERN5                |             |                                   |
|      | 6    | TV TEST PATTERN 1                |             |                                   |
|      | 7    | TV TEST PATTERN 2                |             |                                   |
| 18   | 1    | BOARD                            |             |                                   |
|      | 2    | LVM                              |             |                                   |
|      | 3    | LSE1(3D)                         |             |                                   |
|      | 4    | LSE1(2D)                         |             |                                   |
|      | 5    | LSE2(2D)                         |             |                                   |
|      | 6    | FRC MASTER FW                    |             |                                   |
|      | 7    | FRC SLAVE FW                     |             |                                   |
|      | 8    | TCON(2D MPD OFF MASTER)          |             |                                   |
|      | 9    | TCON(3D MASTER)                  |             |                                   |
| 19   | 1    | 3D HDMI FPGA Version             |             |                                   |
|      | 2    | 2D→3D FPGA Version               |             |                                   |
|      | 3    | 3D IR EMITTER CONTROL            |             |                                   |
| 20   | 1    | READ/WRITE                       |             |                                   |
|      | 2    | SLAVE ADDRESS                    |             |                                   |
|      | 3    | RESISTER ADDRESS UPPER           |             |                                   |
|      | 4    | RESISTER ADDRESS LOWER           |             |                                   |
|      | 5    | WRITE DATA UPPER                 |             |                                   |
|      | 6    | WRITE DATA LOWER                 |             |                                   |
|      | 7    | READ DATA UPPER                  |             |                                   |
|      | 8    | READ DATA LOWER                  |             |                                   |
| 21   | 1    | POWER LED BRIGHTNESS             |             |                                   |
|      | 2    | MENU LED BRIGHTNESS              |             |                                   |
|      | 3    | INPUT LED BRIGHTNESS             |             |                                   |
|      | 4    | CH UP LED BRIGHTNESS             |             |                                   |
|      | 5    | CH DOWN LED BRIGHTNESS           |             |                                   |
|      | 6    | VOL UP LED BRIGHTNESS            |             |                                   |
|      | 7    | VOL DOWN LED BRIGHTNESS          |             |                                   |
|      | 8    | LOGO LED BRIGHTNESS              |             |                                   |
|      | 9    | ICON LED BRIGHTNESS              |             |                                   |
|      | 10   | ICON LED BRIGHTNESS<br>(STANDBY) |             |                                   |
|      | 11   | 3D LED BRIGHTNESS                |             |                                   |
| 22   | 1    | POWER KEY SENSITIVITY            |             |                                   |
|      | 2    | MENU KEY SENSITIVITY             |             |                                   |
|      | 3    | INPUT KEY SENSITIVITY            |             |                                   |
|      | 4    | CH UP KEY SENSITIVITY            |             |                                   |
|      | 5    | CH DOWN KEY SENSITIVITY          |             |                                   |
|      | 6    | VOL UP KEY SENSITIVITY           |             |                                   |
|      | 7    | VOL DOWN KEY SENSITIVITY         |             |                                   |

| Page | Line | Item                      | Description                        | Remarks (adjustment detail, etc.) |
|------|------|---------------------------|------------------------------------|-----------------------------------|
| 23   | 1    | KEY STRENGTH GET MODE     |                                    |                                   |
|      | 2    | POWER KEY STRENGTH        |                                    |                                   |
|      | 3    | MENU KEY STRENGTH         |                                    |                                   |
|      | 4    | INPUT KEY STRENGTH        |                                    |                                   |
|      | 5    | CH UP KEY STRENGTH        |                                    |                                   |
|      | 6    | CH DOWN KEY STRENGTH      |                                    |                                   |
|      | 7    | VOL UP KEY STRENGTH       |                                    |                                   |
|      | 8    | VOL DOWN KEY STRENGTH     |                                    |                                   |
| 24   | 1    | CROSSTALK ADJ MODE        |                                    |                                   |
|      | 2    | CROSSTALK TH1             |                                    |                                   |
|      | 3    | CROSSTALK TH2             |                                    |                                   |
|      | 4    | CROSSTALK TH3             |                                    |                                   |
|      | 5    | CROSSTALK TH4             |                                    |                                   |
|      | 6    | CROSSTALK GAIN1           |                                    |                                   |
|      | 7    | CROSSTALK GAIN2           |                                    |                                   |
|      | 8    | CROSSTALK GAIN3           |                                    |                                   |
| 25   | 1    | WIFI SSID 2.4GHz          | Set AP SSID                        |                                   |
|      | 2    | WIFI SSID 5GHz            | Set AP SSID                        |                                   |
|      | 3    | WIFI RSSI 2.4GHz          | Set RSSI threshold                 |                                   |
|      | 4    | WIFI RSSI 5GHz            | Set RSSI threshold                 |                                   |
|      | 5    | WIFI TIME 2.4GHz          | Set Time Out                       |                                   |
|      | 6    | WIFI TIME 5GHz            | Set Time Out                       |                                   |
|      | 7    | WIFI RSSI TEST            | Execute test                       |                                   |
|      | 8    | WIFI RSSI RESULT          | Display test result                |                                   |
| 26   | 1    | KEY LOCK (1217)           |                                    |                                   |
|      | 2    | KOUTEI AREA ALL CLEAR     |                                    |                                   |
|      | 3    | A MODE AREA CLEAR         |                                    |                                   |
|      | 4    | BACKUP AREA CLEAR         |                                    |                                   |
|      | 5    | B MODE AREA CLEAR         |                                    |                                   |
|      | 6    | EXECUTION                 |                                    |                                   |
|      | 7    | USB BACKUP                |                                    |                                   |
|      | 8    | USB RESTORE               |                                    |                                   |
| 27   | 1    | ERROR STANDBY CAUSE1      |                                    |                                   |
|      | 2    | ERROR STANDBY CAUSE2      |                                    |                                   |
|      | 3    | ERROR STANDBY CAUSE3      |                                    |                                   |
|      | 4    | ERROR STANDBY CAUSE4      |                                    |                                   |
|      | 5    | ERROR STANDBY CAUSE5      |                                    |                                   |
|      | 6    | ERROR STANDBY CAUSE RESET |                                    |                                   |
| 28   | 1    | EEP SAVE                  | Writing setting values to EEPROM   |                                   |
|      | 2    | EEP RECOVER               | Reading setting values from EEPROM |                                   |
|      | 3    | MODEL NAME                |                                    |                                   |
|      | 4    | PANEL SIZE                |                                    |                                   |
|      | 5    | SETTING FOR ADJ           |                                    |                                   |
|      | 6    | VERUP FLAG ENABLE         |                                    |                                   |
|      | 7    | SHARP RC ENABLE           |                                    |                                   |
|      | 8    | PANEL LIMIT               |                                    |                                   |
|      | 9    | PANEL RANGE LIMIT         |                                    |                                   |
|      | 10   | SHORT CHECK MODE          |                                    |                                   |
|      | 11   | SHORT CHECK CURRENT       |                                    |                                   |
|      | 12   | CURRENT SW                |                                    |                                   |
|      | 13   | TEST NETWORK UPDATE       |                                    |                                   |
|      | 14   | SERIAL NO CHECK           |                                    |                                   |

**\*1 Details of P1.12 (NORMAL STANDBY CAUSE)**

When TV set is powered off due to normal use or product specification, the last cause will be recorded.

The code, character string and description for the standby cause are below.

If you power off by remote, the cause will not be recorded.

| Code | Character string | Description         |
|------|------------------|---------------------|
| 2    | NO_OPERT         | No operation off    |
| 3    | NO_SIGNA         | No signal off       |
| 6    | SLEEP_TM         | Off timer           |
| 8    | OFF_232C         | Command from RS232C |

**\*2 Details of P1.13 (ERROR STANDBY CAUSE)**

When TV set is powered off due to any anomaly detection, the past 5 causes will be recorded.

You can confirm the time those causes occurred and character string in the adjustment process mode menu. (Page 27/28)

The time is accumulated total after TV set is powered on, and the value corresponds to "Center Acutime" in the adjustment process mode menu.

The code, character string and description for the standby cause are below.

If no error has occurred, the code is 0 and the character string is "NO RECORD".

| Code | Character string | Description  |
|------|------------------|--|
| 1A   | E_MONITR         | Monitor trouble detected                                   |
| 1C   | E_CVICBT         | Driver boot error  |
| 22   | E_TCNERR         | Software abnormality of LCD controller                     |
| 48   | E_MRESET         | Failure of resetting menu settings (Initial Setup - Reset) |
| 50   | E_TCNF_S         | T-CON FPGA status error                                    |
| 54   | E_TCON_E         | T-CON hung-up  |

**Monitor ERR STBY table**

Outline: Communication/Power failure detected by the monitor microprocessor is stored in EEPROM, and last 4 abnormal can be confirmed in the Process mode A.

Location: Page 1 of the process mode A: MONITOR ERR CAUSE. "0" if there is no error. It is cleared to 0 on the last page of the process mode A.

| Display | Error description  |
|---------|--|
| 02      | Initial communication from the main CPU is not received.           |
| 03      | Only the initial communication is received.                        |
| 04      | Until panel information request reception                          |
| 05      | Until initialization completion reception                          |
| 06      | Until version notification transmission                            |
| 07      | Until start-up information notification transmission               |
| 08      | Until start-up information response reception                      |
| 09      | Until time-out setting reception                                   |
| 0A      | Request time-out   |
| 0B      | Restart time-out during the beginning of time acquisition start-up |
| 0C      | Ending sequence time-out   |
| 0D      | Preset start-up time-out during completion                         |
| 0E      | Download, start-up time-out  |
| 0F      | Time acquisition time-out  |
| 11      | Regular communication time-out                                     |
| 16      | Backlight error  |
| 1A      | Monitor temperature failure  |
| 1E      | DET_13V failure  |
| 1F      | DET_D3V3 failure   |
| 21      | DET_PNLxxV failure   |
| 23      | Error standby request from the main CPU                            |

Check UART bus between main CPU and sub CPU.

See p.6-5

- Check TV setting environment
- Check the other monitor (ref No.)

Check 13V power line.

Check D3V3 power line.

Check T-CON power line

Check ERROR STANDBY CAUSE (p.5-8)

## 6. Special features

\* STANDBY CAUSE (Page 1/28)

Display of a cause (code) of the last standby

The cause of the last standby is recorded in EEPROM whenever possible.

Checking this code will be useful in finding a problem when you repair the troubled set.

\* EEP SAVE (Page 28/28)

Storage of EEP adjustment value

\* EEP RECOVER (Page 28/28)

Retrieval of EEP adjustment value from storage area

## 7. Writing the microprocessor software

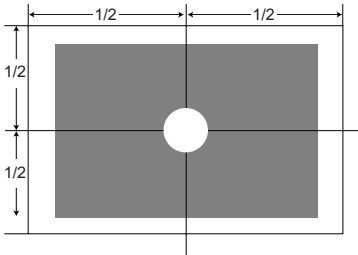
### 7.1. Writing the main microprocessor software and monitor microprocessor software

(Main PWB: QPWBXG382WJ\*\*/QPWBXG381WJ\*\*)

|   | Adjustment item  | Adjustment conditions   | Adjustment procedure   |
|---|--|---|--|
| 1 | Writing the main microprocessor software and monitor microprocessor software<br><Main PWB> | Checker process<br><br>Checking the file version<br>Checking the USB memory | <ol style="list-style-type: none"> <li>1) Using the checker, connect the specified writing tool to the SC3101 (TL3115 - TL3128).</li> <li>2) Using the checker, connect the USB memory to the J9502 (TL9524 - 9527).</li> <li>3) Apply the specified voltage to the PWB and boot it up with the tool connected.</li> <li>4) Send the software writing start command via RS232C.</li> <li>5) Send the writing status check command and confirm the response of OK. Then turn off the power.</li> </ol> <p>CAUTION: When the USB memory is not inserted or reading error occurs, nothing is written.</p> |

## 8. Signal adjustment

### 8.1. LCD section adjustment [LCD module adjustment]

|   | Adjustment item                                       | Adjustment conditions                          | Adjustment procedure  |
|---|---|--|---|
| 1 | Opposite bias adjustment (LCD module adjustment item) | Adjustment in the center position of the panel | <ol style="list-style-type: none"> <li>1) Enter the process mode using the process adjustment remote control.</li> <li>2) Select [VCOM ADJ] using the Channel <math>\wedge/\vee</math> keys on the remote control.</li> <li>3) Press the Enter key to check that the pattern for adjustment is displayed.</li> <li>4) Make adjustment so that the flicker located in the center of the screen is minimized using the Volume +/- keys on the remote control.</li> <li>5) If the optimum condition is obtained in step 4, press the Enter key to turn off the pattern.</li> </ol> <p>CAUTION: * Make adjustment with no ANT signal (since the brightness is changed by the active backlight).</p> <p>[Adjustment position]</p> <ul style="list-style-type: none"> <li>• LC-60/70EQ10U/SQ10U,15U,17U/TQ15U/UQ17U</li> </ul>  |

### 8.2. Image adjustment

#### 8.2.1 Device check

■ Before adjustment, check that the adjustment jig and signal source are set for Sharp LCD US.

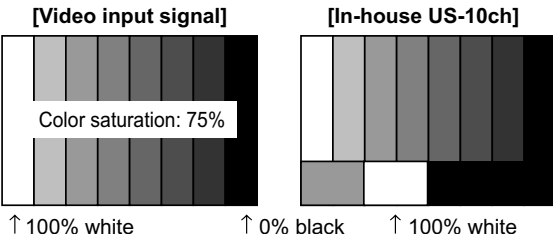
■ Signal generator level adjustment check (Adjust to the standard value level.)

- Composite signal: 0.714Vp-p  $\pm$  0.02Vp-p (Pedestal to white)
- 15K component signal: Y level: 0.714Vp-p  $\pm$  0.02Vp-p (Pedestal to white)  
PB/PR level: 0.7Vp-p  $\pm$  0.02Vp-p
- 33K component signal: Y level: 0.7Vp-p  $\pm$  0.02Vp-p (Pedestal to white)  
PB/PR level: 0.7Vp-p  $\pm$  0.02Vp-p
- Analog RGB: RGB level: 0.7Vp-p  $\pm$  0.02Vp-p (Pedestal to white)

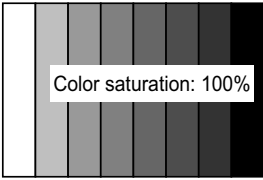
#### 8.2.2 Process mode

|  | Adjustment point | Adjustment conditions | Adjustment procedure   |
|--|------------------|-----------------------|--|
|  | Process mode     |                       | Enter the process adjustment mode using the process adjustment remote control. |

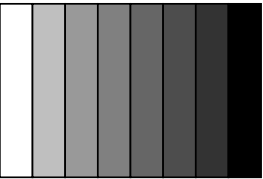
#### 8.2.3 Composite N358 signal/tuner adjustment

|   | Adjustment point               | Adjustment conditions  | Adjustment procedure  |
|---|--------------------------------|------------------------|---|
| 1 | Setting                        | N358 signal<br>US-10ch | <ul style="list-style-type: none"> <li>• Send the N358 color bar (color saturation: 75%) signal to the composite input.</li> <li>• Send the in-house signal (use US-10ch) to TUNER.</li> </ul>  |
| 2 | Automatic adjustment execution |                        | Point the cursor to [■N358 ALL ADJ(INPUT2)] and press the [Enter] key. The adjustment is complete when [■N358 ALL ADJ(INPUT2) OK] is displayed.   |

## 8.2.4 Component 33K signal adjustment

|   | Adjustment point               | Adjustment conditions | Adjustment procedure   |
|---|--------------------------------|-----------------------|--|
| 1 | Setting                        | 1080i signal          | <ul style="list-style-type: none"> <li>Send the 100% color bar signal to the component input.</li> </ul>  <p>Color saturation: 100%<br/>1080i<br/>100% color bar</p> <p>↑ 100% white                      ↑ 0% black</p> |
| 2 | Automatic adjustment execution |                       | <p>Point the cursor to [■COMP33K ADJ(INPUT1)] and press the [Enter] key. The adjustment is complete when [■COMP33K ADJ(INPUT1) OK] is displayed. "Component 15K" Adjustment is internally handled automatically. AUTO CLANP 1, parameters are copied from the 33K.</p>                                     |

## 8.2.5 Analog RGB signal adjustment

|   | Adjustment point               | Adjustment conditions                               | Adjustment procedure  |
|---|--------------------------------|---|---|
| 1 | Setting                        | Signal: XGA<br>(1024x768) 60Hz<br>SYNC: HV separate | <ul style="list-style-type: none"> <li>Send the 100% color bar signal to the PC input.</li> </ul>  <p>XGA (1024x768)<br/>100% color bar</p> <p>↑ 100% white                      ↑ 0% black</p> |
| 2 | Automatic adjustment execution |   | <p>Point the cursor to [■ANALOG RGB ADJ] and press the [Enter] key. The adjustment is complete when [■ANALOG RGB ADJ OK] is displayed.</p>  |

## 8.2.6 Tuner/V-CHIP adjustment

|   | Adjustment point               | Adjustment conditions         | Adjustment procedure  |
|---|--------------------------------|-------------------------------|---|
| 1 | Setting                        | NTSC RF signal<br>US-7(AIR)ch | <ul style="list-style-type: none"> <li>Send the NTSC signal to the RF antenna input.</li> </ul>   |
| 2 | Automatic adjustment execution |                               | <p>Point the cursor to [■VCHIP TEST(*07ch)] and press the [Enter] key. (* Adjust the selected channel to the in-house signal.) The adjustment is OK when [■VM-OK] is displayed in green. (NG when VM-NG is displayed in red.)</p> |

## 9. White balance adjustment

## 9.1. White balance adjustment (For details about the adjustment procedure, refer to “Kameyama Model Integrated Monitor WB Adjustment Specification V1.92”.)

- LC-60/70EQ10U/SQ10U,15U,17U/TQ15U

|   | Adjustment point               | Adjustment conditions  | Adjustment procedure   |
|---|--------------------------------|--|--|
| 1 | Setting                        |  | 1) Set the unit to the following conditions.<br>AV MODE: [DYNAMIC]<br>Backlight: +16<br>Active Backlight: OFF<br>Aging Time: Min. 60 minutes<br>2) Connect the unit with the white balance adjustment jig.   |
| 2 | Automatic adjustment execution | [Command]<br>Process mode<br>KR5W0001<br>KKT10037<br>Setting<br>KY0F0000<br>0SDS0001<br>SBSL0016<br>Multi-point adjustment mode<br>MSET0011<br><br>Point 7<br>LEV70232<br>MG7G****<br>MG7B****<br>MG7R****<br>MG7Y****<br><br>Point 6<br>LEV60196<br>MG6G****<br>MG6B****<br>MG6R****<br>MG6Y****<br><br>Point 5<br>LEV50156<br>MG5G****<br>MG5B****<br>MG5R****<br>MG5Y****<br><br>Point 4<br>LEV40108<br>MG4G****<br>MG4B****<br>MG4R****<br>MG4Y****<br><br>Point 3<br>LEV30076<br>MG3G****<br>MG3B****<br>MG3R****<br>MG3Y****<br><br>Point 2<br>LEV20048<br>MG2G****<br>MG2B****<br>MG2R****<br>MG2Y****<br><br>Writing<br>MSET0003 | [Adjustment procedure]<br>1) Send the “adjustment process” code using the remote control.<br>2) Set the point 7 to the specified gradation, specify the strongest color as the fixed color, and adjust the RGB so that it becomes the standard value through the negative adjustment.<br>After adjustment, compare the R and G values; based on that result, calculate the Ye value in the following conditions.<br>$R > G: Y_e = G \times 1.05$<br>$R \leq G: Y_e = R \times 1.05$<br>* If the Ye value exceeds the initial value (input gradation x 4), round it off to that value or less.<br>[WBstep2 readjustment]<br>Measure the brightness YWB7 after adjusting the above point 7.<br>(i) If $YWB7 \geq Y_{th}$ [cd/m <sup>2</sup> ], go to step 3.<br>(ii) If $YWB7 < Y_{th}$ [cd/m <sup>2</sup> ]:<br>a) If R adjustment value (R7) of point 7 $\neq$ R initial value of point 7, go to step 3.<br>b) If R adjustment value (R7) of point 7 = R initial value of point 7:<br>$GAIN = (Y_{br}/YWB7)^{1/2}$ (If $GAIN > [G \text{ gain limit}]$ , set as $GAIN = [G \text{ gain limit}]$ .)<br>$G7' = GAIN \times G7$ (If $G7' > 928$ , set as $G7' = 928$ .)<br>$Y7' = G7' \times 1.05$ (If $Y7' > 928$ , set as $Y7' = 928$ .)<br>$B7' = B7 \times (G7'/G7)$ (If $B7' > 928$ , set as $B7' = 928$ .)<br>Change the adjustment values of G, B, and Y to G7', B7', and Y7', and then go to step 3.<br>$\square$ Threshold and correction upper limit value<br>$Y_{th} = 199$ [cd/m <sup>2</sup> ], $Y_{br} = 204$ [cd/m <sup>2</sup> ],<br>$G \text{ gain limit} = 1.10$ [times]<br>3) Set the point 6 to the specified gradation, and set the G correction value ( $784 \times G$ value of point 7/928) (fractions rounded off) and the Ye correction value ( $784 \times Y_e$ value of point 7/928) (fractions rounded off); then adjust RB so that it becomes the standard value.<br>4) Set the point 5 to the specified gradation, and set the G correction value ( $624 \times G$ value of point 7/928) (fractions rounded off) and the Ye correction value ( $624 \times Y_e$ value of point 7/928) (fractions rounded off); then adjust RB so that it becomes the standard value.<br>5) Set the point 4 to the specified gradation, and set the G correction value ( $432 \times G$ value of point 7/928) (fractions rounded off) and the Ye correction value ( $432 \times Y_e$ value of point 7/928) (fractions rounded off); then adjust RB so that it becomes the standard value.<br>6) Set the point 3 to the specified gradation, and set the G correction value ( $304 \times G$ value of point 7/928) (fractions rounded off) and the Ye correction value ( $304 \times Y_e$ value of point 7/928) (fractions rounded off); then adjust RB so that it becomes the standard value.<br>7) Set the point 2 to the specified gradation, and set the G correction value ( $192 \times G$ value of point 7/928) (fractions rounded off) and the Ye correction value ( $192 \times Y_e$ value of point 7/928) (fractions rounded off); then adjust RB so that it becomes the standard value.<br>8) Set the point 1 to the specified gradation, and set as follows:<br>G correction value ( $80 \times G$ value of point 7/928) (fractions rounded off)<br>Ye correction value ( $80 \times Y_e$ value of point 7/928) (fractions rounded off)<br>R correction value ( $80 \times R$ value of point 2/180) x R_GAIN (fractions rounded off)<br>B correction value ( $80 \times B$ value of point 2/180) x B_GAIN (fractions rounded off)<br>$\square$ GAIN value<br>$R\_GAIN = 0.981$ , $B\_GAIN = 1.149$<br>9) Write the adjustment value by the MSET0003 command.<br>* RGBY initial value of point 7: Set gradation 928<br>[Adjustment value]<br>* According to the “Standard settings” submitted by the Technical Department [LC60SQ15U] SQ17U,15U,10U/EQ10U/TQ15U teaching set |

|  | Adjustment point | Adjustment conditions | Adjustment procedure   |   |                      |                 |                 |
|--|------------------|-----------------------|--|---|----------------------|-----------------|-----------------|
|  |                  |                       | [Adjustment standard value]<br>Measuring instrument: [TOPCON SR-UL2] Technical measuring instrument.   |   |                      |                 |                 |
|  |                  |                       |  | Level   | Reference value      | Adjustment spec | Inspection spec |
|  |                  |                       | Point 7  | 928   | X=0.272<br>y=0.277   | ±0.0010         | ±0.0020         |
|  |                  |                       | Point 6  | 784   | X=0.2755<br>y=0.2720 | ±0.0015         | ±0.0030         |
|  |                  |                       | Point 5  | 624   | X=0.2755<br>y=0.2720 | ±0.0020         | ±0.0040         |
|  |                  |                       | Point 4  | 432   | X=0.2755<br>y=0.2720 | ±0.0030         | ±0.0060         |
|  |                  |                       | Point 3  | 304   | X=0.2755<br>y=0.2720 | ±0.0035         | ±0.0070         |
|  |                  |                       | Point 2  | 192   | X=0.2755<br>y=0.2720 | ±0.0040         | ±0.0080         |
|  |                  |                       | Remarks  | Setting conditions for inspection<br>AV MODE: [DYNAMIC] (Reset)<br>Monochro: ON<br>Active Backlight: OFF<br>Aging Time: Min. 60 minutes |                      |                 |                 |
|  |                  |                       | Brightness specification after adjustment.<br>LC-60SQ10U,15U,17U/EQ10U/TQ15U:Min 240cd/m <sup>2</sup><br>LC-70SQ10U,15U,17U/EQ10U/TQ15U:Min 240cd/m <sup>2</sup> |   |                      |                 |                 |

|         | Adjustment point               | Adjustment conditions  | Adjustment procedure   |         |     |         |     |         |     |         |     |         |     |         |     |         |   |
|---------|--------------------------------|--|--|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|---|
| 1       | Setting                        |  | 1) Set the unit to the following conditions.<br>AV MODE: [DYNAMIC]<br>Backlight: +16<br>Active Contrast: OFF<br>Aging Time: Min. 30 minutes<br>Resolution Enhanced:Mode1<br>2) Connect the unit with the white balance adjustment jig.<br>3) Display the adjustment screen in RS-232C command.   |         |     |         |     |         |     |         |     |         |     |         |     |         |   |
| 2       | Automatic adjustment execution | [Command]<br>Process mode<br>KR5W0001<br>KKT10037<br>Setting<br>KY0F0000<br>OSDS0001<br>SBSL0016<br>Multi-point adjustment mode<br>MSET0011<br>Point 7<br>LEV70232<br>MG7R0928<br>MG7G0928<br>MG7B0928<br>MG7Y0928<br>1G7G****<br>1G7B****<br>1G7R****<br>1G7Y****<br>Point 6<br>LEV60196<br>MG6R0800<br>MG6G0800<br>MG6B0800<br>MG6Y0800<br>1G6G****<br>1G6B****<br>1G6R****<br>1G6Y****<br>Point 5<br>LEV50156<br>MG5R0528<br>MG5G0528<br>MG5B0528<br>MG5Y0528<br>1G5G****<br>1G5B****<br>1G5R****<br>1G5Y****<br>Point 4<br>LEV40108<br>MG4R0456<br>MG4G0456<br>MG4B0456<br>MG4Y0456<br>1G4G****<br>1G4B****<br>1G4R****<br>1G4Y****<br>Point 3<br>LEV30076<br>MG3R0232<br>MG3G0232<br>MG3B0232<br>MG3Y0232<br>1G3G****<br>1G3B****<br>1G3R****<br>1G3Y**** | [Adjustment procedure]<br>1) Send the "adjustment process" code using the remote control.<br>Enter the following in the WB adjustment value of the high-side.(Point1~7 RGBY value) <table border="1" data-bbox="971 527 1203 783" style="margin-left: auto; margin-right: auto;"> <tr><td>Point 7</td><td>928</td></tr> <tr><td>Point 6</td><td>800</td></tr> <tr><td>Point 5</td><td>528</td></tr> <tr><td>Point 4</td><td>456</td></tr> <tr><td>Point 3</td><td>232</td></tr> <tr><td>Point 2</td><td>192</td></tr> <tr><td>Point 1</td><td>0</td></tr> </table> 2) Set the point 7 to the specified gradation, specify the strongest color as the fixed color, and adjust the RGB so that it becomes the standard value through the negative adjustment.<br>After adjustment, compare the R and G values; based on that result, calculate the Ye value in the following conditions.<br>$R > G: Ye = G \times 1.05$<br>$R \leq G: Ye = R \times 1.05$<br>* If the Ye value exceeds the initial value (input gradation x 4), round it off to that value or less.<br>3) Set the point 6 to the specified gradation, and set the G correction value (784 x G value of point 7/928) (fractions rounded off) and the Ye correction value (784 x Ye value of point 7/928) (fractions rounded off); then adjust RB so that it becomes the standard value.<br>4) Set the point 5 to the specified gradation, and set the G correction value (624 x G value of point 7/928) (fractions rounded off) and the Ye correction value (624 x Ye value of point 7/928) (fractions rounded off); then adjust RB so that it becomes the standard value.<br>5) Set the point 4 to the specified gradation, and set the G correction value (432 x G value of point 7/928) (fractions rounded off) and the Ye correction value (432 x Ye value of point 7/928) (fractions rounded off); then adjust RB so that it becomes the standard value.<br>6) Set the point 3 to the specified gradation, and set the G correction value (304 x G value of point 7/928) (fractions rounded off) and the Ye correction value (296 x Ye value of point 7/928) (fractions rounded off); then adjust RB so that it becomes the standard value.<br>7) Set the point 2 to the specified gradation, and set the G correction value (192 x G value of point 7/928) (fractions rounded off) and the Ye correction value (192 x Ye value of point 7/928) (fractions rounded off); then adjust RB so that it becomes the standard value.<br>8) Set the point 1 to the specified gradation, and set as follows:<br>G correction value (80 x G value of point 7/928) (fractions rounded off)<br>Ye correction value (80 x Ye value of point 7/928) (fractions rounded off)<br>R correction value (80 x R value of point 2/192) x R_GAIN (fractions rounded off)<br>B correction value (80 x B value of point 2/192) x B_GAIN (fractions rounded off)<br>□GAIN value<br>$R\_GAIN = 0.990, B\_GAIN = 1.019$<br>9) Write the adjustment value by the MSET0030 command.<br>[Adjustment value]<br>* According to the "Standard settings" submitted by the Technical Department [LC60UQ17U] UQ Serise teaching set | Point 7 | 928 | Point 6 | 800 | Point 5 | 528 | Point 4 | 456 | Point 3 | 232 | Point 2 | 192 | Point 1 | 0 |
| Point 7 | 928                            |  |  |         |     |         |     |         |     |         |     |         |     |         |     |         |   |
| Point 6 | 800                            |  |  |         |     |         |     |         |     |         |     |         |     |         |     |         |   |
| Point 5 | 528                            |  |  |         |     |         |     |         |     |         |     |         |     |         |     |         |   |
| Point 4 | 456                            |  |  |         |     |         |     |         |     |         |     |         |     |         |     |         |   |
| Point 3 | 232                            |  |  |         |     |         |     |         |     |         |     |         |     |         |     |         |   |
| Point 2 | 192                            |  |  |         |     |         |     |         |     |         |     |         |     |         |     |         |   |
| Point 1 | 0                              |  |  |         |     |         |     |         |     |         |     |         |     |         |     |         |   |

| Adjustment point | Adjustment conditions   | Adjustment procedure   |                 |                 |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
|------------------|---|--|-----------------|-----------------|--|--|-------|-----------------|-----------------|-----------------|---------|-----|----------|---------|---------|---------|---------|-----|----------|---------|---------|---------|---------|-----|----------|---------|---------|---------|---------|-----|----------|---------|---------|---------|---------|-----|----------|---------|---------|---------|---------|-----|----------|---------|---------|---------|---------|--|---|--|--|
|                  | Point 2<br>LEV20048<br>MG2R0192<br>MG2G0192<br>MG2B0192<br>MG2Y0192<br>1G2G****<br>1G2B****<br>1G2R****<br>1G2Y****<br>Point 1<br>LEV10020<br>MG1G0000<br>MG1B0000<br>MG1R0000<br>MG1Y0000<br>1G1G****<br>1G1B****<br>1G1R****<br>1G1Y****<br>The MAX brightness measured after adjustment<br>CHGM1255<br><br>Writing<br>MSET0030 | [Adjustment standard value]<br>Measuring instrument: [TOPCON SR-UL2] Technical measuring instrument.<br><br><table border="1" data-bbox="672 229 1500 672"> <thead> <tr> <th></th> <th>Level</th> <th>Reference value</th> <th>Adjustment spec</th> <th>Inspection spec</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Point 7</td> <td rowspan="2">928</td> <td>X=0.3127</td> <td rowspan="2">±0.0010</td> <td rowspan="2">±0.0020</td> </tr> <tr> <td>y=0.329</td> </tr> <tr> <td rowspan="2">Point 6</td> <td rowspan="2">784</td> <td>X=0.3127</td> <td rowspan="2">±0.0015</td> <td rowspan="2">±0.0030</td> </tr> <tr> <td>y=0.329</td> </tr> <tr> <td rowspan="2">Point 5</td> <td rowspan="2">624</td> <td>X=0.3127</td> <td rowspan="2">±0.0020</td> <td rowspan="2">±0.0040</td> </tr> <tr> <td>y=0.329</td> </tr> <tr> <td rowspan="2">Point 4</td> <td rowspan="2">432</td> <td>X=0.3127</td> <td rowspan="2">±0.0030</td> <td rowspan="2">±0.0060</td> </tr> <tr> <td>y=0.329</td> </tr> <tr> <td rowspan="2">Point 3</td> <td rowspan="2">304</td> <td>X=0.3127</td> <td rowspan="2">±0.0035</td> <td rowspan="2">±0.0070</td> </tr> <tr> <td>y=0.329</td> </tr> <tr> <td rowspan="2">Point 2</td> <td rowspan="2">192</td> <td>X=0.3127</td> <td rowspan="2">±0.0040</td> <td rowspan="2">±0.0080</td> </tr> <tr> <td>y=0.329</td> </tr> <tr> <td>Remarks</td> <td></td> <td colspan="3">                     Setting conditions for inspection<br/>                     AV MODE: [DYNAMIC] (Reset)<br/>                     Monochro: ON<br/>                     Active Backlight: OFF<br/>                     Aging Time: Min. 60 minutes                 </td> </tr> </tbody> </table> Brightness specification after adjustment.<br>LC-60/70UQ17U:Min 368cd/m2<br>LC-80UQ17U:Min 328cd/m2 |                 |                 |  |  | Level | Reference value | Adjustment spec | Inspection spec | Point 7 | 928 | X=0.3127 | ±0.0010 | ±0.0020 | y=0.329 | Point 6 | 784 | X=0.3127 | ±0.0015 | ±0.0030 | y=0.329 | Point 5 | 624 | X=0.3127 | ±0.0020 | ±0.0040 | y=0.329 | Point 4 | 432 | X=0.3127 | ±0.0030 | ±0.0060 | y=0.329 | Point 3 | 304 | X=0.3127 | ±0.0035 | ±0.0070 | y=0.329 | Point 2 | 192 | X=0.3127 | ±0.0040 | ±0.0080 | y=0.329 | Remarks |  | Setting conditions for inspection<br>AV MODE: [DYNAMIC] (Reset)<br>Monochro: ON<br>Active Backlight: OFF<br>Aging Time: Min. 60 minutes |  |  |
|                  | Level   | Reference value  | Adjustment spec | Inspection spec |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
| Point 7          | 928   | X=0.3127   | ±0.0010         | ±0.0020         |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
|                  |   | y=0.329  |                 |                 |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
| Point 6          | 784   | X=0.3127   | ±0.0015         | ±0.0030         |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
|                  |   | y=0.329  |                 |                 |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
| Point 5          | 624   | X=0.3127   | ±0.0020         | ±0.0040         |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
|                  |   | y=0.329  |                 |                 |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
| Point 4          | 432   | X=0.3127   | ±0.0030         | ±0.0060         |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
|                  |   | y=0.329  |                 |                 |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
| Point 3          | 304   | X=0.3127   | ±0.0035         | ±0.0070         |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
|                  |   | y=0.329  |                 |                 |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
| Point 2          | 192   | X=0.3127   | ±0.0040         | ±0.0080         |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
|                  |   | y=0.329  |                 |                 |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |
| Remarks          |   | Setting conditions for inspection<br>AV MODE: [DYNAMIC] (Reset)<br>Monochro: ON<br>Active Backlight: OFF<br>Aging Time: Min. 60 minutes  |                 |                 |  |  |       |                 |                 |                 |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |     |          |         |         |         |         |  |   |  |  |

## 9.2. Gamma2.2 Adjustment (LC-60/70UQ17U)

|   | Adjustment point               | Adjustment conditions   | Adjustment procedure  |
|---|--------------------------------|---|---|
| 1 | Setting                        | AV MODE:<br>DYNAMIC<br>Backlight:+16<br>Active Contrast:<br>OFF<br>Resolution<br>Enhanced:<br>Mode1 | For details on the adjustment procedure, refer to the latest version of "Gamma Adjustment Specification".<br>1. Confirm the set condition.<br>2. Execute aging for 30 minutes or more.<br>3. Connect the jig.<br>4. Adjust the probe position to the screen position where the white balance has been adjusted.   |
| 2 | Automatic adjustment execution |   | <ul style="list-style-type: none"> <li>• ESet the MAX adjustment gradation to the specified gradation and measure the brightness. Multiply the brightness value by 10, then set the integer part to the adjustment value.</li> <li>• ESet the MID7 adjustment gradation to the specified gradation and measure the brightness. Multiply the brightness value by 10, then set the integer part to the adjustment value.</li> <li>• ESet the MID6 adjustment gradation to the specified gradation and measure the brightness. Multiply the brightness value by 10, then set the integer part to the adjustment value.</li> <li>• ESet the MID5 adjustment gradation to the specified gradation and measure the brightness. Multiply the brightness value by 10, then set the integer part to the adjustment value.</li> <li>• ESet the MID4 adjustment gradation to the specified gradation and measure the brightness. Multiply the brightness value by 10, then set the integer part to the adjustment value.</li> <li>• ESet the MID3 adjustment gradation to the specified gradation and measure the brightness. Multiply the brightness value by 10, then set the integer part to the adjustment value.</li> <li>• ESet the MID2 adjustment gradation to the specified gradation and measure the brightness. Multiply the brightness value by 10, then set the integer part to the adjustment value.</li> <li>• ESet the MID1 adjustment gradation to the specified gradation and measure the brightness. Multiply the brightness value by 10, then set the integer part to the adjustment value.</li> <li>• ESet the MIN adjustment gradation to the specified gradation and measure the brightness. Multiply the brightness value by 100, then set the integer part to the adjustment value.</li> </ul> [Adjustment gradation]<br>MAX adjustment gradation 255/255 gradation<br>MID7 adjustment gradation 232/255 gradation<br>MID6 adjustment gradation 196/255 gradation<br>MID5 adjustment gradation 159/255 gradation<br>MID4 adjustment gradation 108/255 gradation<br>MID3 adjustment gradation 76/255 gradation<br>MID2 adjustment gradation 48/255 gradation<br>MID1 adjustment gradation 20/255 gradation<br>MIN adjustment gradation 0/255 gradation |
| 3 |                                |   | Confirm that the result of the adjustment is OK.<br><ul style="list-style-type: none"> <li>• Confirm that the r adjustment VAL value is within the spec.</li> </ul> VAL value spec: $100 \pm 15$  |

## 10. Key writing

### 10.1. EDID writing (Main PWB: QPWBXG381WJ\*\*/QPWBXG382WJ\*\*)

1. Write the EDID key data on IC3103 mounted on the main PWB.
2. Carry out thorough data management to avoid redundant writing of data.

If the IC where data is written is damaged, replace the PWB since only the IC cannot be changed.

|   | Adjustment Point   | Adjustment conditions                      | Adjustment procedure  |
|---|--|--|---|
| 1 | HDMI EDID writing<br>Analog RGB EDID writing<br>(Main PWB) | Process mode<br>Model discrimination check | <ol style="list-style-type: none"> <li>1. Enter the process mode.</li> <li>2.QPWBXG381WJ**/QPWBXG382WJ**<br/>Point the cursor to [HDMI EDID WRITE] and press the [ENT] key.<br/>The writing is complete when [OK] is displayed.</li> <li>3.QPWBXG382WJ**<br/>Point the cursor to [HDMI EXTERNAL EDID WRITE] and press the [ENT] key.<br/>The writing is complete when [OK] is displayed.</li> </ol> <p>[Caution]<br/>Perform the data writing after setting the model discrimination.<br/>The data based on the model discrimination information is recorded in EEPROM.<br/>When applying 3., please be performed in a state of disconnect the cable from the HDMI terminal always.</p> |

### 10.2. MAC key writing (MAIN PWB: QPWBXG381WJ\*\*/QPWBXG382WJ\*\*)

1. Write the NETFLIX/WMDRM key data on IC3103 mounted on the main PWB.
2. Carry out thorough data management to avoid redundant writing of data.

If the IC where data is written is damaged, replace the PWB since only the IC cannot be changed.

### 10.3. NETFLIX/WV(RoxioNow)&WMDRM key writing HDCP 2.2(Miracast) (MAIN PWB: QPWBXG381WJ\*\*/QPWBXG382WJ\*\*)

1. Write the wide vine key data on IC3103 mounted on the main PWB.
2. Carry out thorough data management to avoid redundant writing of data.

If the IC where data is written is damaged, replace the PWB since only the IC cannot be changed.

NOTE: For EDID of the analog RGB (DSUB 15pin), write the data on the process menu just like HDMI.

### 10.4. Update Logic Serial No. writing (MAIN PWB: QPWBXG381WJ\*\*/QPWBXG382WJ\*\*)

## 11. Factory setting

After completing the factory setting, pull out the AC cord to complete the setting.

CAUTION: Do not turn on the power after completing the factory setting. If the power is turned on, configure the factory setting again.

|   | Adjustment point | Adjustment conditions                            | Adjustment procedure  |
|---|------------------|--|---|
| 1 | Factory setting  | Complete the setting by pulling out the AC cord. | <ul style="list-style-type: none"> <li>• Point the cursor to [INDUSTRY INIT (+Cause)], set to "ON" using [+] / [-] of the [VOL] key, and press the [ENT] key.<br/>The version confirmation screen appears on the green screen. It is completed when [SUCCESS] is displayed at the top.<br/>(If error occurs, [ERROR] is displayed on the red screen.)</li> <li>• Turn off the AC power.</li> </ul> <p>The following items are initialized when configuring the factory setting.</p> <ol style="list-style-type: none"> <li>1) User set value</li> <li>2) Channel data (broadcasting frequency, etc.)</li> <li>3) Password setting value</li> <li>4) Operating time</li> <li>5) Standby Cause</li> <li>6) Auto installation flag</li> <li>7) V-CHIP block setting value</li> </ol> |

## 12. Software version

1. Main microprocessor  
ASTN\_UQ17U\_xxx.USB  
ASTN\_UQ17U\_xxx.DAT  
ASTN\_UQ17U\_xxx\_CHK.USB  
ASTN\_UQ17U\_xxxxxxxx.PCC
2. Monitor microprocessor  
ASTNMxxx.SMB
3. T-CON ROM  
APRICOT\_\*\*\*\*\*.ROM

## 13. Writing the inch and model name onto EEPROM

1. Enter the adjustment process mode.
2. Point the cursor to [MODEL NAME] (Page 28/28).
3. Select "EQ10U" or "SQ10U" or "SQ15U" or "SQ17U" or "TQ15U", and press [Enter] key.
4. "OK" is displayed.
5. Point the cursor to [PANEL SIZE] (Page 28/28).
6. Select "60" or "70" or "80" and press [Enter] key.
7. Moments later image is displayed.
8. Turn off power
9. Turn on power

**14. Check MIRACAST HDCP (EQ/SQ/TQ/UQ models)**

After changing to New Main board , change "Model and Panel Size" and write "Serial Number", then please check if MIRACAST HDCP is written or not.

1) Models which MIRACAST HDCP is needed

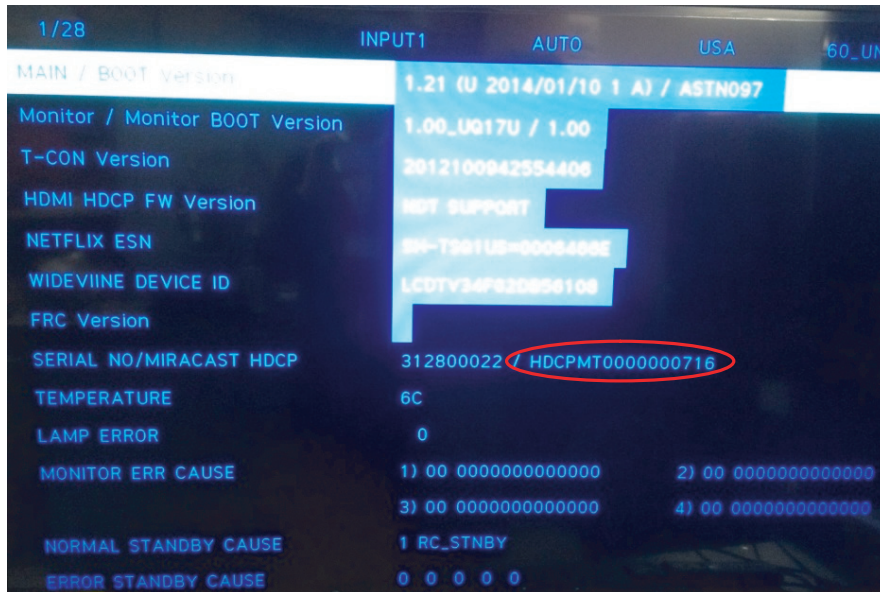
EQ/SQ/TQ/UQ models should have MIRACAST HDCP written because they are models which have miracast feature.

Please check after changing main unit and make sure that MIRACAST HDCP is written.

**How to check**

1. Enter the adjustment process mode.
2. Look at MIRACAST HDCP on the 1st page.

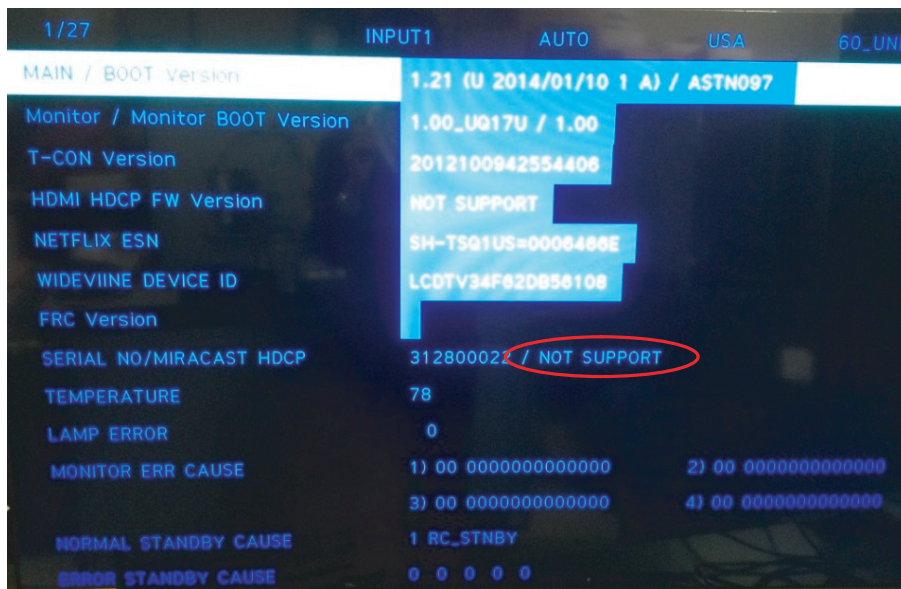
Example : LC-60EQ10U



CAUTION: When reusing the main units taken from other TV sets, be aware not to use main units taken from TV sets of LE642UA/LE650UA/LE657UA models.

LE642UA/LE650UA/LE657UA models are shipped out with MIRACAST HDCP not written when production.)

Example : LC-60LE650UA



## 15. How to White Balance Data Copy

NOTE: This is only available when it's possible to enter the adjust process mode.

### Get ready before you start

- USB Memory of 128MB or higher capacity.
- PC running on Windows 98/98SE/ME/2000/XP operating system.
- USB Memory reader/writer or PC with a USB port.
- The file system of a USB memory is FAT. (FAT32 supports)
- Use the USB memory without other functions. (lock and memory reader...etc)
- Use the USB memory without other files.

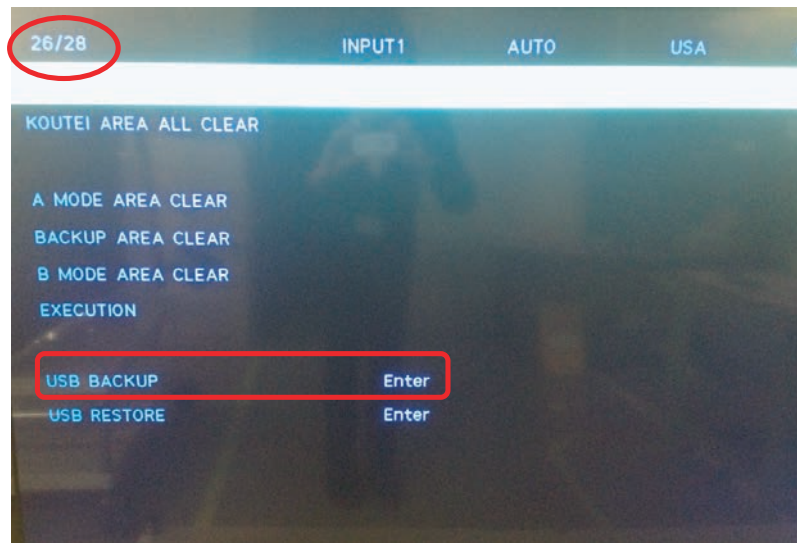
### Before change Main Board

Enter the adjustment process mode and go to page where it has "USB BACKUP".

