LG

CANADA : http//biz.lgservice.com
USA : http//www.lgservice.com
: http//lgservice.com/techsup.html

DLP PROJECTION TV
SERVICE MANUAL

CHASSIS : MB-042H

MODEL : RU-44SZ63D

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitary that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by it's Neck.

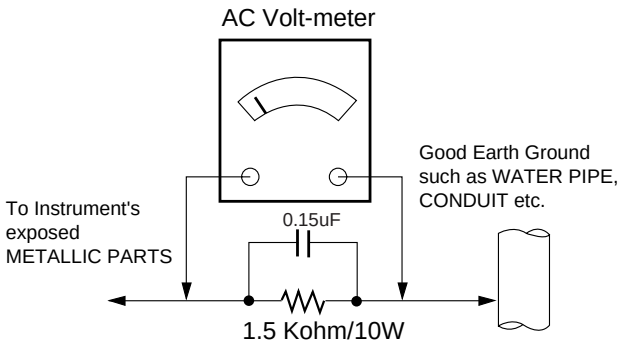
Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on positioin, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each esposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits sepcified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



CANADA: LG Electronics Canada, Inc. 550 Matheson
Boulevard East Mississauga, Ontario L4Z 4G3

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P.O.Box 240007, 201 James Record Road Huntsville,
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SPECIFICATIONS

Product Specifications

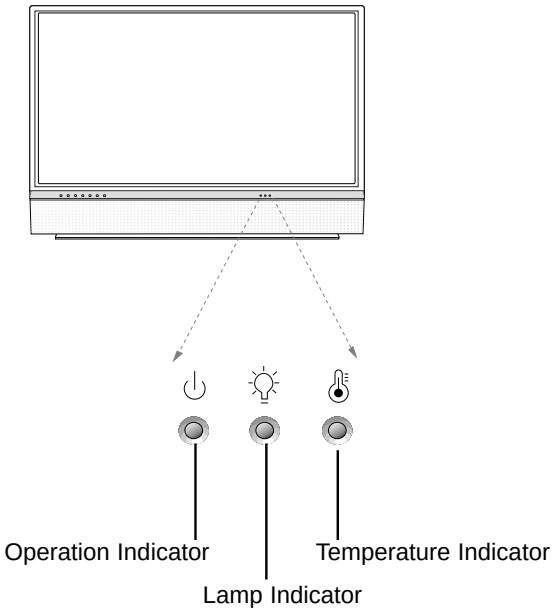
Models		
RU-44SZ63D	Horizontal Size (Inches) Height (Inches) Depth (Inches) Weight (lbs.)	41.7 30.1 14.2 65
Power Requirement	AC 120V, 60Hz	
Television System	American TV Standard, NTSC, ATSC with STB	
Television Channels	VHF: 2 - 13 UHF: 14 - 69 CATV: 1 - 125	
Power Consumption (W)	240W	
Antenna	75 ohm External Terminal for VHF/UHF	
Audio Output (W)	12W x 2	
Supplied Accessories	Remote Control, 2 size AA batteries, 2 filters.	
External Input/Output Ports	A/V input (3 set) A/V output (1 set) S-Video input (2) Component input (2 set) RGB input (1) DVI input (1) RGB/DVI audio input (1 set) Variable audio output (1 set) Audio center mode input (1) Calibration port (1)	

Design and specifications are subject to change without prior notice.

DESCRIPTION OF CONTROLS

Function Status Indicators

Lamp indicator, operation indicator, and temperature indicator located below the front panel controls, reveal the operating status of the DLP projection TV.

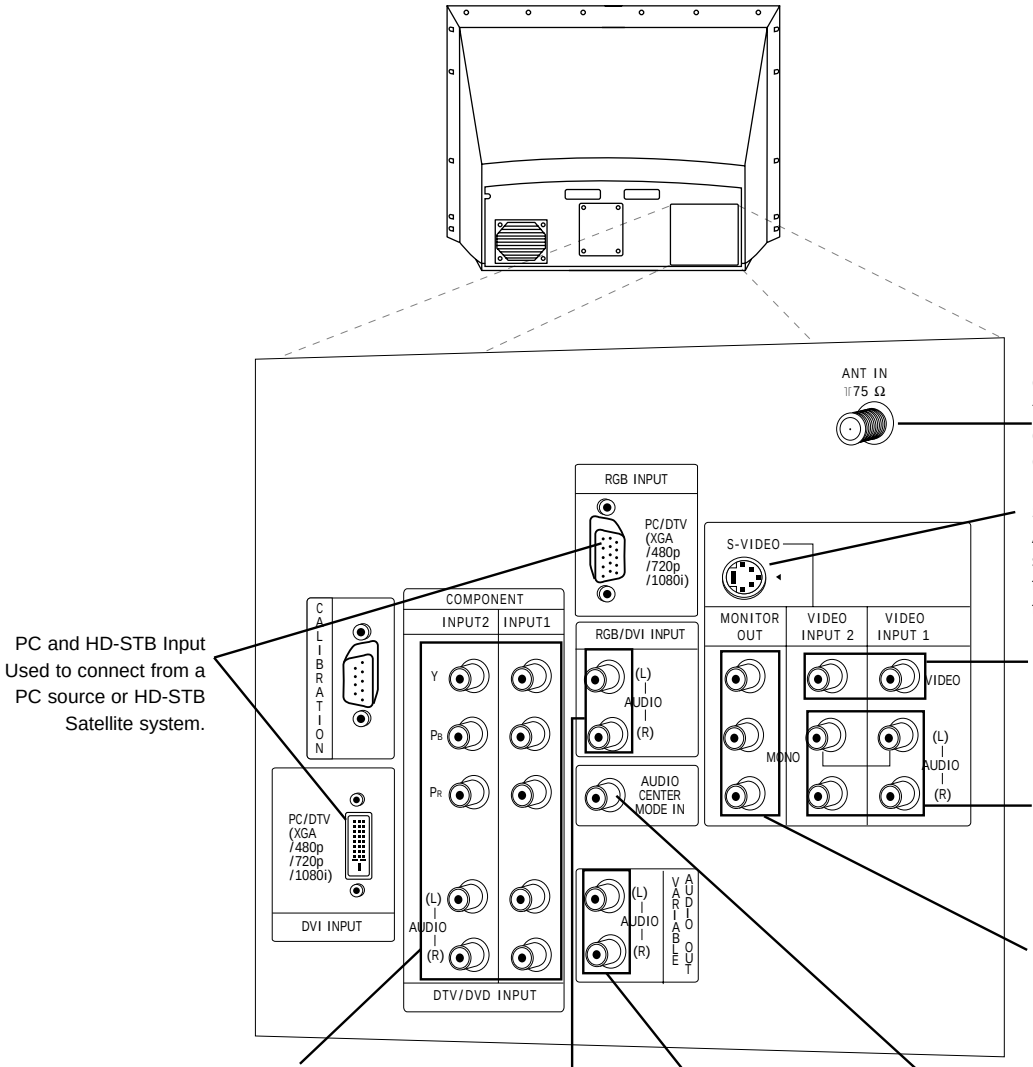


Operation Indicator	Off	Power cord is not connected.
	Red	Power Cord is connected, TV is in standby mode.
	Green	TV turns on.
	Orange (flashing)	Preparing operation in standby mode.
Lamp Indicator	Orange	Projection lamp is reaching the end of its life and needs to be replaced with a new lamp. Contact your service center.
	Red (flashing)	There is a problem with the lamp or around it. Contact an authorized service center.
	Green (flashing)	The lamp cover is not closed.
Temperature Indicator	Orange	The projection TV is overheating. Check the blocked vents of the projection TV and the accumulated dust in the dust filter.
	Red	The projection TV shut down due to overheating.
	Red (flashing)	The projection TV shut down, check the cooling fan. Contact your service center.

DESCRIPTION OF CONTROLS

Rear Connections Panel

Connecting cables and external equipment to your TV.



RF Connector: Antenna
Used to connect analog cable or antenna signals to the television, either directly or through your cable box.

S-VIDEO In
A connection available with some high-end equipment that provides even better picture quality for Video 2.

PC and HD-STB Input
Used to connect from a PC source or HD-STB Satellite system.

Video 1 or 2
Connects the video signals from various types of equipment.

Left/Right Audio
Used for stereo sound from various types of equipment.

Monitor Out
Connects to a second TV or Monitor.

Y, Pb, Pr
DVD Component Video and HD Component Video
Some top-of-the-line DVD players use what is called “component video,” for extremely accurate picture reproduction. Refer to your DVD manual for further information.

PC and HD-STB Audio Input
Used for audio connections from a PC source or HD-STB Satellite system.

Variable Audio Out
Used to connect either an external amplifier, or add a sub-woofer to your surround sound system.

Audio Center Mode In
Connect to external Dolby Digital Center “preamp output.”

Mini glossary

JACK A connection on the back of a TV, VCR, or any other A/V device. This includes the RF jack and the Audio/Video jacks that are color-coded.

SIGNAL Picture and sound traveling through cable, or over the air, to your television screen.

DESCRIPTION OF CONTROLS

Front Connection Panel

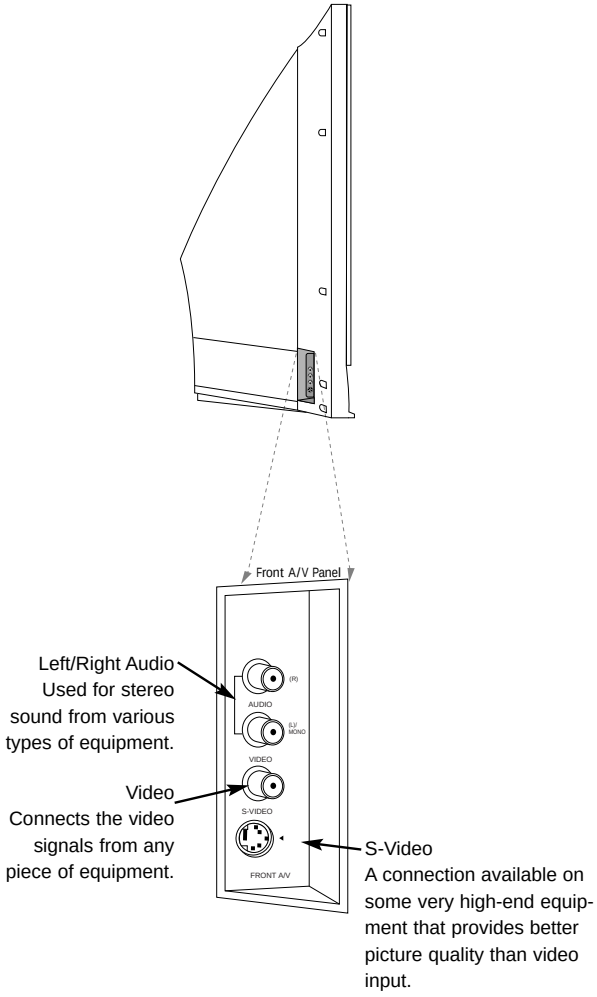
There are four jacks on the left side on your projection TV that make connecting Audio/Video devices like video games and camcorders very simple.

The jacks are like those found on the back jack connection panel. This means that most equipment that connects to those types of jacks on the rear jackpack, may be connected to the front connection panel.

To use the front jacks as the signal source, select them using Main Input menu as described on page 25. They will be named “Front Video” in the Main Input menu.

If you input both Front Video and S-Video, only the S-Video will work.

If you’re connecting a video game device, make sure to change the picture settings with the EZ Picture option in the Video menu.



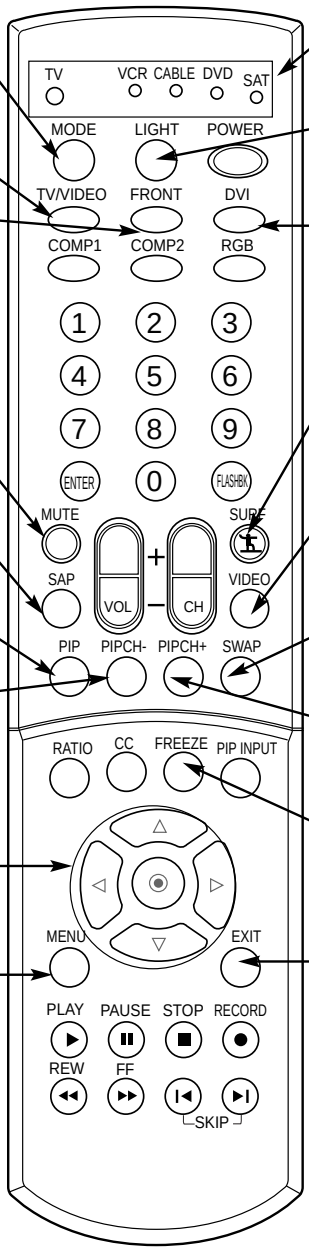
Mini glossary

A/V CABLES Audio/Video cables. Three cable connector—Right audio (red), Left audio (white), and Video (yellow). A/V cables are used for stereo playback of videocassettes and for higher quality picture and sound from other A/V devices.

A/V DEVICE Any device that produces video or sound (VCR, DVD, cable box, or television).

DESCRIPTION OF CONTROLS

Remote Control Functions in TV Mode



MODE
Selects the remote operating mode: TV, VCR, Cable, DVD and Satellite. Select other operating modes, for the remote to control external devices.

TV/VIDEO
Selects: Analog, Video1, Video2, Front video, Component1-2, RGB, and DVI input sources.

FRONT
Selects the front video signal if a device, such as a camcorder or game player, is connected to the front video input jack.

MUTE
Switches the sound on or off

SAP
Selects: Mono, Stereo, and SAP.

PIP
Toggles between PIP, POP (Picture-outside-Picture) and Twin picture mode.

PIPCH-
Changes to next lower PIP channel

THUMBSTICK
Allows you to navigate the on-screen menus and to adjust the system settings and preferences, by moving to an option with◄▲▼► and selecting the highlighted option with◎.

MENU
Brings up the main menu to the screen.

INDICATOR LIGHTS
Show active remote mode every time any button is pressed.

LIGHT
Illuminates the remote control keys.

DVI
Selects: DVI-DTV and DVI-PC input sources.

SURF
Scrolls the Surf channel list.

VIDEO
Adjusts the factory preset picture according to the room.

SWAP
Switches the picture from PIP, POP, or twin picture to the main screen.

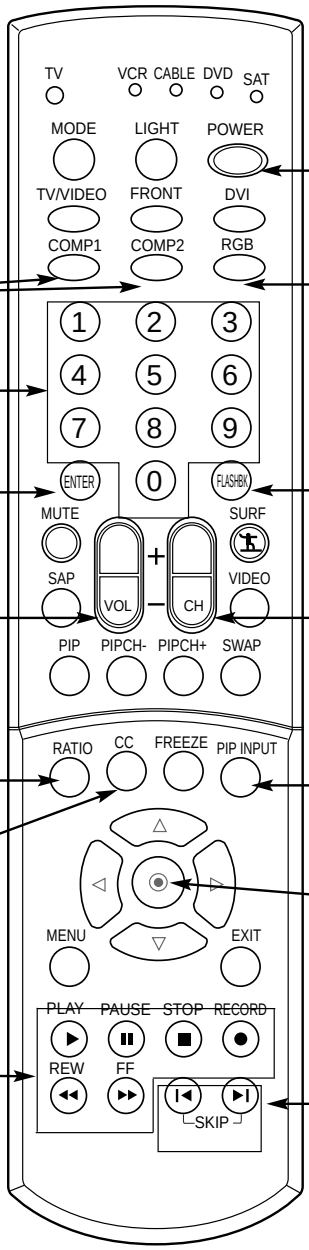
PIPCH+
Changes to next higher PIP channel.

FREEZE
Captures and freezes the currently-viewed main picture.

EXIT
Clears all on-screen displays and returns to TV viewing from any menu.

DESCRIPTION OF CONTROLS

Remote Control Functions in TV Mode



POWER
Turns your TV or any other programmed equipment on or off, depending on mode.

COMPONENT 1, 2
Selects component signal sources, such as DVD or HD receiver.

RGB
Selects: RGB-DTV and RGB-PC input sources.

NUMBER KEYPAD
For direct channel selection and programming functions.

ENTER
When in the menu system and other on-screen displays, selects highlighted options.

FLASHBK
Tunes to the last channel viewed.

VOLUME UP/DOWN
Increases/decreases the sound level.

CHANNEL UP/DOWN
Scrolls through available channels in EZ Scan memory.

RATIO
Changes the screen format or aspect ratio.

PIP INPUT
Selects the input source for the sub picture.

CC
Selects a closed caption mode for displaying captioning information if available on program.

ENTER
When in the menu system and other on-screen displays, selects highlighted options.

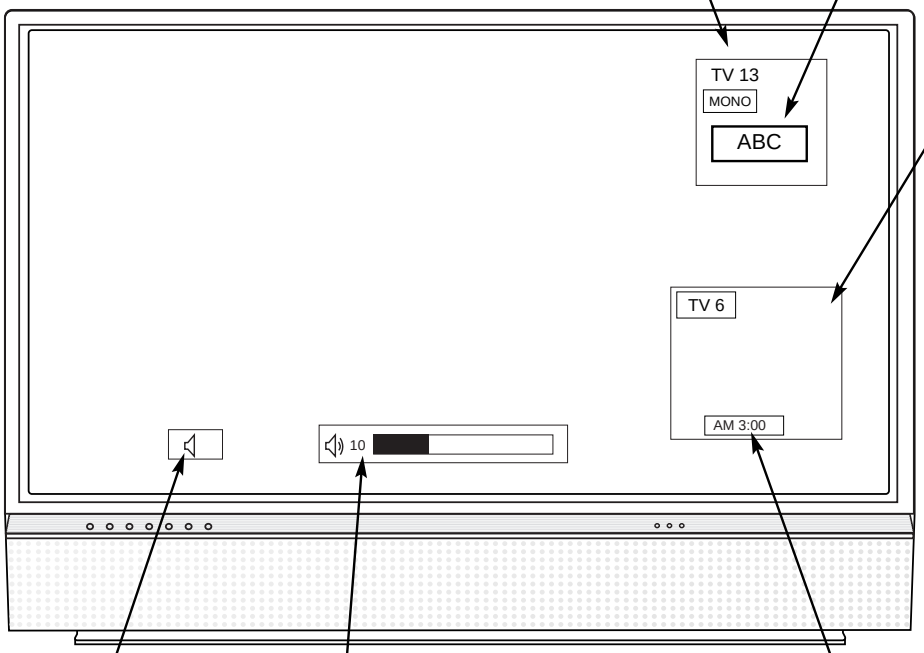
RECORD, PAUSE, REW, FFWD, PLAY, STOP
Control the functions on your VCR.

SKIP
Playing CDs: Selects songs.
Playing DVDs: Selects movie chapters.

DESCRIPTION OF CONTROLS

On-Screen Displays

This page describes your on-screen display and information banner options.



Main Channel Display
Displays current channel number.

Channel Label
If a channel label has been set, then it will appear here.

PIP Display
This display appears when PIP is active.

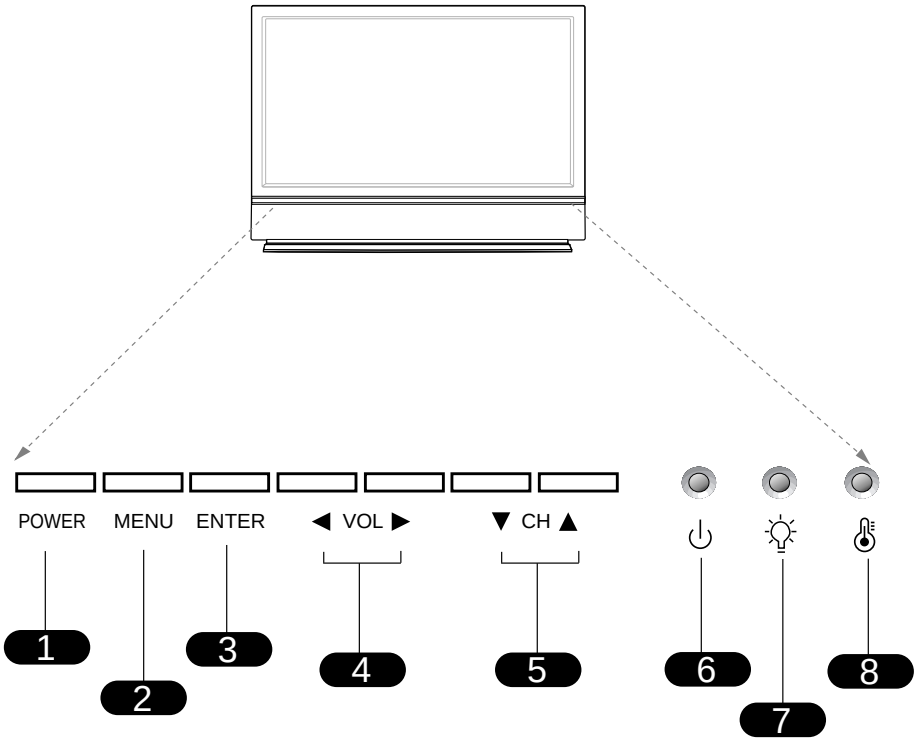
Mute
Appears when sound is muted.

Volume
Volume level is displayed while adjusting the sound.

Time
Appears when pressing the enter button.

DESCRIPTION OF CONTROLS

Front Panel Controls



1 POWER

2 MENU

3 ENTER (Same as ENTER button on your remote control)

4 VOLUME UP / DOWN

5 CHANNEL UP / DOWN

6 Operation indicator.

7 Lamp indicator.

8 Temperature indicator.

The POWER, CHANNEL, TV/VIDEO, and VOLUME buttons work just as they do on your remote control.

If TV is moved from cold to normal room temperature, humidity may form inside TV, wait 3 hours for TV to adjust to room temperature before turning it on.

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions apply to the DLP Projection(Chassis: MB-042H).

2. Notes

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of an insolation transformer will help protect test equipment.
(2) The adjustments must be performed in the correct sequence.
(3) The adjustments must be performed in the condition of 25±5°C of temperature and 65±10% of relative humidity if there is no other specific designation.
(4) The input voltage of the receiver must keep AC 120V, 60Hz in adjusting.
(5) Unless stated otherwise, the set must be operated for at least 5 minutes prior to adjustments.
The heat-run should be performed with a 100% white pattern, but reception of a moving picture may also be possible in unavoidable cases.

3. Composition of Adjustment Mode

(1) Adjustment modes are entered by pressing the ADJ key on the Service Remore Control, after adjustments press the ADJ key to exit.
(2) Initial Adjustment mode menu is shown below. <Fig. 1>

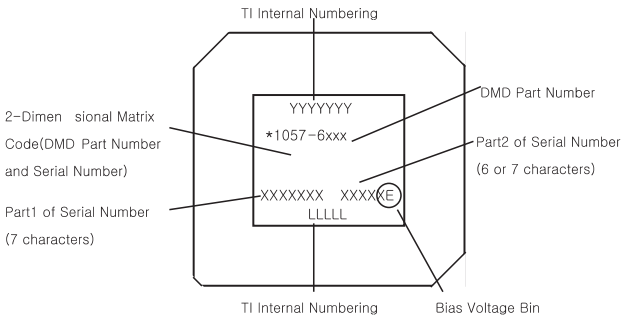


<Fig. 1> Adjustment Mode OSD

(3) As shown <Fig. 1>, using the CH+ (▲), CH- (▼) keys, to select an item, press the ENTER or VOLUME+ (►) keys to enter the appropriate item and begin the adjustment.
(4) Change the value of adjustment by using the volume +(►), volume -(◄) keys. To change adjustment item, use the CH+ (▲), CH- (▼) keys in ADJ Mode.
(5) Press the ADJ key to exit after adjustments.
(6) Preparation for Adjustment
1) Connect the power to TV Set and set “Power on”.
2) Allow set to Heat-Run for at least 5 minitues before adjusting.

4. Driver Board Bin Setting

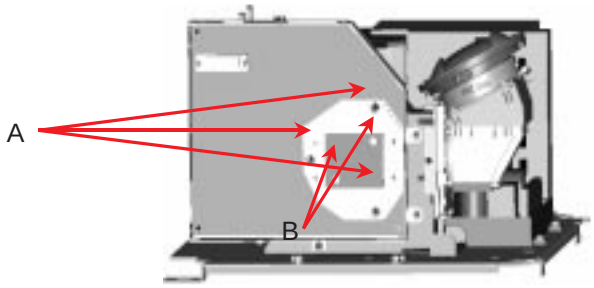
HD3 DMD sets Bias Voltage Bin setting with S/W.
Only, is not the E Type and case of the different DMD sets a Bin setting value at adjustment mode. (DDP1010 adjustment item on subordinate position existence)



<Fig. 2> DMD Marking Locations

5. Adjusting the Optical Engine

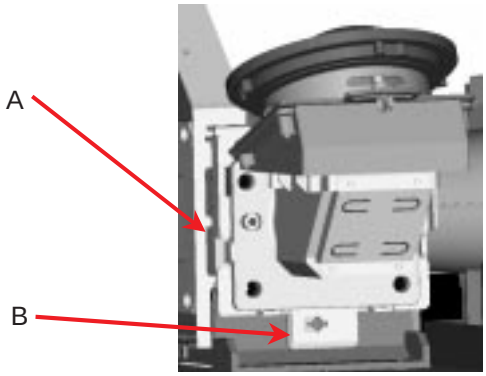
(1) After placing the optical engine on the JIG, adjust illuminator by adjuting with automatic adjustment the B as shown <Fig. 3>.



<Fig. 3>

1) When adjust illuminator, search the scope does not fall in illuminator and Tilt adjustment complete with automation equipment in that scope.
2) After adjusting, A fix with Screw using automation equipment.

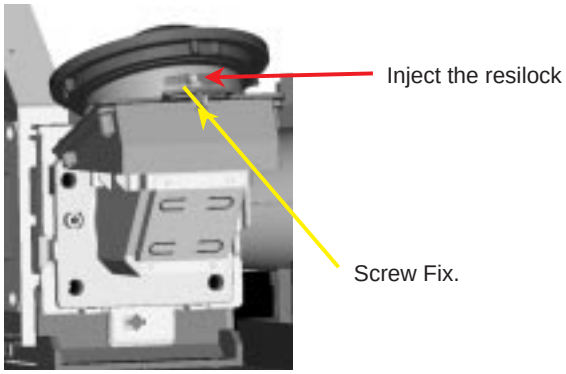
(2) In order to move Optical system the Tilt is adjusted to center of the screen, image with top/bottom direction adjust using B as shown <Fig. 4>.



