

HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

SERVICE MANUAL

LA-5 CHASSIS

<u>MODEL NAME</u>	<u>REMOTE COMMANDER</u>	<u>DESTINATION</u>
KDF-37H1000	RM-YD014	US/CND

ORIGINAL MANUAL ISSUE DATE: 4/2007

 :UPDATED ITEM

<u>REVISION DATE</u>	<u>SUBJECT</u>
4/2007	No revisions or updates are applicable at this time.
4/2007	Corrected Reference numbers for Fan and Fan Damper. Replaced page 71.
5/2007	Updated Self Diagnostic displays to include Lamp error. Replaced pages 8 & 9. Added PN for 2P Connector Assembly (Thermal Fuse). Replaced pages 15 & 72.

LCD PROJECTION TELEVISION

SONY®

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RM-YD014

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SONY®

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SPECIFICATIONS

Power Requirements 120V, 60Hz

Power Consumption (W)

In Use (Max) 200W

In Standby Less than 0.8W

Inputs/Outputs **HDMI IN 1/2**

Video - 480i, 480p, 720p, 1080i, 1080p, PC timing

Audio - Two channel linear PCM 32, 44.1 and 48 kHz,
16, 20, and 24 bit

Audio - (HDMI IN 2 only) 500 mVrms
(100% modulation) Impedance:47 kilo ohms

Video (IN) 1/2/3

Video

1 total Y: 1.0 Vp-p, 75ohms unbalanced,
sync negative

S Video (IN)

1 total (4-pin mini DIN)

Y: 1Vp-p, 75ohms unbalanced, sync negative

C: 0.286Vp-p (Burst signal), 75ohms

Audio (IN)

500 mVrms (100% modulation)

Impedance:47 kilo ohms

Component In 1/2/3

(Y, P_B/C_B) (Component Video)

Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative

P_B: 0.7 Vp-p, 75 ohms;

P_R: 0.7 Vp-p, 75 ohms

Audio (IN)

500 mVrms (100% modulation)

Impedance:47 kilo ohms

Audio Out

500 mVrms (100% modulation) Up to 2 Vrms at the
maximum volume setting (Varies with input level)

Digital Audio Optical Output (PCM/Dolby Digital)

Optical Rectangular

		KDF-37H1000
Speaker Output (W)		12W + 12W
	Speaker Dimension	
	mm	65 x 130 mm
	in	2 ^{9/16} x 5 ^{1/8} in
Dimensions (W x H x D)		
	mm	899 x 663 x 342 mm
	in	35 ^{7/16} x 26 ^{1/8} x 13 ^{1/2} in
Mass		
	kg	20 kg
	lbs	44.2 lbs


Trademark Information



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ENERGY STAR® is a U.S. registered mark.

Blu-ray Disc is a trademark.

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Design and specifications are subject to change without notice.

Television system

American TV standard, NTSC
ATSC Compliant 8VSB, ATSC (8VSB terrestrial)
ANSI/SCTE 07 2000, QAM on cable

Channel coverage

Terrestrial 2-69/ Cable TV: 1-125 (analog)
Terrestrial 2-69/ Cable TV: 1-135 (digital)

Screen Size (measured diagonally)

37 inches

Antenna

75-ohm external antenna terminal for VHF/UHF

Projection System

3 LCD Panels, 1 lens projection system

LCD Panel System

LCD (Liquid Crystal Display) Panel

LCD Panel

0.73 inch TFT LCD panel (1,280 x 720 pixels)

Projection Lens

High Performance, large diameter hybrid lens F2.4

Lamp

100W, XL-2500 Ultra High Pressure Lamp

Supplied Accessories

Remote Commander RM-YD014
Two Size AA (R6) Batteries
Operating Instructions
Quick Setup Guide
Warranty Card
Online Registration Card

Optional Accessories

Connecting Cables
Lamp
XL-2500 Ultra High Pressure Lamp

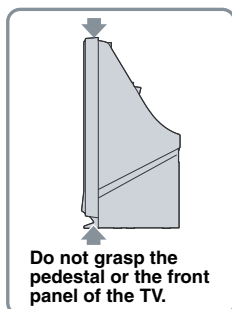
WARNINGS AND CAUTIONS

CAUTION

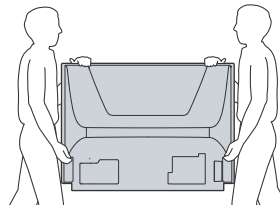
These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

CARRYING THE TV

Carrying the TV requires at least two people. Do not hold by the pedestal or the front panel of the TV. Doing so may cause these parts to break off.



When moving the TV, place one hand in the hole on the lower portion of the TV while grasping the top with the other hand, as shown in the illustration below.




If you have connected cables and cords, be sure to unplug them before moving the TV.

WARNING!!

An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis. The chassis of this receiver is directly connected to the AC power line.



SAFETY-RELATED COMPONENT WARNING!!

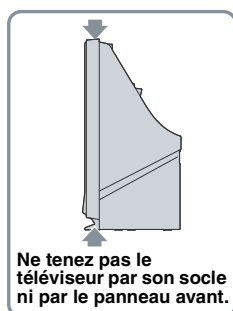
Components identified by shading and  mark on the schematic diagrams, exploded views, and in the parts list are critical for safe operation. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operation are identified in this manual. Follow these procedures whenever critical components are replaced or improper operation is suspected.

ATTENTION!!

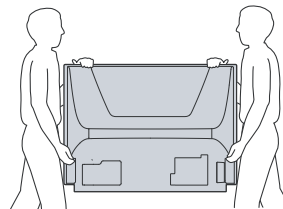
Ces instructions de service sont à l'usage du personnel de service qualifié seulement. Pour prévenir le risque de choc électrique, ne pas faire l'entretien autre que celui contenu dans le Mode d'emploi à moins que vous soyez qualifié faire ainsi.

TRANSPORTER LE TÉLÉVISEUR

Le transport du téléviseur doit être effectué par au moins deux personnes. Ne tenez pas le téléviseur par son socle ni par le panneau avant. Ces pièces risqueraient de se détacher.



Lorsque vous déplacez le téléviseur, placez une main dans l'orifice de la partie inférieure du téléviseur tout en tenant la partie supérieure de l'autre main, comme illustré ci-dessous.




Si vous avez branché les câbles et les cordons d'alimentation, veillez à les débrancher avant de déplacer le téléviseur.

Afin d'éviter tout risque d'électrocution provenant d'un châssis sous tension, un transformateur d'isolement doit être utilisé lors de tout dépannage. Le châssis de ce récepteur est directement raccordé à l'alimentation du secteur.



ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

Les composants identifiés par une trame et par une marque  sur les schémas de principe, les vues explosées et les listes de pièces sont d'une importance critique pour la sécurité du fonctionnement. Ne les remplacer que par des composants Sony dont le numéro de pièce est indiqué dans le présent manuel ou dans des suppléments publiés par Sony. Les réglages de circuit dont l'importance est critique pour la sécurité du fonctionnement sont identifiés dans le présent manuel. Suivre ces procédures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement suspecte.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or touching high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

Leakage Test

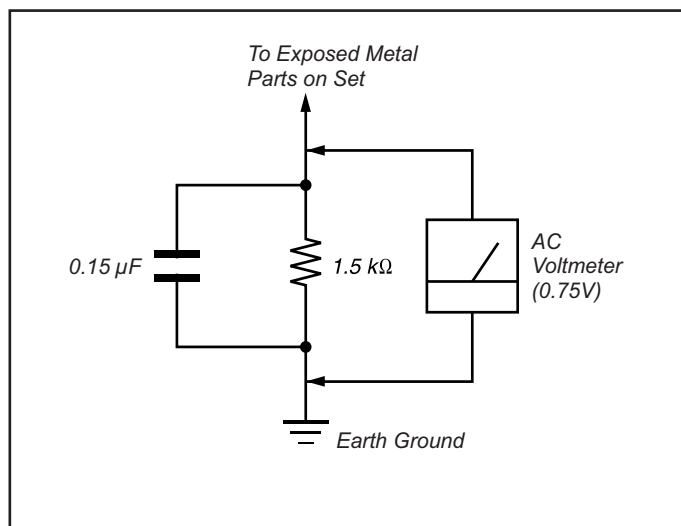


Figure A. Using an AC voltmeter to check AC leakage.

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble-light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

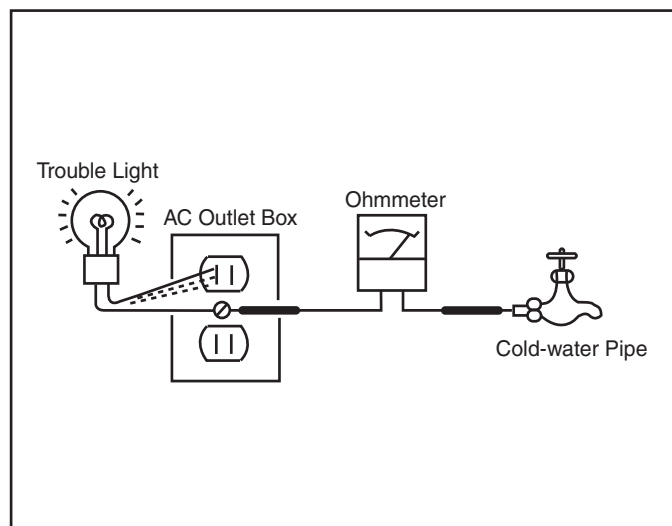


Figure B. Checking for earth ground.

SELF-DIAGNOSTIC FUNCTION



The units in this manual contain a self-diagnostic function. If an error occurs, the POWER/STANDBY will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the POWER/STANDBY flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom is difficult to reproduced use the Remote Commander to display the record that is stored at the internal NVM to specify the cause of the failure.

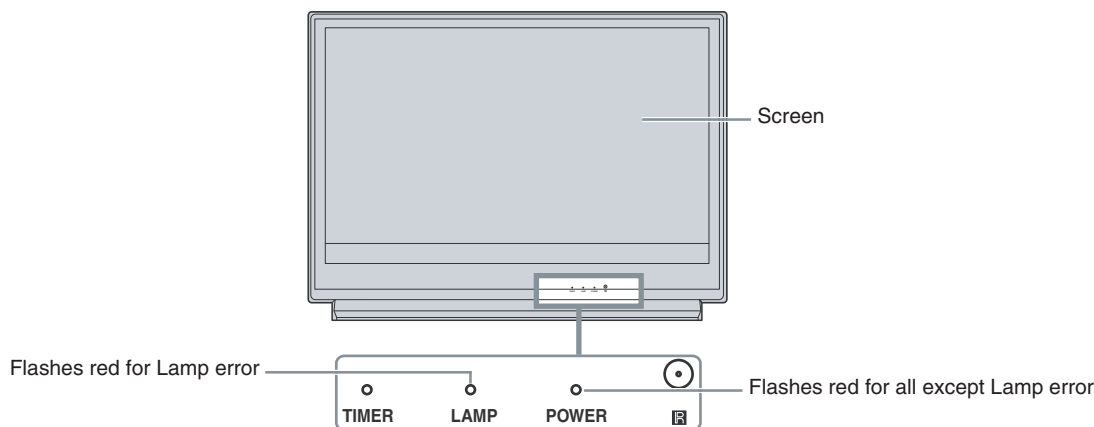
Diagnostic Test Indicators

When an error occurs, the POWER/STANDBY will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the POWER/STANDBY will identify the first of the problem areas. If the errors occur simultaneously, the one that corresponds to the fewest flashes is identified first.

Results for all of the following diagnostic items are displayed on screen. (No error has occurred if the screen displays a "0".)

Number of times LED indicator flashes	Diagnosis Item	Probable Cause
1	Lamp Error	Lamp not seated properly (Note: The lamp LED will flash red when this error occurs, not the Power LED)
2	OVP	10.5V is high on B Board
3	LowB Error	10.5V is low on B Board
4	Not Used in this model	
5	HV Detect	Ballast is not working
6	Lamp Cover/ Lamp Position	The Lamp cover is not closed securely.
7	Temp Error	High Temperature or sensor connection
8	Audio Error	DC error on U Board
9	Fan Error	Fan is not working properly

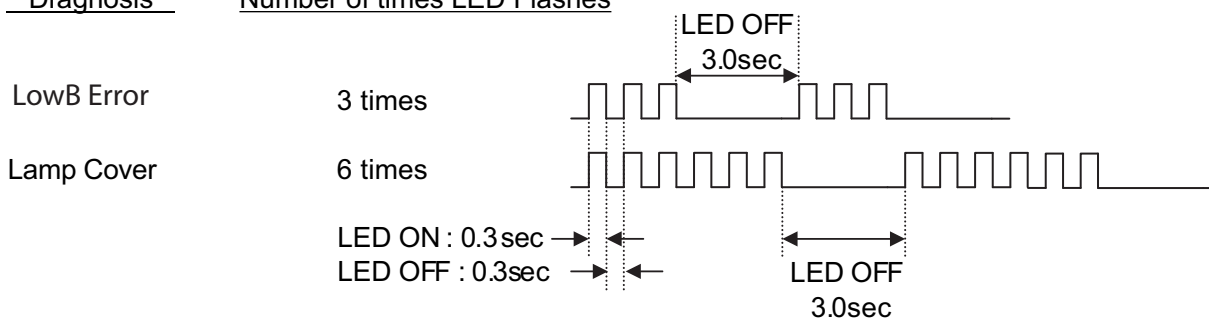
DISPLAY OF POWER/STANDBY OR LAMP LED FLASH COUNT



- 4 Flash is not used for self-diagnosis

- Example

Diagnosis Number of times LED Flashes



RELEASING THE POWER/STANDBY LED FLASH

Unplug the power cord from the outlet to temporarily stop the POWER/STANDBY lamp from flashing.

Self-Diagnostic Screen Display

For failures that are difficult to reproduce, or accompany occasional power off and/or picture mute, the Self-Diagnostic screen display is useful to specify the cause.

VIEWING THE SELF-DIAGNOSTIC SCREEN

1. TV must be in standby mode. (Power off).
2. Press the following buttons on the Remote Commander within a second of each other:

DISPLAY → Channel 5 → Volume 1 → POWER

NOTE: This differs from the method of accessing service mode which is Volume 4.

Sample Self-Diagnostic Screen Display

SELF CHECK		
1	: LAMP_ERR	0
2	: OVP	0
3	: LowB-ERROR	0
5	: HV DETECT	0
6	: LAMP_COVER	1
7	: TEMP-ERROR	0
8	: AUDIO-ERROR	0
9	: FAN-ERROR	0
Name: KDF-37H1000		
Serial: XXXXXXXXXX		

"1" is displayed when an error is detected one or more times
"0" is displayed when no error has been detected

NOTE: To refresh the Self Check menu when all the items are not displayed, press JUMP on the Remote Commander.

3. Proceed to Viewing the Self-Diagnostic Errors.

CLEARING THE SELF-DIAGNOSTIC SCREEN

The self-diagnostic results displayed on the screen are not cleared automatically, therefore you should always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the self-diagnostic screen to reset the results to "0".

Note: The self-diagnostic function will not be able to detect any subsequent faults after completion of the repairs unless the Self-Diagnostic result display is cleared to reset the results to "0".

1. If the Self-Diagnostic screen is already displayed, proceed to step 3. If not, Power off (Set to Standby mode).
2. Press DISPLAY → Channel 5 → Volume 1 → POWER
3. Press Channel 8 → 0
The status resets to 0.
4. To exit the Self-Diagnostic screen, turn the power off.

SECTION 1: DISASSEMBLY

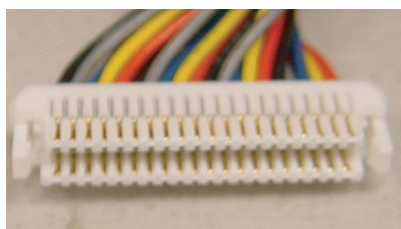
1-1. OVERVIEW

TOOLS NEEDED

- Long Phillips Screwdriver
- Needle Nose Pliers
- Small Flathead Screwdriver or Jewelers Screwdriver

The connectors in this chassis have been redesigned to ensure they are securely fasten to the boards. Please review the illustrations below.

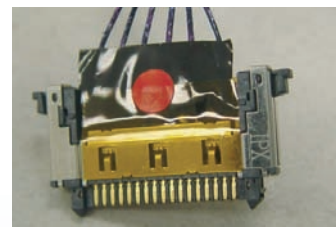
Use caution not to rock the Type 2 or Type 3 connectors when removing or reinstalling to avoid breaking the solder leads off the Printed Circuit Boards.



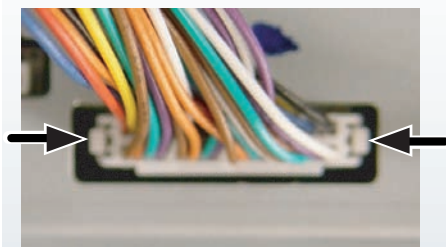
TYPE 1



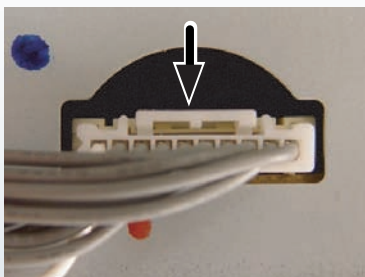
TYPE 2



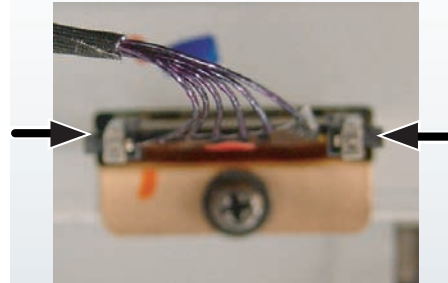
TYPE 3



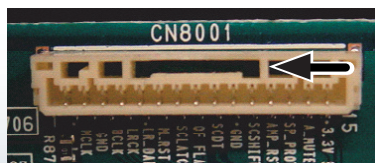
LIFT ONE SIDE AT A TIME BY PUSHING TAB IN WITH SMALL SCREWDRIVER



SQUEEZE DOWN ON TAB TO RELEASE



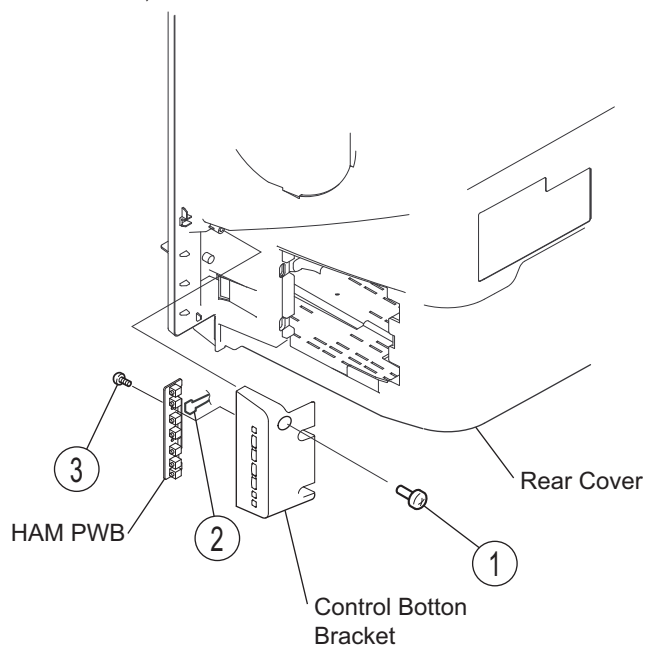
SQUEEZE LOCKING TAB TOWARDS CONNECTOR BEFORE PULLING FREE



CAUTION! IF THE TYPE 2 FEMALE CONNECTOR HAS A SLOT (AS SHOWN) MAKE SURE THE LOCK TAB SEATS INSIDE THIS SLOT.

1-2. HAM BOARD REMOVAL

- ① Remove one screw, +BVTP2 4X16
- ② Disconnect a connector from HAM board
- ③ Remove 2 screws for HAM board removal, +BVTP 3x12 TYPE2



1-3. SCREEN FRAME REMOVAL

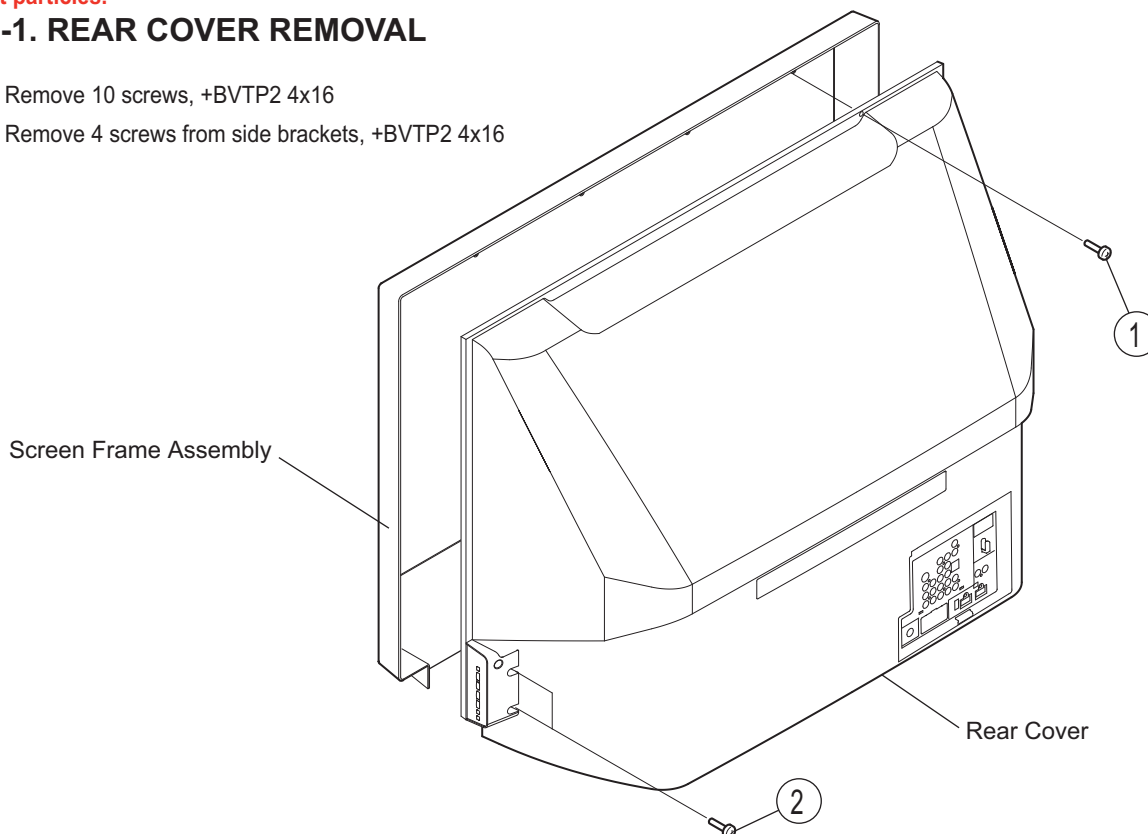
All of the components of this model can be reached by removing the Screen Frame Assembly.

Caution:

When removing the Rear Cover or the Screen Frame Assembly, be sure to clean the mirror and Diffusion Plate(s) to remove any dust particles.

1-3-1. REAR COVER REMOVAL

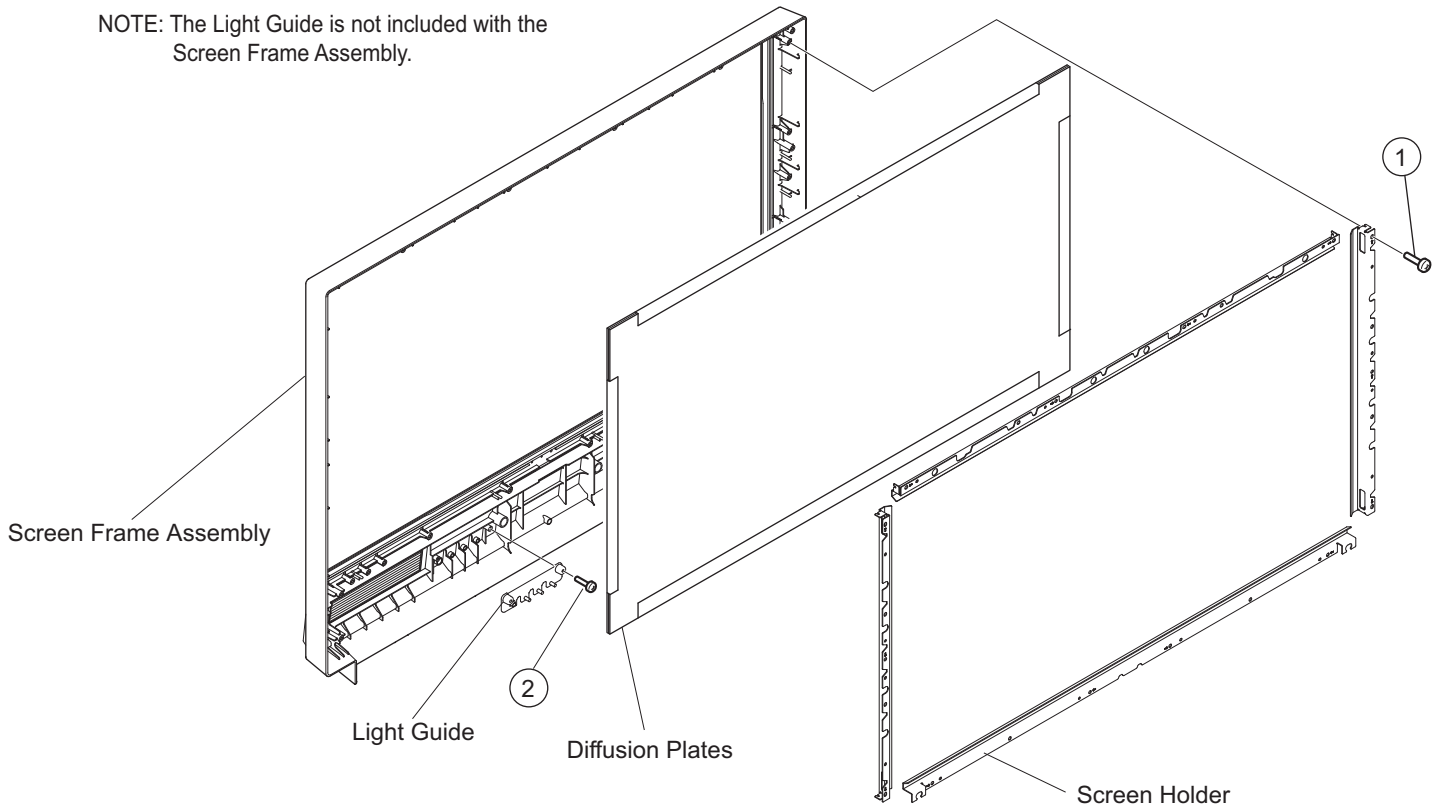
- ① Remove 10 screws, +BVTP2 4x16
- ② Remove 4 screws from side brackets, +BVTP2 4x16



1-3-2. DIFFUSION PLATES (SCREENS) AND SCREEN FRAME ASSEMBLY REMOVAL

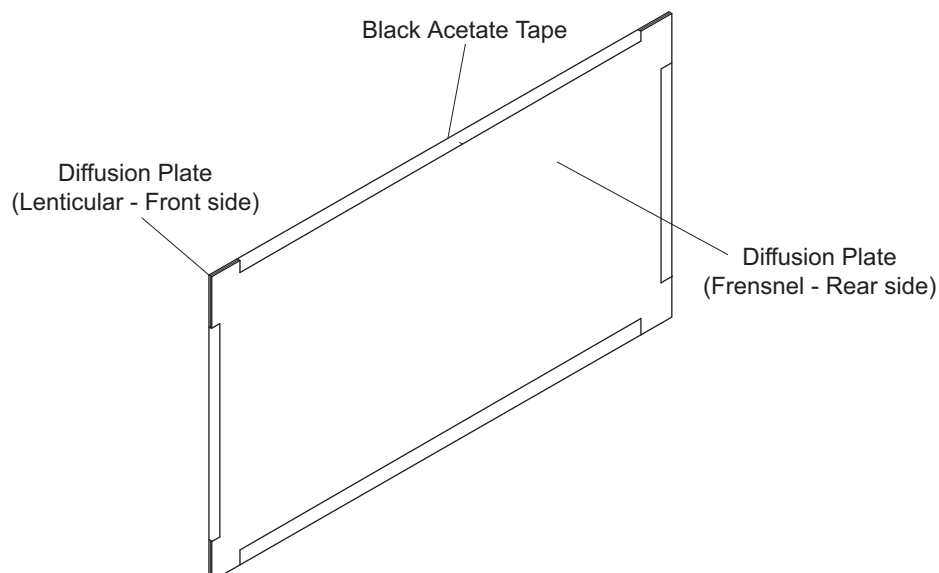
- ① Remove 4 screws, +BVTP2 4x16
(3 screws on each side to remove the side brackets,
and 4 screws on the top and bottom brackets.)
- ② Remove 1 screw, +BVTP 3x12, to remove Light Guide.