650UA/657UA/642UA series → page 25

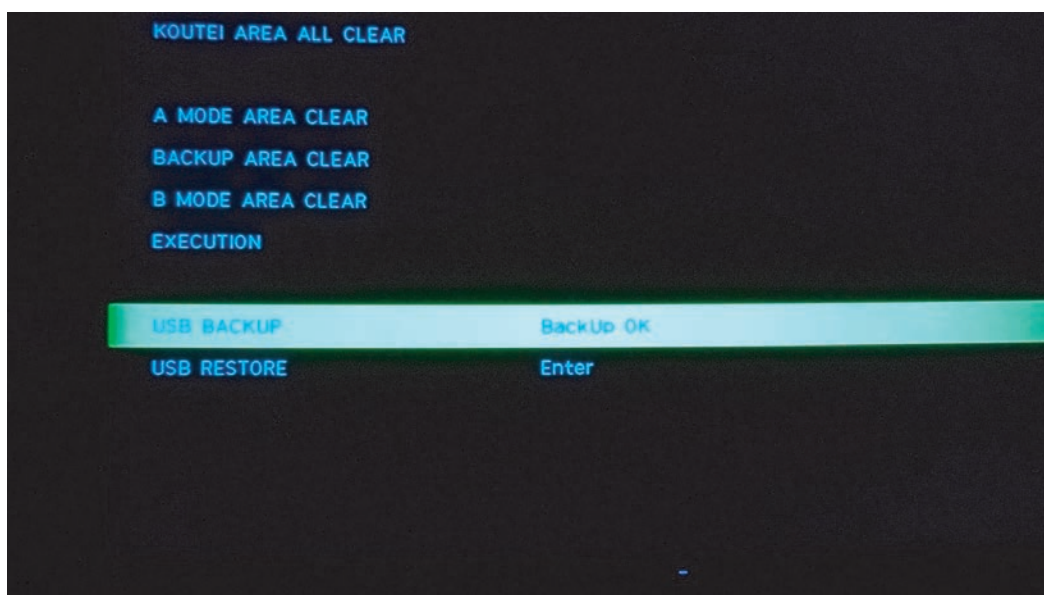
EQ/SQ/TQ series → page 26

UQ series → page 29



Insert the USB Memory into the service socket.

Press Enter ,return "BackUp OK"



Written AQUOS\_DATA.dat into USB Memory.

**After change Main Board**

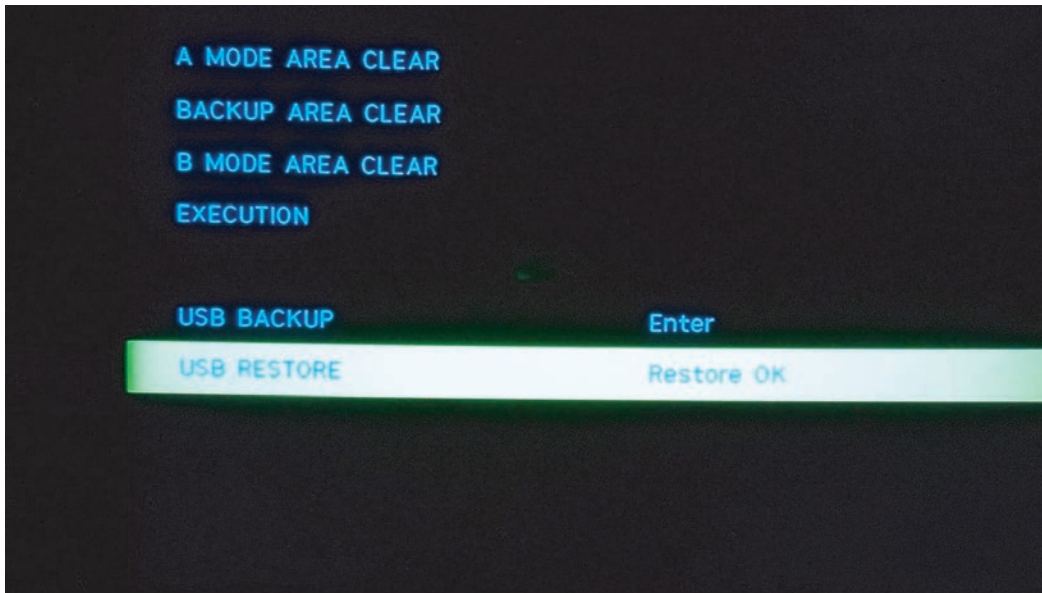
Entering the adjustment process mode Enter the adjustment process mode and go to page where it has "USB RESTORE".

(Same page as where "USB BACKUP" was.)

Insert the USB Memory written AQUOS\_DATA.dat into the service socket.

Press Enter

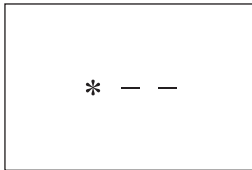
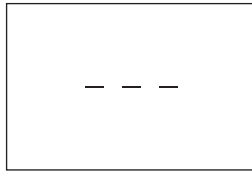
After about 7 second , return "Restore OK"



## [2] PUBLIC MODE SETTING PROCEDURE

### 1. How to start Public Mode

- There are the following two ways to get the public mode setup screen displayed.
- ① In the adjustment process mode, turn on "PUBLIC MODE". Also press the "CH ( ^ )" and "VOL (+)" keys on the set at once and turn on the power.
- ② 1) Press the "INPUT" and "VOL (+)" keys on the set at once and turn on the power.  
2) Get the password input screen displayed.



#### Procedure

- The input starts with the leftmost digit.
- Use the numeric keys [1] thru [9] and [0] keys on the remote controller. The other keys are not acceptable.
- With a numeric-key input, "-" will change to "\*". The input position will move one digit to the right.
- With all the 3 digits entered, the password will be verified.

- 3) The 3-digit password is now verified.

The password [0] [2] [7] provides for the public mode screen. (This screen comes on with whatever adjustment process settings.)

With any other passwords, the screen changes to the normal mode.

### 2. How to exit Public Mode

There are the following ways to quit the public mode setup screen.

- Turn off "PUBLIC MODE" in the adjustment process mode. ( ☆ ) ← This way alone is not for quitting the setup screen, but for quitting the mode itself.
- Turn off the power with the "POWER" key. ( ★ )
- Select "EXECUTE". ( ★ )
- ★ ... "PUBLIC MODE" stays on in the adjustment process mode.
- ☆ ... The settings will be back to the factory ones.

### 3. Public Mode Setting Values

- With the factory settings made, the public mode settings get initialized. (The adjustment process remains intact.)

#### 4. Public Mode Menu

The guidance is not displayed on screen.

Setup procedure

- To move the cursor up and down, use the "cursor UP/DOWN" key (remote controller) and "CH ( ^ )/( v )" key (remote controller and set).
- To change the settings, use the "cursor RIGHT/LEFT" key (remote controller) and "VOL (+)/(-)" key (remote controller and set).
- To save new settings, keep the cursor at "EXECUTE" and use "ENTER" key (remote controller and set).

|                    |             |
|--------------------|-------------|
| PUBLIC MODE        |             |
| POWER ON FIXED     | [VARIABLE ] |
| MAXIMUM VOLUME     | [ 60 ]      |
| VOLUME FIXED       | [VARIABLE ] |
| VOLUME FIXED LEVEL | [ 20 ]      |
| RC BUTTON          | [RESPOND ]  |
| PANEL BUTTON       | [RESPOND ]  |
| MENU BUTTON        | [RESPOND ]  |
| AV POSITION FIXED  | [VARIABLE ] |
| ON SCREEN DISPLAY  | [YES ]      |
| INPUT MODE START   | [NORMAL ]   |
| INPUT MODE FIXED   | [VARIABLE ] |
| LOUD SPEAKER       | [ON ]       |
| RC_PATH_THROUGH    | [OFF ]      |
| 232C POWON         | [DISABLE ]  |
| PUBLIC MODE        | [OFF ]      |
| RESET              |             |
| EXECUTE            |             |
| COPY MODE          |             |

## LC-60/70EQ10U,SQ10U/15U/17U,TQ15U,UQ17U

[How to use USB clone]

This is the function that copying the one TV's user setting to other TVs or copying previous user setting to itself.(Only same series.)

1. Insert the USB memory to TV.
2. Insert AC code of TV with pushing the "INPUT" and "Vol+" keys which are on the tact key.
3. Enter the password by using R/C. The password is "027".
4. Select "COPY MODE".
5. The follow guide is displayed. Then select the "TV→USB [Start]".



6. Follow guide is displayed when it is finished , then select "Reset" . TV will restart.

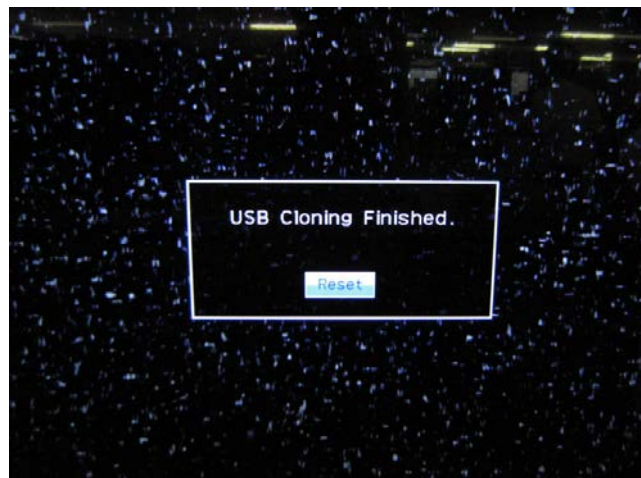


7. Insert the USB which has the data from TV to another TV or itself.
8. Insert AC code of the TV with pushing the "INPUT" and "Vol+" keys which are on the tact key.
9. Select "COPY MODE".

10. The following guide is displayed. Then select the "USB→TV [Start]".



11. Follow guide is displayed when it is finished , then select "Reset" . TV will restart.



12. Confirm the user setting is copied.

## 5. On Setting Items

\* "EZ-SETUP" discussed below indicates "EZ-SETUP" after the first power-on".

### 1) POWER ON FIXED

|                  |   |
|------------------|---|
| Selection        | Selection between "Variable" and "Fixed" (loop provided)  |
| Default          | – (Variable)  |
| Explanation      | In "Fixed" setting, the power-off by the power key of the unit is invalidated and the image is kept being received. The power can be turned off by stopping the power supply from AC. |
| Limit in Setting | Refer to the "Power-On Fixed" sheet.  |
| Exception        | None  |
| Remarks          | • In "Variable" setting, the power operation is in wait for 1 sec. and then turned off when the main power switch is off.   |

### 2) MAXIMUM VOLUME

|                  |   |
|------------------|---|
| Selection        | Adjustment from 0 to 60 (no loop)   |
| Default          | 60  |
| Explanation      | Sound volume can not be adjusted higher than the preset value.  |
| Limit in Setting | <ul style="list-style-type: none"> <li>• When the sound volume is set lower than 59, only figures are displayed and the sound volume bar is not displayed.</li> <li>• The maximum sound volume for ON-timer (Wake up timer) is limited also to the preset value.</li> </ul> |
| Exception        |   |
| Remarks          | • When the sound volume is set higher than the MAX setting by the adjusting process, the sound volume control operation is prohibited for turn-up and the sound volume should be turned down to MAX in this state.  |

### 3) VOLUME FIXED

|                  |   |
|------------------|---|
| Selection        | Selection between "Variable", "Fixed", "ACON (AC CTRL)" and "AC/RCON (AC/RC CTRL)" (loop provided)  |
| Default          | Variable  |
| Explanation      | <ul style="list-style-type: none"> <li>• FIXED: Fixed at the level adjusted for a fixed volume.</li> <li>• AC CTRL: Start-up at the level specified for a fixed volume at ACON.</li> <li>• AC/RC CTRL: Start-up at the level specified for a fixed volume at start.</li> </ul>  |
| Limit in Setting | <ul style="list-style-type: none"> <li>• The sound volume for the ON-timer (Wake up timer) is fixed also without display of menu. Besides, the setting is made impossible. (Basically, the menu is not displayed.)</li> <li>• The following keys become invalid: <ul style="list-style-type: none"> <li>• Sound volume Up/Down (VOL +/-) [for both remote control and the unit]</li> <li>• Mute (MUTE)</li> </ul> </li> </ul> |
| Exception        | • In the item "VOLUME" of adjustment process, the sound volume can be set freely irrespective of this setting.  |
| Remarks          | <ul style="list-style-type: none"> <li>• As for sound volume fixing and sound volume MAX level, the sound volume fixing has priority.</li> <li>• Once the sound volume has been changed by adjustment process, it should be set back to the sound volume preset by sound volume fixing level when the adjustment process ends.</li> </ul>   |

### 4) VOLUME FIXED LEVEL

|                  |  |
|------------------|--|
| Selection        | Adjustment from 1 to 60 (no loop)                                  |
| Default          | 20   |
| Explanation      | The sound volume to be fixed by "Volume fixed" is determined.      |
| Limit in Setting | None   |
| Exception        | None   |
| Remarks          | Setting is valid only when "Volume fixed" is selected for "fixed". |

### 5) RC BUTTON

|                  |  |
|------------------|--|
| Selection        | Selection between "Respond", "No Respond" and "Limited" (loop provided)  |
| Default          | Respond  |
| Explanation      | <p>Making the remote controller settings.</p> <ul style="list-style-type: none"> <li>• At the "No Respond" setting, the remote controller keys are disabled. Its power key (reception/standby key) is disabled too.</li> <li>• At the "Limited" setting, some channel-related keys alone are operative. All the other remote controller keys (power, volume ▲/▼, channel ▲/▼, light control (brightness sensor), broadcast select) are inoperative.</li> </ul> |
| Limit in Setting | ① In "No respond" setting, all the keys (including the power key) are not accepted.  |
| Exception        | <ul style="list-style-type: none"> <li>• Adjustment process, inspection process and hotel only keys are valid irrespective of setting.</li> <li>• All the keys can be used in adjustment process, inspection mode and hotel menu irrespective of setting.</li> </ul>   |
| Remarks          |  |

## 6) PANEL BUTTON

|                  |  |
|------------------|--|
| Selection        | Selection between "Respond" and "No respond" (loop provided)   |
| Default          | Respond  |
| Explanation      | All the operations by keys (except the power key) of the unit can be invalidated.  |
| Limit in Setting |  |
| Exception        | <ul style="list-style-type: none"> <li>• Adjustment process, inspection mode and hotel menu mode can be started irrespective of setting.</li> <li>• All the keys can be used in adjustment process, inspection mode and hotel menu irrespective of setting.</li> </ul> |
| Remarks          |  |

## 7) MENU BUTTON

|                  |  |
|------------------|--|
| Selection        | Selection between "Respond" and "No respond" (loop provided)   |
| Default          | Respond  |
| Explanation      | In "No respond" setting, the menu operation by the menu key of the remote control and the menu key of the unit are invalidated.  |
| Limit in Setting |  |
| Exception        | <ul style="list-style-type: none"> <li>• Adjustment process, inspection mode and hotel menu mode can be started irrespective of setting.</li> <li>• All the keys can be used in adjustment process, inspection mode and hotel menu irrespective of setting.</li> </ul> |
| Remarks          |  |

## 8) ON SCREEN DISPLAY

|                  |  |
|------------------|--|
| Selection        | Selection between "Yes", "No" (loop provided)  |
| Default          | Yes  |
| Explanation      | <ul style="list-style-type: none"> <li>• At the "No" setting, the following items are not displayed on screen: register, setting, adjustment menu, channel call and volume bar.<br/>On the wide-screen models, an input selection is immediately made because the menu is not displayed.</li> <li>• At the "Limited" setting, some items cannot be displayed on screen.<br/>On the Japan-destined models, the channel call "Message" alone cannot be displayed. (This is because the channel call message may be confused with a message being sent from the hotel.)<br/>On the North America-destined models, the OSD works the same as at the "No" setting.</li> </ul> |
| Limit in Setting | <ul style="list-style-type: none"> <li>• Keys falling under any of the following items become invalid. <ul style="list-style-type: none"> <li>① Appearance of screen changes and the sound changes.</li> <li>② Personal functions which are hard to restore.<br/>Screen display, menu, OFF-timer, ON-timer, AV MODE, screen size switching, clock setting, treble emphasis, AUDIO ONLY, sound changeover, LANGUAGE, CLOSED CAPTION</li> </ul> </li> </ul>  |
| Others           | <ul style="list-style-type: none"> <li>• Simple input switching is generated. Those which are restored soon after leaving as they are and may be requested for change by customer are not prohibited.<br/>Brightness sensor (BACKLIGHT) and PIC. FLIP</li> </ul>   |
| Exception        | <ul style="list-style-type: none"> <li>• Such a caution which is displayed independently is displayed as it is.<br/>Non-responding signal caution</li> </ul>   |
| Remarks          | <ul style="list-style-type: none"> <li>• When CC has already been ON, CLOSED CAPTION is displayed.</li> </ul>  |

## 9) INPUT MODE START

|                  |   |
|------------------|---|
| Selection        | Selection between "Normal", "Air (*)", "INPUT 1/2/3", "PC", "HDMI 1/2/3/4/5", "DVI" (loop provided)   |
| Default          | Normal  |
| Explanation      | In power-ON, the input source to be started or channel can be set.<br>(In standard mode, the operation follows the last memory.)  |
| About options    | <ul style="list-style-type: none"> <li>• All the input sources in the model are made selectable.</li> <li>• In TV mode, the channel to be set follows the last memory and the content of the last memory is included in the notation by options. Ex.) Air (2), Cable (98.1) etc.</li> </ul> |
| Limit in Setting | <ul style="list-style-type: none"> <li>• The display of channel setting menu and the channel setting operation are prohibited.</li> </ul>   |
| Exception        |   |
| Remarks          | <ul style="list-style-type: none"> <li>• In setting at "Normal", the setting of "Input mode fixed" is changed to "Variable" and selection should be prohibited.</li> </ul>  |

## LC-60/70EQ10U,SQ10U/15U/17U,TQ15U,UQ17U

### 10)INPUT MODE FIXED

|                  |   |
|------------------|---|
| Selection        | Selection between "Variable", "Fixed", "ACON (AC CTRL)" and "AC/RCON (AC/RC CTRL)" (loop provided)  |
| Default          | – (Variable)  |
| Explanation      | <ul style="list-style-type: none"> <li>• At the "Fixed" setting, the TV set gets started with the settings of "Input mode start", and then any other channels and inputs are not accepted.</li> <li>• At the "ACON (AC CTRL)" setting, the TV set gets started with the settings of "Input mode start" under AC control.</li> <li>• At the "AC/RCON (AC/RC CTRL)" setting, the TV set gets started with the settings of "Input mode start" under either control.</li> </ul>   |
| Limit in Setting | <ul style="list-style-type: none"> <li>• With the execution of hotel mode, the input source is forced to change to that set by "Input mode start" and the channel switching and input switching are prohibited thereafter.</li> <li>• ON-timer's (Wake-up timer) channel items are not displayed or the operation is prohibited. (Basically, they are not displayed.)</li> <li>• The following keys are invalidated.<br/>CH ▲ / ▼, direct tuning button, FLASHBACK, input</li> </ul> <p>*However, the keys (input switching and CH ▲ / ▼ keys) of the unit for menu operation remain valid.</p> |
| Exception        | None  |
| Remarks          | <ul style="list-style-type: none"> <li>• In the following case, setting is cancelled and mode is changed to "Variable".<br/>① When the setting of "Input mode start" is set to "Normal".</li> </ul>   |

### 11)RC\_PATH\_THROUGH

|                  |   |
|------------------|---|
| Selection        | Selection between "OFF", "ON: TV RCE" and "ON: TV RCD" (loop provided)                |
| Default          | OFF   |
| Explanation      | Function to feed the remote controller-received signal to Pin 9 (open) on the RS232C. |
| Limit in Setting | None  |
| Exception        | None  |
| Remarks          | None  |

### 12)AV POSITION FIXED

|                  |  |
|------------------|--|
| Selection        | Selection between "Variable" and "Fixed" (loop provided)   |
| Default          | Variable   |
| Explanation      | <p>In case of "Fixed" setting,</p> <ul style="list-style-type: none"> <li>– Menu "Picture" and "Audio" setting can't be changed like "Dynamic (Fixed)".</li> <li>– When "AV Mode" key is pressed, TV just displays current AV Mode (cannot be changed.).</li> </ul>  |
| Limit in Setting | None   |
| Exception        | None   |
| Remarks          | <ul style="list-style-type: none"> <li>• When receiving with AV Position key, OPC, Dolby key and other direct audio select keys, the current display stays on and no setting can be changed.</li> <li>• Even by initializing personal information, the hotel-mode settings are kept intact. In this way, the AV positions, video and audio adjustment settings are not initialized.</li> </ul> |

### 13)LOUD SPEAKER (ON/OFF)

|                  |   |
|------------------|---|
| Selection        | Selection between "ON" and "OFF" (loop provided)  |
| Default          | ON  |
| Explanation      | If "OFF" is selected, TV stops Speaker output even without Headphone connected.   |
| Limit in Setting | None  |
| Exception        | None  |
| Remarks          | <ul style="list-style-type: none"> <li>• Press the volume UP/DOWN key, and the mute icon appears for 4 seconds.</li> <li>• The mute key and audio-related keys are displayed with caution.</li> <li>• Usually, the headphones and monitor audio outputs can be adjustable.</li> </ul> |

### 14)232C POWON

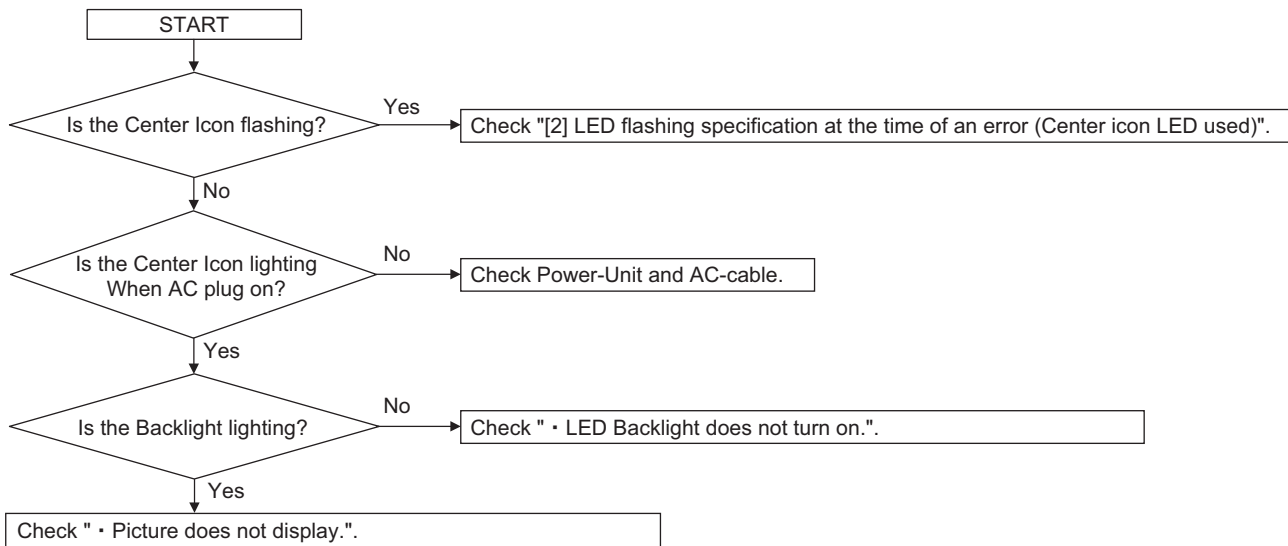
|                  |   |
|------------------|---|
| Selection        | Selection between "Disable" and "Enable" (loop provided)                      |
| Default          | Disable   |
| Explanation      | In the standby mode, the power-on by the 232C command is enabled or disabled. |
| Limit in Setting | None  |
| Exception        | None  |
| Remarks          | None  |

## 15)PUBLIC MODE (ON/OFF)

|                  |   |
|------------------|---|
| Selection        | Selection between "ON" and "OFF" (loop provided)                        |
| Default          | OFF   |
| Explanation      | In case of "ON", public mode settings are effected.                     |
| Limit in Setting | None  |
| Exception        | None  |
| Remarks          | The public-mode settings are operable only when this item is set at ON. |

## CHAPTER 6. TROUBLESHOOTING TABLE

### [1] Failure diagnosis by LED in front of cabinet



### [2] LED flashing specification at the time of an error (Center icon LED used)

#### 1. Display method

- Since only the center icon LED can be used, slow flashing and fast flashing are combined.
- After recovering from an error, if the same error cannot be generated again, refer to MONITOR ERR CAUSE on the adjustment process mode.

#### 2. LED flashing method

##### Error flashing

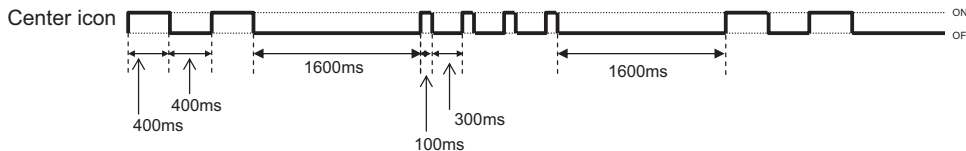


Table 1. Concrete flashing pattern

| Item  | Detail display  |                 | Cause  |
|---|-----------------|-----------------|--|
|   | Slow flashing   | Fast flashing   |  |
| Inverter/Lamp system failure                      | Flashes once    | Flashes once    | Lamp error                                     |
| Power PWB failure<br>(Power failure, etc.)        | Flashes twice   | Flash once      | Power supply error 2 (*2) AC_DET error         |
|   |                 | Flash twice     | Power supply error 2 (*2) UR+13V error         |
|   |                 | Flash 3 times   | Power supply error 2 (*2) D+3.3V error         |
|   |                 | Flash 5 times   | Panel power supply error                       |
| Main PWB failure<br>(Communication failure, etc.) | Flashes 3 times | Flashes once    | Initial communication error                    |
|   |                 | Flashes twice   | Start-up confirmation communication error      |
|   |                 | Flashes 3 times | Regular communication error                    |
|   |                 | Flashes 5 times | Other communication error                      |
| Others  | Flashes 4 times | Flashes once    | Temperature error                              |
|   |                 | Flashes 3 times | Notification from the main microprocessor (*3) |

\*2: They depend on the system. Power supply error is defined from product to product.

\*3: For details, refer to ERROR STANDBY CAUSE on the adjustment process mode.

### 3. New method

#### LED flashing timing chart at the time of an error



#### 1) Inverter/Lamp failure details (Flashes slowly once and flashes fast)

Note

| Error type                        | Center icon LED operation | Pins are monitor microcomputer pins unless otherwise specified.   |
|-----------------------------------|---------------------------|---|
| Lamp failure<br>Flashes fast once | H: On<br><br>L: Off       | ERR_PNL: failure(H). Inverter/Lamp error is detected. Note that after five detection counts, the lamp cannot be activated except in the adjustment process mode. Accumulated counts are cleared to 0 by the setting in the LAMP ERROR RESET on the adjustment process mode. |

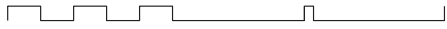



#### 2) Power failure details (Flashes slowly twice and flashes fast)

Note

| Error type   | Center icon LED operation | Pins are monitor microcomputer pins unless otherwise specified. |
|--|---------------------------|---|
| PS_ON<br>AC_DET failure<br>Flashes fast once           | H: On<br><br>L: Off       | AC_DET failure (L).   |
| SM_POW<br>Main 13V failure<br>Flashes fast twice       | H: On<br><br>L: Off       | DET_13V failure (L). Main 13V is not applied.                   |
| D_POW<br>Digital 3.3V failure<br>Flashes fast 3 times  | H: On<br><br>L: Off       | DET_D3V3 failure (L). Digital 3.3V is not applied.              |
| PANEL_POW<br>Panel 12V failure<br>Flashes fast 5 times | H: On<br><br>L: Off       | DET_PNL12V failure (L). Panel power is not applied.             |



## 3) Communication failure details (Flashes slowly 3 times and flashes fast)

Note

| Error type  | Center icon LED operation  | Basically, debug print logs are analyzed or communication logs are analyzed by a bus monitor.   |
|---|--|---|
| Initial communication reception failure<br>Flashes fast once  | H: On<br><br>L: Off | Initial communication from the main CPU is not received. (Request for the monitor model No. is not received.)<br>→ Communication line failure or main CPU start-up failure  |
| Start-up confirmation reception failure<br>Flashes fast twice | H: On<br><br>L: Off | Start-up reason confirmation from the main CPU cannot be received. (Start-up communication until start-up reason notification command is not received.)<br>→ Main CPU start-up failure or monitor microcomputer reception failure |
| Regular communication failure<br>Flashes fast 3 times         | H: On<br><br>L: Off | Regular communication that is performed at 1 second intervals in the normal operation is interrupted.<br>→ Main CPU operation failure or monitor microcomputer reception failure  |
| Other communication failure<br>Flashes fast 5 times           | H: On<br><br>L: Off | When a request (PM_REQ=H) is sent from the main microcomputer, the request command is not output from the main CPU, etc.<br>→ Main CPU operation failure or monitor microcomputer reception failure                               |

## 4) Other failure details (Flashes slowly 4 times and flashes fast)

Note

| Error type                                       | Center icon LED operation  | Pins are monitor microcomputer pins unless otherwise specified.   |
|--|--|---|
| Monitor temperature failure<br>Flashes fast once | H: On<br><br>L: Off   | If the panel temperature is 60°C or more for 15 seconds or more in a row, CAUTION appears on the OSD (flashes in red in the lower right screen).<br>If the panel temperature is 60°C or more for 25 seconds or more in a row, error standby is activated. |
| Main failure<br>Flashes fast 3 times             | H: On<br><br>L: Off | Main microcomputer detection error (CPU temperature error, etc.)<br>The details are displayed on page 1 of the adjustment process mode.   |

**[3] TROUBLESHOOTING TABLE (LC-60/70EQ10U)**

**• LED Backlight does not turn on.**

**If it is not an error of power supply/LED driver,  
It is start-up in the lamp error disregard mode.**

↓  
Do you start?

↓ YES

When main unit is replaced, does it start normally?

↓ YES

Replace main unit.

↓ NO

When LCD control unit is replaced, does it start normally?

↓ YES

Replace LCD control unit.

↓ NO

When the parts in the panel can be replaced. →Replace all LED-bars in the panel module.  
When the parts in the panel cannot be replaced. →Replace panel module.

**If it is not an error of power supply/LED driver,  
It is start-up in the lamp error disregard mode.**

↓  
Do you start?

↓ NO

When power supply unit is replaced, does it start normally?

↓ YES

Replace power supply unit.

↓ NO

When main unit is replaced, does it start normally?

↓ YES

Replace main unit.

↓ NO

When LCD control unit is replaced, does it start normally?

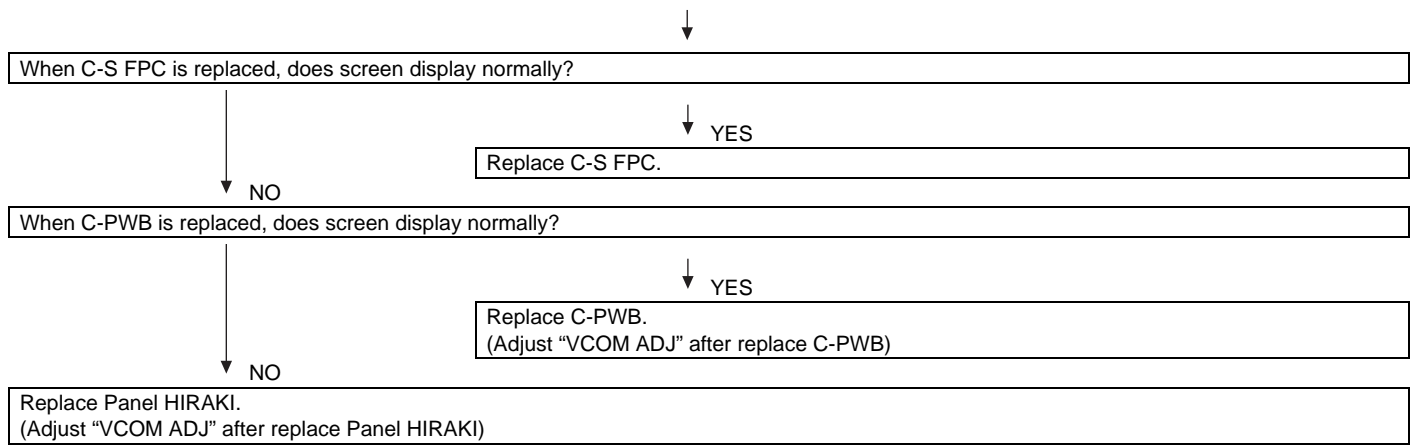
↓ YES

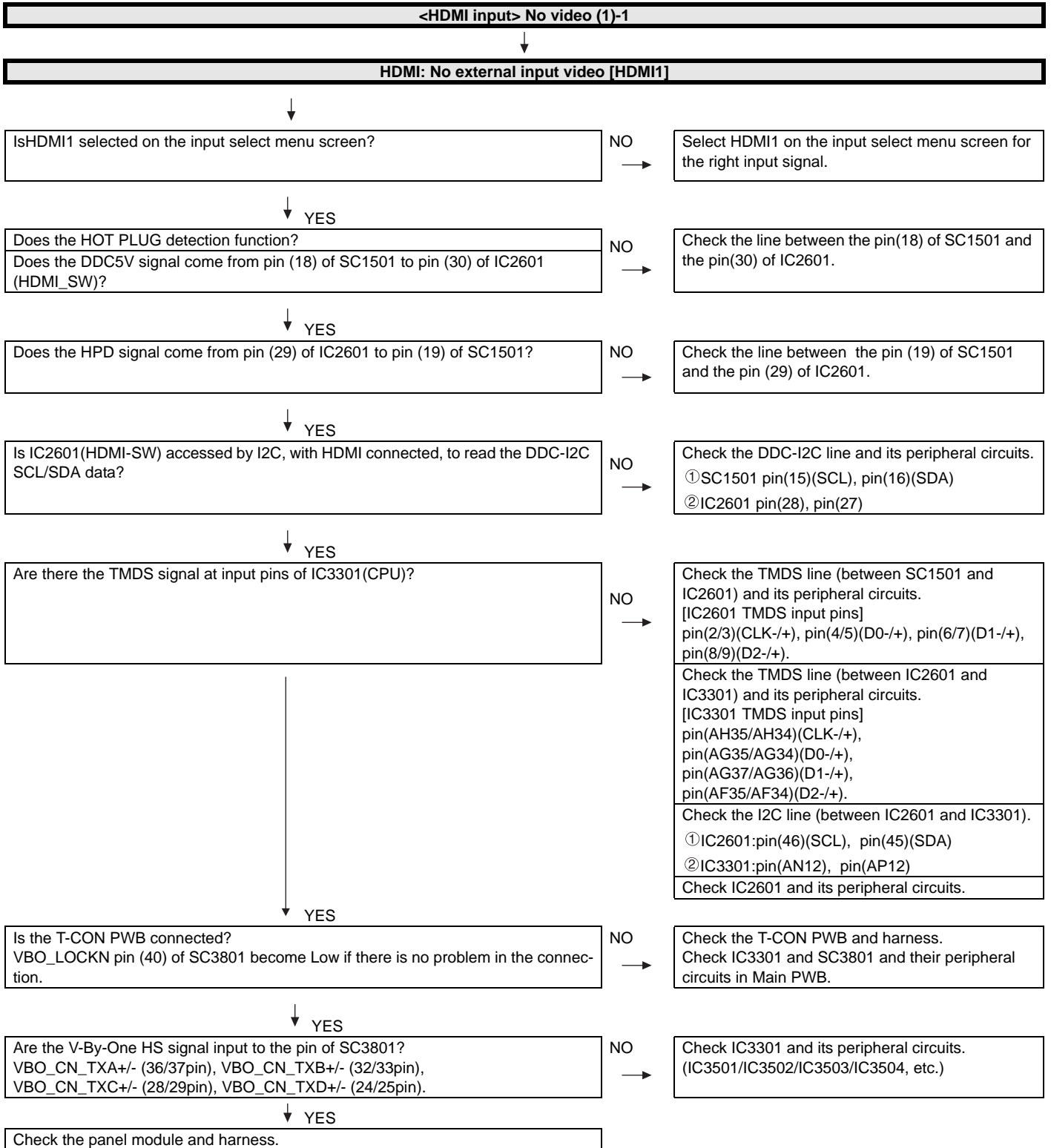
Replace LCD control unit.

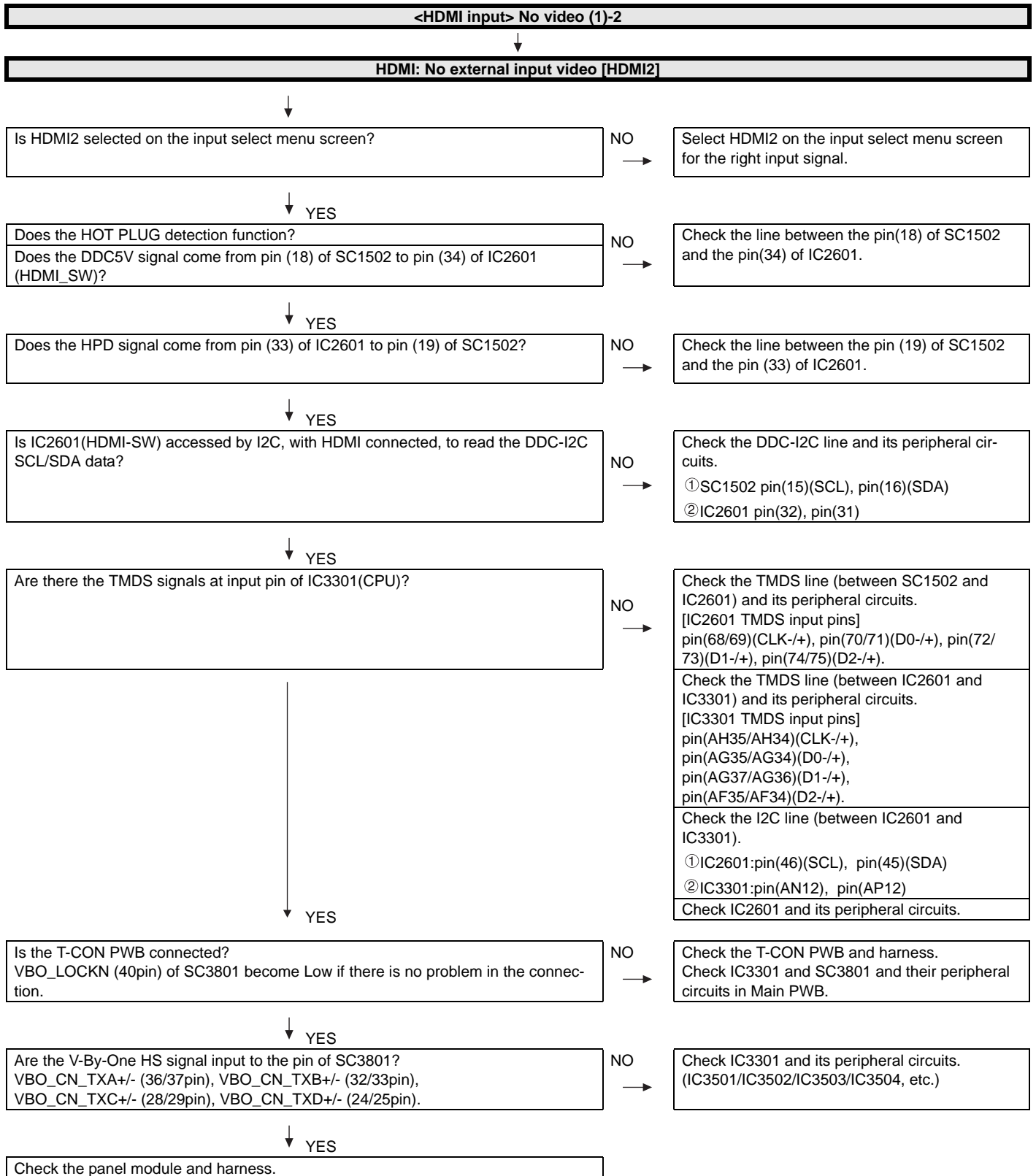
↓ NO

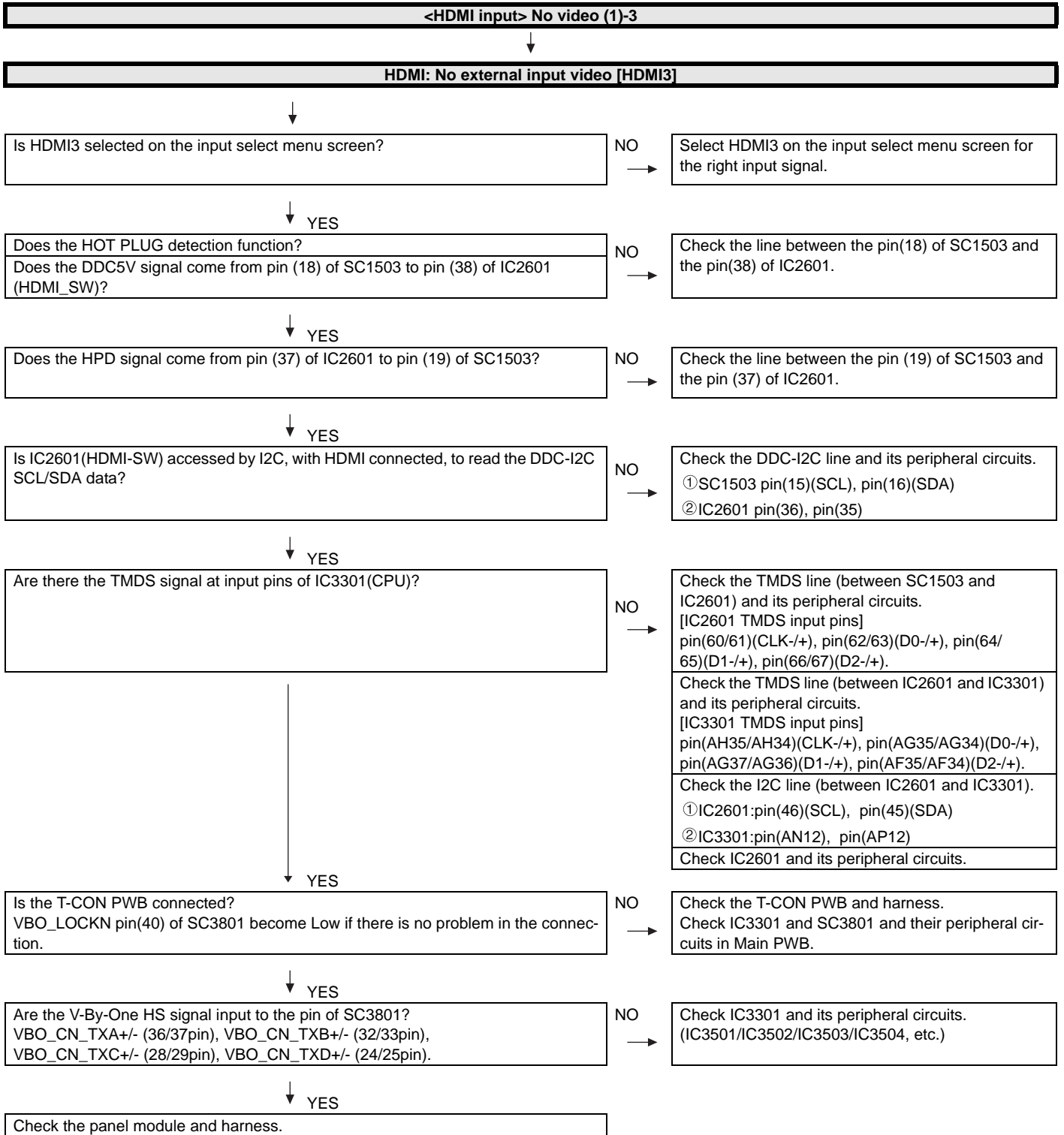
When the parts in the panel can be replaced. →Replace all LED-bars in the panel module.  
When the parts in the panel cannot be replaced. →Replace panel module.