<Fig. 4>

1) Turn B CW to move the image up, CCW to move the image down.
2) Turn A CC to move the image right, CCW to move the image left

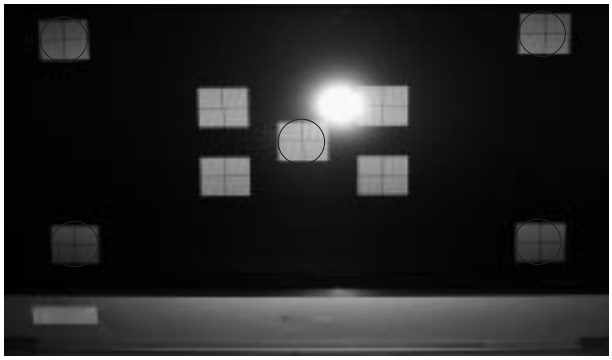
(3) After adjusting the illuminator, adjust the focus by using the focus adjustment screw of projection lens. After adjusting, fasten the screw tighty and secure with sealer.



<Fig. 5>

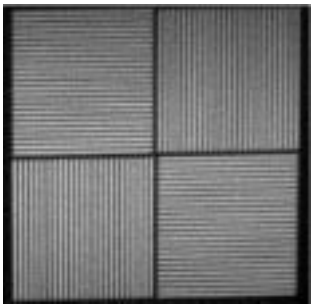
※ Note: The focus check point is not the screen center but the upper/lower screen.

1) <Fig. 6> shows the pattern for Focus adjustment



<Fig. 6>

2) Adjust the 4 green ellipse so that all are in equal focus.
3) If you can't check the DMD cell bourder at red center position after adjustment, regard as NG.
4) <Fig. 7> shows the magnified pattern for checking the focus adjustment



<Fig. 7>

6. Adjusting the Actuator

(Initial Data: ACT Phase=220, ACT Gain=60)

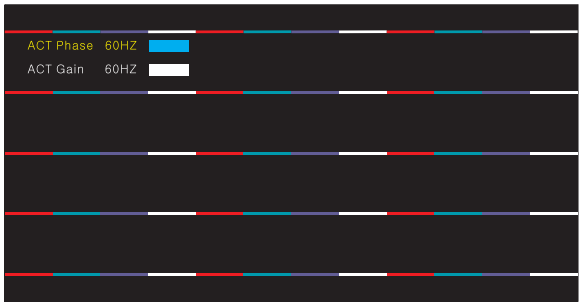
6-1. Required Test Equipment

Service Remote Control

6-2. Preparation for Adjustment

(1) Connect a power source with TV Set and turn TV set on.
(2) Using the Service Remote Control, enter from ADJ to Actuator.
(3) ACT Gain and Phase is variable and the Tartan plaid of R, G, B, W Horizontal Line adjust not distinguished not to be.
1) The Phase variable adjust Mutation point of Actuator.
2) The Gain adjust mutation quantity of Actuator.

* The Tartan plaid of R, G, and B adjust not visible not to be. But, when the R, G and B will not agree, adjust with point R and G agree.





Before Actuator Adjustment After Actuator Adjustment

<Fig. 8> Test Pattern

7. Caution for DMD (Digital Micro-mirror Device)

7-1. Caution for DMD ESD

(1) Use a grounding strap to prevent ESD (Electrostatic Dischage) damage when handing the DMD.
(2) Connect the grounding strap to a ground point on the workbench.
(3) Keep the DMD in an ESD Safe container when not being used or in transit.
(4) Wearing gloves will help prevent ESD damage and help preserve the physical condition of the DMD.
(5) All work should be performed in a static free environment.
(6) Use caution and remove any dust particles on the DMD front glass or back pins/pads.

7-2. Caution for DMD Cleaning

(1) Use caution to prevent scratches to the DMD glass.
(2) When DMD glass stains with dust, polish the front and back DMD glass with soft cloth. Then, rotate the DMD 180 degrees and polish again.
(3) Do not use pressure when cleaning the DMD. The static electricity and pollution can damage the DMD.

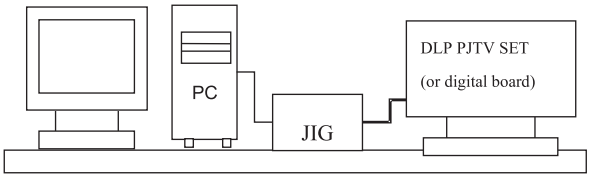
8. EDID Data Input

8-1. Required Test Equipment

(1) A Jig for adjusting PC, DDC (PC serial to D-sub connection device)
(2) S/W for writing DDC(EDID data write & read)
(3) D-sub terminal

8-2. Adjustment Preparation and Setting of Device

(1) Setup as in <Fig. 9> and turn on the PC & JIG.
(2) Operate the S/W for writing DDC(EDID data write & read)



<Fig. 9> Device Setting Diagram of Input EDID Data

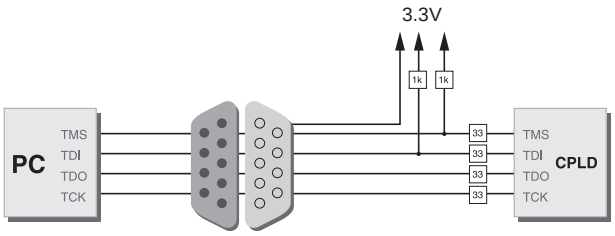
8-3. Sequence of Adjustment

(1) Put the SET(or Digital Board) on the table and turn the power on.
(2) Input the product code, production week / year, serial number (if it is not input, write “01”) to the S/W for writing DDC.
(3) Operate EDID Write command by pressing Function Key F8.
(4) When “OK” letter appear, completed the Write.

9. CPLD Download Work

9-1. Required Test Equipments & Preparation for Adjustment

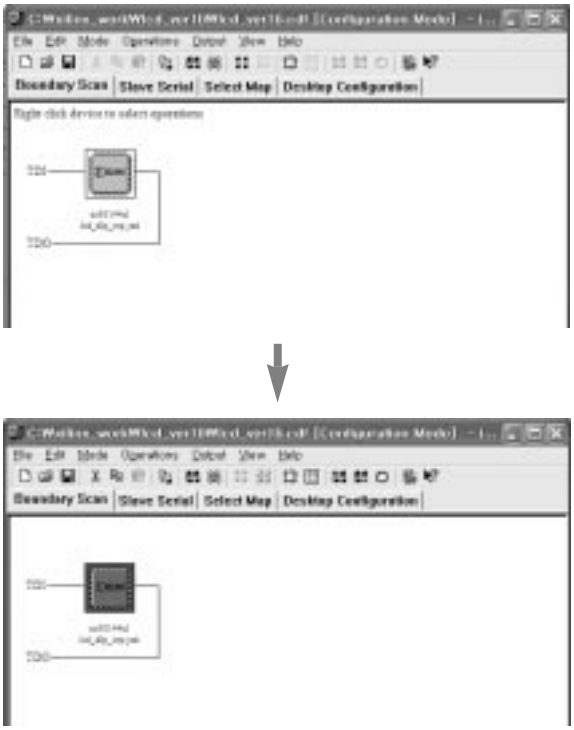
(1) Connect the PC and memory JIG as shown in <Fig. 10>.
(2) Turn on JIG MAIN POWER SW.
(3) After turning on the PC and moniter, operate the device programming software.



<Fig. 10 > How to connect the MEMORY JIG and PC>

9-2. Adjustment Sequence

(1) Once the program is running, [OPTION MODE SELECTION] is displayed in the window.
Check the “Load configuration File(.cdf, .pdr)” in this window and click the finish button
(2) When the screen displays the open window, select the suitable file(*.cdf) according to model.
(3) IC figure is change to green by clicking it.
(Refer to <Fig. 11>)



<Fig. 11>

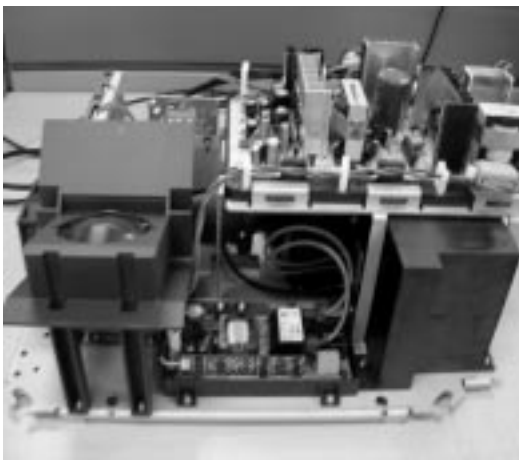
(4) Select program options.
(5) Check the [Erase before programming] and [Verify] menu as shown <Fig. 12> and press the OK button.
(6) At this time, the download starts. The download will finish in about 10 seconds.



<Fig . 12>

10. Tilt & Keystone Adjustment

(Apply the HD3(DLP) Engine)

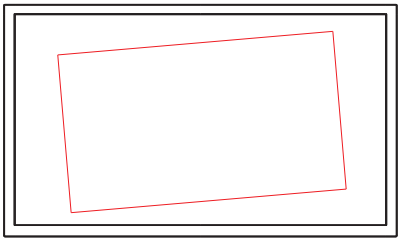


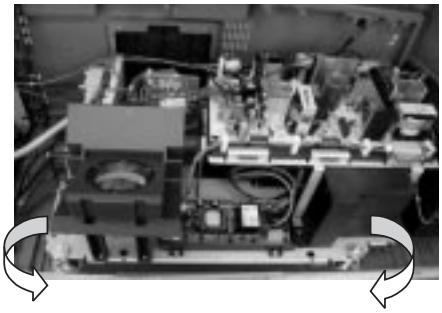
10-1. It followed in Screen Condition, Projector Lens Direction

(1) When the upper portion of the screen is larger than the bottom: Adjust Projection lens upward.
(2) When the upper portion of the screen is smaller than the bottom: Adjust Projection lens downward.

10-2. It followed in Screen Form, Adjustment Method

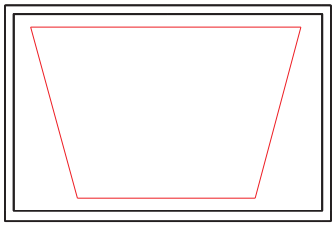
(1) When the screen is rotated: Rotate the Engine to adjust

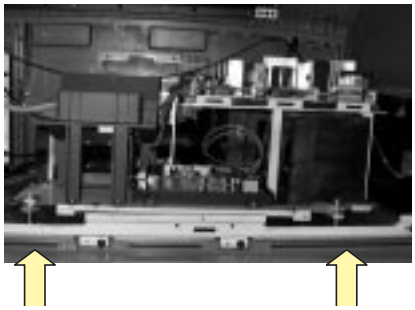




1) Badness Type: Tilt Badness
2) Adjustment Method:
Engine Base rotate with the left/right and fix the horizontality horizontal line of Cross Pattern

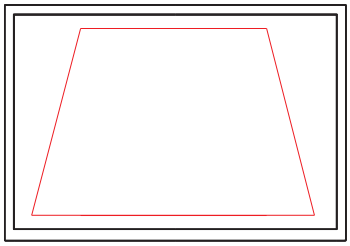
(2) In case of the upper screen size is large bottom screen size than: upward projector

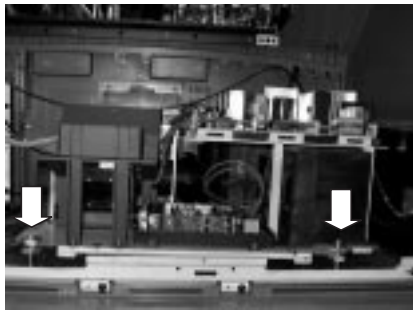




1) Badness Type: Keystone Badness
2) Adjustment Method:
The Engine Base front part raises at upper direction and projection lens to be downward projector.
Bottom screen size a lot, fix the top/bottom screen size to be same as.

(2) In case of the upper screen size is smaller bottom screen size than: downward projector





1) Badness Type: Keystone Badness
2) Adjustment Method:
The Engine Base front part down at bottom direction and projection lens to be upward projector.
Top screen size a lot, fix the top/bottom screen size to be same as.

11. Screen Position Adjustment

(Base value --> H: 384, V: 168)

11-1. Required Test Equipment

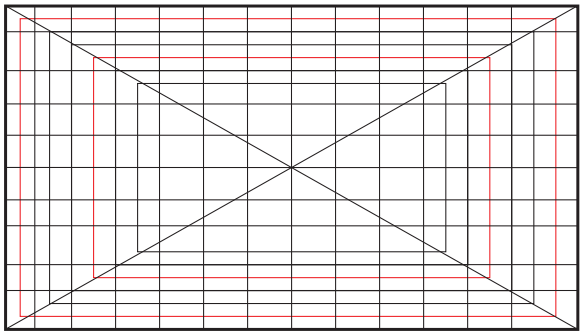
Service Remote Control

11-2. Horizontal Position Adjustment

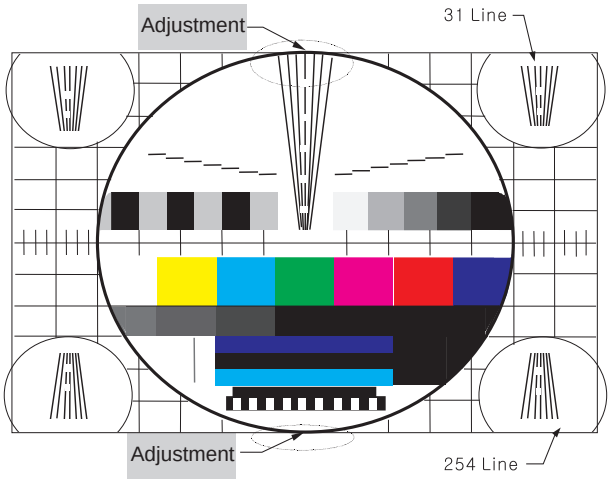
(1) Press ADJ key on the remote control to enter the adjustment mode.
(2) Select POSITION in the adjustment menu.
(3) AThe adjustment pattern below appears.
(4) Select H_position with CHANNEL key.
(5) Change data with using the VOLUME keys on the remote control in order adjust left/right screen semmetry
(6) If symptom is out of adjustable range: N.G.

11-3. Vertical Position Adjustment

(1) Select V_position with CHANNEL key.
(2) Change data with using the VOLUME key on the remote control in order to adjust up/downscreen semmetry
(3) If symptom is out of adjustable range: N.G.



<Fig. 13> Pattern for Screen Adjustment



<Fig. 14>

* After adjustment is completed, recieve NTSC-M Digital Pattern and check the adjusment level.

12. Component AD9883A Offset/ Gain Adjustment

12-1. Required Test Equipment

Service Remote Control, 801GF/802F Pattern Generator



<Fig. 15> 720P/60Hz HozTVBar Pattern>

12-2. Preparation for Adjustment

(1) Connect power and turn TV set on.
(2) Perform Heat-Run for at least 5 minutes.
(3) Select Component Input.
(4) Receive the 720P/60Hz, HozTVBar Pattern of 801GF/802F. (Refer to <Fig. 15>)

12-3. Offset/ Gain Adjustment

(1) Press ADJ key on the Remote Control to enter the adjustment mode after more than 10 seconds of receiving the signal.
(2) Adjustment is automatic by pressing the VOLUME+ (►) key in AD9883A-SET item of adjustment menu.
"Gain/Offset Adjust" will apeear on the OSD for a short time during adjustment.
(3) After adjustment, "End of AD9883 Adjust" appears and press the ADJ key to exit.

13. CWI/NDC Adjustment

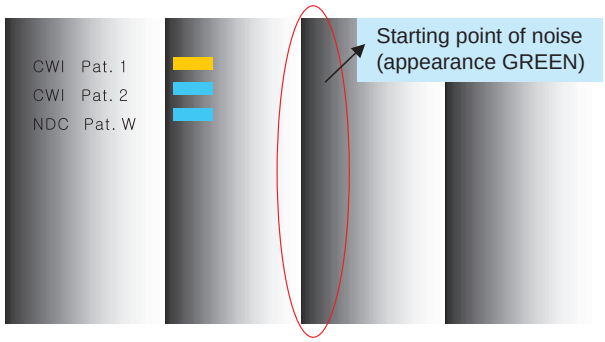
(Base value --> CWI: 170, NDC: 10)

13-1. Required Test Equipment

Remote control for Adjustment

13-2. Preparation for Adjustment

(1) Connect power and turn the TV set on.
(2) Using the Remote Control, enter from ADJUST to CWI/NDC.



<Fig. 16> TEST Pattern(Lamp Gray Pattern)

13-3. Adjustment

(1) Using the Channel key, adjust CWI-Pat.1 to the left/right.
(2) As adjustment, check the appearance noise in the TEST Pattern.
Setting the value reduced 3~4 step at a GREEN noise disappearing spot.

* Intermediate value the point Green color disappears from the Ramp Pattern and the point bottom color purity comes to be uniform from the RED Pattern is same -4 with value Green color disappears from the Ramp Pattern.

(3) Using CH UP/DOWN key of the Remote Control, enter the RED PATTERN.
(4) Check the RED Pattern to uniform. After checking unless abnormality do OK.



<Fig. 17> TEST Pattern(RED Pattern)

13-4. NDC Adjustment

For compensation deviation of each Lamp uses NDC Mode. Sees the Pattern and adjust left/right value using Channel Key on Remote Control for Adjustment to be uniform color of the White. (Lamp life compensation)



<Fig. 18> TEST Pattern

As temperature is different sensitivity, change angle of the color wheel. At this time, the adjustment is done because color may be changed.

14. White Balance Adjustment

(Day Light Mode) : R fixation

14-1. Required Test Equipment

CA210

14-2. Adjustment Sequence

(1) Install the equipment(CA210) be 5cm away from screen center.
(2) Select White balance by pressing ADJ Mode Key on Remote control.
(3) Warm(6500˚K) : x = 0.313, y = 0.320
  1) R Gain 109 fixation
  2) Adjust white balance changing G, B gain.
  3) Offset fixation R/G/B --> -1, -4, -1

(4) Medium(9300˚K) : x = 0.283, y = 0.297
  1) R Gain 111 fixation
  2) Adjust white balance changing G, B gain.
  3) Offset fixation R/G/B --> -4, -5, -1

(5) Cool(12000˚K) : x = 0.275, y = 0.277
  1) R Gain 112 fixation
  2) Adjust white balance changing G, B gain.
  3) Offset fixation R/G/B --> -6, -6, -1

* Reference : Gamma table -> 0
  Spoke Func. -> 0
  Lamp Type -> 1(OSR2/PHIL)

15. Main/Sub Contrast Adjustment

15-1. Preparation for Adjustment

Connect RF-NTSC Cable to rear terminal.

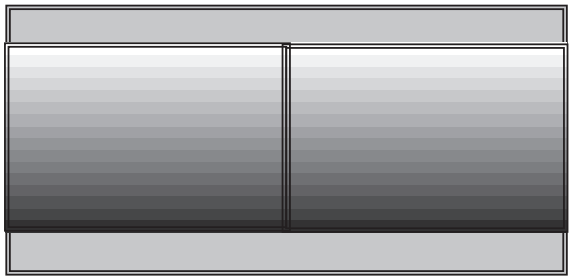
15-2. Adjustment Sequence

(1) Using the Remote Control, enter ADJUST to Contrast. (Base value: MAIN-135, SUB-44)
(2) Select the adjustment item of MAIN/SUB using CH +/- key.
(3) Adjust the contrast of MAIN/SUB using VOL +/- key.
(4) The field and the letters(Number 6) are distinguished. Adjust to be difference of the MAIN/SUB it is few most.

15-3. Overseas Factory Production Contrast Adjustment Method

Adjust which it sees last prosecuting attorney time the screen contrast difference.

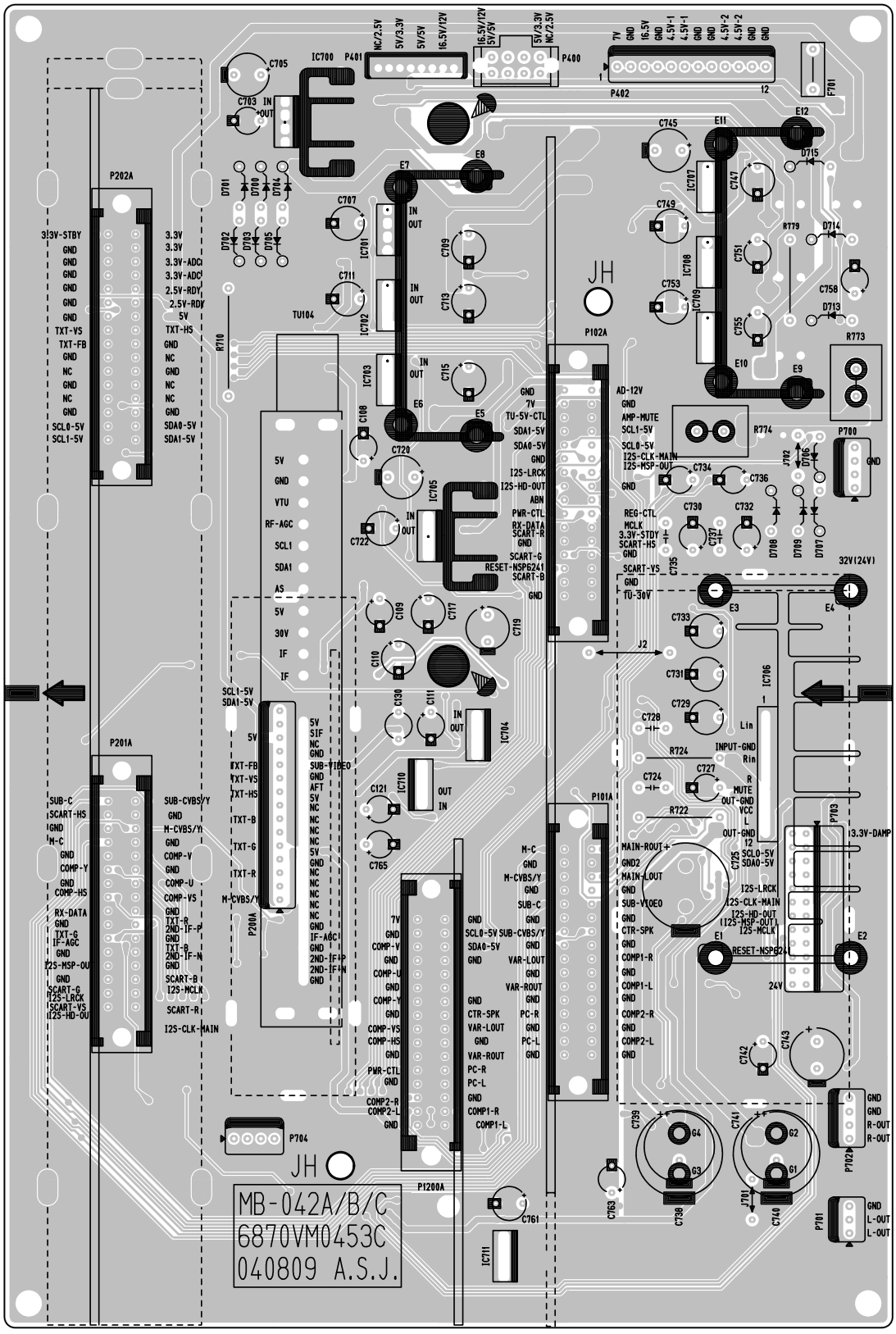
(1) Do the same method as above method.
(2) Make the as same below pattern in VHF 6CH using RF MODULATOR and PATTERN GENERATOR.
(3) Adjust to become dividing 15 and 16 Gray of Main/Sub screen .
(4) Adjust to be identical Main/Sub contrast of MAX 16Gray.
(5) Make the adjustment pattern refer to <Fig. 19>.