NOTE: The Light Guide is not included with the
Screen Frame Assembly.



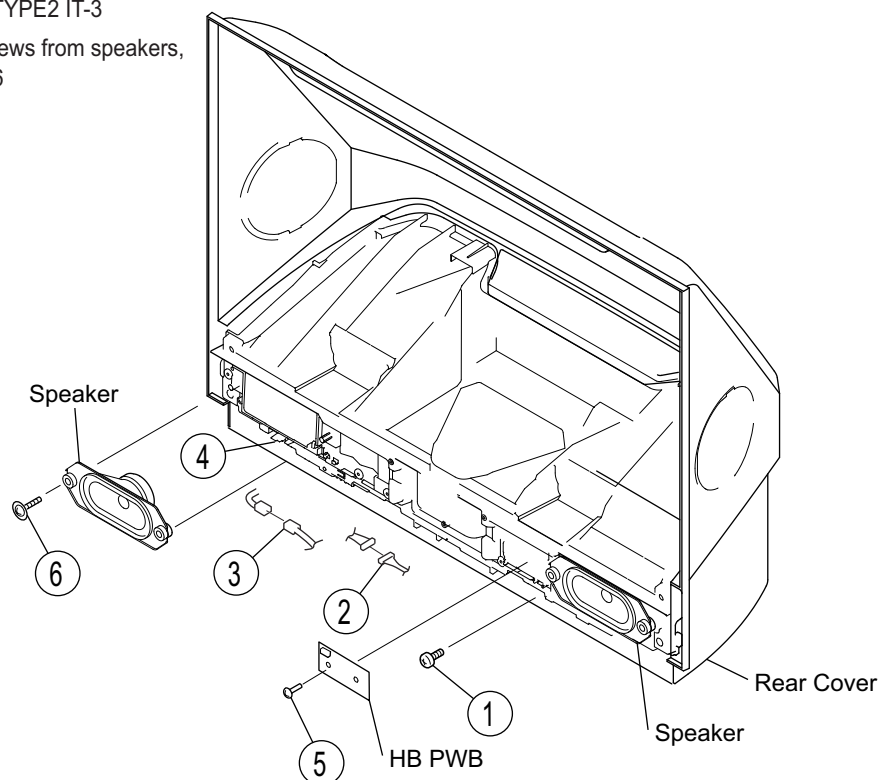
1-3-3. DIFFUSION PLATES (SCREENS) TAPE METHOD

NOTE: The following diagram illustrates the taping method when replacing the diffusion Plates.
For Part Numbers refer to the Exploded View section of this manual.



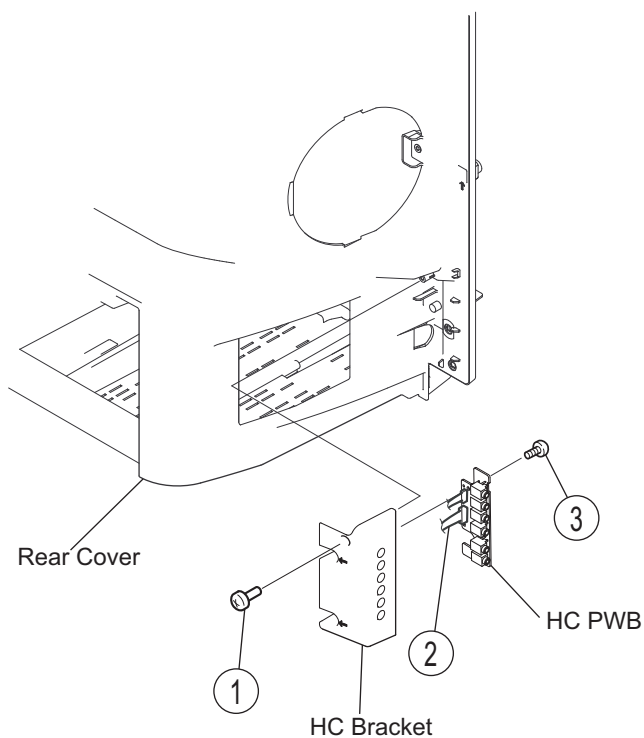
1-4. HB BOARD AND SPEAKER REMOVAL

- ① Remove 5 screws from separator, +BVTP2 4x16
- ② Disconnect connectors from HB board
- ③ Disconnect connectors from Speakers
- ④ Lift tabs and slide out separator unit.
- ⑤ Remove 2 screws for HB board removal, +BVTP 3x12 TYPE2 IT-3
- ⑥ Remove 4 screws from speakers, +BWTP2 4x16



1-5. HCM BOARD REMOVAL

- ① Remove one screw, +BVTP2 4X16
- ② Disconnect connectors from HCM board
- ③ Remove 2 screws for HCM board removal, +BVTP 3x12 TYPE2

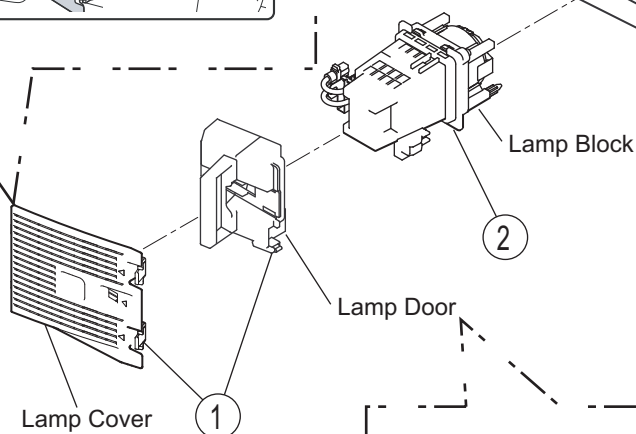
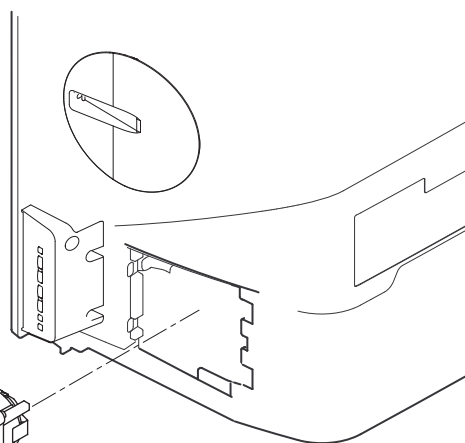
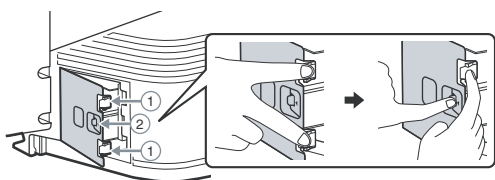


1-6. LAMP REMOVAL

For detailed instructions, refer to "Replacing the Lamp" in the Appendix section of this manual

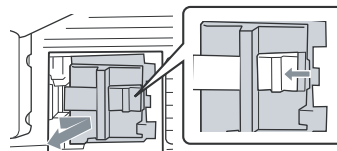
- ① Remove the Lamp Door and the Lamp Cover
- ② Pull the lamp out of the TV

Using equal force, press both hooks (marked by ①) towards the TV screen in the direction the arrows are pointing.
While pressing the two hooks (marked by ①), push the center lever (marked by ②) towards the TV screen and pull the Lamp Cover towards you. The lamp cover should come off easily.




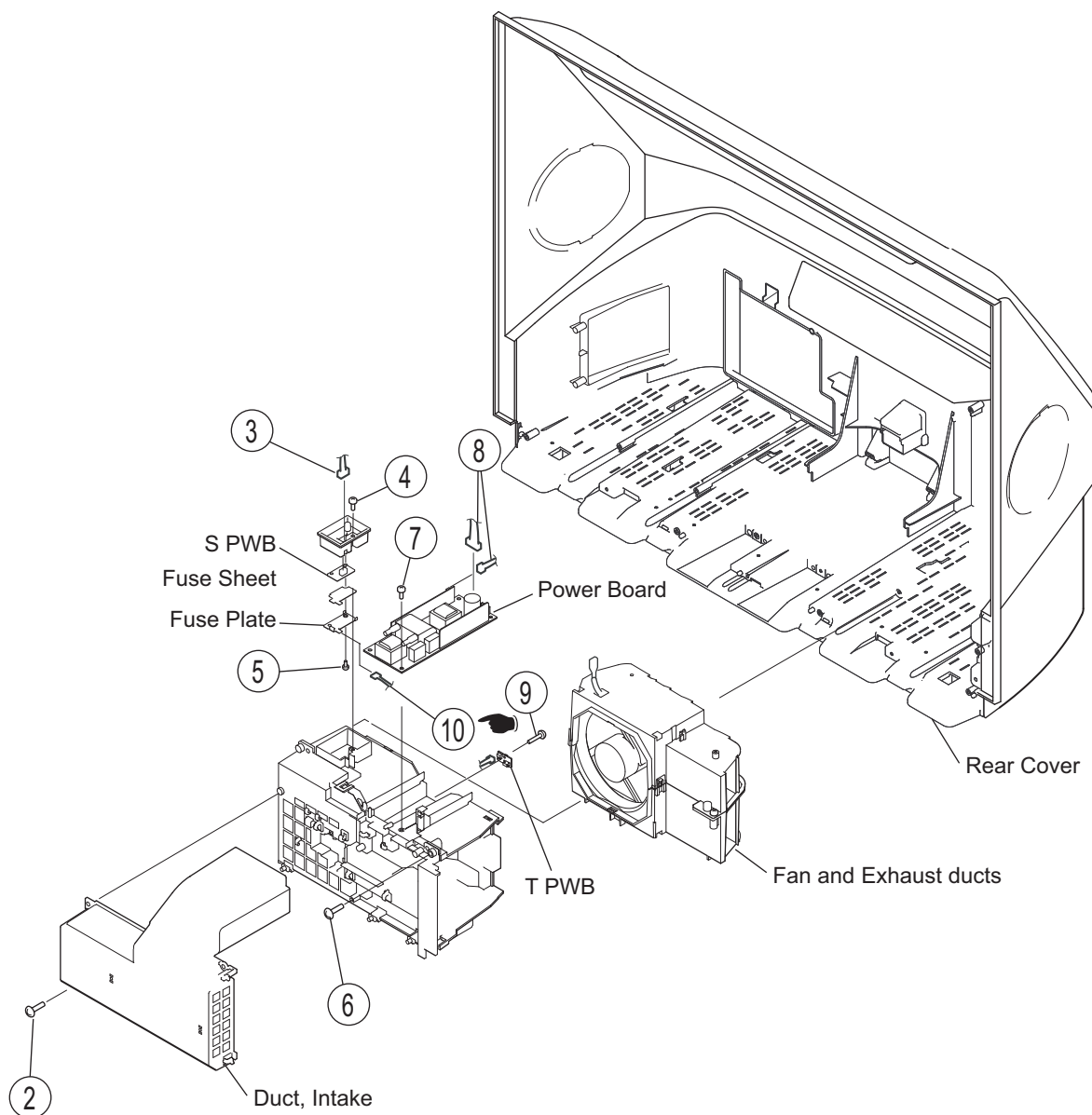
Remove the Lamp Door.

Holding the door knob, press the door lever toward the door knob in the direction the arrow is pointing. Then, pull the lamp door out of the TV towards you.



1-7. LAMP DUCT REMOVAL

- ① Disconnect 4 connector joints (not shown)
- ② Remove 2 screws, +BVTP2 4x16
- ③ Disconnect a connector from fuse box
- ④ Remove one screw, +BVTP 3x12 TYPE2 IT-3
- ⑤ Remove one screw, +BVTP 3x12 TYPE2 IT-3
- ⑥ Remove one screw, +BVTP 3x12 TYPE2 IT-3
- ⑦ Remove one screw, +BVTP 3x12 TYPE2 IT-3
- ⑧ Disconnect 2 connectors
- ⑨ Disconnect 2 connectors
- ⑩  Disconnect 1 connector (Thermal Fuse)

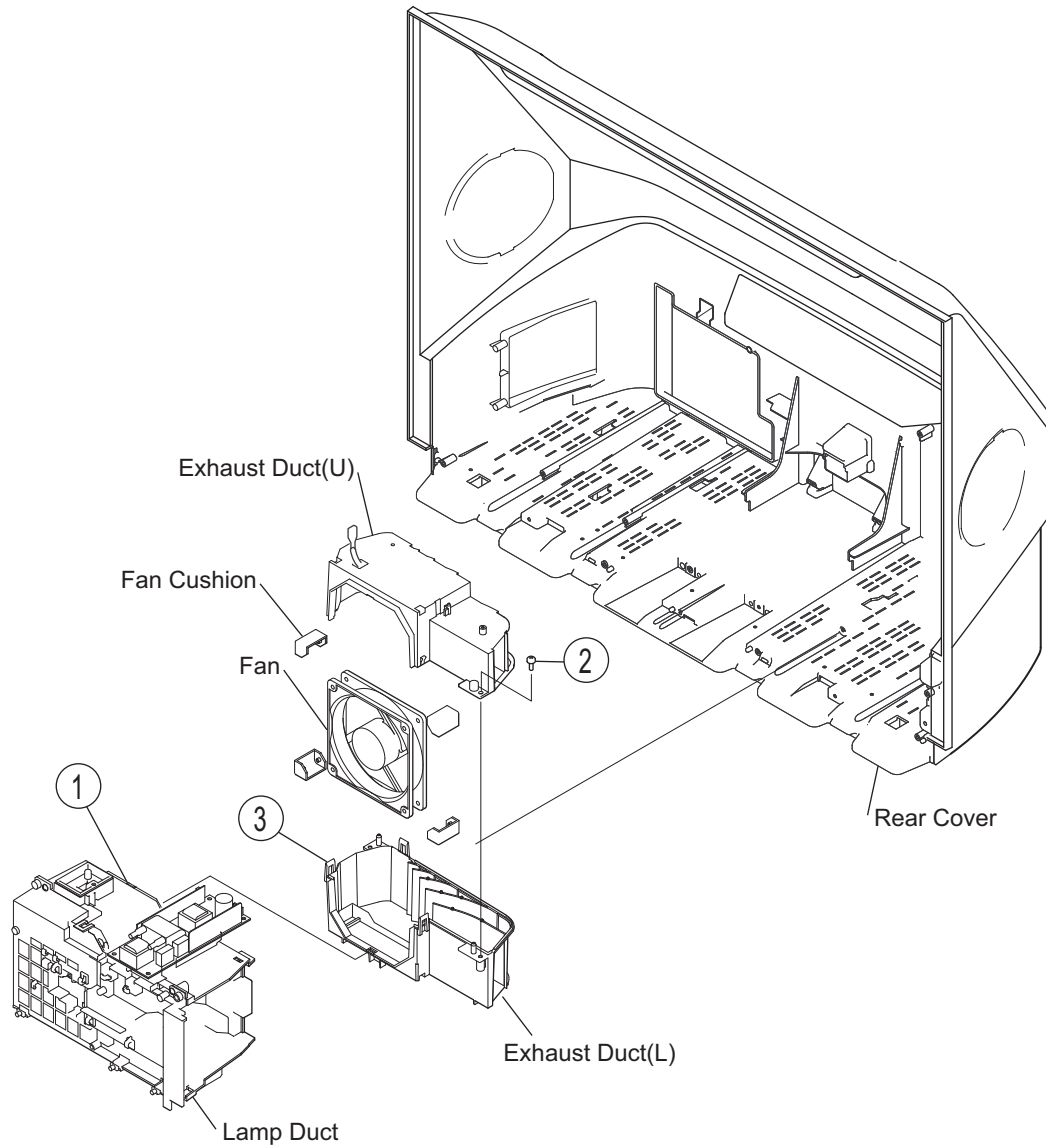


1-8. FAN EXHAUST DUCT REMOVAL

- ① Release hook from Lamp Duct
- ② Remove 2 screws, +BVTP2 4X16
- ③ Release three hooks to separate upper and lower duct

Caution:

When replacing the DC Fan be sure to remove any dust particles.



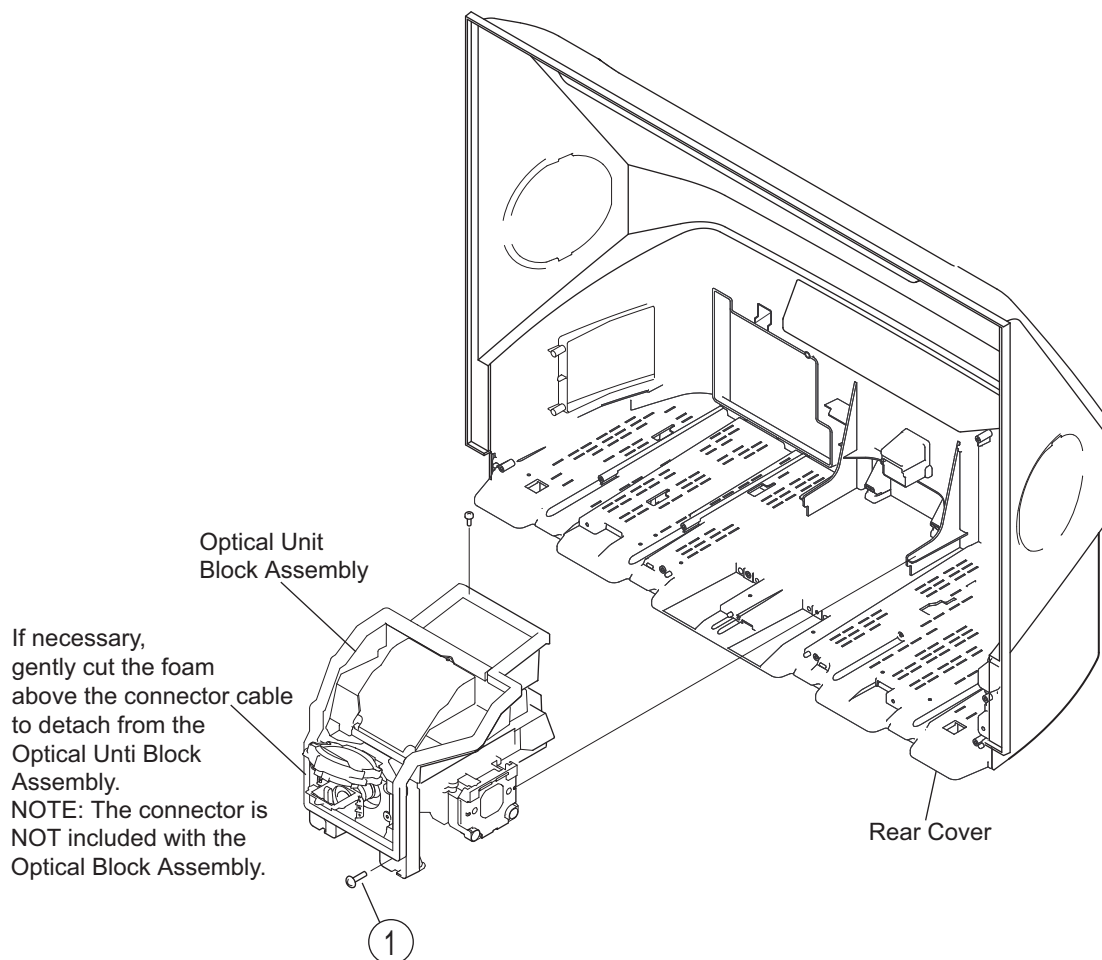
1-9. OPTICAL UNIT BLOCK REMOVAL

Use caution not to damage the lens when removing the Optical Unit Block Assembly

- ① Remove 2 screws, +BVTP2 4x16

Caution:

When replacing the Optics Unit Block Assembly be sure to remove any dust particles.

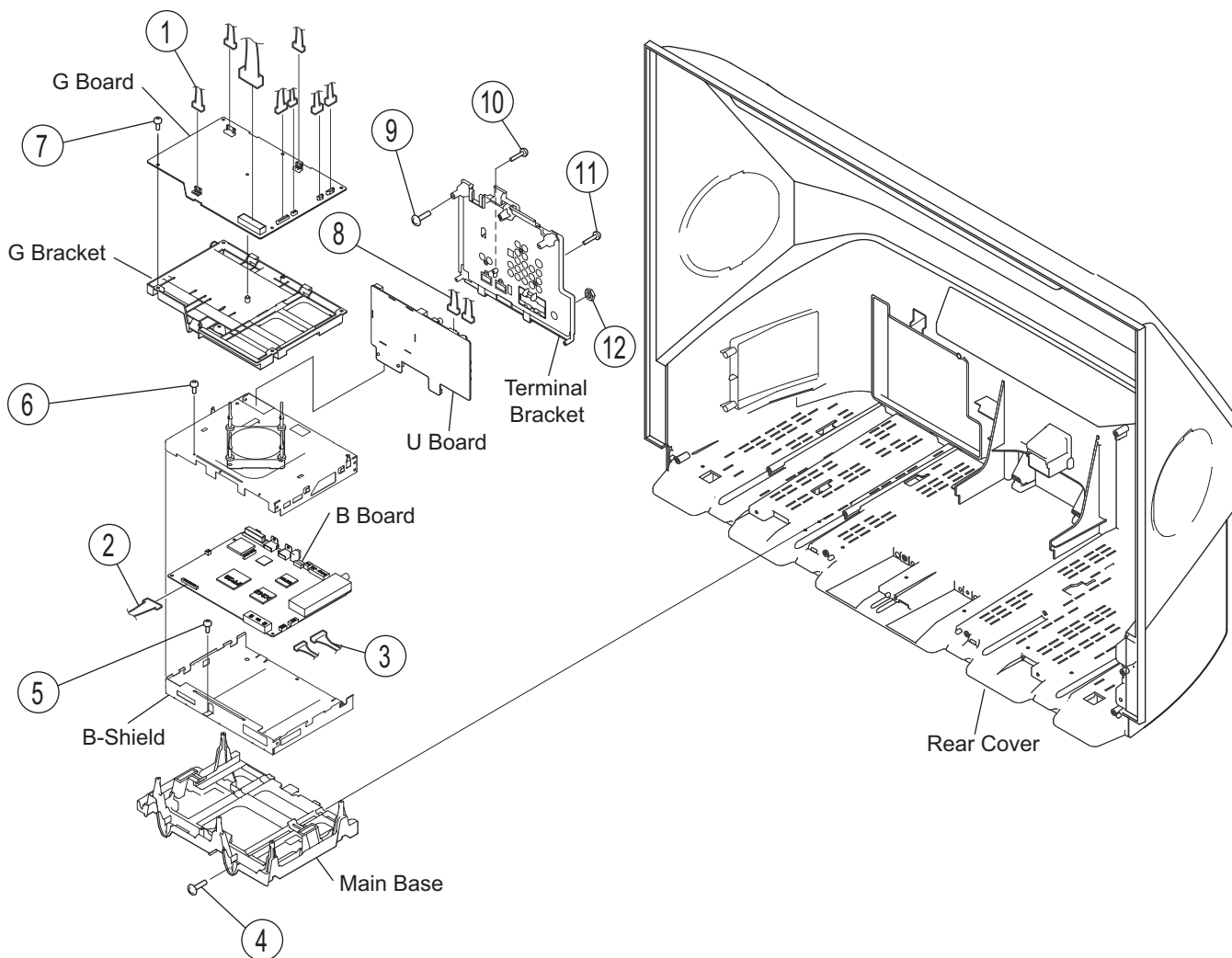


1-10. CHASSIS REMVOAL

- ① Disconnect 8 connectors from G board
- ② Disconnect a lead wire connector from B board
- ③ Disconnect 2 connectors from B board
- ④ Remove 2 screws, +BVTP2 4x16
- ⑤ Remove one screw, +BVTP 3x12 TYPE2 IT-3
- ⑥ Remove 3 screws, +PSW M3X8
- ⑦ Remove 6 screws, +BVTP 3x12 TYPE2 IT-3
- ⑧ Disconnect 2 connectors from U board
- ⑨ Remove 2 screws, SPECIAL (+PW 4X30)
- ⑩ Remove 2 screws, +PSW M3X8
- ⑪ Remove 2 screws, +BVTP 3x12 TYPE2 IT-3
- ⑫ Remove 1 washer hexagon nut from tuner

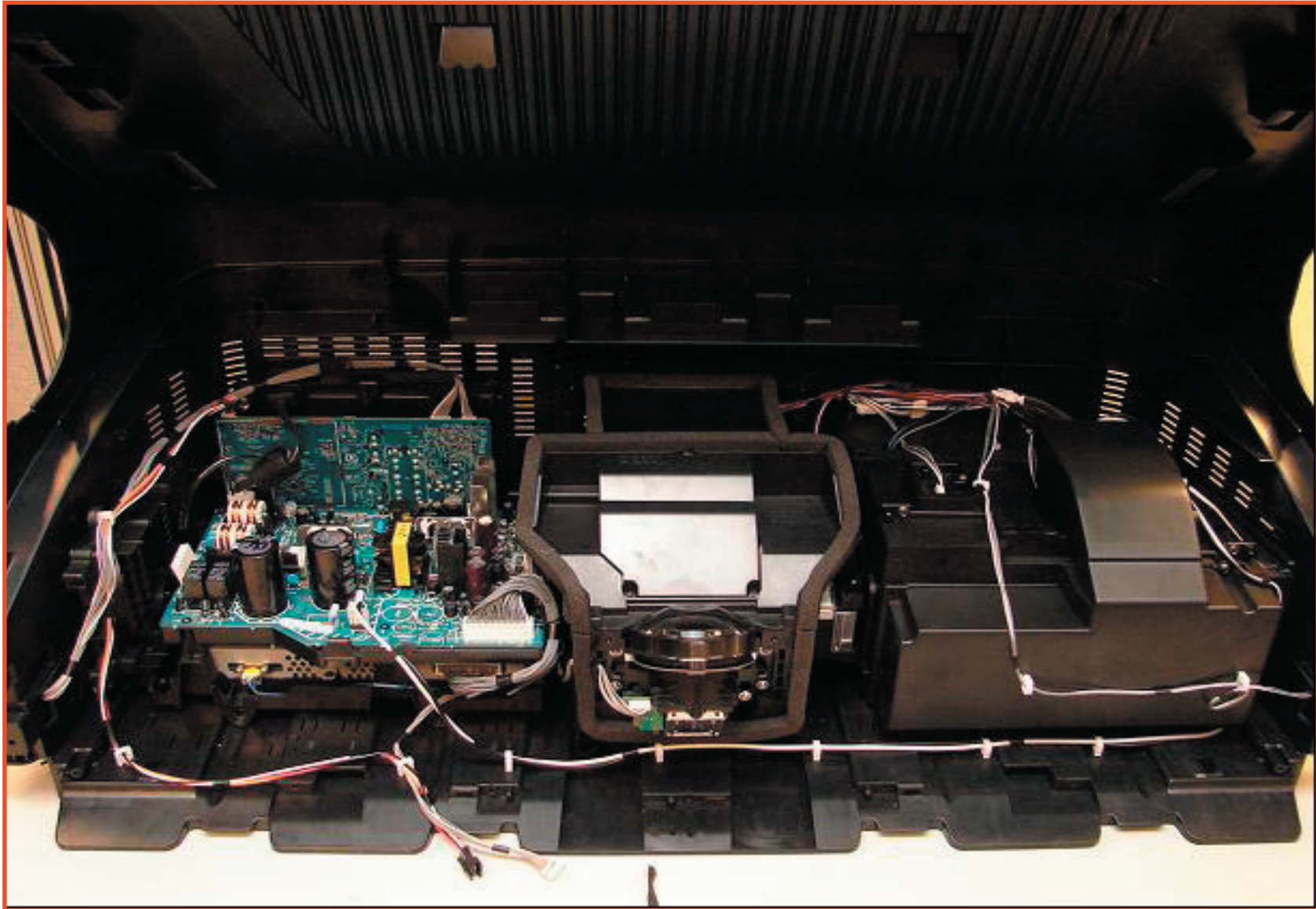
Caution:

When replacing any part of the chassis be sure to remove any dust particles and clean the mirror.