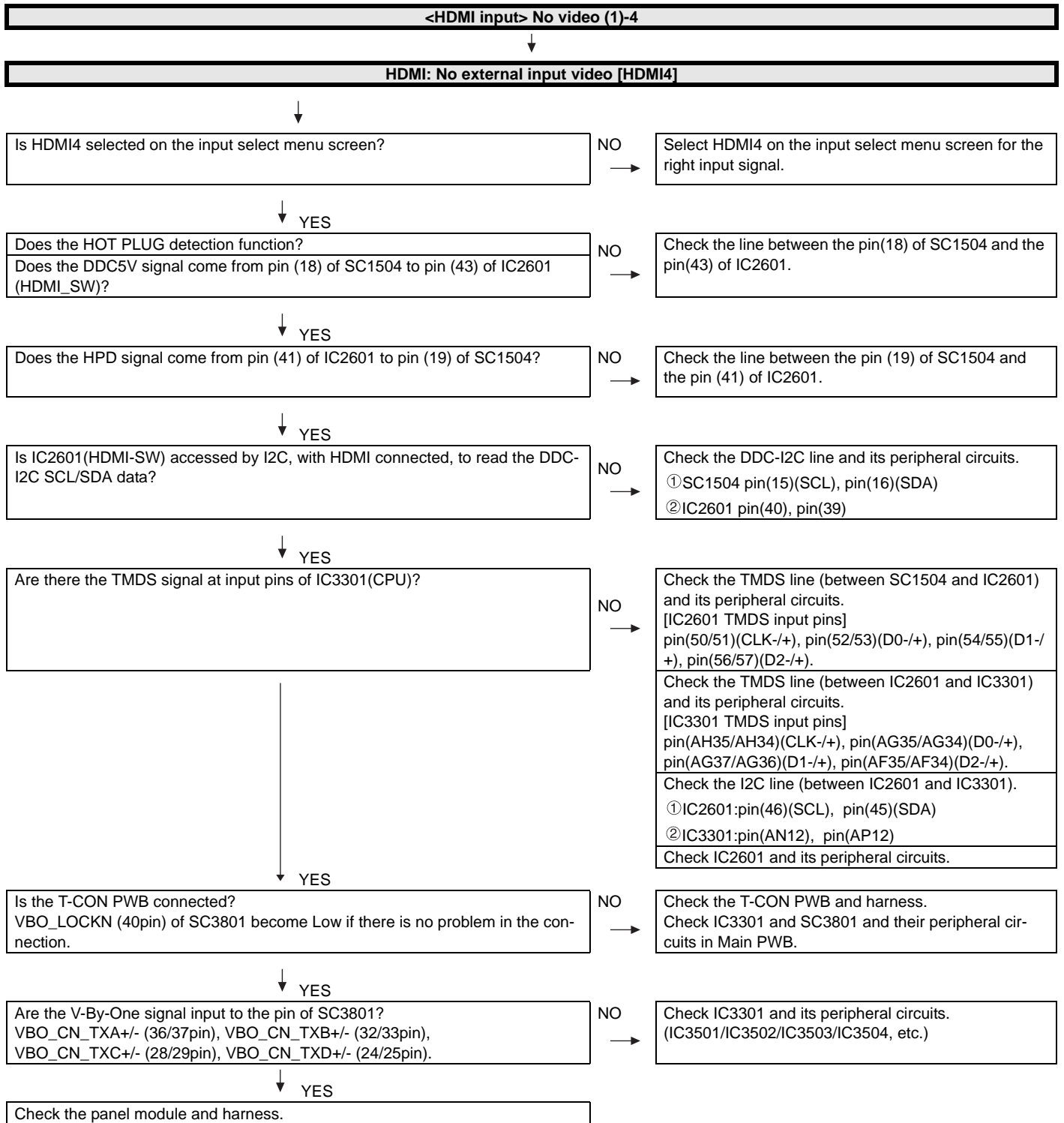
**Trouble Shooting Panel Module**

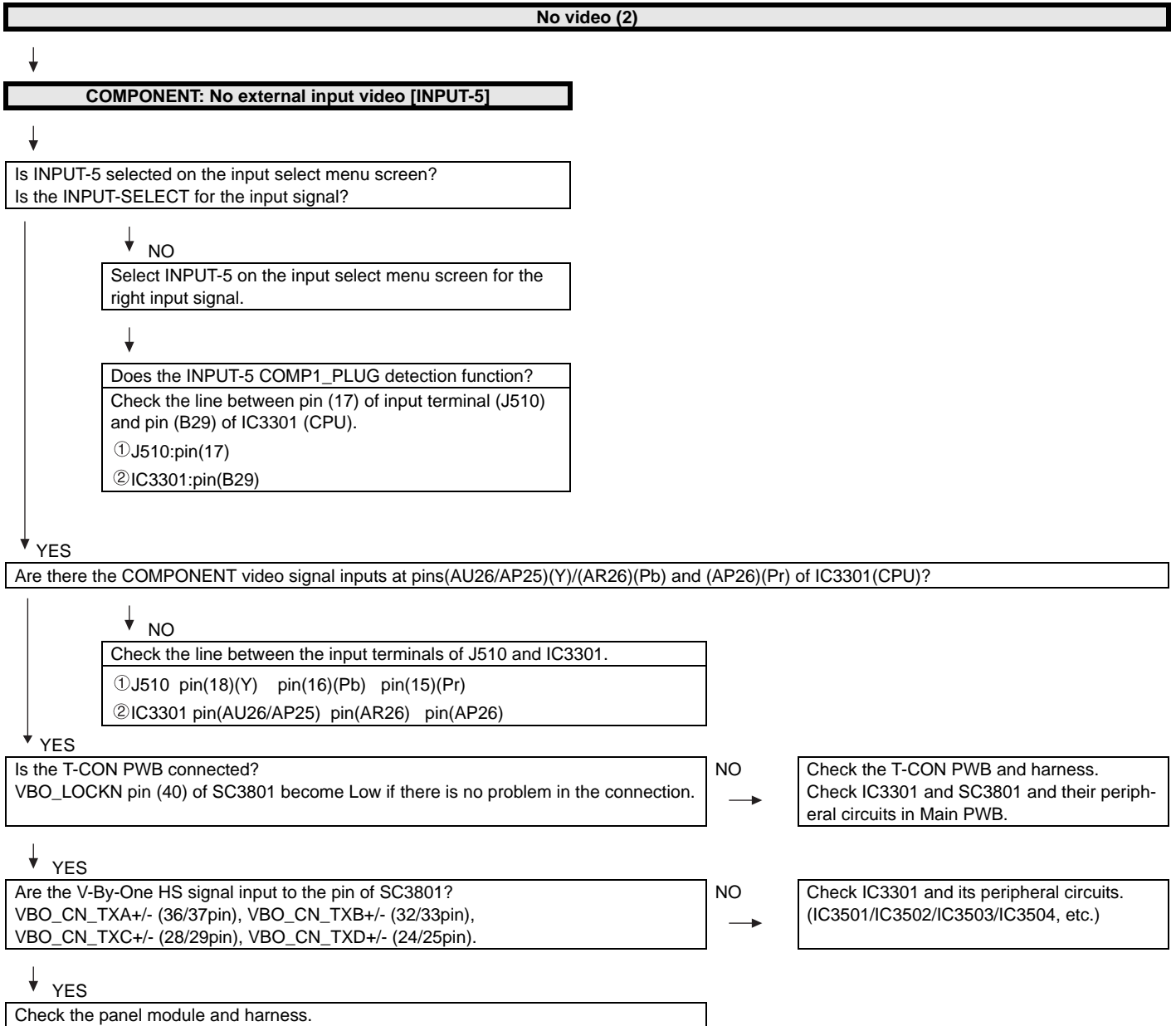


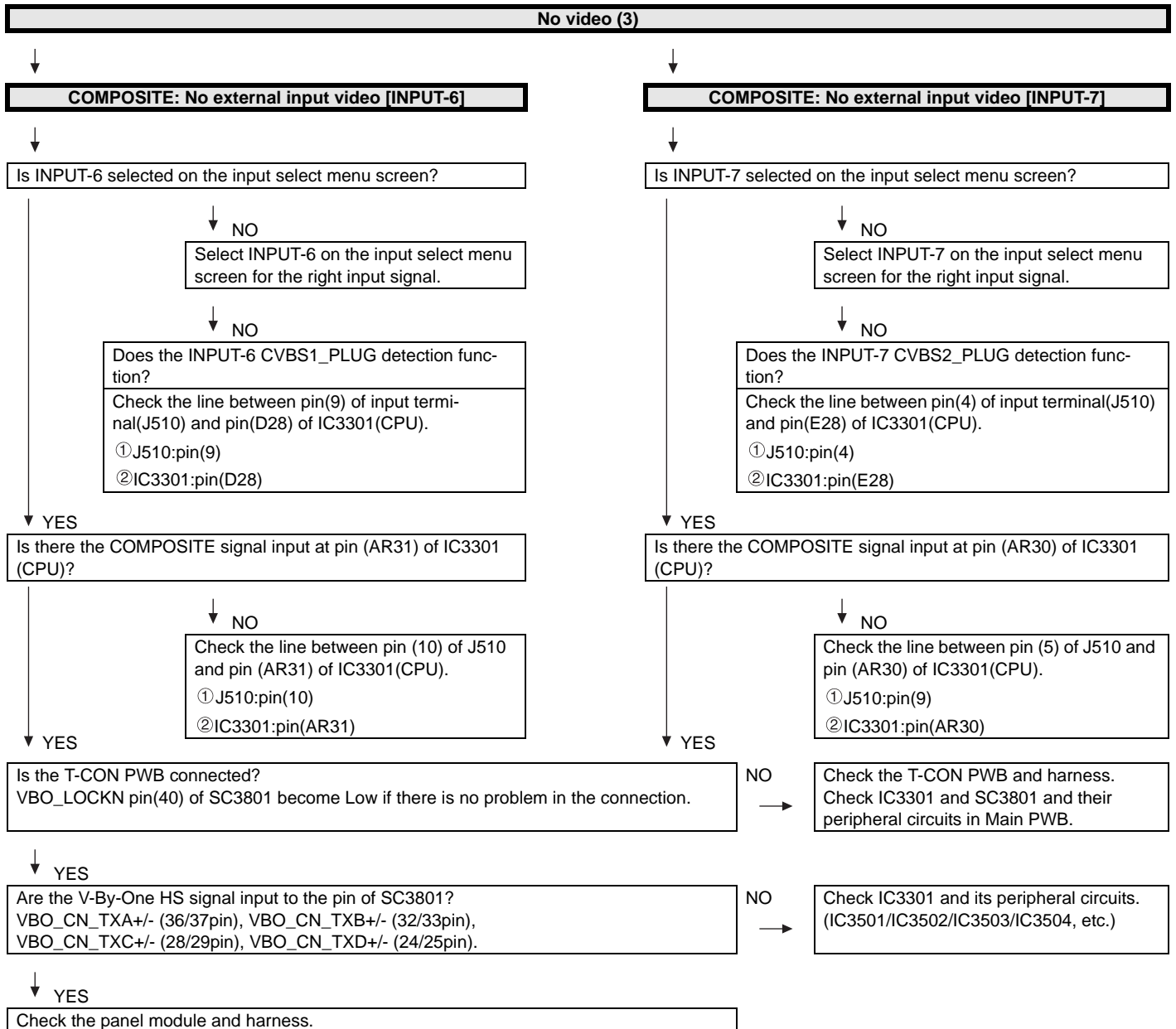


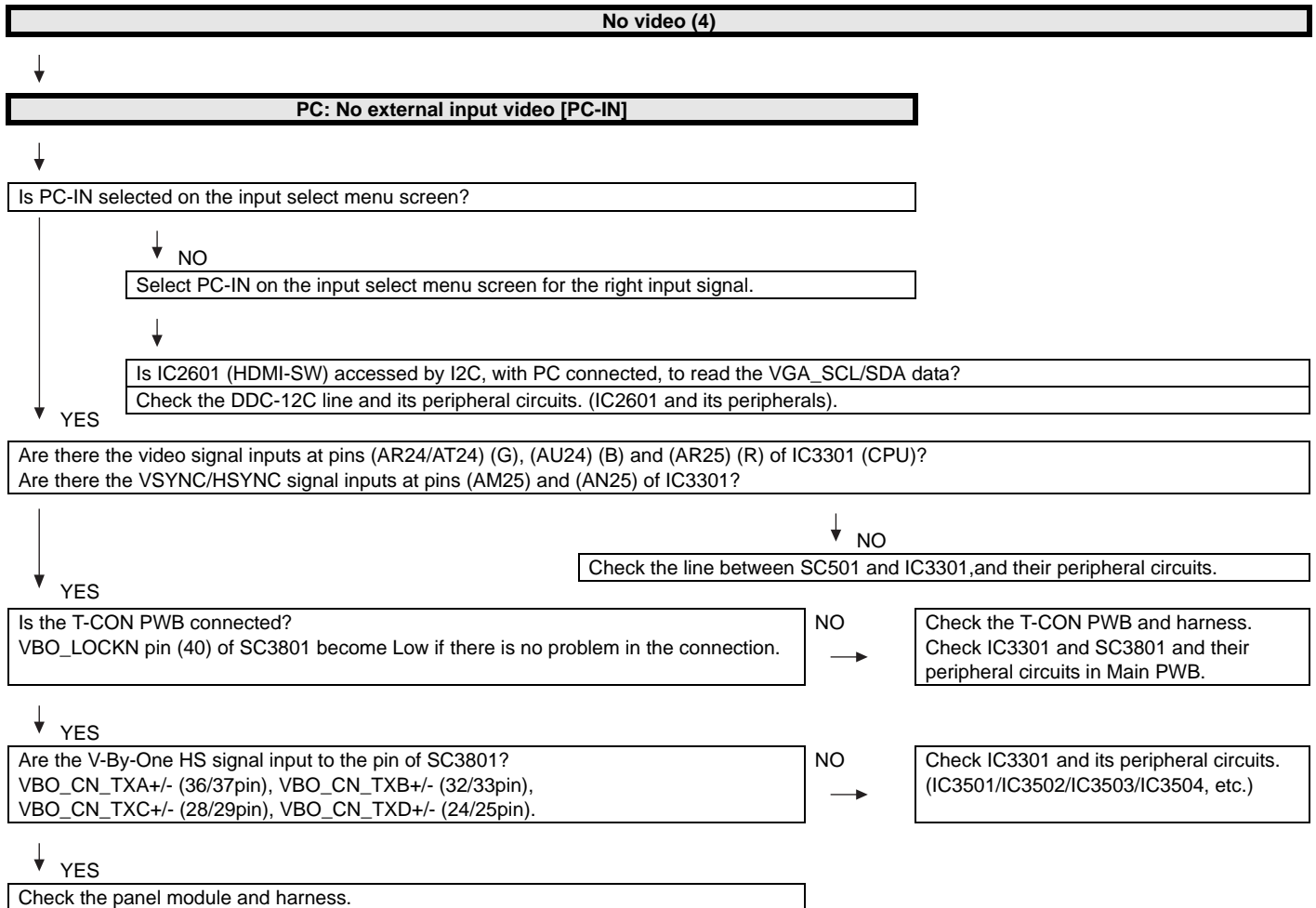


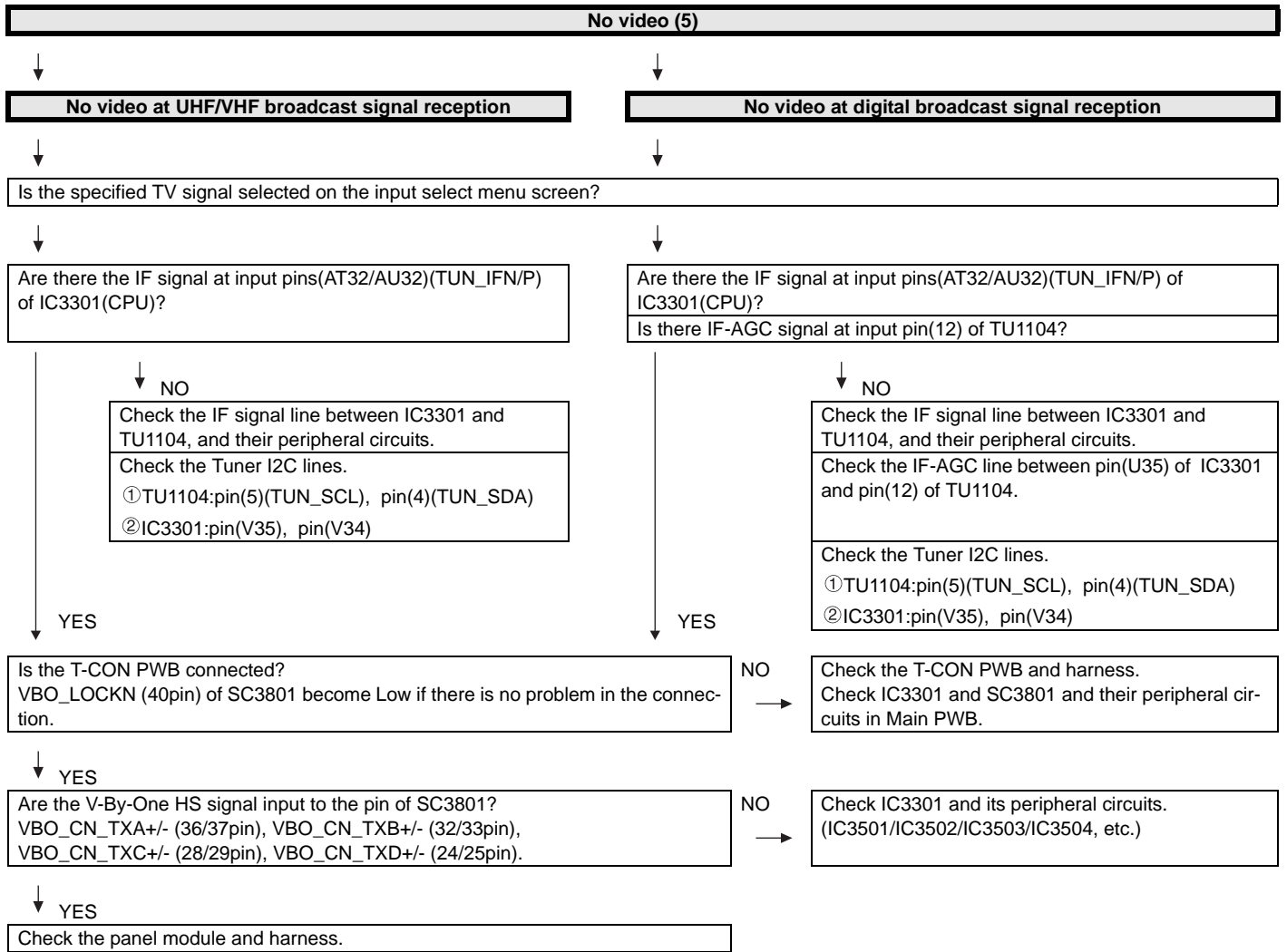






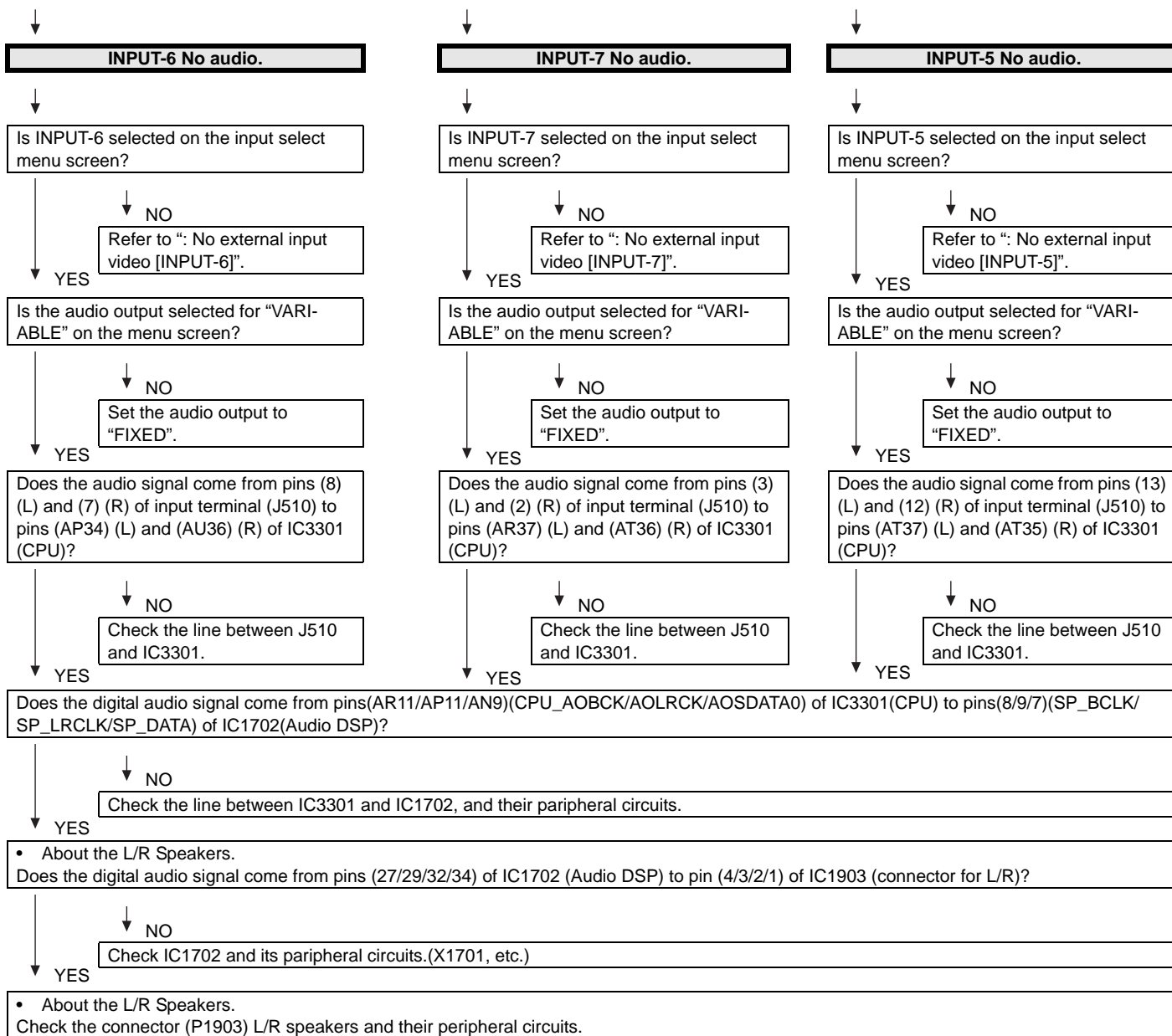


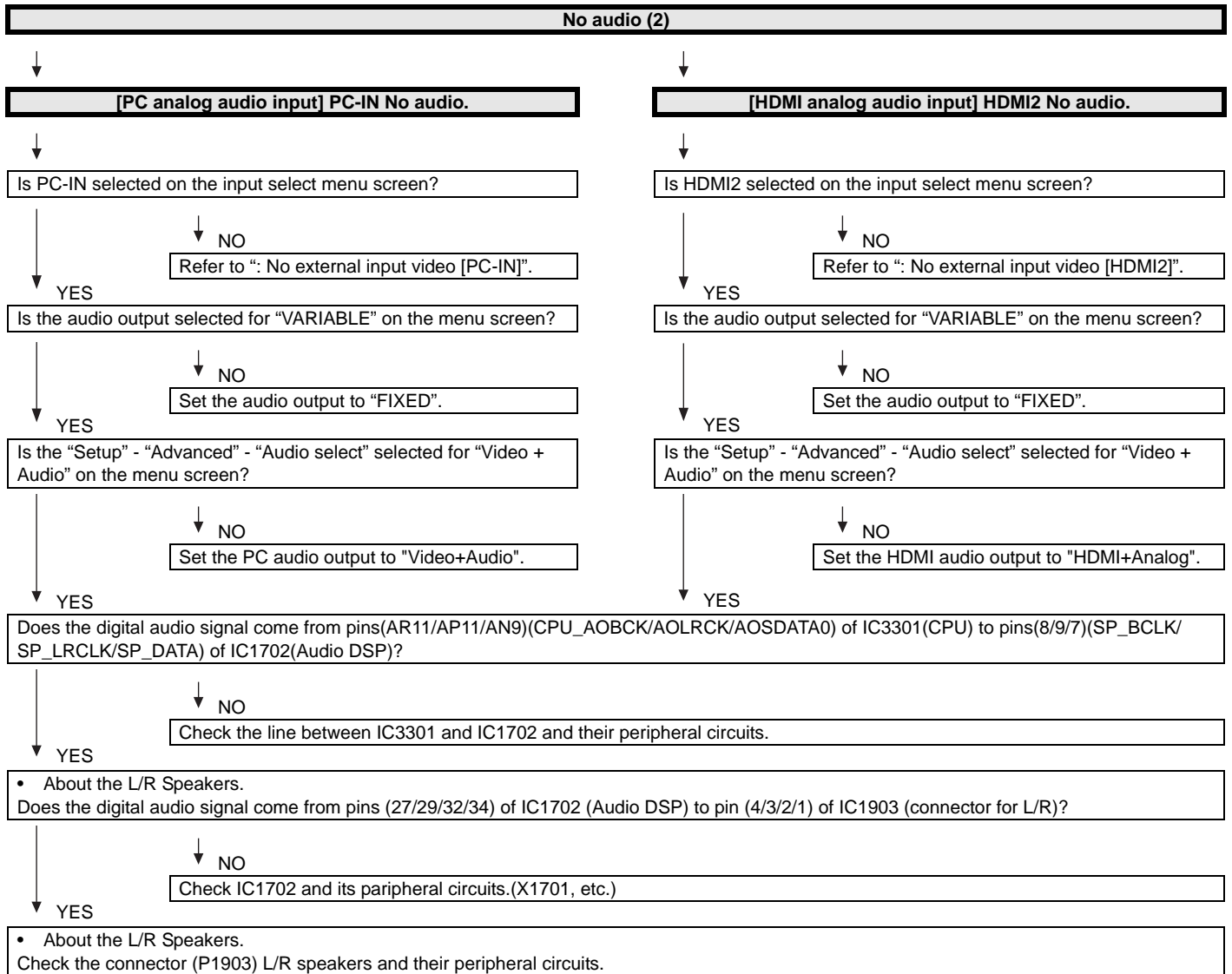


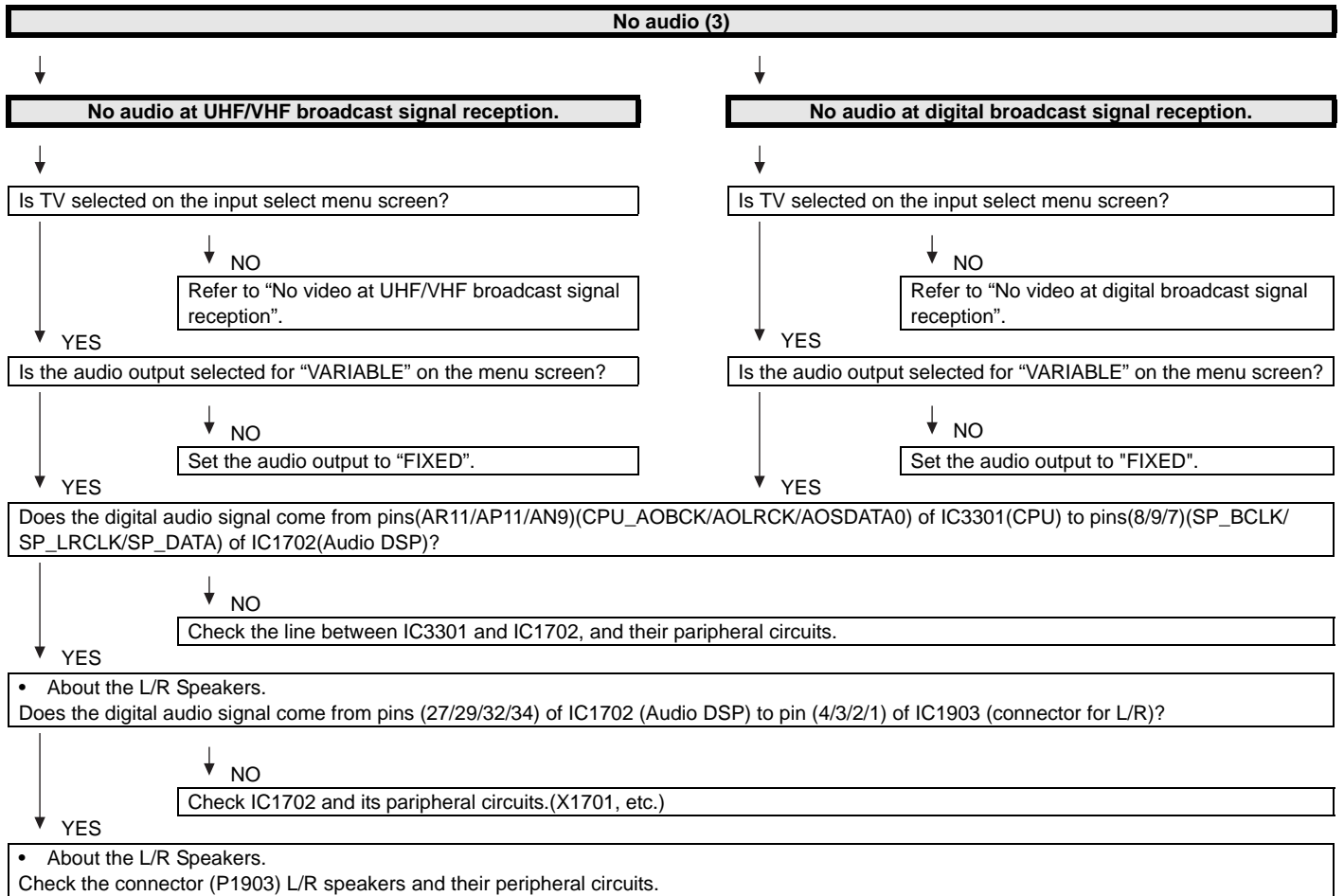


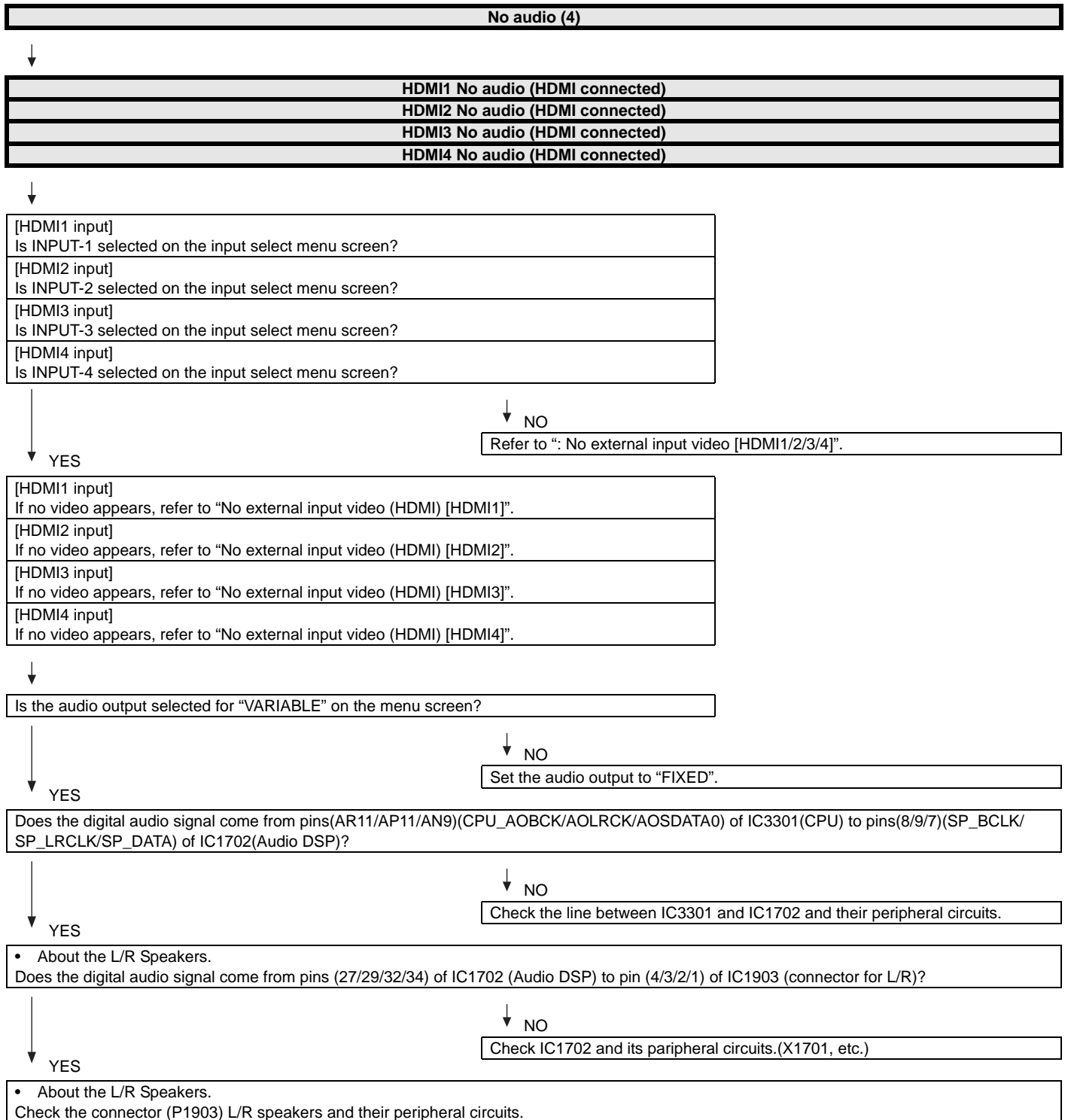
**• Does not sound.**

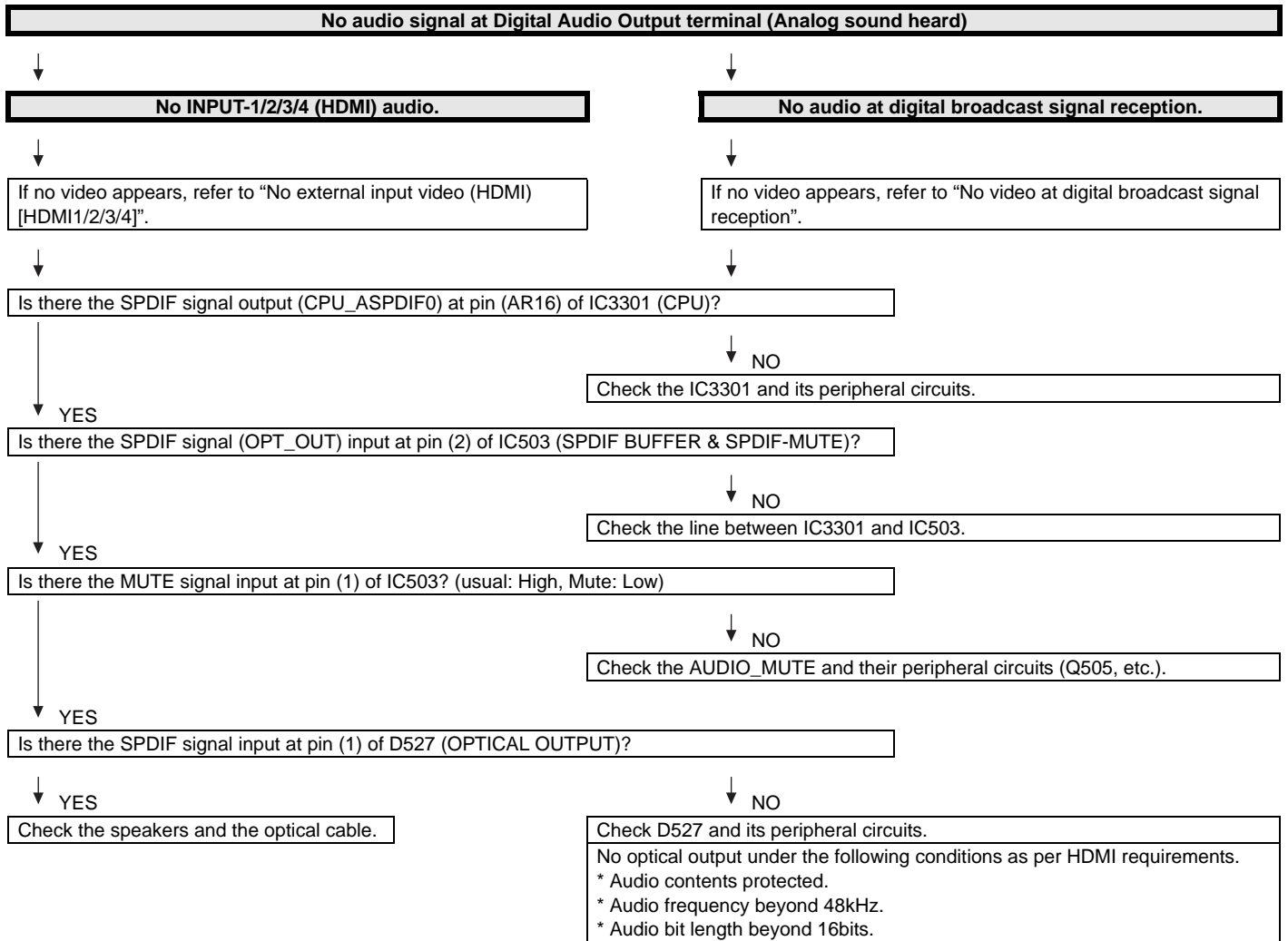
**No audio (1)**



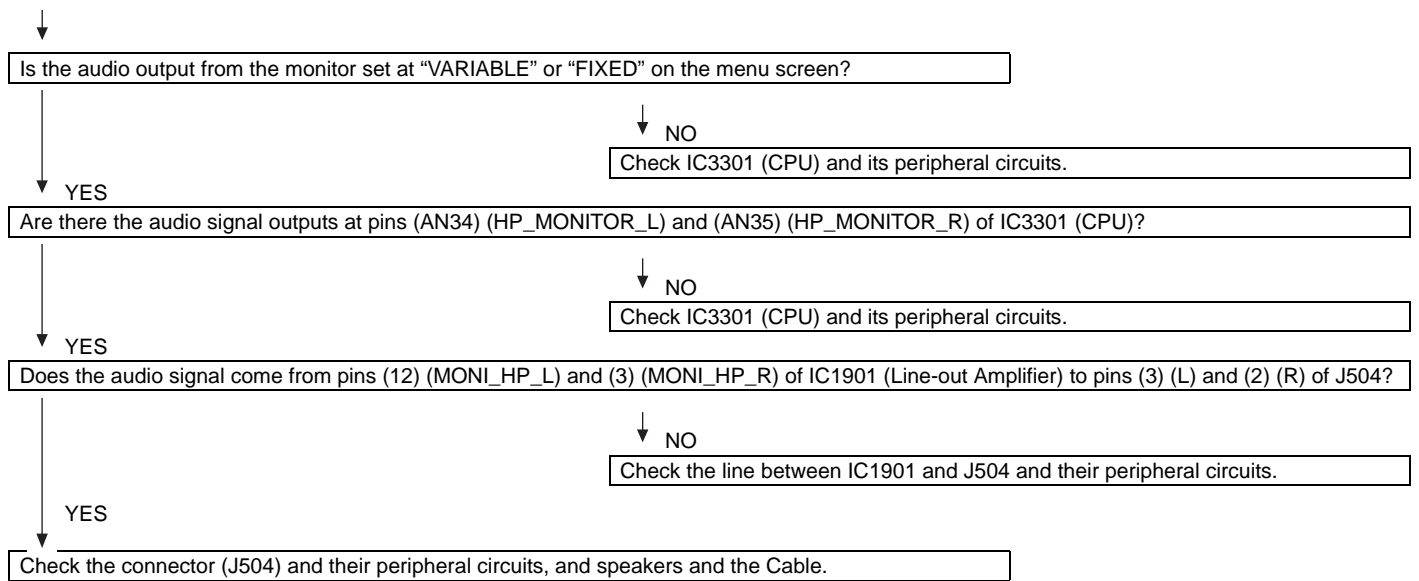








**No monitor audio output**



**No connect network**

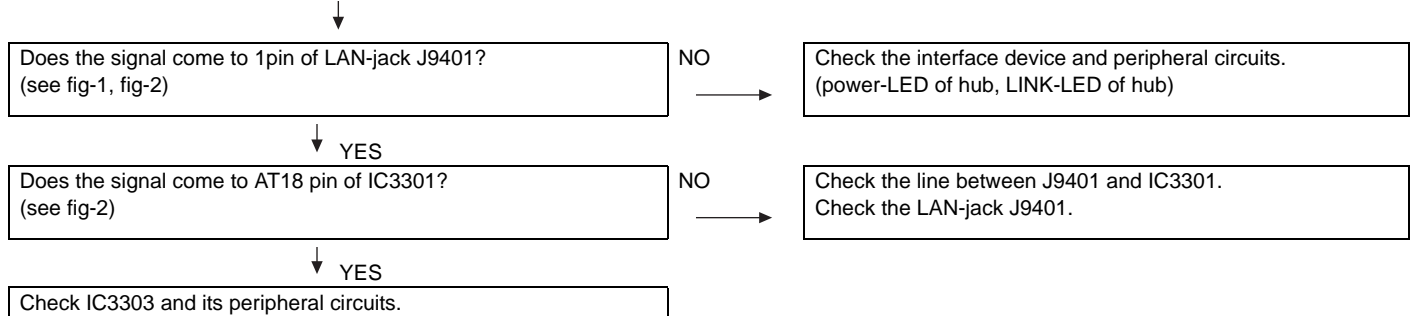


fig-1 LAN-jack J9401

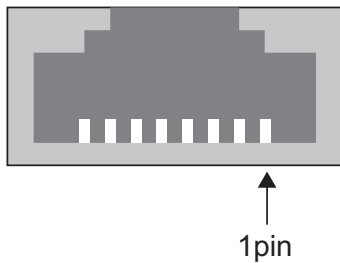
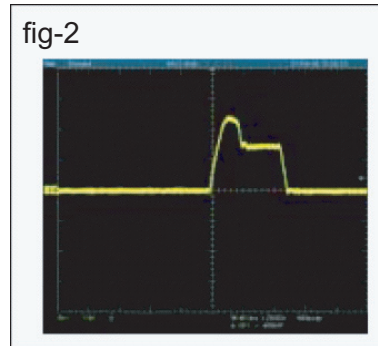


fig-2



**[4] TROUBLESHOOTING TABLE (LC-60/70SQ10U/15U/17U,TQ15U,UQ17U)**

**• LED Backlight does not turn on.**

**If it is not an error of power supply/LED driver,  
It is start-up in the lamp error disregard mode.**

Do you start?

YES

When main unit is replaced, does it start normally?

YES

Replace main unit.

NO

When LCD control unit is replaced, does it start normally?

YES

Replace LCD control unit.

NO

When the parts in the panel can be replaced. →Replace all LED-bars in the panel module.  
When the parts in the panel cannot be replaced. →Replace panel module.

**If it is not an error of power supply/LED driver,  
It is start-up in the lamp error disregard mode.**

Do you start?

NO

When power supply unit is replaced, does it start normally?

YES

Replace power supply unit.

NO

When main unit is replaced, does it start normally?

YES

Replace main unit.

NO

When LCD control unit is replaced, does it start normally?

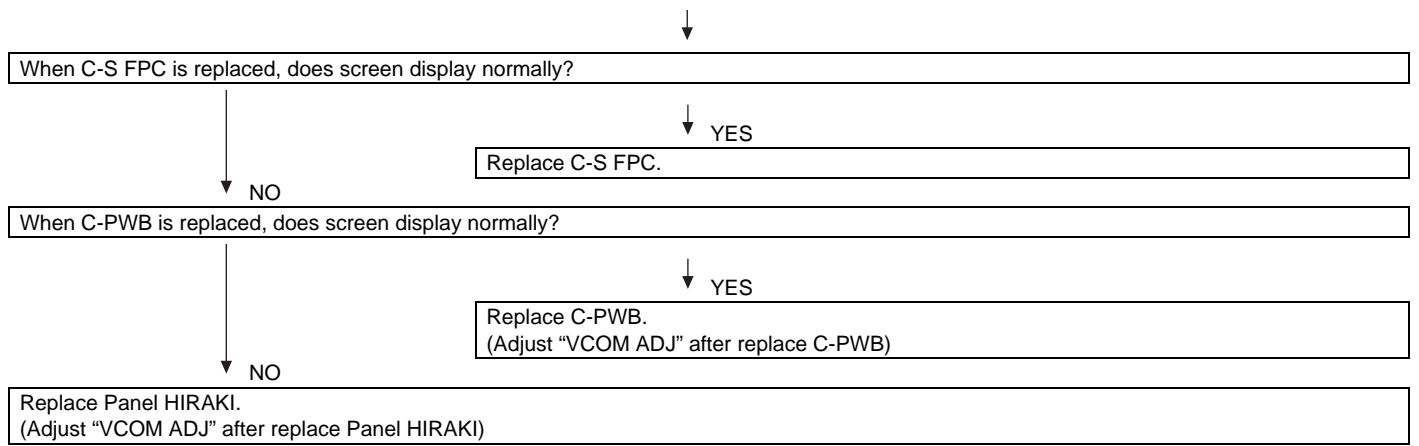
YES

Replace LCD control unit.

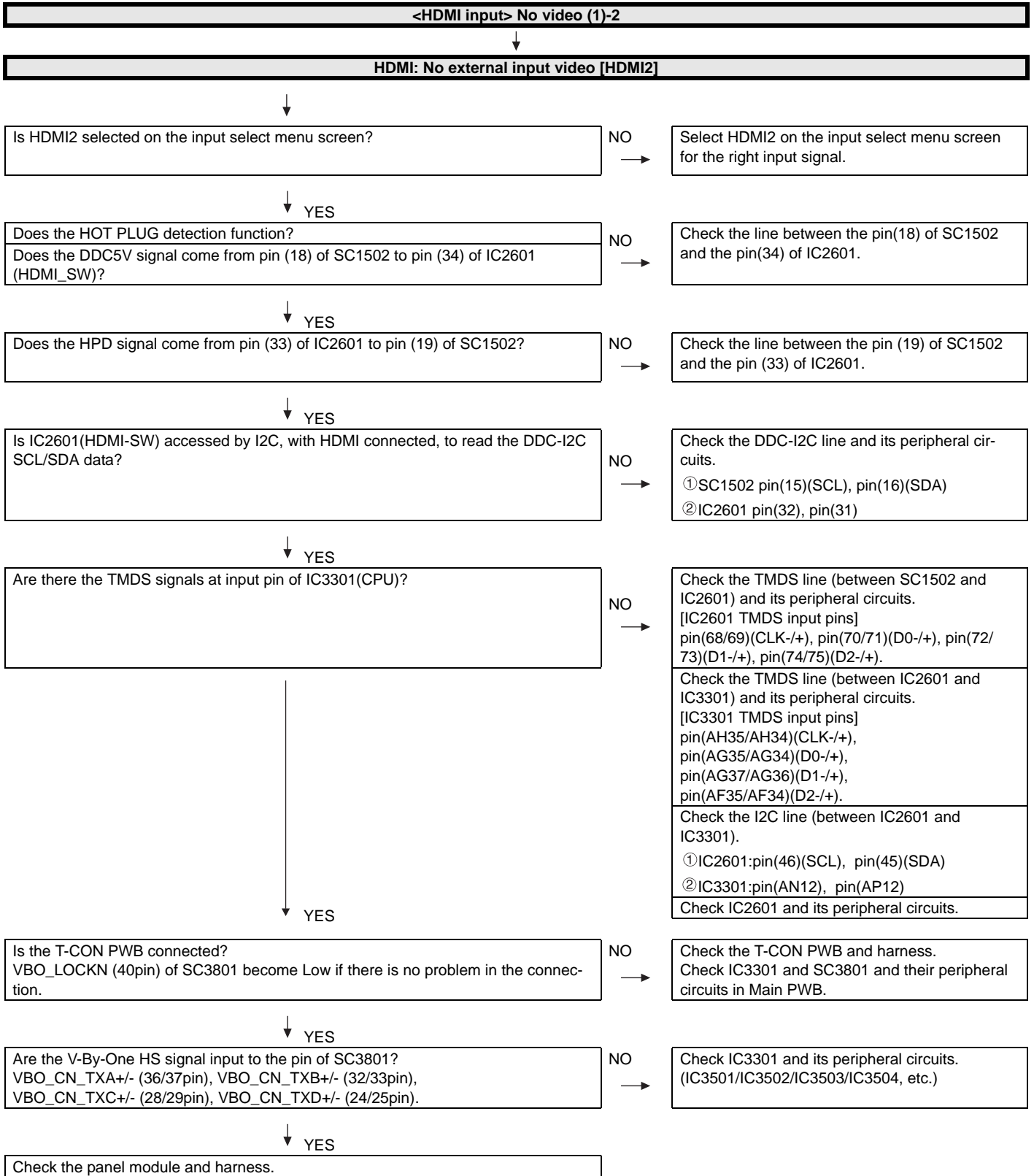
NO

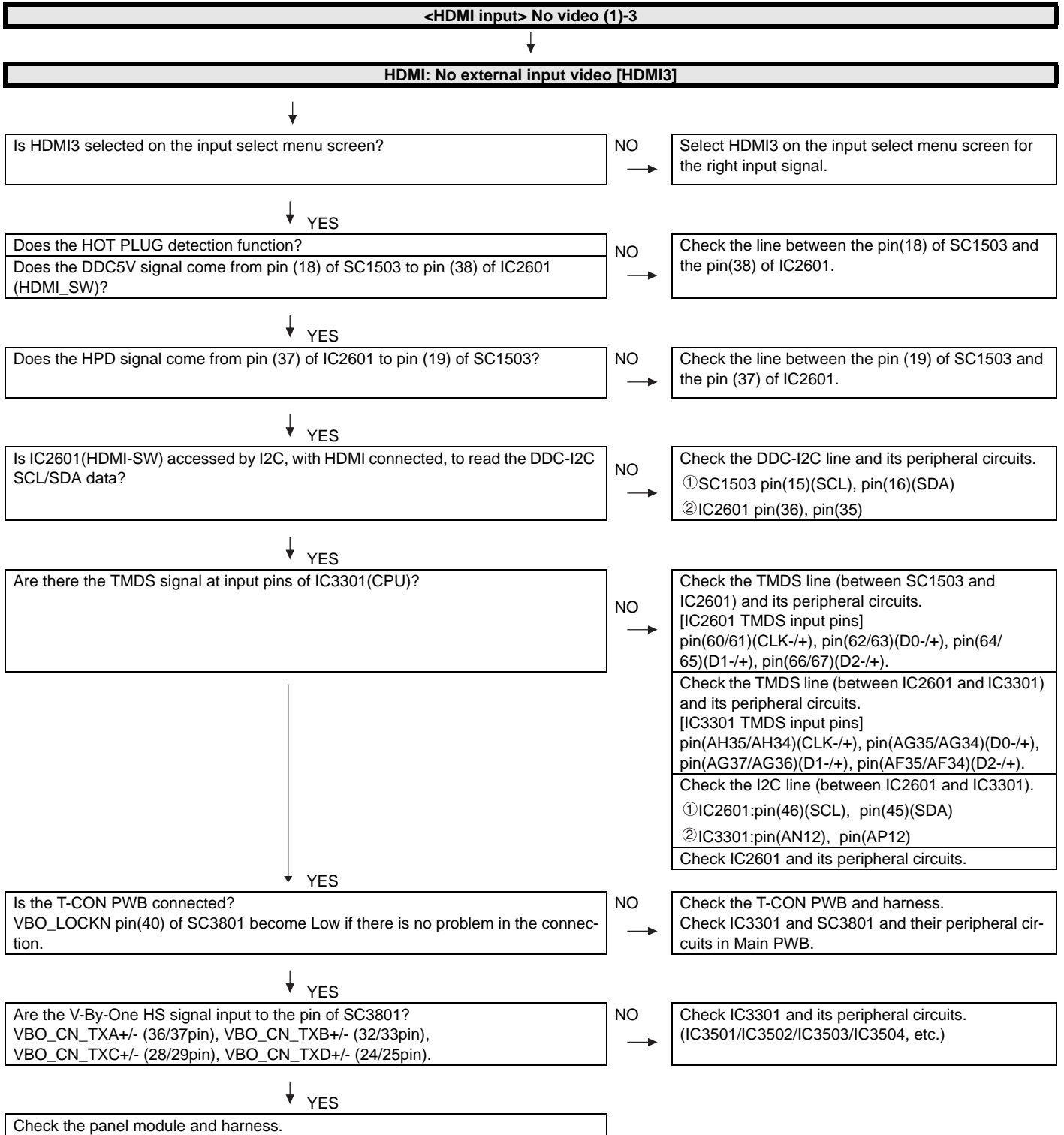
When the parts in the panel can be replaced. →Replace all LED-bars in the panel module.  
When the parts in the panel cannot be replaced. →Replace panel module.