<Fig. 19> 16Gray Scale/H Pattern

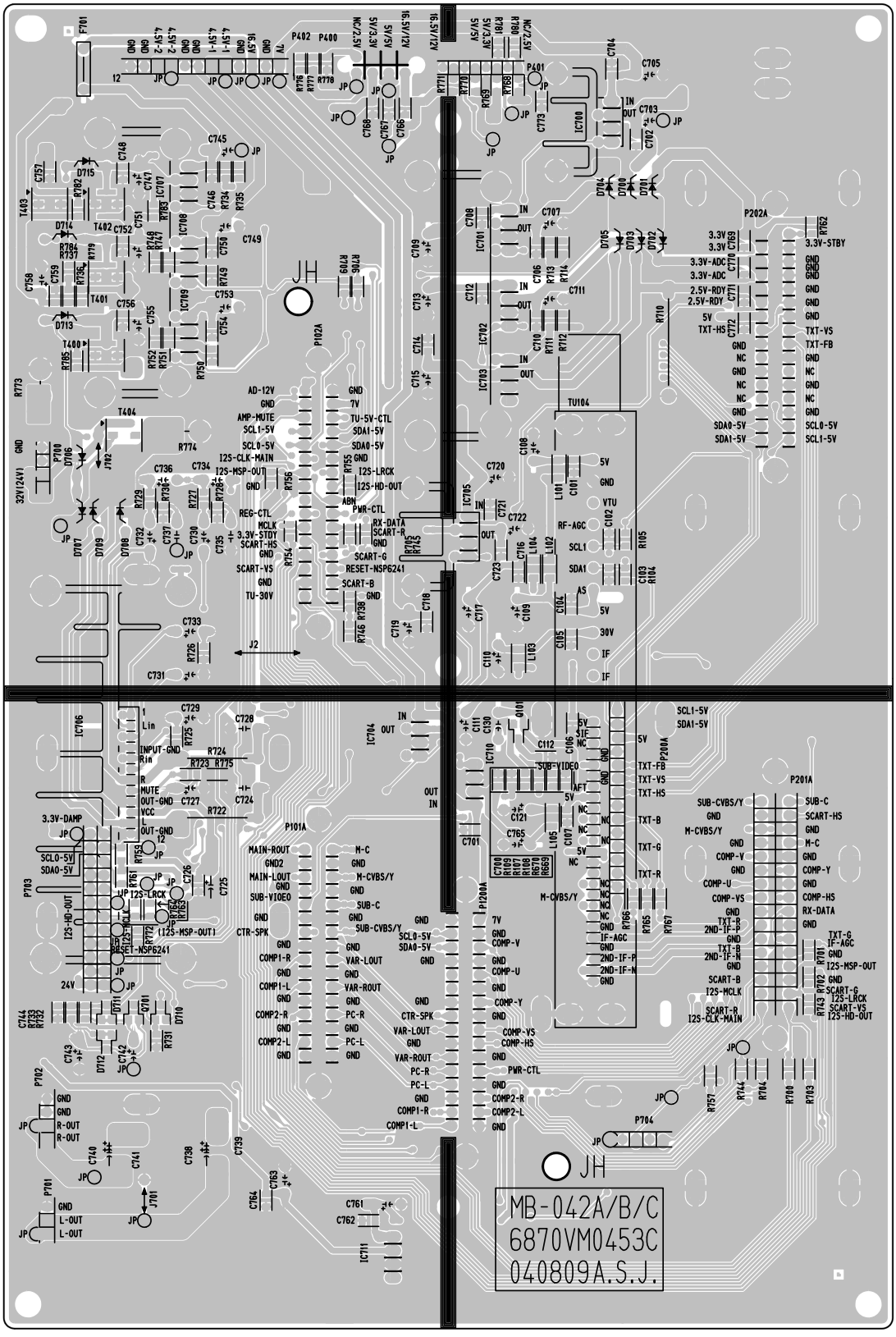
PRINTED CIRCUIT BOARD

MAIN(TOP)



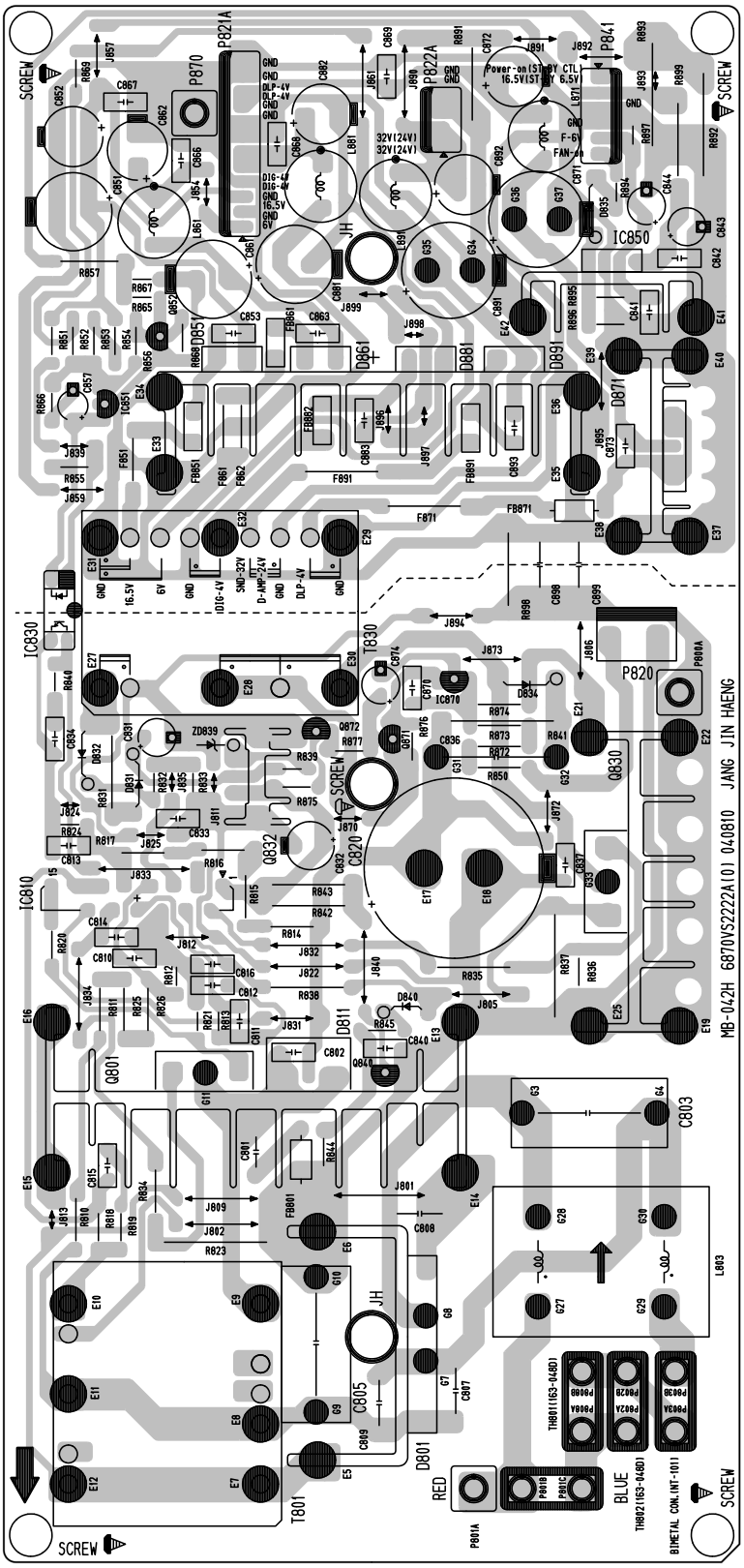
PRINTED CIRCUIT BOARD

MAIN(BOTTOM)



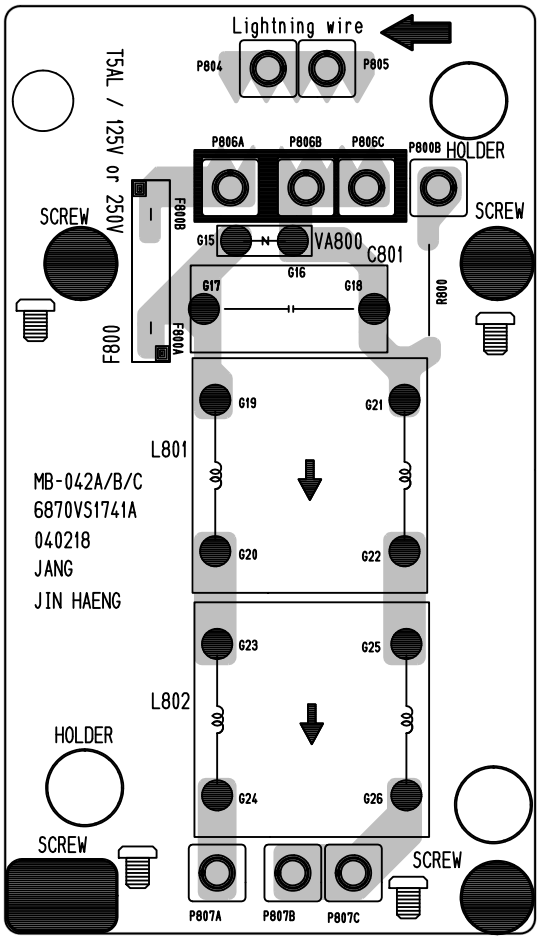
PRINTED CIRCUIT BOARD

SMPS

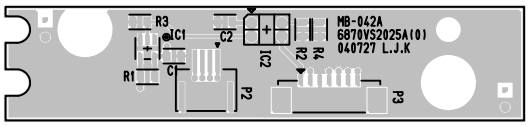


PRINTED CIRCUIT BOARD

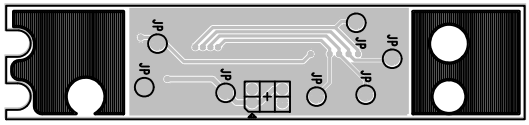
AC INPUT



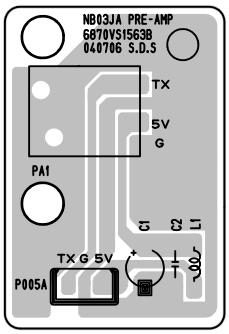
HD3 DLP SENSOR(TOP)



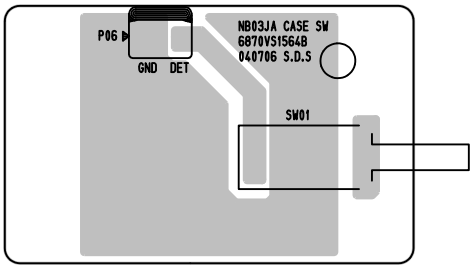
HD3 DLP SENSOR(BOTTOM)



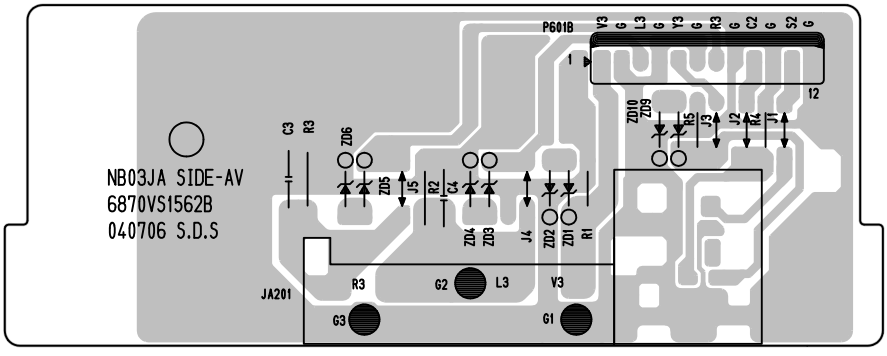
PRE AMP



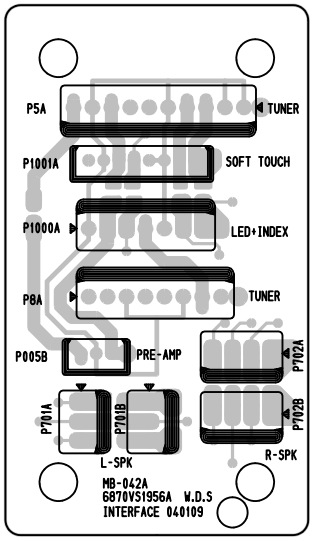
CASE S/W



SIDE A/V

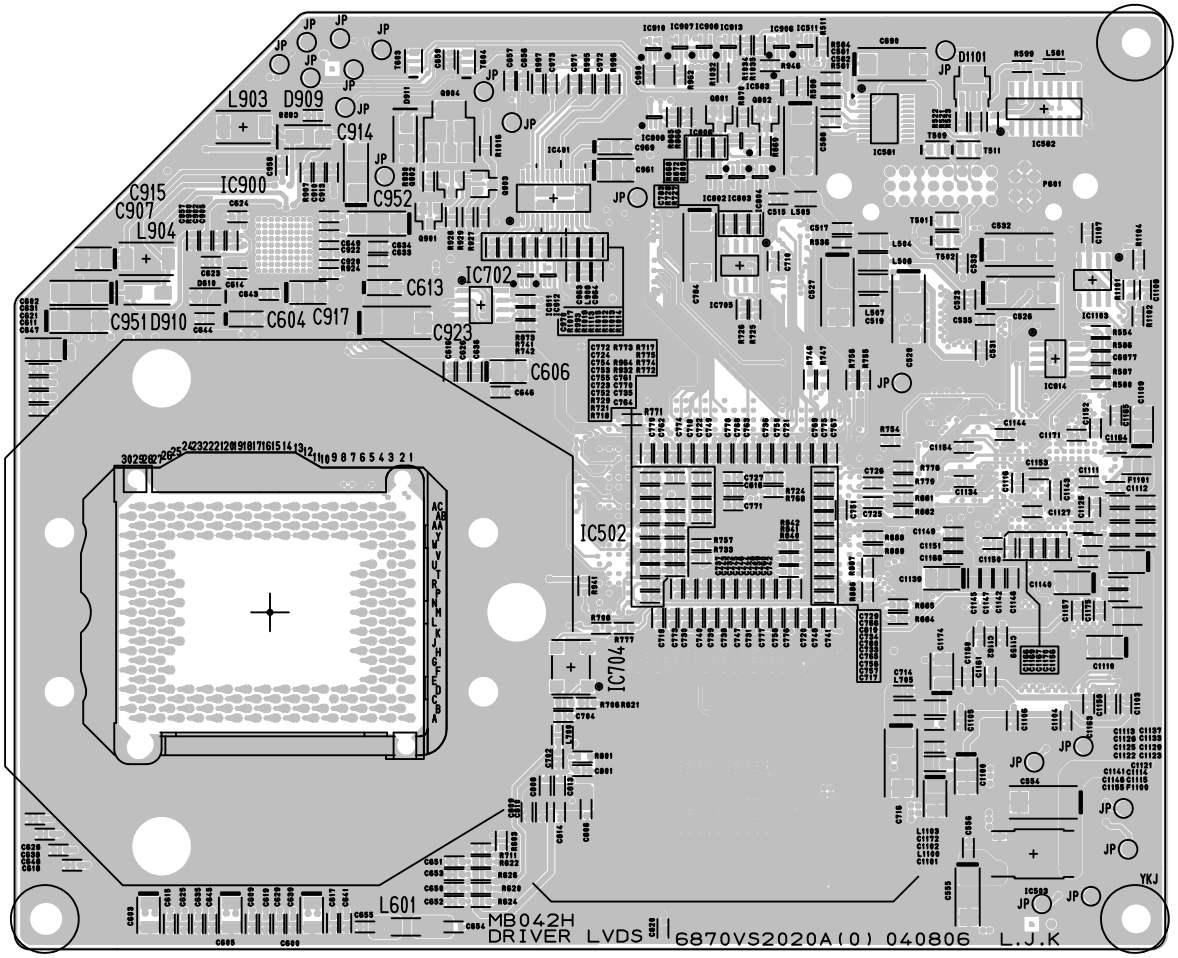


INTERFACE

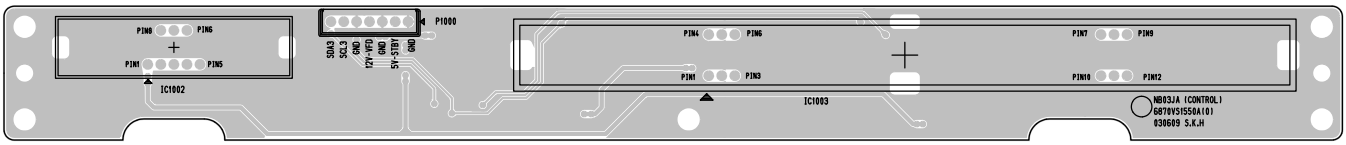


PRINTED CIRCUIT BOARD

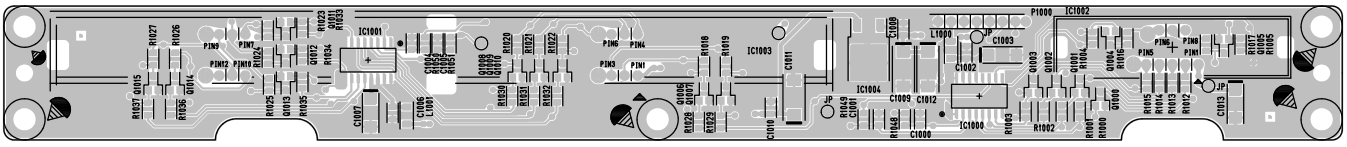
LVDS B/D(TOP)



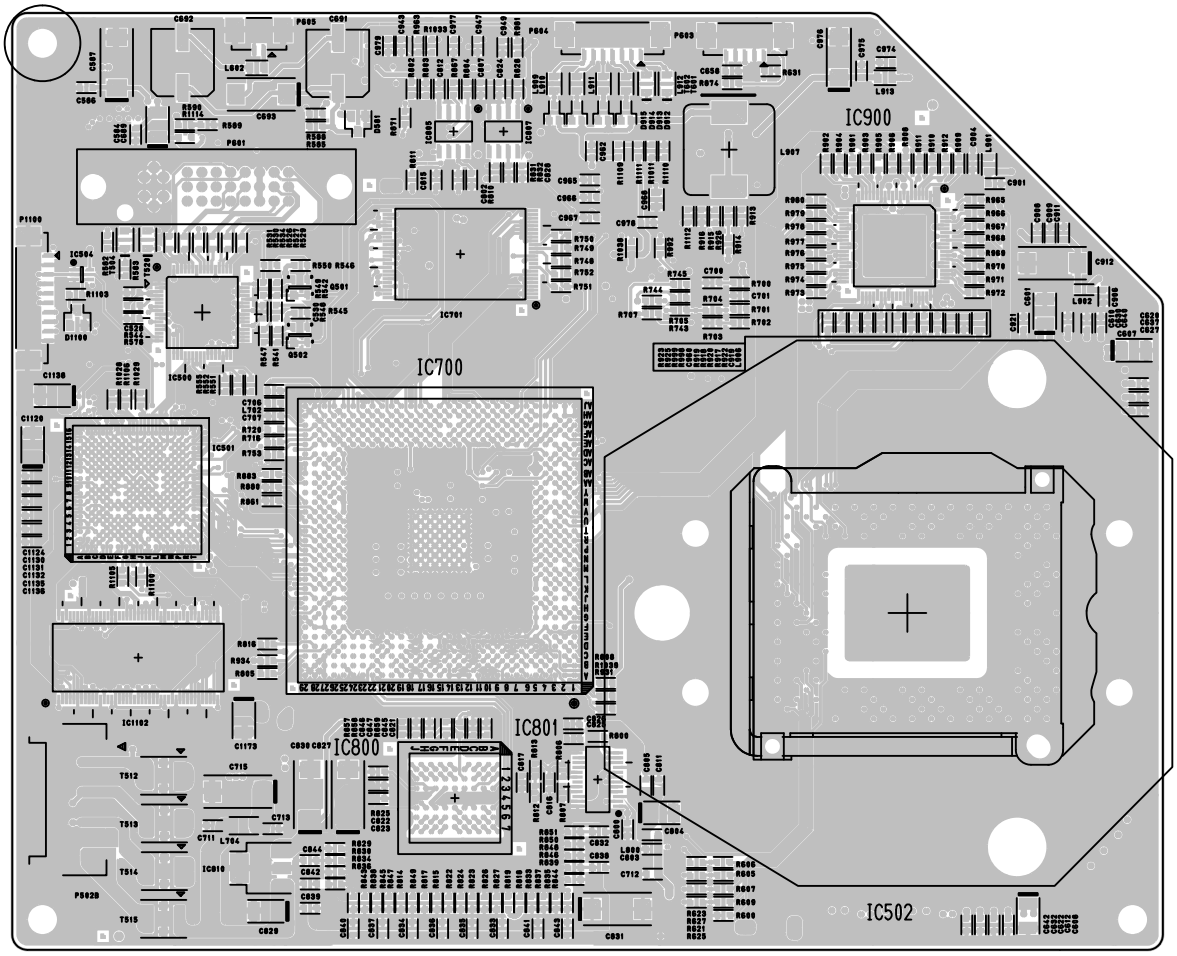
LED(TOP)



LED(BOTTOM)

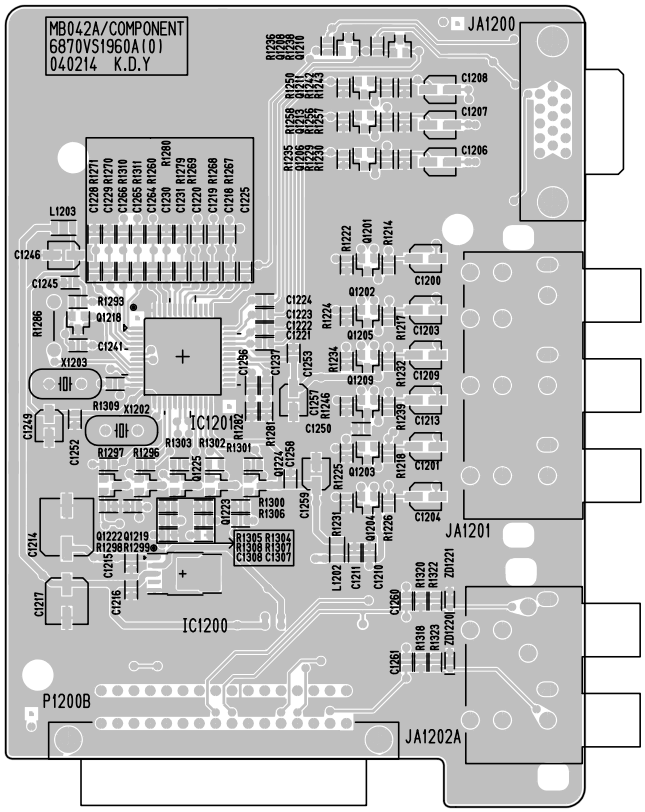


LVDS B/D(BOTTOM)

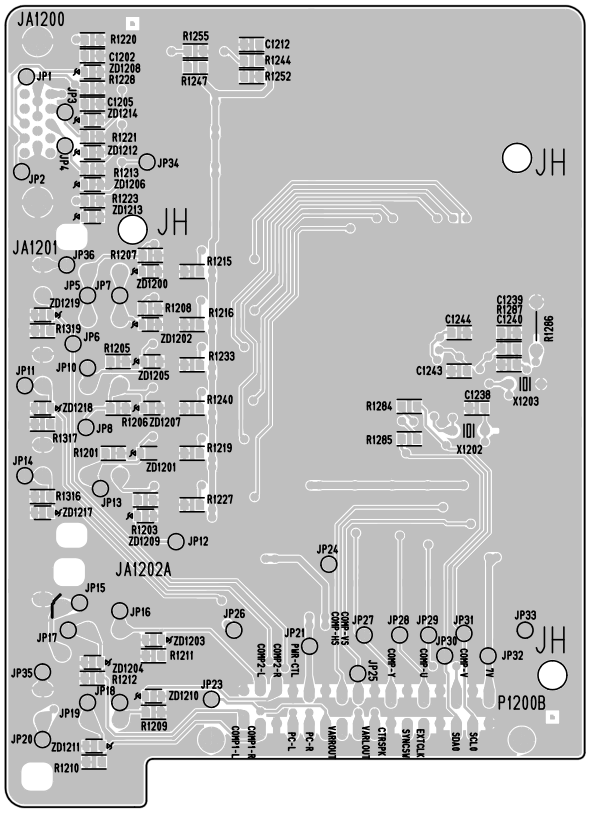


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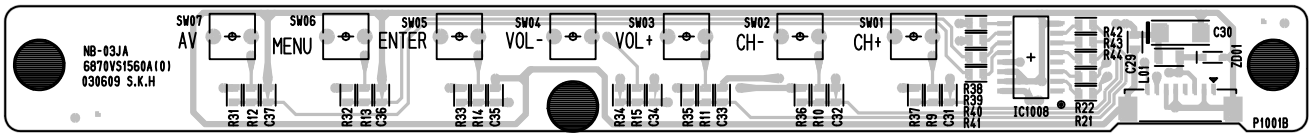
COMPONENT(TOP)



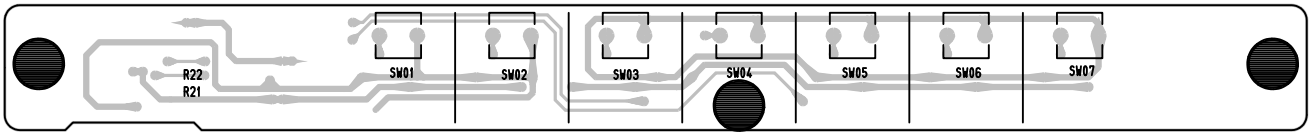
COMPONENT(BOTTOM)



TACT S/W(TOP)

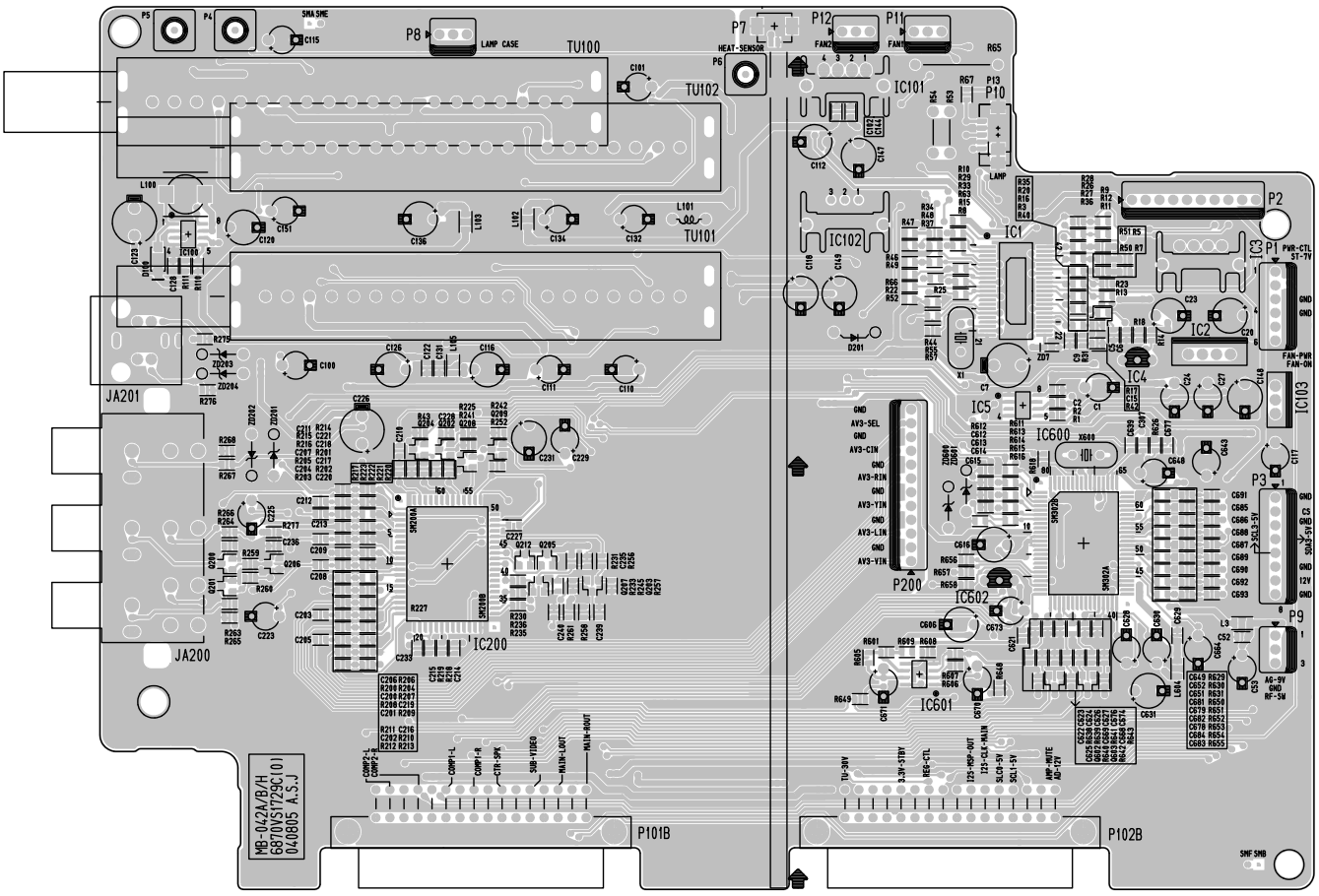


TACT S/W(BOTTOM)