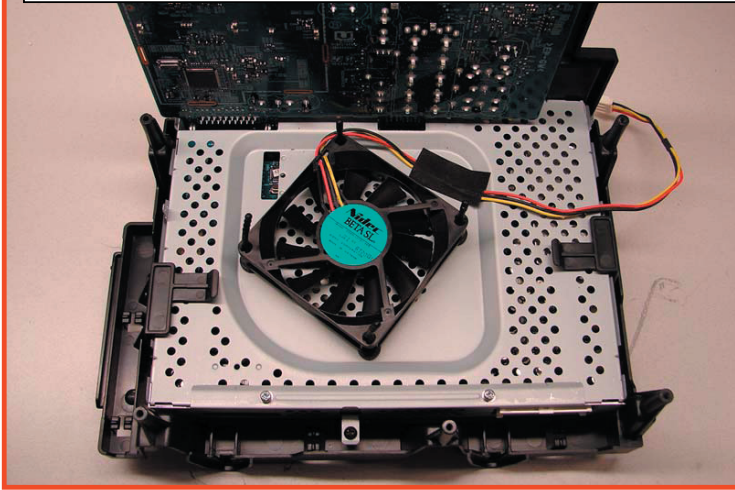
WIRE DRESSING

COMPLETE INTERNAL WIRE DRESSING

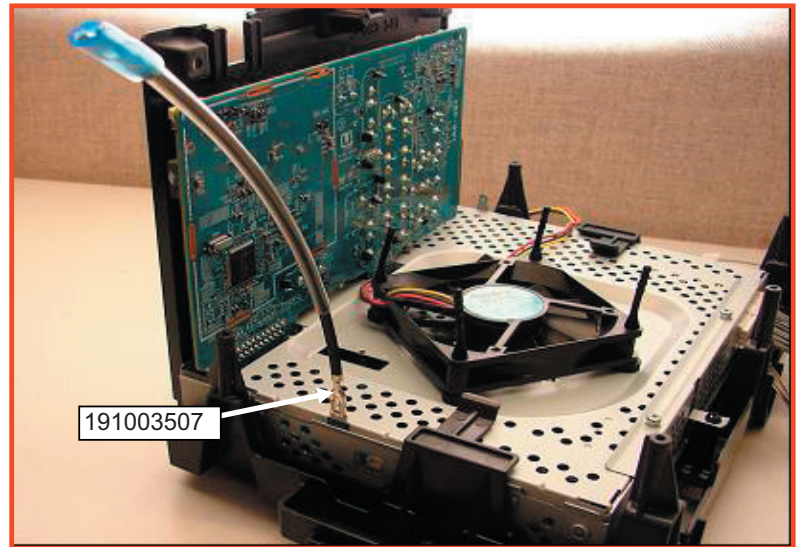
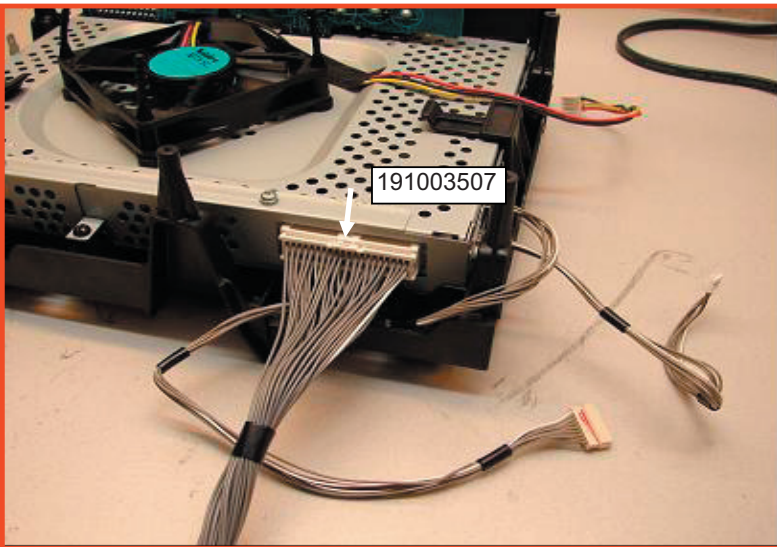
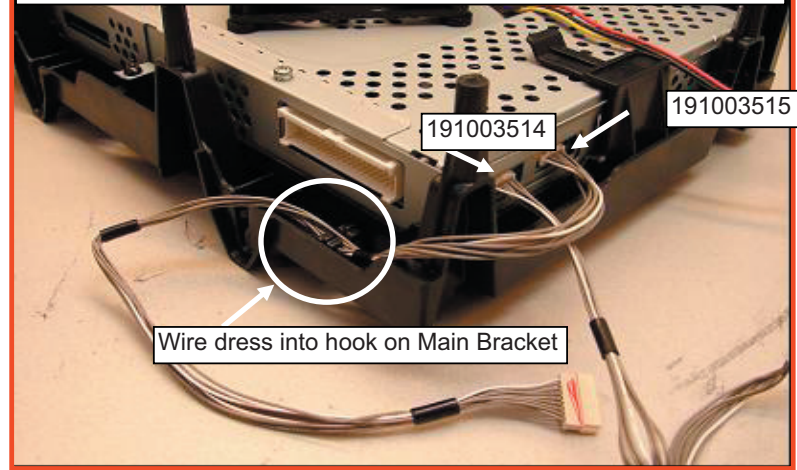


B BLOCK ASSEMBLY

After installing Fan add Himelon Tape as shown below

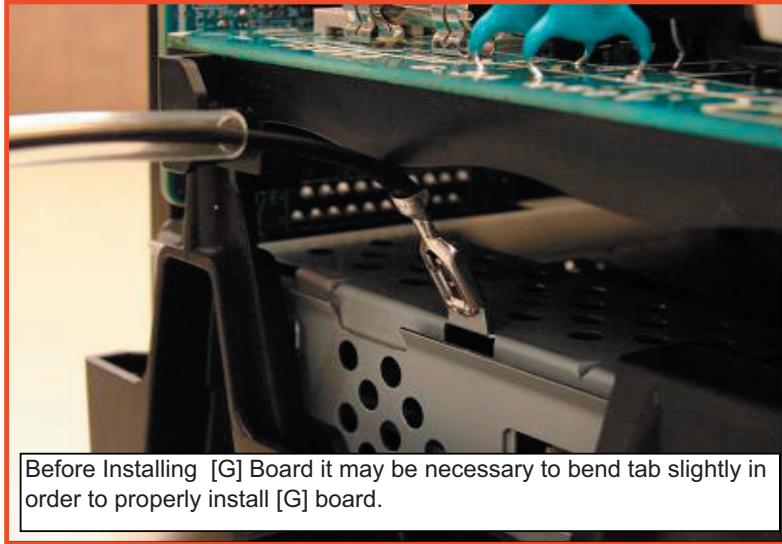


Install 8P IRIS and 9P HB joint connector assy and wire dress as shown

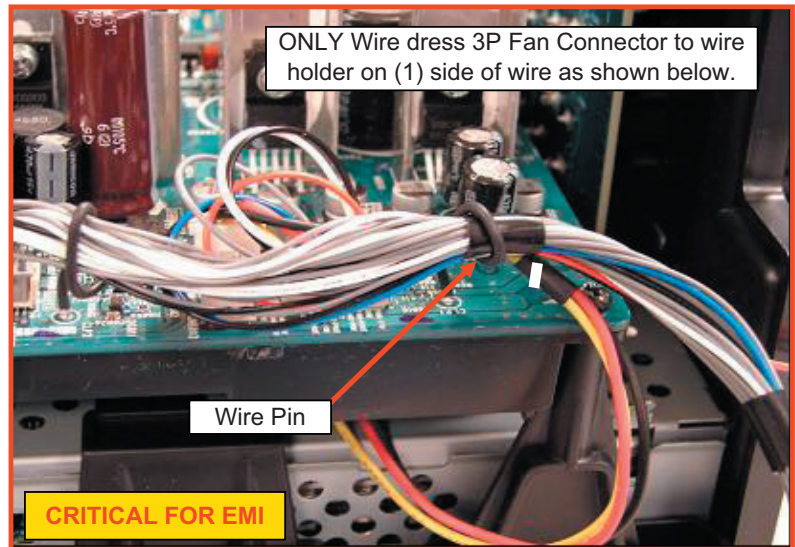
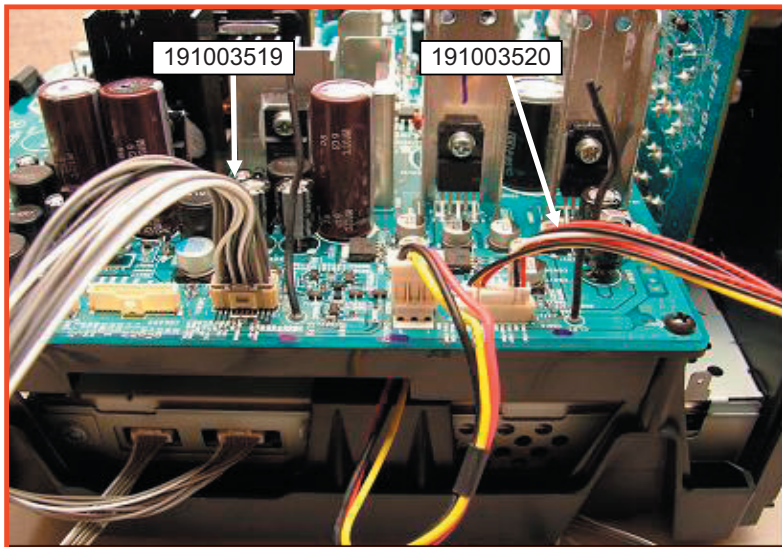
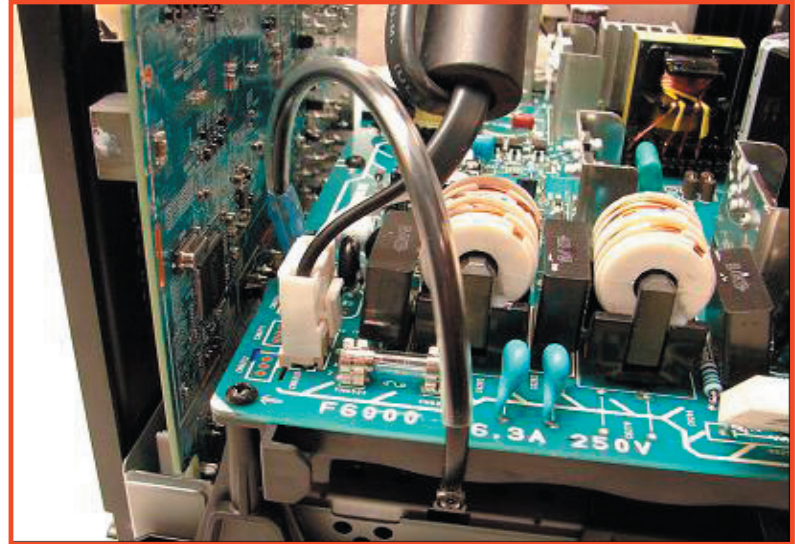


CHASSIS ASSEMBLY

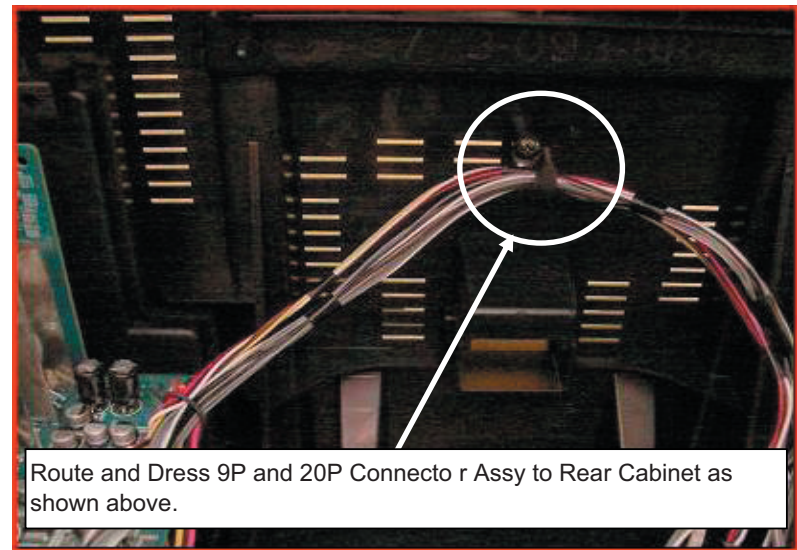
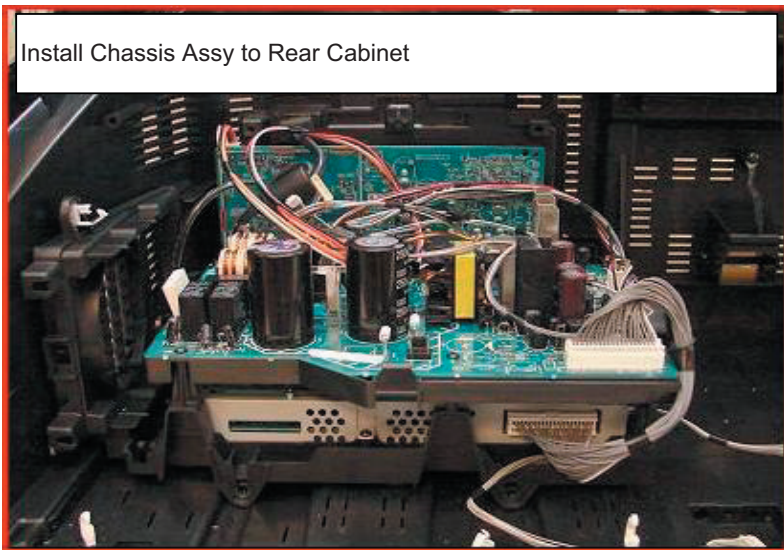
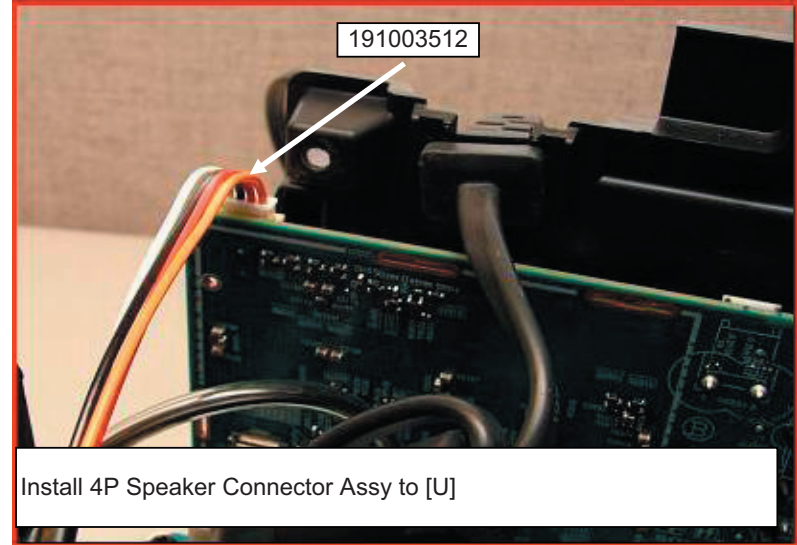
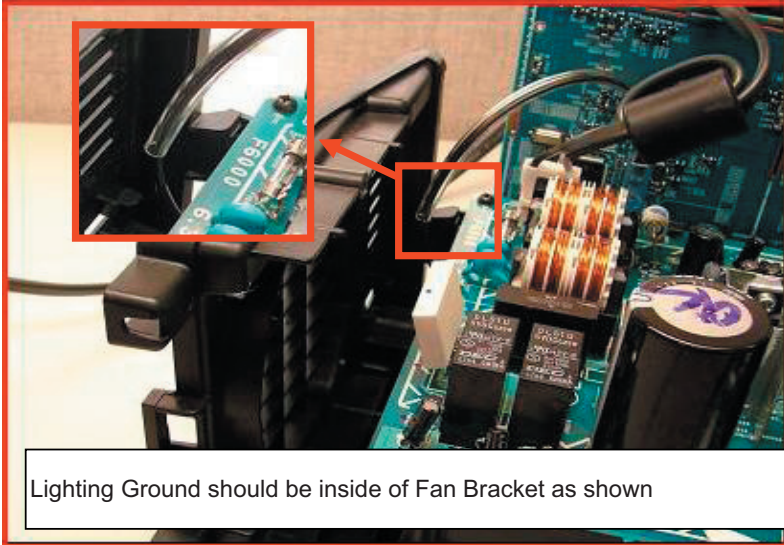
Lighting ground should be behind AC cord. UL Tube should be located on [G] board side of connection as shown below



Before Installing [G] Board it may be necessary to bend tab slightly in order to properly install [G] board.

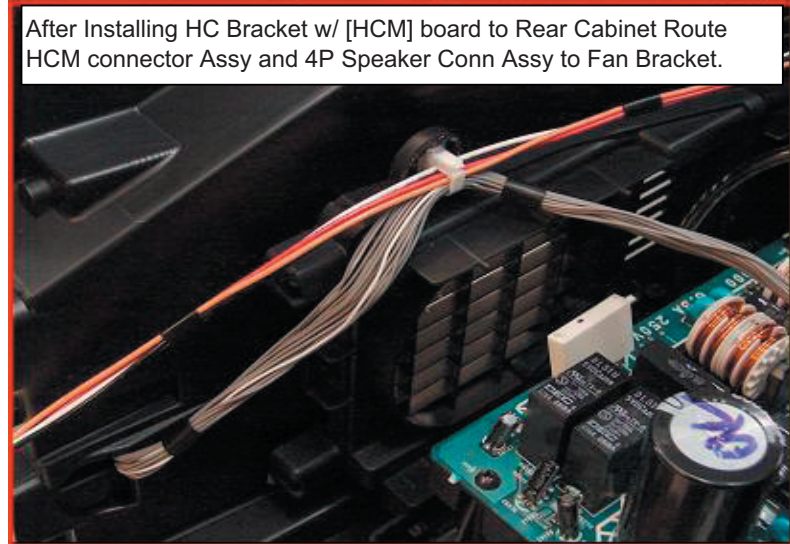
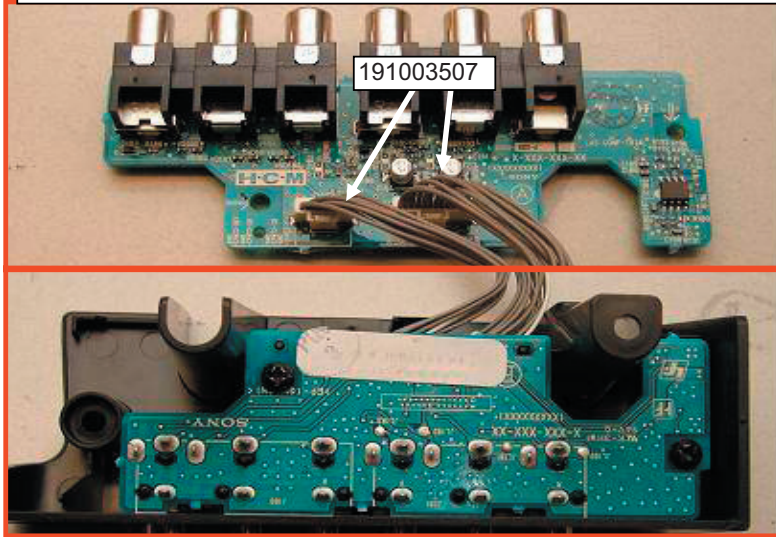


CHASSIS ASSEMBLY (CONTINUED)

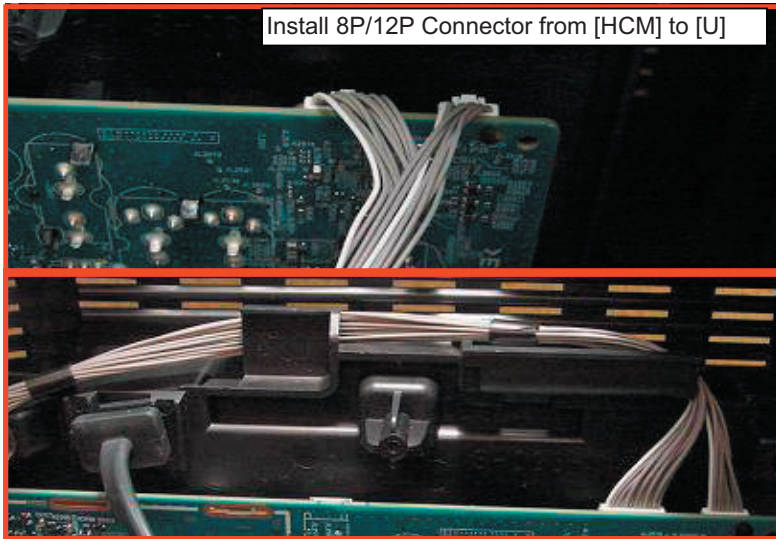


CHASSIS ASSEMBLY (CONTINUED)

HCM connector assy must be installed to [HCM] board before installing board to HC Bracket

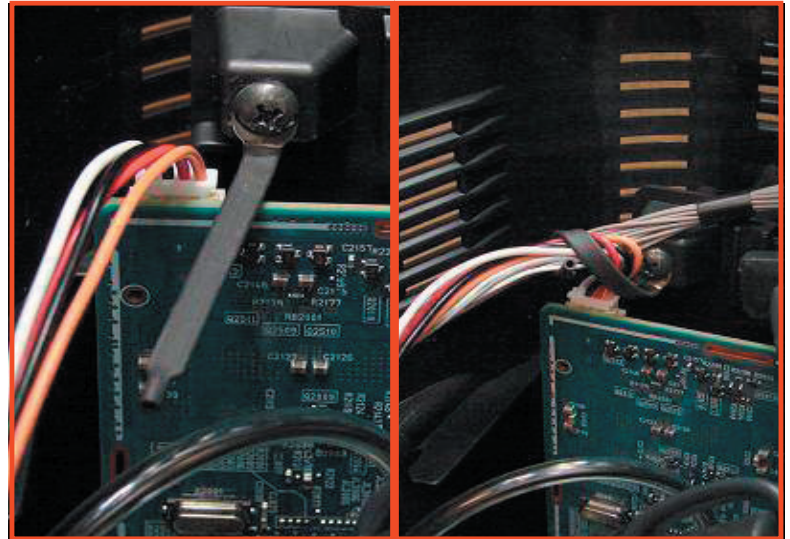


After Installing HC Bracket w/ [HCM] board to Rear Cabinet Route HCM connector Assy and 4P Speaker Conn Assy to Fan Bracket.



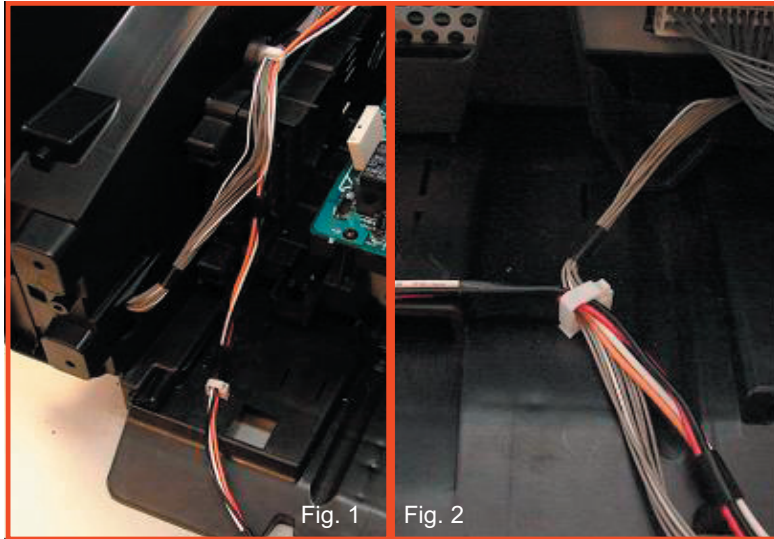
Install 8P/12P Connector from [HCM] to [U]

After Installing Route above terminal bracket as shown above.



Wire Dress 4P Speaker Connector and 12P/8P HC connector assy to wire holder. Bend wire Holder as necessary to take up "slack" in cables.