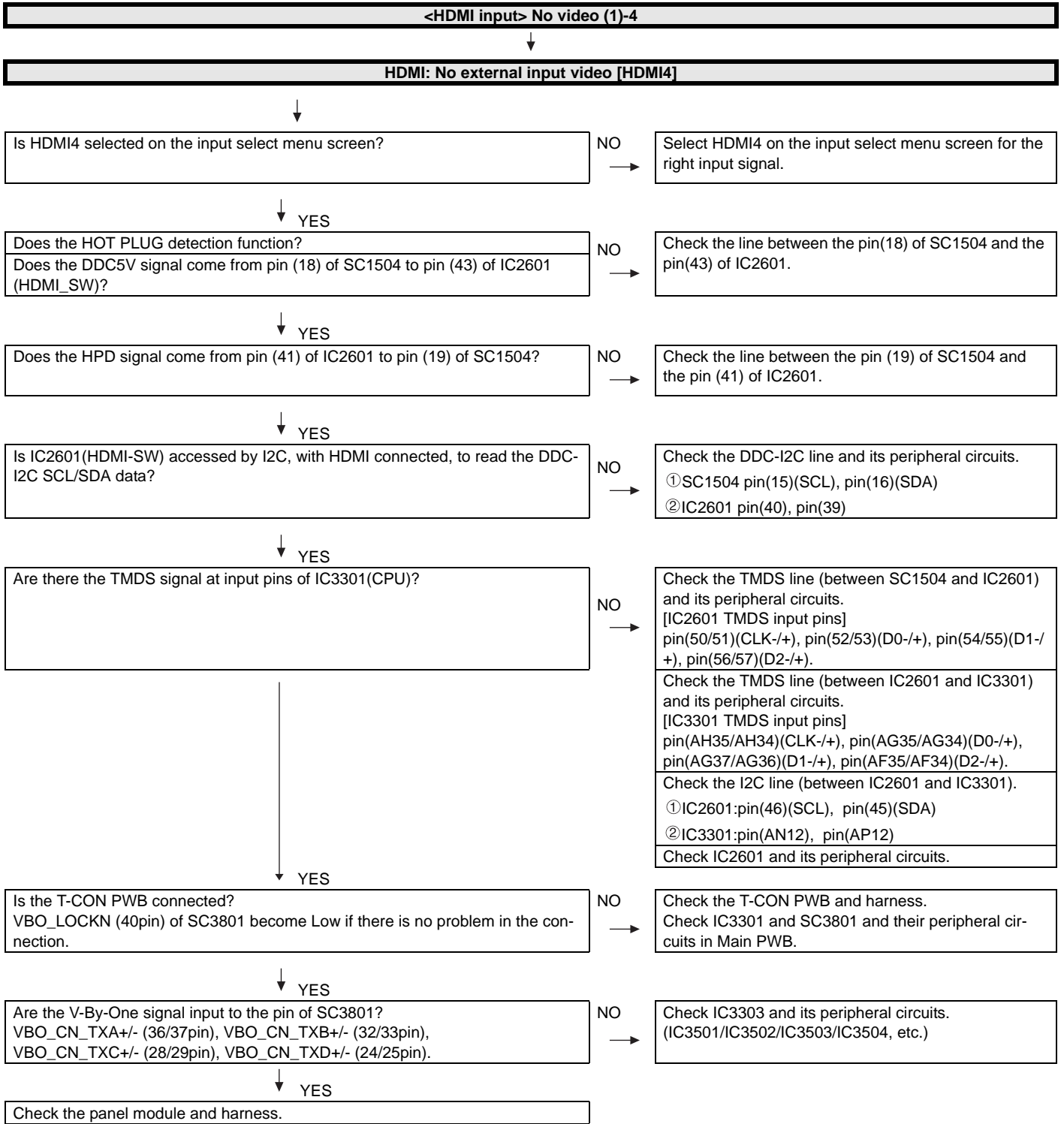
**Trouble Shooting Panel Module**

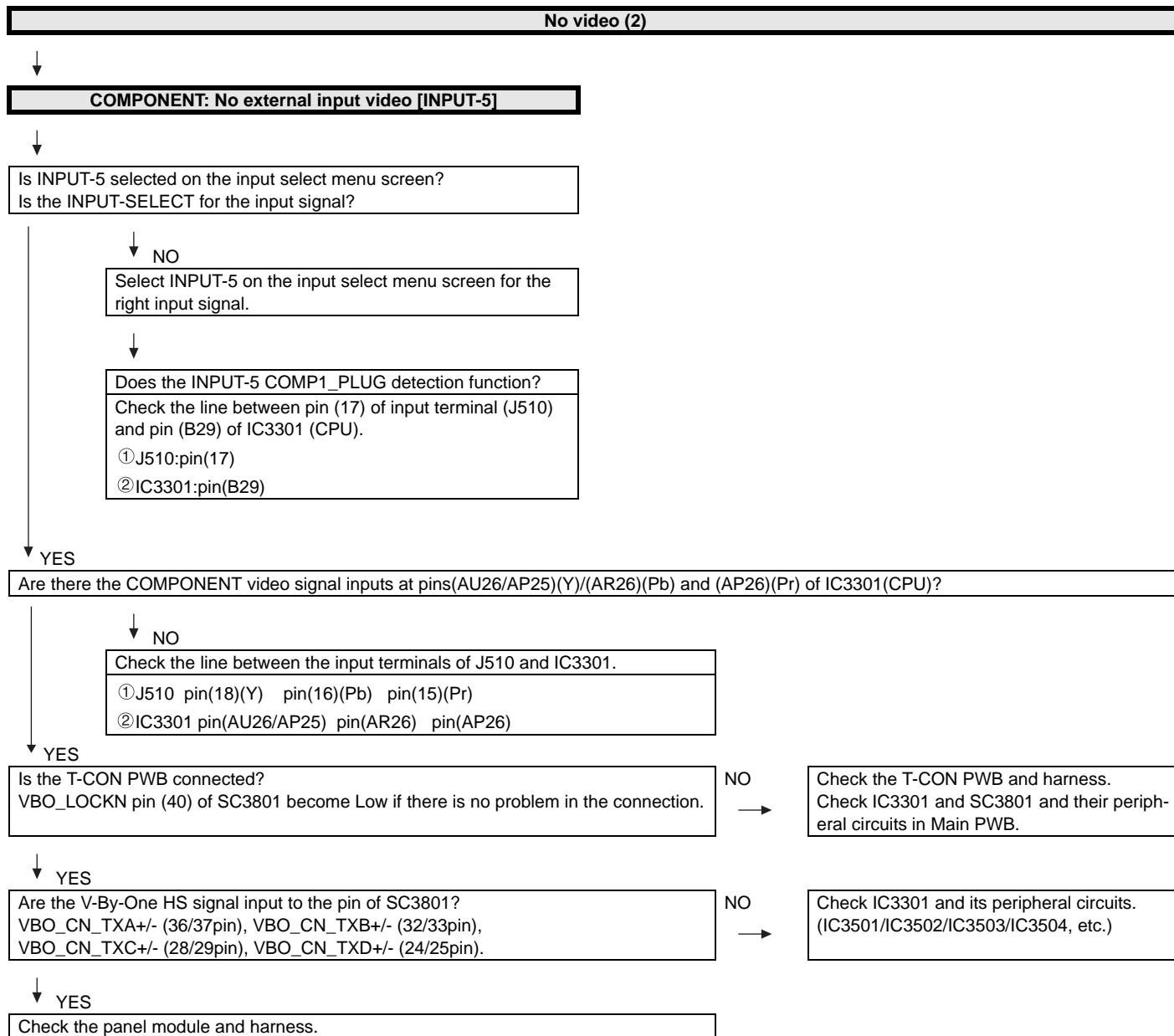


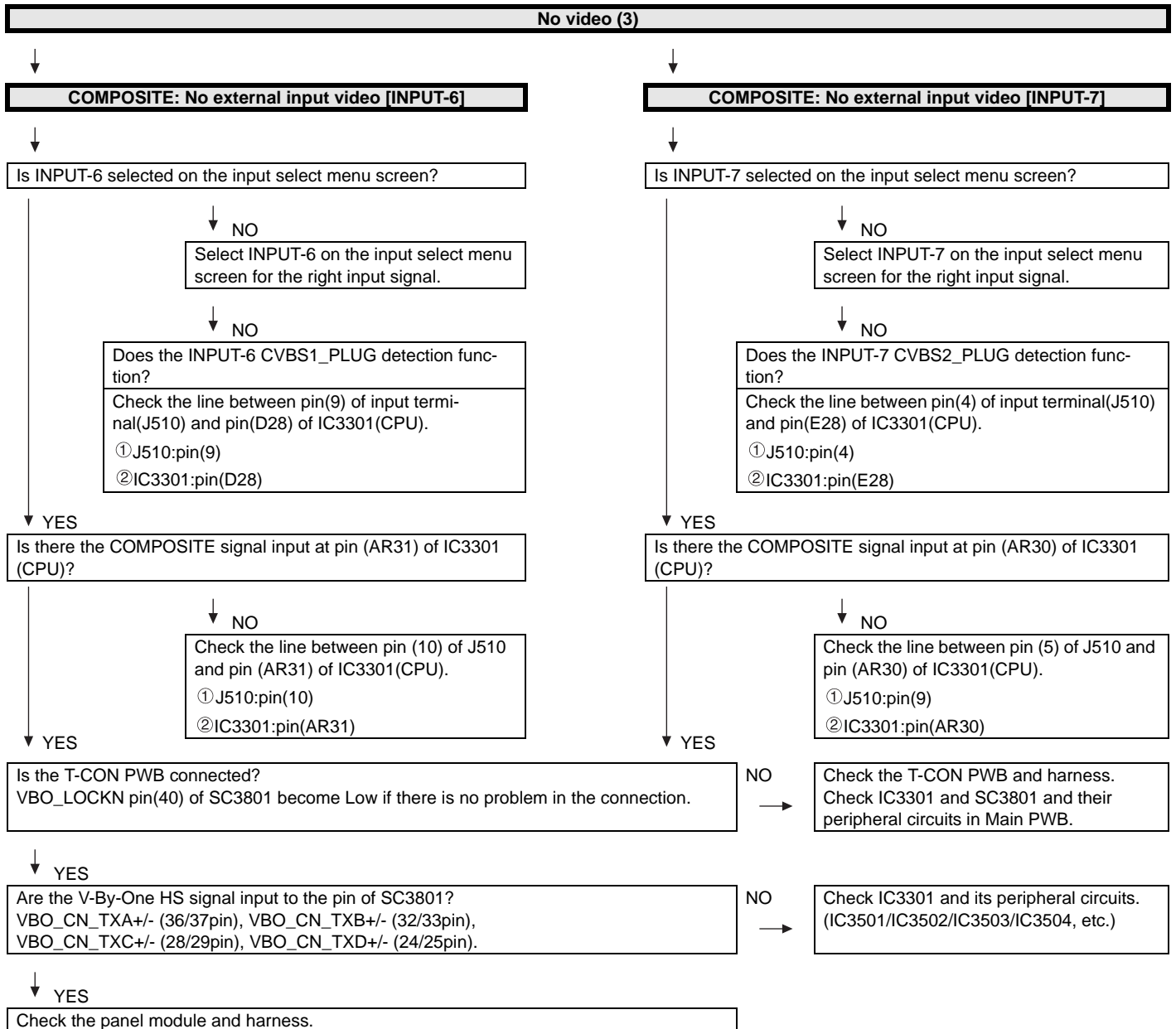




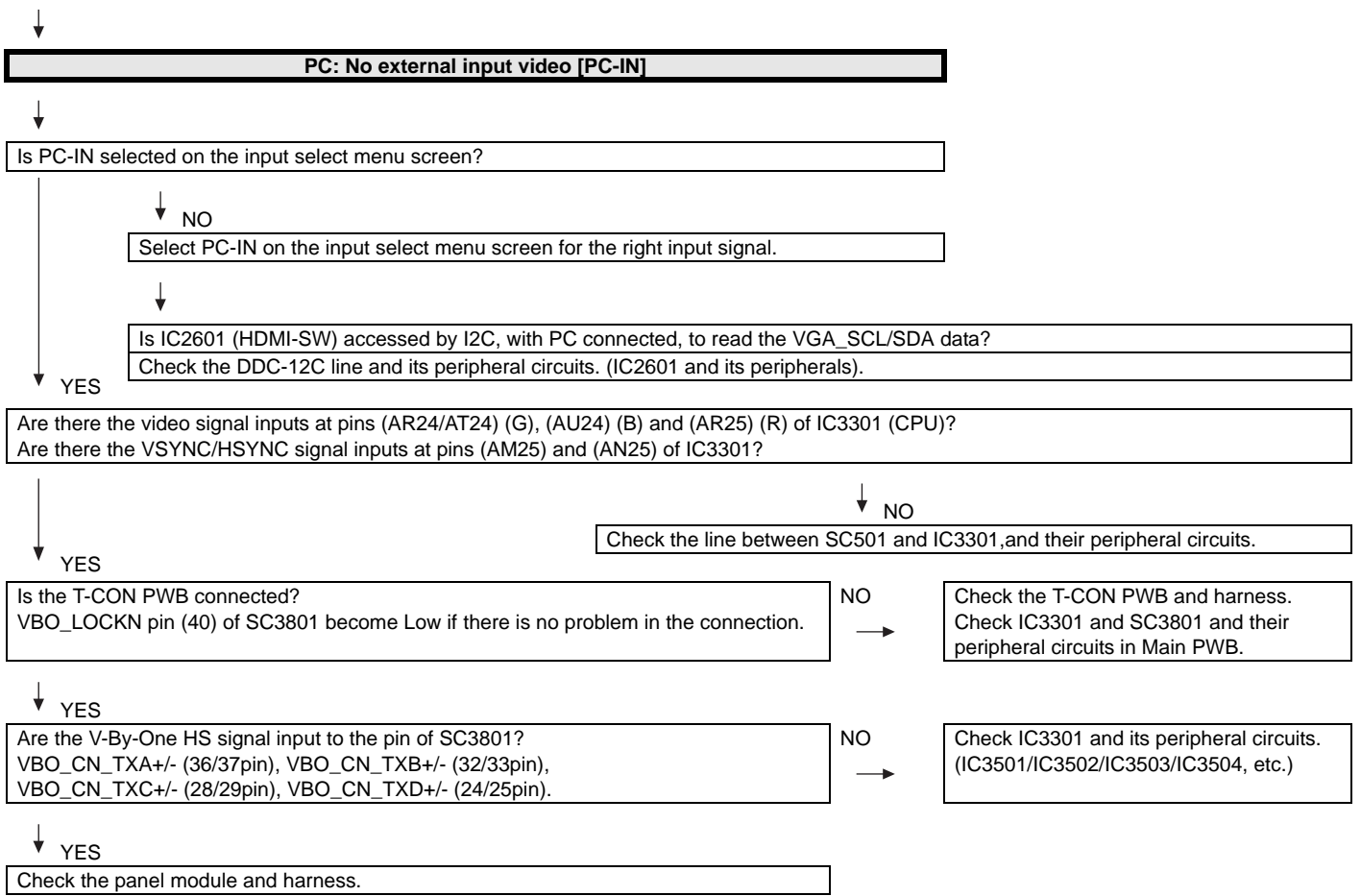


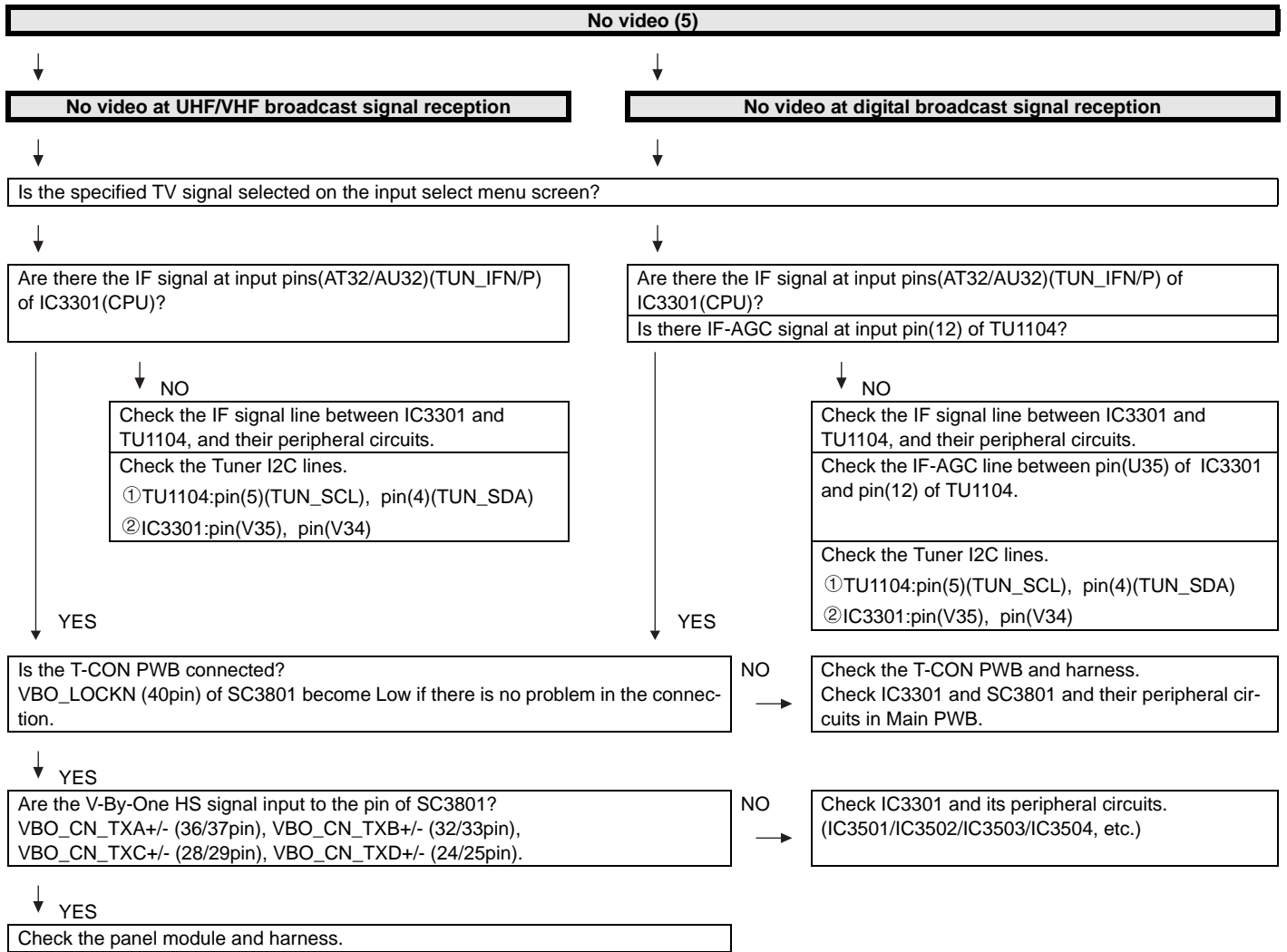






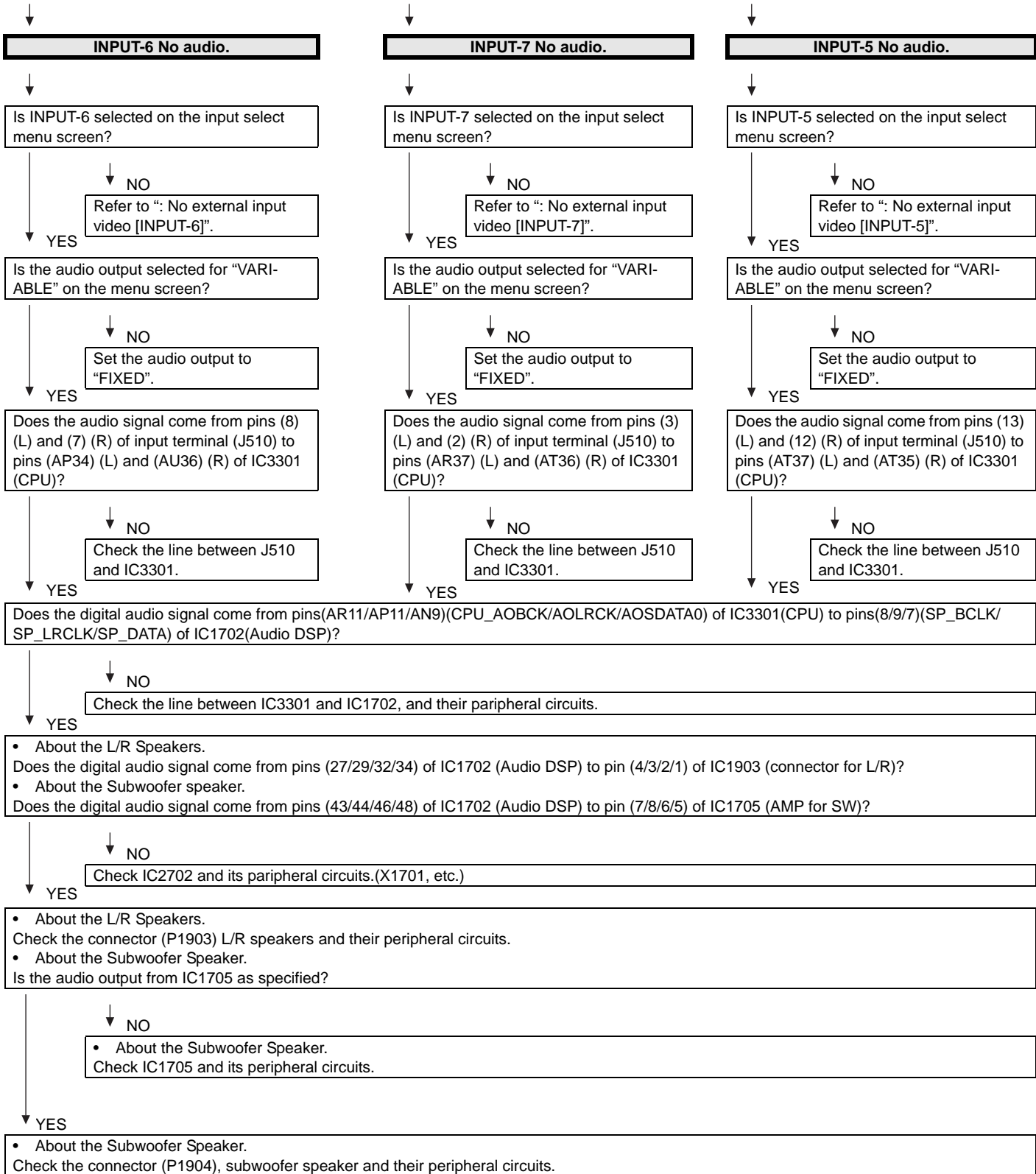
**No video (4)**

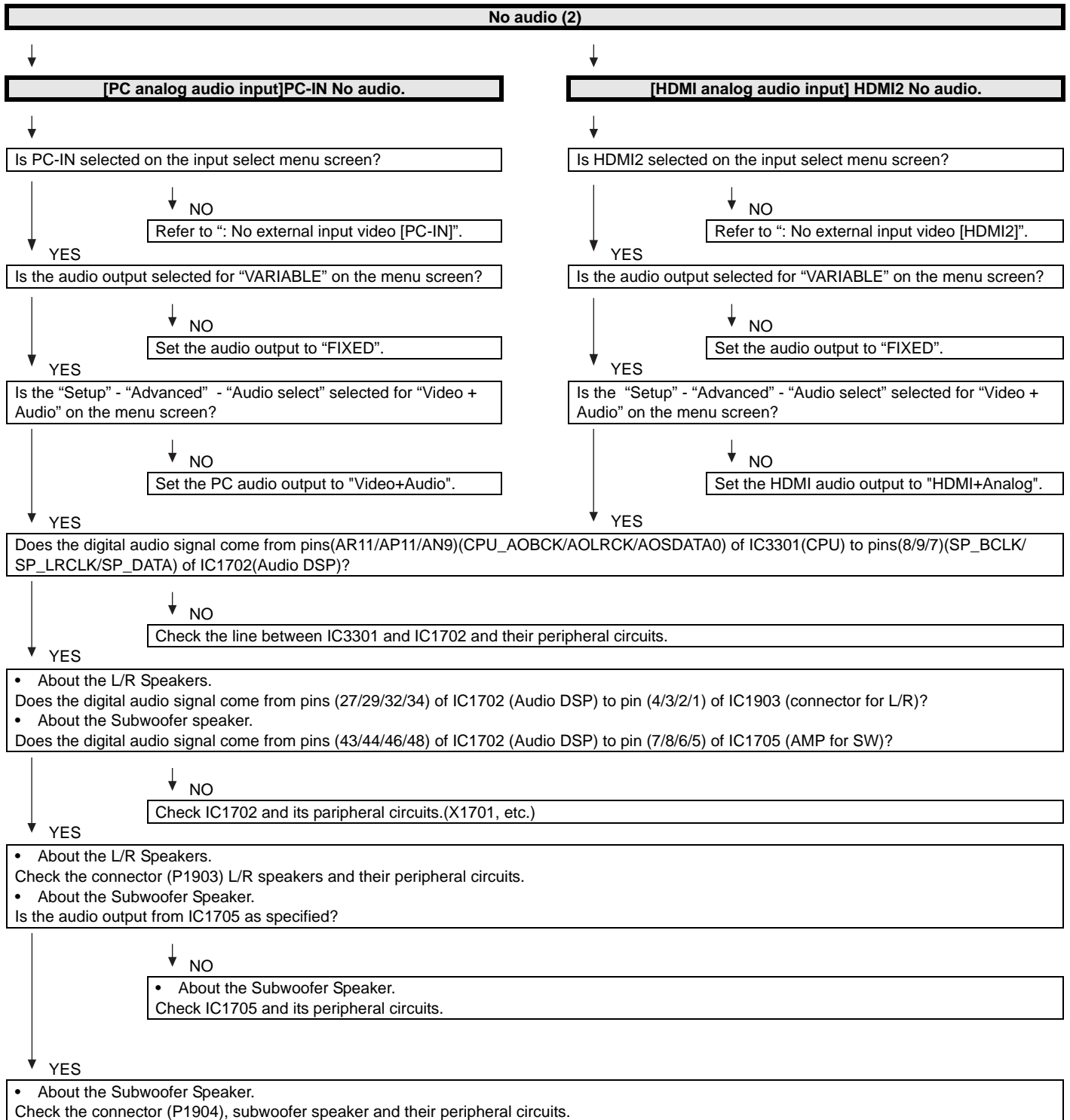


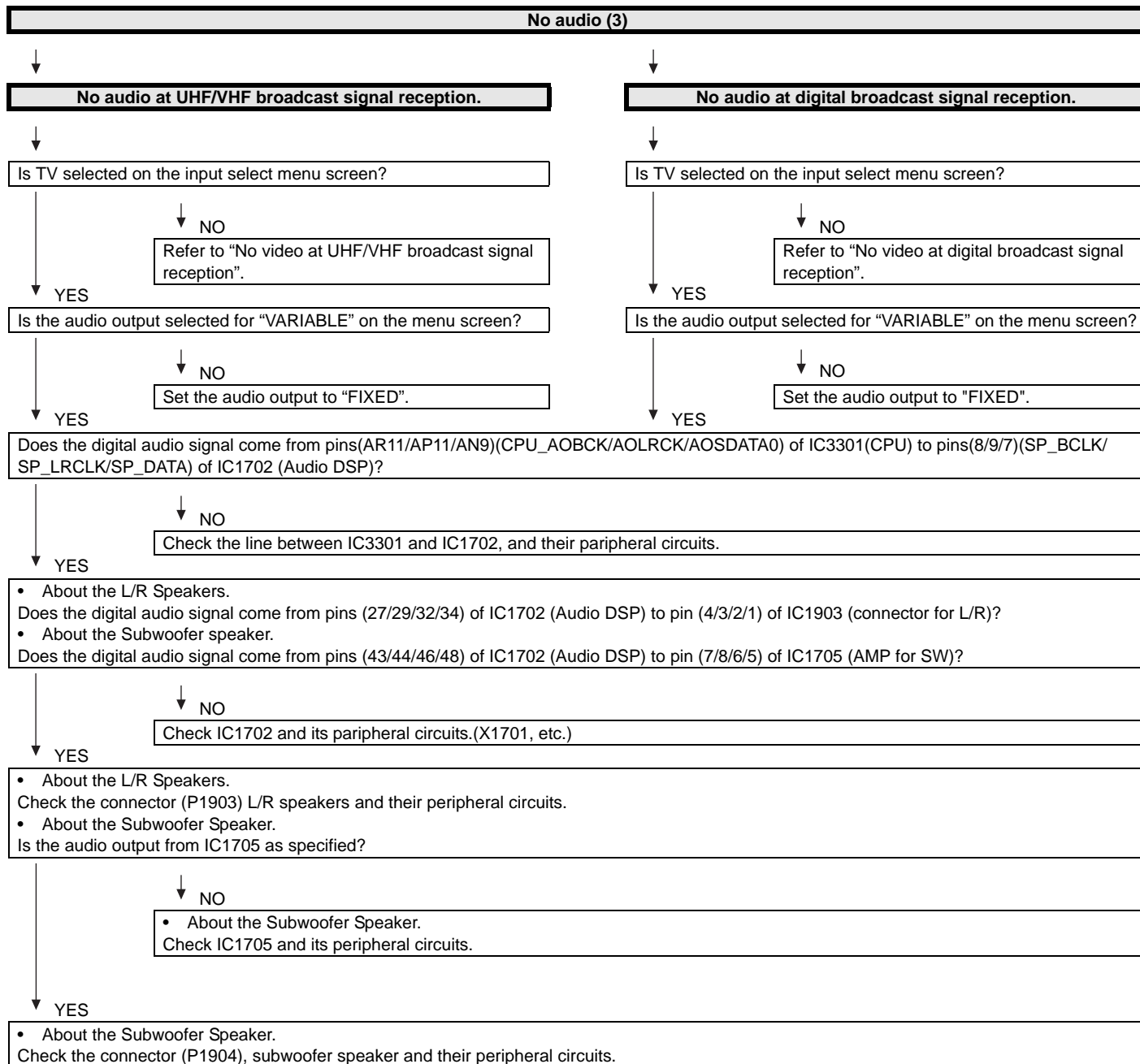


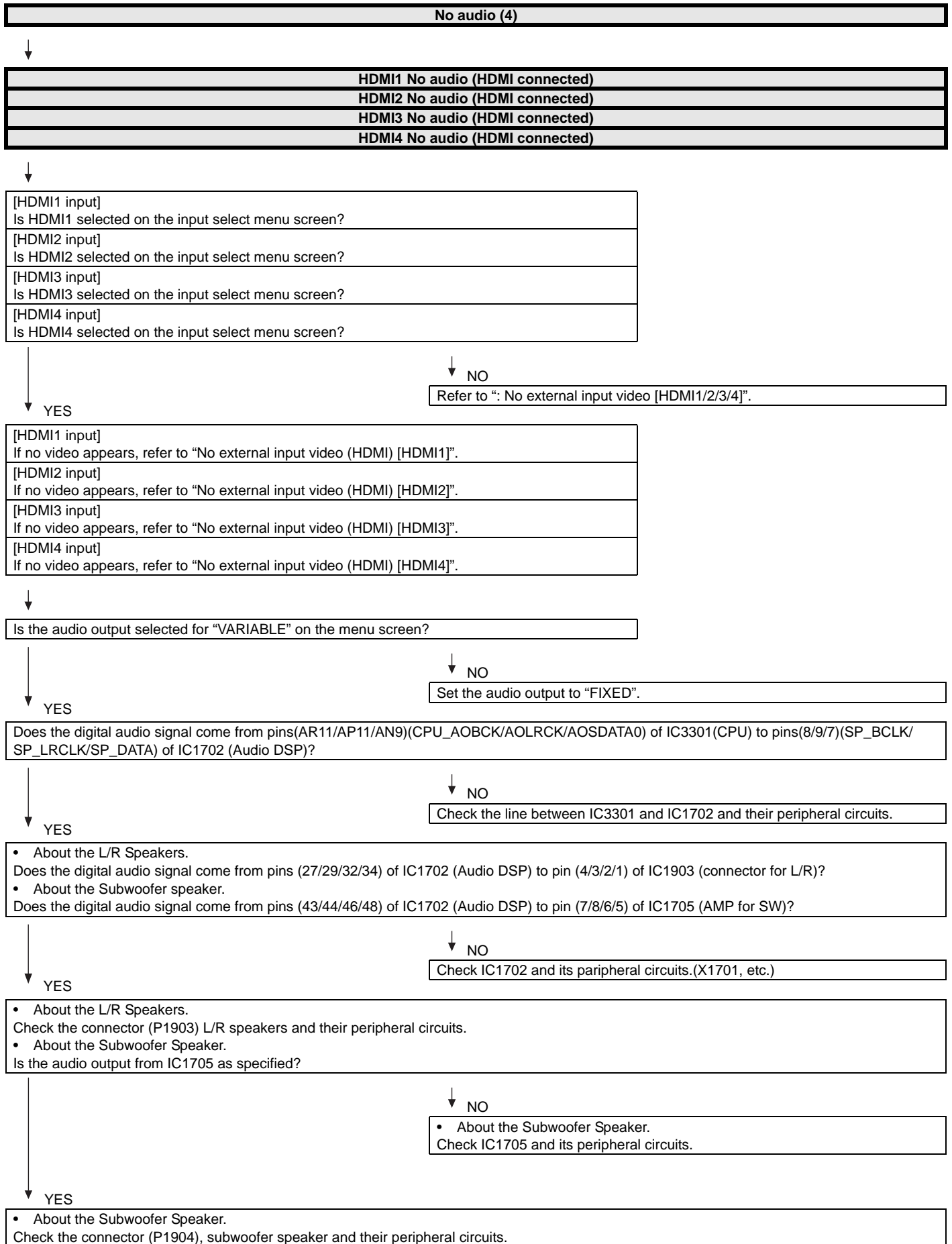
**• Does not sound.**

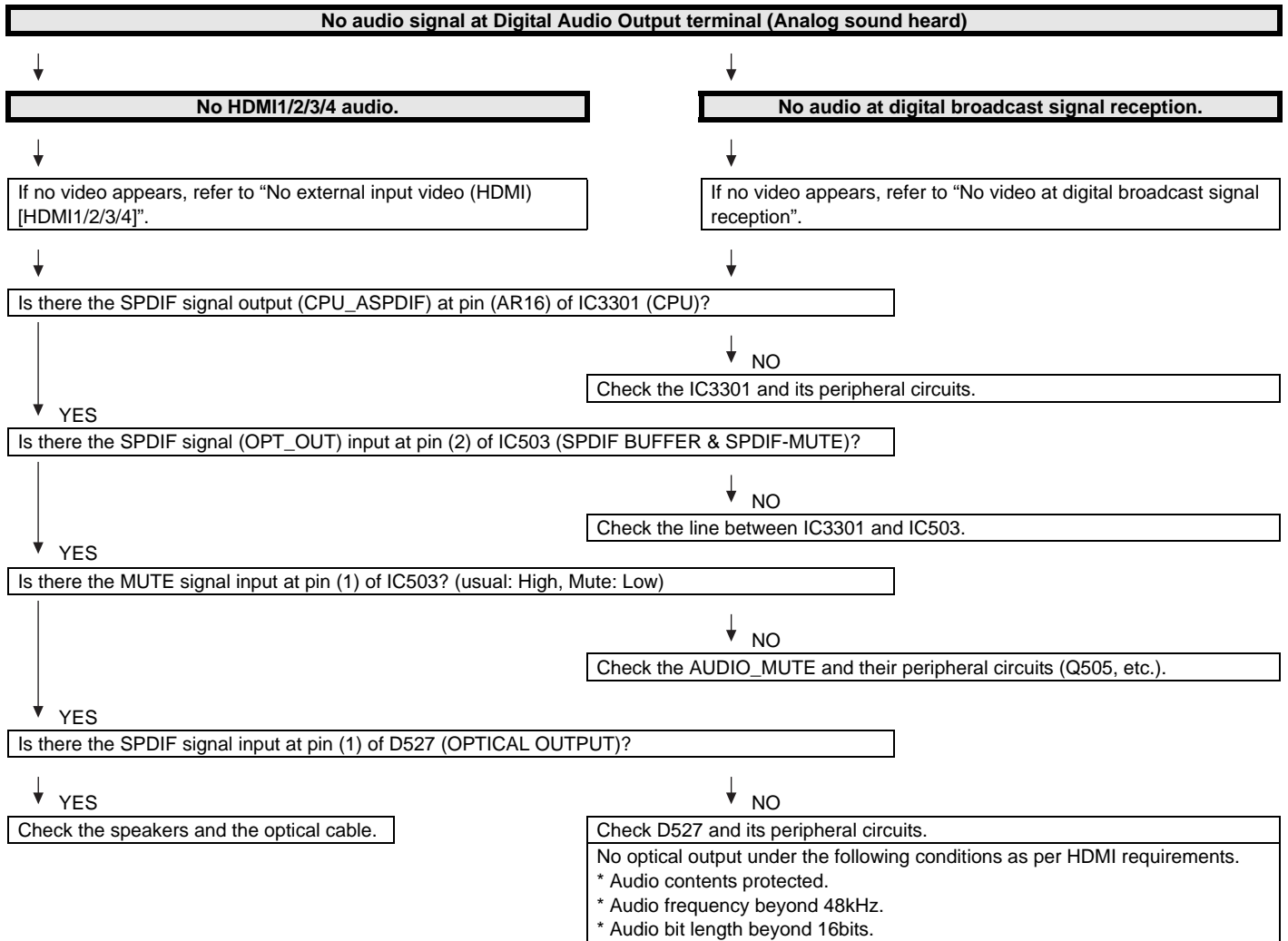
**No audio (1)**



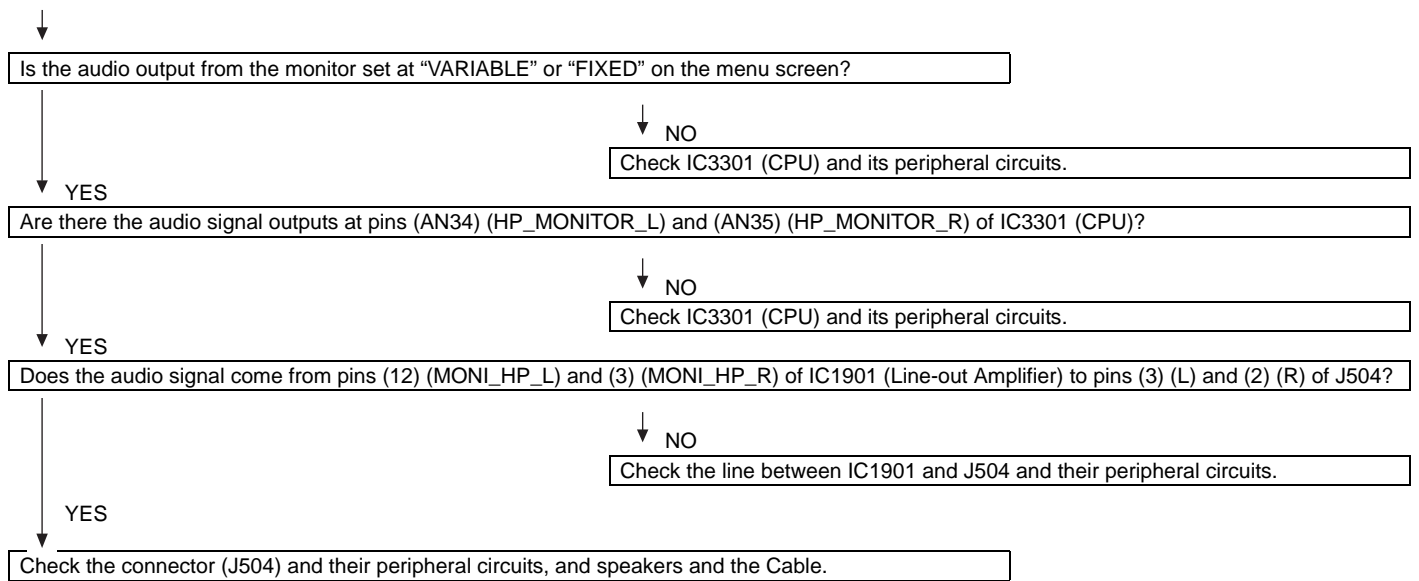








**No monitor audio output**



**No connect network**

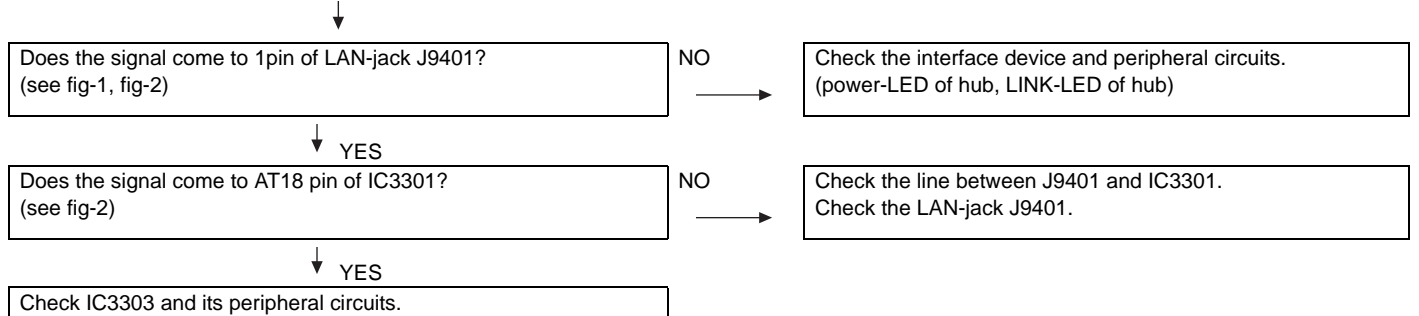


fig-1 LAN-jack J9401

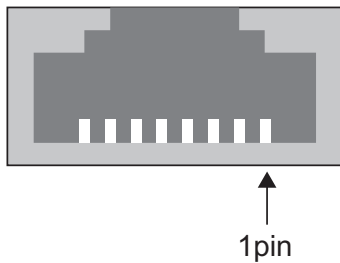
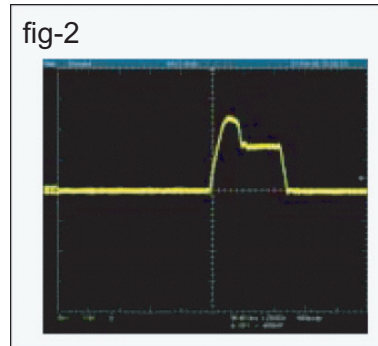


fig-2



## CHAPTER 7. MAJOR IC INFORMATIONS

### [1] MAJOR IC INFORMATIONS (DKEYMG381FM01)

#### 1. MAJOR IC INFORMATIONS

##### 1.1. IC2601 (VHiSi9687A-1Q)

This IC is 4 input and 1 output HDMI port processor.

The TMDS cores run at 3.0Gbps. (Supports video resolutions up to 4Kx2K@30Hz, 1080p@120Hz, and 1080p 3D@60Hz.)

The adaptive equalizer provides long cable support.

This IC has been pre-programmed with HDCP keys.

EDID and DDC support for 5 HDMI/DVI ports and 1 VGA port. (This IC includes 512-byte NVRAM and 256-byte SRAM for 5 HDMI ports and 128-byte SRAM for VGA port.)

This IC supports the mandatory and several optional 3D formats described in the HDMI 1.4 Specification.

"Audio Return Channel" and "HDMI Ethernet Channel" support for one receiver port.

"MHL" support for resolutions up to 1080i@60Hz can be assigned to any one input port.

When changing this IC, please write EDID (how to write EDID is shown in Chapter 5 and section 10.1).

##### 1.2. IC2004 (RH-iXD515WJNSQ)

The monitor microprocessor is intended to communicate with the main microprocessor and to operate the system.

It also controls power of the entire system.

##### 1.3. IC2007 (VHiRV2402Ai-1Y)

This is 2k-bit EEPROM device stores the monitor microprocessor setting.

##### 1.4. IC3301 (RH-iXD414WJN1Q)

This LSI is FULL HIGH-DEFINITION 1080P DIGITAL TV SYSTEM-ON-A-CHIP.

It combines a transport de-multiplexer, a high definition video decoder, an AC3 audio decoder, a four-link LVDS transmitter, a V-by-One transmitter, and an NTSC/PAL/SECAM TV decoder with a 3D comb filter (NTSC/PAL).

It supports Full-HD MPEG1/2/4/H.264/DiviX/VC1/RM/AVS/VP6/VP8 video decoder standards, and JPEG.

Audio support includes a BTSC and a Dolby AC3/MPEG-2 Layer 1, 2, audio decoder.

Two SPDIF output and a pair of analog outputs (L-R) are provided.

The LSI incorporates a complete ARM Cortex-A9 dual core based microprocessor subsystem including caches with bridging to memory and a local bus, where external peripherals can be attached.

Integrated peripherals include four USB 2.0, three UARTs, counter/timers and GPIO controllers.

It supports ATSC/DVB-T/DVB-C demodulators.

##### 1.5. IC3501, IC3502, IC3503, IC3504 (RH-iXD682WJQZQ)

These are 2G-bit (128M x 16bit) DDR3-1600 synchronous DRAM.

##### 1.6. IC3103 (RH-iXD706WJQZQ)

The 8G-bit NAND flash memory device stores the main CPU program.

##### 1.7. IC3104 (VHiRV2464Ai-1Y)

This is 64k-bit EEPROM device including the user setting.

##### 1.8. IC506 (VHiM3221EiP-1Y)

This IC is a high speed, single-channel RS-232 transceiver interface device that operates from a single 3.3V power supply.

The device provides the electrical interface between an asynchronous communication controller and the serial-port connector.

This device operates at data signaling rates up to 460kbit/s.

All RS-232 (Tout and Rin) and CMOS (Tin and Rout) inputs and outputs are protected against electrostatic discharge (up to +/- 15kV ESD protection).

##### 1.9. IC1901 (VHiNCS2632+-1Y)

This IC is audio amplifier for line-out/head-phone.

##### 1.10. IC1705 (VHiYDA176DL-1Y)

The Class-D type digital audio power amplifier YDA176 gives maximum continuous output of woofer output 15W.

##### 1.11. IC1702 (VHiYDA174QZ-1Y)

YDA174 has functions of DSP and high performance digital audio amplifier of 10W x2ch. It adjusts TVs audio quality.

## **[2] MAJOR IC INFORMATIONS (DKEYMG382FM01)**

### **1. MAJOR IC INFORMATIONS**

#### **1.1. IC2601 (VHiSi9687A-1Q)**

This IC is 4 input and 1 output HDMI port processor.

The TMDS cores run at 3.0Gbps. (Supports video resolutions up to 4Kx2K@30Hz, 1080p@120Hz, and 1080p 3D@60Hz.)

The adaptive equalizer provides long cable support.

This IC has been pre-programmed with HDCP keys.

EDID and DDC support for 5 HDMI/DVI ports and 1 VGA port. (This IC includes 512-byte NVRAM and 256-byte SRAM for 5 HDMI ports and 128-byte SRAM for VGA port.)

This IC supports the mandatory and several optional 3D formats described in the HDMI 1.4 Specification.

"Audio Return Channel" and "HDMI Ethernet Channel" support for one receiver port.

"MHL" support for resolutions up to 1080i@60Hz can be assigned to any one input port.

When changing this IC, please write EDID (how to write EDID is shown in Chapter 5 and section 10.1).

#### **1.2. IC2004 (RH-iXD515WJNSQ)**

The monitor microprocessor is intended to communicate with the main microprocessor and to operate the system.

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This LSI is FULL HIGH-DEFINITION 1080P DIGITAL TV SYSTEM-ON-A-CHIP.

It combines a transport de-multiplexer, a high definition video decoder, an AC3 audio decoder, a four-link LVDS transmitter, a V-by-One transmitter, and an NTSC/PAL/SECAM TV decoder with a 3D comb filter (NTSC/PAL).

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It supports ATSC/DVB-T/DVB-C demodulators.

#### **1.5. IC3501, IC3502, IC3503, IC3504 (RH-iXD682WJQZQ)**

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#### **1.6. IC3103 (RH-iXD706WJQZQ)**

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#### **1.8. IC506 (VHiM3221EiP-1Y)**

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The device provides the electrical interface between an asynchronous communication controller and the serial-port connector.

This device operates at data signaling rates up to 460kbit/s.

All RS-232 (Tout and Rin) and CMOS (Tin and Rout) inputs and outputs are protected against electrostatic discharge (up to +/- 15kV ESD protection).

#### **1.9. IC1901 (VHiNCS2632+-1Y)**

This IC is audio amplifier for line-out/head-phone.

#### **1.10. IC1705 (VHiYDA176DL-1Y)**

The Class-D type digital audio power amplifier YDA176 gives maximum continuous output of woofer output 15W.

#### **1.11. IC1702 (VHiYDA174QZ-1Y)**

YDA174 has functions of DSP and high performance digital audio amplifier of 10W x2ch. It adjusts TVs audio quality.

**1.12. IC2501 (VHiSii9679+-1Q)**

The Si9679 HDMI receiver supports HDMI input with HDCP1.4 or HDCP2.2 encryption.

This device supports up to 4K x 2K Ultra HD video format.

**1.13. IC2503 (RH-iXD741WJZZS)**

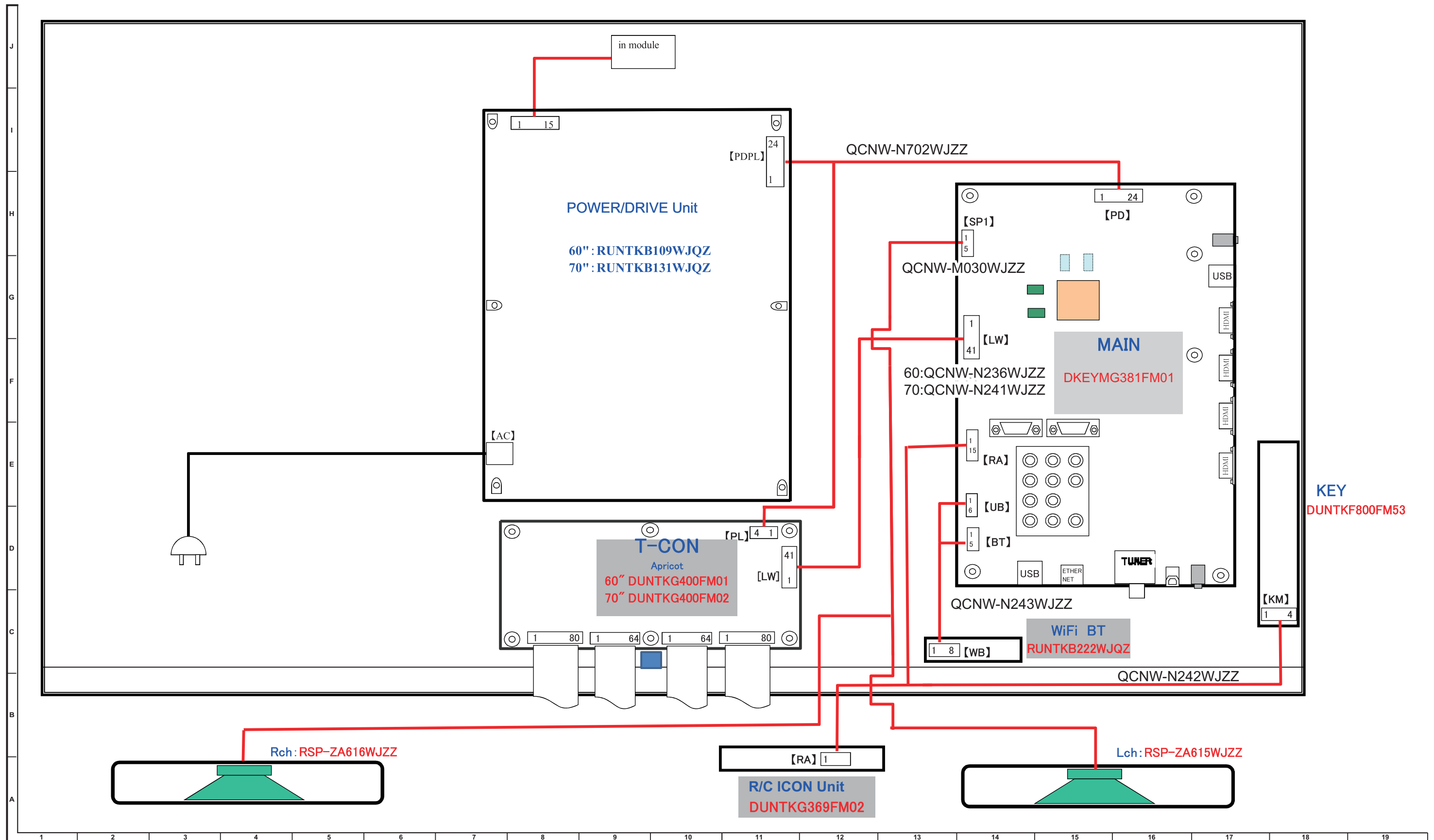
This is 8M-bit SPI Flash device stores the F/W of IC2501.