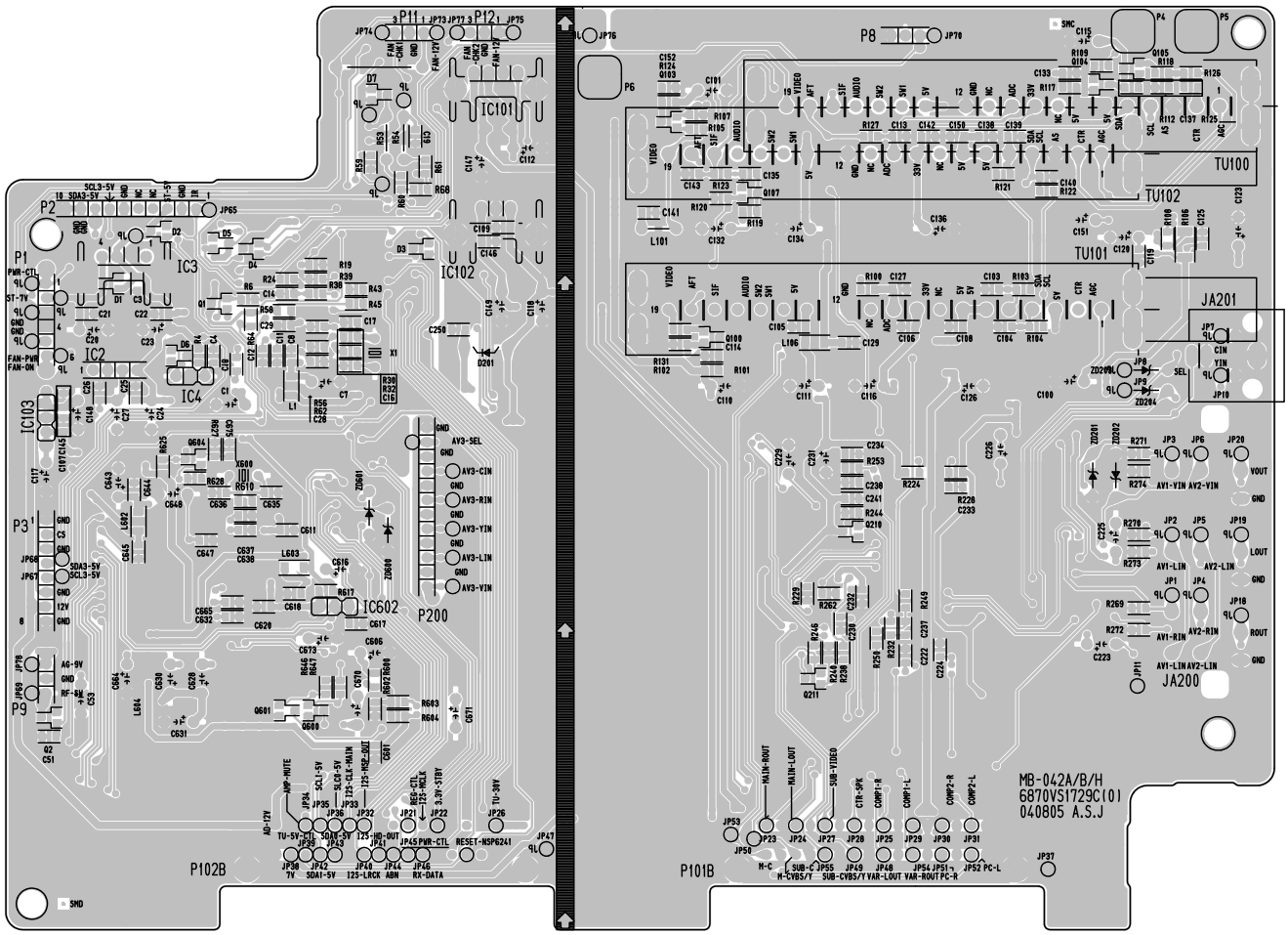


PRINTED CIRCUIT BOARD

TUNER(TOP)

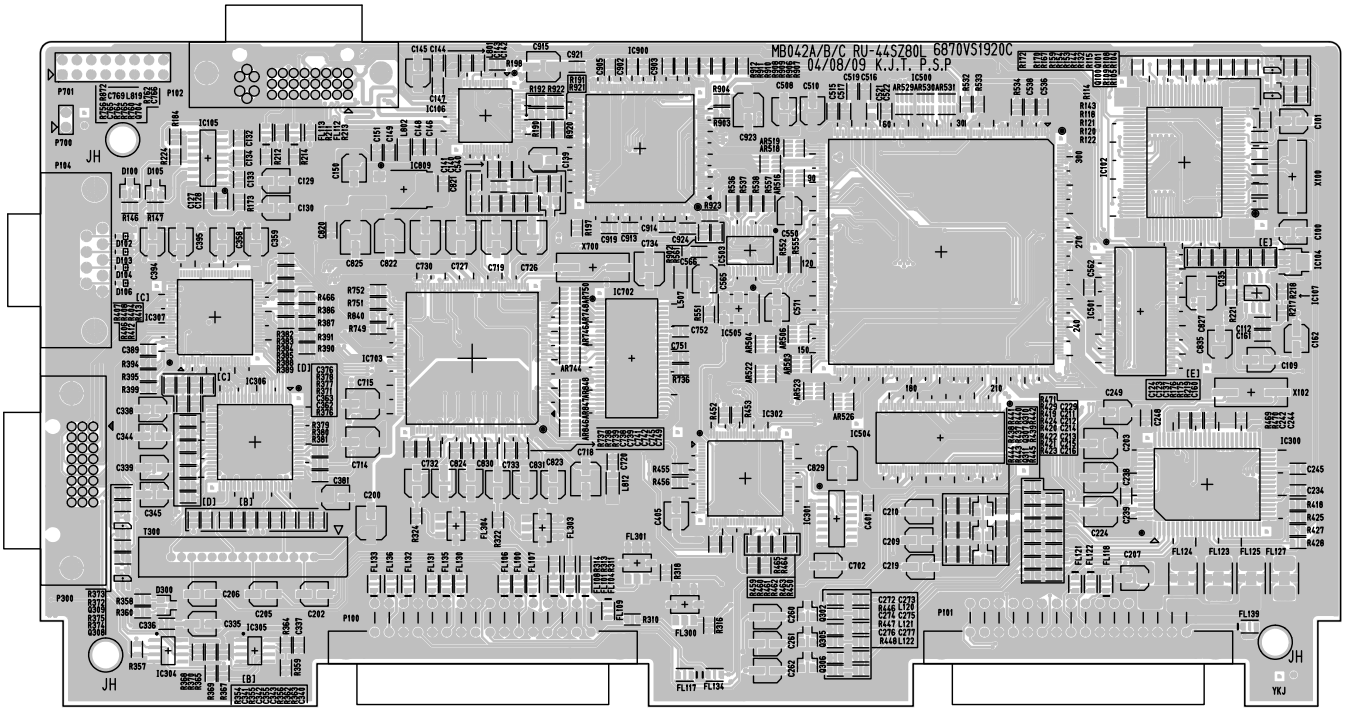


TUNER(BOTTOM)

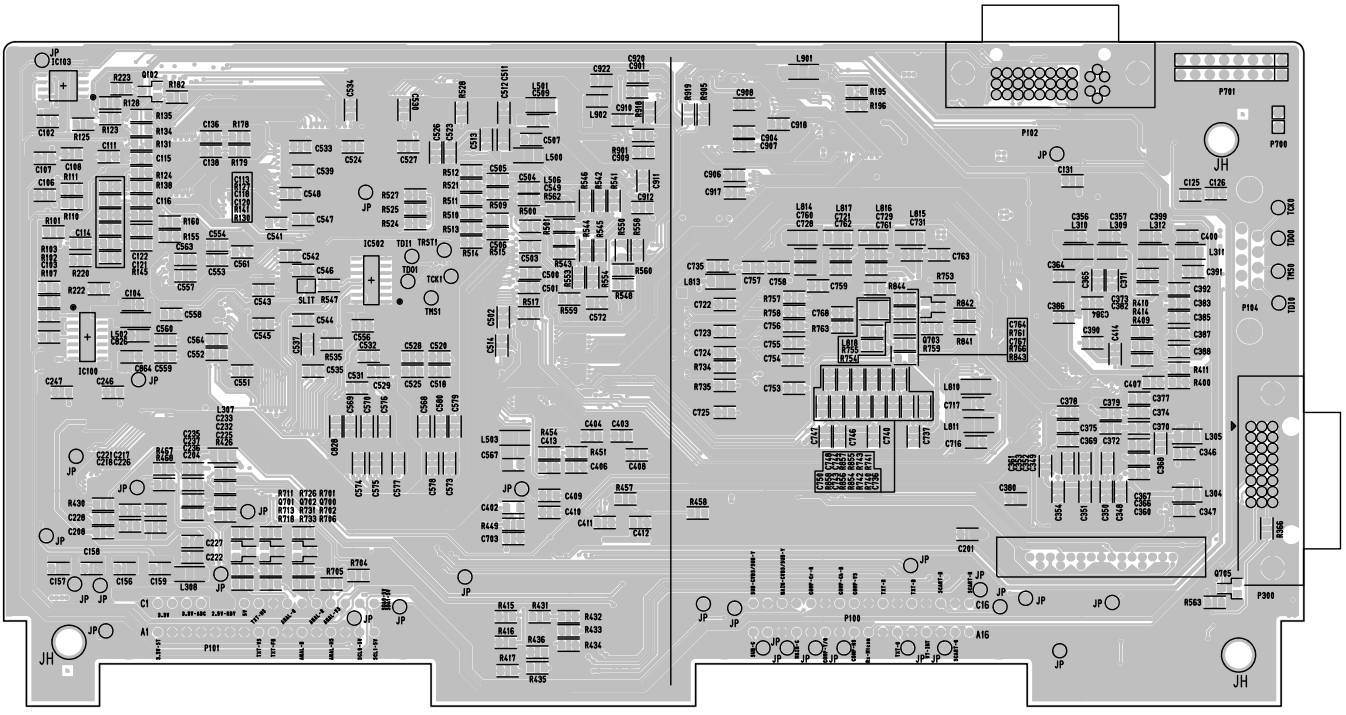


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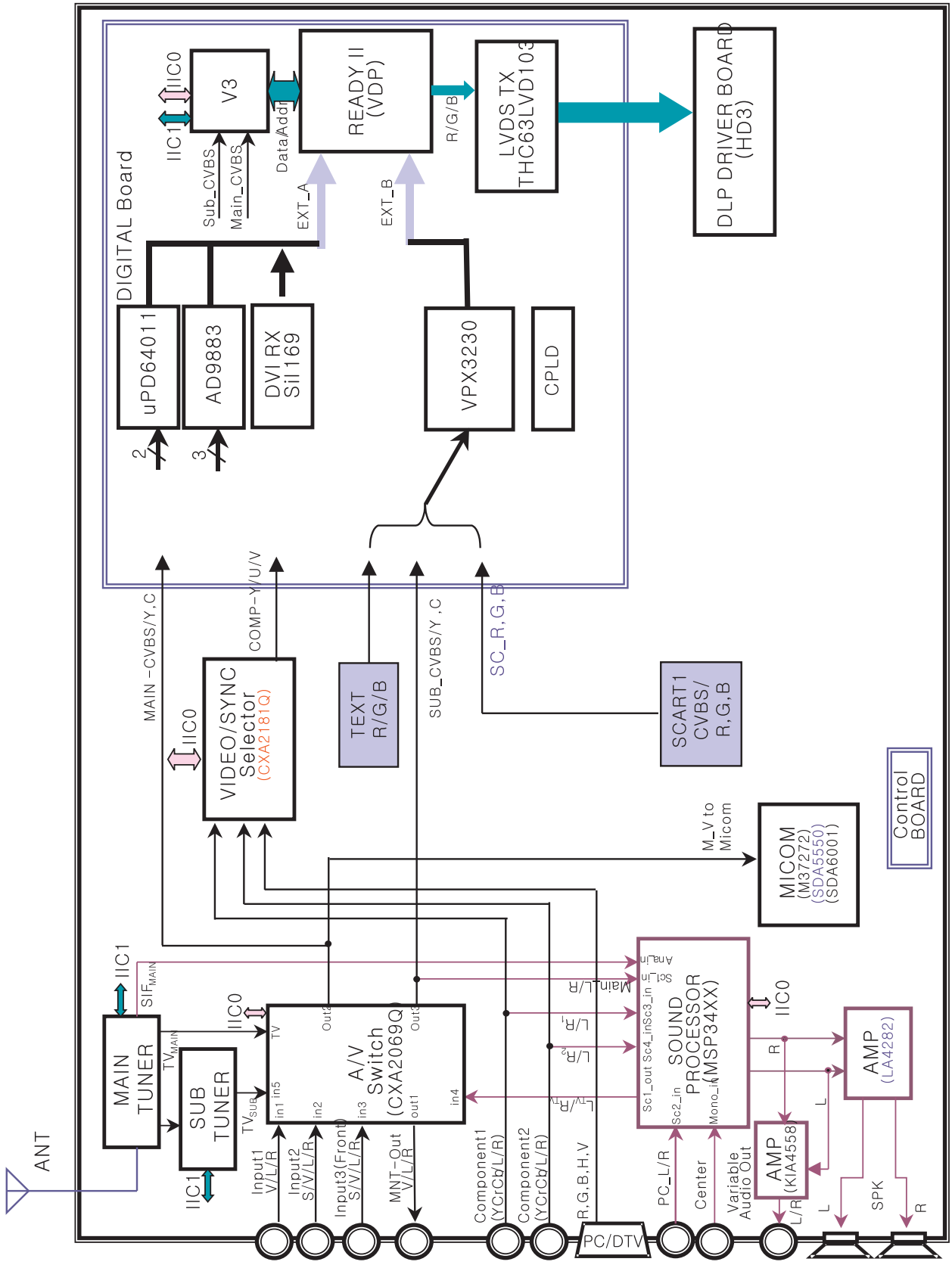
DIGITAL(TOP)



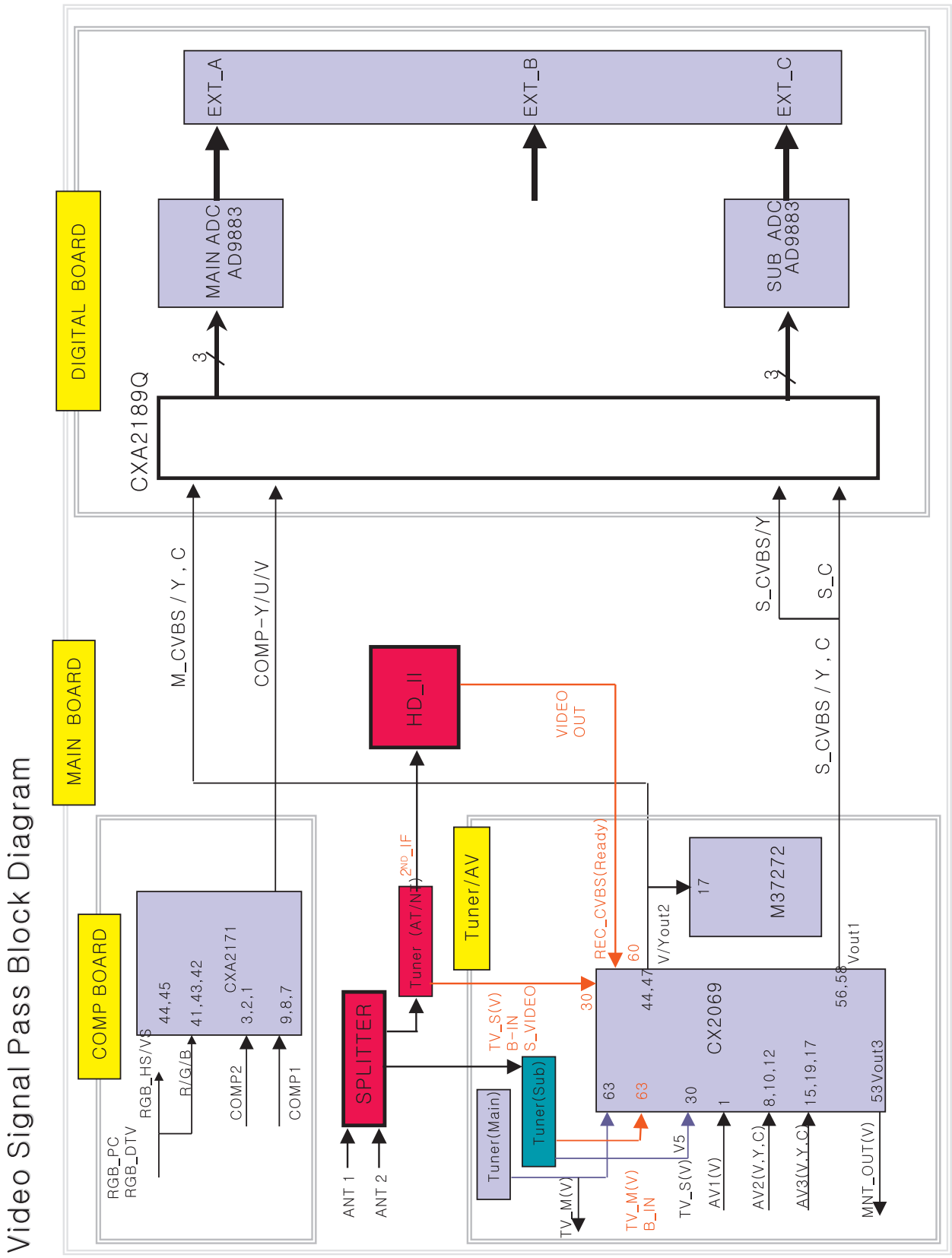
DIGITAL(BOTTOM)