SPEAKER WIRE ASSEMBLY

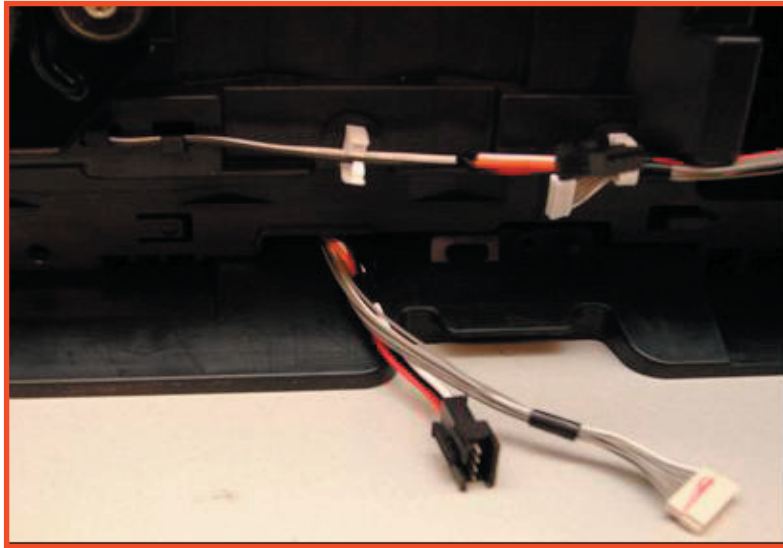


Route 4P Speaker to Wire Holder as shown in Fig 1.

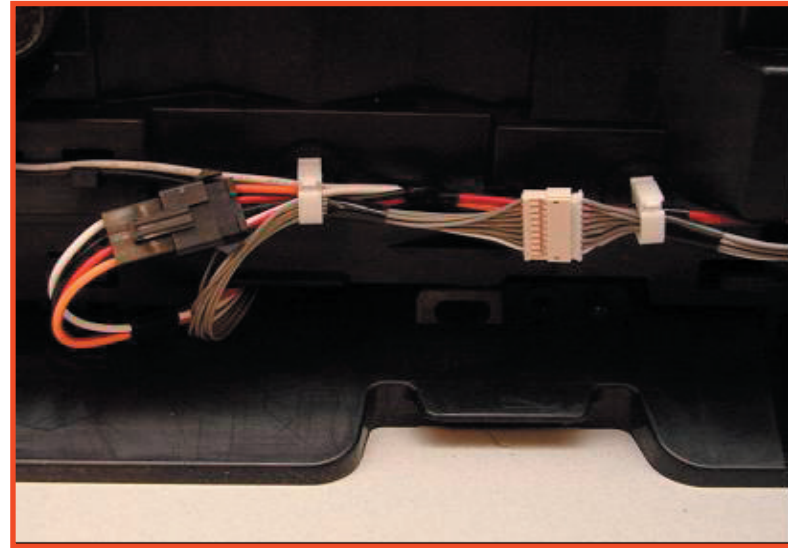
Then Route 4P Speaker and 9P [HB] connectors to wire holder shown in fig.2

SPEAKER WIRE ASSEMBLY AND HB BOARD

When Installing Seperator Block Assy ensure that the Speaker and [HB] Connectors are not pinched and routed as below.

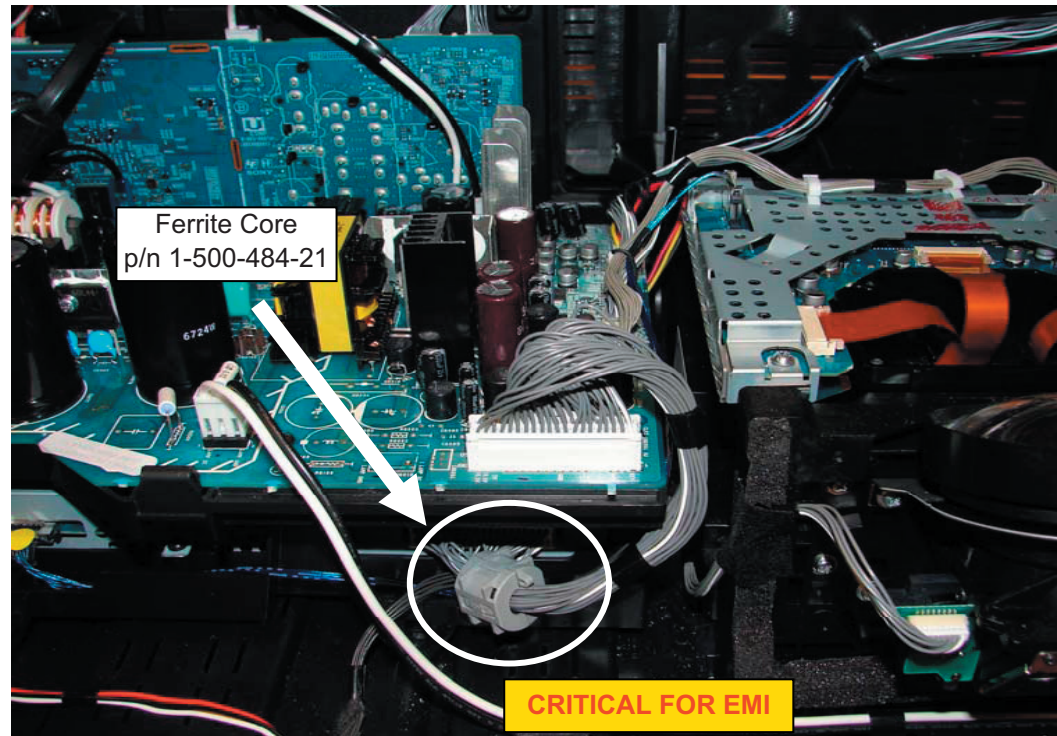


After connecting 9P[HB] and 4P Speaker Connector wire dress to Holder Wire as shown below

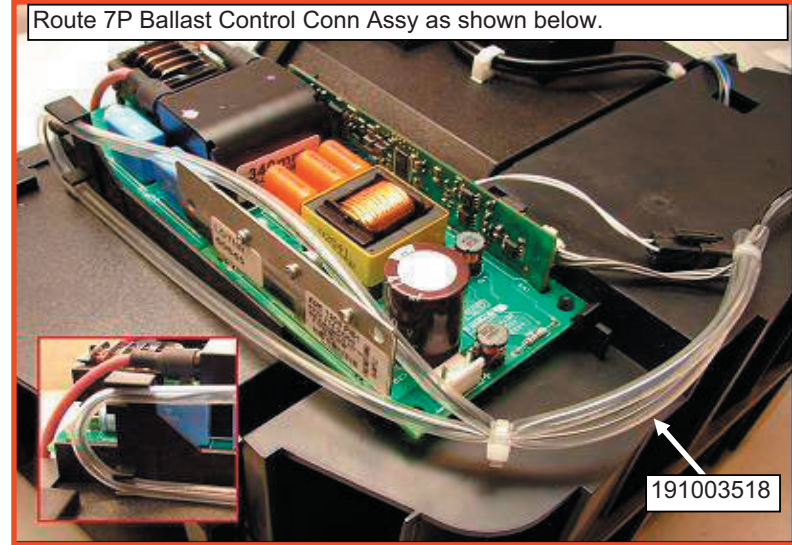
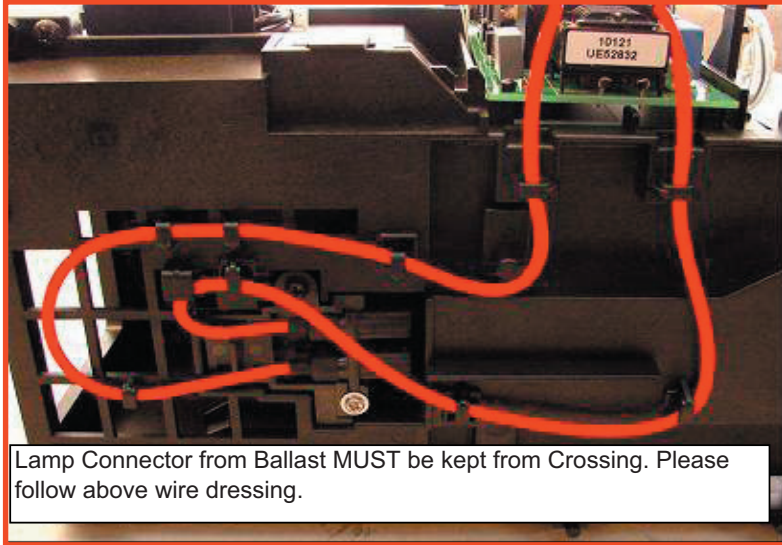


FERRITE CORE INSTALLATION

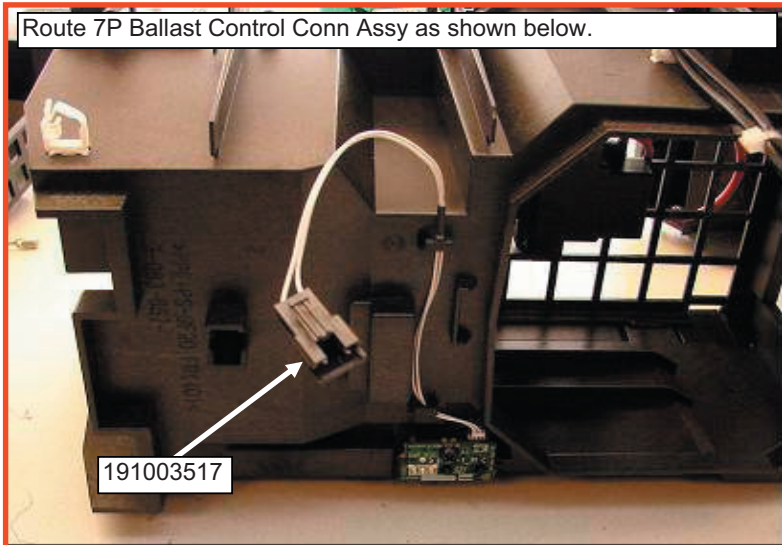
Install Ferrite Core ZCAT2017-0930 Sony P/N 1-500-484-21 to the following connector assys as shown below



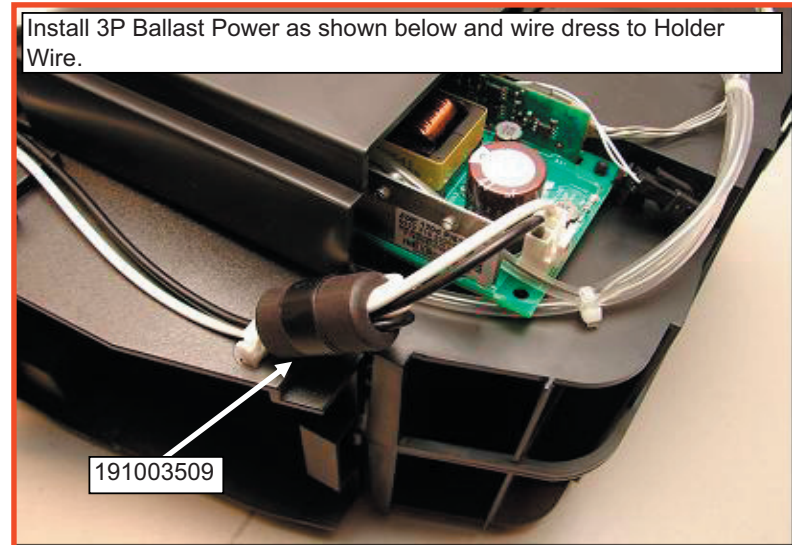
POWER SUPPLY BLOCK (BALLAST)



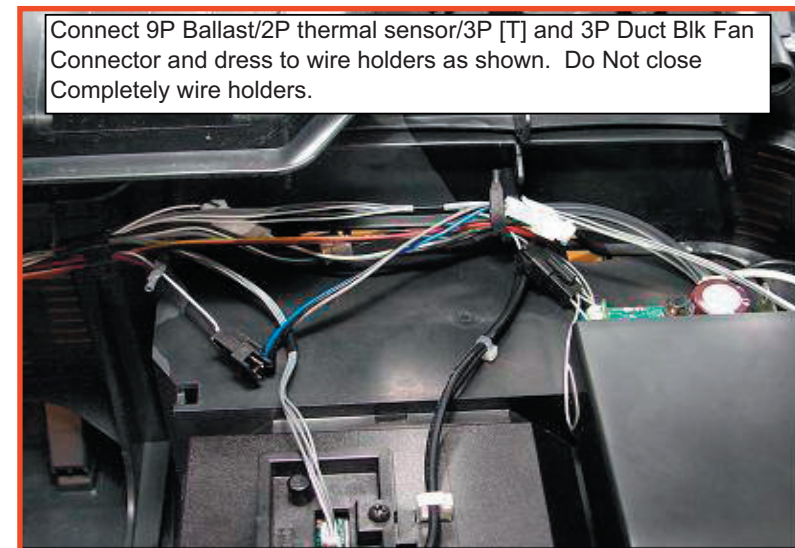
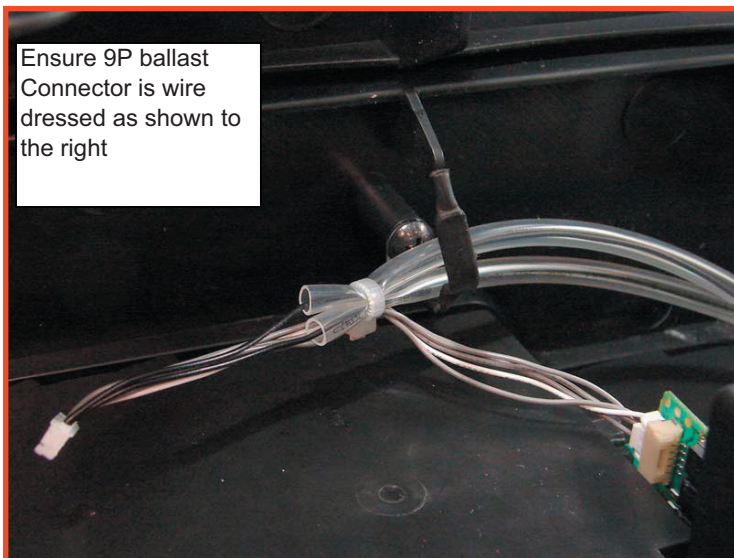
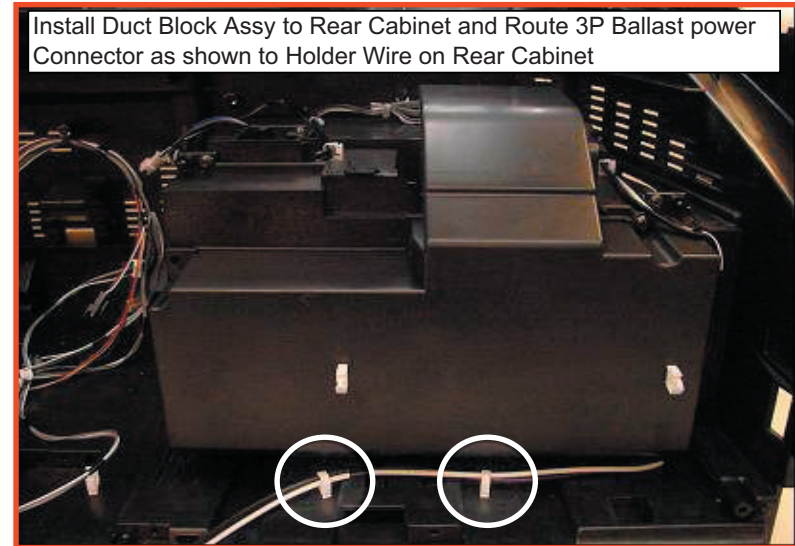
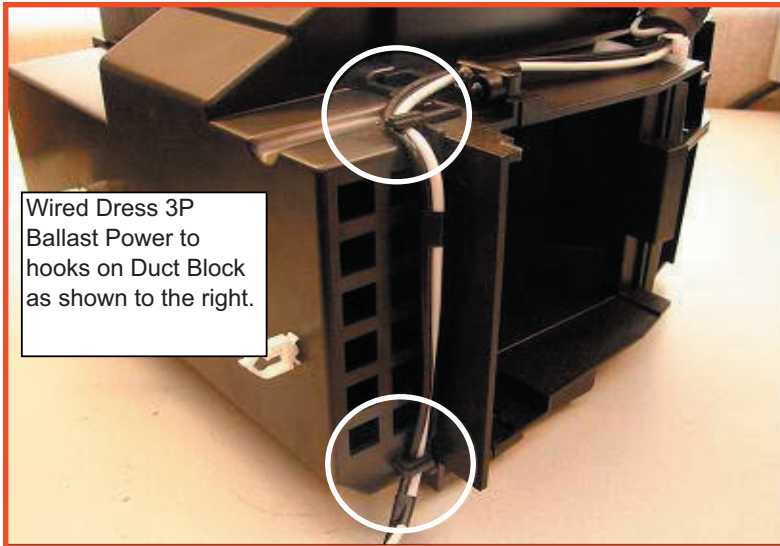
T BOARD




S BOARD

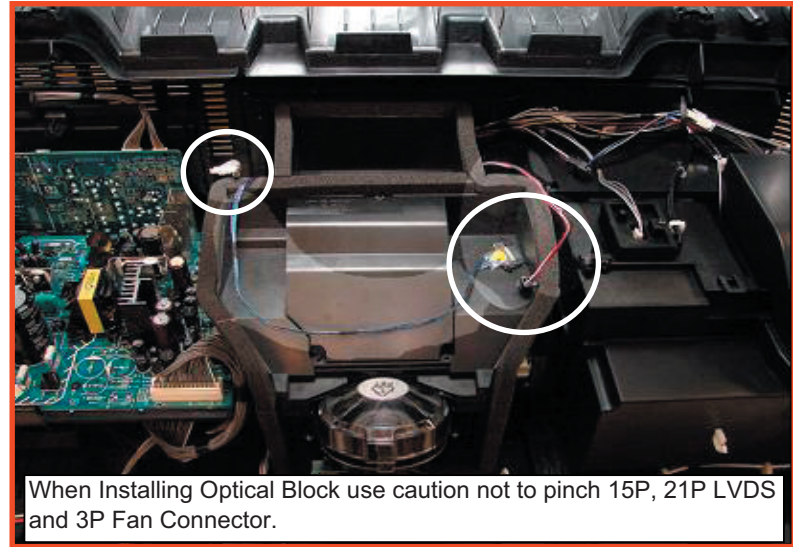
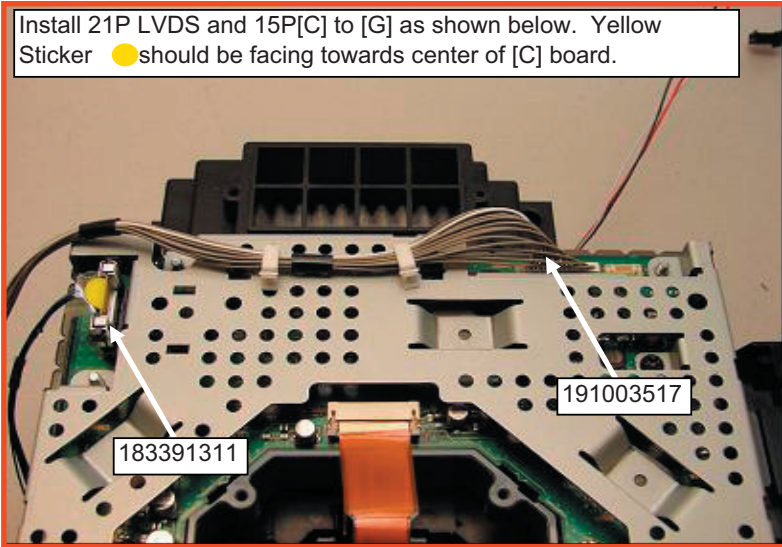


DUCT BLOCK ASSEMBLY



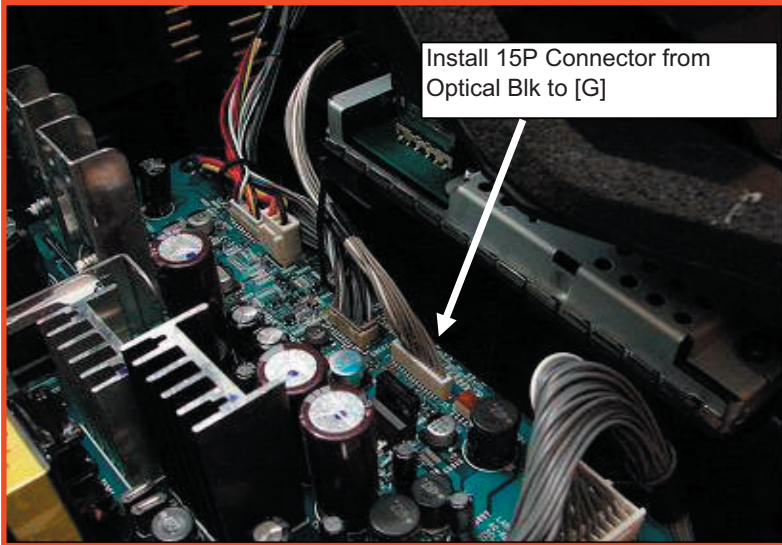
OPTICAL UNIT BLOCK ASSEMBLY

Install 21P LVDS and 15P[C] to [G] as shown below. Yellow Sticker  should be facing towards center of [C] board.

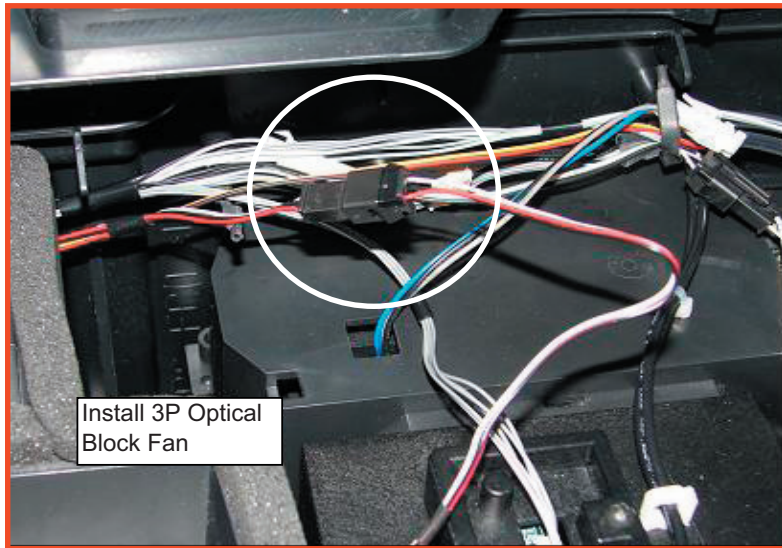
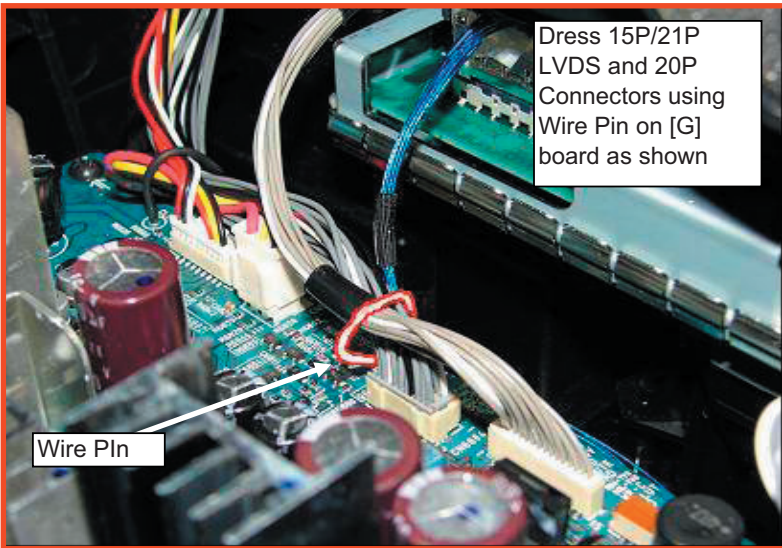
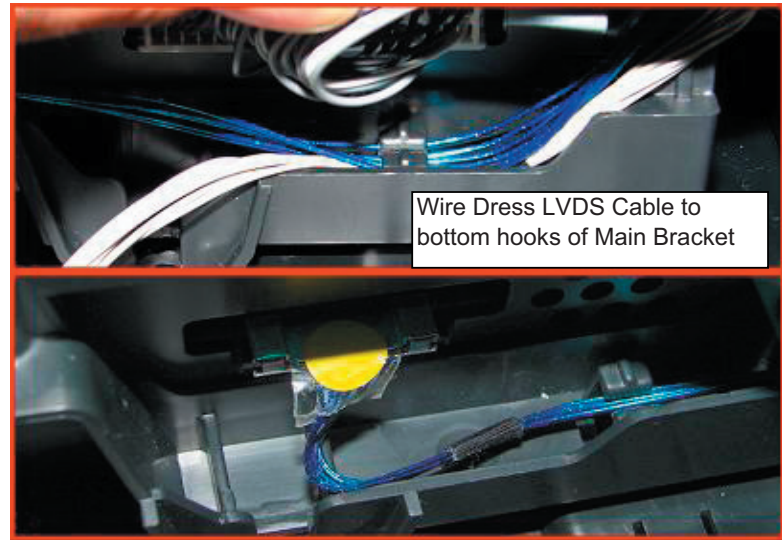
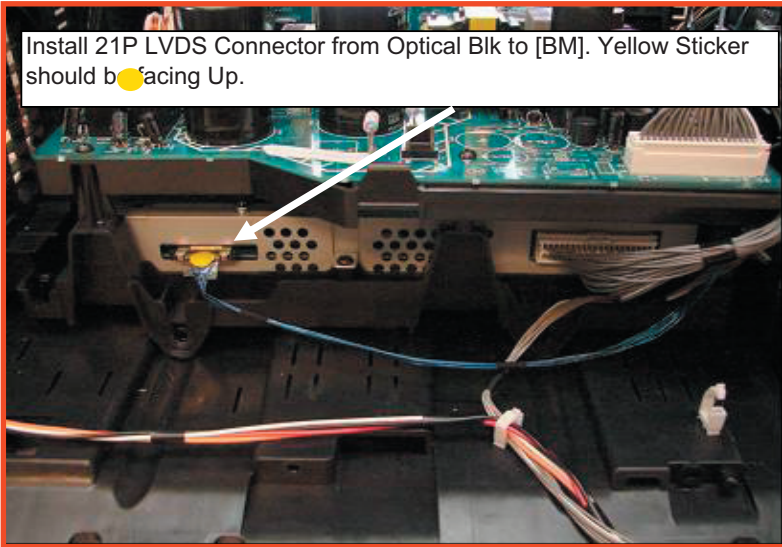


When Installing Optical Block use caution not to pinch 15P, 21P LVDS and 3P Fan Connector.