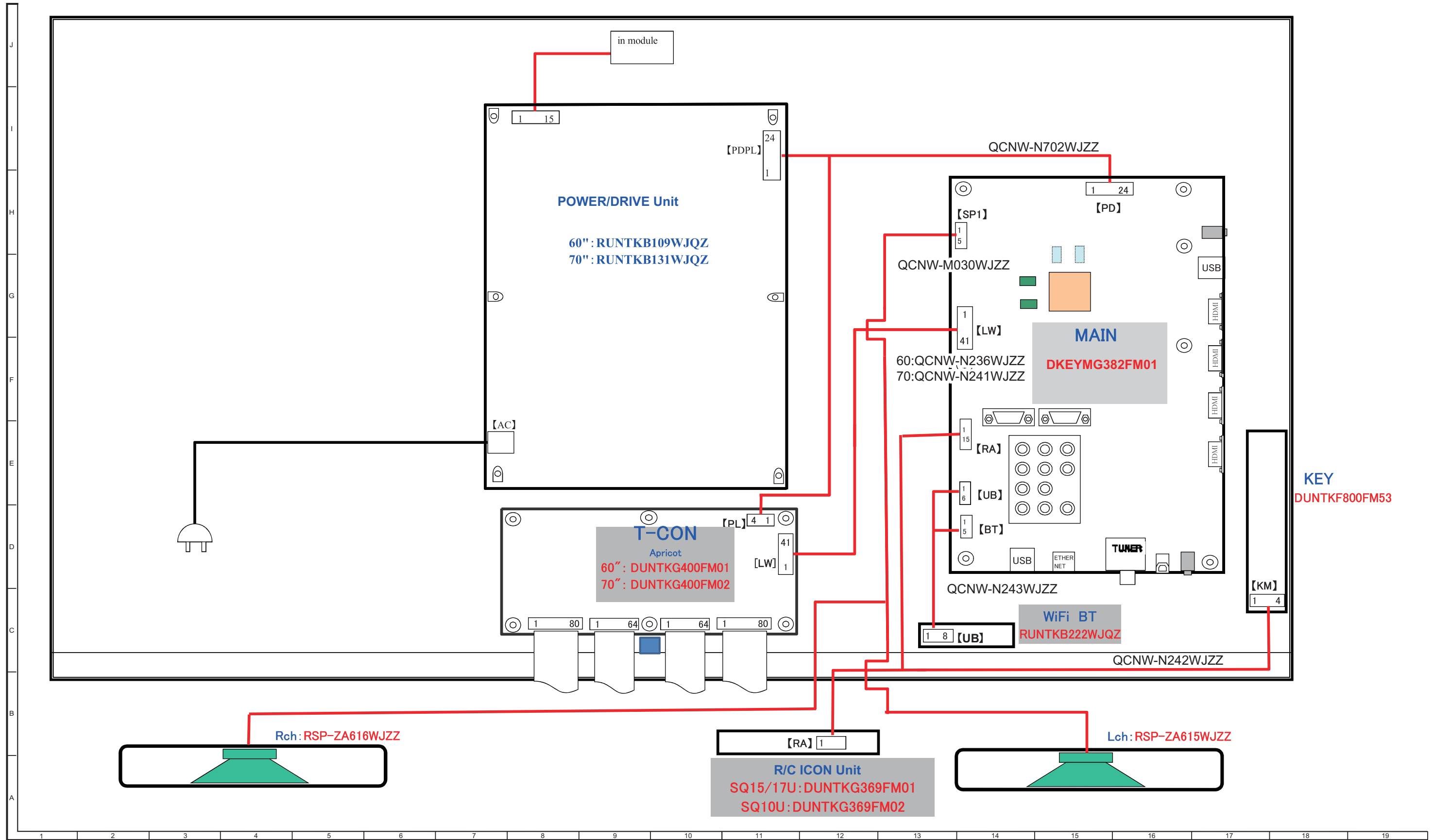
LC-60/70EQ10U,SQ10U/15U/17U,TQ15U,UQ17U

- MEMO -

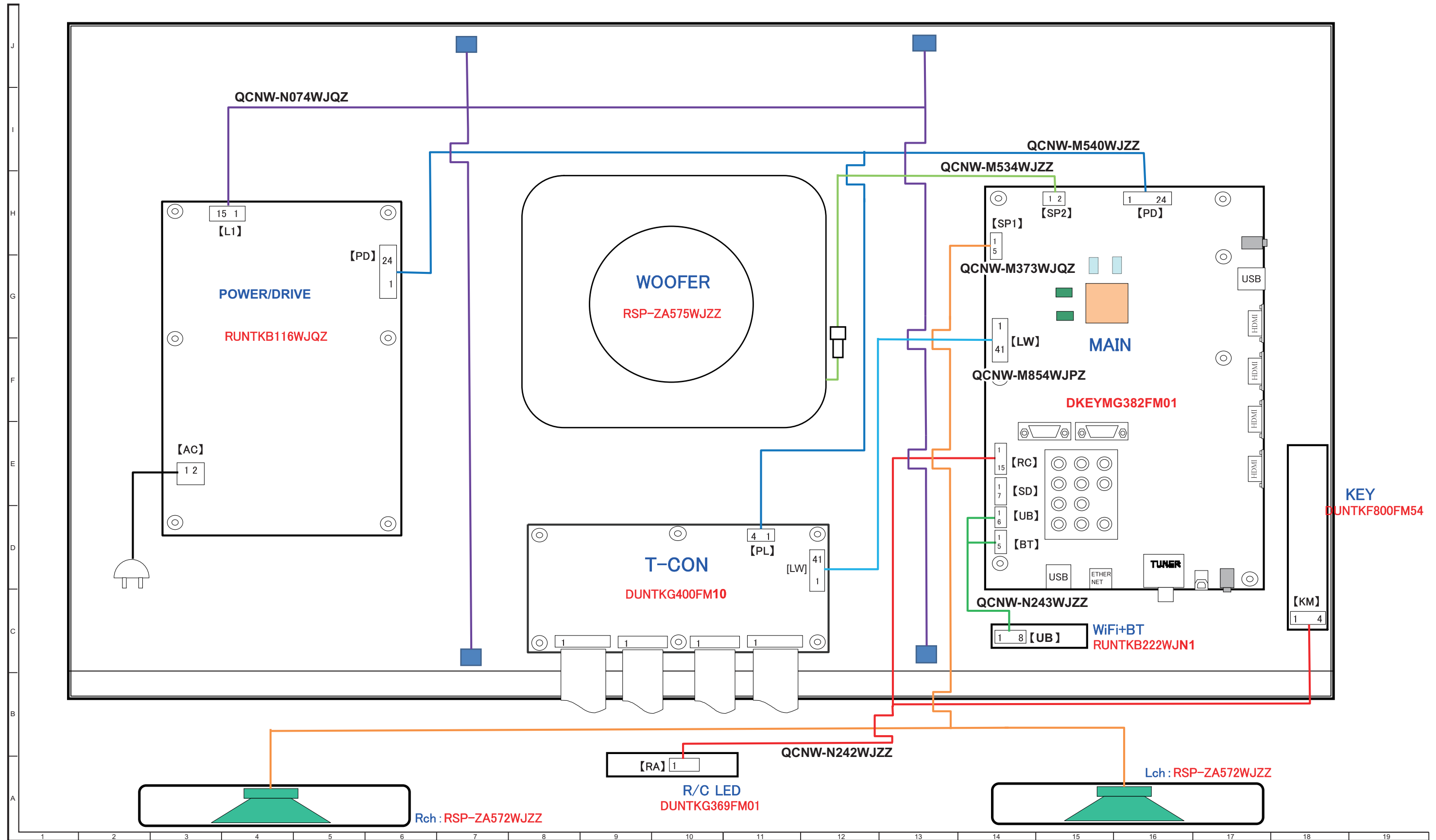
CHAPTER 8. OVERALL WIRING/SYSTEM BLOCK DIAGRAM

[1] OVERALL WIRING DIAGRAM (LC-60/70EQ10U)

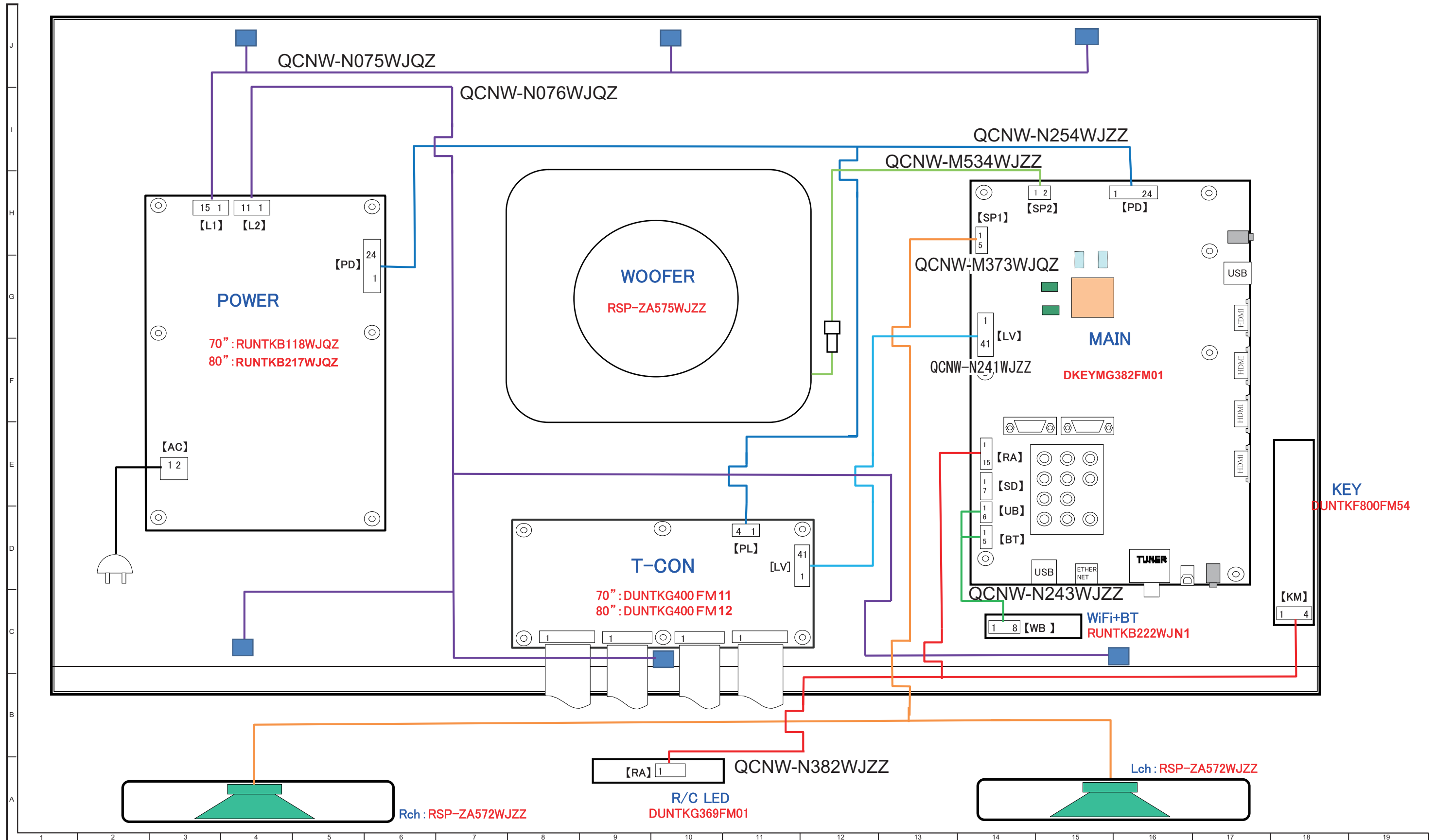




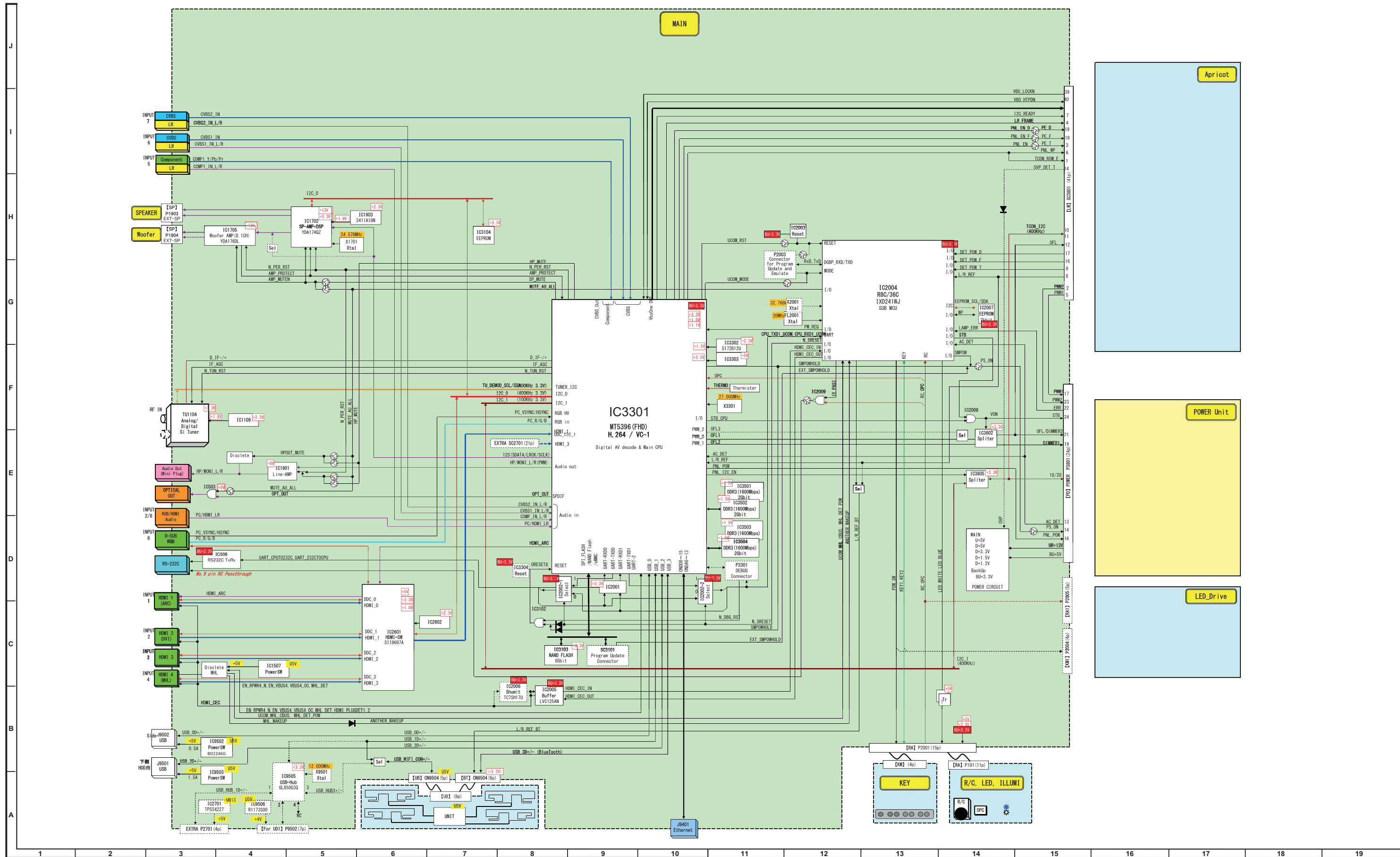
[3] OVERALL WIRING DIAGRAM (LC-60TQ15U/UQ17U)



[4] OVERALL WIRING DIAGRAM (LC-70TQ15U/UQ17U)



[5] SYSTEM BLOCK DIAGRAM (LC-60/70EQ10U)





# SHARP PARTS GUIDE

No. S14A1LC60EQ10

## LCD COLOR TELEVISION

### LC-60/70EQ10U

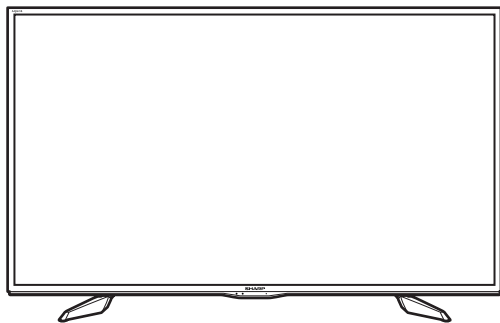
### LC-60/70SQ10U

### LC-60/70SQ15U

### LC-60/70SQ17U

### LC-60/70TQ15U

### MODELS LC-60/70UQ17U



#### CONTENTS

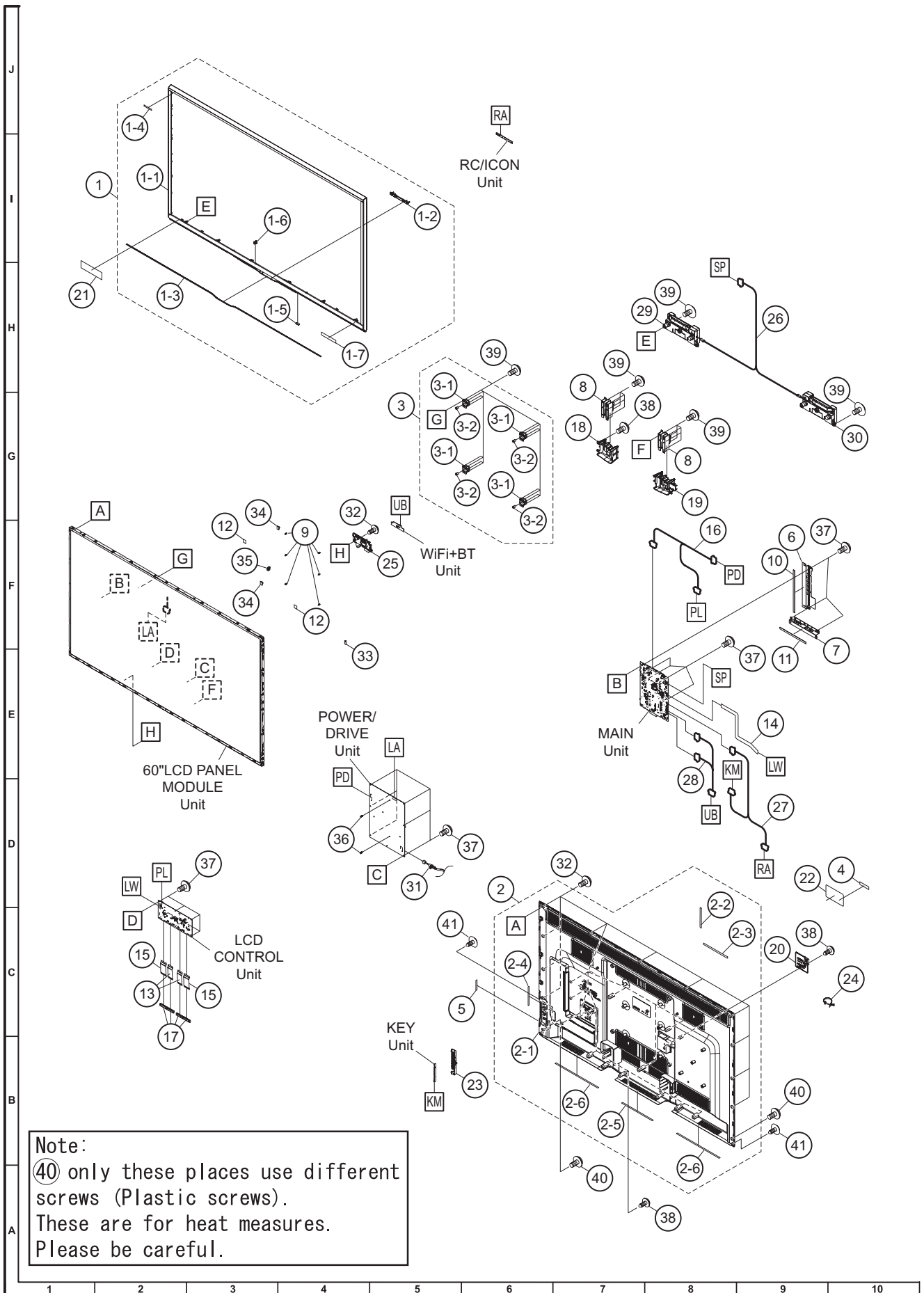
- |   |   |
|---|---|
| [1] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70EQ10U) | [6] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70UQ17U) |
| [2] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70SQ10U) | [7] LCD PANEL MODULE UNIT                           |
| [3] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70SQ15U) | [8] CABINET AND MECHANICAL PARTS (LC-60EQ10U)       |
| [4] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70SQ17U) | [9] CABINET AND MECHANICAL PARTS (LC-70EQ10U)       |
| [5] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70TQ15U) | [10] CABINET AND MECHANICAL PARTS (LC-60SQ10U)      |

Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

- |  |  |
|--|--|
| [11] CABINET AND MECHANICAL PARTS (LC-70SQ10U)   | [23] CABINET AND MECHANICAL PARTS-2 (LC-70UQ17U)   |
| [12] CABINET AND MECHANICAL PARTS (LC-60SQ15U)   | [24] SUPPLIED ACCESSORIES/ PACKING PARTS (LC-60EQ10U,SQ10U/15U/17U) (NOT REPLACEMENT ITEM) |
| [13] CABINET AND MECHANICAL PARTS (LC-70SQ15U)   | [25] SUPPLIED ACCESSORIES/ PACKING PARTS (LC-70EQ10U,SQ10U/15U/17U) (NOT REPLACEMENT ITEM) |
| [14] CABINET AND MECHANICAL PARTS (LC-60SQ17U)   | [26] SUPPLIED ACCESSORIES/ PACKING PARTS (LC-60TQ15U) (NOT REPLACEMENT ITEM)               |
| [15] CABINET AND MECHANICAL PARTS (LC-70SQ17U)   | [27] SUPPLIED ACCESSORIES/ PACKING PARTS (LC-70TQ15U) (NOT REPLACEMENT ITEM)               |
| [16] CABINET AND MECHANICAL PARTS-1 (LC-60TQ15U) | [28] SUPPLIED ACCESSORIES/ PACKING PARTS (LC-60UQ17U) (NOT REPLACEMENT ITEM)               |
| [17] CABINET AND MECHANICAL PARTS-2 (LC-60TQ15U) | [29] SUPPLIED ACCESSORIES/ PACKING PARTS (LC-70UQ17U) (NOT REPLACEMENT ITEM)               |
| [18] CABINET AND MECHANICAL PARTS-1 (LC-70TQ15U) | [30] SERVICE JIG (USE FOR SERVICING) (LC-60/70EQ10U/SQ10U,15U,17U)                         |
| [19] CABINET AND MECHANICAL PARTS-2 (LC-70TQ15U) | [31] SERVICE JIG (USE FOR SERVICING) (LC-60/70TQ15U/UQ17U)                                 |
| [20] CABINET AND MECHANICAL PARTS-1 (LC-60UQ17U) |  |
| [21] CABINET AND MECHANICAL PARTS-2 (LC-60UQ17U) |  |
| [22] CABINET AND MECHANICAL PARTS-1 (LC-70UQ17U) |  |

| NO.  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION   |
|--|----------------|------------|----------|---------------|---|
| <b>[1] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70EQ10U)</b> |                |            |          |               |   |
| N  | DKEYMG381FM01  | BV         |          | X             | MAIN Unit   |
| N  | DUNTKG400FM01  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-60EQ10U)                 |
| N  | DUNTKG400FM02  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-70EQ10U)                 |
| N  | DUNTKF800FM53  | AE         |          | X             | KEY Unit  |
| N  | DUNTKG369FM02  | AG         | N        | X             | RC/ICON Unit  |
| N  | RUNTKB222WJQZ  | AZ         | N        | X             | WiFi+BT Unit  |
| N  | RUNTKB109WJQZ  | BG         |          | X             | POWER/DRIVE Unit (LC-60EQ10U)                         |
| N  | RUNTKB131WJQZ  | BK         |          | X             | POWER/DRIVE Unit (LC-70EQ10U)                         |
| <b>[2] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70SQ10U)</b> |                |            |          |               |   |
| N  | DKEYMG382FM01  | BW         | N        | X             | MAIN Unit   |
| N  | DUNTKG400FM01  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-60SQ10U)                 |
| N  | DUNTKG400FM02  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-70SQ10U)                 |
| N  | DUNTKF800FM53  | AE         |          | X             | KEY Unit  |
| N  | DUNTKG369FM02  | AG         |          | X             | RC/ICON Unit  |
| N  | RUNTKB222WJQZ  | AZ         | N        | X             | WiFi+BT Unit  |
| N  | RUNTKB109WJQZ  | BG         |          | X             | POWER/DRIVE Unit (LC-60SQ10U)                         |
| N  | RUNTKB131WJQZ  | BK         |          | X             | POWER/DRIVE Unit (LC-70SQ10U)                         |
| <b>[3] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70SQ15U)</b> |                |            |          |               |   |
| N  | DKEYMG382FM01  | BW         | N        | X             | MAIN Unit   |
| N  | DUNTKG400FM01  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-60SQ15U)                 |
| N  | DUNTKG400FM02  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-70SQ15U)                 |
| N  | DUNTKF800FM53  | AE         |          | X             | KEY Unit  |
| N  | DUNTKG369FM01  | AG         |          | X             | RC/ICON Unit  |
| N  | RUNTKB222WJQZ  | AZ         | N        | X             | WiFi+BT Unit  |
| N  | RUNTKB109WJQZ  | BG         |          | X             | POWER/DRIVE Unit (LC-60SQ15U)                         |
| N  | RUNTKB131WJQZ  | BK         |          | X             | POWER/DRIVE Unit (LC-70SQ15U)                         |
| <b>[4] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70SQ17U)</b> |                |            |          |               |   |
| N  | DKEYMG382FM01  | BW         | N        | X             | MAIN Unit   |
| N  | DUNTKG400FM01  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-60SQ17U)                 |
| N  | DUNTKG400FM02  | BN         | N        | X             | LCD CONTROL (T-CON) Unit (LC-70SQ17U)                 |
| N  | DUNTKF800FM53  | AE         |          | X             | KEY Unit  |
| N  | DUNTKG369FM01  | AG         |          | X             | RC/ICON Unit  |
| N  | RUNTKB222WJQZ  | AZ         | N        | X             | WiFi+BT Unit  |
| N  | RUNTKB109WJQZ  | BG         |          | X             | POWER/DRIVE Unit (LC-60SQ17U)                         |
| N  | RUNTKB131WJQZ  | BK         |          | X             | POWER/DRIVE Unit (LC-70SQ17U)                         |
| <b>[5] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70TQ15U)</b> |                |            |          |               |   |
| N  | DKEYMG382FM01  | BW         | N        | X             | MAIN Unit   |
| N  | DUNTKG400FM10  |            | N        | X             | LCD CONTROL (T-CON) Unit (LC-60TQ15U)                 |
| N  | DUNTKG400FM11  |            | N        | X             | LCD CONTROL (T-CON) Unit (LC-70TQ15U)                 |
| N  | DUNTKF800FM54  | AE         | N        | X             | KEY Unit  |
| N  | DUNTKG369FM01  | AG         | N        | X             | RC/ICON Unit  |
| N  | RUNTKB222WJN1  |            | N        | X             | WiFi+BT Unit  |
| N  | RUNTKB116WJQZ  | BK         | N        | X             | POWER/DRIVE Unit (LC-60TQ15U)                         |
| N  | RUNTKB118WJQZ  | BM         | N        | X             | POWER/DRIVE Unit (LC-70TQ15U)                         |
| N  | RUNTKB075WJZZ  | AZ         | N        | X             | LED Unit (LC-60TQ15U)                                 |
| N  | RUNTKB077WJZZ  | AY         | N        | X             | LED Unit (LC-70TQ15U)                                 |
| <b>[6] PRINTED WIRING BOARD ASSEMBLIES (LC-60/70UQ17U)</b> |                |            |          |               |   |
| N  | DKEYMG382FM01  | BW         | N        | X             | MAIN Unit   |
| N  | DUNTKG400FM10  |            | N        | X             | LCD CONTROL (T-CON) Unit (LC-60UQ17U)                 |
| N  | DUNTKG400FM11  |            | N        | X             | LCD CONTROL (T-CON) Unit (LC-70UQ17U)                 |
| N  | DUNTKF800FM54  | AE         | N        | X             | KEY Unit  |
| N  | DUNTKG369FM01  | AG         | N        | X             | RC/ICON Unit  |
| N  | RUNTKB222WJN1  |            | N        | X             | WiFi+BT Unit  |
| N  | RUNTKB116WJQZ  | BK         | N        | X             | POWER/DRIVE Unit (LC-60UQ17U)                         |
| N  | RUNTKB118WJQZ  | BM         | N        | X             | POWER/DRIVE Unit (LC-70UQ17U)                         |
| N  | RUNTKB075WJZZ  | AZ         | N        | X             | LED Unit (LC-60UQ17U)                                 |
| N  | RUNTKB077WJZZ  | AY         | N        | X             | LED Unit (LC-70UQ17U)                                 |
| <b>[7] LCD PANEL MODULE UNIT</b>                           |                |            |          |               |   |
| N  | R1JE601D3GW00Z | EG         | N        | X             | 60" LCD PANEL MODULE Unit (LC-60EQ10U) (JE601D3GW00Z) |
| N  | R1JE695D3GV10Z | EH         | N        | X             | 70" LCD PANEL MODULE Unit (LC-70EQ10U) (JE695D3GV10Z) |
| N  | R1JE601D3GW00Z | EG         | N        | X             | 60" LCD PANEL MODULE Unit (LC-60SQ10U) (JE601D3GW00Z) |
| N  | R1JE695D3GV10Z | EH         | N        | X             | 70" LCD PANEL MODULE Unit (LC-70SQ10U) (JE695D3GV10Z) |
| N  | R1JE601D3GW00Z | EG         | N        | X             | 60" LCD PANEL MODULE Unit (LC-60SQ15U) (JE601D3GW00Z) |
| N  | R1JE695D3GV10Z | EH         | N        | X             | 70" LCD PANEL MODULE Unit (LC-70SQ15U) (JE695D3GV10Z) |
| N  | R1JE601D3GW00Z | EG         | N        | X             | 60" LCD PANEL MODULE Unit (LC-60SQ17U) (JE601D3GW00Z) |
| N  | R1JE695D3GV10Z | EH         | N        | X             | 70" LCD PANEL MODULE Unit (LC-70SQ17U) (JE695D3GV10Z) |

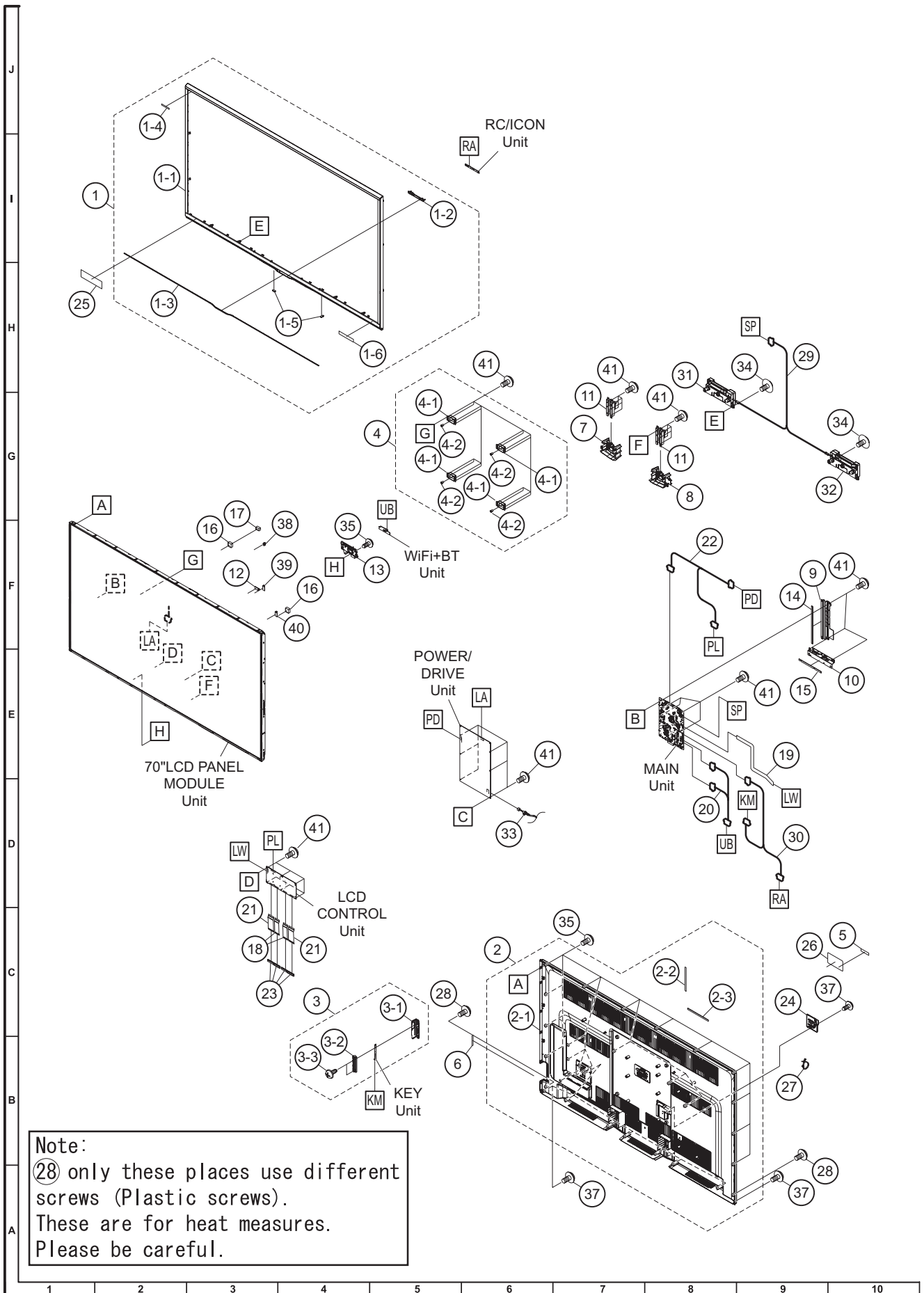
[8] CABINET AND MECHANICAL PARTS (LC-60EQ10U)



| NO.  | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                     |
|--|----------------|------------|----------|---------------|---------------------------------|
| <b>[8] CABINET AND MECHANICAL PARTS (LC-60EQ10U)</b> |                |            |          |               |                                 |
| 1  | CCABAD080WJ34  | BD         | N        | X             | Front Cabinet Ass'y             |
| 1-1  | Not Available  | -          | N        | -             | Front Cabinet                   |
| 1-2  | Not Available  | -          | -        | -             | R/C LED Decoration              |
| 1-3  | HDECSA115WJ3A  | AR         |          | X             | Shine Trim                      |
| 1-4  | TLABZE300WJSA  |            |          | X             | QUATTRON Label                  |
| 1-5  | LHLDWA175WJUJZ | AA         |          | X             | Wire Holder                     |
| 1-6  | LHLDWA289WJKZ  | AA         |          | X             | Wire Holder                     |
| 1-7  | TLABZD496WJZZ  | AA         |          | X             | Licence Label                   |
| 2  | CCABBC175WJ31  | BE         |          | X             | Rear Cabinet Ass'y              |
| 2-1  | Not Available  | -          | N        | -             | Rear Cabinet                    |
| 2-2  | Not Available  | -          | N        | -             | Terminal Label (Side)           |
| 2-3  | Not Available  | -          | N        | -             | Terminal Label (Bottom)         |
| 2-4  | Not Available  | -          | -        | -             | KEY Indication                  |
| 2-5  | PSPAHC682WJZZ  | AB         | N        | X             | Himeron                         |
| 2-6  | PSPAHC683WJZZ  | AB         | N        | X             | Himeron, x2                     |
| 3  | CANGKD823WJ31  | AE         |          | X             | VESA Angle Ass'y, x4            |
| 3-1  | Not Available  | -          | N        | -             | VESA Angle                      |
| 3-2  | Not Available  | -          | -        | -             | VESA Shaft                      |
| 4  | TLABNB037WJZZ  | AB         |          | X             | Serial Label (Back)             |
| 5  | Not Available  | -          | N        | -             | Serial Label (Side)             |
| 6  | LANGKD145WJFW  | AD         |          | X             | Terminal Angle (Side)           |
| 7  | LANGKD146WJFW  | AC         |          | X             | Terminal Angle (Bottom)         |
| 8  | LANGKD821WJ3W  | AF         |          | X             | Stand Fix Angle, x2             |
| 9  | NSFTZA459WJF7  | AC         |          | J             | Tray Shaft, x6                  |
| 10   | PSPAZC690WJZZ  | AF         |          | J             | Gasket                          |
| 11   | PSPAZC691WJZZ  | AE         |          | J             | Gasket                          |
| 12   | PSPAZC805WJKZ  | AK         |          | J             | Cooler, x2                      |
| 13   | QCNW-N184WJZZ  | AD         | N        | X             | Connecting Cord (FFC 64Pin), x2 |
| 14   | QCNW-N236WJZZ  | AR         |          | X             | Connecting Cord (LW)            |
| 15   | QCNW-N675WJZZ  | AD         |          | X             | Connecting Cord (FFC 80Pin), x2 |
| 16   | QCNW-N702WJZZ  | AL         | N        | X             | Connecting Cord (PD/PL)         |
| 17   | RCORFA061WJZZ  | AG         |          | J             | Ferrite Core, x4                |
| 18   | GCOVAE552WJ3A  | AE         |          | X             | Bottom Cover (L)                |
| 19   | GCOVAE553WJ3A  | AE         |          | X             | Bottom Cover (R)                |
| 20   | GCOVAE555WJ3A  | AD         |          | X             | AC Cord Cover                   |
| 21   | HINDPF019WJZZ  | AC         |          | X             | Energy Guide Label              |
| 22   | HINDPF076WJSA  | AC         | N        | X             | Model Label                     |
| 23   | JBTN-A985WJ3A  | AC         | N        | X             | KEY Button                      |
| 24   | LHLDWA318WJKZ  | AD         |          | J             | Cable Tie                       |
| 25   | LHLDZB989WJ3Z  | AC         |          | X             | WiFi Holder                     |
| 26   | QCNW-M030WJZZ  | AE         |          | X             | Connecting Cord (SP)            |
| 27   | QCNW-N242WJZZ  | AH         | N        | X             | Connecting Cord (RA)            |
| 28   | QCNW-N243WJZZ  | AH         | N        | X             | Connecting Cord (UB)            |
| 29   | RSP-ZA615WJZZ  | AY         |          | J             | Speaker Unit (L)                |
| 30   | RSP-ZA616WJZZ  | AY         |          | J             | Speaker Unit (R)                |
| 31   | QACDA084WJPZ   | AG         |          | X             | AC Cord                         |
| 32   | XBPS830P06WS0  | AA         |          | X             | Screw, x19                      |
| 33   | LHLDWA175WJKZ  | AA         |          | X             | Wire Holder                     |
| 34   | LHLDWA124WJKZ  | AB         |          | X             | Wire Holder, x2                 |
| 35   | LHLDWA289WJKZ  | AA         |          | X             | Wire Holder                     |
| 36   | LHLDZB951WJKZ  | AB         |          | X             | Power Spacer, x2                |
| 37   | LX-BZA207WJF7  | AA         |          | X             | Screw, x48                      |
| 38   | XEBS830P12000  | AA         |          | X             | Screw, x9                       |
| 39   | LX-EZA069WJF7  | AA         |          | X             | Screw, x2                       |
| 40   | LX-BZA473WJN1  | AB         |          | X             | Screw, x2                       |
| 41   | XEPS830P12WS0  | AA         |          | X             | Screw, x3                       |

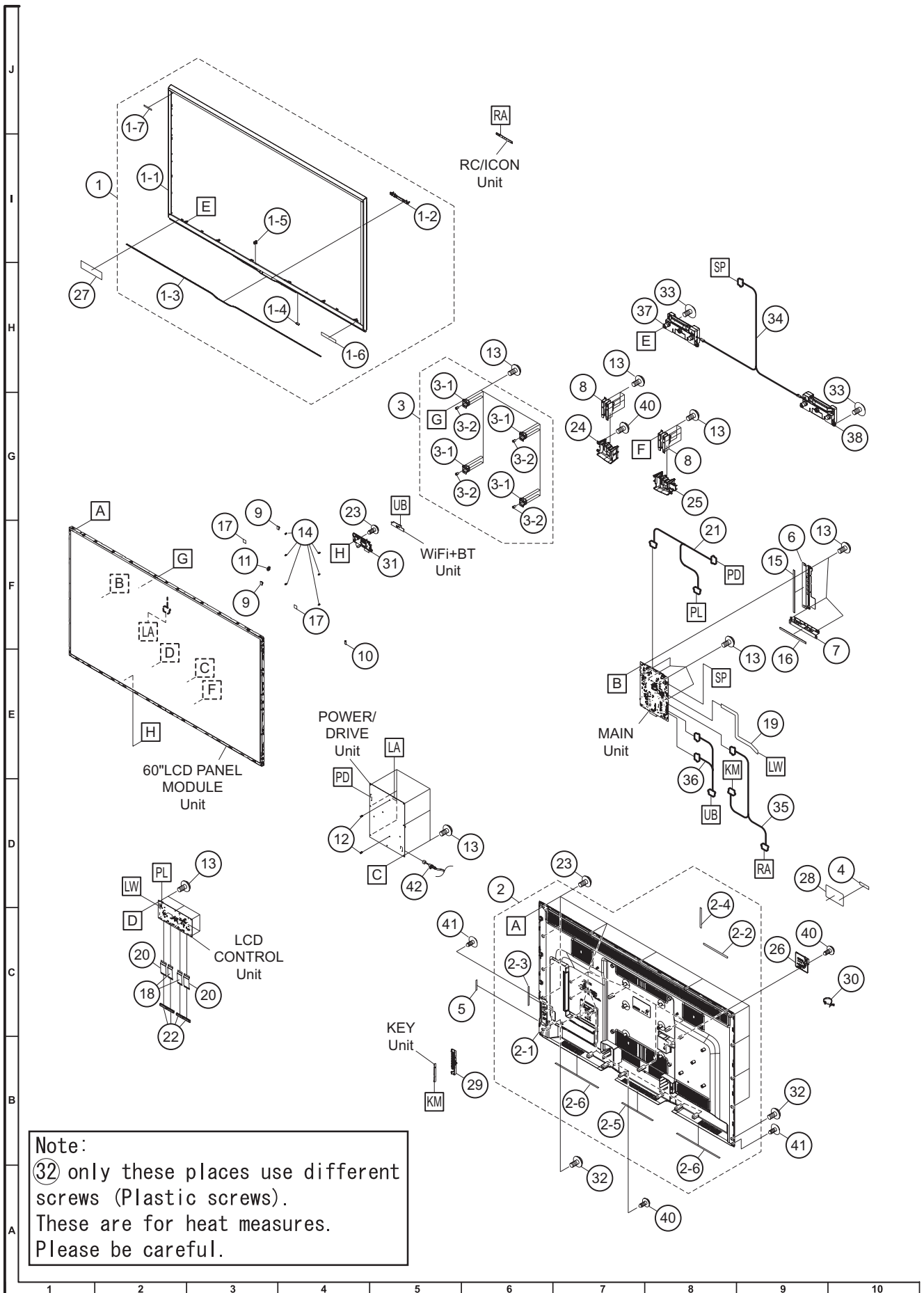
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[9] CABINET AND MECHANICAL PARTS (LC-70EQ10U)



| NO.  | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                     |
|--|---------------|------------|----------|---------------|---------------------------------|
| <b>[9] CABINET AND MECHANICAL PARTS (LC-70EQ10U)</b> |               |            |          |               |                                 |
| 1  | CCABAD081WJ34 | BE         | N        | X             | Front Cabinet Ass'y             |
| 1-1  | Not Available | -          | N        | -             | Front Cabinet                   |
| 1-2  | Not Available | -          | N        | -             | R/C LED Decoration              |
| 1-3  | HDECSA116WJ3A | AR         | N        | X             | Shine Trim                      |
| 1-4  | TLABZE300WJSA |            |          | X             | QUATTRON Label                  |
| 1-5  | LHLDWA175WJUJ | AA         |          | X             | Wire Holder, x2                 |
| 1-6  | TLABZD496WJZZ | AA         |          | X             | Licence Label                   |
| 2  | CCABBC177WJ31 | BK         |          | X             | Rear Cabinet Ass'y              |
| 2-1  | Not Available | -          | N        | -             | Rear Cabinet                    |
| 2-2  | Not Available | -          |          | -             | Terminal Label (Side)           |
| 2-3  | Not Available | -          |          | -             | Terminal Label (Bottom)         |
| 3  | DCOVAE559WE01 | AK         |          | X             | KEY Unit Ass'y                  |
| 3-1  | Not Available | -          | N        | -             | KEY Button Cover                |
| 3-2  | JBTN-A937WJ3A | AZ         |          | J             | KEY Button                      |
| 3-3  | XEBS830P08000 | AA         |          | J             | Screw, x2                       |
| 4  | CANGKD824WJ31 | AE         | N        | X             | VESA Angle Ass'y, x4            |
| 4-1  | Not Available | -          | N        | -             | VESA Angle                      |
| 4-2  | Not Available | -          |          | -             | VESA Shaft                      |
| 5  | TLABNB037WJZZ | AB         |          | X             | Serial Label (Back)             |
| 6  | Not Available | -          | N        | -             | Serial Label (Side)             |
| 7  | GCOVAE557WJ3A | AE         |          | X             | Bottom Cover (L)                |
| 8  | GCOVAE558WJ3A | AE         |          | X             | Bottom Cover (R)                |
| 9  | LANGKD825WJ3W | AE         | N        | X             | Terminal Angle (Side)           |
| 10   | LANGKD876WJ3W | AE         | N        | X             | Terminal Angle (Bottom)         |
| 11   | LANGKD884WJ3W | AF         | N        | X             | Stand Fix Angle, x2             |
| 12   | LHLDWA124WJKZ | AC         |          | J             | Wire Holder                     |
| 13   | LHLDZB989WJ3Z | AC         |          | X             | WiFi Holder                     |
| 14   | PSPAZC690WJZZ | AF         |          | J             | Gasket                          |
| 15   | PSPAZC691WJZZ | AE         |          | J             | Gasket                          |
| 16   | PSPAZC805WJKZ | AK         |          | J             | Cooler, x2                      |
| 17   | PSPAZC854WJKZ | AK         |          | J             | Cooler                          |
| 18   | QCNW-N184WJZZ | AD         | N        | X             | Connecting Cord (FFC 64Pin), x2 |
| 19   | QCNW-N241WJZZ | AT         |          | X             | Connecting Cord (LW)            |
| 20   | QCNW-N243WJZZ | AH         |          | X             | Connecting Cord (UB)            |
| 21   | QCNW-N675WJZZ | AD         |          | X             | Connecting Cord (FFC 80Pin), x2 |
| 22   | QCNW-N702WJZZ | AL         | N        | X             | Connecting Cord (PD/PL)         |
| 23   | RCORFA061WJZZ | AG         |          | J             | Ferrite Core, x4                |
| 24   | GCOVAE555WJ3A | AD         |          | X             | AC Cord Cover                   |
| 25   | HINDPF024WJZZ | AC         |          | X             | Energy Guide Label              |
| 26   | HINDPF077WJSA | AC         | N        | X             | Model Label                     |
| 27   | LHLDWA318WJKZ | AD         |          | J             | Cable Tie                       |
| 28   | LX-BZA473WJN1 | AC         |          | J             | Plastic Screw, x2               |
| 29   | QCNW-M030WJZZ | AE         |          | X             | Connecting Cord (SP)            |
| 30   | QCNW-N242WJZZ | AH         |          | X             | Connecting Cord (RA)            |
| 31   | RSP-ZA615WJZZ | AY         |          | J             | Speaker Unit (L)                |
| 32   | RSP-ZA616WJZZ | AY         |          | J             | Speaker Unit (R)                |
| 33   | QACDA084WJPZ  | AG         |          | X             | AC Cord                         |
| 34   | LX-EZA069WJF7 | AA         |          | X             | Screw, x2                       |
| 35   | XBPS830P06WS0 | AA         |          | X             | Screw, x20                      |
| 37   | XEBS830P12000 | AA         |          | X             | Screw, x10                      |
| 38   | LHLDWA289WJKZ | AA         |          | X             | Wire Holder                     |
| 39   | LHLDWA176WJUJ | AB         |          | X             | Wire Holder                     |
| 40   | LHLDWA175WJUJ | AA         |          | X             | Wire Holder                     |
| 41   | LX-BZA207WJF7 | AA         |          | X             | Screw, x47                      |

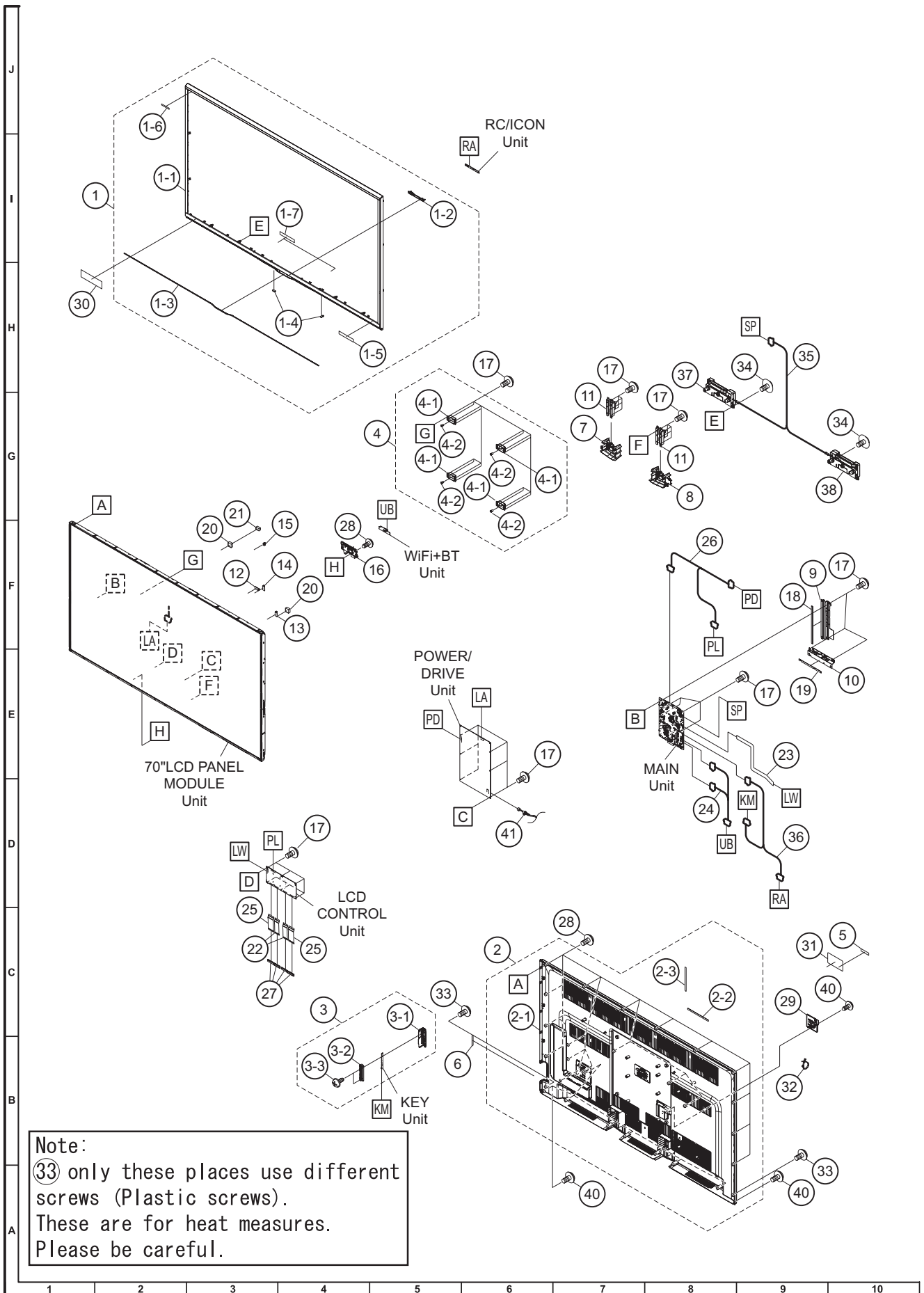
[10] CABINET AND MECHANICAL PARTS (LC-60SQ10U)



Note:  
 ③② only these places use different screws (Plastic screws).  
 These are for heat measures.  
 Please be careful.