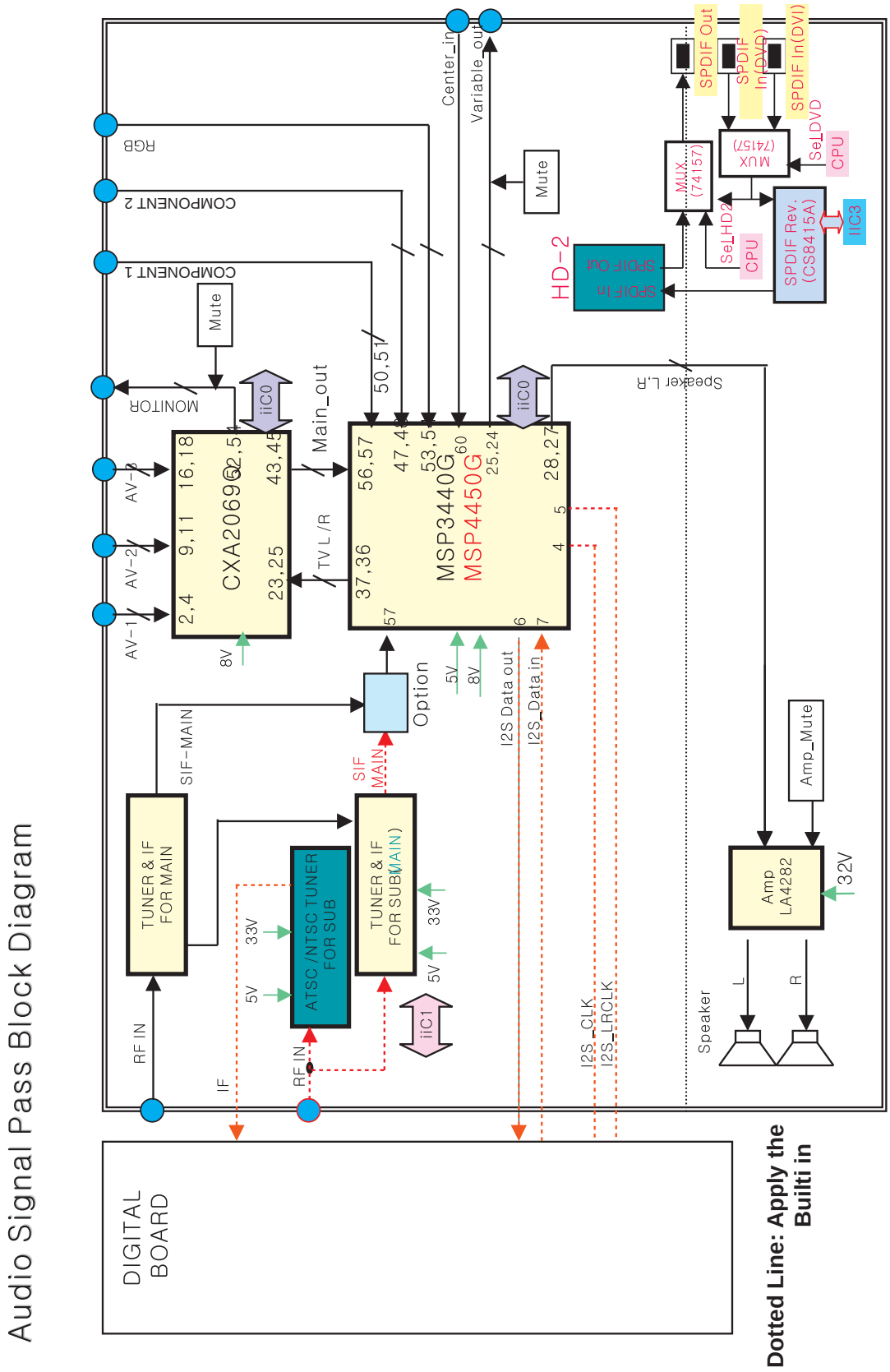
BLOCK DIAGRAM



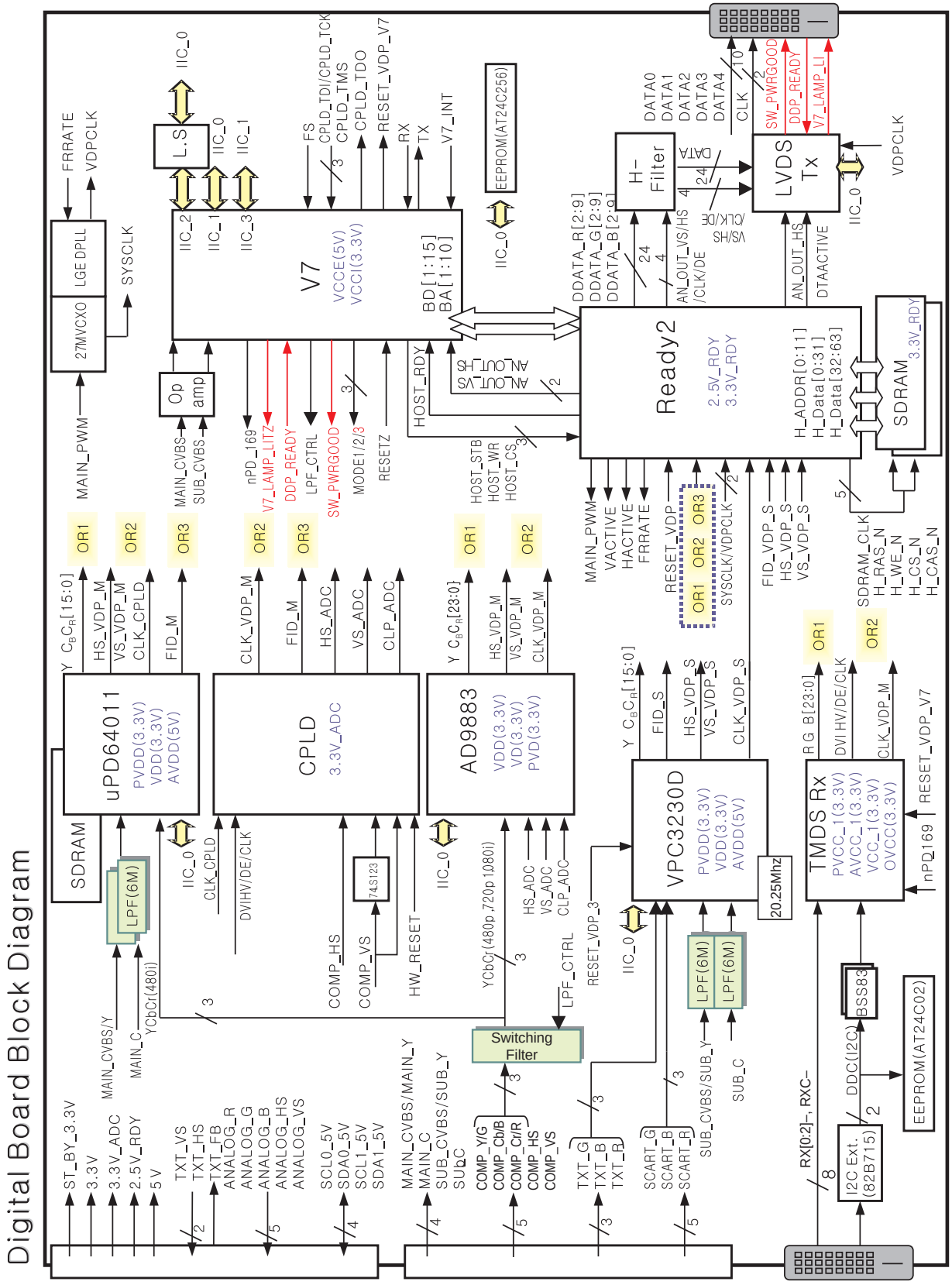
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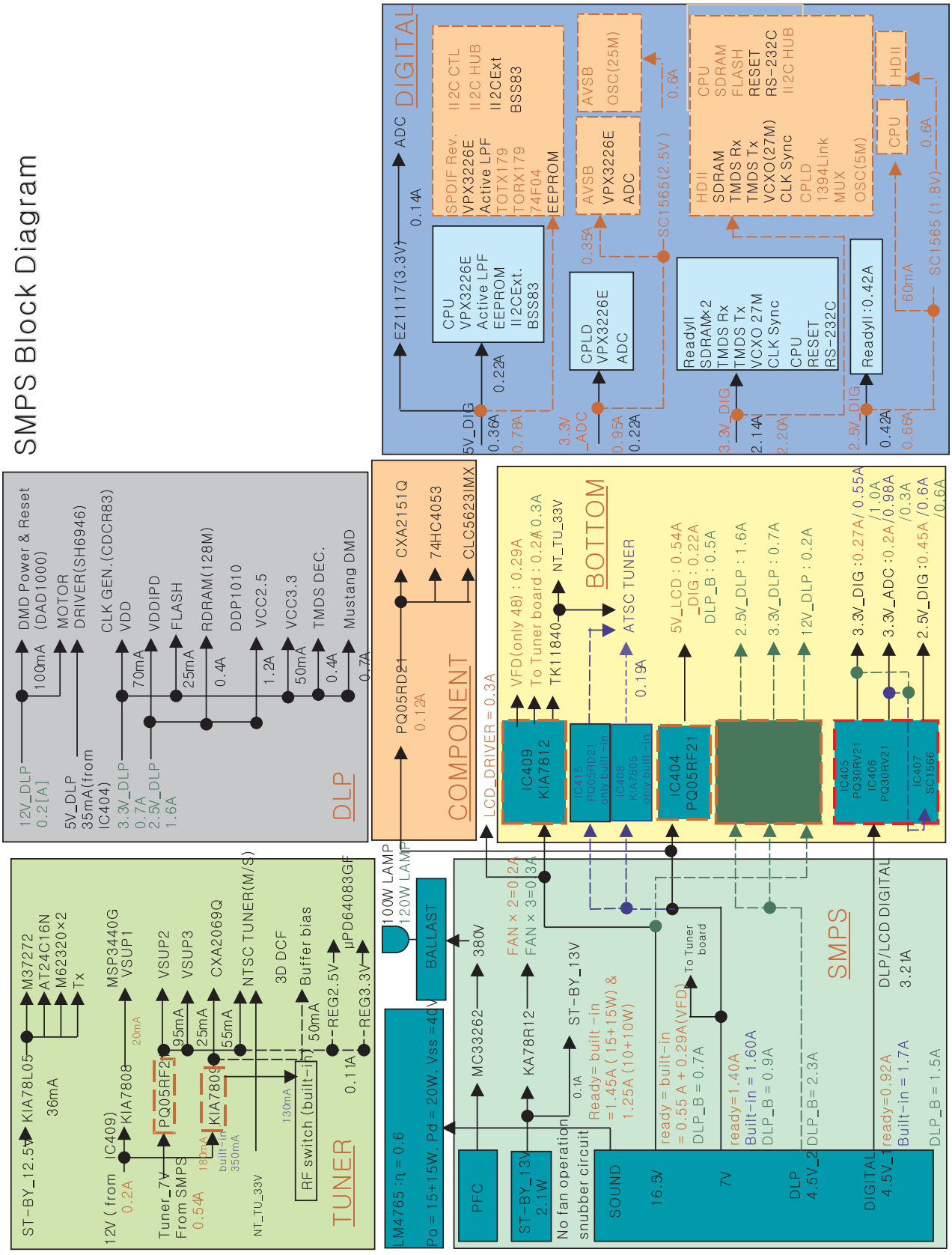
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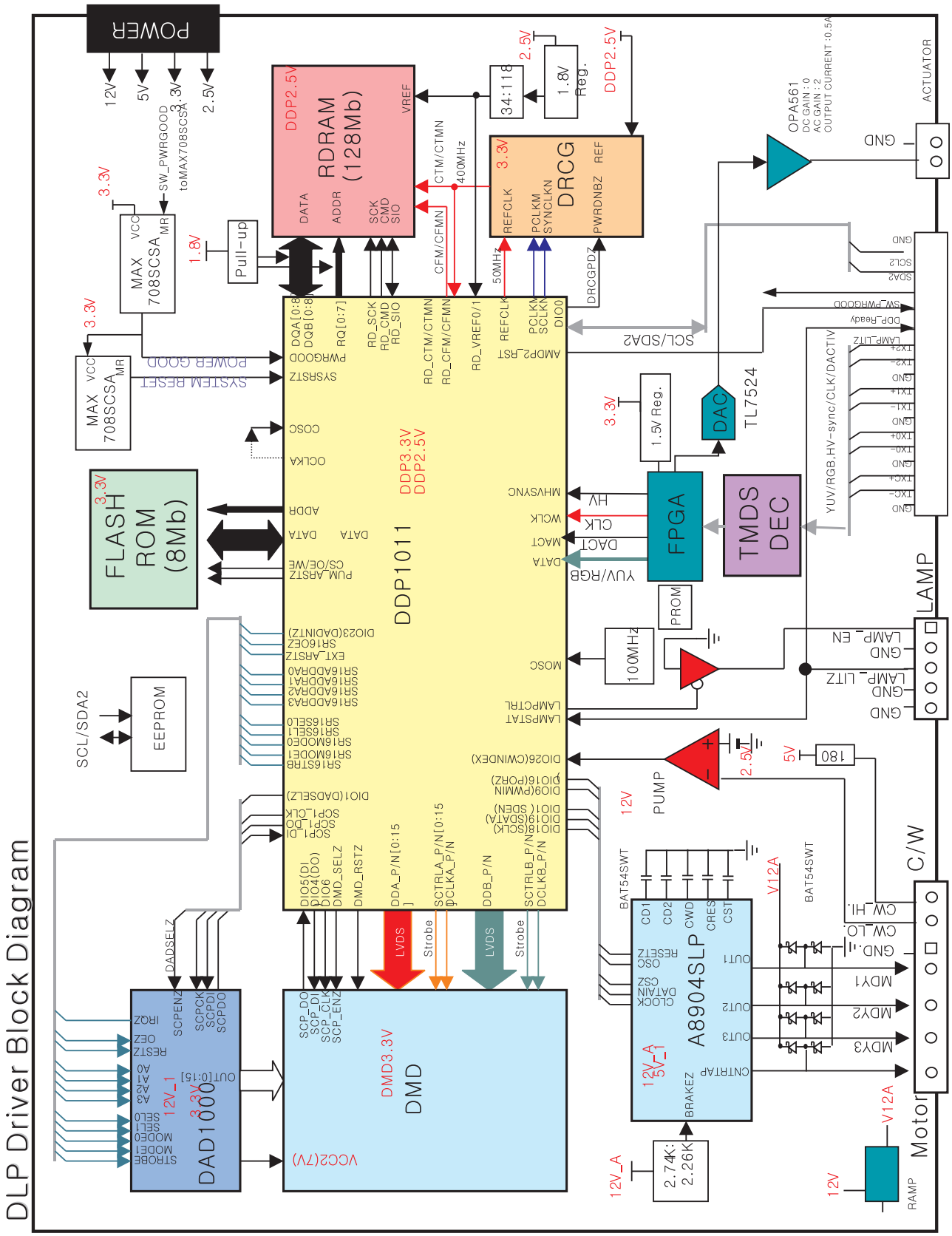
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BLOCK DIAGRAM

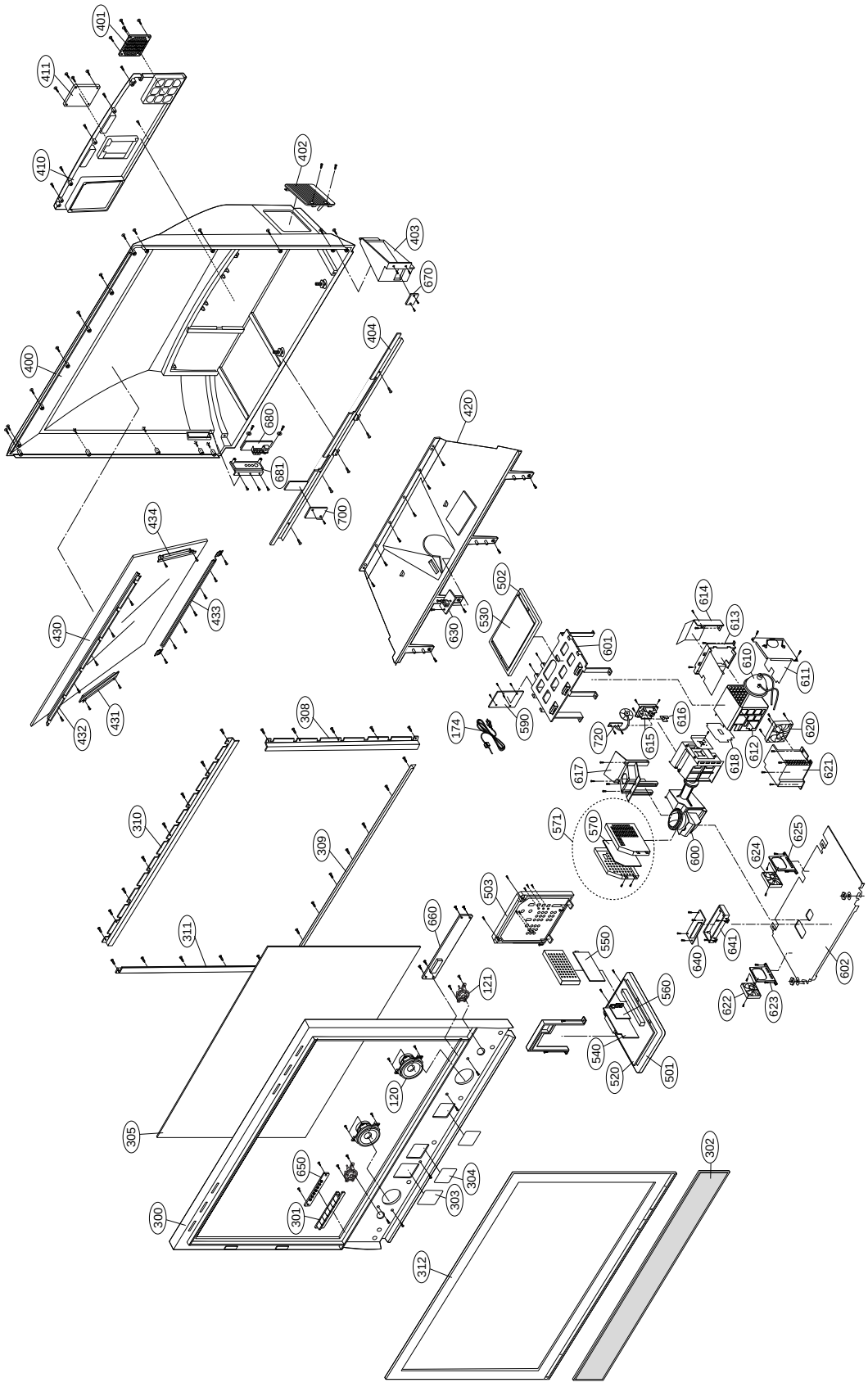


BLOCK DIAGRAM



NOTES

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
120	6400WESC01A	SPEAKER,WOOFER C080P23K1450 ESTEC WOOFER 8OHM 15/25W 84DB 80 NON
121	6400DESA01A	SPEAKER,TWEETER D016D01K1450 ESTEC TWEETER(DOME) 8HMOHM 15/25W 85DB 50 NON
174	6410VUH004A	POWER CORD,UL/CSA3000MM 3P HUG BLACK VOLEX CSA 3000MM HUG BLACK 500MH 7A
300	3091V00577C	CABINET ASSEMBLY,RU-44SZ61D MONO NB03JC MIDDLE NOBLE BLACK
301	5020V00870B	BUTTON,CONTROL DN-52SZ60D ABS, HF-380 7KEY .
302	4811V00070C	BRACKET ASSEMBLY,SPEAKER RU-44SZ61D NB03JC GRILLE BLACK
303	3550V00348B	COVER,DN-44SZ60H EGI PLATE
304	3550V00350A	COVER,RN044SZ50H EGI PLATE C/A RIGHT
305	3351V00025A	SCREEN ASSEMBLY,DN-44SZ60D 1000*570*3.4 OLD STRUCTURE
308	4980V00822B	SUPPORTER,SCREEN EGI RIGHT, DN-44SZ60D
309	4980V00820B	SUPPORTER,SCREEN EGI BOTTOM, DN-44SZ60H
310	4980V00820A	SUPPORTER,SCREEN EGI TOP,RN-44SZ50H
311	4980V00823B	SUPPORTER,SCREEN EGI LEFT, DN-44SZ60D
312	3211V00160B	FRAME ASSEMBLY,FRONT RU-44SZ61D NOBLE BLACK
400	3809V00356H	BACK COVER ASSEMBLY,RU-44SZ63D NON UPPER
401	3550V00269D	COVER,LAMP RU-44SZ51D PC-ABS FAN 7S00115A
402	3550V00311C	COVER,REAR RU-44SZ61D PC-ABS .
403	4810V00815B	BRACKET,COVER DN-44SZ51H/60H NB03KB ABS, AF-303S LAMP SIDE DUCT
404	4980V00814D	SUPPORTER,BACK COVER SECC(EGI) ,FOR TILT BASE
410	3809V00355E	BACK COVER ASSEMBLY,RU-44SZ51D NON LOWER 7S00115A
411	3550V00310C	COVER,RU-44SZ51D ABS, AF-303S BACK(DLP) 7S00115A
420	3550V00356D	COVER ASSY,RU-44SZ51D ABS, AF-303S DUST
430	5018V00066F	MIRROR,REFLECTION AVATEC GLASS FRONTSIDE 981.5(H1)*488.5(H2)*507.0(V)*3.0(T)
431	4810V00819B	BRACKET,MIRROR LEFT,RN-52SZ50H NB03JA PC-ABS .
432	4980V00808B	SUPPORTER,MIRROR AL DN-44SZ60D
433	4980V00809A	SUPPORTER,MIRROR AL LOWER,RN-44SZ50H
434	4810V00818B	BRACKET, MIRROR RIGHT,RN-52SZ50 NB03JA PC-ABS .
501	3210V00165B	FRAME,ABS AF-303S RN-48SZ40H MAIN CHASSIS
502	3210V00280A	FRAME,CHASSIS HIPS 40AF DU-44SZ53D SMPS
503	4811V00125D	BRACKET ASSEMBLY,REAR AV RU-44SZ80L MB042B TERMINAL BOARD
520	6871VMMT65A	PCB ASSEMBLY,MAIN MB-042H BOTTOM M/I ASSY
530	6871VPMA84B	PCB ASSEMBLY,POWER SMPS MB042H M/I FOR RU-52SZ53D
540	6871VSMK06A	PCB ASSEMBLY,SUB TUNER MB042H M/I ASSY
550	6871VSML16A	PCB ASSEMBLY,SUB DIGITAL MB042H M/I ASSY
560	6871VSMAAHA	PCB ASSEMBLY,SUB MB-042G COMPONENT M/I FOR RU-44SZ83D(TOSHIBA OEM)
570	6871VSMH07B	PCB ASSEMBLY,SUB CRM MB03CC 3RD LVDS B/D
571	3141VSNH17B	CHASSIS ASSEMBLY,SUB MB03CC HD3 DMD BOARD
590	6871VPMA88A	PCB ASSEMBLY,POWER SMPS MB-042H AC INPUT M/I ASSY
600	3141VSNH12B	CHASSIS ASSEMBLY,SUB MB03CC HD3 DLP SUB OPTICS SYSTEM
601	4980V00C01A	SUPPORTER,SMPS ET RT-52SZ60D
602	4980V00816E	SUPPORTER,ENGINE ET BASE,RT-52SZ60D
610	6912B22007A	LAMP,HIGH PRESSURE MECURY UHP 120W 1.0 PH E23 PHILIPS 120V 1A 25KV 130MM/160MM
611	4814V00502A	SHIELD ASSY,RT-52SZ60D NB03KB SECC(EGI) .
612	3110V00433A	CASE,HD3 44SZ60D PC CASE LAMP
613	4810V01111A	BRACKET,DUCT DN-52SZ60D AB PC-ABS OUT
614	4980V00D02A	SUPPORTER,FAN EGI AIR FLOW,RU-44SZ63D
615	4980V00B42A	SUPPORTER,AL COLOR WHEEL HOLDER
616	3300V00420A	PLATE,LOCK AL . RT-52SZ60D HD3 PLATE UNAXIS C/W
617	3550V00525A	COVER,RU-44SZ63D HIPS 40AF PROJECTION LENS
618	3300V00473A	PLATE,LAMP
620	5900V09008C	FAN,DC G9232S06B2-AA DONGYANG 92*92*32 6V 1700RPM DC5-8V 0.34CFM 750MM
621	4810V01110A	BRACKET,DUCT DN-52SZ60D AB PC-ABS FAN
622	5900V06007A	FAN,DC F6025S06B2-RH DONGYANG 60*60*25 6 2000RPM . 650MM
623	4980V00813B	SUPPORTER,FAN SPCC(CR) ,DN-44SZ60H
624	5900V06007A	FAN,DC F6025S06B2-RH DONGYANG 60*60*25 6 2000RPM . 650MM
625	4980V01169A	SUPPORTER,FAN SPCC(CR) COLOR WHEEL HD3
630	6871VSMW48A	PCB ASSEMBLY,SUB TX NB03KB PRE AMP
640	6316000009B	BALLAST,EUC-120P/11 PHILIPS REV 0.2 120W DLP PJT
641	4980V00C70A	SUPPORTER,SECC(EGI) SUPPORTER BALLAST
650	6871VSMV96B	PCB ASSEMBLY,SUB NB03KB TACT S/W
660	6871VSMV95D	PCB ASSEMBLY,SUB LED MB03CC M/I ASSY FOR CHINA
670	6871VSMW00A	PCB ASSEMBLY,SUB S/W NB03JA CASE SW RN-44SZ50H
680	6871VSMW47A	PCB ASSEMBLY,SUB A/V NB03KB SIDE A/V
681	3500V00061P	BOARD ASSY,RU-44SZ61D NB03JC SIDE A/V BLACK
700	6871VSME82F	PCB ASSEMBLY,SUB INTER MB042H FOR RU-52SZ53D
720	6871VSMW40D	PCB ASSEMBLY,SUB SENSOR MB03CC HD3 DLP SENSOR

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;
CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic
RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

RUN DATE : 2004.8.13

LOCA. NO	PART NO	DESCRIPTION
IC		
D1101	0IKE431000D	KIA431AF SOT-89
IC1	0IPRPTO002A	TC7S14F(T5L,T) 5P
IC1	0IMCRSH003A	GP2S40 SHARP 4P
IC1	0ICTMMI057A	M37151EFFP 42P
IC100	0IPH741400E	74HC14D 14SOP
IC100	0IPMGON013B	MC34063ADR2G SO-8P
IC1000	0IMI623200B	M62320FP 16P
IC1008	0IMI623200B	M62320FP 16P
IC101	0IMCRKE006A	KIA278R05PI TO220IS,4P
IC102	0IMCRMI070B	M306V7FJFP 100P
IC102	0IKE780900M	KIA7809API TO220 ST 3P 9V
IC103	0IMP242560A	24LC256-I/SM 8P
IC104	0IKE702700D	KIA7027AF 3, SOT-89 TP RESET IC 2.7V
IC105	0IMCRSG010A	ST3232CDR SOP16 R/TP RS232
IC106	0IMCRTH002A	THC63LVD103 64P
IC107	0IMCRET002B	EL2250CS-T7 8P R/TP OP AMP
IC1102	0IMMRSS037E	K4S643232H-TC60 86P
IC1103	0IMCRTI032A	2505428-0001 8P
IC1104	0IMCRSG008A	74LX1G14CTR 5P SOT323-5L
IC1200	0IPMGKE030A	KIA78R05F 5PIN DPAK R/TP 1A,5V
IC1201	0IMCRSO025A	CXA2181Q 48P VIDEO SYNC SELECTOR
IC2	0IMCRSH003A	GP2S40 SHARP 4P
IC2	0IMCRKE019A	KIA78R33API 4P TO220 ST 3.3V 1A
IC200	0ISO206900A	CXA2069Q QFP64 I2C BUS AV S/W
IC3	0IMCRKE018A	KIA78R05API 4P TO220 ST 5V 1A
IC300	0IIT323000E	VPC3230D C5 80P VIDEO PROCESSOR
IC301	0ISTLSG009A	M74HC123RM13TR 16P
IC302	0IMCRXL003A	XC95144XL-10TQ100C 3.3V 100P
IC304	0IPH827150A	P82B715T 8SOP
IC305	0IMMRAL014B	AT24C02N-10SI-2.7 8P
IC306	0IMCRAD002A	AD9883AKST-110 80P DIGITAL BOARD
IC307	0IMCRS5003A	SIL169CT100 100P
IC4	0IFA754207A	KA75420ZTA 3P,TO-92 TP 4.2V
IC401	0IMCRAG001A	A8904SLP 28P/HTSSOP DRIVER IC
IC404	0IMCRKE006A	KIA278R05PI TO220IS,4P
IC405	0IMCRKE006B	KIA278R33PI TO-220IS 4P
IC406	0IMCRKE006B	KIA278R33PI TO-220IS 4P
IC407	0IPMGKE045A	KIA278R25PI 2.5V 2A TO220IS 4P
IC409	0IMCRKE003B	KIA78R12API 4P TO-220IS
IC5	0IMCRAL006A	AT24C16AN-10SI-2.7 8P
IC500	0ICTMLG003C	LGDT1502M 304P
IC500	0IMCRTH003A	THC63LVD104A 64P
IC501	0IMMRHY033A	HY57V643220C(L)T-6 86P
IC501	0IMCRTI031A	2505356-0001 256P
IC502	0ITI740000Q	SN74LVC00AD 14SOP LOGIC D-TV
IC503	0IPMGSG018C	LD1086DT15TR 2P DPAK R/TP 1.5V 1.5A
IC503	0ICTMLG013A	LGDT1901A 24P SSOP TRAY DPLL
IC504	0IMCRSG007A	74VIT125CTR 5P S0T323-5L
IC504	0IMMRHY033A	HY57V643220C(L)T-6 86P
IC581	0ILNRTI035A	OPA561PWP/2K HTSSOP-20
IC582	0IMCRTI037A	TLC7524CDR SOIC-16P
IC583	0IMCRSG007A	74VIT125CTR 5P S0T323-5L
IC600	0IMCRMN014A	MSP3440G QA B8 V3 80 SOUND IC
IC601	0ISS455880A	KA4558D 8SOP OP AMP
IC602	0IFA754207A	KA75420ZTA 3P,TO-92 TP 4.2V
IC700	0IMCRTI011B	2504886-0002(DDP1011) 529P
IC701	0IMMRAL015C	AT49BV8192A-90TI 48P
IC701	0IMCRKE006B	KIA278R33PI TO-220IS 4P
IC702	0IMCRFA003A	KA2903 8SOP R/TP AMPLIFIER
IC702	0ISS416162C	K4S161622E-TC80 50TSOP
IC702	0IMCRKE006B	KIA278R33PI TO-220IS 4P
IC703	0IMCRNE045A	UPD64011AGM-8ED-A 160P
IC703	0IPMGKE045A	KIA278R25PI 2.5V 2A TO220IS 4P
IC705	0IMCRAL006A	AT24C16AN-10SI-2.7 8P
IC706	0ISA428200A	LA4282 12S 2CHX10W AUDIO AMP
IC707	0IMCRKE003B	KIA78R12API 4P TO-220IS
IC708	0IMCRKE006B	KIA278R33PI TO-220IS 4P
IC709	0IPMGKE045A	KIA278R25PI 2.5V 2A TO220IS 4P
IC800	0IMMRSS053B	K4R271669F-TCS8 54P
IC801	0IMCRTI014A	CDCR83 24P
IC802	0IMCRSG007A	74VIT125CTR 5P S0T323-5L
IC803	0IMCRSG008A	74LX1G14CTR 5P SOT323-5L
IC804	0IMCRSG008A	74LX1G14CTR 5P SOT323-5L
IC805	0IMCRMX001A	MAX708SCSA 8P
IC806	0IMCRSG008A	74LX1G14CTR 5P SOT323-5L
IC807	0IMCRMX001A	MAX708SCSA 8P S
IC808	0IMCRSG008A	74LX1G14CTR 5P SOT323-5L
IC809	0IPMGSG018C	LD1086DT15TR 2P
IC810	0IMCRSJ001A	SC1565IST-1.8 3P SOT223
IC810	0IMCRSK004A	SMA-E1017 3P TO220
IC830	0ISH817300B	PC817XF3 4D PHOTO COUPLER
IC850	0ISH302122A	PQ30RV21 TO-220
IC851	0IMCRFA007A	KA431Z 3DIP
IC870	0IMCRFA007A	KA431Z 3DIP
IC900	0IMCRTI012B	2503253-0003(DAD1000-3) 80P
IC900	0ICTMLG018A	LGDP4410 LG IC 176P
IC906	0IMCRSG007A	74VIT125CTR 5P S0T323-5L
IC907	0IMCRSG008A	74LX1G14CTR 5P SOT323-5L
IC908	0IMCRSG008A	74LX1G14CTR 5P SOT323-5L
IC910	0IMCRSG007A	74VIT125CTR 5P S0T323-5L
IC911	0IMCRSG008A	74LX1G14CTR 5P SOT323-5L
IC912	0ISTLON037A	NL17SZ17DFT2G SOT353 5P
IC913	0IMCRSG007A	74VIT125CTR 5P S0T323-5L
TRANSISTOR		
Q100	0TR830009BA	BSS83

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
Q100	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1000	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1001	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1002	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1003	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1004	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1005	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q101	0TR830009BA	BSS83
Q102	0TR102009AG	CHIP KRC102S SOT-23
Q103	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q104	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q105	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q107	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1201	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1202	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1203	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1204	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1205	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1206	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1208	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1209	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1210	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1211	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1213	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1218	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1219	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1222	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1223	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1224	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1225	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q200	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q201	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q202	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q203	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q204	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q205	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q206	0TR102008AA	KRA102S SOT23
Q207	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q208	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q209	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q210	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q211	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q212	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q302	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q305	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q306	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q307	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q308	0TR830009BA	BSS83
Q309	0TR830009BA	BSS83
Q310	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q311	0TR387500AA	CHIP 2SC3875S(ALY) KEC