Install 15P Connector from Optical Blk to [G]

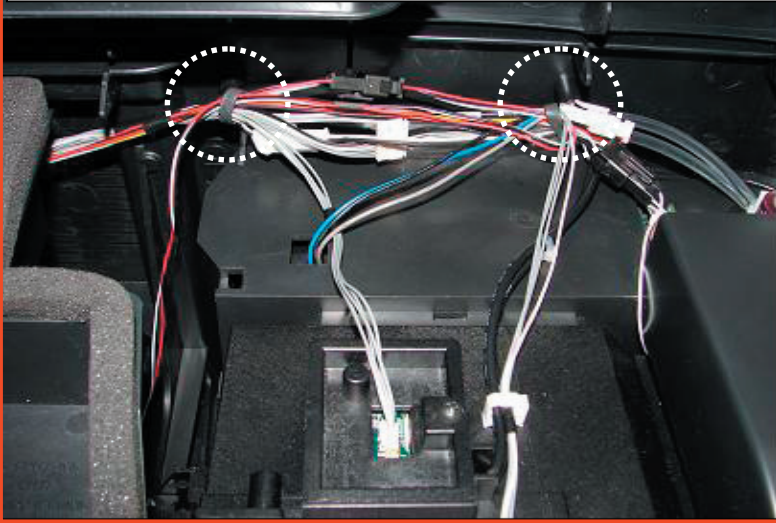


OPTICAL UNIT BLOCK ASSEMBLY (CONTINUED)

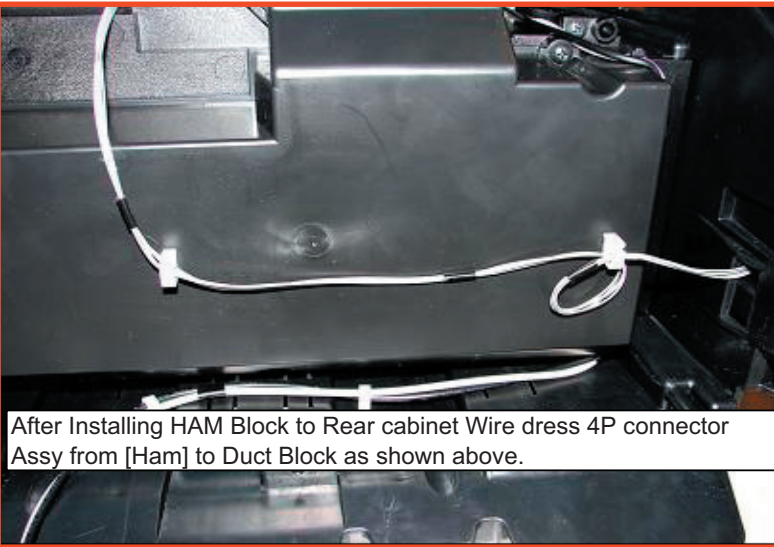
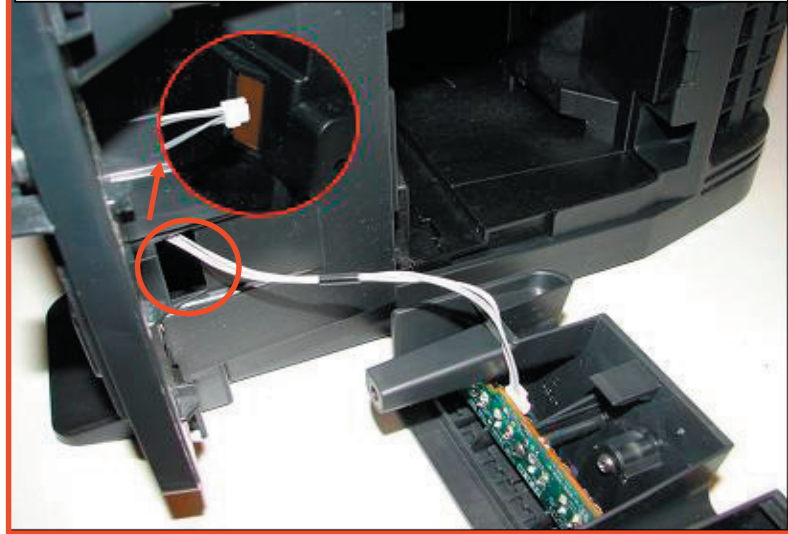


OPTICAL UNIT BLOCK ASSEMBLY (CONTINUED)

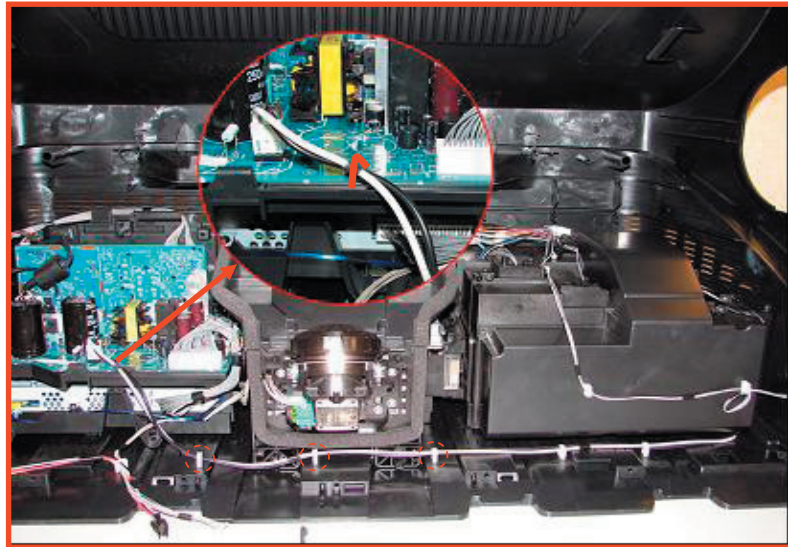
Dress Optical Block Fan Connector to Wire Holders and finally close BOTH Wire Holders



Insert 4P [HAM] Connector assy thru opening in Rear Cabinet and install to HAM



After Installing HAM Block to Rear cabinet Wire dress 4P connector Assy from [Ham] to Duct Block as shown above.



Install 3P connector from Ballast to [G] block and dress to Holder wires on bottom of Rear Cabinet and dress to Wire Pin on [G]

SECTION 2: CIRCUIT ADJUSTMENTS

2-1. USING THE REMOTE COMMANDER FOR ELECTRICAL ADJUSTMENTS

To adjust various set features, use the Remote Commander to put the set into service mode to display the service menus and categories.

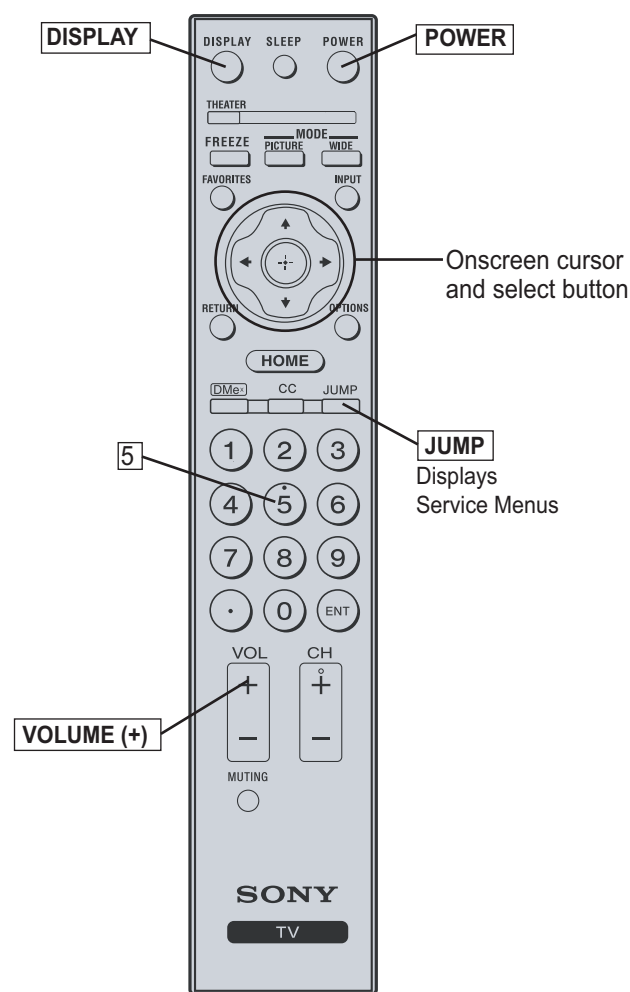
Equipment Needed:

- ✓ Pattern Generator (with component outputs)
- ✓ Oscilloscope
- ✓ Digital multimeter

2-2. ACCESSING SERVICE ADJUSTMENT MODE

1. TV must be in standby mode. (Power off).
2. Press the following buttons on the Remote Commander within a second of each other:

DISPLAY → Channel **5** → Volume **+** → **POWER**.



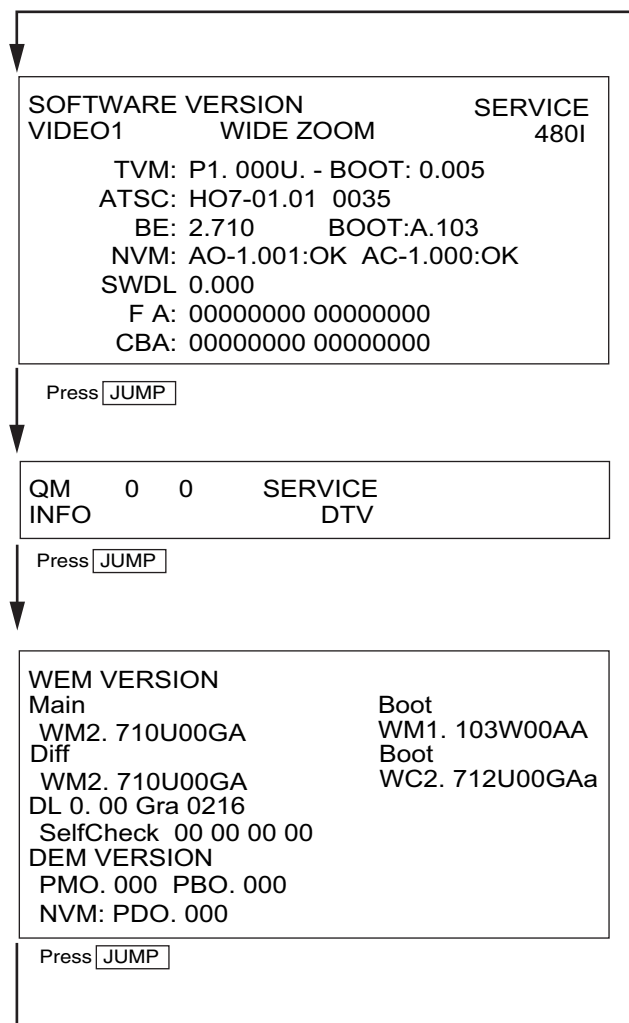
RM-YD014

The first service menu (TV) displays.

2-3. VIEWING THE SERVICE MENUS

Use the Remote Commander to view the BE and Digital service menus options.

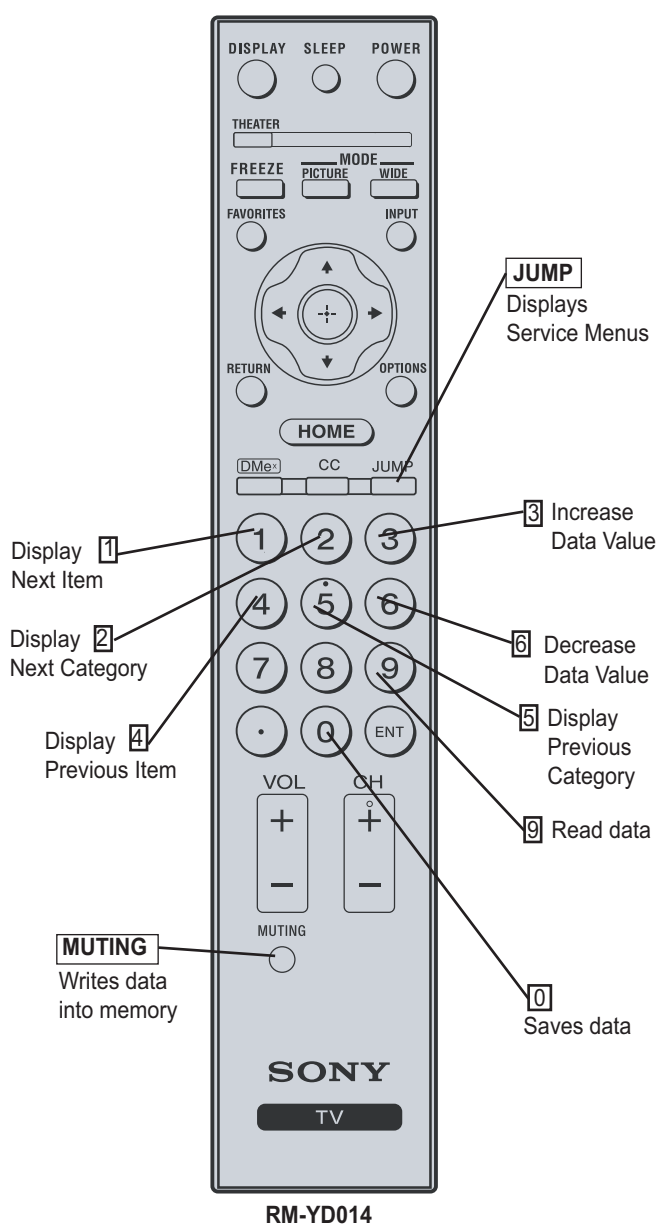
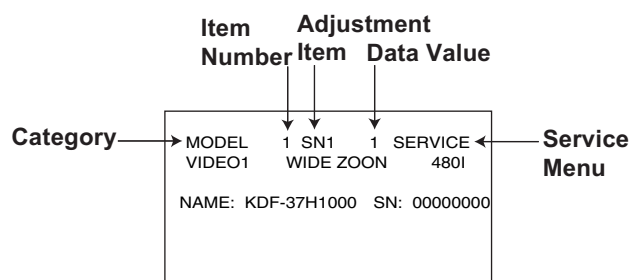
1. To display the **Service Menu** that contains the Category you want to adjust, press **JUMP** on the Remote Commander. (For a complete list of the service Categories refer to Service Menus)



Sample Service Menu

2-4. USING THE REMOTE COMMANDER TO VIEW SERVICE DATA

Use the buttons on the Remote Commander to access the service menu items and adjust the data values.



1. Access Service Adjustment Mode and select the Service Menu that contains the Category with the Adjustment Item you want to change.
2. To change the **Category**, press **2** or **5** on the Remote Commander.
Note: Pressing **2** or **5** only changes the categories within the Service Menu displayed. To change a Category on one of the other Service Menus, press the **JUMP** button until the correct Service Menu is displayed.
3. To change the **Adjustment Item**, press **1** or **4** on the Remote Commander.

2-4-1. CHANGING SERVICE DATA

The service data values have been selected to provide the best possible viewing performance. Although some of the data values are adjustable, the adjustments are very sensitive and changing them may reduce the picture quality of the set. The following instructions are provided for informational purposes only.

4. To change the **Data Value**, press **3** or **6** on the Remote Commander.
5. To save the changes, press **MUTING** then **0** to write into memory.

2-4-2. EXITING SERVICE MODE

After completing the changes, exit service mode.

6. To exit service mode, turn the power off by pressing **POWER**. Wait 2 minutes before restarting the set to allow the fans to completely shut down or the Service Menu will appear on the screen.

2-5. UPDATING THE MODEL INFORMATION WHEN REPLACING THE BM BOARD

Use following instructions to update the model specific information after replacing the BM Board.

1. TV must be in standby mode. (Power off).
2. Press the following buttons on the Remote Commander within a second of each other:
DISPLAY → **Channel 5** → **Volume +** → **POWER**.
3. Press **2** on the Remote Commander until the **MODEL** category displays.
4. The first adjustment item to display is **SZID**. The initial data value of the **SZID** adjustment item is set to **0** and displays the Model name as **KDF-37H1000**. To change the Model name to the correct mode, press **3** on the Remote Commander until the correct Model name displays.
5. Press **1** on the Remote Commander until the **SN8** adjustment item displays.
NOTE: The **SN1** adjustment item displays first, however, **SN8** allows you to change the first digit of the serial number.
6. The initial data value of the **SN8** adjustment is set to **0** and displays the serial number as **00000000**. To change the first digit of the serial number to the correct number, press **3** on the Remote Commander until the correct first digit displays.
7. Press **4** on the Remote Commander until the **SN7** adjustment item displays.

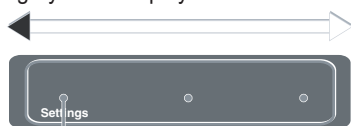
8. Change the data value of the serial number to the correct serial number, by pressing **[5]** on the Remote Commander until **SN7** adjustment displays. (SN7 is the second digit of the serial number range.)
9. Repeat steps 7 and 8 for **SN6** through **SN1** until the correct serial number displays.
10. To save the changes, press **[MUTING]** then **[0]** to write into memory.
After completing the changes, exit service mode.
11. To exit service mode, turn the power off by pressing **[POWER]**.

2-5-1. VERIFYING MODEL INFORMATION

Verify the changes to the model information by viewing the information in the **Product Support** category of the user **Settings** menu options.

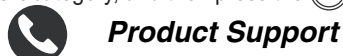
1. Turn the TV on by pressing **[POWER]** on the Remote Commander.
2. Press **[HOME]** on the Remote Commander to display the User Menu items.

The Media Category icons display.



Available TV settings and features are listed under the **Settings** icon.

3. Press the **◀/▶** buttons on the Remote Commander to select the **Settings** option, and then press the **[+]** button.
4. Press the **▲/▼** button on the Remote Commander to select the **Product Support** category, and then press the **[+]** button.



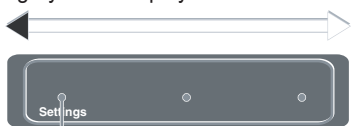
Product Support

5. Press the **◀/▶** buttons on the Remote Commander to select the **Contact Sony** option, and then press the **[+]** button.
6. Verify the changes you made in Service Mode are correct.

2-6. ADJUSTING THE HORIZONTAL AND VERTICAL SETTINGS

1. Turn the TV on by pressing **[POWER]** on the Remote Commander.
2. Press **[HOME]** on the Remote Commander to display the User Menu items.

The Media Category icons display.



Available TV settings and features are listed under the **Settings** icon.

3. Press the **◀/▶** buttons on the Remote Commander to select the **Settings** option, and then press the **[+]** button.
4. Press the **▲/▼** button on the Remote Commander to select the **Screen Settings** category, and then press the **[+]** button.



Screen Settings

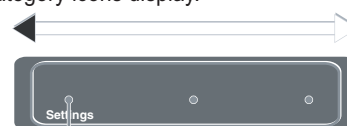
5. Press the **▲/▼** button on the Remote Commander to select the **Screen Position** category, and then press the **[+]** button.
6. Press the **▲/▼** button on the Remote Commander to select the **Vertical** or **Horizontal** position, and then press the **◀/▶** buttons to increase or decrease the position.

2-7. RESETTING THE LAMP

Use the following to reset the lamp after replacement.

1. Turn the TV on by pressing **[POWER]** on the Remote Commander.
2. Press **[HOME]** on the Remote Commander to display the User Menu items.

The Media Category icons display.



Available TV settings and features are listed under the **Settings** icon.

3. Press the **◀/▶** buttons on the Remote Commander to select the **Settings** option, and then press the **[+]** button.
4. Press the **▲/▼** button on the Remote Commander to select the **General Settings** category, and then press the **[+]** button.



General Settings

5. Press the **▲/▼** button on the Remote Commander to select the **Lamp Replacement** category, and then press the **[+]** button.
6. To select **Yes**, press the **◀** button and then press the **[+]** button.

2-8. VERIFYING SERVICE DATA CHANGES

1. After completing all adjustments turn the set off with the Remote Commander and **WAIT** for the fans to turn off before proceeding to the next step.

Note: It may take up to two minutes for the fans to stop.

Caution: To avoid over heating the lamp, do not unplug the set until the fans have stopped.

2. Press the following buttons on the Remote Commander within a second of each other:


[DISPLAY] → **Channel [5]** → **Volume [+]** → **[POWER]**.

3. To verify the changes repeat steps 1 through 3 of 2-4. Using the Remote Commander to View Service Data.
4. To exit service mode, turn the power off by pressing **[POWER]**.

NOTE: After exiting service mode wait 2 minutes before restarting the set to allow the fans to shut down properly.

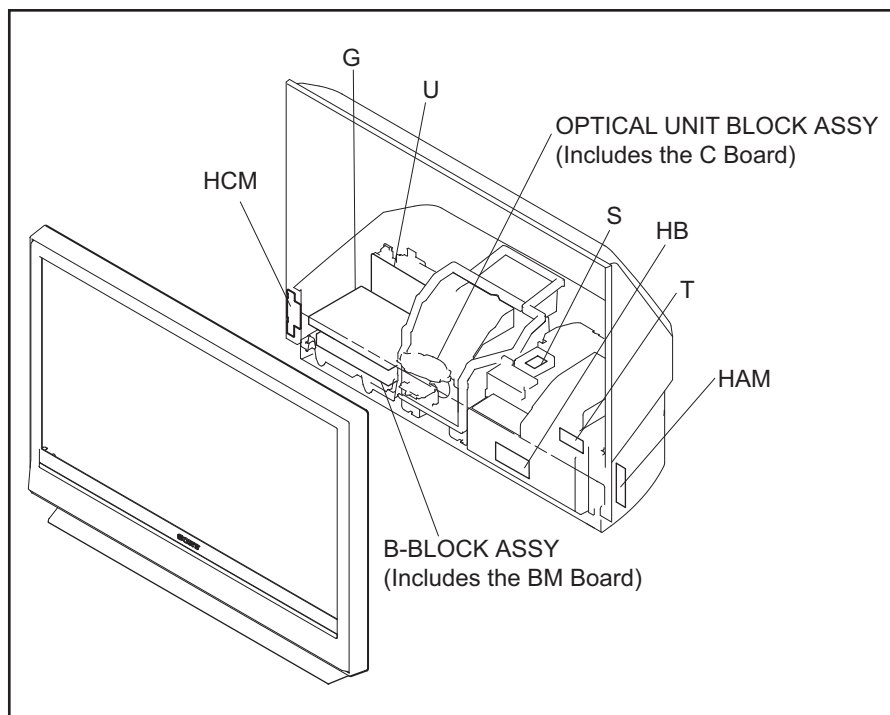
2-9. RESETTING TO FACTORY DEFAULTS

Use the following instructions to restore the User Controls and Channel Memory settings to the preset factory conditions.

1. While holding down the  on the Remote Commander, press the POWER button on the Front Panel of the set.
The set restarts and displays the initial setup screen. This may take several minutes.

SECTION 3: DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



3-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.

All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms. $\text{k}\Omega=1000\Omega$, $\text{M}\Omega=1000\text{k}\Omega$

Indication of resistance, which does not have one for rating electrical power, is as follows: Pitch : 5mm


Rating electrical power : $\frac{1}{4}$ W

$\frac{1}{4}$ W in resistance, $\frac{1}{10}$ W and $\frac{1}{16}$ W in chip resistance.

 : nonflammable resistor

 : fusible resistor

 : internal component

 : panel designation and adjustment for repair

 : earth ground

 : earth-chassis

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a color-bar signal input.

Readings are taken with a 10M Ω digital multimeter.

Voltages are DC with respect to ground unless otherwise noted.

Voltage variations may be noted due to normal production tolerances.

All voltages are in V.


S : Measurement impossibility.


 : B+line.


 : B-line. (Actual measured value may be different).


 : signal path. (RF)


Circled numbers are waveform references.

The components identified by shading and  symbol are critical for safety. Replace only with part number specified.

The symbol  indicates a fast operating fuse and is displayed on the component side of the board. Replace only with fuse of the same rating as marked.

Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Le symbole  indique une fusible à action rapide. Doit être remplacé par une fusible de même valeur, comme marqué.

NOTE: The components identified by a red outline and a  mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced.

See Appendix A: Encryption Key Components in the back of this manual.