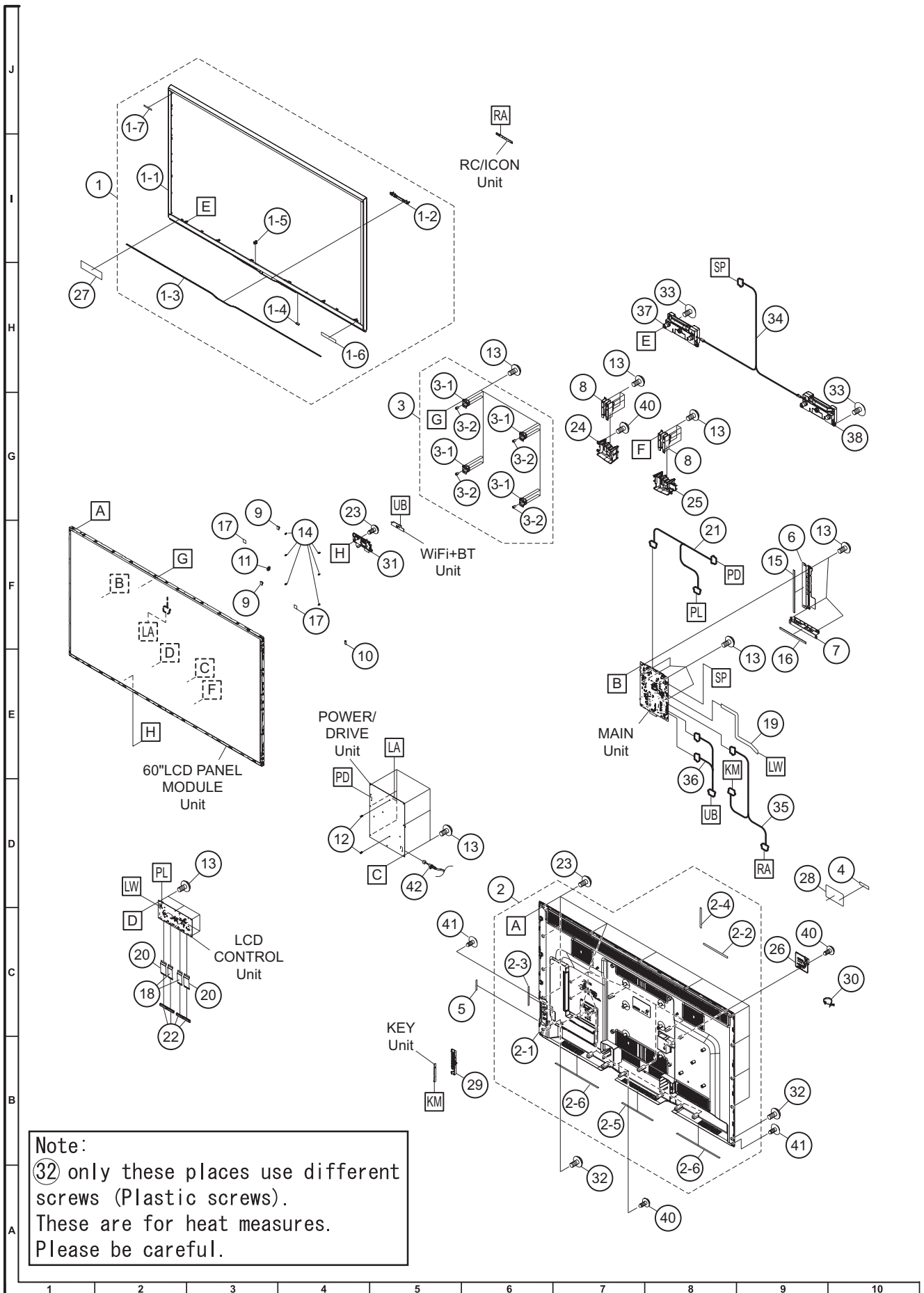
| NO.   | PARTS CODE    | PRICE RANK     | NEW MARK | PART DELIVERY | DESCRIPTION                     |         |
|---|---------------|----------------|----------|---------------|---------------------------------|---------|
| <b>[10] CABINET AND MECHANICAL PARTS (LC-60SQ10U)</b> |               |                |          |               |                                 |         |
| 1   | CCABAD080WJ31 | BL             |          | X             | Front Cabinet Ass'y             |         |
| 1-1   | Not Available | -              | N        | -             | Front Cabinet                   |         |
| 1-2   | Not Available | -              |          | -             | R/C LED Decoration              |         |
| 1-3   | HDECSA115WJ3A | AR             | N        | X             | Shine Trim                      |         |
| 1-4   | LHLDWA175WJUJ | AC             |          | J             | Wire Holder                     |         |
| 1-5   | LHLDWA289WJKZ | AC             |          | J             | Wire Holder                     |         |
| 1-6   | TLABZD612WJ3C | AB             | N        | X             | Licence Label                   |         |
| 1-7   | TLABZE228WJSC |                | N        | X             | QUATTRON Label                  |         |
| 2   | CCABBC175WJ33 | BE             | N        | X             | Rear Cabinet Ass'y              |         |
| 2-1   | Not Available | -              | N        | -             | Rear Cabinet                    |         |
| 2-2   | Not Available | -              | N        | -             | Terminal Label (Bottom)         |         |
| 2-3   | Not Available | -              |          | -             | KEY Indication                  |         |
| 2-4   | Not Available | -              | N        | -             | Terminal Label (side)           |         |
| 2-5   | PSPAHC682WJZZ | AB             |          | X             | Himeron                         |         |
| 2-6   | PSPAHC683WJZZ | AB             |          | X             | Himeron, x2                     |         |
| 3   | CANGKD823WJ31 | AE             |          | X             | VESA Angle Ass'y, x4            |         |
| 3-1   | Not Available | -              | N        | -             | VESA Angle                      |         |
| 3-2   | Not Available | -              |          | -             | VESA Shaft                      |         |
| 4   | TLABNB037WJZZ | AB             |          | X             | Serial Label (Back)             |         |
| 5   | Not Available | -              | N        | -             | Serial Label (Side)             |         |
| 6   | LANGKD145WJFW | AD             |          | X             | Terminal Angle (Side)           |         |
| 7   | LANGKD146WJFW | AC             |          | X             | Terminal Angle (Bottom)         |         |
| 8   | LANGKD821WJ3W | AF             |          | X             | Stand Fix Angle, x2             |         |
| 9   | LHLDWA124WJKZ | AC             |          | J             | Wire Holder, x2                 |         |
| 10  | LHLDWA175WJUJ | AC             |          | J             | Wire Holder                     |         |
| 11  | LHLDWA289WJKZ | AC             |          | J             | Wire Holder                     |         |
| 12  | LHLDZB951WJKZ | AD             |          | J             | Power Spacer, x2                |         |
| 13  | LX-BZA207WJF7 | AA             |          | J             | Screw, x47                      |         |
| 14  | NSFTZA459WJF7 | AC             |          | J             | Tray Shaft, x6                  |         |
| 15  | PSPAZC690WJZZ | AF             |          | J             | Gasket                          |         |
| 16  | PSPAZC691WJZZ | AE             |          | J             | Gasket                          |         |
| 17  | PSPAZC805WJKZ | AK             |          | J             | Cooler, x2                      |         |
| 18  | QCNW-N184WJZZ | AD             | N        | X             | Connecting Cord (FFC 64Pin), x2 |         |
| 19  | QCNW-N236WJZZ | AR             |          | X             | Connecting Cord (LW)            |         |
| 20  | QCNW-N675WJZZ | AD             |          | X             | Connecting Cord (FFC 80Pin), x2 |         |
| 21  | QCNW-N702WJZZ | AL             | N        | X             | Connecting Cord (PD/PL)         |         |
| 22  | RCORFA061WJZZ | AG             |          | J             | Ferrite Core, x4                |         |
| 23  | XBPS830P06WS0 | AA             |          | J             | Screw, x19                      |         |
| 24  | GCOVAE552WJ3A | AE             |          | X             | Bottom Cover (L)                |         |
| 25  | GCOVAE553WJ3A | AE             |          | X             | Bottom Cover (R)                |         |
| 26  | GCOVAE555WJ3A | AD             |          | X             | AC Cord Cover                   |         |
| 27  | HINDPF019WJZZ | AC             | N        | X             | Energy Guide Label              |         |
| 28  | HINDPF070WJSA | AC             | N        | X             | Model Label                     |         |
| 29  | JBTN-A985WJ3A | AC             | N        | X             | KEY Button                      |         |
| 30  | LHLDWA318WJKZ | AD             |          | J             | Cable Tie                       |         |
| 31  | LHLDZB989WJ3Z | AC             |          | X             | WiFi Holder                     |         |
| 32  | LX-BZA473WJN1 | AC             |          | J             | Plastic Screw, x2               |         |
| 33  | LX-EZA069WJF7 | AB             |          | J             | Screw, x2                       |         |
| 34  | QCNW-M030WJZZ | AE             |          | X             | Connecting Cord (SP)            |         |
| 35  | QCNW-N242WJZZ | AH             | N        | X             | Connecting Cord (RA)            |         |
| 36  | QCNW-N243WJZZ | AH             | N        | X             | Connecting Cord (UB)            |         |
| 37  | RSP-ZA615WJZZ | AY             |          | J             | Speaker Unit (L)                |         |
| 38  | RSP-ZA616WJZZ | AY             |          | J             | Speaker Unit (R)                |         |
| 40  | XEBS830P12000 | AA             |          | J             | Screw, x9                       |         |
| 41  | XEBS830P12WS0 | AB             |          | J             | Screw, x3                       |         |
| △   | 42            | QACCDAA084WJPZ | AG       |               | X                               | AC Cord |

[11] CABINET AND MECHANICAL PARTS (LC-70SQ10U)



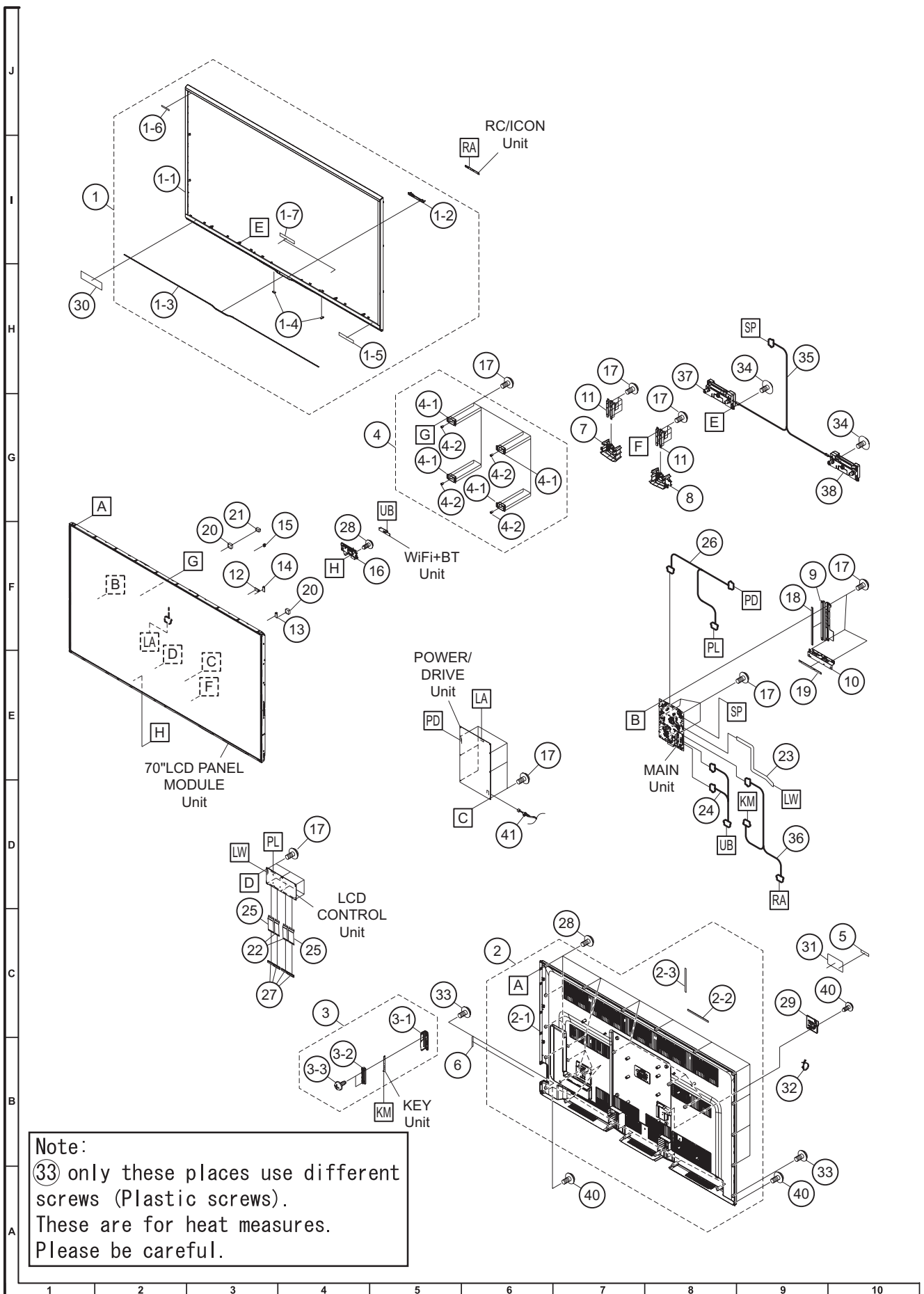
| NO.   | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                     |
|---|---------------|------------|----------|---------------|---------------------------------|
| <b>[11] CABINET AND MECHANICAL PARTS (LC-70SQ10U)</b> |               |            |          |               |                                 |
| 1   | CCABAD081WJ31 | BM         | N        | X             | Front Cabinet Ass'y             |
| 1-1   | Not Available | -          | N        | -             | Front Cabinet                   |
| 1-2   | Not Available | -          | N        | -             | R/C LED Decoration              |
| 1-3   | HDECSA116WJ3A | AR         | N        | X             | Shine Trim                      |
| 1-4   | LHLDWA175WJUJ | AC         |          | J             | Wire Holder, x2                 |
| 1-5   | TLABZD612WJ3C | AB         | N        | X             | Licence Label                   |
| 1-6   | TLABZE228WJ3C |            | N        | X             | QUATTRON Label                  |
| 1-7   | PSPAHB013WJZZ |            |          | X             | Himeron, x2                     |
| 2   | CCABBC177WJ33 | BK         | N        | X             | Rear Cabinet Ass'y              |
| 2-1   | Not Available | -          |          | -             | Rear Cabinet                    |
| 2-2   | Not Available | -          |          | -             | Terminal Label (Bottom)         |
| 2-3   | Not Available | -          | N        | -             | Terminal Label (Side)           |
| 3   | DCOVAE559WE01 | AK         |          | X             | KEY Unit Ass'y                  |
| 3-1   | Not Available | -          | N        | -             | KEY Button Cover                |
| 3-2   | JBTN-A937WJ3A | AZ         |          | J             | KEY Button                      |
| 3-3   | XEBS830P08000 | AA         |          | J             | Screw, x2                       |
| 4   | CANGKD824WJ31 | AE         | N        | X             | VESA Angle Ass'y, x4            |
| 4-1   | Not Available | -          | N        | -             | VESA Angle                      |
| 4-2   | Not Available | -          |          | -             | VESA Shaft                      |
| 5   | TLABNB037WJZZ | AB         |          | X             | Serial Label (Back)             |
| 6   | Not Available | -          | N        | -             | Serial Label (Side)             |
| 7   | GCOVAE557WJ3A | AE         |          | X             | Bottom Cover (L)                |
| 8   | GCOVAE558WJ3A | AE         |          | X             | Bottom Cover (R)                |
| 9   | LANGKD825WJ3W | AE         | N        | X             | Terminal Angle (side)           |
| 10  | LANGKD876WJ3W | AE         | N        | X             | Terminal Angle (Bottom)         |
| 11  | LANGKD884WJ3W | AF         | N        | X             | Stand Fix Angle, x2             |
| 12  | LHLDWA124WJKZ | AC         |          | J             | Wire Holder                     |
| 13  | LHLDWA175WJUJ | AC         |          | J             | Wire Holder                     |
| 14  | LHLDWA176WJUJ | AC         |          | J             | Wire Holder                     |
| 15  | LHLDWA289WJKZ | AC         |          | J             | Wire Holder                     |
| 16  | LHLDZB989WJ3Z | AC         |          | X             | WiFi Holder                     |
| 17  | LX-BZA207WJF7 | AA         |          | J             | Screw, x47                      |
| 18  | PSPAZC690WJZZ | AF         |          | J             | Gasket                          |
| 19  | PSPAZC691WJZZ | AE         |          | J             | Gasket                          |
| 20  | PSPAZC805WJKZ | AK         |          | J             | Cooler, x2                      |
| 21  | PSPAZC854WJKZ | AK         |          | J             | Cooler                          |
| 22  | QCNW-N184WJZZ | AD         | N        | X             | Connecting Cord (FFC 64Pin), x2 |
| 23  | QCNW-N241WJZZ | AT         |          | X             | Connecting Cord (LW)            |
| 24  | QCNW-N243WJZZ | AH         |          | X             | Connecting Cord (UB)            |
| 25  | QCNW-N675WJZZ | AD         |          | X             | Connecting Cord (FFC 80Pin), x2 |
| 26  | QCNW-N702WJZZ | AL         | N        | X             | Connecting Cord (PD/PL)         |
| 27  | RCORFA061WJZZ | AG         |          | J             | Ferrite Core, x4                |
| 28  | XBPS830P06WS0 | AA         |          | J             | Screw, x20                      |
| 29  | GCOVAE555WJ3A | AD         |          | X             | AC Cord Cover                   |
| 30  | HINDPF024WJZZ | AC         | N        | X             | Energy Guide Label              |
| 31  | HINDPF071WJSA | AC         | N        | X             | Model Label                     |
| 32  | LHLDWA318WJKZ | AD         |          | J             | Cable Tie                       |
| 33  | LX-BZA473WJN1 | AC         |          | J             | Plastic Screw, x2               |
| 34  | LX-EZA069WJF7 | AB         |          | J             | Screw, x2                       |
| 35  | QCNW-M030WJZZ | AE         |          | X             | Connecting Cord (SP)            |
| 36  | QCNW-N242WJZZ | AH         |          | X             | Connecting Cord (RA)            |
| 37  | RSP-ZA615WJZZ | AY         |          | J             | Speaker Unit (L)                |
| 38  | RSP-ZA616WJZZ | AY         |          | J             | Speaker Unit (R)                |
| 40  | XEBS830P12000 | AA         |          | J             | Screw, x10                      |
| △ 41  | QACDA084WJPZ  | AG         |          | X             | AC Cord                         |

[12] CABINET AND MECHANICAL PARTS (LC-60SQ15U)



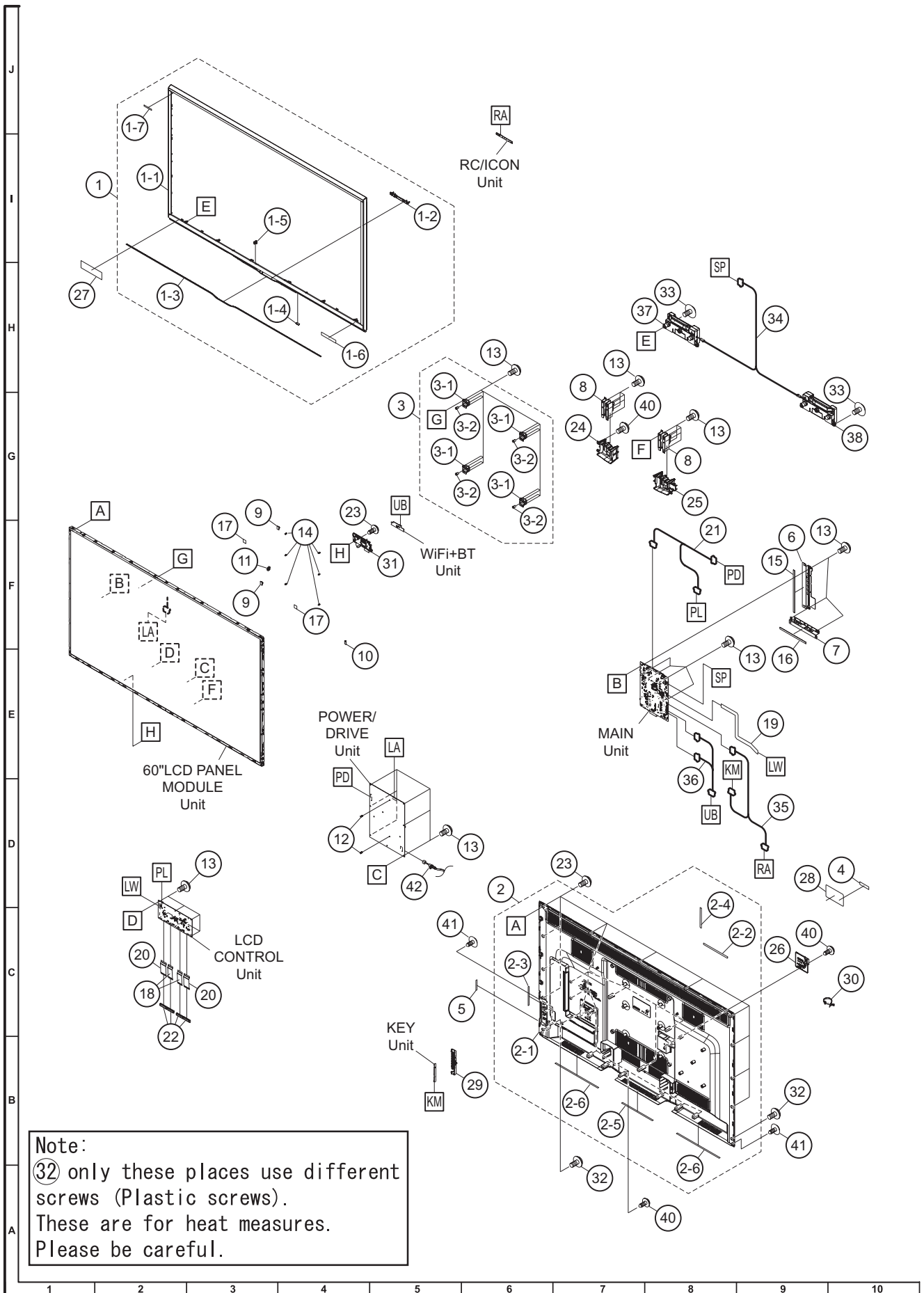
| NO.   | PARTS CODE    | PRICE RANK   | NEW MARK | PART DELIVERY | DESCRIPTION                     |         |
|---|---------------|--------------|----------|---------------|---------------------------------|---------|
| <b>[12] CABINET AND MECHANICAL PARTS (LC-60SQ15U)</b> |               |              |          |               |                                 |         |
| 1   | CCABAD080WJ31 | BL           | N        | X             | Front Cabinet Ass'y             |         |
| 1-1   | Not Available | -            | N        | -             | Front Cabinet                   |         |
| 1-2   | Not Available | -            | -        | -             | R/C LED Decoration              |         |
| 1-3   | HDECSA115WJ3A | AR           |          | X             | Shine Trim                      |         |
| 1-4   | LHLDWA175WJUJ | AC           |          | J             | Wire Holder                     |         |
| 1-5   | LHLDWA289WJKZ | AC           |          | J             | Wire Holder                     |         |
| 1-6   | TLABZD612WJ3C | AB           | N        | X             | Licence Label                   |         |
| 1-7   | TLABZE228WJSC |              | N        | X             | QUATTRON Label                  |         |
| 2   | CCABBC175WJ33 | BE           | N        | X             | Rear Cabinet Ass'y              |         |
| 2-1   | Not Available | -            | N        | -             | Rear Cabinet                    |         |
| 2-2   | Not Available | -            | N        | -             | Terminal Label (Bottom)         |         |
| 2-3   | Not Available | -            | -        | -             | KEY Indication                  |         |
| 2-4   | Not Available | -            | N        | -             | Terminal Label (side)           |         |
| 2-5   | PSPAHC682WJZZ | AB           |          | X             | Himeron                         |         |
| 2-6   | PSPAHC683WJZZ | AB           |          | X             | Himeron, x2                     |         |
| 3   | CANGKD823WJ31 | AE           |          | X             | VESA Angle Ass'y, x4            |         |
| 3-1   | Not Available | -            | N        | -             | VESA Angle                      |         |
| 3-2   | Not Available | -            | -        | -             | VESA Shaft                      |         |
| 4   | TLABNB037WJZZ | AB           |          | X             | Serial Label (Back)             |         |
| 5   | Not Available | -            | N        | -             | Serial Label (Side)             |         |
| 6   | LANGKD145WJFW | AD           |          | X             | Terminal Angle (Side)           |         |
| 7   | LANGKD146WJFW | AC           |          | X             | Terminal Angle (Bottom)         |         |
| 8   | LANGKD821WJ3W | AF           |          | X             | Stand Fix Angle, x2             |         |
| 9   | LHLDWA124WJKZ | AC           |          | J             | Wire Holder, x2                 |         |
| 10  | LHLDWA175WJUJ | AC           |          | J             | Wire Holder                     |         |
| 11  | LHLDWA289WJKZ | AC           |          | J             | Wire Holder                     |         |
| 12  | LHLDZB951WJKZ | AD           |          | J             | Power Spacer, x2                |         |
| 13  | LX-BZA207WJF7 | AA           |          | J             | Screw, x47                      |         |
| 14  | NSFTZA459WJF7 | AC           |          | J             | Tray Shaft, x6                  |         |
| 15  | PSPAZC690WJZZ | AF           |          | J             | Gasket                          |         |
| 16  | PSPAZC691WJZZ | AE           |          | J             | Gasket                          |         |
| 17  | PSPAZC805WJKZ | AK           |          | J             | Cooler, x2                      |         |
| 18  | QCNW-N184WJZZ | AD           | N        | X             | Connecting Cord (FFC 64Pin), x2 |         |
| 19  | QCNW-N236WJZZ | AR           |          | X             | Connecting Cord (LW)            |         |
| 20  | QCNW-N675WJZZ | AD           |          | X             | Connecting Cord (FFC 80Pin), x2 |         |
| 21  | QCNW-N702WJZZ | AL           | N        | X             | Connecting Cord (PD/PL)         |         |
| 22  | RCORFA061WJZZ | AG           |          | J             | Ferrite Core, x4                |         |
| 23  | XBPS830P06WS0 | AA           |          | J             | Screw, x19                      |         |
| 24  | GCOVAE552WJ3A | AE           |          | X             | Bottom Cover (L)                |         |
| 25  | GCOVAE553WJ3A | AE           |          | X             | Bottom Cover (R)                |         |
| 26  | GCOVAE555WJ3A | AD           |          | X             | AC Cord Cover                   |         |
| 27  | HINDPF019WJZZ | AC           | N        | X             | Energy Guide Label              |         |
| 28  | HINDPF018WJSA | AC           | N        | X             | Model Label                     |         |
| 29  | JBTN-A985WJ3A | AC           | N        | X             | KEY Button                      |         |
| 30  | LHLDWA318WJKZ | AD           |          | J             | Cable Tie                       |         |
| 31  | LHLDZB989WJ3Z | AC           |          | X             | WiFi Holder                     |         |
| 32  | LX-BZA473WJN1 | AC           |          | J             | Plastic Screw, x2               |         |
| 33  | LX-EZA069WJF7 | AB           |          | J             | Screw, x2                       |         |
| 34  | QCNW-M030WJZZ | AE           |          | X             | Connecting Cord (SP)            |         |
| 35  | QCNW-N242WJZZ | AH           | N        | X             | Connecting Cord (RA)            |         |
| 36  | QCNW-N243WJZZ | AH           | N        | X             | Connecting Cord (UB)            |         |
| 37  | RSP-ZA615WJZZ | AY           |          | J             | Speaker Unit (L)                |         |
| 38  | RSP-ZA616WJZZ | AY           |          | J             | Speaker Unit (R)                |         |
| 40  | XEBS830P12000 | AA           |          | J             | Screw, x9                       |         |
| 41  | XEBS830P12WS0 | AB           |          | J             | Screw, x3                       |         |
| △   | 42            | QACDA084WJPZ | AG       |               | X                               | AC Cord |

[13] CABINET AND MECHANICAL PARTS (LC-70SQ15U)



| NO.   | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                     |
|---|---------------|------------|----------|---------------|---------------------------------|
| <b>[13] CABINET AND MECHANICAL PARTS (LC-70SQ15U)</b> |               |            |          |               |                                 |
| 1   | CCABAD081WJ31 | BM         | N        | X             | Front Cabinet Ass'y             |
| 1-1   | Not Available | -          | N        | -             | Front Cabinet                   |
| 1-2   | Not Available | -          | N        | -             | R/C LED Decoration              |
| 1-3   | HDECSA116WJ3A | AR         | N        | X             | Shine Trim                      |
| 1-4   | LHLDWA175WJUJ | AC         |          | J             | Wire Holder, x2                 |
| 1-5   | TLABZD612WJ3C | AB         | N        | X             | Licence Label                   |
| 1-6   | TLABZE228WJ3C |            | N        | X             | QUATTRON Label                  |
| 1-7   | PSPAHB013WJZZ |            |          | X             | Himeron, x2                     |
| 2   | CCABBC177WJ33 | BK         | N        | X             | Rear Cabinet Ass'y              |
| 2-1   | Not Available | -          |          | -             | Rear Cabinet                    |
| 2-2   | Not Available | -          |          | -             | Terminal Label (Bottom)         |
| 2-3   | Not Available | -          | N        | -             | Terminal Label (Side)           |
| 3   | DCOVAE559WE01 | AK         |          | X             | KEY Unit Ass'y                  |
| 3-1   | Not Available | -          | N        | -             | KEY Button Cover                |
| 3-2   | JBTN-A937WJ3A | AZ         |          | J             | KEY Button                      |
| 3-3   | XEBS830P08000 | AA         |          | J             | Screw, x2                       |
| 4   | CANGKD824WJ31 | AE         | N        | X             | VESA Angle Ass'y, x4            |
| 4-1   | Not Available | -          | N        | -             | VESA Angle                      |
| 4-2   | Not Available | -          |          | -             | VESA Shaft                      |
| 5   | TLABNB037WJZZ | AB         |          | X             | Serial Label (Back)             |
| 6   | Not Available | -          | N        | -             | Serial Label (Side)             |
| 7   | GCOVAE557WJ3A | AE         |          | X             | Bottom Cover (L)                |
| 8   | GCOVAE558WJ3A | AE         |          | X             | Bottom Cover (R)                |
| 9   | LANGKD825WJ3W | AE         | N        | X             | Terminal Angle (side)           |
| 10  | LANGKD876WJ3W | AE         | N        | X             | Terminal Angle (Bottom)         |
| 11  | LANGKD884WJ3W | AF         | N        | X             | Stand Fix Angle, x2             |
| 12  | LHLDWA124WJKZ | AC         |          | J             | Wire Holder                     |
| 13  | LHLDWA175WJUJ | AC         |          | J             | Wire Holder                     |
| 14  | LHLDWA176WJUJ | AC         |          | J             | Wire Holder                     |
| 15  | LHLDWA289WJKZ | AC         |          | J             | Wire Holder                     |
| 16  | LHLDZB989WJ3Z | AC         |          | X             | WiFi Holder                     |
| 17  | LX-BZA207WJF7 | AA         |          | J             | Screw, x47                      |
| 18  | PSPAZC690WJZZ | AF         |          | J             | Gasket                          |
| 19  | PSPAZC691WJZZ | AE         |          | J             | Gasket                          |
| 20  | PSPAZC805WJKZ | AK         |          | J             | Cooler, x2                      |
| 21  | PSPAZC854WJKZ | AK         |          | J             | Cooler                          |
| 22  | QCNW-N184WJZZ | AD         | N        | X             | Connecting Cord (FFC 64Pin), x2 |
| 23  | QCNW-N241WJZZ | AT         |          | X             | Connecting Cord (LW)            |
| 24  | QCNW-N243WJZZ | AH         |          | X             | Connecting Cord (UB)            |
| 25  | QCNW-N675WJZZ | AD         |          | X             | Connecting Cord (FFC 80Pin), x2 |
| 26  | QCNW-N702WJZZ | AL         | N        | X             | Connecting Cord (PD/PL)         |
| 27  | RCORFA061WJZZ | AG         |          | J             | Ferrite Core, x4                |
| 28  | XBPS830P06WS0 | AA         |          | J             | Screw, x20                      |
| 29  | GCOVAE555WJ3A | AD         |          | X             | AC Cord Cover                   |
| 30  | HINDPF024WJZZ | AC         | N        | X             | Energy Guide Label              |
| 31  | HINDPF023WJSA | AC         | N        | X             | Model Label                     |
| 32  | LHLDWA318WJKZ | AD         |          | J             | Cable Tie                       |
| 33  | LX-BZA473WJN1 | AC         |          | J             | Plastic Screw, x2               |
| 34  | LX-EZA069WJF7 | AB         |          | J             | Screw, x2                       |
| 35  | QCNW-M030WJZZ | AE         |          | X             | Connecting Cord (SP)            |
| 36  | QCNW-N242WJZZ | AH         |          | X             | Connecting Cord (RA)            |
| 37  | RSP-ZA615WJZZ | AY         |          | J             | Speaker Unit (L)                |
| 38  | RSP-ZA616WJZZ | AY         |          | J             | Speaker Unit (R)                |
| 40  | XEBS830P12000 | AA         |          | J             | Screw, x10                      |
| △ 41  | QACDA084WJPZ  | AG         |          | X             | AC Cord                         |

[14] CABINET AND MECHANICAL PARTS (LC-60SQ17U)

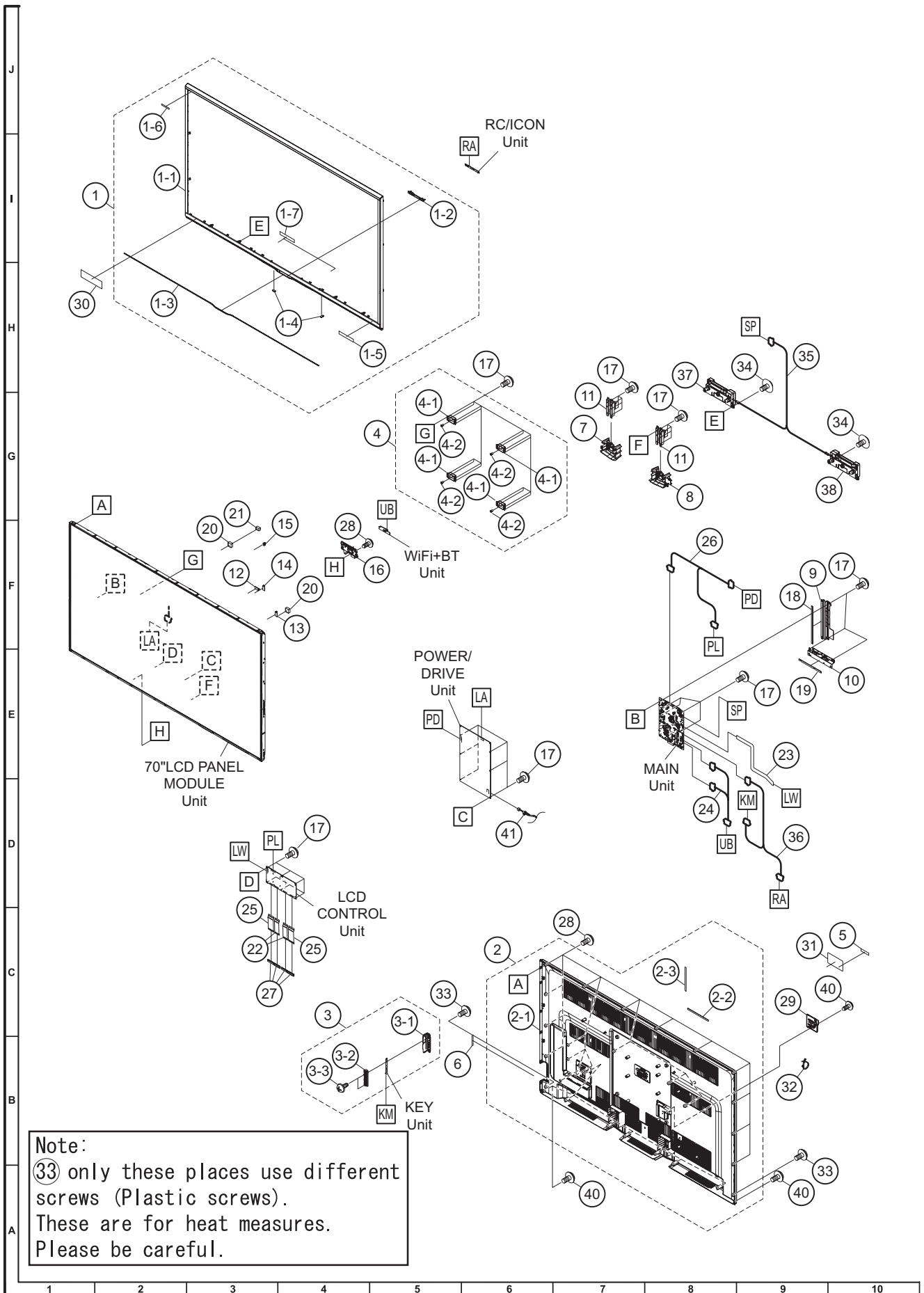


Note:  
 ③② only these places use different screws (Plastic screws).  
 These are for heat measures.  
 Please be careful.

| NO.   | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                     |
|---|---------------|------------|----------|---------------|---------------------------------|
| <b>[14] CABINET AND MECHANICAL PARTS (LC-60SQ17U)</b> |               |            |          |               |                                 |
| 1   | CCABAD080WJ31 | BL         |          | X             | Front Cabinet Ass'y             |
| 1-1   | Not Available | -          | N        | -             | Front Cabinet                   |
| 1-2   | Not Available | -          |          | -             | R/C LED Decoration              |
| 1-3   | HDECSA115WJ3A | AR         | N        | X             | Shine Trim                      |
| 1-4   | LHLDWA175WJUJ | AC         |          | J             | Wire Holder                     |
| 1-5   | LHLDWA289WJKZ | AC         |          | J             | Wire Holder                     |
| 1-6   | TLABZD612WJ3C | AB         | N        | X             | Licence Label                   |
| 1-7   | TLABZE228WJSC |            | N        | X             | QUATTRON Label                  |
| 2   | CCABBC175WJ33 | BE         | N        | X             | Rear Cabinet Ass'y              |
| 2-1   | Not Available | -          | N        | -             | Rear Cabinet                    |
| 2-2   | Not Available | -          | N        | -             | Terminal Label (Bottom)         |
| 2-3   | Not Available | -          |          | -             | KEY Indication                  |
| 2-4   | Not Available | -          | N        | -             | Terminal Label (Side)           |
| 2-5   | PSPAHC682WJZZ | AB         |          | X             | Himeron                         |
| 2-6   | PSPAHC683WJZZ | AB         |          | X             | Himeron, x2                     |
| 3   | CANGKD823WJ31 | AE         |          | X             | VESA Angle Ass'y, x4            |
| 3-1   | Not Available | -          | N        | -             | VESA Angle                      |
| 3-2   | Not Available | -          |          | -             | VESA Shaft                      |
| 4   | TLABNB037WJZZ | AB         |          | X             | Serial Label (Back)             |
| 5   | Not Available | -          | N        | -             | Serial Label (Side)             |
| 6   | LANGKD145WJFW | AD         |          | X             | Terminal Angle (side)           |
| 7   | LANGKD146WJFW | AC         |          | X             | Terminal Angle (Bottom)         |
| 8   | LANGKD821WJ3W | AF         |          | X             | Stand Fix Angle, x2             |
| 9   | LHLDWA124WJKZ | AC         |          | J             | Wire Holder, x2                 |
| 10  | LHLDWA175WJUJ | AC         |          | J             | Wire Holder                     |
| 11  | LHLDWA289WJKZ | AC         |          | J             | Wire Holder                     |
| 12  | LHLDZB951WJKZ | AD         |          | J             | Power Spacer, x2                |
| 13  | LX-BZA207WJF7 | AA         |          | J             | Screw, x47                      |
| 14  | NSFTZA459WJF7 | AC         |          | J             | Tray Shaft, x6                  |
| 15  | PSPAZC690WJZZ | AF         |          | J             | Gasket                          |
| 16  | PSPAZC691WJZZ | AE         |          | J             | Gasket                          |
| 17  | PSPAZC805WJKZ | AK         |          | J             | Cooler, x2                      |
| 18  | QCNW-N184WJZZ | AD         | N        | X             | Connecting Cord (FFC 64Pin), x2 |
| 19  | QCNW-N236WJZZ | AR         |          | X             | Connecting Cord (LW)            |
| 20  | QCNW-N675WJZZ | AD         |          | X             | Connecting Cord (FFC 80Pin), x2 |
| 21  | QCNW-N702WJZZ | AL         | N        | X             | Connecting Cord (PD/PL)         |
| 22  | RCORFA061WJZZ | AG         |          | J             | Ferrite Core, x4                |
| 23  | XBPS830P06WS0 | AA         |          | J             | Screw, x19                      |
| 24  | GCOVAE552WJ3A | AE         |          | X             | Bottom Cover (L)                |
| 25  | GCOVAE553WJ3A | AE         |          | X             | Bottom Cover (R)                |
| 26  | GCOVAE555WJ3A | AD         |          | X             | AC Cord Cover                   |
| 27  | HINDPF019WJZZ | AC         | N        | X             | Energy Guide Label              |
| 28  | HINDPF037WJSA | AC         | N        | X             | Model Label                     |
| 29  | JBTN-A985WJ3A | AC         | N        | X             | KEY Button                      |
| 30  | LHLDWA318WJKZ | AD         |          | J             | Cable Tie                       |
| 31  | LHLDZB989WJ3Z | AC         |          | X             | WiFi Holder                     |
| 32  | LX-BZA473WJN1 | AC         |          | J             | Plastic Screw, x2               |
| 33  | LX-EZA069WJF7 | AB         |          | J             | Screw, x2                       |
| 34  | QCNW-M030WJZZ | AE         |          | X             | Connecting Cord (SP)            |
| 35  | QCNW-N242WJZZ | AH         | N        | X             | Connecting Cord (RA)            |
| 36  | QCNW-N243WJZZ | AH         | N        | X             | Connecting Cord (UB)            |
| 37  | RSP-ZA615WJZZ | AY         |          | J             | Speaker Unit (L)                |
| 38  | RSP-ZA616WJZZ | AY         |          | J             | Speaker Unit (R)                |
| 40  | XEBS830P12000 | AA         |          | J             | Screw, x9                       |
| 41  | XEBS830P12WS0 | AB         |          | J             | Screw, x3                       |
| 42  | QACDA084WJPZ  | AG         |          | X             | AC Cord                         |

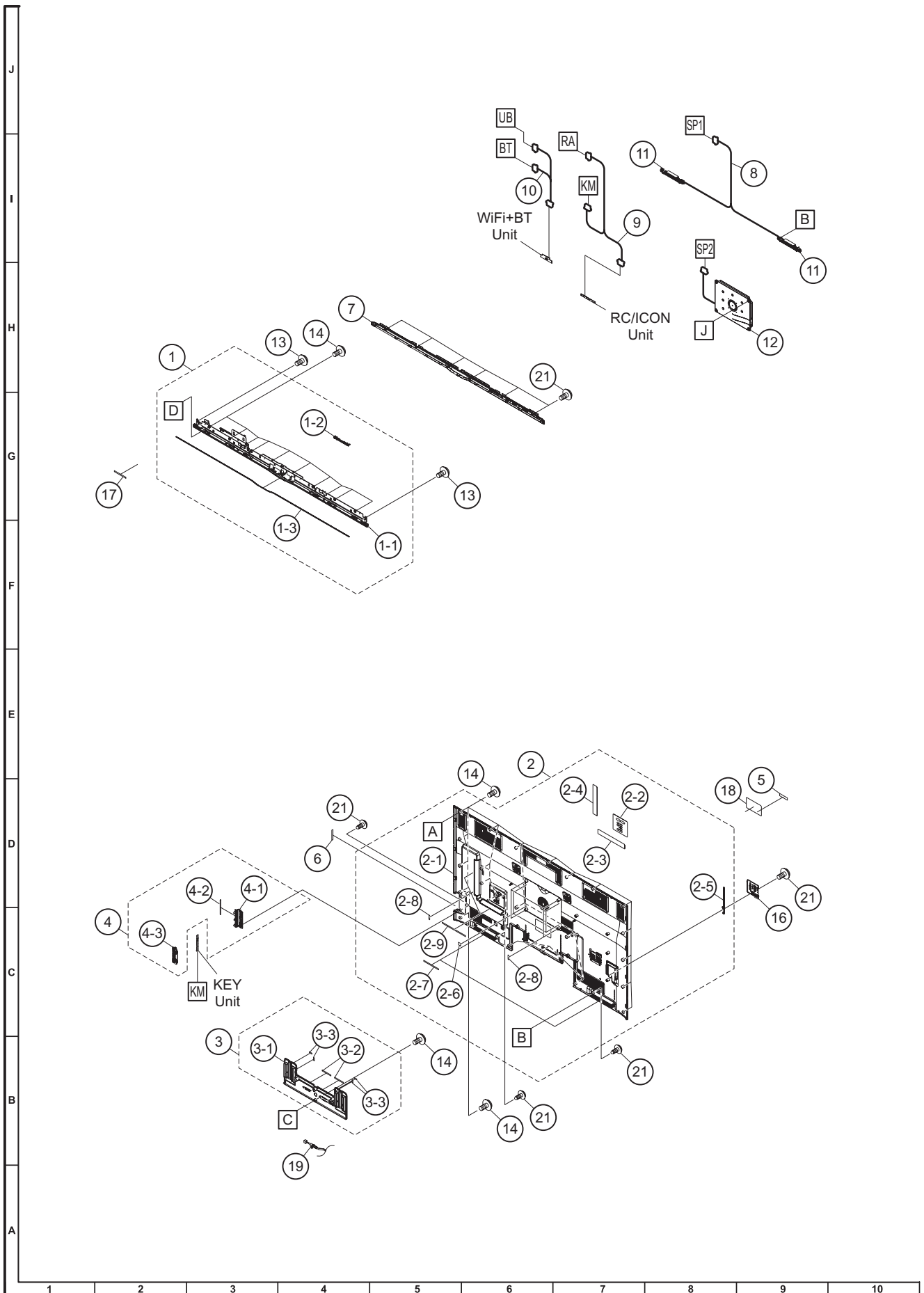
△

[15] CABINET AND MECHANICAL PARTS (LC-70SQ17U)



| NO.   | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                     |
|---|---------------|------------|----------|---------------|---------------------------------|
| <b>[15] CABINET AND MECHANICAL PARTS (LC-70SQ17U)</b> |               |            |          |               |                                 |
| 1   | CCABAD081WJ31 | BM         | N        | X             | Front Cabinet Ass'y             |
| 1-1   | Not Available | -          | N        | -             | Front Cabinet                   |
| 1-2   | Not Available | -          | N        | -             | R/C LED Decoration              |
| 1-3   | HDECSA116WJ3A | AR         | N        | X             | Shine Trim                      |
| 1-4   | LHLDWA175WJUJ | AC         |          | J             | Wire Holder, x2                 |
| 1-5   | TLABZD612WJ3C | AB         | N        | X             | Licence Label                   |
| 1-6   | TLABZE228WJ3C |            | N        | X             | QUATTRON Label                  |
| 1-7   | PSPAHB013WJZZ |            |          | X             | Himeron, x2                     |
| 2   | CCABBC177WJ33 | BK         | N        | X             | Rear Cabinet Ass'y              |
| 2-1   | Not Available | -          |          | -             | Rear Cabinet                    |
| 2-2   | Not Available | -          |          | -             | Terminal Label (Bottom)         |
| 2-3   | Not Available | -          | N        | -             | Terminal Label (Side)           |
| 3   | DCOVAE559WE01 | AK         |          | X             | KEY Unit Ass'y                  |
| 3-1   | Not Available | -          | N        | -             | KEY Button Cover                |
| 3-2   | JBTN-A937WJ3A | AZ         |          | J             | KEY Button                      |
| 3-3   | XEBS830P08000 | AA         |          | J             | Screw, x2                       |
| 4   | CANGKD824WJ31 | AE         | N        | X             | VESA Angle Ass'y, x4            |
| 4-1   | Not Available | -          | N        | -             | VESA Angle                      |
| 4-2   | Not Available | -          |          | -             | VESA Shaft                      |
| 5   | TLABNB037WJZZ | AB         |          | X             | Serial Label (Back)             |
| 6   | Not Available | -          | N        | -             | Serial Label (Side)             |
| 7   | GCOVAE557WJ3A | AE         |          | X             | Bottom Cover (L)                |
| 8   | GCOVAE558WJ3A | AE         |          | X             | Bottom Cover (R)                |
| 9   | LANGKD825WJ3W | AE         | N        | X             | Terminal Angle (side)           |
| 10  | LANGKD876WJ3W | AE         | N        | X             | Terminal Angle (Bottom)         |
| 11  | LANGKD884WJ3W | AF         | N        | X             | Stand Fix Angle, x2             |
| 12  | LHLDWA124WJKZ | AC         |          | J             | Wire Holder                     |
| 13  | LHLDWA175WJUJ | AC         |          | J             | Wire Holder                     |
| 14  | LHLDWA176WJUJ | AC         |          | J             | Wire Holder                     |
| 15  | LHLDWA289WJKZ | AC         |          | J             | Wire Holder                     |
| 16  | LHLDZB989WJ3Z | AC         |          | X             | WiFi Holder                     |
| 17  | LX-BZA207WJF7 | AA         |          | J             | Screw, x47                      |
| 18  | PSPAZC690WJZZ | AF         |          | J             | Gasket                          |
| 19  | PSPAZC691WJZZ | AE         |          | J             | Gasket                          |
| 20  | PSPAZC805WJKZ | AK         |          | J             | Cooler, x2                      |
| 21  | PSPAZC854WJKZ | AK         |          | J             | Cooler                          |
| 22  | QCNW-N184WJZZ | AD         | N        | X             | Connecting Cord (FFC 64Pin), x2 |
| 23  | QCNW-N241WJZZ | AT         |          | X             | Connecting Cord (LW)            |
| 24  | QCNW-N243WJZZ | AH         |          | X             | Connecting Cord (UB)            |
| 25  | QCNW-N675WJZZ | AD         |          | X             | Connecting Cord (FFC 80Pin), x2 |
| 26  | QCNW-N702WJZZ | AL         | N        | X             | Connecting Cord (PD/PL)         |
| 27  | RCORFA061WJZZ | AG         |          | J             | Ferrite Core, x4                |
| 28  | XBPS830P06WS0 | AA         |          | J             | Screw, x20                      |
| 29  | GCOVAE555WJ3A | AD         |          | X             | AC Cord Cover                   |
| 30  | HINDPF024WJZZ | AC         | N        | X             | Energy Guide Label              |
| 31  | HINDPF035WJSA | AC         | N        | X             | Model Label                     |
| 32  | LHLDWA318WJKZ | AD         |          | J             | Cable Tie                       |
| 33  | LX-BZA473WJN1 | AC         |          | J             | Plastic Screw, x2               |
| 34  | LX-EZA069WJF7 | AB         |          | J             | Screw, x2                       |
| 35  | QCNW-M030WJZZ | AE         |          | X             | Connecting Cord (SP)            |
| 36  | QCNW-N242WJZZ | AH         |          | X             | Connecting Cord (RA)            |
| 37  | RSP-ZA615WJZZ | AY         |          | J             | Speaker Unit (L)                |
| 38  | RSP-ZA616WJZZ | AY         |          | J             | Speaker Unit (R)                |
| 40  | XEBS830P12000 | AA         |          | J             | Screw, x10                      |
| △ 41  | QACDA084WJPZ  | AG         |          | X             | AC Cord                         |