LOCA. NO	PART NO	DESCRIPTION
Q501	0TR830009BA	BSS83
Q502	0TR830009BA	BSS83
Q600	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q601	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q602	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q603	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q604	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q701	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q703	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q704	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q705	0TR102009AG	CHIP KRC102S SOT-23
Q801	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q801	0TFFN10006A	SPW20N60C3 TO-247 650V 20.7A
Q802	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q830	0TFSG10003A	STW8NK80Z TO-247 800V 6.2A
Q832	0TR437000BA	KTC4370A-Y TO-220IS KEC
Q840	0TR322709AA	KTC3227-Y,TP(KTC1627A),KEC
Q852	0TR945009AA	KSC945C-Y TO92 50V 150MA
Q871	0TR102409AB	KTA1024-Y (KTA949) TP KEC
Q872	0TR322709AA	KTC3227-Y,TP(KTC1627A),KEC
	DIODE	
D1	0DD184009AA	KDS184S CHIP 85V 300MA
D100	0DRSE00038A	SDC15 TVS SOT23 12.8V
D100	0DRDI00148A	B140A 40V 1A 30A .SEC 0.5MA
D102	0DR050008AA	SD05.TC SOD323 5V 5A 15A
D103	0DR050008AA	SD05.TC SOD323 5V 5A 15A
D104	0DR050008AA	SD05.TC SOD323 5V 5A 15A
D105	0DRSE00038A	SDC15 SOT23 12.8V
D106	0DR050008AA	SD05.TC SOD323 5V 5A 15A
D201	0DD414809ED	1N4148 TP GRANDE
D3	0DD226239AA	CHIP KDS226 SOT-23
D300	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D4	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D5	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D581	0DRON00088A	BAT54SWT1 60V 3A 4A .SEC .A
D6	0DD184009AA	KDS184S CHIP 85V 300MA
D610	0DZVH00118A	ZENERS,GZF8V2C
D700	0DS113379BA	1SS133 T-72 DO34 90V
D704	0DS113379BA	1SS133 T-72 DO34 90V
D706	0DS113379BA	1SS133 T-72 DO34 90V
D707	0DS113379BA	1SS133 T-72 DO34 90V
D708	0DS113379BA	1SS133 T-72 DO34 90V
D709	0DS113379BA	1SS133 T-72 DO34 90V
D710	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D711	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D712	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D801	0DRSD00050B	D25XB60-4000 600V 25A
D811	0DR360000AA	FMG-36S 2.2V 100NSEC 1.0MA
D831	0DD100009AU	EU1AV(1) TP SANKEN TP SANKEN
D832	0DD100009AU	EU1AV(1) TP SANKEN TP SANKEN

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
D834	0DR010009AA	EG01C 1000V 0.5A 10A
D835	0DD414809ED	1N4148 TP GRANDE
D840	0DD414809ED	1N4148 TP GRANDE
D851	0DD220000AC	FML-G22S O220 200V
D861	0DD220000AC	FML-G22S O220 200V
D871	0DRSD00091A	SF20JC10 FTO220(4115) 100V
D881	0DD220000AC	FML-G22S O220 200V
D891	0DRSA00170A	FML-G14S O220 400V
D909	0DRGS00328A	SS26 DO-214AC 60V 2A 75A .SEC 10MA
D910	0DRGS00328A	SS26 DO-214AC 60V 2A 75A .SEC 10MA
D912	0DRON00088A	BAT54SWT1 60V 3A 4A .SEC .A
D913	0DRON00088A	BAT54SWT1 60V 3A 4A .SEC .A
D914	0DRON00088A	BAT54SWT1 60V 3A 4A .SEC .A
D915	0DRON00088A	BAT54SWT1 60V 3A 4A .SEC .A
IC1002	3720V00232A	LED ASSEMBLY
ZD01	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD1	0DZ620009BB	ZENERS,MTZJ6.2B
ZD10	0DZ620009BB	ZENERS,MTZJ6.2B
ZD2	0DZ620009BB	ZENERS,MTZJ6.2B
ZD201	0DZ560009CF	ZENERS,MTZJ5.6B
ZD202	0DZ560009CF	ZENERS,MTZJ5.6B
ZD203	0DZ560009CF	ZENERS,MTZJ5.6B
ZD204	0DZ560009CF	ZENERS,MTZJ5.6B
ZD3	0DZ620009BB	ZENERS,MTZJ6.2B
ZD4	0DZ620009BB	ZENERS,MTZJ6.2B
ZD5	0DZ620009BB	ZENERS,MTZJ6.2B
ZD6	0DZ620009BB	ZENERS,MTZJ6.2B
ZD600	0DZ560009CF	ZENERS,MTZJ5.6B
ZD601	0DZ560009CF	ZENERS,MTZJ5.6B
ZD839	0DZ300009BB	ZENERS,MTZJ30B
ZD9	0DZ620009BB	ZENERS,MTZJ6.2B
CAPACITOR		
C1	0CE476DF618	47UF STD 16V M
C1	0CE226DF618	22UF STD 16V M
C100	0CE106SF6DC	10UF MVG 16V 20%
C100	0CE475DK618	4.7UF STD 50V 20%
C101	0CE226SF6DC	22UF MVG 16V 20%
C101	0CE106DF618	10UF STD 16V M
C103	0CK105DF64A	1UF 2012 16V 20%
C109	0CE226SF6DC	22UF MVG 16V 20%
C110	0CE106DF618	10UF STD 16V M
C1102	0CK104CF56A	0.1UF 1608 16V 10%
C1103	0CK104CF56A	0.1UF 1608 16V 10%
C1104	0CK104CF56A	0.1UF 1608 16V 10%
C1105	0CK104CF56A	0.1UF 1608 16V 10%
C1106	0CK104CF56A	0.1UF 1608 16V 10%
C1107	0CK104CF56A	0.1UF 1608 16V 10%
C1108	0CK104CF56A	0.1UF 1608 16V 10%
C111	0CE476DF618	47UF STD 16V M
C1111	0CK103CK56A	0.01UF 1608 50V 10%

LOCA. NO	PART NO	DESCRIPTION
C1112	0CK104CF56A	0.1UF 1608 16V 10%
C1113	0CK104CF56A	0.1UF 1608 16V 10%
C1114	0CK103CK56A	0.01UF 1608 50V 10%
C1115	0CK104CF56A	0.1UF 1608 16V 10%
C1116	0CK104CF56A	0.1UF 1608 16V 10%
C112	0CE107DF618	100UF STD 16V M
C1122	0CK104CF56A	0.1UF 1608 16V 10%
C1123	0CK104CF56A	0.1UF 1608 16V 10%
C1124	0CK104CF56A	0.1UF 1608 16V 10%
C1125	0CK104CF56A	0.1UF 1608 16V 10%
C1126	0CK104CF56A	0.1UF 1608 16V 10%
C1127	0CK104CF56A	0.1UF 1608 16V 10%
C1128	0CK104CF56A	0.1UF 1608 16V 10%
C1129	0CK104CF56A	0.1UF 1608 16V 10%
C113	0CK105DF64A	1UF 2012 16V 20%
C1130	0CK104CF56A	0.1UF 1608 16V 10%
C1131	0CK104CF56A	0.1UF 1608 16V 10%
C1132	0CK104CF56A	0.1UF 1608 16V 10%
C1133	0CK104CF56A	0.1UF 1608 16V 10%
C1134	0CK103CK56A	0.01UF 1608 50V 10%
C1135	0CK103CK56A	0.01UF 1608 50V 10%
C1136	0CK103CK56A	0.01UF 1608 50V 10%
C1137	0CK103CK56A	0.01UF 1608 50V 10%
C1140	0CS226HDKDC	22UF 3528 10V 20%,-20%
C1141	0CK104CF56A	0.1UF 1608 16V 10%
C1142	0CK104CF56A	0.1UF 1608 16V 10%
C1143	0CK104CF56A	0.1UF 1608 16V 10%
C1144	0CK104CF56A	0.1UF 1608 16V 10%
C1145	0CK104CF56A	0.1UF 1608 16V 10%
C1146	0CK104CF56A	0.1UF 1608 16V 10%
C1147	0CK104CF56A	0.1UF 1608 16V 10%
C1148	0CK104CF56A	0.1UF 1608 16V 10%
C1149	0CK104CF56A	0.1UF 1608 16V 10%
C115	0CE106DF618	10UF STD 16V M
C1150	0CK104CF56A	0.1UF 1608 16V 10%
C1151	0CK104CF56A	0.1UF 1608 16V 10%
C1152	0CK104CF56A	0.1UF 1608 16V 10%
C1153	0CK104CF56A	0.1UF 1608 16V 10%
C1154	0CK104CF56A	0.1UF 1608 16V 10%
C1155	0CK104CF56A	0.1UF 1608 16V 10%
C1156	0CK104CF56A	0.1UF 1608 16V 10%
C1157	0CK104CF56A	0.1UF 1608 16V 10%
C1158	0CK104CF56A	0.1UF 1608 16V 10%
C1159	0CK104CF56A	0.1UF 1608 16V 10%
C116	0CE476BK618	47UF KME 50V M
C1160	0CC331CK41A	330PF 1608 50V 5%
C1161	0CC331CK41A	330PF 1608 50V 5%
C1162	0CC331CK41A	330PF 1608 50V 5%
C1163	0CC331CK41A	330PF 1608 50V 5%
C1164	0CK103CK56A	0.01UF 1608 50V 10%
C1165	0CK103CK56A	0.01UF 1608 50V 10%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C1166	0CK103CK56A	0.01UF 1608 50V 10%
C1167	0CK103CK56A	0.01UF 1608 50V 10%
C1168	0CK103CK56A	0.01UF 1608 50V 10%
C1169	0CK103CK56A	0.01UF 1608 50V 10%
C117	0CE476DF618	47UF STD 16V M
C1170	0CK103CK56A	0.01UF 1608 50V 10%
C1171	0CK103CK56A	0.01UF 1608 50V 10%
C1172	0CK104CF56A	0.1UF 1608 16V 10%
C1175	0CK104CF56A	0.1UF 1608 16V 10%
C118	0CE107DF618	100UF STD 16V M
C120	0CE107DF618	100UF STD 16V M
C1200	0CE106VF6DC	10UF MV 16V 20%
C1201	0CE106VF6DC	10UF MV 16V 20%
C1203	0CE106VF6DC	10UF MV 16V 20%
C1204	0CE106VF6DC	10UF MV 16V 20%
C1206	0CE106VF6DC	10UF MV 16V 20%
C1207	0CE106VF6DC	10UF MV 16V 20%
C1208	0CE106VF6DC	10UF MV 16V 20%
C1209	0CE106VF6DC	10UF MV 16V 20%
C121	0CK105DF64A	1UF 2012 16V 20%
C1213	0CE106VF6DC	10UF MV 16V 20%
C1214	0CE227VF6DC	220UF MV 16V 20%
C1217	0CE107SF6DC	100UF MVG 16V M
C123	0CE107DK618	100UF STD 50V M
C1244	0CK105DF64A	1UF 2012 16V 20%
C1246	0CE476SF6DC	47UF MVG 16V M
C1249	0CE476SF6DC	47UF MVG 16V M
C1257	0CE476SF6DC	47UF MVG 16V M
C1259	0CE476SF6DC	47UF MVG 16V M
C126	0CE476BK618	47UF KME 50V M
C129	0CE106SF6DC	10UF MVG 16V 20%
C130	0CE106SF6DC	10UF MVG 16V 20%
C132	0CE475DK618	4.7UF STD 50V 20%
C134	0CE476DF618	47UF STD 16V M
C136	0CE476BK618	47UF KME 50V M
C139	0CE106SF6DC	10UF MVG 16V 20%
C145	0CE106SF6DC	10UF MVG 16V 20%
C147	0CE107DF618	100UF STD 16V M
C149	0CE107DH618	100UF STD 25V M
C15	0CK105DF64A	1UF 2012 16V 20%
C150	0CE106SF6DC	10UF MVG 16V 20%
C151	0CE475DK618	4.7UF STD 50V 20%
C162	0CE226SF6DC	22UF MVG 16V 20%
C2	0CN1030F679	10000P 16V M Y
C20	0CE107DH618	100UF STD 25V M
C200	0CE476SF6DC	47UF MVG 16V M
C200	0CK105DF64A	1UF 2012 16V 20%
C201	0CK105DF64A	1UF 2012 16V 20%
C202	0CE106SF6DC	10UF MVG 16V 20%
C203	0CE476SF6DC	47UF MVG 16V M
C203	0CK105DF64A	1UF 2012 16V 20%

LOCA. NO	PART NO	DESCRIPTION
C204	0CK105DF64A	1UF 2012 16V 20%
C205	0CE106SF6DC	10UF MVG 16V 20%
C205	0CK105DF64A	1UF 2012 16V 20%
C206	0CE106SF6DC	10UF MVG 16V 20%
C207	0CE106SF6DC	10UF MVG 16V 20%
C207	0CK105DF64A	1UF 2012 16V 20%
C208	0CK105DF64A	1UF 2012 16V 20%
C209	0CE106SF6DC	10UF MVG 16V 20%
C209	0CK105DF64A	1UF 2012 16V 20%
C210	0CE106SF6DC	10UF MVG 16V 20%
C210	0CK105DF64A	1UF 2012 16V 20%
C211	0CK224DF56A	220000PF 2012 16V 10%
C211	0CK105DF64A	1UF 2012 16V 20%
C212	0CK224DF56A	220000PF 2012 16V 10%
C212	0CK105DF64A	1UF 2012 16V 20%
C213	0CK224DF56A	220000PF 2012 16V 10%
C213	0CK105DF64A	1UF 2012 16V 20%
C214	0CK224DF56A	220000PF 2012 16V 10%
C214	0CK105DF64A	1UF 2012 16V 20%
C215	0CK224DF56A	220000PF 2012 16V 10%
C215	0CK105DF64A	1UF 2012 16V 20%
C216	0CK224DF56A	220000PF 2012 16V 10%
C217	0CK224DF56A	220000PF 2012 16V 10%
C219	0CE106SF6DC	10UF MVG 16V 20%
C223	0CE475DK618	4.7UF STD 50V 20%
C224	0CE476SF6DC	47UF MVG 16V M
C225	0CE475DK618	4.7UF STD 50V 20%
C226	0CE227DF618	220UF STD 16V M
C227	0CK105DF64A	1UF 2012 16V 20%
C229	0CE226DF618	22UF STD 16V M
C23	0CE107DF618	100UF STD 16V M
C231	0CE107DF618	100UF STD 16V M
C237	0CK224DF56A	220000PF 2012 16V 10%
C238	0CE476SF6DC	47UF MVG 16V M
C24	0CE476DF618	47UF STD 16V M
C249	0CE106SF6DC	10UF MVG 16V 20%
C260	0CE106SF6DC	10UF MVG 16V 20%
C261	0CE106SF6DC	10UF MVG 16V 20%
C262	0CE106SF6DC	10UF MVG 16V 20%
C27	0CE476DF618	47UF STD 16V M
C335	0CE106SF6DC	10UF MVG 16V 20%
C338	0CE106SF6DC	10UF MVG 16V 20%
C339	0CE106SF6DC	10UF MVG 16V 20%
C344	0CE226SF6DC	22UF MVG 16V 20%
C345	0CE226SF6DC	22UF MVG 16V 20%
C358	0CE226SF6DC	22UF MVG 16V 20%
C359	0CE226SF6DC	22UF MVG 16V 20%
C363	0CK823DK56A	82000PF 2012 50V 10%
C381	0CE226SF6DC	22UF MVG 16V 20%
C394	0CE226SF6DC	22UF MVG 16V 20%
C395	0CE226SF6DC	22UF MVG 16V 20%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C405	0CE226SF6DC	22UF MVG 16V 20%
C5	0CK105DF64A	1UF 2012 16V 20%
C508	0CE226SF6DC	22UF MVG 16V 20%
C510	0CE226SF6DC	22UF MVG 16V 20%
C515	0CK104CF56A	0.1UF 1608 16V 10%
C517	0CK104CF56A	0.1UF 1608 16V 10%
C519	0CK104CF56A	0.1UF 1608 16V 10%
C523	0CK104CF56A	0.1UF 1608 16V 10%
C528	0CK104CF56A	0.1UF 1608 16V 10%
C530	0CK104CF56A	0.1UF 1608 16V 10%
C531	0CK104CF56A	0.1UF 1608 16V 10%
C533	0CK104CF56A	0.1UF 1608 16V 10%
C535	0CK104CF56A	0.1UF 1608 16V 10%
C550	0CE106SF6DC	10UF MVG 16V 20%
C556	0CK104CF56A	0.1UF 1608 16V 10%
C565	0CE106SF6DC	10UF MVG 16V 20%
C571	0CE106SF6DC	10UF MVG 16V 20%
C582	0CK104CF56A	0.1UF 1608 16V 10%
C584	0CK103CK56A	0.01UF 1608 50V 10%
C586	0CK104CF56A	0.1UF 1608 16V 10%
C587	0CS226GJ6DC	22UF 7343 35V 20% (SMD)
C606	0CE107DF618	100UF STD 16V M
C609	0CK104CF56A	0.1UF 1608 16V 10%
C610	0CK104CF56A	0.1UF 1608 16V 10%
C611	0CK104CF56A	0.1UF 1608 16V 10%
C612	0CK104CF56A	0.1UF 1608 16V 10%
C614	0CK104CF56A	0.1UF 1608 16V 10%
C615	0CK104CF56A	0.1UF 1608 16V 10%
C616	0CK104CF56A	0.1UF 1608 16V 10%
C616	0CE107DF618	100UF STD 16V M
C617	0CK104CF56A	0.1UF 1608 16V 10%
C618	0CK104CF56A	0.1UF 1608 16V 10%
C619	0CK104CF56A	0.1UF 1608 16V 10%
C620	0CK104CF56A	0.1UF 1608 16V 10%
C621	0CK104CF56A	0.1UF 1608 16V 10%
C621	0CK105DF64A	1UF 2012 16V 20%
C622	0CK104CF56A	0.1UF 1608 16V 10%
C622	0CK105DF64A	1UF 2012 16V 20%
C623	0CK104CF56A	0.1UF 1608 16V 10%
C624	0CK104CF56A	0.1UF 1608 16V 10%
C625	0CK104CF56A	0.1UF 1608 16V 10%
C626	0CK104CF56A	0.1UF 1608 16V 10%
C627	0CK104CF56A	0.1UF 1608 16V 10%
C628	0CK104CF56A	0.1UF 1608 16V 10%
C628	0CE106DF618	10UF STD 16V M
C629	0CK104CF56A	0.1UF 1608 16V 10%
C630	0CK104CF56A	0.1UF 1608 16V 10%
C630	0CE106DF618	10UF STD 16V M
C631	0CK104CF56A	0.1UF 1608 16V 10%
C631	0CE107DF618	100UF STD 16V M
C632	0CK104CF56A	0.1UF 1608 16V 10%

LOCA. NO	PART NO	DESCRIPTION
C633	0CK104CF56A	0.1UF 1608 16V 10%
C634	0CK104CF56A	0.1UF 1608 16V 10%
C635	0CK104CF56A	0.1UF 1608 16V 10%
C636	0CK104CF56A	0.1UF 1608 16V 10%
C637	0CK104CF56A	0.1UF 1608 16V 10%
C638	0CK104CF56A	0.1UF 1608 16V 10%
C639	0CK104CF56A	0.1UF 1608 16V 10%
C640	0CK104CF56A	0.1UF 1608 16V 10%
C641	0CK104CF56A	0.1UF 1608 16V 10%
C642	0CK104CF56A	0.1UF 1608 16V 10%
C643	0CK104CF56A	0.1UF 1608 16V 10%
C643	0CE476DF618	47UF STD 16V M
C644	0CK104CF56A	0.1UF 1608 16V 10%
C645	0CK104CF56A	0.1UF 1608 16V 10%
C646	0CK104CF56A	0.1UF 1608 16V 10%
C647	0CK104CF56A	0.1UF 1608 16V 10%
C648	0CK104CF56A	0.1UF 1608 16V 10%
C648	0CE335DK618	3.3UF STD 50V 20%
C649	0CK104CF56A	0.1UF 1608 16V 10%
C650	0CC270CK41A	27PF 1608 50V 5%
C651	0CC270CK41A	27PF 1608 50V 5%
C652	0CC270CK41A	27PF 1608 50V 5%
C653	0CC270CK41A	27PF 1608 50V 5%
C654	0CK104CF56A	0.1UF 1608 16V 10%
C655	0CK104CF56A	0.1UF 1608 16V 10%
C664	0CE335DK618	3.3UF STD 50V 20%
C668	0CK105DF64A	1UF 2012 16V 20%
C669	0CK105DF64A	1UF 2012 16V 20%
C670	0CE475DK618	4.7UF STD 50V 20%
C671	0CE475DK618	4.7UF STD 50V 20%
C673	0CE335DK618	3.3UF STD 50V 20%
C691	0CE477SF6DC	470UF MVG 16V 20%
C692	0CE477SF6DC	470UF MVG 16V 20%
C6977	0CK104CF56A	0.1UF 1608 16V 10%
C7	0CE227DF618	220UF STD 16V M
C700	0CK104CF56A	0.1UF 1608 16V 10%
C701	0CK104CF56A	0.1UF 1608 16V 10%
C702	0CK104CF56A	0.1UF 1608 16V 10%
C703	0CE107DD618	100UF STD 10V M
C704	0CK104CF56A	0.1UF 1608 16V 10%
C705	0CE227DF618	220UF STD 16V M
C706	0CK104CF56A	0.1UF 1608 16V 10%
C707	0CK104CF56A	0.1UF 1608 16V 10%
C707	0CE227DD618	220UF STD 10V M
C709	0CE227DD618	220UF STD 10V M
C710	0CK104CF56A	0.1UF 1608 16V 10%
C711	0CK104CF56A	0.1UF 1608 16V 10%
C711	0CE227DD618	220UF STD 10V M
C712	0CK104CF56A	0.1UF 1608 16V 10%
C713	0CK104CF56A	0.1UF 1608 16V 10%
C713	0CE227DD618	220UF STD 10V M

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C714	0CK104CF56A	0.1UF 1608 16V 10%
C714	0CE476SF6DC	47UF MVG 16V M
C715	0CE476SF6DC	47UF MVG 16V M
C715	0CE227DD618	220UF STD 10V M
C717	0CK104CF56A	0.1UF 1608 16V 10%
C718	0CK104CF56A	0.1UF 1608 16V 10%
C718	0CE476SF6DC	47UF MVG 16V M
C719	0CK104CF56A	0.1UF 1608 16V 10%
C719	0CE476SF6DC	47UF MVG 16V M
C720	0CK104CF56A	0.1UF 1608 16V 10%
C720	0CE227DH618	220UF STD 25V M
C721	0CK104CF56A	0.1UF 1608 16V 10%
C722	0CK104CF56A	0.1UF 1608 16V 10%
C722	0CE107DF618	100UF STD 16V M
C723	0CK104CF56A	0.1UF 1608 16V 10%
C724	0CK104CF56A	0.1UF 1608 16V 10%
C724	0CQ1041N509	0.1UF D 100V 10% PE TP5
C725	0CK104CF56A	0.1UF 1608 16V 10%
C725	0CE108DK61A	1000UF STD 50V M
C726	0CK104CF56A	0.1UF 1608 16V 10%
C726	0CE476SF6DC	47UF MVG 16V M
C727	0CK104CF56A	0.1UF 1608 16V 10%
C727	0CE476SF6DC	47UF MVG 16V M
C727	0CE106DF618	10UF STD 16V M
C728	0CK104CF56A	0.1UF 1608 16V 10%
C728	0CQ1041N509	0.1UF D 100V 10%
C729	0CK104CF56A	0.1UF 1608 16V 10%
C729	0CE107DH618	100UF STD 25V M
C730	0CK104CF56A	0.1UF 1608 16V 10%
C730	0CE476SF6DC	47UF MVG 16V M
C730	0CE106DK618	10UF STD 50V M
C731	0CK104CF56A	0.1UF 1608 16V 10%
C731	0CE107DH618	100UF STD 25V M
C732	0CK104CF56A	0.1UF 1608 16V 10%
C732	0CE105VK6DC	1UF MV 50V 20%
C732	0CE106DK618	10UF STD 50V M
C733	0CK104CF56A	0.1UF 1608 16V 10%
C733	0CE106SF6DC	10UF MVG 16V 20%
C733	0CE107DH618	100UF STD 25V M
C734	0CK104CF56A	0.1UF 1608 16V 10%
C734	0CE476SF6DC	47UF MVG 16V M
C734	0CE106DF618	10UF STD 16V M
C735	0CK104CF56A	0.1UF 1608 16V 10%
C735	0CQ6821N509	0.0068UF D 100V 10%
C736	0CK104CF56A	0.1UF 1608 16V 10%
C736	0CE106DF618	10UF STD 16V M
C737	0CK104CF56A	0.1UF 1608 16V 10%
C737	0CQ6821N509	0.0068UF D 100V 10%
C738	0CK104CF56A	0.1UF 1608 16V 10%
C739	0CK104CF56A	0.1UF 1608 16V 10%
C739	0CE108DJ618	1000UF STD 35V M