Terminal name of semiconductors in silk screen printed circuit (*)

REFERENCE INFORMATION

RESISTOR

- : RN METAL FILM
- : RC SOLID
- : FPRD NONFLAMMABLE CARBON
- : FUSE NONFLAMMABLE FUSIBLE
- : RW NONFLAMMABLE WIREWOUND
- : RS NONFLAMMABLE METAL OXIDE
- : RB NONFLAMMABLE CEMENT
- : ※ ADJUSTMENT RESISTOR

COIL

- : LF-8L MICRO INDUCTOR

CAPACITOR

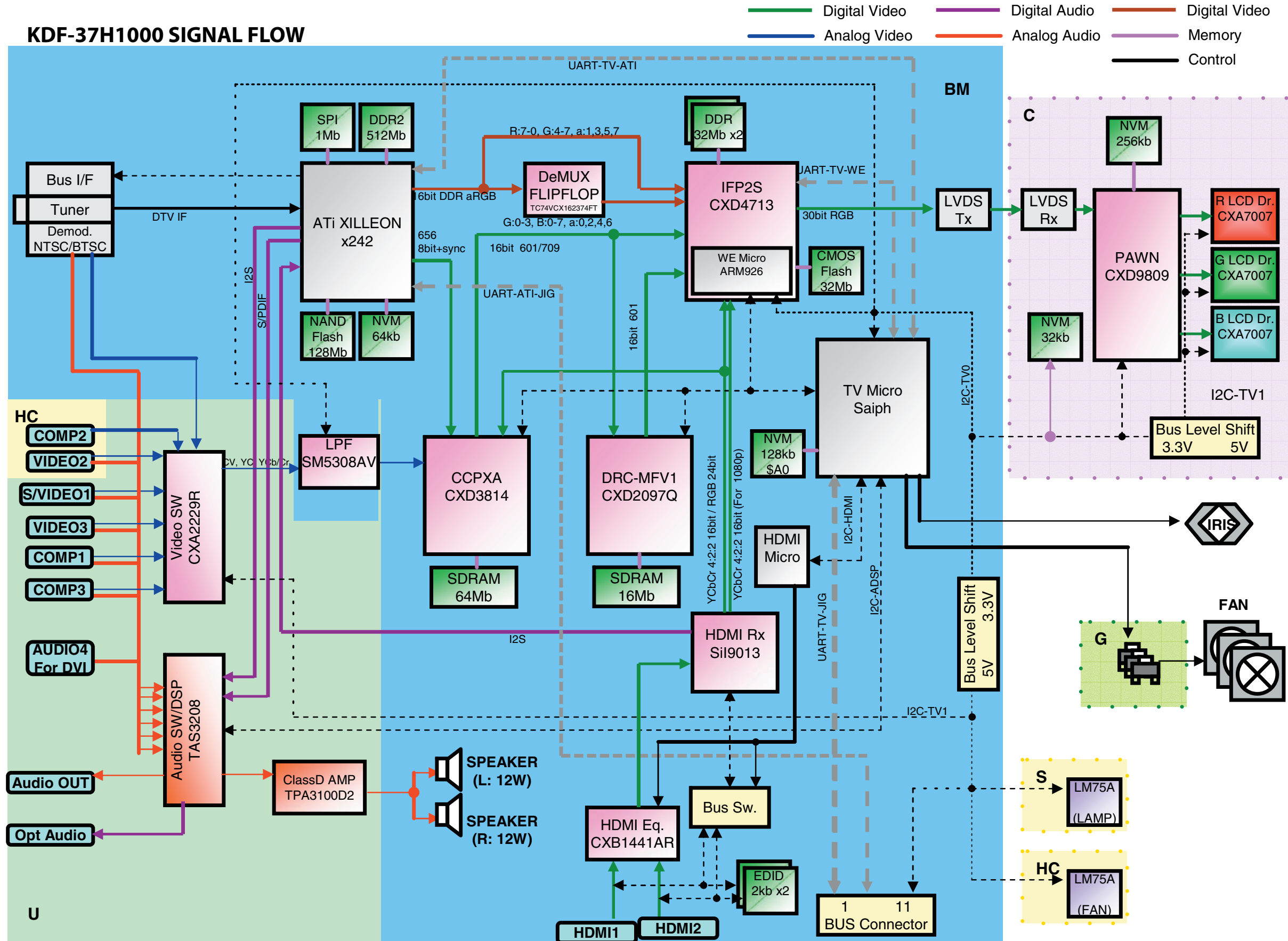
- : TA TANTALUM
- : PS STYROL
- : PP POLYPROPYLENE
- : PT MYLAR
- : MPS METALIZED POLYESTER
- : MPP METALIZED POLYPROPYLENE
- : ALB BIPOLAR
- : ALT HIGH TEMPERATURE
- : ALR HIGH RIPPLE

	Device	Printed symbol	Terminal name	Circuit
①	Transistor		Collector Base Emitter	
②	Transistor		Collector Base Emitter	
③	Diode		Cathode Anode	
④	Diode		Cathode Anode (NC)	
⑤	Diode		Cathode Anode (NC)	
⑥	Diode		Common Anode Cathode	
⑦	Diode		Common Anode Cathode	
⑧	Diode		Common Anode Anode	
⑨	Diode		Common Anode Anode	
⑩	Diode		Common Cathode Cathode	
⑪	Diode		Common Cathode Cathode	
⑫	Diode		Anode Anode Cathode Cathode	
⑬	Transistor (FET)		Drain Source Gate	
⑭	Transistor (FET)		Drain Source Gate	
⑮	Transistor (FET)		Source Drain Gate	
⑯	Transistor		Emitter Collector Base	
⑰	Transistor		C2(B1)E1 E2(B2)C1	
⑱	Transistor		C1(B2)E2 E1(B1)C2	
⑲	Transistor		C1 B2 E2 E1 B1 C2	
⑳	Transistor		C1 B2 E2 E1 B1 C2	
㉑	Transistor		E2 B1 E1 C2 C1(B2)	
㉒	Transistor		(B2) B1 E1 E2 C1 C2	
㉓	Transistor		(B2) E2 E1 B1 C2 C1	
—	Discrete semiconductot			

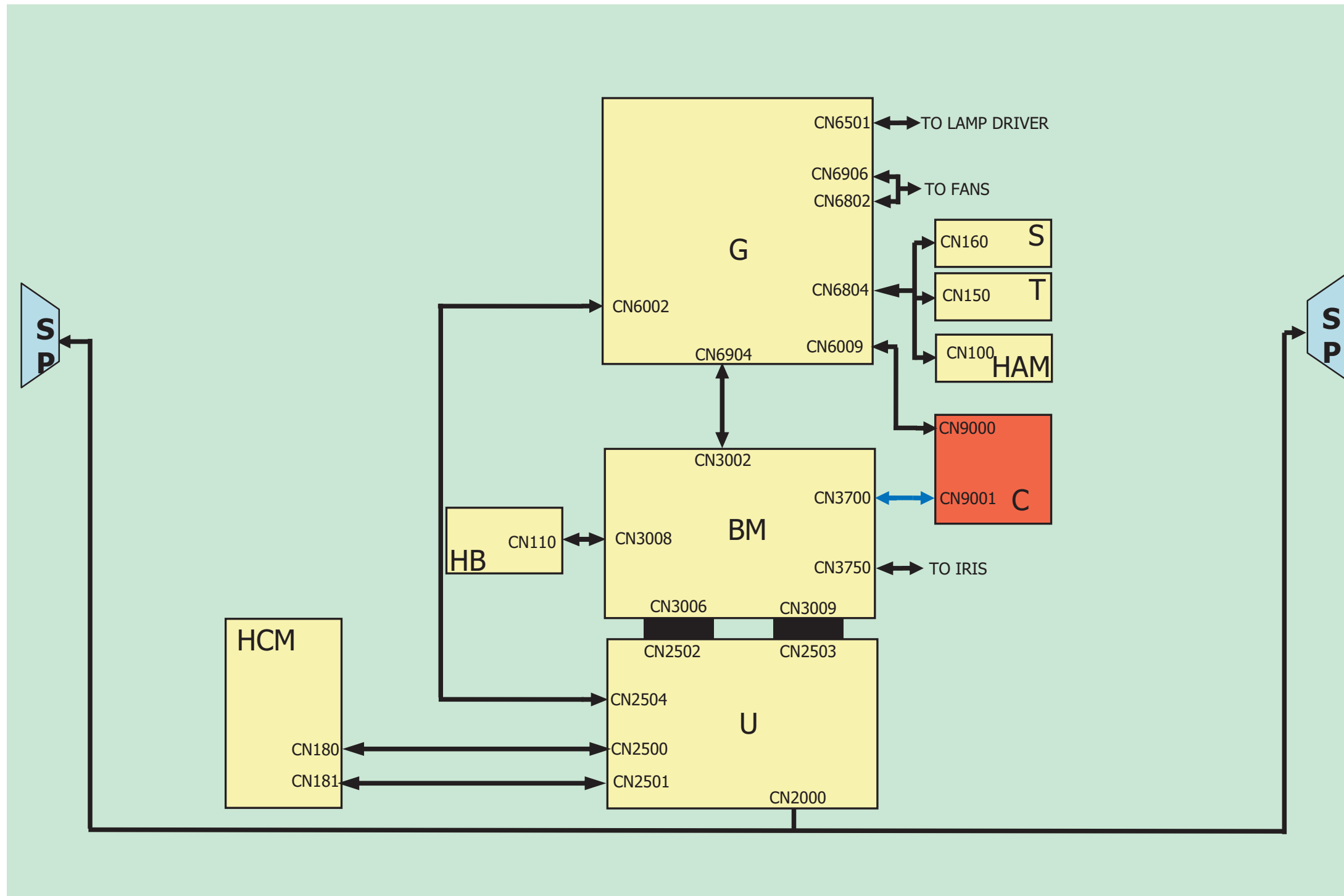
(Chip semiconductors that are not actually used are included.)

Ver.1.5

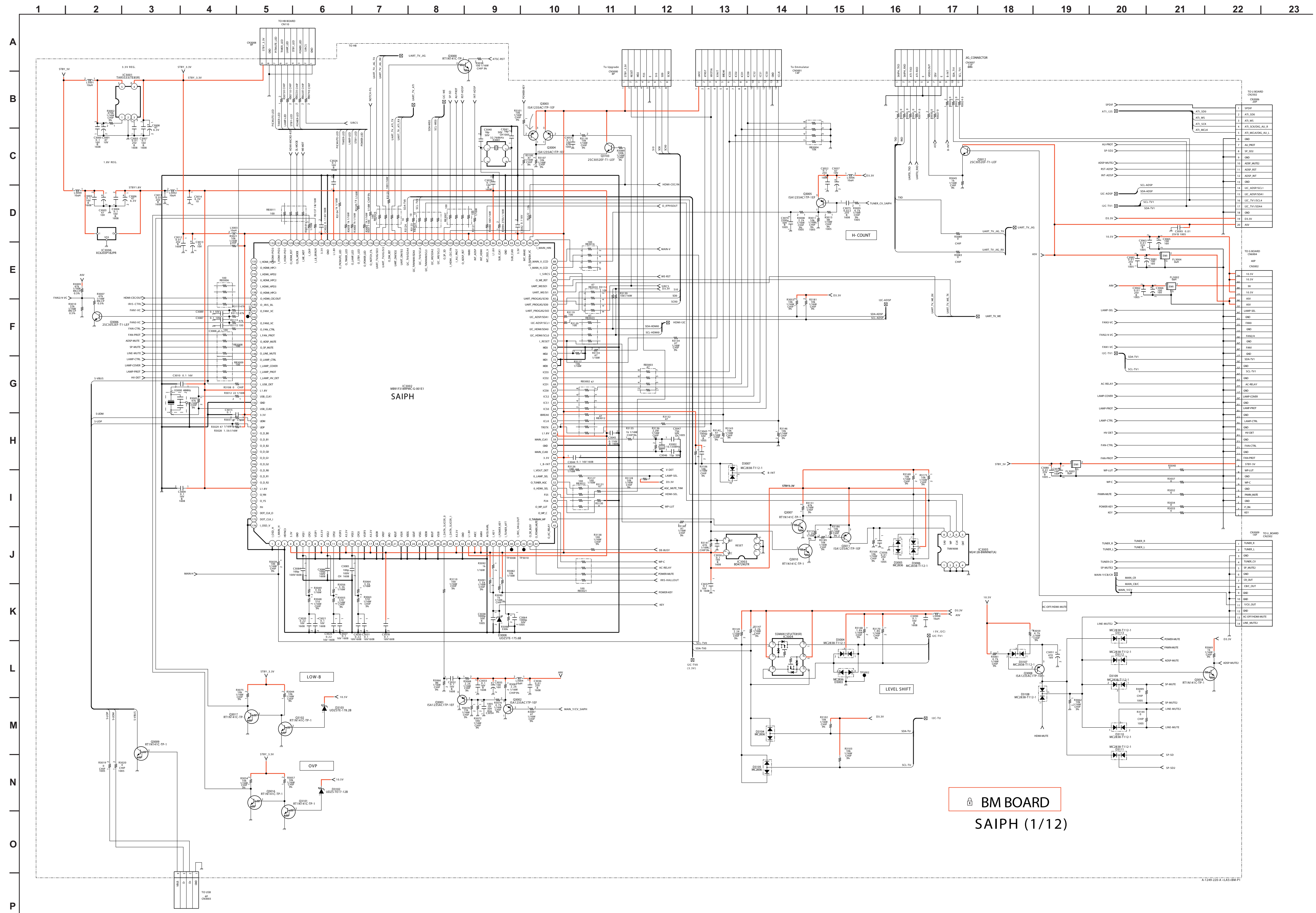
3-3. BLOCK DIAGRAMS
SIGNAL FLOW BLOCK DIAGRAM



CONNECTION DIAGRAM

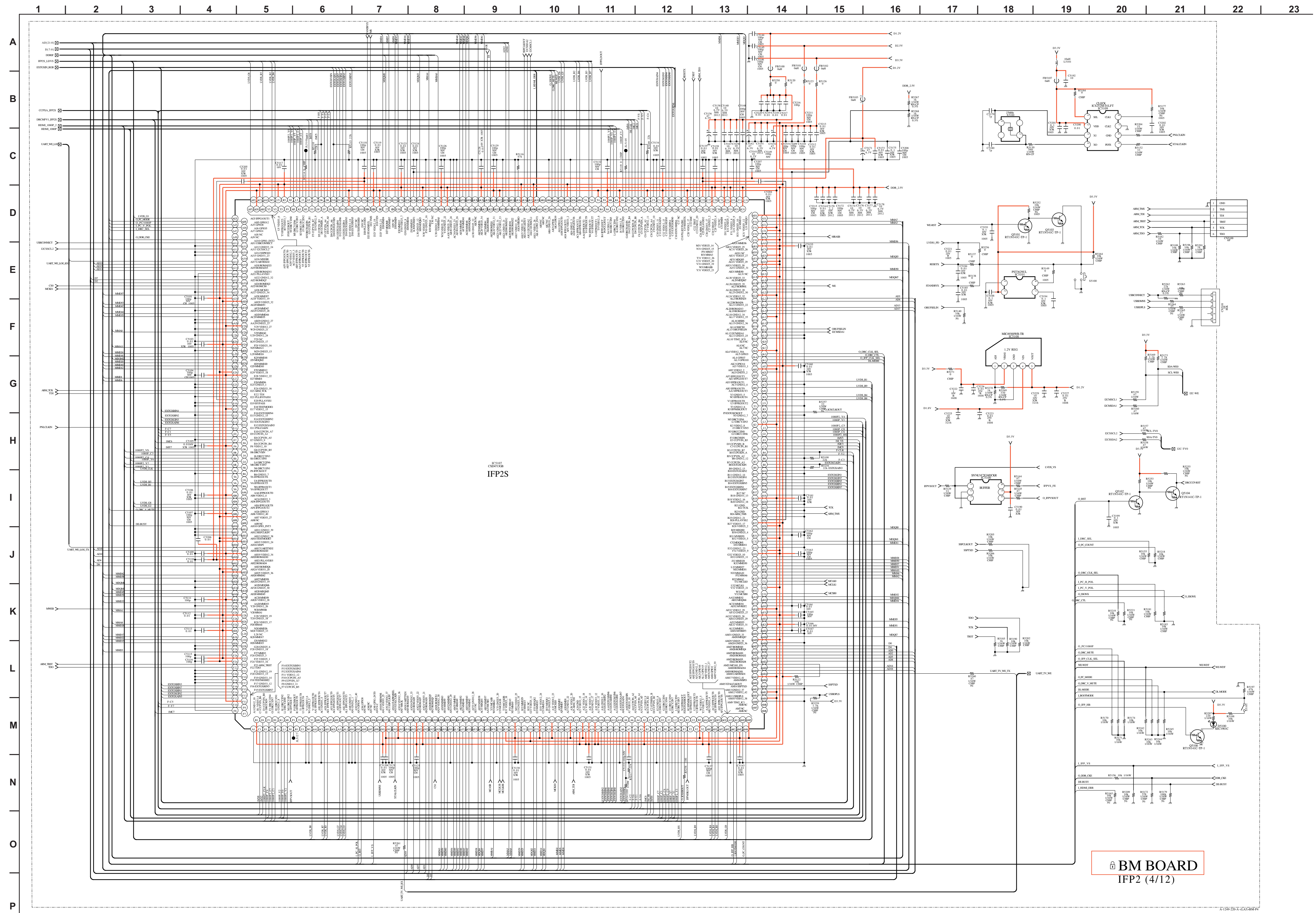


3-4. SCHEMATICS AND SUPPORTING INFORMATION
BM BOARD SCHEMATIC DIAGRAM (1 OF 12)

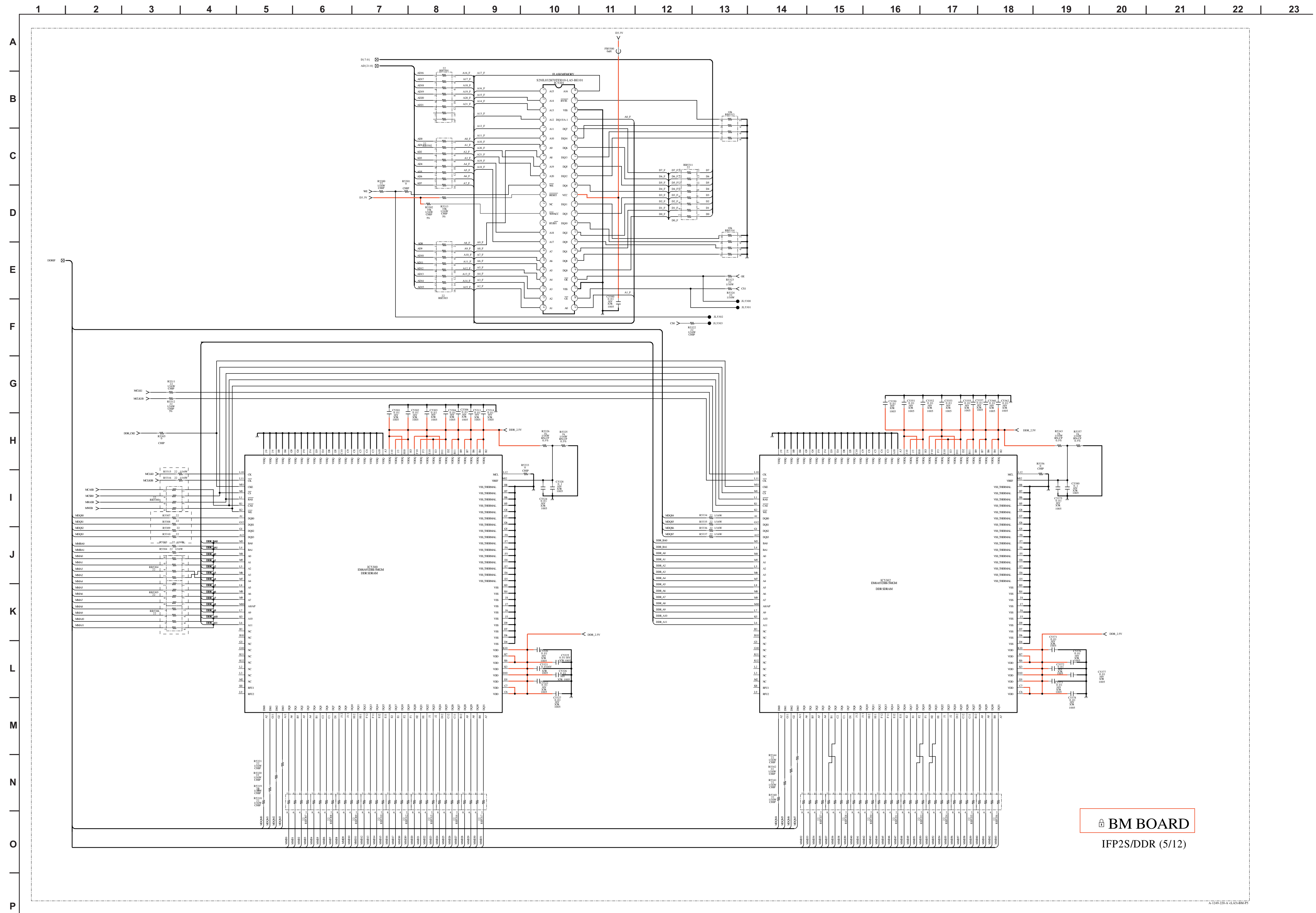


BM BOARD
SAIPH (1/12)

BM BOARD SCHEMATIC DIAGRAM (4 OF 12)

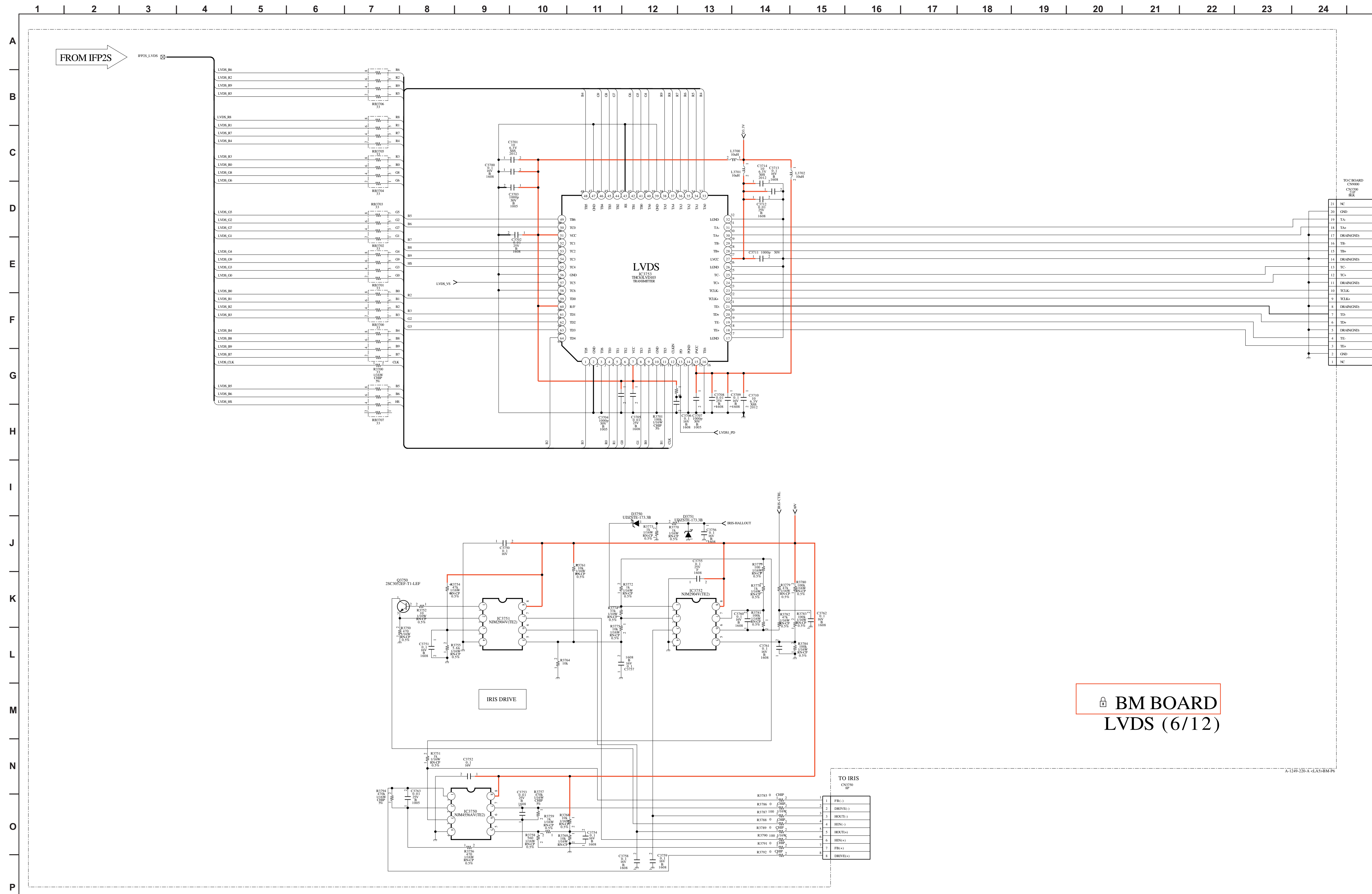


BM BOARD SCHEMATIC DIAGRAM (5 OF 12)



BM BOARD
IFP2S/DDR (5/12)

BM BOARD SCHEMATIC DIAGRAM (6 OF 12)



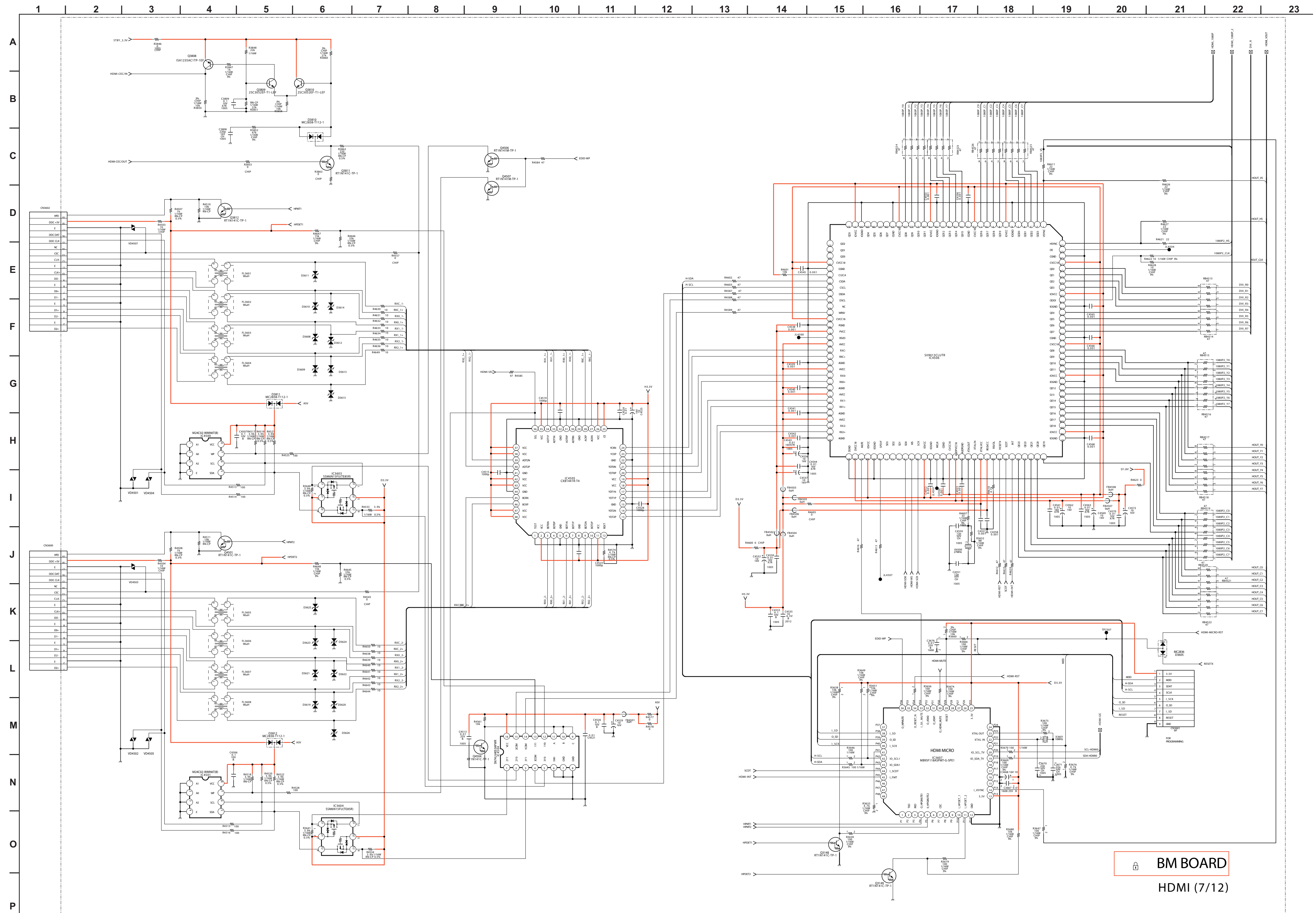
BM BOARD
LVDS (6/12)

TO BOARD CONNECTOR	
21	NC
20	GND
19	TA+
18	TA-
17	DRAIN(GND)
16	TB+
15	TB-
14	DRAIN(GND)
13	TC+
12	TC-
11	DRAIN(GND)
10	TCLK
9	TCLK+
8	DRAIN(GND)
7	TD+
6	TD-
5	DRAIN(GND)
4	TE+
3	TE-
2	GND
1	NC

TO IRIS CONNECTOR	
1	FB(-)
2	DRIVE(-)
3	HOUE(-)
4	HIN(-)
5	HOUE(+)
6	HIN(+)
7	FB(+)
8	DRIVE(+)