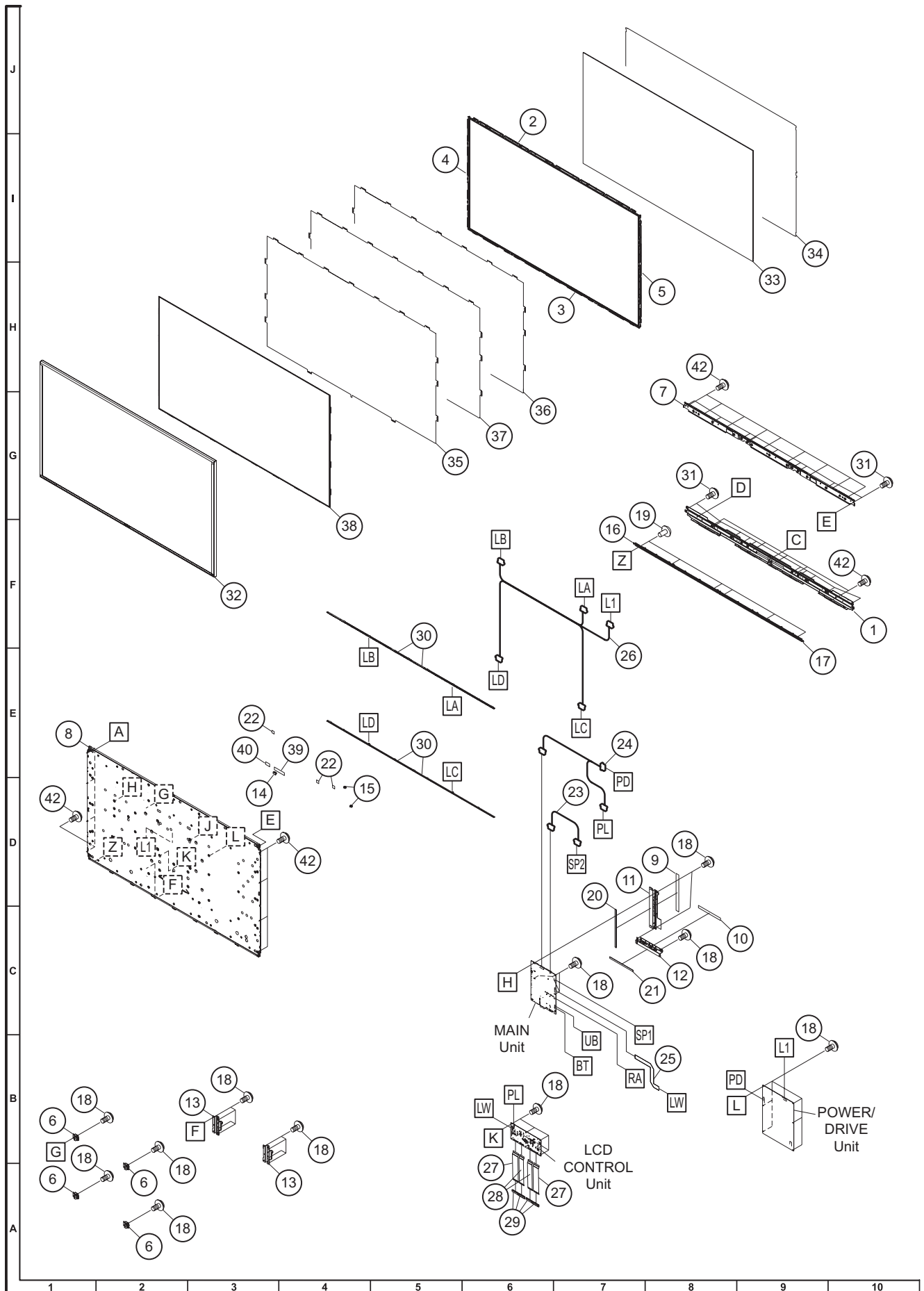
[16] CABINET AND MECHANICAL PARTS-1 (LC-60TQ15U)



| NO.   | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION             |
|---|---------------|------------|----------|---------------|-------------------------|
| <b>[16] CABINET AND MECHANICAL PARTS-1 (LC-60TQ15U)</b> |               |            |          |               |                         |
| 1   | CCOVAE786WJ31 | AY         | N        | X             | Front Cover Ass'y       |
| 1-1   | Not Available | -          | N        | -             | Front Cover             |
| 1-2   | Not Available | -          | N        | -             | LED Decoration          |
| 1-3   | HDECSA105WJSA | AP         |          | X             | Shine Trim              |
| 2   | CCABBC194WJ33 | BF         | N        | X             | Rear Cabinet Ass'y      |
| 2-1   | Not Available | -          |          | -             | Rear Cabinet            |
| 2-2   | Not Available | -          |          | -             | Terminal Label (Back)   |
| 2-3   | Not Available | -          |          | -             | Terminal Label (Bottom) |
| 2-4   | Not Available | -          | N        | -             | Terminal Label (Side)   |
| 2-5   | LHLDWA318WJKZ | AD         |          | J             | Cable Clamp             |
| 2-6   | Not Available | -          | N        | -             | Spacer, x4              |
| 2-7   | PSPAHB013WJZZ | AB         |          | J             | Himeron, x2             |
| 2-8   | PSPAHB356WJZZ | AB         |          | J             | Himeron, x5             |
| 2-9   | Not Available | -          |          | -             | Himeron, x2             |
| 3   | CCOVAE589WJ31 | AP         |          | X             | Bottom Cover Ass'y      |
| 3-1   | Not Available | -          | N        | -             | Bottom Cover            |
| 3-2   | PSPAHB013WJZZ | AB         |          | J             | Himeron, x2             |
| 3-3   | Not Available | -          |          | -             | Himeron, X4             |
| 4   | CCOVAE513WJ31 | AF         | N        | X             | KEY Cover Ass'y         |
| 4-1   | Not Available | -          | N        | -             | KEY Cover               |
| 4-2   | Not Available | -          |          | -             | Operation Label         |
| 4-3   | JBTN-A984WJ3A | AC         | N        | X             | KEY Button              |
| 5   | TLABNB037WJZZ | AB         |          | X             | Serial Label (Back)     |
| 6   | Not Available | -          | N        | -             | Serial Label (Side)     |
| 7   | GCOVAE789WJ3A | AQ         | N        | X             | Decoration Cover (Rear) |
| 8   | QCNW-M373WJQZ | AG         |          | X             | Connecting Cord (SP1)   |
| 9   | QCNW-N242WJZZ | AH         | N        | X             | Connecting Cord (RA)    |
| 10  | QCNW-N243WJZZ | AH         | N        | X             | Connecting Cord (UB)    |
| 11  | RSP-ZA572WJZZ | AT         |          | J             | Speaker Unit, x2 (L/R)  |
| 12  | RSP-ZA575WJZZ | BB         |          | J             | Speaker Unit (Woofer)   |
| 13  | XBPS730P10WS0 | AA         |          | J             | Screw, x2               |
| 14  | XBPS830P06WS0 | AA         |          | J             | Screw, x34              |
| 16  | GCOVAE555WJ3A | AD         |          | X             | AC Cord Cover           |
| 17  | HINDPF019WJZZ | AC         | N        | X             | Energy Guide Label      |
| 18  | HINDPF074WJ3A | AC         | N        | X             | Model Label             |
| 19  | QACDA084WJPZ  | AG         |          | X             | AC Cord                 |
| 21  | XEBS830P12000 | AA         |          | J             | Screw, x12              |

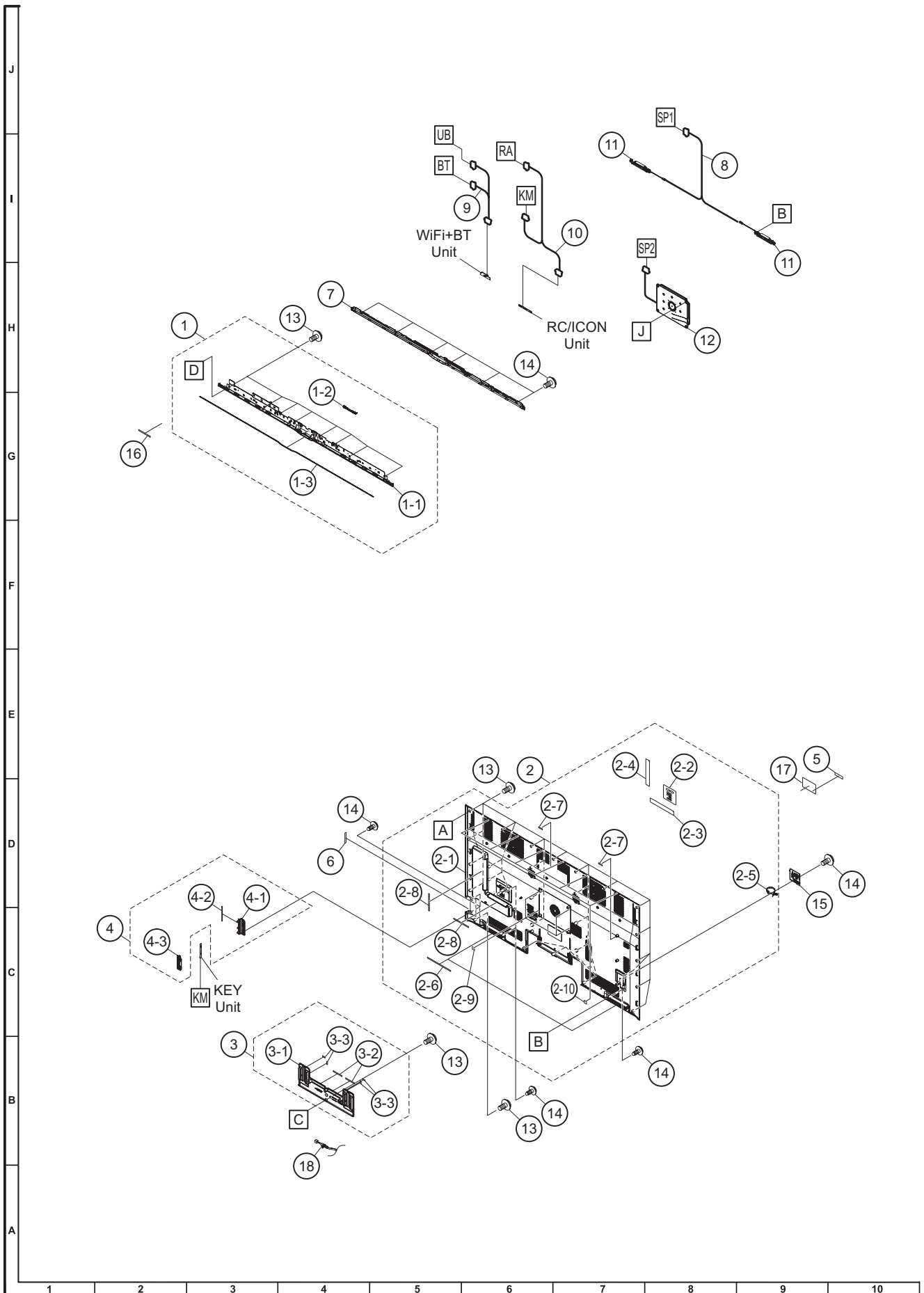
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[17] CABINET AND MECHANICAL PARTS-2 (LC-60TQ15U)



| NO.   | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                     |
|---|----------------|------------|----------|---------------|---------------------------------|
| <b>[17] CABINET AND MECHANICAL PARTS-2 (LC-60TQ15U)</b> |                |            |          |               |                                 |
| 1   | CANGKD790WJ31  | AW         |          | X             | BL Support Angle Ass'y (Bottom) |
| 2   | CHLDZB965WJ33  | AQ         | N        | X             | P-Chassis Unit (Top)            |
| 3   | CHLDZB966WJ33  | AQ         | N        | X             | P-Chassis Unit (Bottom)         |
| 4   | CHLDZB967WJ33  | AN         | N        | X             | P-Chassis Unit (Left)           |
| 5   | CHLDZB968WJ33  | AN         | N        | X             | P-Chassis Unit (Right)          |
| 6   | CANGKD506WJ31  | AD         |          | X             | VESA Angle Ass'y, x4            |
| 7   | CANGKD933WJ31  | AS         |          | X             | BL Support Angle Ass'y (Top)    |
| 8   | CCHSMA706WJ34  | BT         | N        | X             | BL Chassis Unit Ass'y           |
| 9   | HDECPA090WJZZ  | AC         |          | X             | Decoration Sheet (Side)         |
| 10  | HDECPA091WJZZ  | AB         |          | X             | Decoration Sheet (Bottom)       |
| 11  | LANGKD145WJFW  | AD         |          | X             | Terminal Angle (Side)           |
| 12  | LANGKD146WJFW  | AC         |          | X             | Terminal Angle (Bottom)         |
| 13  | LANGKD759WJ3W  | AF         |          | X             | Stand Fix Angle, x2             |
| 14  | LHLDWA124WJKZ  | AC         |          | J             | Wire Holder                     |
| 15  | LHLDWA289WJKZ  | AC         |          | J             | Wire Holder, x2                 |
| 16  | LHLDZB981WJ3Z  | AE         |          | X             | S-PWB Holder (Left)             |
| 17  | LHLDZB985WJ3Z  | AE         |          | X             | S-PWB Holder (Right)            |
| 18  | LX-BZA207WJF7  | AA         |          | J             | Screw, x31                      |
| 19  | LX-LZ0003TPZZ  | AC         |          | J             | Rivet, x6                       |
| 20  | PSPAZC690WJZZ  | AF         |          | J             | Gasket                          |
| 21  | PSPAZC691WJZZ  | AE         |          | J             | Gasket                          |
| 22  | PSPAZC805WJKZ  | AK         |          | J             | Cooler, x3                      |
| 23  | QCNW-M534WJZZ  | AG         |          | J             | Connecting Cord (SP2)           |
| 24  | QCNW-M540WJZZ  | AN         | N        | X             | Connecting Cord (PD/PL)         |
| 25  | QCNW-M854WJPPZ | AX         |          | J             | Connecting Cord (LW)            |
| 26  | QCNW-N074WJQZ  | AP         |          | J             | Connecting Cord (L1)            |
| 27  | QCNW-N676WJZZ  | AE         |          | X             | Connecting Cord (FFC 80p), x2   |
| 28  | QCNW-N677WJZZ  | AE         |          | X             | Connecting Cord (FFC 64p), x2   |
| 29  | RCORFA061WJZZ  | AG         |          | J             | Ferrite Core, x4                |
| 30  | RUNTKB075WJZZ  | BB         |          | J             | LED Unit, x4                    |
| 31  | XBPS830P06WS0  | AA         |          | J             | Screw, x19                      |
| 32  | DWAKMA031WE37  | BY         | N        | X             | Aluminum Frame Ass'y            |
| 33  | PGiDMA088WJZZ  | BH         | N        | X             | LGP                             |
| 34  | PMiR-A360WJ3A  | AX         | N        | X             | Reflector Sheet                 |
| 35  | PSHEPB245WJ3A  | AY         |          | X             | Diffuser                        |
| 36  | PSHEPB249WJZZ  | AZ         |          | J             | Lens Sheet                      |
| 37  | PSHEPB359WJZZ  | AW         | N        | X             | Lens Sheet                      |
| 38  | R1JE600D3HD6AZ |            | N        | X             | 60" LCD PANEL Unit              |
| 39  | TLABN2229TPZZ  | AA         |          | J             | MODULE Label                    |
| 40  | TLABN3860TPZZ  | AA         |          | X             | BL Label                        |
| 42  | XBPS830P08000  | AA         |          | J             | Screw, x22                      |

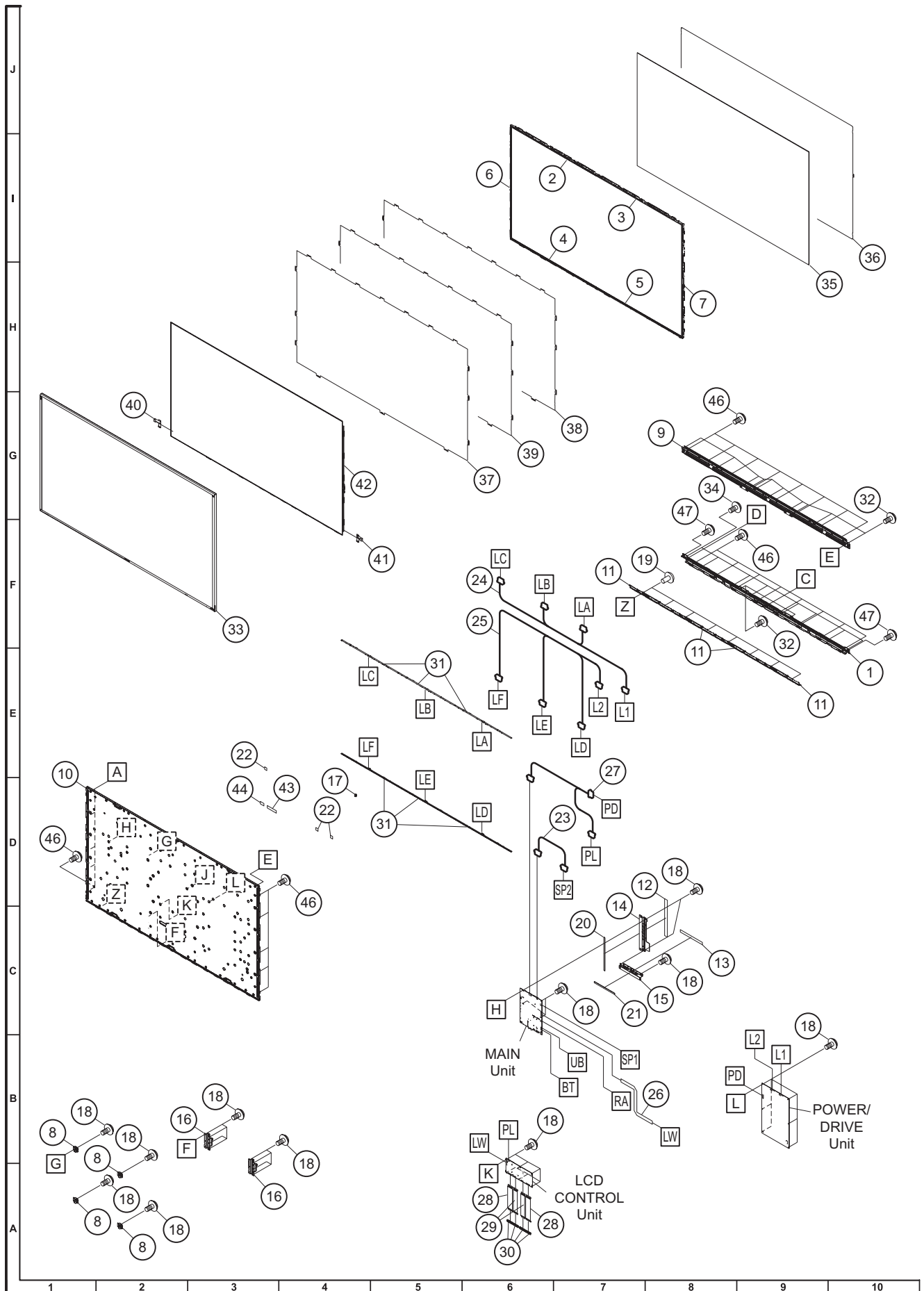
[18] CABINET AND MECHANICAL PARTS-1 (LC-70TQ15U)



| NO.   | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION             |
|---|---------------|------------|----------|---------------|-------------------------|
| <b>[18] CABINET AND MECHANICAL PARTS-1 (LC-70TQ15U)</b> |               |            |          |               |                         |
| 1   | CCOVAE787WJ31 | AY         | N        | X             | Front Cover Ass'y       |
| 1-1   | Not Available | -          | N        | -             | Front Cover             |
| 1-2   | Not Available | -          | N        | -             | LED Decoration          |
| 1-3   | HDECSA106WJSA | -          | N        | X             | Shine Trim              |
| 2   | CCABBC195WJ33 | BK         | N        | X             | Rear Cabinet Ass'y      |
| 2-1   | Not Available | -          | -        | -             | Rear Cabinet            |
| 2-2   | Not Available | -          | -        | -             | Terminal Label (Back)   |
| 2-3   | Not Available | -          | -        | -             | Terminal Label (Bottom) |
| 2-4   | Not Available | -          | N        | -             | Terminal Label (Side)   |
| 2-5   | LHLDWA318WJKZ | AD         | -        | -             | Cable Clamp             |
| 2-6   | PSPAHB013WJZZ | AB         | -        | J             | Himeron, x2             |
| 2-7   | PSPAHB356WJZZ | AB         | -        | J             | Himeron, x2             |
| 2-8   | Not Available | -          | -        | -             | Himeron, x2             |
| 2-9   | Not Available | -          | -        | -             | Spacer, x4              |
| 2-10  | Not Available | -          | -        | -             | Himeron, x6             |
| 3   | CCOVAE589WJ31 | AP         | -        | X             | Bottom Cover Ass'y      |
| 3-1   | Not Available | -          | N        | -             | Bottom Cover            |
| 3-2   | PSPAHB013WJZZ | AB         | -        | J             | Himeron, x2             |
| 3-3   | Not Available | -          | -        | -             | Himeron, x4             |
| 4   | CCOVAE513WJ31 | AF         | N        | X             | KEY Cover Ass'y         |
| 4-1   | Not Available | -          | N        | -             | KEY Cover               |
| 4-2   | Not Available | -          | -        | -             | Operation Label         |
| 4-3   | JBTN-A984WJ3A | AC         | N        | X             | KEY Button              |
| 5   | TLABNB037WJZZ | AB         | -        | X             | Serial Label (Back)     |
| 6   | Not Available | -          | N        | -             | Serial Label (Side)     |
| 7   | GCOVAE790WJ3A | AQ         | N        | X             | Decoration Cover (Rear) |
| 8   | QCNW-M373WJQZ | AG         | -        | X             | Connecting Cord (SP1)   |
| 9   | QCNW-N243WJZZ | AH         | N        | X             | Connecting Cord (WB)    |
| 10  | QCNW-N332WJZZ | AK         | N        | X             | Connecting Cord (RA)    |
| 11  | RSP-ZA572WJZZ | AT         | -        | J             | Speaker Unit, x2 (L/R)  |
| 12  | RSP-ZA575WJZZ | BB         | -        | J             | Speaker Unit (Woofer)   |
| 13  | XBPS830P06WS0 | AA         | -        | J             | Screw, x37              |
| 14  | XEBS830P12000 | AA         | -        | J             | Screw, x12              |
| 15  | GCOVAE555WJ3A | AD         | -        | X             | AC Cord Cover           |
| 16  | HINDPF024WJZZ | AC         | N        | X             | Energy Guide Label      |
| 17  | HINDPF075WJ3A | AC         | N        | X             | Model Label             |
| 18  | QACDA084WJPZ  | AG         | -        | X             | AC Cord                 |

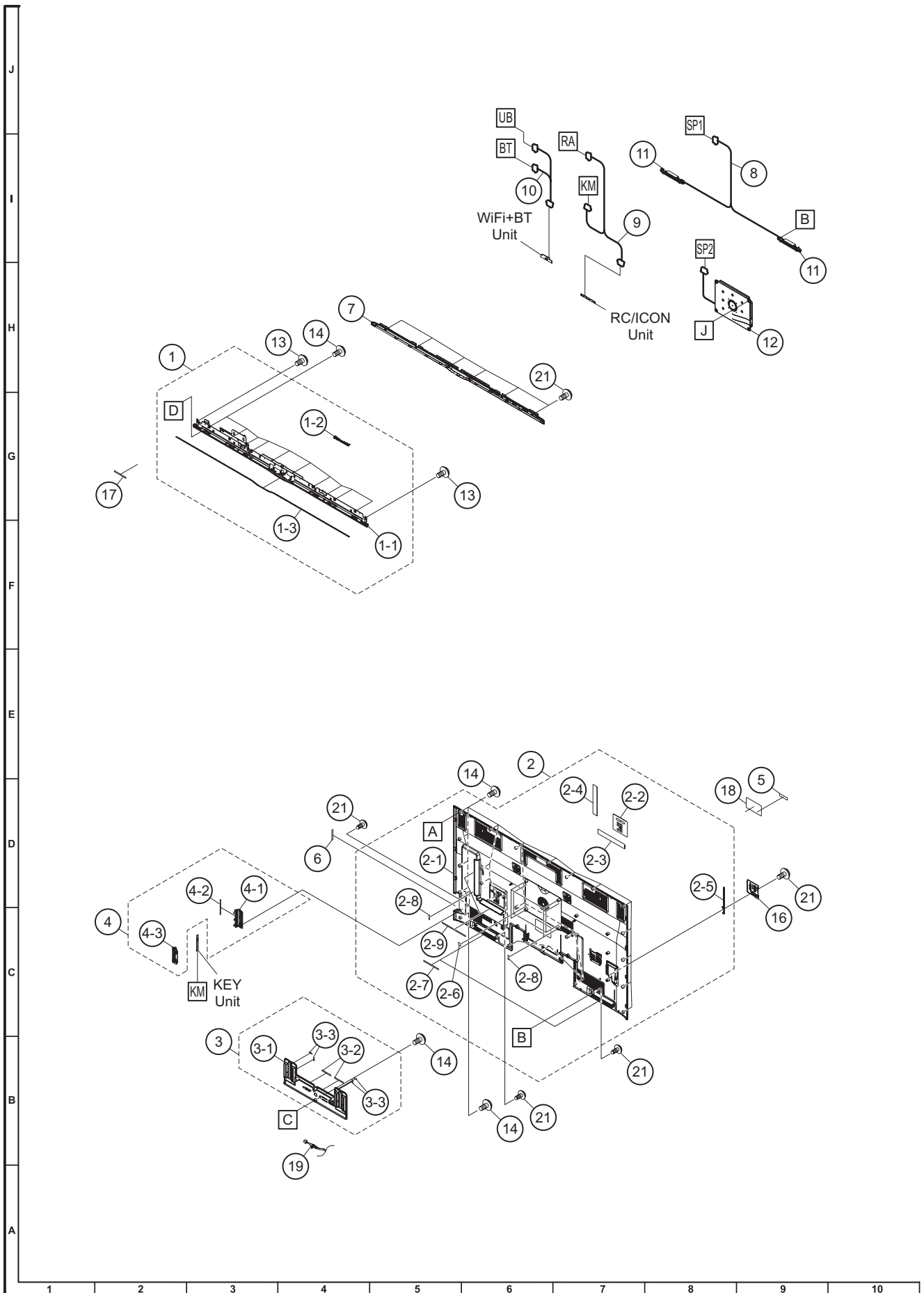
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[19] CABINET AND MECHANICAL PARTS-2 (LC-70TQ15U)



| NO.   | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                   |
|---|----------------|------------|----------|---------------|-------------------------------|
| <b>[19] CABINET AND MECHANICAL PARTS-2 (LC-70TQ15U)</b> |                |            |          |               |                               |
| 1   | CANGKD762WJ31  | AX         |          | X             | Support Angle Ass'y (Bottom)  |
| 2   | CHLDZB969WJ33  | AN         | N        | X             | P-Chassis Unit (Top-Left)     |
| 3   | CHLDZB970WJ33  | AN         | N        | X             | P-Chassis Unit (Top-Right)    |
| 4   | CHLDZB971WJ33  | AN         | N        | X             | P-Chassis Unit (Bottom-Left)  |
| 5   | CHLDZB972WJ33  | AN         | N        | X             | P-Chassis Unit (Bottom-Right) |
| 6   | CHLDZB973WJ33  | AN         | N        | X             | P-Chassis Unit (Left)         |
| 7   | CHLDZB974WJ33  | AN         | N        | X             | P-Chassis Unit (Right)        |
| 8   | CANGKD506WJ31  | AD         |          | X             | VESA Angle Ass'y, x4          |
| 9   | CANGKD761WJ31  | AV         |          | X             | Support Angle Ass'y (Top)     |
| 10  | CCHSMA676WJ38  | BW         | N        | X             | BL Chassis Unit Ass'y         |
| 11  | CHLDZB982WJ31  | AE         |          | X             | S-PWB Holder Ass'y, x4        |
| 12  | HDECPA090WJZZ  | AC         |          | X             | Decoration Sheet (Side)       |
| 13  | HDECPA091WJZZ  | AB         |          | X             | Decoration Sheet (Bottom)     |
| 14  | LANGKD145WJFW  | AD         |          | X             | Terminal Angle (Side)         |
| 15  | LANGKD146WJFW  | AC         |          | X             | Terminal Angle (Bottom)       |
| 16  | LANGKD759WJ3W  | AF         |          | X             | Stand Fix Angle, x2           |
| 17  | LHLDWA289WJKZ  | AC         |          | J             | Wire Holder                   |
| 18  | LX-BZA207WJF7  | AA         |          | J             | Screw, x31                    |
| 19  | LX-LZ0003TPZZ  | AC         |          | J             | Rivet, x8                     |
| 20  | PSPA ZC690WJZZ | AF         |          | J             | Gasket                        |
| 21  | PSPA ZC691WJZZ | AE         |          | J             | Gasket                        |
| 22  | PSPA ZC805WJKZ | AK         |          | J             | Cooler, x3                    |
| 23  | QCNW-M534WJZZ  | AG         |          | J             | Connecting Cord (SP2)         |
| 24  | QCNW-N075WJQZ  | AM         |          | J             | Connecting Cord (L1)          |
| 25  | QCNW-N076WJQZ  | AN         |          | J             | Connecting Cord (L2)          |
| 26  | QCNW-N241WJZZ  | AT         |          | X             | Connecting Cord (LW)          |
| 27  | QCNW-N254WJZZ  | AQ         |          | X             | Connecting Cord (PD)          |
| 28  | QCNW-N676WJZZ  | AE         |          | X             | Connecting Cord (FFC 80p), x2 |
| 29  | QCNW-N677WJZZ  | AE         |          | X             | Connecting Cord (FFC 64p), x2 |
| 30  | RCORFA061WJZZ  | AG         |          | J             | Ferrite Core, x4              |
| 31  | RUNTKB077WJZZ  | BA         |          | J             | LED Unit, 6                   |
| 32  | XBPS830P06WS0  | AA         |          | J             | Screw, x12                    |
| 33  | DWAKMA035WE38  | BY         | N        | X             | Aluminum Frame Ass'y          |
| 34  | LX-BZA202WJF8  | AA         |          | J             | Screw, x8                     |
| 35  | PGIDMA089WJZZ  | BU         | N        | X             | LGP                           |
| 36  | PMIR-A362WJ3A  | AZ         | N        | X             | Reflector                     |
| 37  | PSHEPB250WJ3A  | BB         |          | X             | Diffuser                      |
| 38  | PSHEPB252WJZZ  | BC         |          | J             | Lens Sheet                    |
| 39  | PSHEPB360WJZZ  | AZ         | N        | X             | Lens Sheet                    |
| 40  | QCNW-N118WJZZ  | AD         |          | X             | SG-FFC (Left)                 |
| 41  | QCNW-N119WJZZ  | AD         |          | X             | SG-FFC (Right)                |
| 42  | R1JE695D3HB1AV |            | N        | X             | 70" LCD PANEL Unit            |
| 43  | TLABN2229TPZZ  | AA         |          | J             | MODULE Label                  |
| 44  | TLABN3860TPZZ  | AA         |          | X             | BL Label                      |
| 46  | XBPS830P08000  | AA         |          | J             | Screw, x26                    |
| 47  | XBSS730P06000  | AA         |          | J             | Screw, x2                     |

[20] CABINET AND MECHANICAL PARTS-1 (LC-60UQ17U)



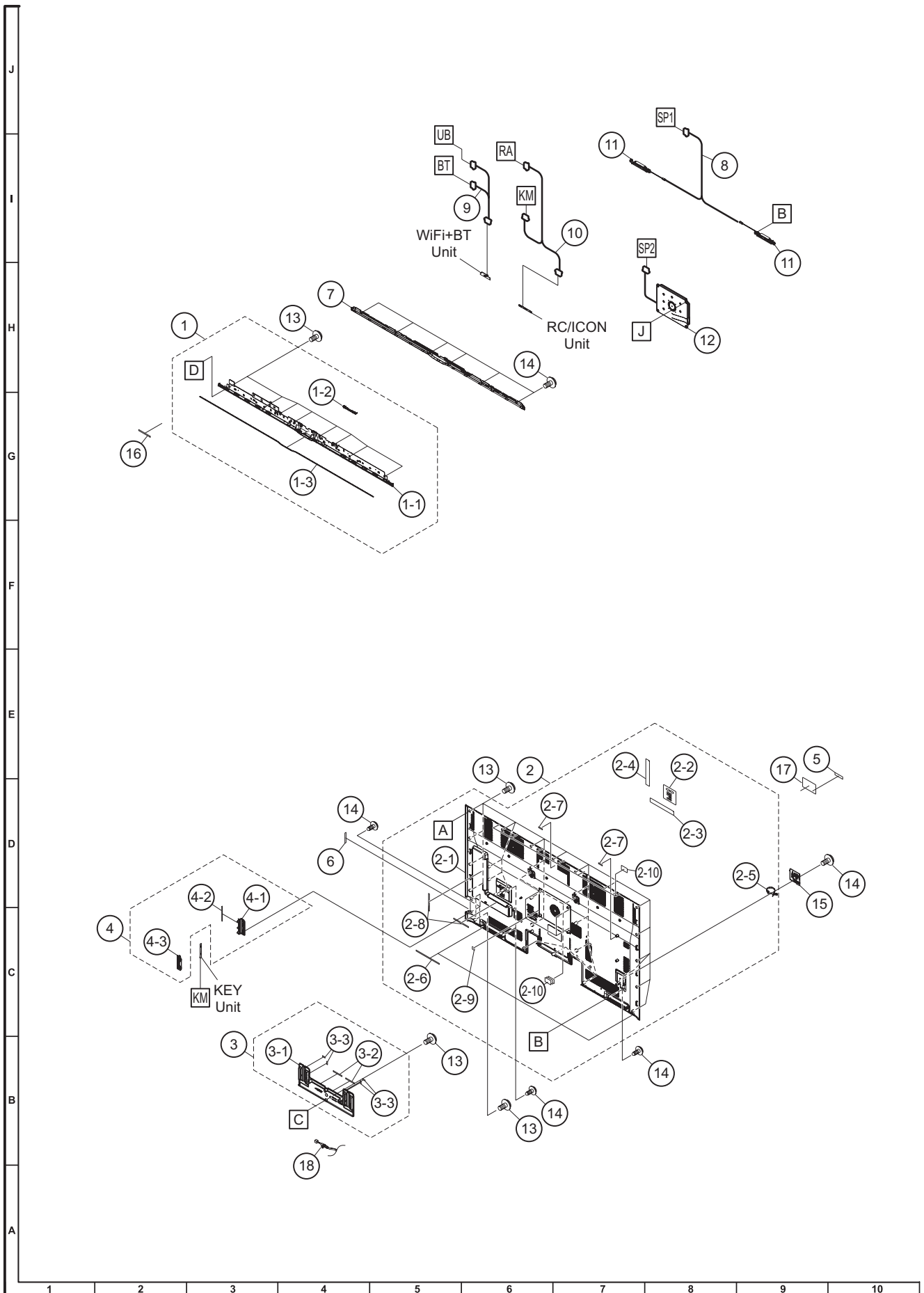
| NO.   | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION             |
|---|---------------|------------|----------|---------------|-------------------------|
| <b>[20] CABINET AND MECHANICAL PARTS-1 (LC-60UQ17U)</b> |               |            |          |               |                         |
| 1   | CCOVAE786WJ31 | AY         | N        | X             | Front Cover Ass'y       |
| 1-1   | Not Available | -          | N        | -             | Front Cover             |
| 1-2   | Not Available | -          | N        | -             | LED Decration           |
| 1-3   | HDECSA105WJSA | AP         |          | X             | ShineTrim               |
| 2   | CCABBC194WJ33 | BF         | N        | X             | Rear Cabinet Ass'y      |
| 2-1   | Not Available | -          |          | -             | Rear Cabinet            |
| 2-2   | Not Available | -          |          | -             | Terminal Label (Back)   |
| 2-3   | Not Available | -          |          | -             | Terminal Label (Bottom) |
| 2-4   | Not Available | -          | N        | -             | Terminal Label (Side)   |
| 2-5   | LHLDWA318WJKZ | AD         |          | J             | Cable Clamp             |
| 2-6   | Not Available | -          | N        | -             | Himeron, x4             |
| 2-7   | PSPAHB013WJZZ | AB         |          | J             | Himeron, x2             |
| 2-8   | PSPAHB356WJZZ | AB         |          | J             | Himeron, x5             |
| 2-9   | Not Available | -          |          | -             | Himeron, x2             |
| 3   | CCOVAE589WJ31 | AP         |          | X             | Bottom Cover Ass'y      |
| 3-1   | Not Available | -          | N        | -             | Bottom Cover            |
| 3-2   | PSPAHB013WJZZ | AB         |          | J             | Himeron, x2             |
| 3-3   | Not Available | -          |          | -             | Himeron, x4             |
| 4   | CCOVAE513WJ31 | AF         | N        | X             | KEY Cover Ass'y         |
| 4-1   | Not Available | -          | N        | -             | KEY Cover               |
| 4-2   | Not Available | -          |          | -             | Operation Label         |
| 4-3   | JBTN-A984WJ3A | AC         | N        | X             | Operation Button        |
| 5   | TLABNB037WJZZ | AB         |          | X             | Serial Label (Back)     |
| 6   | Not Available | -          | N        | -             | Serial Label (Side)     |
| 7   | GCOVAE789WJ3A | AQ         | N        | X             | Decration Cover (Rear)  |
| 8   | QCNW-M373WJQZ | AG         |          | X             | Connecting Cord (SP1)   |
| 9   | QCNW-N242WJZZ | AH         | N        | X             | Connecting Cord (RA)    |
| 10  | QCNW-N243WJZZ | AH         | N        | X             | Connecting Cord (WB)    |
| 11  | RSP-ZA572WJZZ | AT         |          | J             | Speaker Unit, x2 (L/R)  |
| 12  | RSP-ZA575WJZZ | BB         |          | J             | Speaker Unit (Woofer)   |
| 13  | XBPS730P10WS0 | AA         |          | J             | Screw, x2               |
| 14  | XBPS830P06WS0 | AA         |          | J             | Screw, x34              |
| 16  | GCOVAE555WJ3A | AD         |          | X             | AC Cord Cover           |
| 17  | HINDPF019WJZZ | AC         | N        | X             | Energy Guide Label      |
| 18  | HINDPF047WJ3A |            | N        | X             | Model Label             |
| 19  | QACDA084WJPZ  | AG         |          | X             | AC Cord                 |
| 21  | XEBS830P12000 | AA         |          | J             | Screw, x12              |

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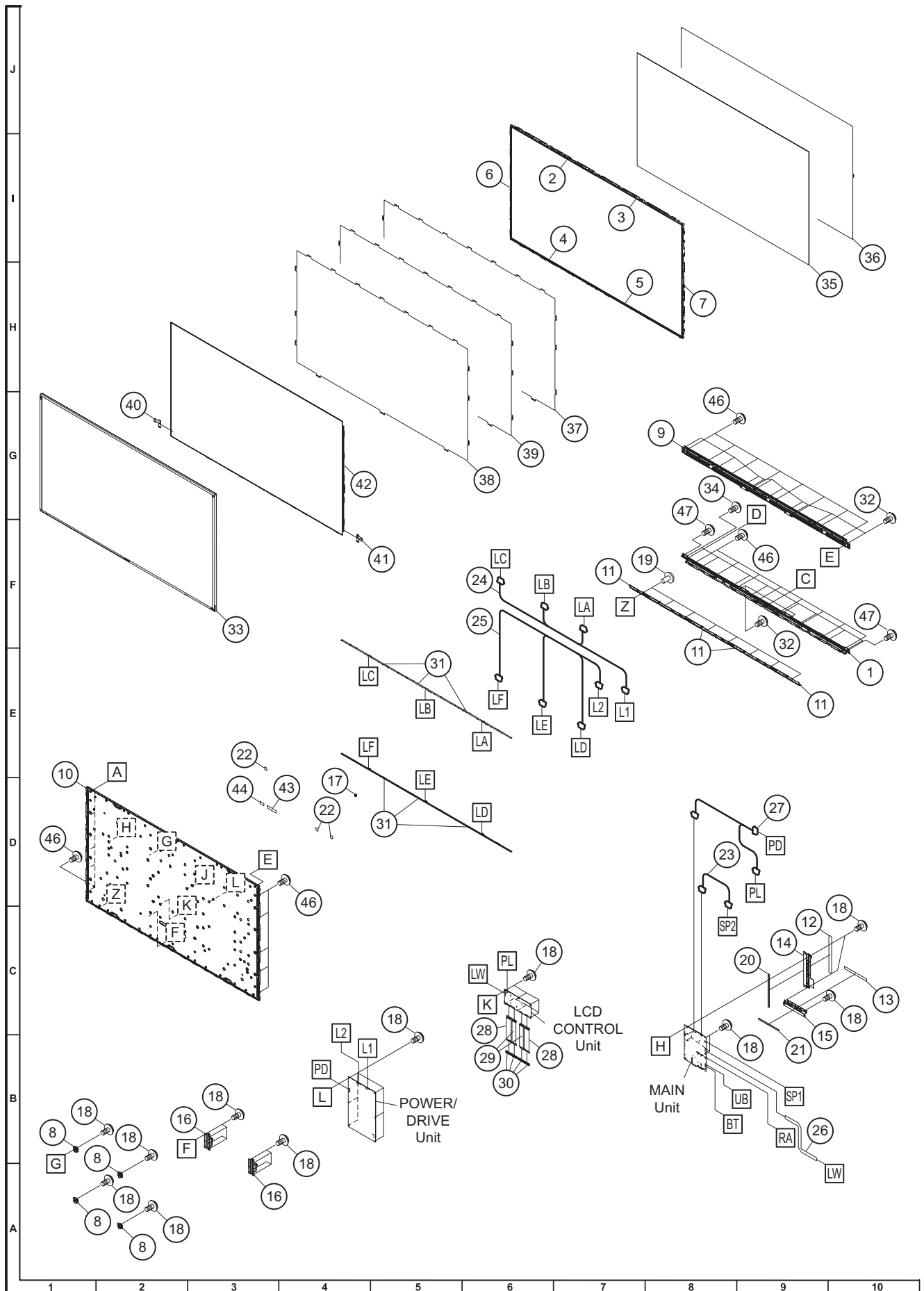
| NO.   | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                   |
|---|----------------|------------|----------|---------------|-------------------------------|
| <b>[21] CABINET AND MECHANICAL PARTS-2 (LC-60UQ17U)</b> |                |            |          |               |                               |
| 1   | CANGKD790WJ31  | AW         |          | X             | BL Support Angle (Bottom)     |
| 2   | CHLDZB965WJ33  | AQ         | N        | X             | P-Chassis Unit (Top)          |
| 3   | CHLDZB966WJ33  | AQ         | N        | X             | P-Chassis Unit (Bottom)       |
| 4   | CHLDZB967WJ33  | AN         | N        | X             | P-Chassis Unit (Left)         |
| 5   | CHLDZB968WJ33  | AN         | N        | X             | P-Chassis Unit (Right)        |
| 6   | CANGKD506WJ31  | AD         |          | X             | VESA Angle Ass'y, x4          |
| 7   | CANGKD933WJ31  | AS         |          | X             | BL Support Angle (Top)        |
| 8   | CCHSMA706WJ34  | BT         | N        | X             | BL Chassis Unit Ass'y         |
| 9   | HDECPA090WJZZ  | AC         |          | X             | Decration Sheet (Side)        |
| 10  | HDECPA091WJZZ  | AB         |          | X             | Decration Sheet (Bottom)      |
| 11  | LANGKD145WJFW  | AD         |          | X             | Terminal Angle Ass'y (Side)   |
| 12  | LANGKD146WJFW  | AC         |          | X             | Terminal Angle Ass'y (Bottom) |
| 13  | LANGKD759WJ3W  | AF         |          | X             | Stand Fix Angle, x2           |
| 14  | LHLDWA124WJKZ  | AC         |          | J             | Wire Holder                   |
| 15  | LHLDWA289WJKZ  | AC         |          | J             | Wire Holder, x2               |
| 16  | LHLDZB981WJ3Z  | AE         |          | X             | S-PWB Holder (Left)           |
| 17  | LHLDZB985WJ3Z  | AE         |          | X             | S-PWB Holder (Right)          |
| 18  | LX-BZA207WJF7  | AA         |          | J             | Screw, x31                    |
| 19  | LX-LZ0003TPZZ  | AC         |          | J             | Rivet, x6                     |
| 20  | PSPAZC690WJZZ  | AF         |          | J             | Gasket                        |
| 21  | PSPAZC691WJZZ  | AE         |          | J             | Gasket                        |
| 22  | PSPAZC805WJKZ  | AK         |          | J             | Cooler, x3                    |
| 23  | QCNW-M534WJZZ  | AG         |          | J             | Connecting Cord (SP2)         |
| 24  | QCNW-M540WJZZ  | AN         | N        | X             | Connecting Cord (PD/PL)       |
| 25  | QCNW-M854WJPPZ | AX         |          | J             | Connecting Cord (LW)          |
| 26  | QCNW-N074WJQZ  | AP         |          | J             | Connecting Cord (L1)          |
| 27  | QCNW-N676WJZZ  | AE         |          | X             | Connecting Cord (FFC 80p), x2 |
| 28  | QCNW-N677WJZZ  | AE         |          | X             | Connecting Cord (FFC 64p), x2 |
| 29  | RCORFA061WJZZ  | AG         |          | J             | Ferrite Core, x4              |
| 30  | RUNTKB075WJZZ  | BB         |          | J             | LED Unit, x4                  |
| 31  | XBPS830P06WS0  | AA         |          | J             | Screw, x19                    |
| 32  | DWAKMA031WE36  |            | N        | X             | Aluminum Frame Ass'y          |
| 33  | PGiDMA088WJZZ  | BH         | N        | X             | LGP                           |
| 34  | PMiR-A360WJ3A  | AX         | N        | X             | Reflector Sheet               |
| 35  | PSHEPB248WJZZ  | BM         |          | J             | Diffuser Sheet                |
| 36  | PSHEPB249WJZZ  | AZ         |          | J             | Lens Sheet                    |
| 37  | PSHEPB359WJZZ  | AW         | N        | X             | Lens Sheet                    |
| 38  | R1JE600D3HD6AZ |            |          | X             | 60" LCD PANEL Unit            |
| 39  | TLABN2229TPZZ  | AA         |          | J             | MODULE Label                  |
| 40  | TLABN3860TPZZ  | AA         |          | X             | BL LABEL                      |
| 42  | XBPS830P08000  | AA         |          | J             | Screw, x22                    |