LOCA. NO	PART NO	DESCRIPTION
C740	0CK104CF56A	0.1UF 1608 16V 10%
C741	0CK104CF56A	0.1UF 1608 16V 10%
C741	0CE108DJ618	1000UF STD 35V M
C742	0CK104CF56A	0.1UF 1608 16V 10%
C742	0CE106DF618	10UF STD 16V M
C743	0CK104CF56A	0.1UF 1608 16V 10%
C743	0CE108DF618	1000UF STD 16V M
C744	0CK104CF56A	0.1UF 1608 16V 10%
C745	0CK104CF56A	0.1UF 1608 16V 10%
C745	0CE227DH618	220UF STD 25V M
C746	0CK104CF56A	0.1UF 1608 16V 10%
C747	0CK104CF56A	0.1UF 1608 16V 10%
C747	0CE107DH618	100UF STD 25V M
C748	0CK104CF56A	0.1UF 1608 16V 10%
C749	0CK104CF56A	0.1UF 1608 16V 10%
C749	0CE227DD618	220UF STD 10V M
C750	0CK104CF56A	0.1UF 1608 16V 10%
C751	0CK104CF56A	0.1UF 1608 16V 10%
C751	0CE107DD618	100UF STD 10V M
C752	0CK104CF56A	0.1UF 1608 16V 10%
C753	0CK104CF56A	0.1UF 1608 16V 10%
C753	0CE227DD618	220UF STD 10V M
C754	0CK104CF56A	0.1UF 1608 16V 10%
C755	0CK104CF56A	0.1UF 1608 16V 10%
C755	0CE107DD618	100UF STD 10V M
C756	0CK104CF56A	0.1UF 1608 16V 10%
C757	0CK104CF56A	0.1UF 1608 16V 10%
C758	0CK104CF56A	0.1UF 1608 16V 10%
C758	0CE107DD618	100UF STD 10V M
C759	0CK104CF56A	0.1UF 1608 16V 10%
C760	0CK104CF56A	0.1UF 1608 16V 10%
C761	0CK104CF56A	0.1UF 1608 16V 10%
C762	0CK104CF56A	0.1UF 1608 16V 10%
C763	0CK104CF56A	0.1UF 1608 16V 10%
C764	0CK104CF56A	0.1UF 1608 16V 10%
C765	0CK104CF56A	0.1UF 1608 16V 10%
C766	0CK104CF56A	0.1UF 1608 16V 10%
C767	0CK104CF56A	0.1UF 1608 16V 10%
C768	0CK104CF56A	0.1UF 1608 16V 10%
C769	0CK104CF56A	0.1UF 1608 16V 10%
C770	0CK104CF56A	0.1UF 1608 16V 10%
C771	0CK104CF56A	0.1UF 1608 16V 10%
C772	0CK104CF56A	0.1UF 1608 16V 10%
C773	0CK104CF56A	0.1UF 1608 16V 10%
C774	0CK104CF56A	0.1UF 1608 16V 10%
C775	0CK104CF56A	0.1UF 1608 16V 10%
C776	0CK104CF56A	0.1UF 1608 16V 10%
C777	0CK104CF56A	0.1UF 1608 16V 10%
C778	0CK104CF56A	0.1UF 1608 16V 10%
C779	0CK104CF56A	0.1UF 1608 16V 10%
C780	0CK104CF56A	0.1UF 1608 16V 10%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C783	0CK104CF56A	0.1UF 1608 16V 10%
C800	0CK104CF56A	0.1UF 1608 16V 10%
C801	0CK104CF56A	0.1UF 1608 16V 10%
C801	181-091J	DEHR33D821KN3A 820PF 2KV 10%,-10%
C801	0CQZVBK002C	A.C 275V 0.22UF K (S=22.5)
C802	0CK104CF56A	0.1UF 1608 16V 10%
C803	0CK104CF56A	0.1UF 1608 16V 10%
C803	0CQZVBK002C	A.C 275V 0.22UF K (S=22.5)
C805	0CK104CF56A	0.1UF 1608 16V 10%
C805	0CF1050W470	1UF 0 500V 5%
C806	0CK104CF56A	0.1UF 1608 16V 10%
C807	0CK104CF56A	0.1UF 1608 16V 10%
C807	0CK10202510	1000P 2KV K B S
C808	0CC680CK41A	68PF 1608 50V 5%
C808	0CK10202510	1000P 2KV K B S
C809	0CC680CK41A	68PF 1608 50V 5%
C810	0CK104CF56A	0.1UF 1608 16V 10%
C810	0CK1030K945	0.01UF 50V Z F TR
C811	0CK104CF56A	0.1UF 1608 16V 10%
C811	0CK4730K945	0.047UF D 50V 80%,-20%
C812	0CK104CF56A	0.1UF 1608 16V 10%
C812	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF J
C813	0CK1010K515	100P 50V K B TS
C813	0CC680CK41A	68PF 1608 50V 5%
C814	0CK4710K515	470PF 50V K B TR
C814	0CC680CK41A	68PF 1608 50V 5%
C815	0CK104CF56A	0.1UF 1608 16V 10%
C815	0CK1010K515	100P 50V K B TS
C816	0CC100CK11A	10PF 1608 50V 0.5 PF
C816	0CK1020K515	1000P 50V K B TS
C817	0CK104CF56A	0.1UF 1608 16V 10%
C818	0CK104CF56A	0.1UF 1608 16V 10%
C819	0CC680CK41A	68PF 1608 50V 5%
C820	0CK104CF56A	0.1UF 1608 16V 10%
C820	181-001K	CE 450V 220UF M LUG(105)
C821	0CK104CF56A	0.1UF 1608 16V 10%
C822	0CK104CF56A	0.1UF 1608 16V 10%
C822	0CE476SF6DC	47UF MVG 16V M
C823	0CK104CF56A	0.1UF 1608 16V 10%
C824	0CK104CF56A	0.1UF 1608 16V 10%
C824	0CE106SF6DC	10UF MVG 16V 20%
C825	0CK104CF56A	0.1UF 1608 16V 10%
C825	0CE476SF6DC	47UF MVG 16V M
C826	0CK104CF56A	0.1UF 1608 16V 10%
C827	0CE476SF6DC	47UF MVG 16V M
C828	0CC471CK41A	470PF 1608 50V 5%
C829	0CE476SF6DC	47UF MVG 16V M
C831	0CE476BK618	47UF KME 50V M
C832	0CK104CF56A	0.1UF 1608 16V 10%
C832	0CE107DJ618	100UF STD 35V M
C833	0CK104CF56A	0.1UF 1608 16V 10%

LOCA. NO	PART NO	DESCRIPTION
C833	0CC1000K115	10P 50V D NP0 TS
C834	0CK104CF56A	0.1UF 1608 16V 10%
C834	0CK1040K945	0.1UF 50V Z F TR
C835	0CK104CF56A	0.1UF 1608 16V 10%
C835	0CE226SF6DC	22UF MVG 16V 20%
C836	0CK104CF56A	0.1UF 1608 16V 10%
C836	181-011B	0.001UF D 1.6KV J
C837	0CK104CF56A	0.1UF 1608 16V 10%
C837	181-091N	SL 100PF 1KV 10%,-10%
C838	0CK104CF56A	0.1UF 1608 16V 10%
C839	0CK104CF56A	0.1UF 1608 16V 10%
C840	0CK104CF56A	0.1UF 1608 16V 10%
C840	0CK1040K945	0.1UF 50V Z F TR
C841	0CK104CF56A	0.1UF 1608 16V 10%
C841	0CK1040K945	0.1UF 50V Z F TR
C842	0CK104CF56A	0.1UF 1608 16V 10%
C842	0CK1040K945	0.1UF 50V Z F TR
C843	0CK104CF56A	0.1UF 1608 16V 10%
C843	0CE476BK618	47UF KME 50V M
C844	0CK104CF56A	0.1UF 1608 16V 10%
C844	0CE476BK618	47UF KME 50V M
C845	0CK104CF56A	0.1UF 1608 16V 10%
C846	0CK104CF56A	0.1UF 1608 16V 10%
C847	0CK104CF56A	0.1UF 1608 16V 10%
C851	0CE108DH618	1000UF STD 25V M
C852	0CE227DH618	220UF STD 25V M
C853	181-091Q	R 470PF 1KV 10%,-10%
C857	0CE105DK618	1UF STD 50V M
C861	0CE108BF618	1000UF KME 16V M
C862	0CE477DF618	470UF STD 16V 20%
C863	181-091Q	R 470PF 1KV 10%,-10%
C866	181-091N	SL 100PF 1KV 10%,-10%
C867	181-091N	SL 100PF 1KV 10%,-10%
C868	181-091N	SL 100PF 1KV 10%,-10%
C869	181-091N	SL 100PF 1KV 10%,-10%
C870	0CK1040K945	0.1UF 50V Z F TR
C871	0CE338EF618	3300UF KMG,RD 16V 20%
C872	0CE477DF618	470UF STD 16V 20%
C873	181-091N	SL 100PF 1KV 10%,-10%
C873	181-091Q	R 470PF 1KV 10%,-10%
C874	0CE475BK618	4.7UF KME TYPE 50V 20%
C881	0CE228BF618	2200UF KME 16V M
C882	0CE477DF618	470UF STD 16V 20%
C883	181-091Q	R 470PF 1KV 10%,-10%
C891	0CE108BK61A	1000UF KME 50V M
C892	0CE2276K618	220M SMS 50V M
C893	181-091Q	R 470PF 1KV 10%,-10%
C898	181-120L	3300PF 4KV M
C899	181-035U	DE1B3KX471KA5B 470PF 250V 10%
C901	0CK104CF56A	0.1UF 1608 16V 10%
C902	0CK104CF56A	0.1UF 1608 16V 10%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C904	0CK104CF56A	0.1UF 1608 16V 10%
C905	0CK104CF56A	0.1UF 1608 16V 10%
C906	0CK104CF56A	0.1UF 1608 16V 10%
C908	0CK104CF56A	0.1UF 1608 16V 10%
C909	0CK104CF56A	0.1UF 1608 16V 10%
C910	0CK104CF56A	0.1UF 1608 16V 10%
C911	0CK104CF56A	0.1UF 1608 16V 10%
C912	0CS226GJ6DC	22UF 7343 35V 20%
C913	0CK104CF56A	0.1UF 1608 16V 10%
C915	0CE476SF6DC	47UF MVG 16V M
C915	0CN106FF66A	10UF 3225 16V 20%
C919	0CK104CF56A	0.1UF 1608 16V 10%
C920	0CK104CF56A	0.1UF 1608 16V 10%
C921	0CK104CF56A	0.1UF 1608 16V 10%
C922	0CK104CF56A	0.1UF 1608 16V 10%
C923	0CE476SF6DC	47UF MVG 16V M
C943	0CK104CF56A	0.1UF 1608 16V 10%
C947	0CK104CF56A	0.1UF 1608 16V 10%
C949	0CK104CF56A	0.1UF 1608 16V 10%
C950	0CK104CF56A	0.1UF 1608 16V 10%
C957	0CK104CF56A	0.1UF 1608 16V 10%
C958	0CK104CF56A	0.1UF 1608 16V 10%
C959	0CK104CF56A	0.1UF 1608 16V 10%
C960	0CK104CF56A	0.1UF 1608 16V 10%
C962	0CK104CF56A	0.1UF 1608 16V 10%
C963	0CK104CF56A	0.1UF 1608 16V 10%
C964	0CK104CF56A	0.1UF 1608 16V 10%
C965	0CK272CK46A	2700PF 1608 50V 5%
C966	0CK472CK56A	4700PF 1608 50V 10%
C967	0CK272CK46A	2700PF 1608 50V 5%
C968	0CK224DH56A	0.22UF 2012 25V 10%
C970	0CK104CF56A	0.1UF 1608 16V 10%
C971	0CC102CK41A	1000PF 1608 50V 5%
C972	0CC102CK41A	1000PF 1608 50V 5%
C973	0CC102CK41A	1000PF 1608 50V 5%
C974	0CK104CF56A	0.1UF 1608 16V 10%
C975	0CK104CF56A	0.1UF 1608 16V 10%
C977	0CK104CF56A	0.1UF 1608 16V 10%
C978	0CK104CF56A	0.1UF 1608 16V 10%
JACK		
JA1201	6613V00013G	JACK ASSEMBLY,PMJ021G 9P
JA1202A	6612VJH006C	JACK,RCA PJ6061E 6P
JA200	6613V00013B	JACK ASSY,PMJ021B 9P
JA201	6613V00010B	JACK ASSY,PMJ016B 3P
JA201	380-404A	JACK,DIN PHSJ-9504
P501	6612BBBHN7A	JACK,DIN 74320-3004 30PIN
COIL & TRANSFORMER		
L1	0LA0102K119	INDUCTOR,10UH K
L100	6140VB0023A	COIL,CHOKE SB7032-751 750UH

LOCA. NO	PART NO	DESCRIPTION
L861	150-C02F	COIL,CHOKE 82UH
L871	150-C02V	COIL,CHOKE CHOKE 10UH R
L871	150-C02F	COIL,CHOKE 82UH
L881	150-C02F	COIL,CHOKE 82UH
L891	150-C02F	COIL,CHOKE 82UH
L903	6140VR0007A	COIL,DT1608C-223 22UF+-20%
L904	6140VR0007A	COIL,DT1608C-223 22UF+-20%
T801	6170VMCA06P	TRANSFORMER,SMPS[COIL] EER4220 360UH
T830	6170VMCA13T	TRANSFORMER,SMPS[COIL] EER4215 660UH
CONNECTOR		
JA1200	6630TGA004F	CONNECTOR,D-SUB 15P 2.29MM
P100	6630B60F532	CONNECTOR,DIN41612 32P 2.54MM
P101	6630B60F532	CONNECTOR,DIN41612 32P 2.54MM
P101A	6630B60F432	CONNECTOR,DIN41612 32P 2.54MM
P101B	6630B60F532	CONNECTOR,DIN41612 32P 2.54MM
P102	6630GZ00724	CONNECTOR,D-SUB 24P 1.91MM
P102A	6630B60F432	CONNECTOR,DIN41612 32P 2.54MM
P102B	6630B60F532	CONNECTOR,DIN41612 32P 2.54MM
P104	6630VGA004B	CONNECTOR,D-SUB 9P 2.77MM
P1200A	6630B60F432	CONNECTOR,DIN41612 32P 2.54MM
P1200B	6630B60F532	CONNECTOR,DIN41612 32P 2.54MM
P201A	6630B60F432	CONNECTOR,DIN41612 32P 2.54MM
P202A	6630B60F432	CONNECTOR,DIN41612 32P 2.54MM
P300	6630GZ00724	CONNECTOR,D-SUB 24P 1.91MM
RESISTOR		
AR503	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR504	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR506	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR516	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR518	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR519	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR522	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR523	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR526	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR529	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR530	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR531	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR744	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM
AR746	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM
AR748	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM
AR750	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM
AR846	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM
AR847	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM
AR848	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OHM
R1	0RD0752F609	75 OHM 1/6 W 5.00%
R1286	0RN1002F409	10K OHM 1/6 W 1.00%
R2	0RD4703F609	470K OHM 1/6 W 5.00%
R3	0RD4703F609	470K OHM 1/6 W 5.00%
R4	0RD0752F609	75 OHM 1/6 W 5.00%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
R5	0RD0752F609	75 OHM 1/6 W 5.00%
R65	0RS0151J607	1.5 OHM 1 W 5.00%
R722	0RF0331H609	3.3 OHM 1/2 W 5.00%
R724	0RF0331H609	3.3 OHM 1/2 W 5.00%
R800	0RKZVTA001B	4.7M OHM 1/2 W 5%
R810	0RD2204F609	2.2M OHM 1/6 W 5.00%
R811	0RD2204F609	2.2M OHM 1/6 W 5.00%
R812	0RD3302F609	33K OHM 1/6 W 5%
R813	0RD1002F609	10K OHM 1/6 W 5%
R814	0RN3303G409	330K OHM 1/4 W 1.00%
R814	0RN5603G409	560K OHM 1/4 W 1.00%
R815	0RN5103G409	510K OHM 1/4 W 1%
R816	0RN5103G409	510K OHM 1/4 W 1%
R817	0RN5103G409	510K OHM 1/4 W 1%
R818	0RD2202F609	22K OHM 1/6 W 5%
R819	0RD5602F609	56K OHM 1/6 W 5%
R820	0RD0101F609	1 OHM 1/6 W 5.00%
R821	0RD1003F609	100K OHM 1/6 W 5%
R823	180-A01P	0.13 OHM 2 W 5% RWR
R824	0RD2202F609	22K OHM 1/6 W 5%
R831	0RD0272A609	27 OHM 1/2 W(7.0) 5.00%
R832	0RD6802F609	68K OHM 1/6 W 5.00%
R833	0RD6801F609	6.8K OHM 1/6 W 5.00%
R834	0RD1000F609	100 OHM 1/6 W 5%
R835	0RD0152F609	15 OHM 1/6 W 5.00%
R836	0RD1001F609	1K OHM 1/6 W 5%
R837	180-A01H	2 W RW ROUND G 0.27 J
R838	0RD4300F609	430 OHM 1/6 W 5.00%
R839	0RD3901F609	3.9K OHM 1/6 W 5%
R839	0RD3001F609	3K OHM 1/6 W 5.00%
R840	0RD1000F609	100 OHM 1/6 W 5%
R841	0RS1003K607	100K OHM 2 W 5.00%
R842	0RD4700H609	470 OHM 1/2 W 5.00%
R843	0RD4700H609	470 OHM 1/2 W 5.00%
R844	0RD4702F609	47K OHM 1/6 W 5%
R845	0RD0302F609	30 OHM 1/6 W 5.00%
R850	0RN3303G409	330K OHM 1/4 W 1.00%
R851	0RD2001F609	2K OHM 1/6 W 5%
R852	0RN1802F409	18K OHM 1/6 W 1.00%
R854	0RN5601F409	5.6K OHM 1/6 W 1.00%
R855	0RD1501F609	1.5K OHM 1/6 W 5%
R856	0RD5100F609	510 OHM 1/6 W 5.00%
R857	0RD5100F609	510 OHM 1/6 W 5.00%
R865	0RD3601F609	3.6K OHM 1/6 W 5.00%
R866	0RD3901F609	3.9K OHM 1/6 W 5%
R867	0RD5100F609	510 OHM 1/6 W 5.00%
R868	0RN1801F409	1.8K OHM 1/6 W 1.00%
R872	0RN3303G409	330K OHM 1/4 W 1.00%
R873	0RD2703G609	270K OHM 1/4 W 5.00%
R874	0RN5101F609	5.1K OHM 1/6 W 5.00%
R875	0RD1002F609	10K OHM 1/6 W 5%

LOCA. NO	PART NO	DESCRIPTION
R876	0RD1001F609	1K OHM 1/6 W 5%
R877	0RD0391F609	3.9 OHM 1/6 W 5.00%
R891	0RD1002H609	10K OHM 1/2 W 5.00%
R892	0RS8200K607	820 OHM 2 W 5.00%
R893	0RS8200K607	820 OHM 2 W 5.00%
R894	0RD1001F609	1K OHM 1/6 W 5%
R895	0RN1002F409	10K OHM 1/6 W 1.00%
R896	0RN2201F409	2.2K OHM 1/6 W 1.00%
R897	0RD1001F609	1K OHM 1/6 W 5%
R898	0RKZVTA001B	4.7M OHM 1/2 W 5%
R899	0RD0271A609	2.7 OHM 1/2 W(7.0) 5.00%
SWITCH		
SW01	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SW01	140-275E	SWITCH,PUSH SPBS222EP011
SW02	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SW03	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SW04	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SW05	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SW06	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SW07	140-313B	SWITCH,TACT 2LEAD 160G(TA)
FILTER & CRYSTAL		
F1100	0LCML00002A	FILTER,EMC MLB-321611-0120A-N1
F1101	0LCML00002A	FILTER,EMC MLB-321611-0120A-N1
FB851	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB861	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB871	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB871	125-022K	FILTER,EMC 62MM 1UH
FB882	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB891	125-123A	FILTER,EMC FERRITE BFD3565R2F
FL100	6200J000012	FILTER,EMC NFL21SP207X1C3
FL101	6200J000012	FILTER,EMC NFL21SP207X1C3
FL104	6200J000012	FILTER,EMC NFL21SP207X1C3
FL106	6200J000012	FILTER,EMC NFL21SP207X1C3
FL107	6200J000012	FILTER,EMC NFL21SP207X1C3
FL108	6200J000012	FILTER,EMC NFL21SP207X1C3
FL109	6200J000012	FILTER,EMC NFL21SP207X1C3
FL112	6200J000012	FILTER,EMC NFL21SP207X1C3
FL113	6200J000012	FILTER,EMC NFL21SP207X1C3
FL117	6200J000012	FILTER,EMC NFL21SP207X1C3
FL123	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
FL124	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
FL125	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
FL127	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
FL134	6200J000012	FILTER,EMC NFL21SP207X1C3
FL139	6200J000012	FILTER,EMC NFL21SP207X1C3
FL300	6200C000010	FILTER,B.P. H354LAI-K5202
FL301	6200C000010	FILTER,B.P. H354LAI-K5202
FL303	6200C000010	FILTER,B.P. H354LAI-K5202
FL304	6200C000010	FILTER,B.P. H354LAI-K5202

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
L1100	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
L1103	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
L505	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
L581	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
L601	0LCML00002B	FILTER,EMC MLB-321611-0050P-N1 6A
L602	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
L700	0LCML00004A	FILTER,EMC MLB-160808-0068L-N2 1A
L702	0LCML00004A	FILTER,EMC MLB-160808-0068L-N2 1A
L704	0LCML00002B	FILTER,EMC MLB-321611-0050P-N1 6A
L705	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
L800	0LCML00004A	FILTER,EMC MLB-160808-0068L-N2 1A
L801	6200JB8012T	FILTER,EMC SQE2828 17.2MH 60TURNS
L802	6200JB8012T	FILTER,EMC SQE2828 17.2MH 60TURNS
L803	150-F06Z	FILTER,EMC SQE3535 10MH 0.85PHY
L901	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
L902	0LCML00004A	FILTER,EMC MLB-160808-0068L-N2 1A
L906	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
L908	0LCML00004A	FILTER,EMC MLB-160808-0068L-N2 1A
L909	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
L910	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
L911	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
L912	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
L913	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2 5A
T300	0IZZVF0022D	FILTER,B.P. AFM118F6M00X1(AF-9424C)
T400	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T401	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T402	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T403	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T404	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T501	6200QJ3001A	FILTER,EMC BMS400 NIGATA 25V 200MA
T502	6200QJ3001A	FILTER,EMC BMS400 NIGATA 25V 200MA
T504	6200QJ3001A	FILTER,EMC BMS400 NIGATA 25V 200MA
T509	6200QJ3001A	FILTER,EMC BMS400 NIGATA 25V 200MA
T511	6200QJ3001A	FILTER,EMC BMS400 NIGATA 25V 200MA
T512	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T513	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T514	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T515	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T520	6200QJ3001A	FILTER,EMC BMS400 NIGATA 25V 200MA
T601	6200QJ3001A	FILTER,EMC BMS400 NIGATA 25V 200MA
T602	6200QJ3001A	FILTER,EMC BMS400 NIGATA 25V 200MA
T603	6200QJ3001A	FILTER,EMC BMS400 NIGATA 25V 200MA
T604	6200QJ3001A	FILTER,EMC BMS400 NIGATA 25V 200MA
X1	156-A01P	RESONATOR,CRYSTAL HC49U 8.000MHZ
X100	6212AB2015D	RESONATOR,CRYSTAL HC-49/SM 16MHZ
X102	6202VDT002E	RESONATOR,CRYSTAL SX-1SMD 20250000HZ
X1202	156-A01E	RESONATOR,CRYSTAL HC49U 4.000MHZ
X1203	6212BA2002C	RESONATOR,CERAMIC CSALA2M69G4ZF01-B0
X600	156-A02R	RESONATOR,CRYSTAL HC49U 18.432MHZ
X700	6212AB2806A	RESONATOR,CRYSTAL SX-1 24.576MHZ

MISCELLANEOUS

F701	0FS4001B84B	FUSE,SLOW BLOW 0FS 4000MA 250V
F800	0FS5001B51D	FUSE,SLOW BLOW 5000MA 250V
IC505	6204B60001B	OSCILLATOR,27MHZ +/- 100 PPM
IC704	6204B47985C	OSCILLATOR,SCO-103 100MHZ
PA1	6712SCA228A	REMOTE CONTROLLER RECEIVER,38KHZ
TH801	163-048D	THERMISTOR,NTC KL15L2R5 +/- 15% 125V
TH802	163-048D	THERMISTOR,NTC KL15L2R5 +/- 15% 125V
TU100	6700NFNS06Q	TUNER,TAUD-H101F
TU101	6700NFNS06P	TUNER,TAFD-H101P
VA800	164-003K	VARISTOR,SVC621D-14A 620V 0%

ACCESSORIES

A1	3828VA0465L	MANUAL,OWNERS MB042H
A2	6710V00102J	REMOTE CONTROLLER



P/NO : 3828VD0183H

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CANADA: LG Electronics Canada, Inc. 550 Matheson Boulevard East Mississauga, Ontario L4Z 4G3

USA : LG Electronics Alabama, Inc.
P.O.Box 240007, 201 James Record Road Bldg 3
Huntsville, AL 35824

AC INPUT LINE FILTER BOARD

MAIN SWITCH BOARD (ONLY DOMESTIC MODEL)

HDP common use SMPS

IC810
SMA E1017

TUNER_PACK(1/2)

PRE AMP

SIDE AV

INTERFACE

TACT SWITCH

LED INDEX CIRCUIT

RU-6SZ53D / RU-44SZ53D
SUB CIRCUIT

TUNER_PACK(2/2)