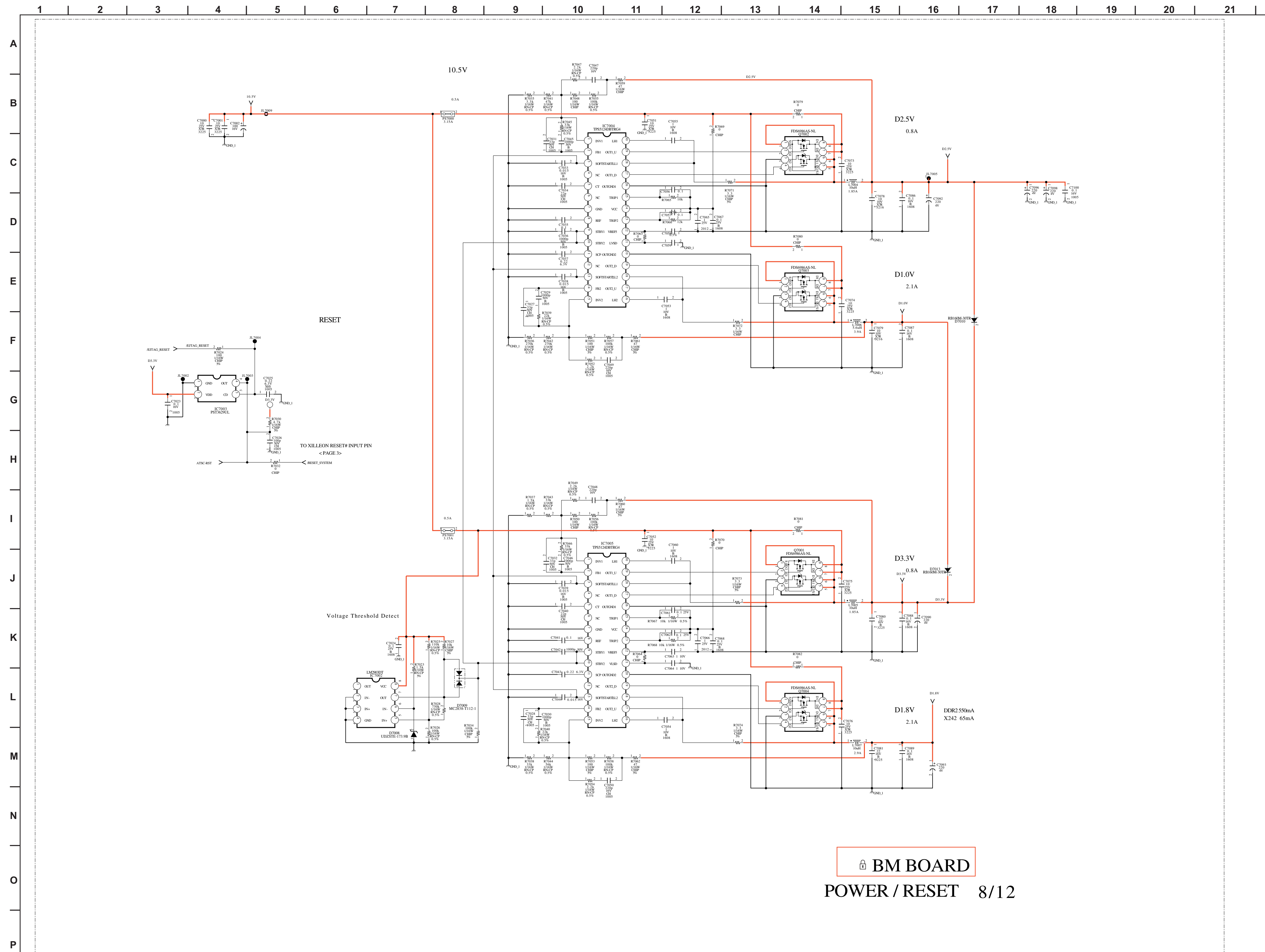
A-1249-220-A-CLASS-BM P6

BM BOARD SCHEMATIC DIAGRAM (7 OF 12)



BM BOARD
HDMI (7/12)

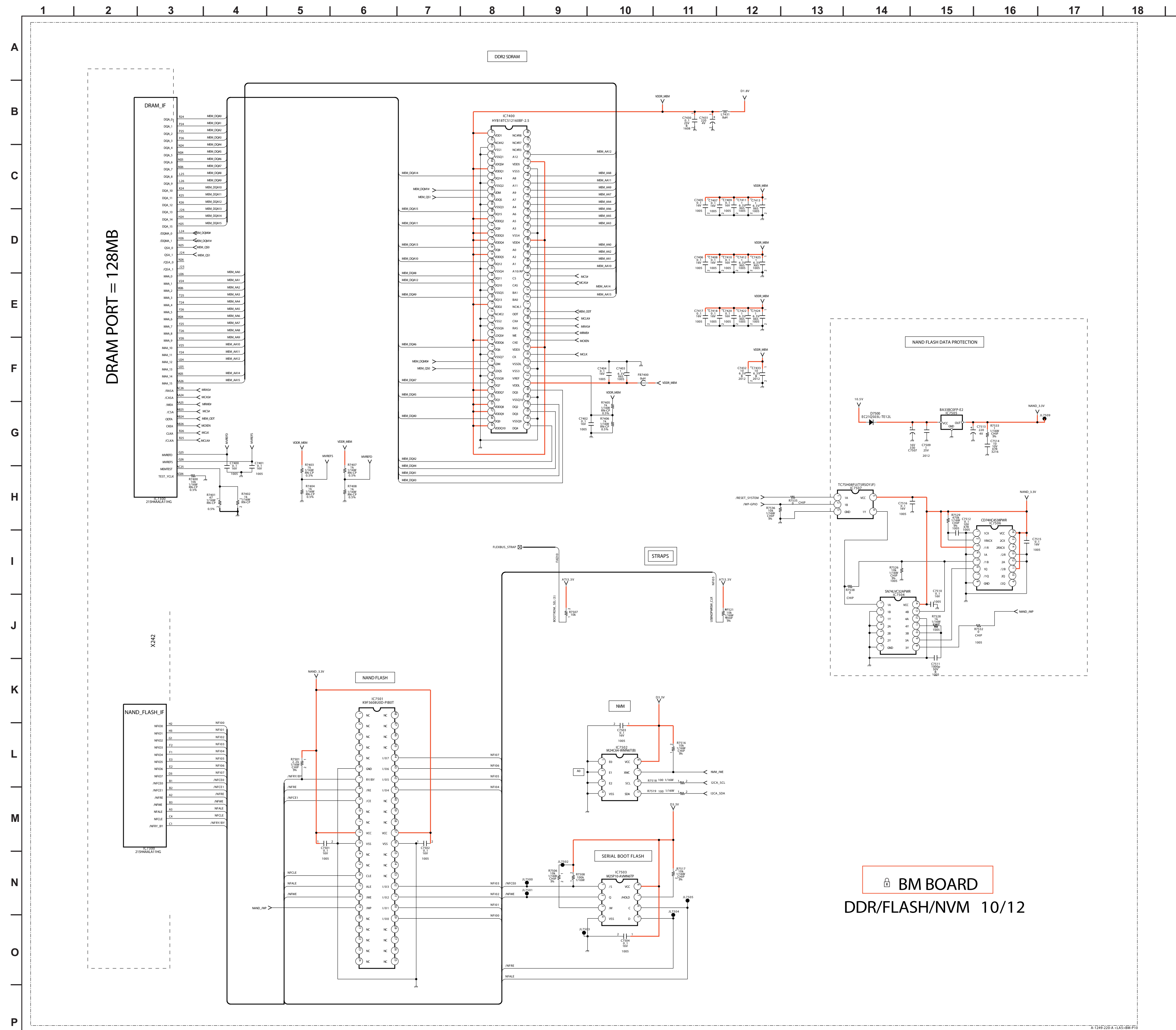
BM BOARD SCHEMATIC DIAGRAM (8 OF 12)



BM BOARD

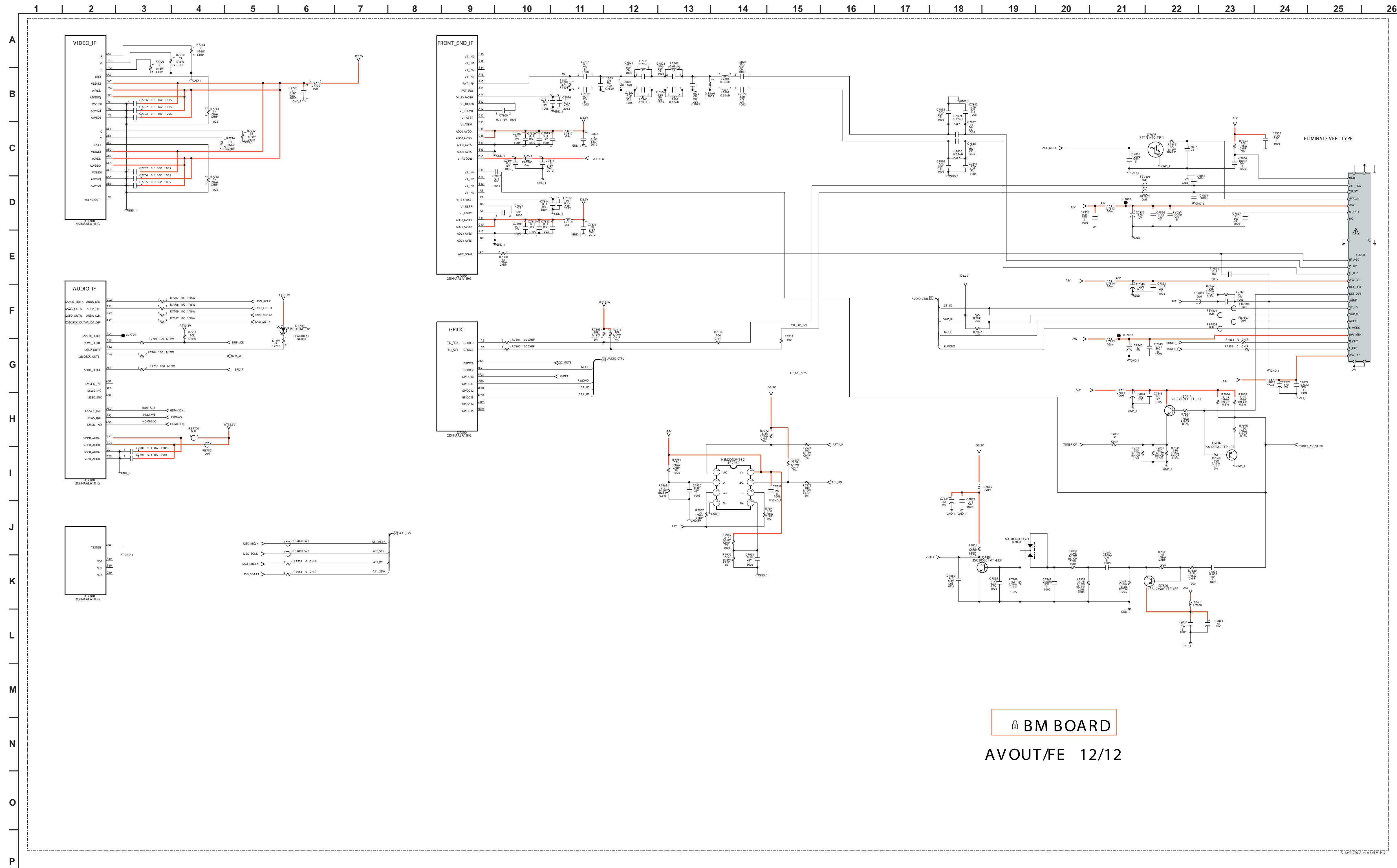
POWER / RESET 8/12

BM BOARD SCHEMATIC DIAGRAM (10 OF 12)



BM BOARD
 DDR/FLASH/NVM 10/12

BM BOARD SCHEMATIC DIAGRAM (12 OF 12)

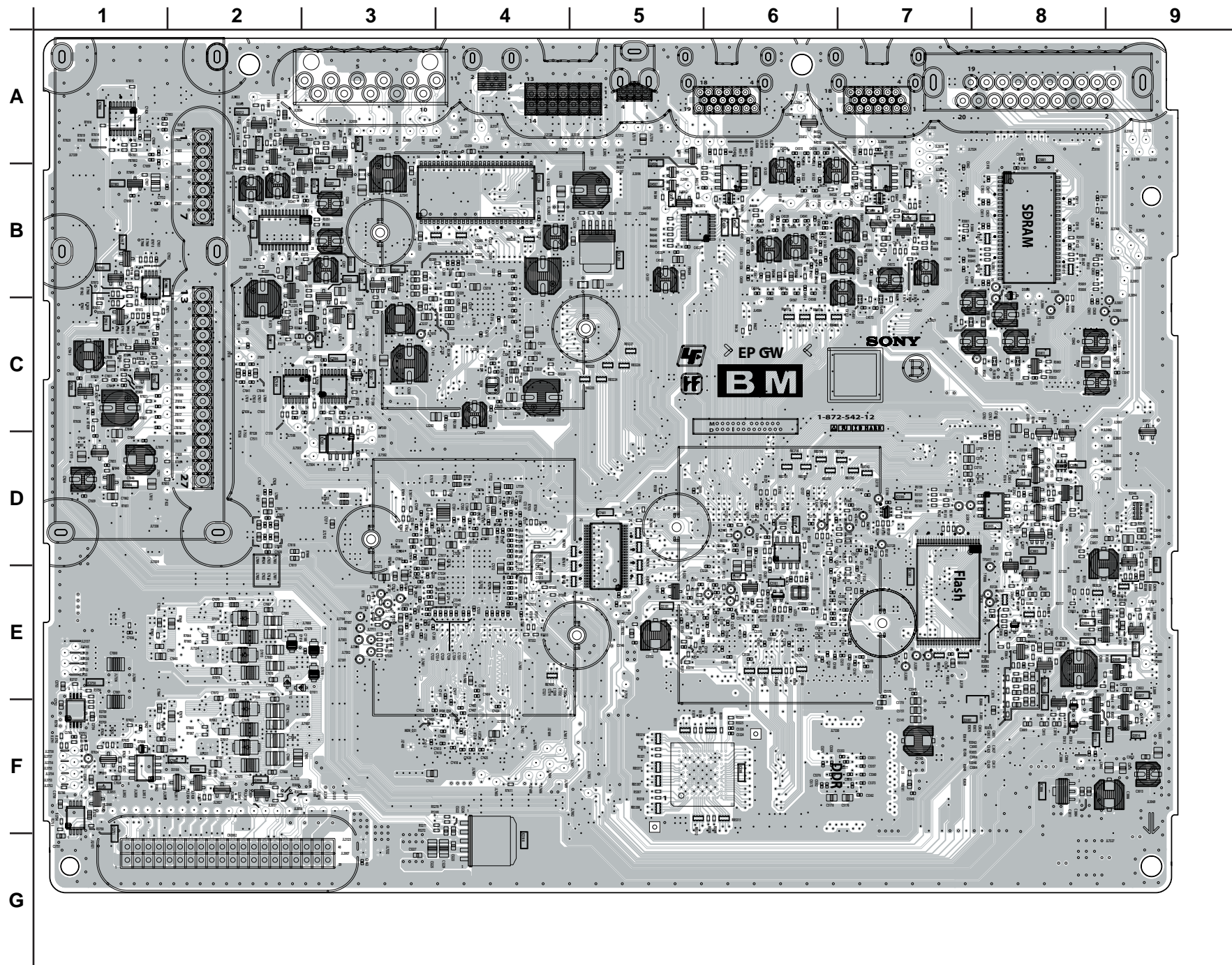


BM BOARD

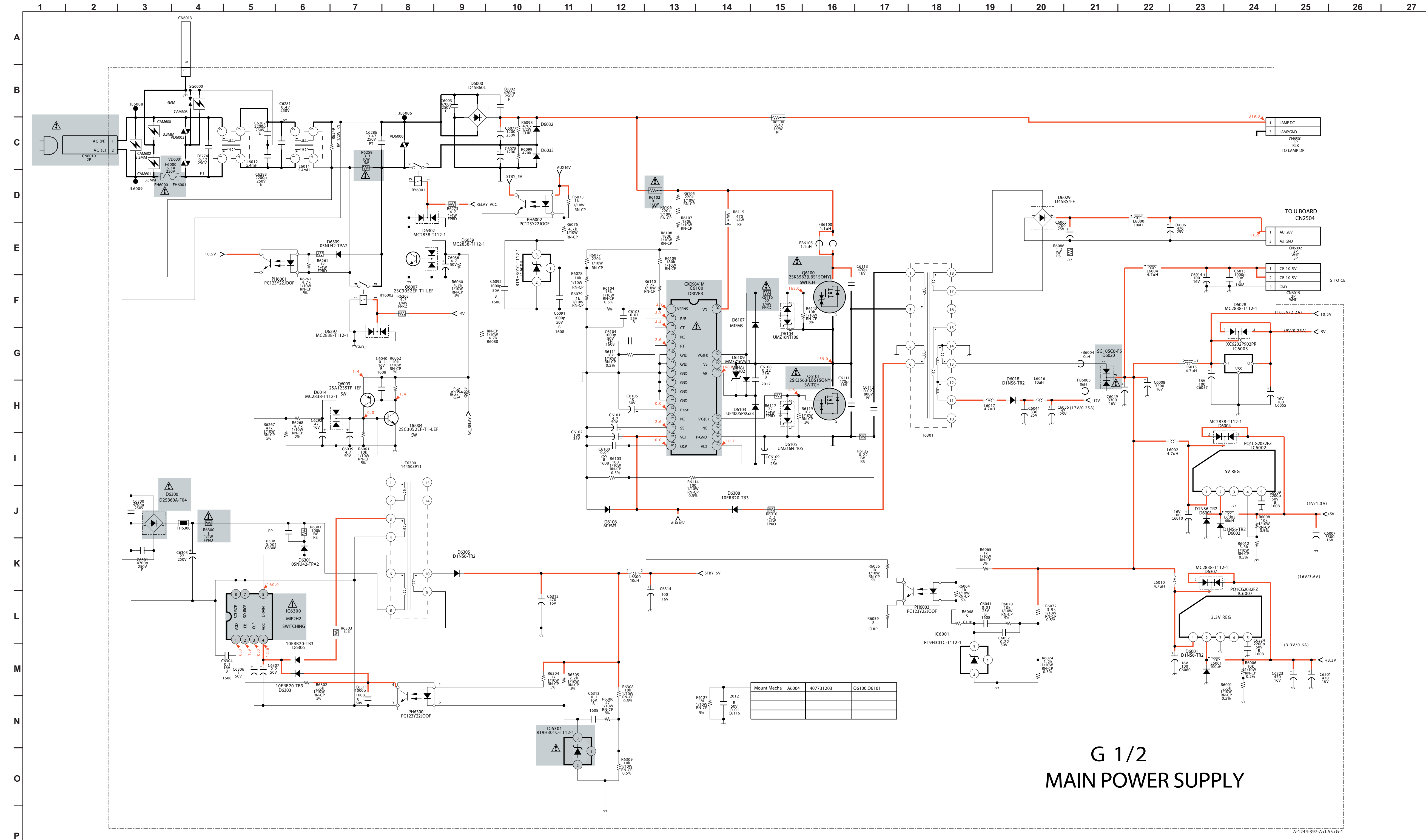
AVOUT/FE 12/12

BM [SAIPH, CCPXA, DRC-MFV1, IFP2, IFP2S/DDR, LVDS, HDMI, POWER/RESET, X242 POWER, PLL, FLEXBUS, USB, PERIPHERALS, DDR, FLASH, NVM, DIGITAL IF, EJTAG, AV OUT, FE]

CONDUCTOR SIDE



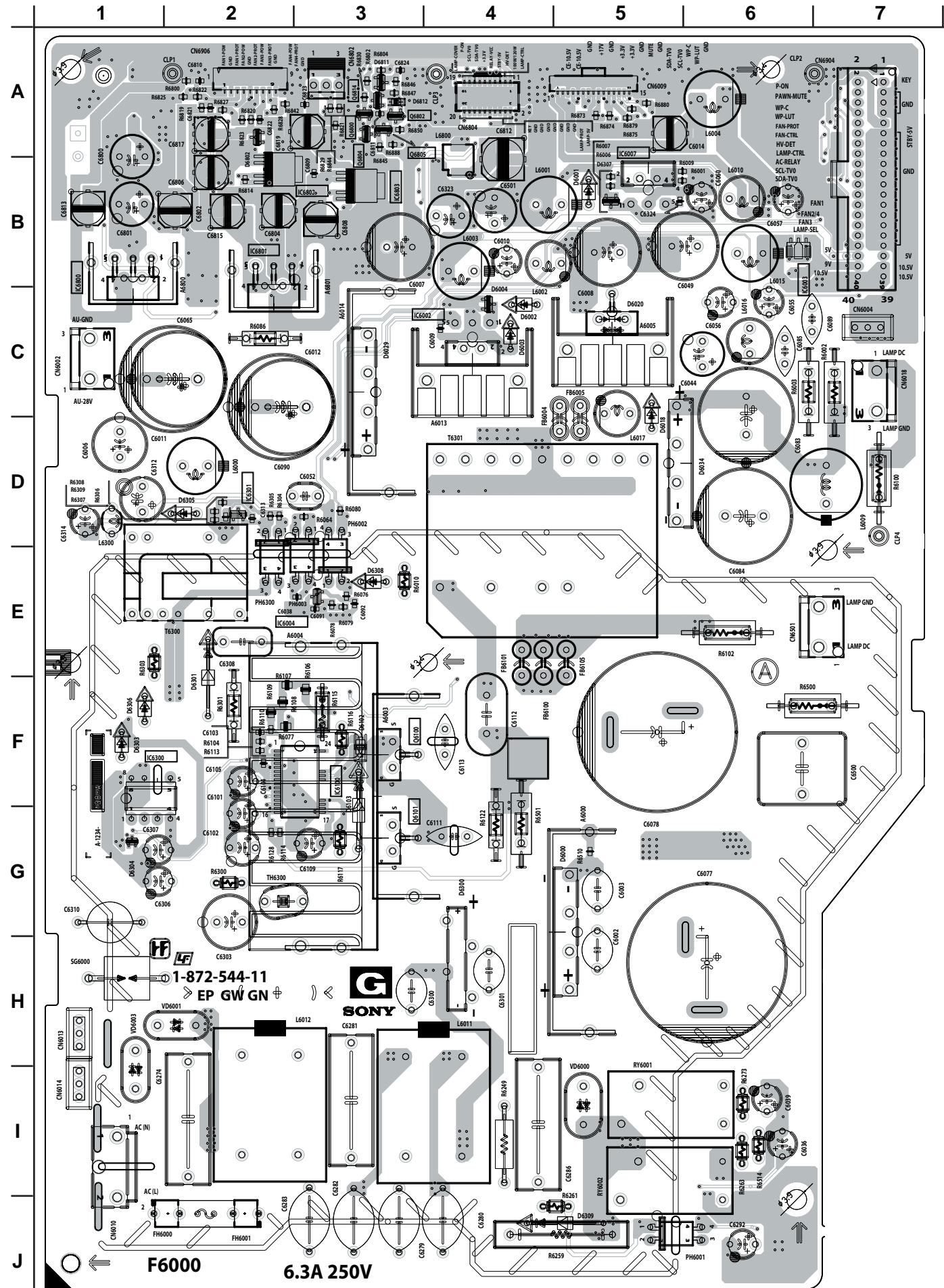
G BOARD SCHEMATIC DIAGRAM (1 OF 2)



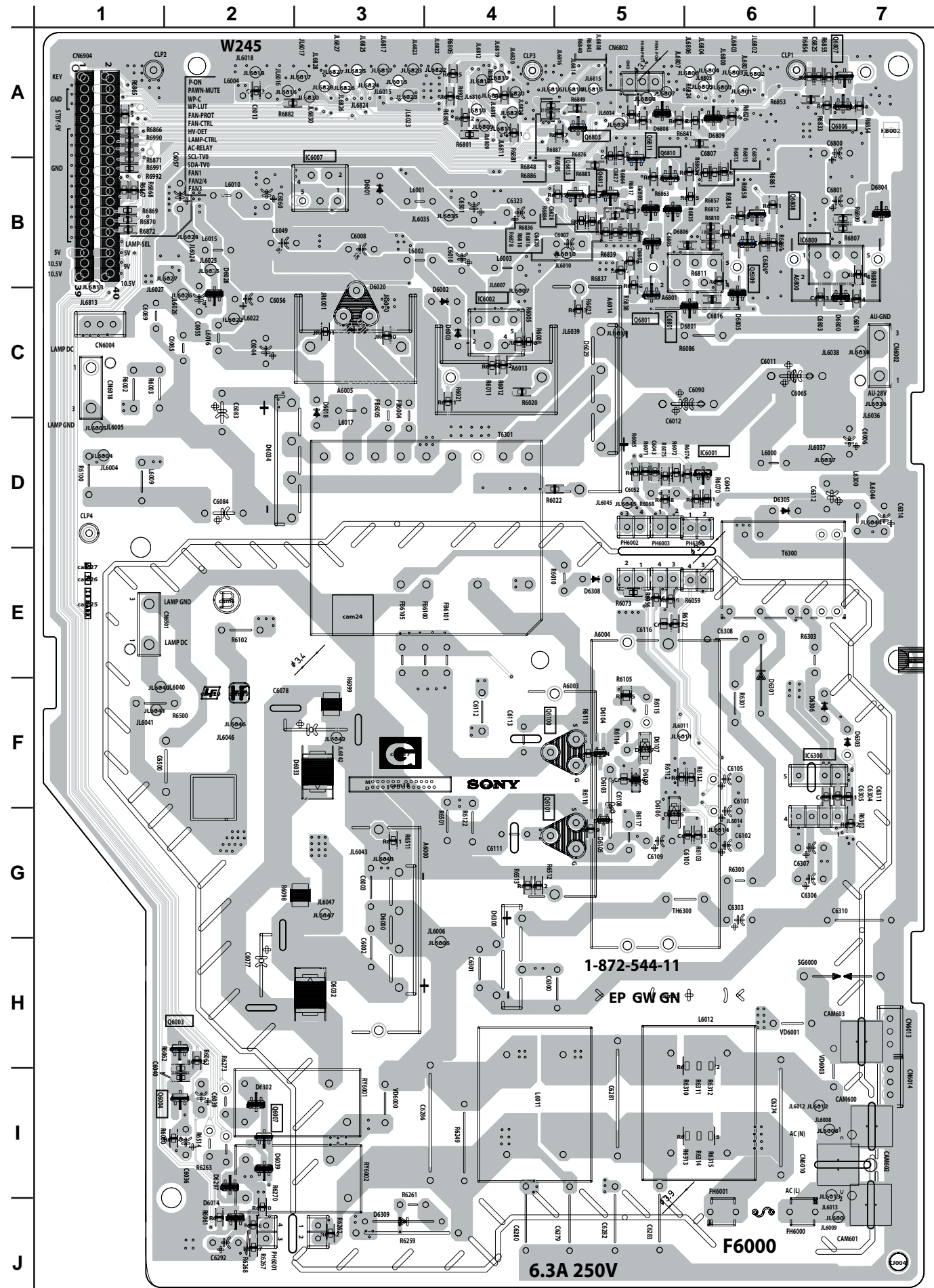
G 1/2
MAIN POWER SUPPLY

A-1244-397-A-CLAS-G-1

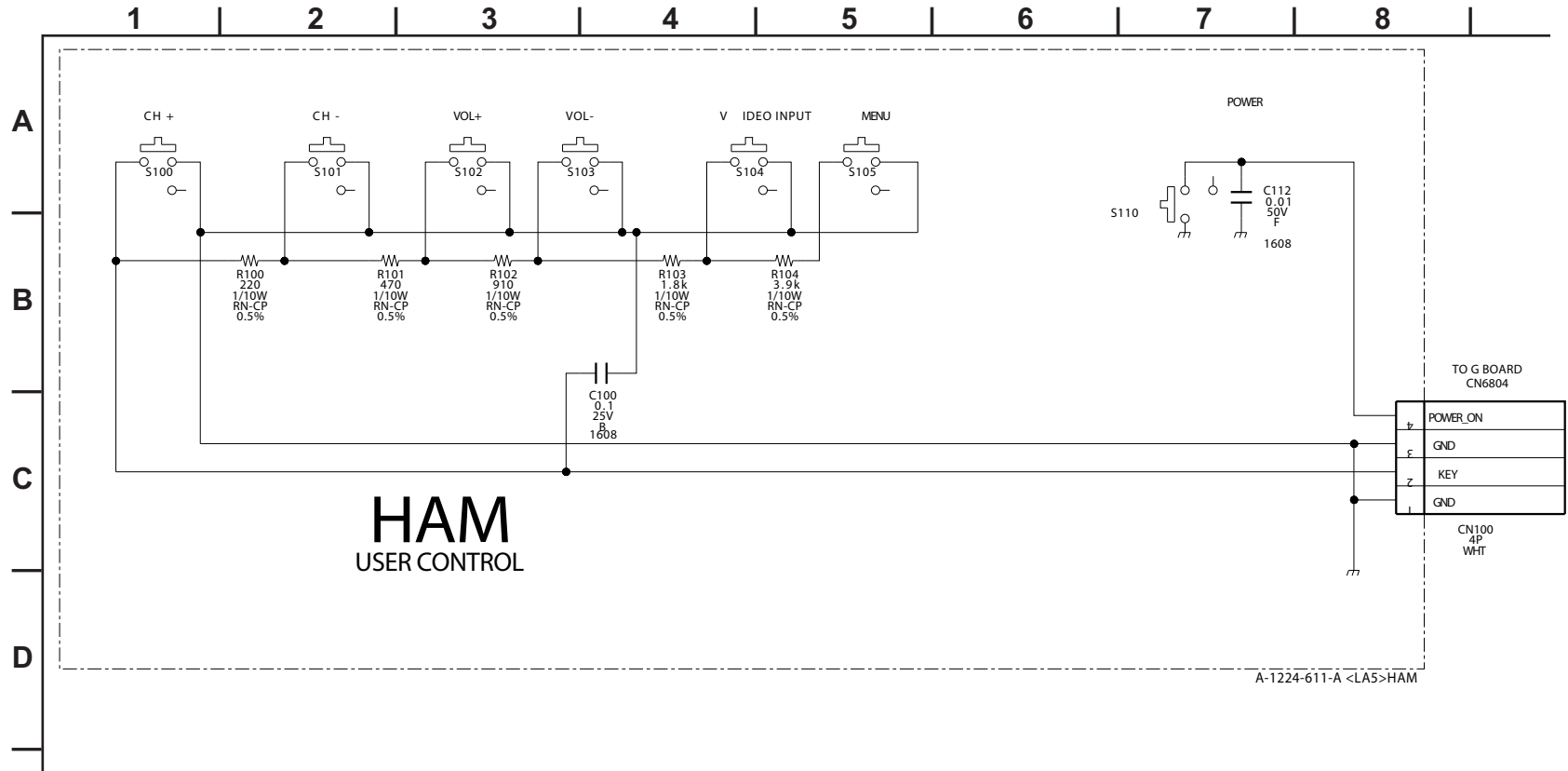
G [MAIN POWER SUPPLY, FAN CONTROL]
COMPONENT SIDE