[22] CABINET AND MECHANICAL PARTS-1 (LC-70UQ17U)



| NO.   | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION             |
|---|---------------|------------|----------|---------------|-------------------------|
| <b>[22] CABINET AND MECHANICAL PARTS-1 (LC-70UQ17U)</b> |               |            |          |               |                         |
| 1   | CCOVAE787WJ31 | AY         | N        | X             | Front Cover Ass'y       |
| 1-1   | Not Available | -          | N        | -             | Front Cover             |
| 1-2   | Not Available | -          | N        | -             | LED Decration           |
| 1-3   | Not Available | -          | N        | -             | ShineTrim               |
| 2   | CCABBC195WJ33 | BK         | N        | X             | Rear Cabinet Ass'y      |
| 2-1   | Not Available | -          | -        | -             | Rear Cabinet            |
| 2-2   | Not Available | -          | -        | -             | Terminal Label (Back)   |
| 2-3   | Not Available | -          | -        | -             | Terminal Label (Bottom) |
| 2-4   | Not Available | -          | N        | -             | Terminal Label (Side)   |
| 2-5   | LHLDWA318WJKZ | AD         | -        | J             | Cable Clamp             |
| 2-6   | PSPAHB013WJZZ | AB         | -        | J             | Himeron, x2             |
| 2-7   | PSPAHB356WJZZ | AB         | -        | J             | Himeron, x2             |
| 2-8   | Not Available | -          | -        | -             | Himeron, x2             |
| 2-9   | Not Available | -          | -        | -             | SP Box Seacer-A, x4     |
| 2-10  | Not Available | -          | -        | -             | Himeron, x12            |
| 3   | CCOVAE589WJ31 | AP         | N        | X             | Bottom Cover Ass'y      |
| 3-1   | Not Available | -          | N        | -             | Bottom Cover            |
| 3-2   | PSPAHB013WJZZ | AB         | -        | J             | Himeron, x2             |
| 3-3   | Not Available | -          | -        | -             | Himeron, x4             |
| 4   | CCOVAE513WJ31 | AF         | N        | X             | KEY Cover Ass'y         |
| 4-1   | Not Available | -          | N        | -             | KEY Cover               |
| 4-2   | Not Available | -          | -        | -             | Operation Label         |
| 4-3   | JBTN-A984WJ3A | AC         | N        | X             | KEY Button              |
| 5   | TLABNB037WJZZ | AB         | -        | X             | Serial Label (Back)     |
| 6   | Not Available | -          | N        | -             | Serial Label (Side)     |
| 7   | GCOVAE790WJ3A | AQ         | N        | X             | Decration Cover (Rear)  |
| 8   | QCNW-M373WJQZ | AG         | -        | X             | Connecting Cord (SP1)   |
| 9   | QCNW-N243WJZZ | AH         | N        | X             | Connecting Cord (WB)    |
| 10  | QCNW-N332WJZZ | AK         | N        | X             | Connecting Cord (RA)    |
| 11  | RSP-ZA572WJZZ | AT         | -        | J             | Speaker Unit, x2 (L/R)  |
| 12  | RSP-ZA575WJZZ | BB         | -        | J             | Speaker Unit (Woofer)   |
| 13  | XBPS830P06WS0 | AA         | -        | J             | Screw, x37              |
| 14  | XEBS830P12000 | AA         | -        | J             | Screw, x12              |
| 15  | GCOVAE555WJ3A | AD         | -        | X             | AC Cord Cover           |
| 16  | HINDPF024WJZZ | AC         | N        | X             | Energy Guide Label      |
| 17  | HINDPF048WJ3A | -          | N        | X             | Model Label             |
| △ 18  | QACDA084WJPZ  | AG         | -        | X             | AC Cord                 |

[23] CABINET AND MECHANICAL PARTS-2 (LC-70UQ17U)



| NO.   | PARTS CODE     | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                   |
|---|----------------|------------|----------|---------------|-------------------------------|
| <b>[23] CABINET AND MECHANICAL PARTS-2 (LC-70UQ17U)</b> |                |            |          |               |                               |
| 1   | CANGKD762WJ31  | AX         |          | X             | Support Angle Ass'y (Bottom)  |
| 2   | CHLDZB969WJ33  | AN         | N        | X             | P-Chassis Unit (Top-Left)     |
| 3   | CHLDZB970WJ33  | AN         | N        | X             | P-Chassis Unit (Top-Right)    |
| 4   | CHLDZB971WJ33  | AN         | N        | X             | P-Chassis Unit (Bottom-Left)  |
| 5   | CHLDZB972WJ33  | AN         | N        | X             | P-Chassis Unit (Bottom-Right) |
| 6   | CHLDZB973WJ33  | AN         | N        | X             | P-Chassis Unit (Left)         |
| 7   | CHLDZB974WJ33  | AN         | N        | X             | P-Chassis Unit (Right)        |
| 8   | CANGKD506WJ31  | AD         |          | X             | VESA Angle Ass'y, x4          |
| 9   | CANGKD761WJ31  | AV         |          | X             | Support Angle Ass'y (Top)     |
| 10  | CCHSMA676WJ38  | BW         | N        | X             | BL Chassis Unit Ass'y         |
| 11  | CHLDZB982WJ31  | AE         |          | X             | S-PWB Holder, x4              |
| 12  | HDECPA090WJZZ  | AC         |          | X             | Decration Sheet (Side)        |
| 13  | HDECPA091WJZZ  | AB         |          | X             | Decration Sheet (Bottom)      |
| 14  | LANGKD145WJFW  | AD         |          | X             | Terminal Angle (Side)         |
| 15  | LANGKD146WJFW  | AC         |          | X             | Terminal Angle (Bottom)       |
| 16  | LANGKD759WJ3W  | AF         |          | X             | Stand Fix Angle, x2           |
| 17  | LHLDWA289WJKZ  | AC         |          | J             | Wire Holder                   |
| 18  | LX-BZA207WJF7  | AA         |          | J             | Screw, x31                    |
| 19  | LX-LZ0003TPZZ  | AC         |          | J             | Rivet, x8                     |
| 20  | PSPAZC690WJZZ  | AF         |          | J             | Gasket                        |
| 21  | PSPAZC691WJZZ  | AE         |          | J             | Gasket                        |
| 22  | PSPAZC805WJKZ  | AK         |          | J             | Cooler, x3                    |
| 23  | QCNW-M534WJZZ  | AG         |          | J             | Connecting Cord (SP2)         |
| 24  | QCNW-N075WJQZ  | AM         |          | J             | Connecting Cord (L1)          |
| 25  | QCNW-N076WJQZ  | AN         |          | J             | Connecting Cord (L2)          |
| 26  | QCNW-N241WJZZ  | AT         |          | X             | Connecting Cord (LW)          |
| 27  | QCNW-N254WJZZ  | AQ         |          | X             | Connecting Cord (PD)          |
| 28  | QCNW-N676WJZZ  | AE         |          | X             | Connecting Cord (FFC 80p), x2 |
| 29  | QCNW-N677WJZZ  | AE         |          | X             | Connecting Cord (FFC 64p), x2 |
| 30  | RCORFA061WJZZ  | AG         |          | J             | Ferrite Core, x4              |
| 31  | RUNTKB077WJZZ  | BA         |          | J             | LED Unit, x6                  |
| 32  | XBPS830P06WS0  | AA         |          | J             | Screw, x12                    |
| 33  | DWAKMA035WE37  |            | N        | X             | Aluminum Frame Ass'y          |
| 34  | LX-BZA202WJF8  | AA         |          | J             | Screw, x8                     |
| 35  | PGIDMA089WJZZ  | BU         | N        | X             | LGP                           |
| 36  | PMIR-A362WJ3A  | AZ         | N        | X             | Reflector Sheet               |
| 37  | PSHEPB252WJZZ  | BC         |          | J             | Lens Sheet                    |
| 38  | PSHEPB253WJZZ  | BT         |          | J             | DBEF Sheet                    |
| 39  | PSHEPB360WJZZ  | AZ         | N        | X             | Lens Sheet                    |
| 40  | QCNW-N118WJZZ  | AD         |          | X             | SG-FFC (Left)                 |
| 41  | QCNW-N119WJZZ  | AD         |          | X             | SG-FFC (Right)                |
| 42  | R1JE695D3HB1AV |            | N        | X             | 70" LCD PANEL Unit            |
| 43  | TLABN2229TPZZ  | AA         |          | J             | MODULE Label                  |
| 44  | TLABN3860TPZZ  | AA         |          | X             | BL LABEL                      |
| 46  | XBPS830P08000  | AA         |          | J             | Screw, x26                    |
| 47  | XBSS730P06000  | AA         |          | J             | Screw, x2                     |

**[24] SUPPLIED ACCESSORIES/PACKING PARTS (LC-60EQ10U,SQ10U/15U/17U) (NOT REPLACEMENT ITEM)**

X1 Stand Base Ass'y

X4 Enquete Card

X7 AAA Size Battery

X2 Stand Support Ass'y

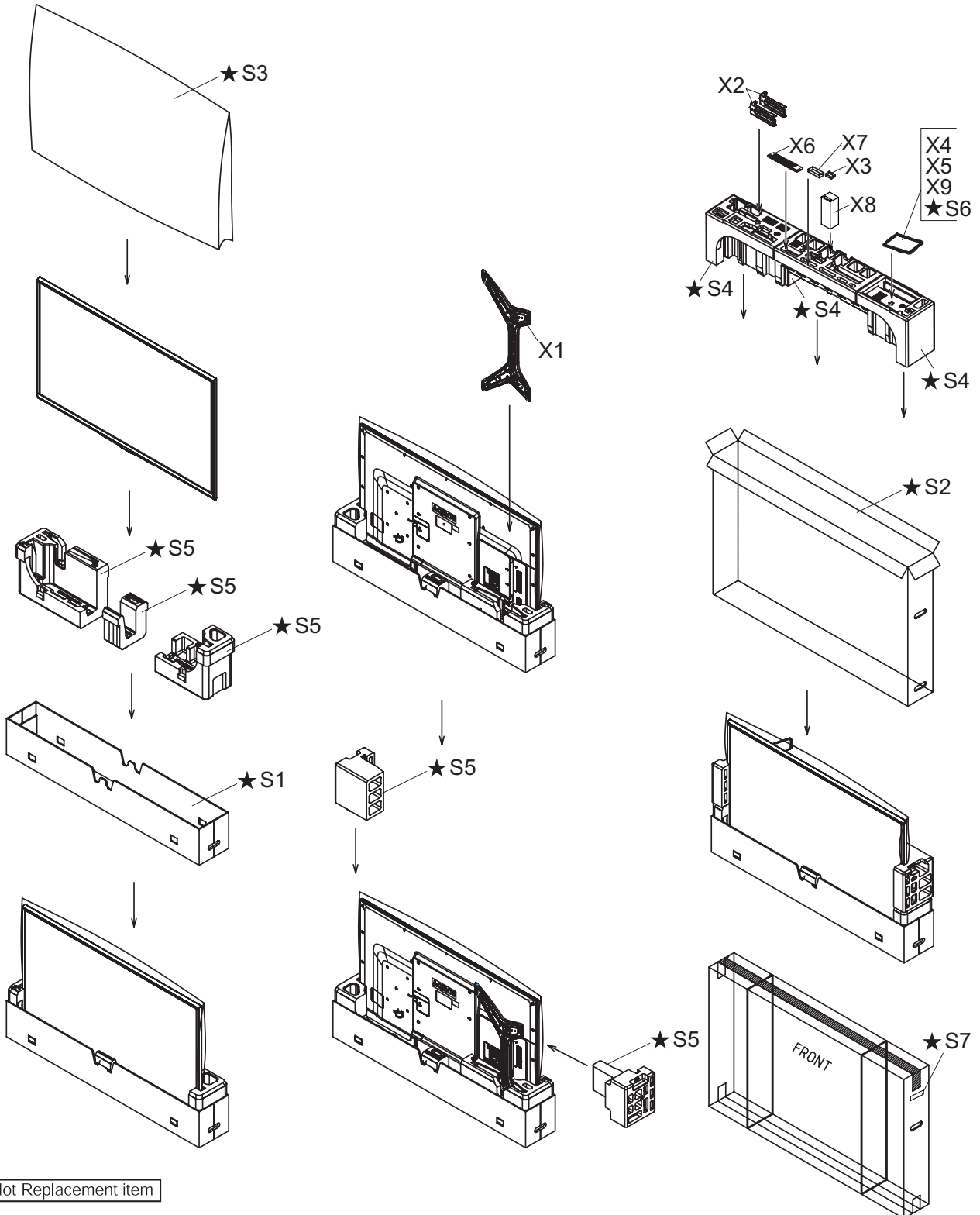
X5 SET UP Guide

X8 3D Glasses (LC-60SQ17U)

X3 Stand Screw Ass'y

X6 Remote Control Unit

X9 Extended Warranty

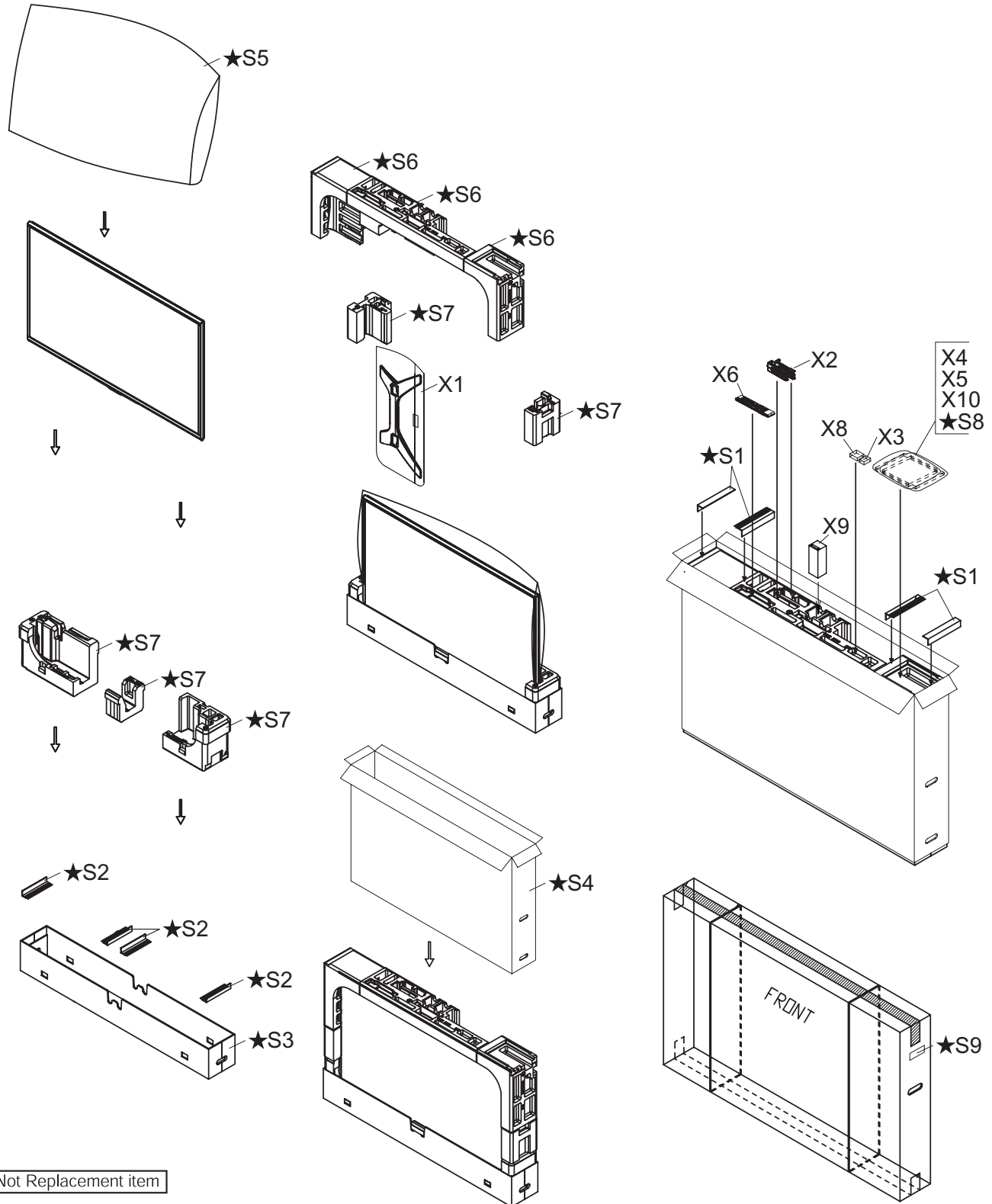


★ Not Replacement item

| NO.  | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                                      |
|--|---------------|------------|----------|---------------|--|
| <b>[24] SUPPLIED ACCESSORIES/PACKING PARTS (LC-60EQ10U,SQ10U/15U/17U) (NOT REPLACEMENT ITEM)</b> |               |            |          |               |  |
| X1   | CDAi-A930WJ31 | BE         | N        | X             | Stand Base Ass'y                                 |
| X2   | CANGKE160WJ01 | AL         | N        | X             | Stand Support Ass'y, x2                          |
| X3   | CSAKKA011WJ01 | AF         |          | X             | Stand Screw Ass'y                                |
| X4   | TCADEA290WJZZ | AA         |          | X             | Enquete Card                                     |
| X5   | TINS-G058WJZZ | AD         | N        | X             | SET UP Guide                                     |
| X6   | RRMCGB118WJSA | AN         | N        | X             | Remote Control Unit                              |
| X7   | Not Available | -          |          | -             | AAA Size Battery, x2                             |
| X8   | KOPTLA006WJN1 | BN         |          | X             | 3D Glasses (LC-60SQ17U)                          |
| X9   | TGAN-B767WJZZ |            |          | X             | Extended Warranty                                |
| S1   | SPAKCH436WJZZ | -          | N        | -             | Packing Case (Bottom) (NOT REPLACEMENT ITEM)     |
| S2   | SPAKCH520WJZZ | -          | N        | -             | Packing Case (NOT REPLACEMENT ITEM) (LC-60EQ10U) |
| S2   | SPAKCH476WJZZ | -          | N        | -             | Packing Case (NOT REPLACEMENT ITEM) (LC-60SQ10U) |
| S2   | SPAKCH435WJZZ | -          | N        | -             | Packing Case (NOT REPLACEMENT ITEM) (LC-60SQ15U) |
| S2   | SPAKCH453WJZZ | -          | N        | -             | Packing Case (NOT REPLACEMENT ITEM) (LC-60SQ17U) |
| S3   | SPAKPB427WJZZ | -          |          | -             | Polyethylene Bag (Main) (NOT REPLACEMENT ITEM)   |
| S4   | SPAKXE200WJZZ | -          | N        | -             | Packing Form (Top) (NOT REPLACEMENT ITEM)        |
| S5   | SPAKXE201WJZZ | -          | N        | -             | Packing Form (Bottom) (NOT REPLACEMENT ITEM)     |
| S6   | SSAKA0101GJZZ | -          |          | -             | Polyethylene Bag (NOT REPLACEMENT ITEM)          |
| S7   | TLABKA009WJZZ | -          |          | -             | Case No. Label (NOT REPLACEMENT ITEM)            |

**[25] SUPPLIED ACCESSORIES/PACKING PARTS (LC-70EQ10U,SQ10U/15U/17U) (NOT REPLACEMENT ITEM)**

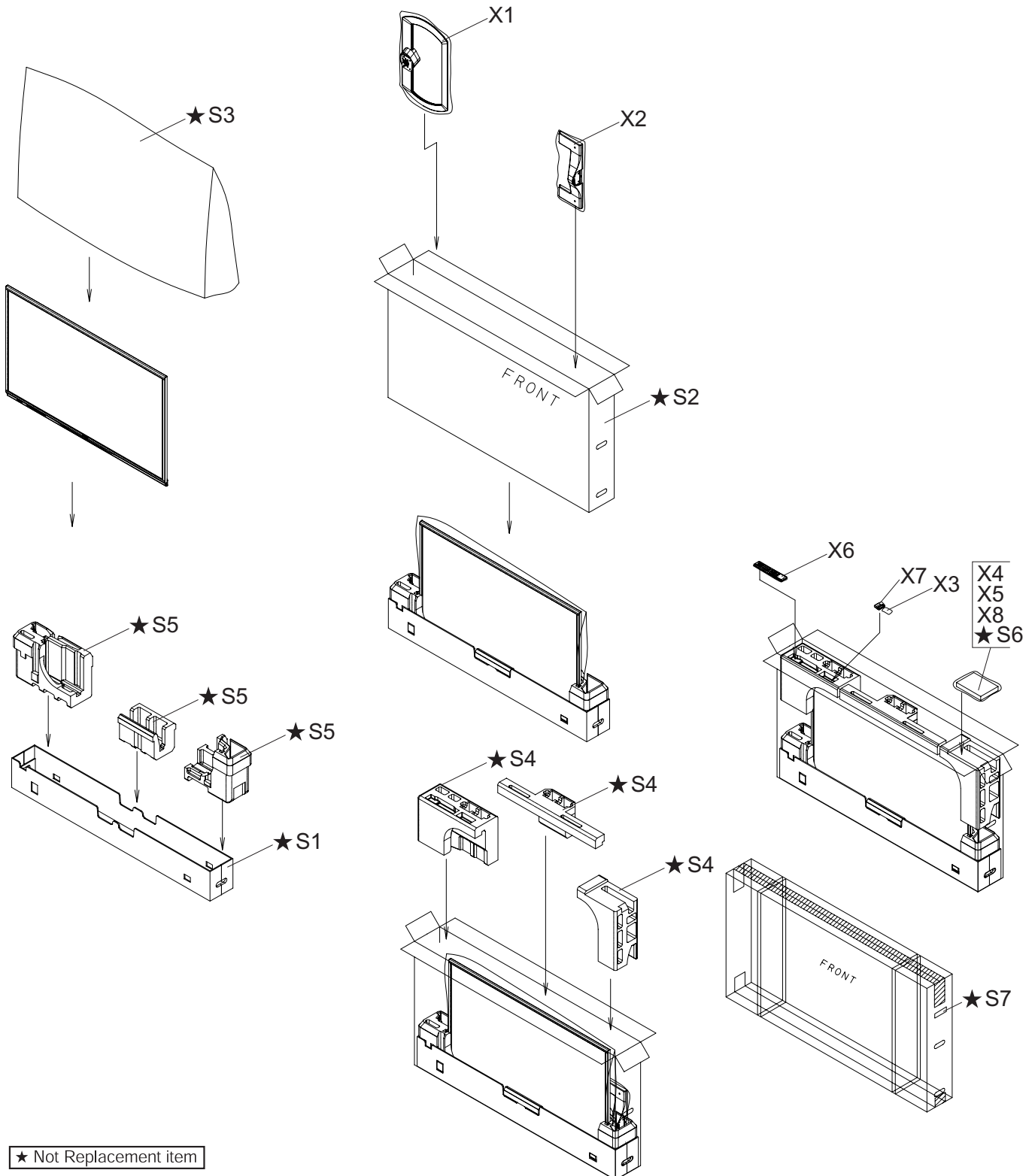
|                        |                        |                            |
|------------------------|------------------------|----------------------------|
| X1 Stand Base Ass'y    | X4 Enquete Card        | X8 AAA Size Battery        |
| X2 Stand Support Ass'y | X5 SET UP Guide        | X9 3D Glasses (LC-70SQ17U) |
| X3 Stand Screw Ass'y   | X6 Remote Control Unit | X10 Extended Warranty      |



| NO.  | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                                      |
|--|---------------|------------|----------|---------------|--|
| <b>[25] SUPPLIED ACCESSORIES/PACKING PARTS (LC-70EQ10U,SQ10U/15U/17U) (NOT REPLACEMENT ITEM)</b> |               |            |          |               |  |
| X1   | CDAi-A930WJ31 | BE         | N        | X             | Stand Base Ass'y                                 |
| X2   | CANGKE160WJ01 | AL         | N        | X             | Stand Support Ass'y, x2                          |
| X3   | CSAKKA011WJ01 | AF         |          | X             | Stand Screw Ass'y                                |
| X4   | TCADEA290WJZZ | AA         |          | X             | Enquete Card                                     |
| X5   | TINS-G058WJZZ | AD         | N        | X             | SET UP Guide                                     |
| X6   | RRMCGB118WJSA | AN         | N        | X             | Remote Control Unit                              |
| X8   | Not Available | -          |          | -             | AAA Size Battery, x2                             |
| X9   | KOPTLA006WJN1 | BN         | N        | X             | 3D Glasses (LC-70SQ17U)                          |
| X10  | TGAN-B767WJZZ |            |          | X             | Extended Warranty                                |
| S1   | SPAKAA739WJZZ | -          | N        | -             | Edge Board (Top) (NOT REPLACEMENT ITEM)          |
| S2   | SPAKAA740WJZZ | -          | N        | -             | Edge Board (Bottom) (NOT REPLACEMENT ITEM)       |
| S3   | SPAKCH438WJZZ | -          | N        | -             | Packing Case (Bottom) (NOT REPLACEMENT ITEM)     |
| S4   | SPAKCH521WJZZ | -          | N        | -             | Packing Case (NOT REPLACEMENT ITEM) (LC-70EQ10U) |
| S4   | SPAKCH477WJZZ | -          | N        | -             | Packing Case (NOT REPLACEMENT ITEM) (LC-70SQ10U) |
| S4   | SPAKCH437WJZZ | -          | N        | -             | Packing Case (NOT REPLACEMENT ITEM) (LC-70SQ15U) |
| S4   | SPAKCH456WJZZ | -          | N        | -             | Packing Case (NOT REPLACEMENT ITEM) (LC-70SQ17U) |
| S5   | SPAKPB733WJZZ | -          |          | -             | Polyethylene Bag (Main) (NOT REPLACEMENT ITEM)   |
| S6   | SPAKXE202WJZZ | -          | N        | -             | Packing Form (Top) (NOT REPLACEMENT ITEM)        |
| S7   | SPAKXE203WJZZ | -          | N        | -             | Packing Form (Bottom) (NOT REPLACEMENT ITEM)     |
| S8   | SSAKA0101GJZZ | -          |          | -             | Polyethylene Bag (NOT REPLACEMENT ITEM)          |
| S9   | TLABKA009WJZZ | -          |          | -             | Case No. Label (NOT REPLACEMENT ITEM)            |

**[26] SUPPLIED ACCESSORIES/PACKING PARTS (LC-60TQ15U) (NOT REPLACEMENT ITEM)**

- |                        |                        |                      |
|------------------------|------------------------|----------------------|
| X1 Stand Base Ass'y    | X4 Enquete Card        | X7 AAA Size Battery  |
| X2 Stand Support Ass'y | X5 SET UP Guide        | X8 Extended Warranty |
| X3 Stand Screw Ass'y   | X6 Remote Control Unit |                      |

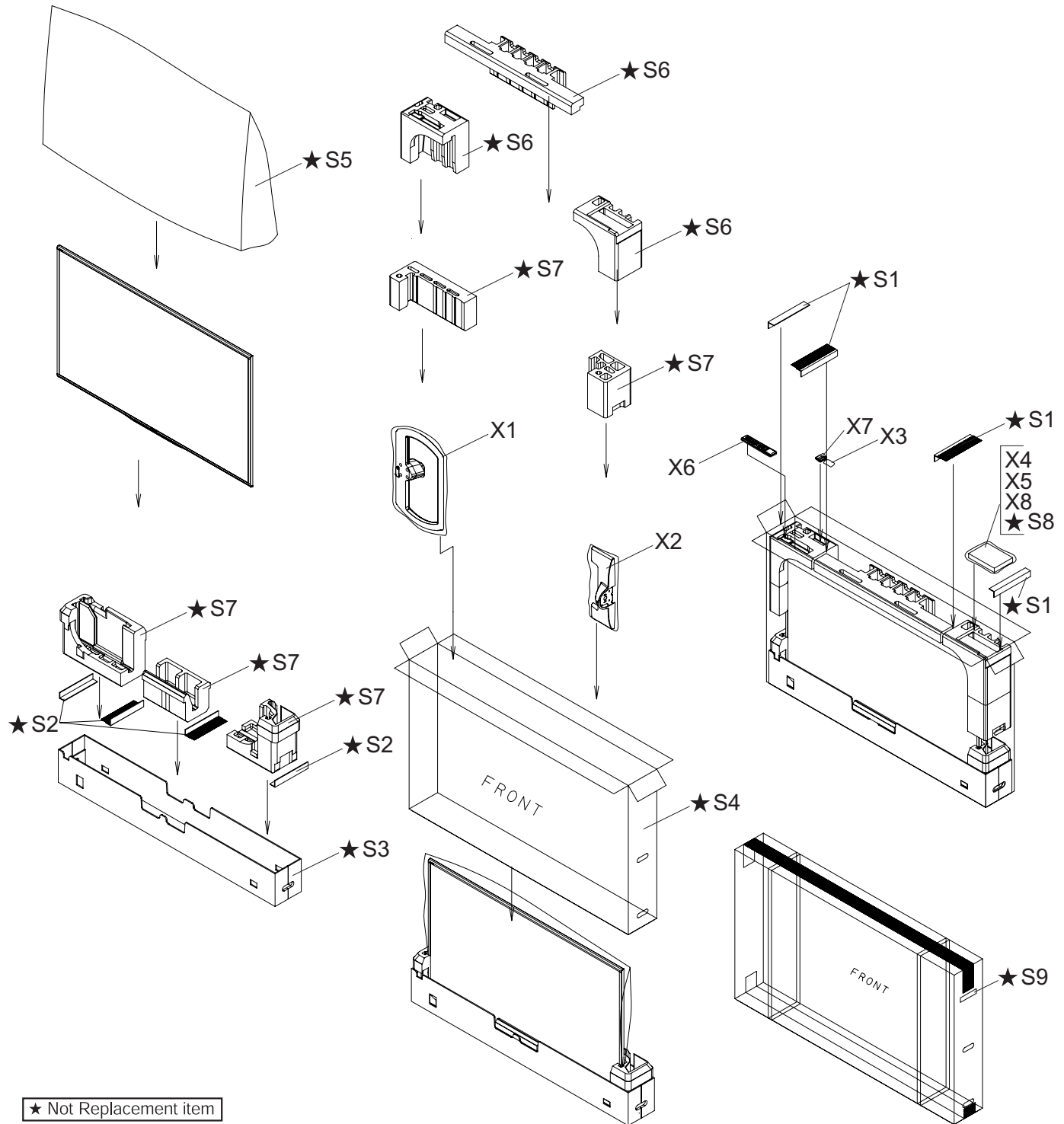


★ Not Replacement item

| NO.  | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                                    |
|--|---------------|------------|----------|---------------|--|
| <b>[26] SUPPLIED ACCESSORIES/PACKING PARTS (LC-60TQ15U) (NOT REPLACEMENT ITEM)</b> |               |            |          |               |  |
| X1   | CDAI-A857WJ32 | BQ         | N        | X             | Stand Base Ass'y                               |
| X2   | CANGKD781WJ02 | AV         |          | X             | Stand Support Ass'y                            |
| X3   | CSAKKA016WJ02 | AE         |          | X             | Stand Screw Ass'y                              |
| X4   | TCADEA290WJZZ | AA         |          | X             | Enquete Card                                   |
| X5   | TINS-G058WJZZ | AD         | N        | X             | SET UP Guide                                   |
| X6   | RRMCGB118WJSA | AN         | N        | X             | Remote Control Unit                            |
| X7   | Not Available | -          |          | -             | AAA Size Battery, x2                           |
| X8   | TGAN-B767WJZZ |            |          | X             | Extended Warranty                              |
| S1   | SPAKCH109WJZZ | -          |          | -             | Packing Case (Bottom) (NOT REPLACEMENT ITEM)   |
| S2   | SPAKCH518WJZZ | -          | N        | -             | Packing Case (NOT REPLACEMENT ITEM)            |
| S3   | SPAKPB427WJZZ | -          |          | -             | Polyethylene Bag (Main) (NOT REPLACEMENT ITEM) |
| S4   | SPAKXD924WJZZ | -          |          | -             | Packing Form (Top) (NOT REPLACEMENT ITEM)      |
| S5   | SPAKXD925WJZZ | -          |          | -             | Packing Form (Bottom) (NOT REPLACEMENT ITEM)   |
| S6   | SSAKA0101GJZZ | -          |          | -             | Polyethylene Bag (NOT REPLACEMENT ITEM)        |
| S7   | TLABKA009WJZZ | -          |          | -             | Case No. Label (NOT REPLACEMENT ITEM)          |

**[27] SUPPLIED ACCESSORIES/PACKING PARTS (LC-70TQ15U) (NOT REPLACEMENT ITEM)**

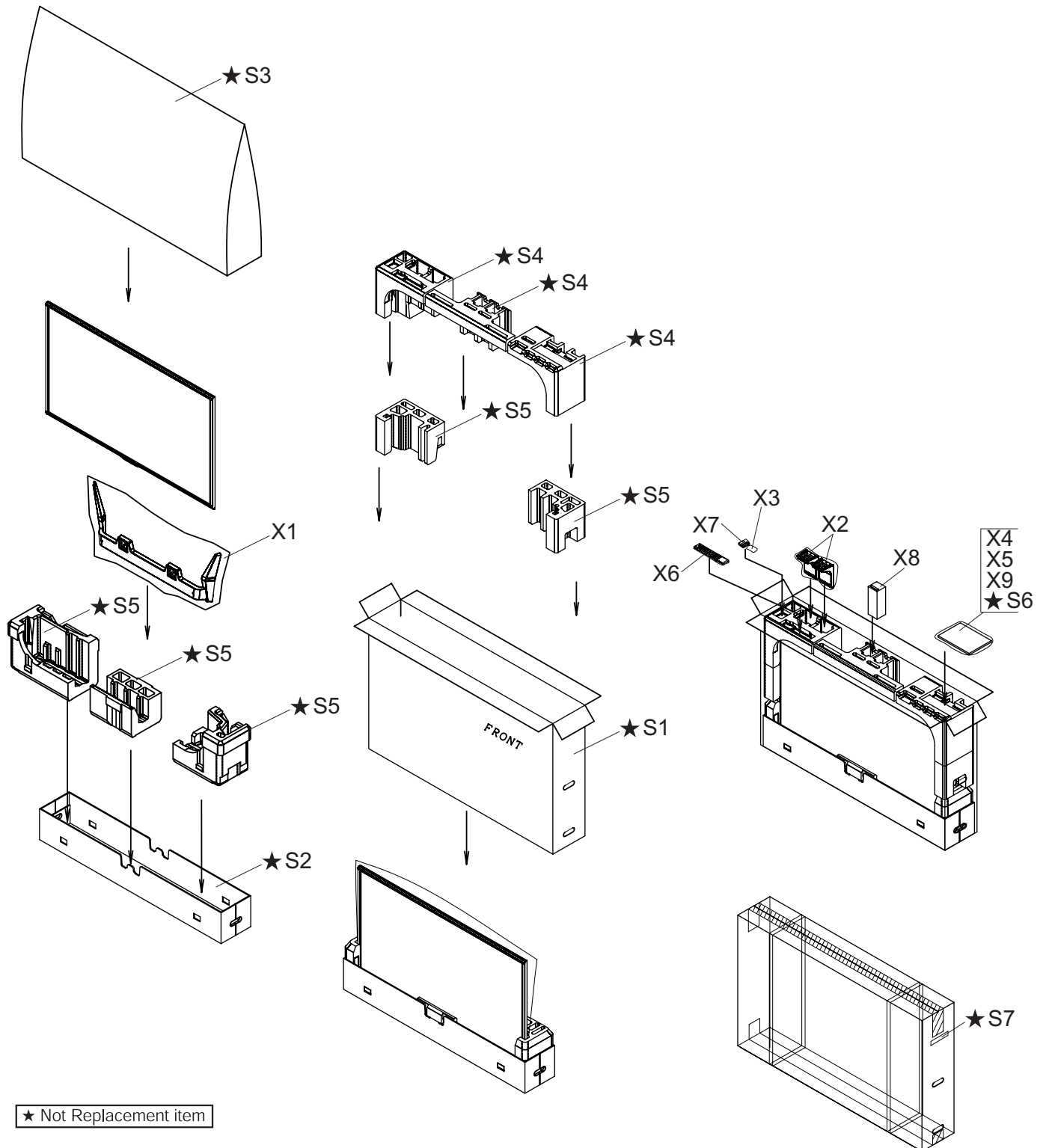
- |                        |                        |                      |
|------------------------|------------------------|----------------------|
| X1 Stand Base Ass'y    | X4 Enquete Card        | X7 AAA Size Battery  |
| X2 Stand Support Ass'y | X5 SET UP Guide        | X8 Extended Warranty |
| X3 Stand Screw Ass'y   | X6 Remote Control Unit |                      |



| NO.  | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                                    |
|--|---------------|------------|----------|---------------|--|
| <b>[27] SUPPLIED ACCESSORIES/PACKING PARTS (LC-70TQ15U) (NOT REPLACEMENT ITEM)</b> |               |            |          |               |  |
| X1   | CDAI-A857WJ32 | BQ         | N        | X             | Stand Base Ass'y                               |
| X2   | CANGKD781WJ02 | AV         |          | X             | Stand Support Ass'y                            |
| X3   | CSAKKA016WJ02 | AE         |          | X             | Stand Screw Ass'y                              |
| X4   | TCADEA290WJZZ | AA         |          | X             | Enquete Card                                   |
| X5   | TINS-G058WJZZ | AD         | N        | X             | SET UP Guide                                   |
| X6   | RRMCGB118WJSA | AN         | N        | X             | Remote Control Unit                            |
| X7   | Not Available | -          |          | -             | AAA Size Battery, x2                           |
| X8   | TGAN-B767WJZZ |            |          | X             | Extended Warranty                              |
| S1   | SPAKAA732WJZZ | -          |          | -             | Edge Board (Top) (NOT REPLACEMENT ITEM)        |
| S2   | SPAKAA733WJZZ | -          |          | -             | Edge Board (Bottom) (NOT REPLACEMENT ITEM)     |
| S3   | SPAKCH111WJZZ | -          |          | -             | Packing Case (Bottom) (NOT REPLACEMENT ITEM)   |
| S4   | SPAKCH519WJZZ | -          | N        | -             | Packing Case (NOT REPLACEMENT ITEM)            |
| S5   | SPAKPB733WJZZ | -          |          | -             | Polyethylene Bag (Main) (NOT REPLACEMENT ITEM) |
| S6   | SPAKXD926WJZZ | -          |          | -             | Packing Form (Top) (NOT REPLACEMENT ITEM)      |
| S7   | SPAKXD927WJZZ | -          |          | -             | Packing Form (Bottom) (NOT REPLACEMENT ITEM)   |
| S8   | SSAKA0101GJZZ | -          |          | -             | Polyethylene Bag (NOT REPLACEMENT ITEM)        |
| S9   | TLABKA009WJZZ | -          |          | -             | Case No. Label (NOT REPLACEMENT ITEM)          |

**[28] SUPPLIED ACCESSORIES/PACKING PARTS (LC-60UQ17U) (NOT REPLACEMENT ITEM)**

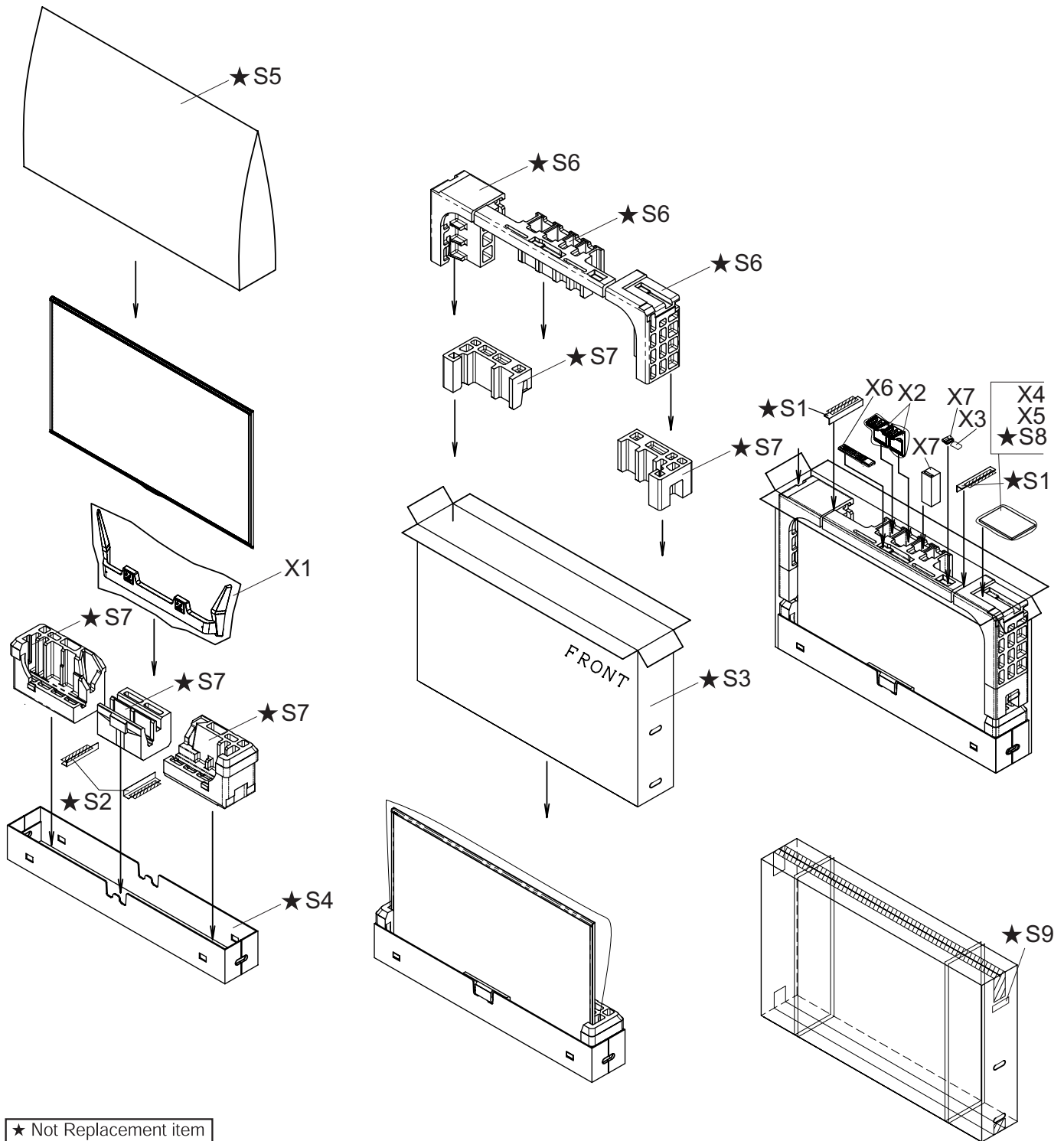
- |                        |                        |                            |
|------------------------|------------------------|----------------------------|
| X1 Stand Base Ass'y    | X4 Enquete Card        | X7 AAA Size Battery        |
| X2 Stand Support Ass'y | X5 SET UP Guide        | X8 3D Glasses (LC-60UQ17U) |
| X3 Stand Screw Ass'y   | X6 Remote Control Unit | X9 AAL Card                |



| NO.  | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION                                    |
|--|---------------|------------|----------|---------------|--|
| <b>[28] SUPPLIED ACCESSORIES/PACKING PARTS (LC-60UQ17U) (NOT REPLACEMENT ITEM)</b> |               |            |          |               |  |
| X1   | CDAI-A919WJ03 |            | N        | X             | Stand Base Ass'y                               |
| X2   | CANGKE168WJ31 |            | N        | X             | Stand Support Ass'y                            |
| X3   | CSAKKA023WJ31 |            | N        | X             | Stand Screw Ass'y                              |
| X4   | TCADEA290WJZZ | AA         |          | X             | Enquete Card                                   |
| X5   | TINS-G058WJZZ | AD         | N        | X             | SET UP Guide                                   |
| X6   | RRMCGB118WJSA | AN         | N        | X             | Remote Control Unit                            |
| X7   | Not Available | -          |          | -             | AAA Size Battery, x2                           |
| X8   | KOPTLA006WJN1 | BN         | N        | X             | 3D Glasses (LC-60UQ17U)                        |
| X9   | TGAN-B767WJZZ |            |          | X             | AAL Card                                       |
| S1   | SPAKCH467WJZZ | -          | N        | -             | Packing Case (NOT REPLACEMENT ITEM)            |
| S2   | SPAKCH472WJZZ | -          | N        | -             | Packing Case (Bottom) (NOT REPLACEMENT ITEM)   |
| S3   | SPAKPB427WJZZ | -          |          | -             | Polyethylene Bag (Main) (NOT REPLACEMENT ITEM) |
| S4   | SPAKXE212WJZZ | -          | N        | -             | Packing Form (Top) (NOT REPLACEMENT ITEM)      |
| S5   | SPAKXE213WJZZ | -          | N        | -             | Packing Form (Bottom) (NOT REPLACEMENT ITEM)   |
| S6   | SSAKA0101GJZZ | -          |          | -             | Polyethylene Bag (NOT REPLACEMENT ITEM)        |
| S7   | TLABKA009WJZZ | -          |          | -             | Case No. Label (NOT REPLACEMENT ITEM)          |

**[29] SUPPLIED ACCESSORIES/PACKING PARTS (LC-70UQ17U) (NOT REPLACEMENT ITEM)**

- |                        |                        |                            |
|------------------------|------------------------|----------------------------|
| X1 Stand Base Ass'y    | X4 Enquete Card        | X7 AAA Size Battery        |
| X2 Stand Support Ass'y | X5 SET UP Guide        | X8 3D Glasses (LC-60UQ17U) |
| X3 Stand Screw Ass'y   | X6 Remote Control Unit |                            |



★ Not Replacement item

| NO.  | PARTS CODE    | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION   |
|--|---------------|------------|----------|---------------|---|
| <b>[29] SUPPLIED ACCESSORIES/PACKING PARTS (LC-70UQ17U) (NOT REPLACEMENT ITEM)</b> |               |            |          |               |   |
| X1   | CDAi-A919WJ03 |            | N        | X             | Stand Base Ass'y  |
| X2   | CANGKE168WJ31 |            | N        | X             | Stand Support Ass'y   |
| X3   | CSAKKA023WJ31 |            | N        | X             | Stand Screw Ass'y   |
| X4   | TCADEA290WJZZ | AA         |          | X             | Enquete Card  |
| X5   | TINS-G058WJZZ | AD         | N        | X             | SET UP Guide  |
| X6   | RRMCGB118WJSA | AN         | N        | X             | Remote Control Unit   |
| X7   | Not Available | -          |          | -             | AAA Size Battery, x2  |
| X8   | KOPTLA006WJN1 | BN         | N        | X             | 3D Glasses (LC-70UQ17U)   |
| S1   | SPAKAA724WJZZ | -          |          | -             | Edge Board (Top) (NOT REPLACEMENT ITEM)   |
| S2   | SPAKAA725WJZZ | -          |          | -             | Edge Board (Bottom) (NOT REPLACEMENT ITEM)  |
| S3   | SPAKCH469WJZZ | -          | N        | -             | Packing Case (NOT REPLACEMENT ITEM)   |
| S4   | SPAKCH473WJZZ | -          | N        | -             | Packing Case (Bottom) (NOT REPLACEMENT ITEM)  |
| S5   | SPAKPB733WJZZ | -          |          | -             | Polyethylene Bag (Main) (NOT REPLACEMENT ITEM)  |
| S6   | SPAKXE214WJZZ | -          | N        | -             | Packing Form (Top) (NOT REPLACEMENT ITEM)   |
| S7   | SPAKXE215WJZZ | -          | N        | -             | Packing Form (Bottom) (NOT REPLACEMENT ITEM)  |
| S8   | SSAKA0101GJZZ | -          |          | -             | Polyethylene Bag (NOT REPLACEMENT ITEM)   |
| S9   | TLABKA009WJZZ | -          |          | -             | Case No. Label (NOT REPLACEMENT ITEM)   |
| <b>[30] SERVICE JIG (USE FOR SERVICING) (LC-60/70EQ10U/SQ10U,15U,17U)</b>          |               |            |          |               |   |
| N  | QCNW-C222WJQZ | AW         |          | J             | Connecting Cord L=1000mm 80pins, LCD Control Unit to LCD Panel Unit, x2                 |
| N  | QCNW-L214WJQZ | AV         |          | J             | Connecting Cord L=1000mm 64pins, LCD Control Unit to LCD Panel Unit, x2 (LC-60/70EQ10U) |
| N  | QCNW-F676WJQZ | BH         |          | J             | Connecting Cord L=1000mm 41pins, Main to LCD Control Unit (LW)                          |
| N  | QCNW-M539WJQZ | BC         |          | J             | Connecting Cord L=1200mm 24-24-4pins, Main(PD) to Power(PD) to LCD Control Unit (PL)    |
| <b>[31] SERVICE JIG (USE FOR SERVICING) (LC-60/70TQ15U/UQ17U)</b>                  |               |            |          |               |   |
| N  | QCNW-C222WJQZ | AW         |          | J             | Connecting Cord L=1000mm 80pins, LCD Control Unit to LCD Panel Unit, x2                 |
| N  | QCNW-L214WJQZ | AV         |          | J             | Connecting Cord L=1000mm 64pins, LCD Control Unit to LCD Panel Unit, x2                 |
| N  | QCNW-N560WJQZ | AW         |          | J             | Connecting Cord L=650mm 41pins, Main to LCD Control Unit (LW)                           |
| N  | QCNW-M539WJQZ | BC         |          | J             | Connecting Cord L=1200mm 24-24-4pins, Main(PD) to Power(PD) to LCD Control Unit (PL)    |

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