Level Shift

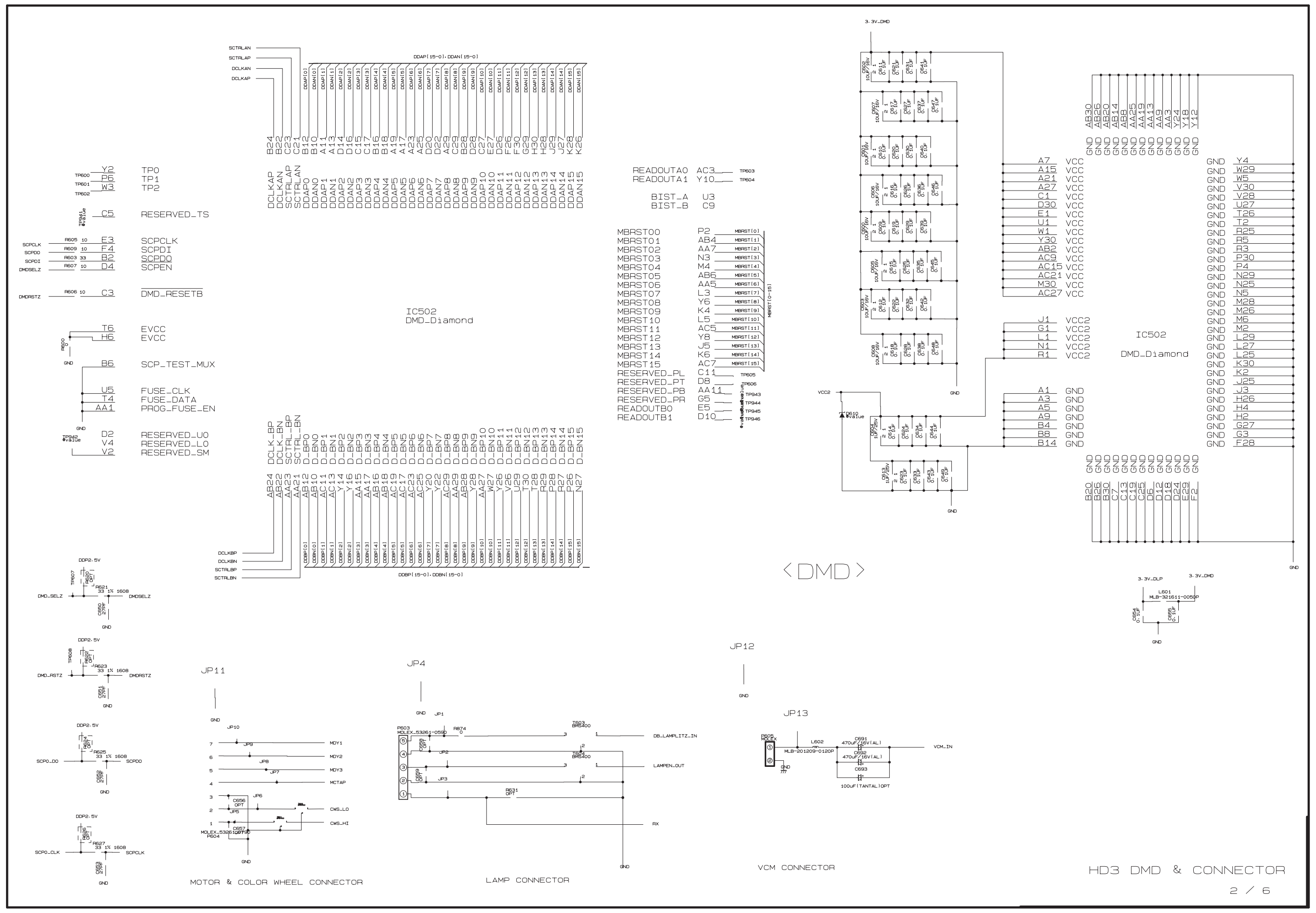
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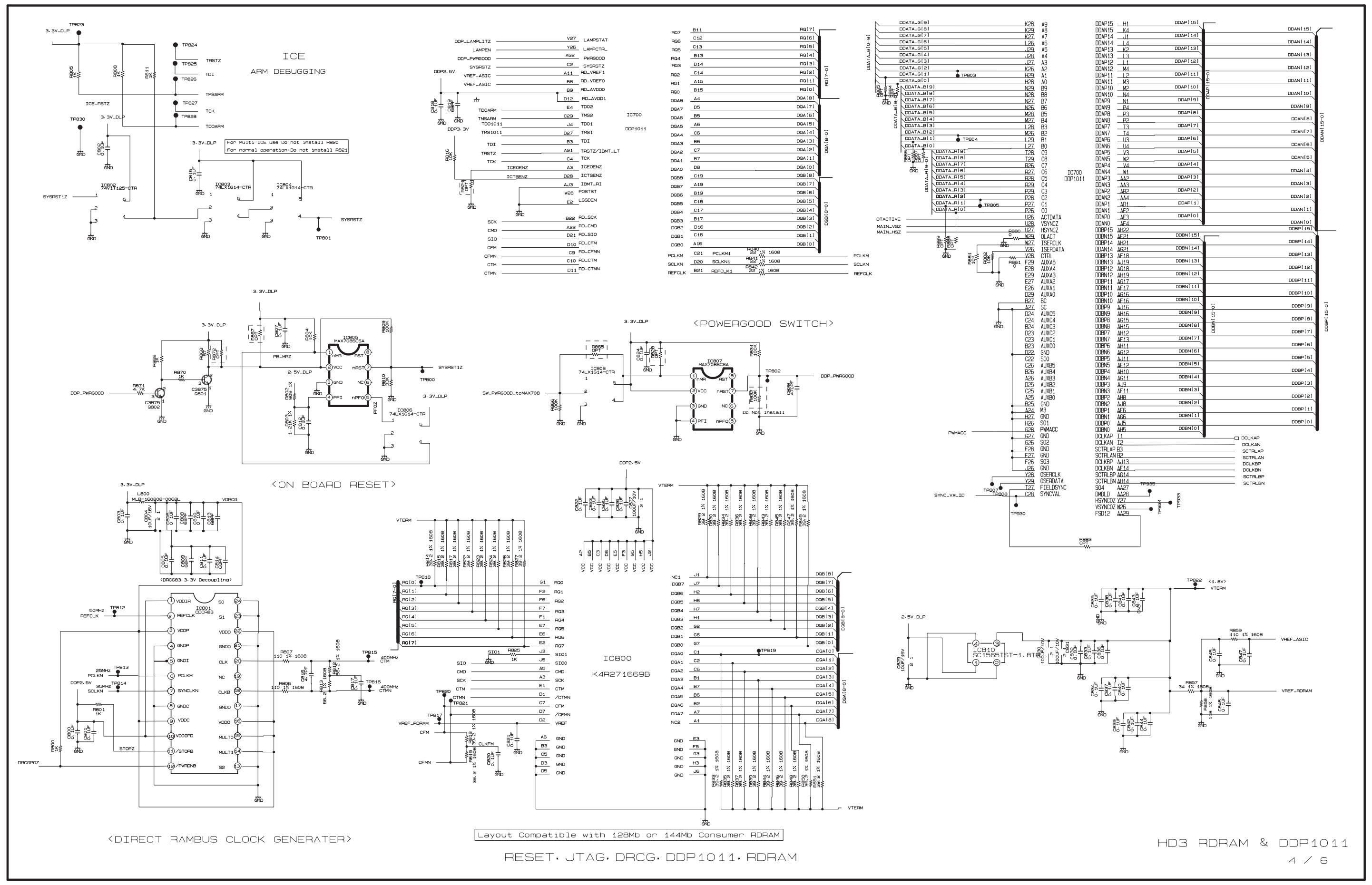
DAC & Current AMP

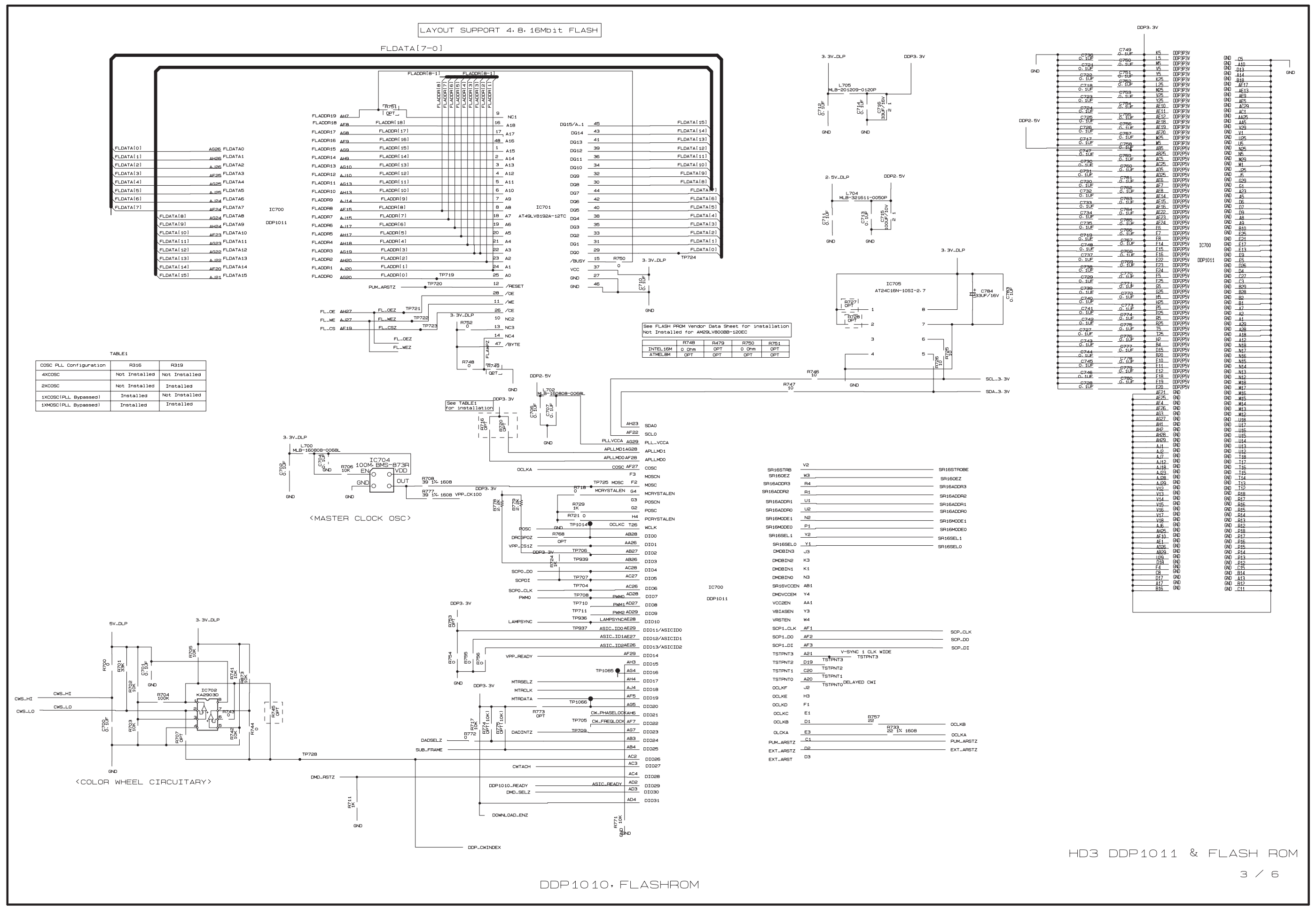
POWER CONNECTOR

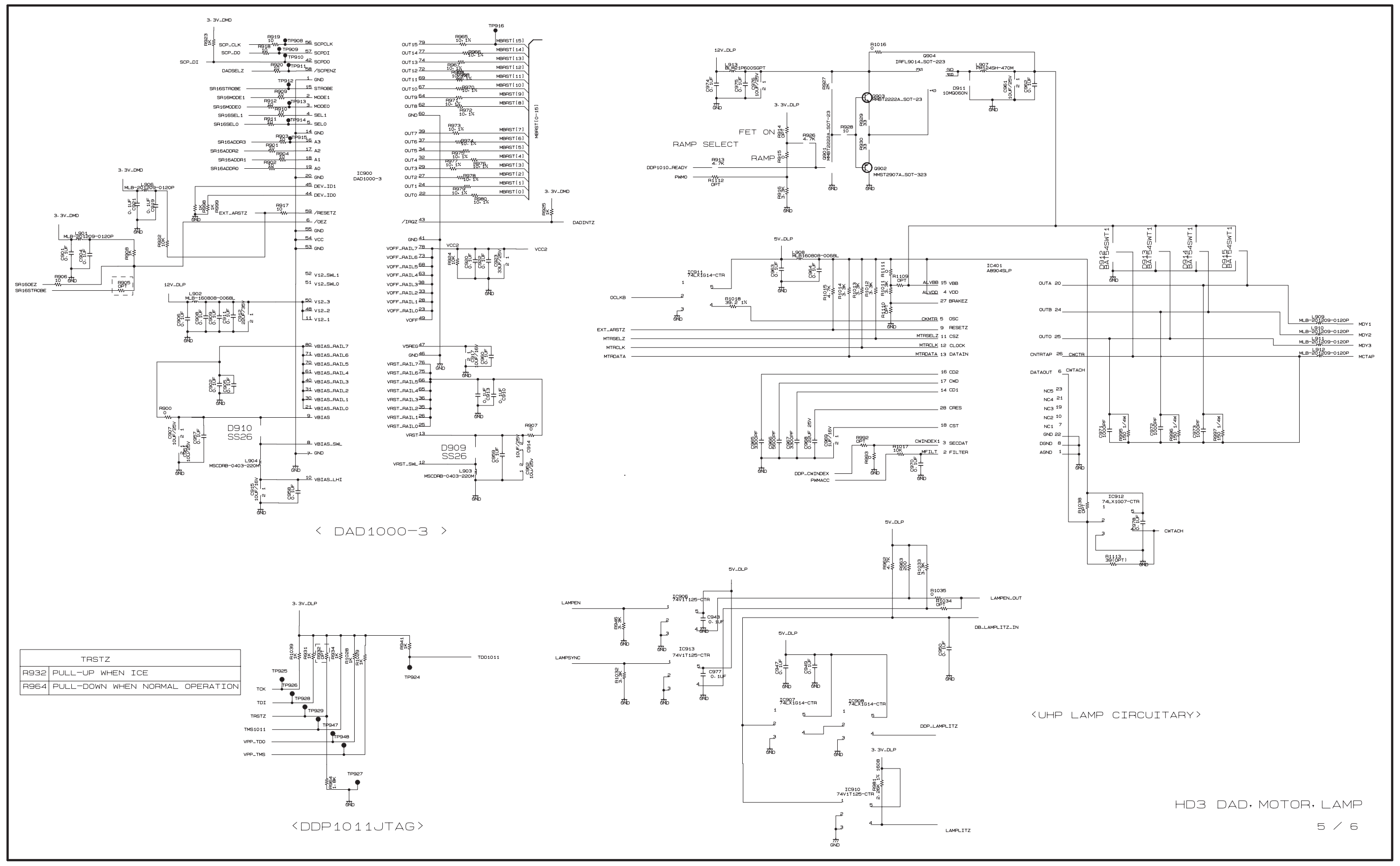
1.5V Regulator

HD3 LVDS & POWER
1 / 6


IC502
DMD_Diamond
<DMD>
JP11
JP4
JP12
JP13
MOTOR & COLOR WHEEL CONNECTOR
LAMP CONNECTOR
VCM CONNECTOR
HD3 DMD & CONNECTOR
2 / 6


ICE
ARM DEBUGGING
For Multi-ICE use:Do not install R820
For normal operation:Do not install R821
<ON BOARD RESET>
<POWERGOOD SWITCH>
<DIRECT RAMBUS CLOCK GENERATER>
IC800
K4R271669B
IC700
DDP1011
Layout Compatible with 128Mb or 144Mb Consumer RDRAM
RESET, JTAG, DRCG, DDP1011, RDRAM
HD3 RDRAM & DDP1011
4 / 6

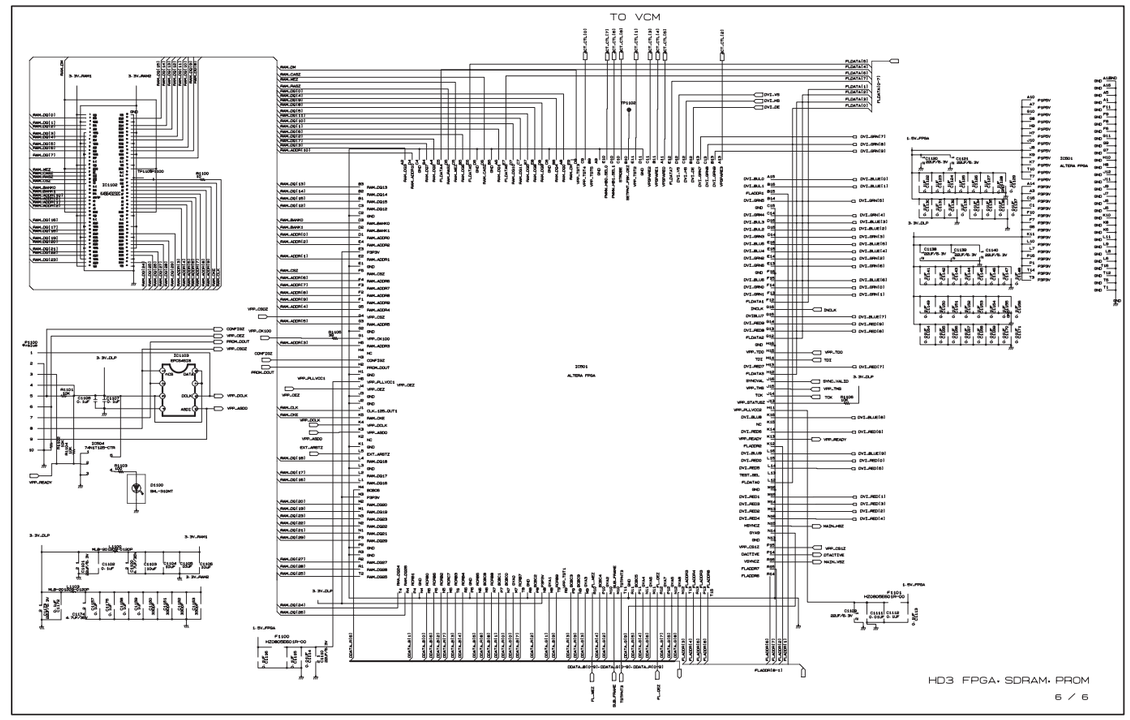

LAYOUT SUPPORT 4, 8, 16Mbit FLASH
FLDATA[7-0]
IC700
DDP1011
IC701
AT49LV8192A-12TC
See FLASH PROM Vendor Data Sheet for installation
Not Installed for AM29LV800BB-120EC
TABLE1
COSC PLL Configuration R316 R319
4XCOSC Not Installed Not Installed
2XCOSC Not Installed Installed
1XCOSC(PLL Bypassed) Installed Not Installed
1XMOSC(PLL Bypassed) Installed Installed
IC704
100M, BMS-873R
<MASTER CLOCK OSC>
IC702
KA2903D
<COLOR WHEEL CIRCUITARY>
IC705
AT24C16N-10SI-2.7
DDP1010, FLASHROM
HD3 DDP1011 & FLASH ROM
3 / 6

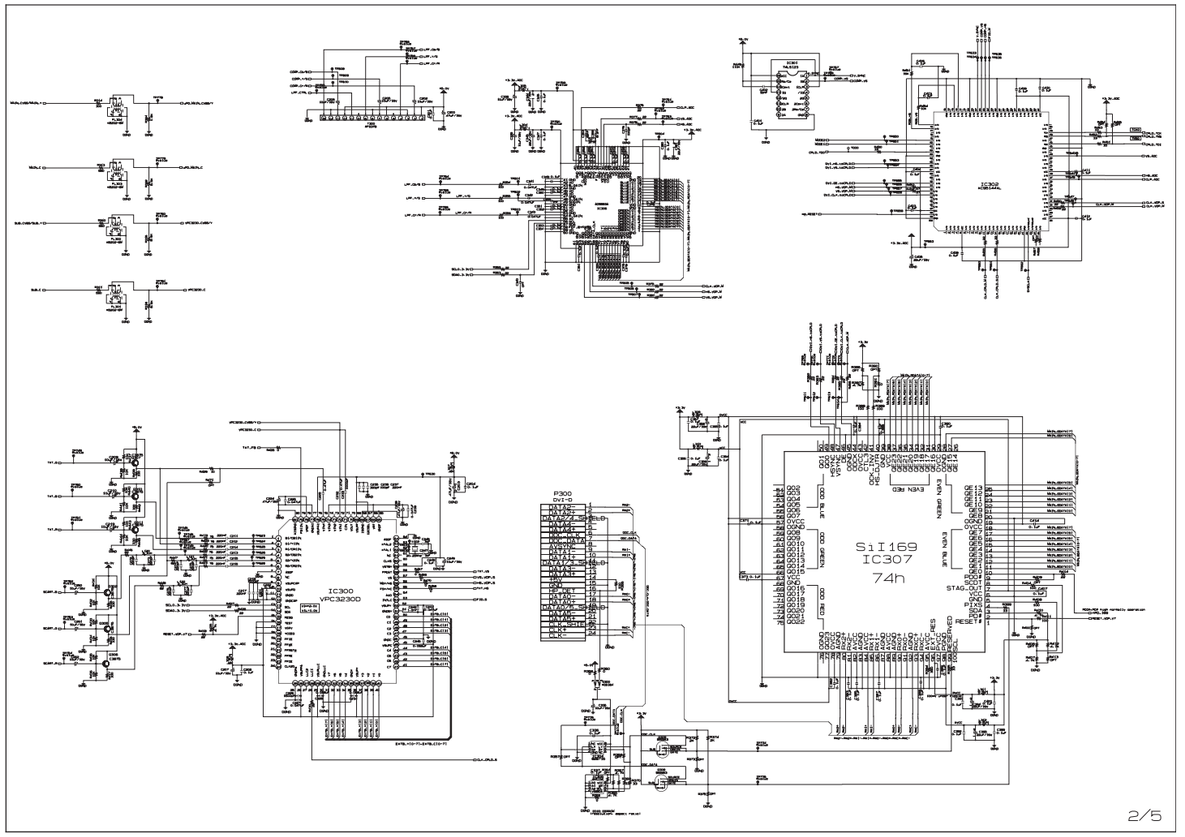

IC900
DAD1000-3
D910
SS26
D909
SS26
< DAD1000-3 >
TRSTZ
R932 PULL-UP WHEN ICE
R964 PULL-DOWN WHEN NORMAL OPERATION
<DDP1011JTAG>
RAMP SELECT
FET ON
RAMP
IC401
A8904SLP
<UHP LAMP CIRCUITARY>
HD3 DAD, MOTOR, LAMP
5 / 6

TO VCM

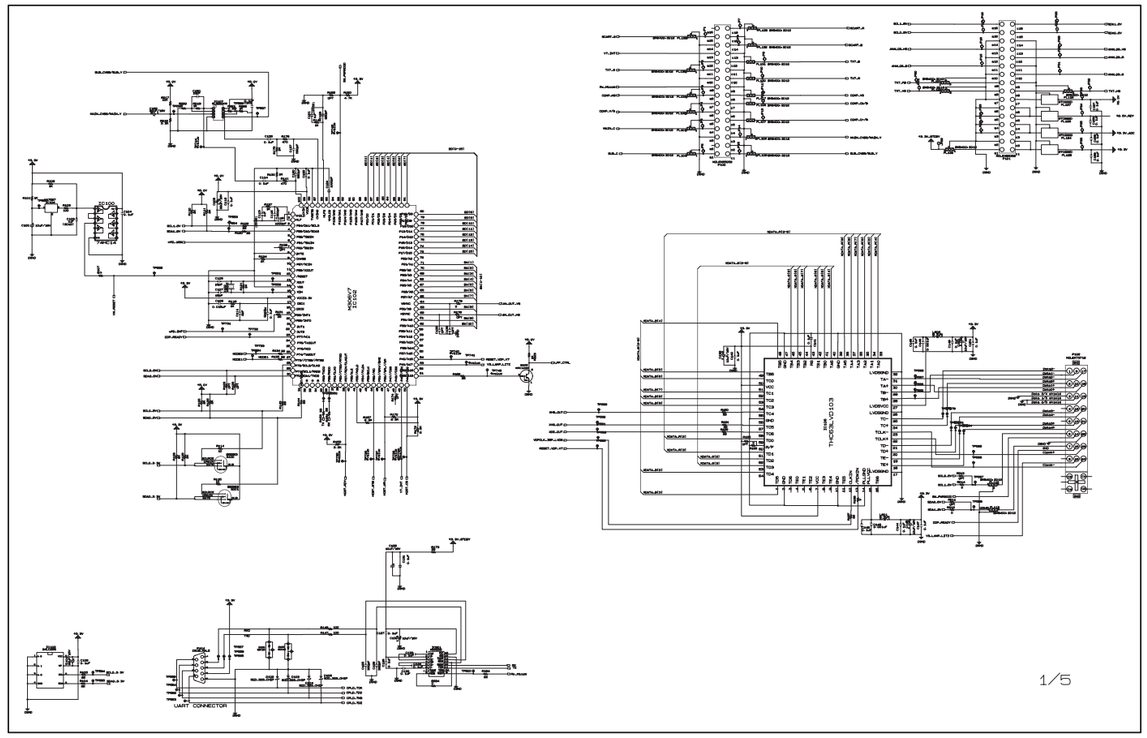
HD3 FPGA, SDRAM, PROM

6 / 6

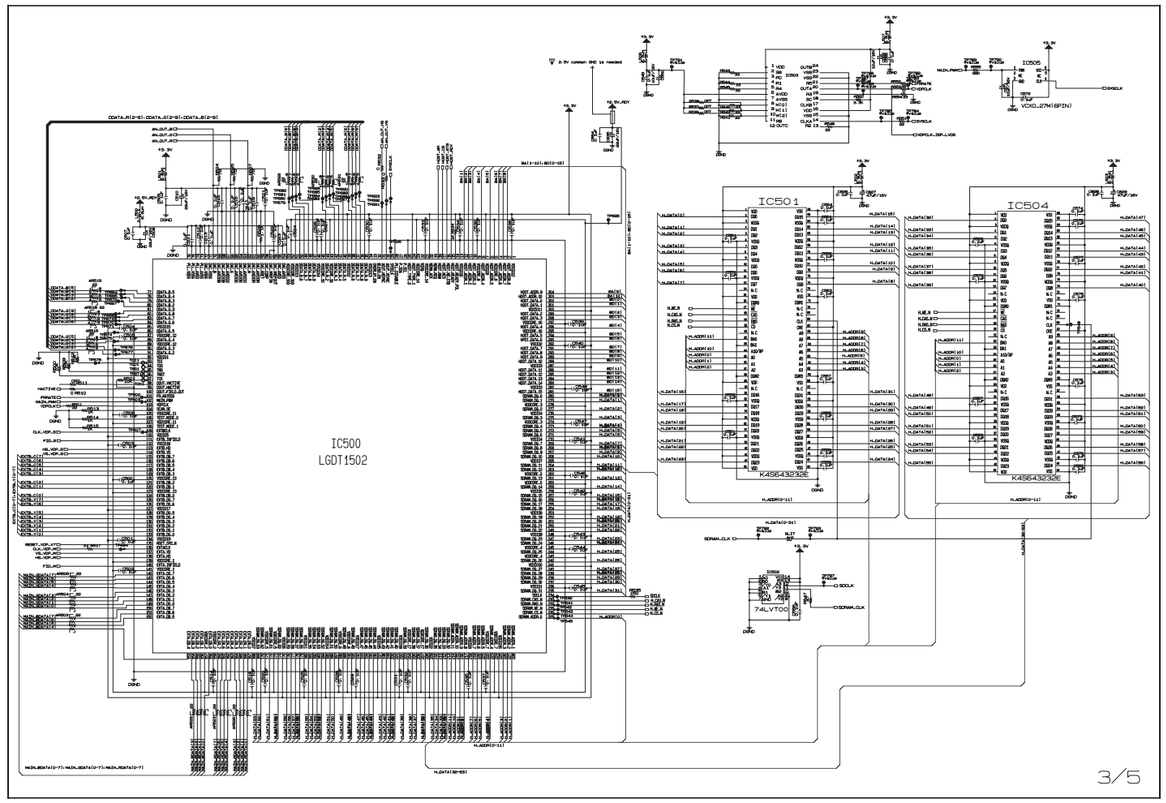




2/5



1/5



3/5

uPD64011
IC703

IC702
HY57V161610

For CPT. PJT

4/5

JA1200
RGB_INPUT

JA1201
COMP2_VIDEO

JA1202A
COMP2_AUDIO

JA1202A
COMP1_AUDIO

JA1201
COMP1_VIDEO

IC1201
CXA2181Q

JA1201
CTR/PC_AUDIO

JA1202A
VAR_AUDIO

COMPONENT B/D

IC900
LGDT4410

DDATA_R[2-9]
DDATA_G[2-9]
DDATA_B[2-9]

5/5

DN/RU-44SZ80L MAIN BOTTOM

TO USE BUILT-IN

DRIVER POWER

DLP OPTION

P202A

P201A

DIGITAL B/D PACK

TEXT 2000

P1200A

COMPONENT/PC PACK

P102A

P101A

ANALOG TUNER B/D PACK

IC705
LA42B2

Color Wheel Sensor Board

TC7S14F

GP2S40