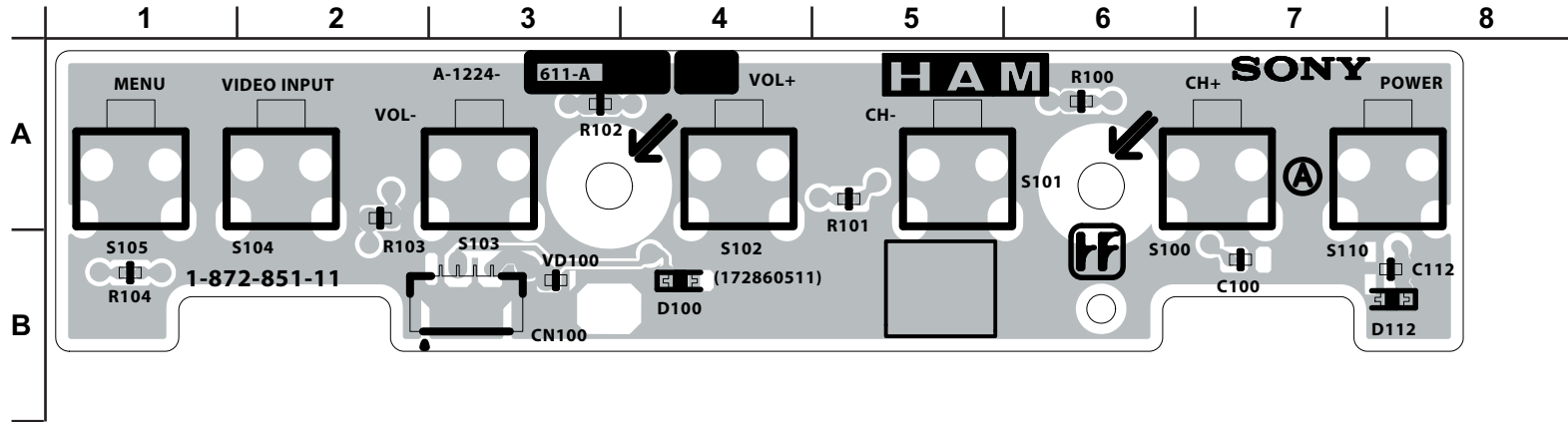
G [MAIN POWER SUPPLY, FAN CONTROL]
CONDUCTOR SIDE



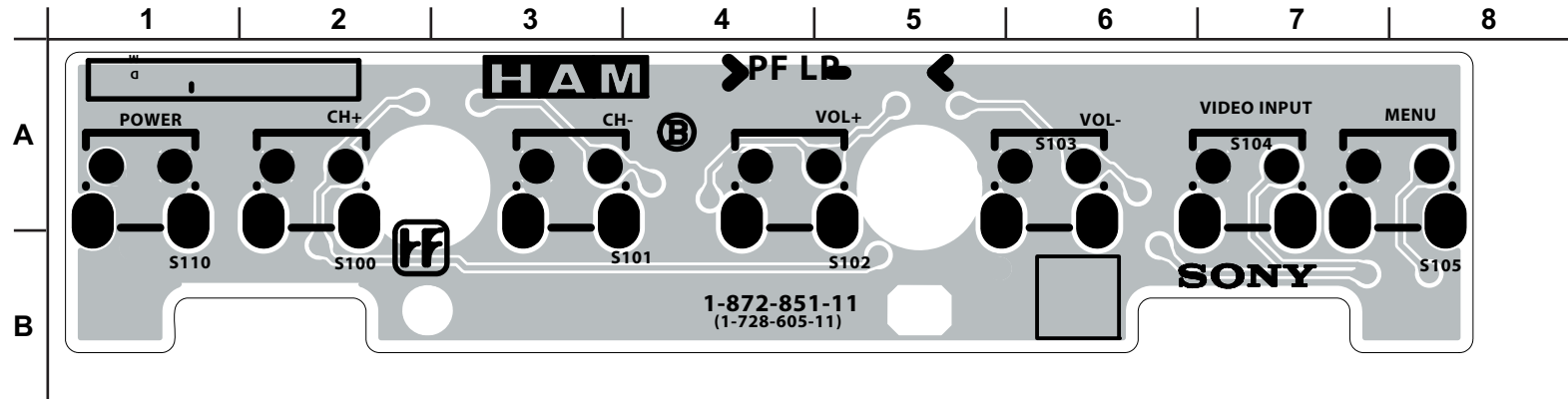
HAM BOARD SCHEMATIC DIAGRAM



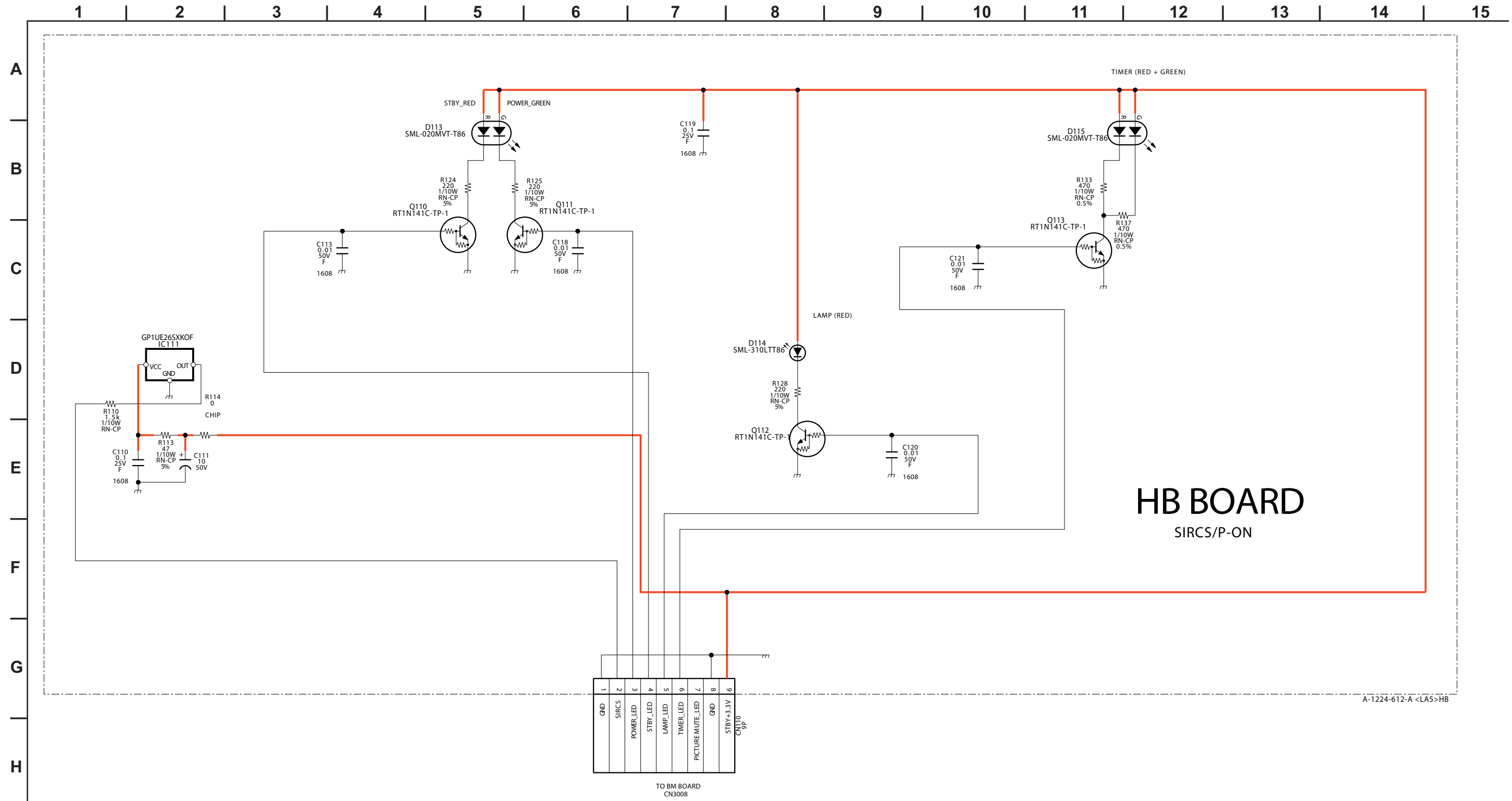
HAM [USER CONTROL]
COMPONENT SIDE



HAM [USER CONTROL]
CONDUCTOR SIDE



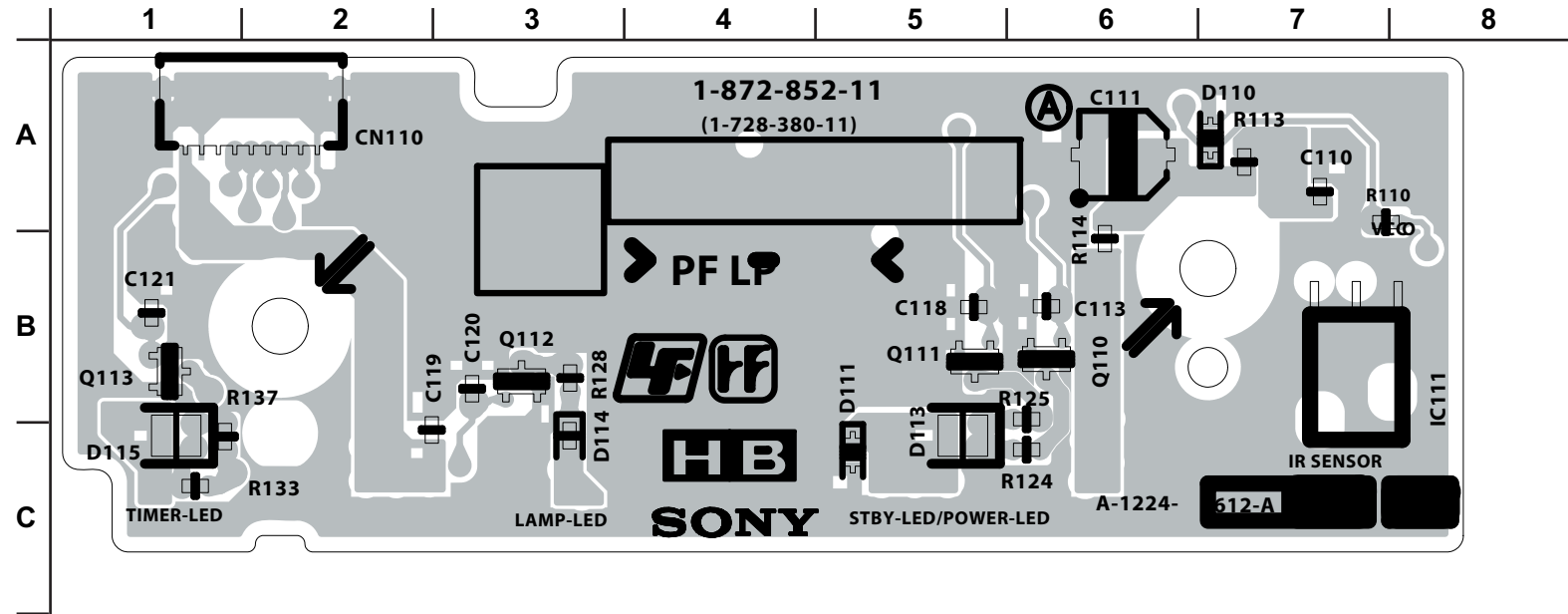
HB BOARD SCHEMATIC DIAGRAM



A-1224-612-A <LA5>HB

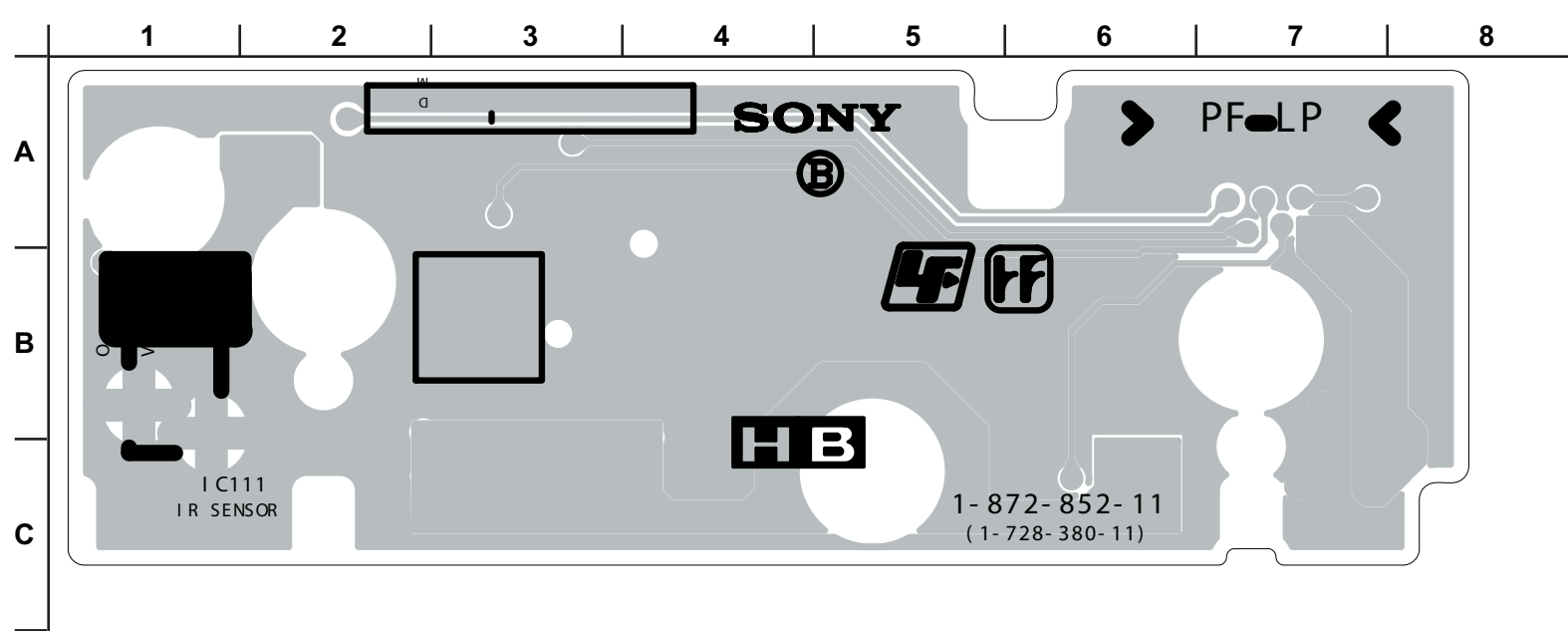
HB [SIRCS P-ON]

COMPONENT SIDE

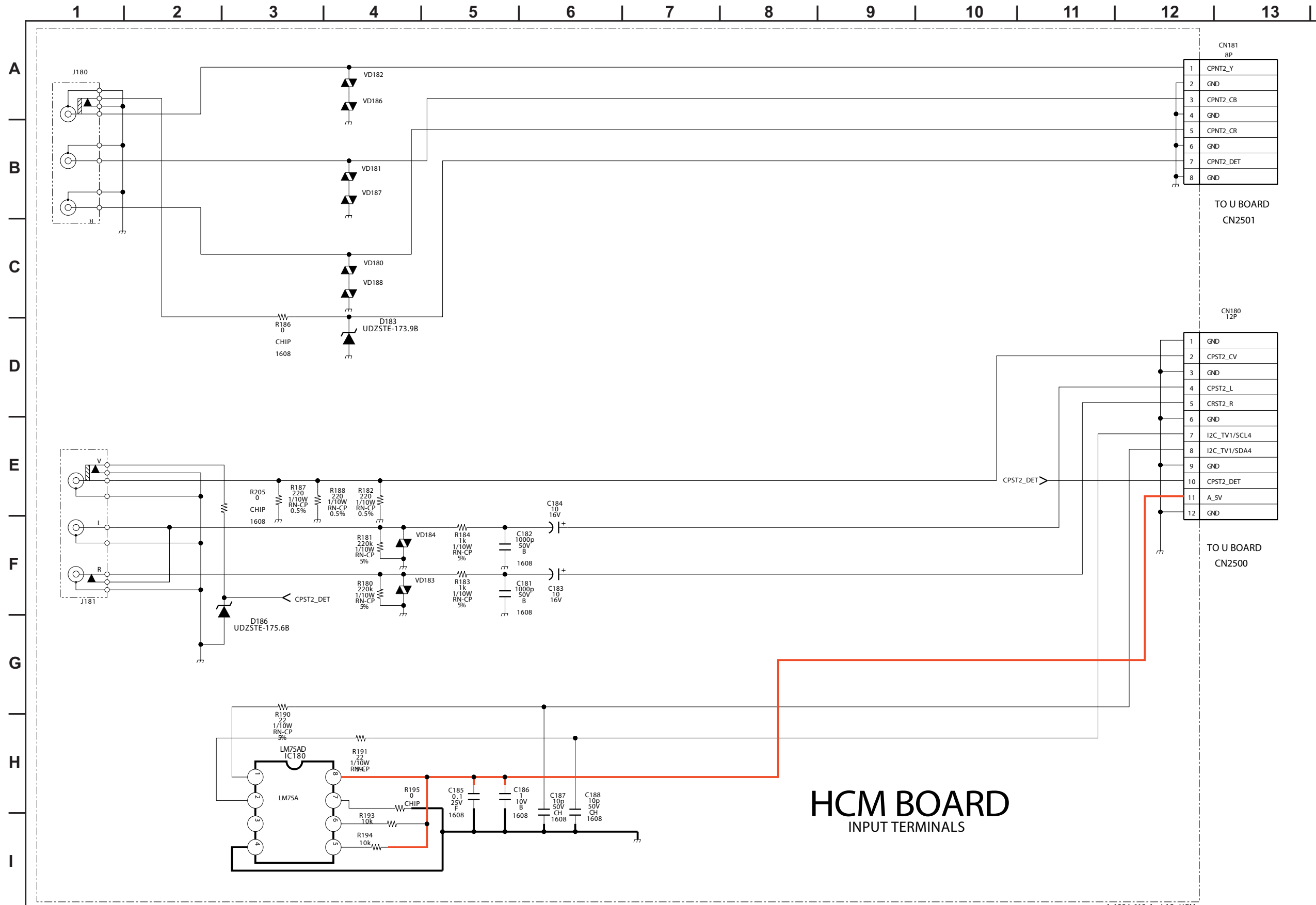


HB [SIRCS P-ON]

CONDUCTOR SIDE



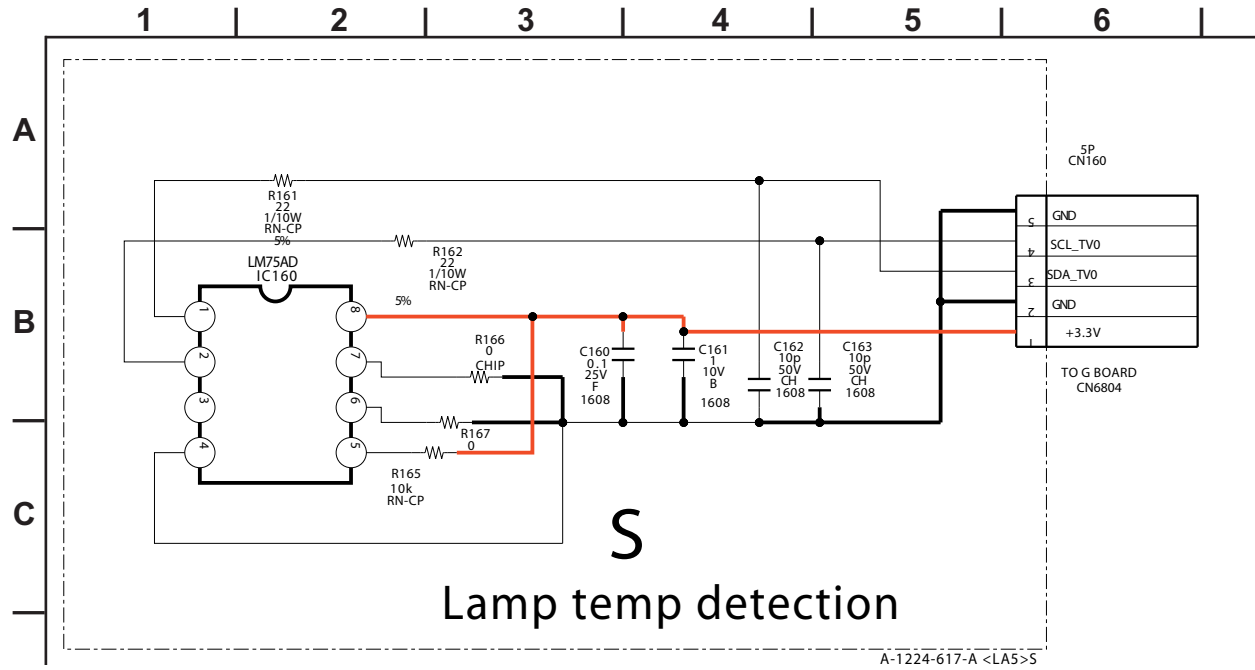
HCM BOARD SCHEMATIC DIAGRAM



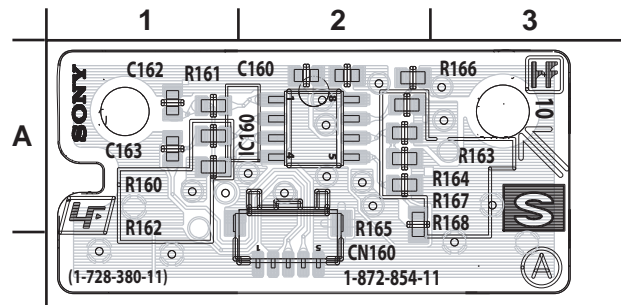
HCM BOARD
INPUT TERMINALS

A-1224-613-A <LA5>HCM

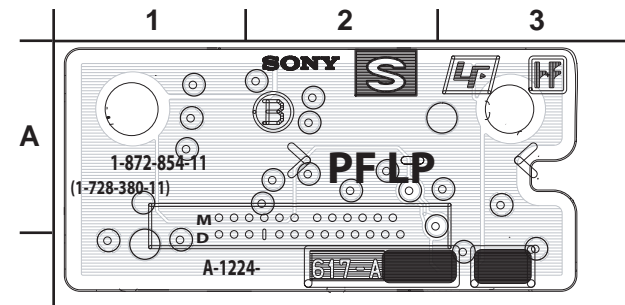
S BOARD SCHEMATIC DIAGRAM



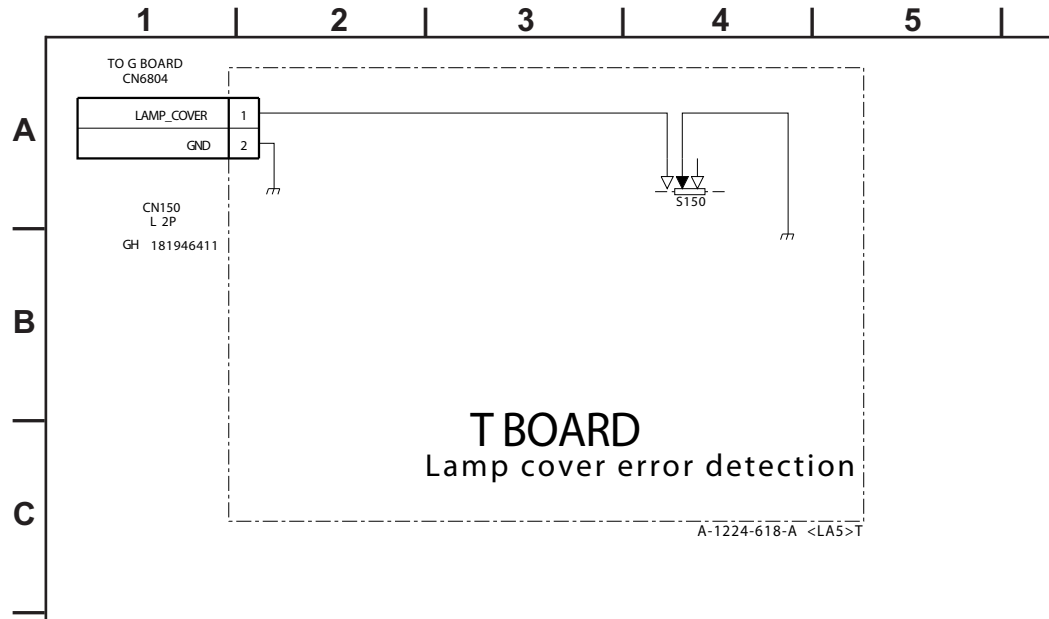
S [LAMP TEMPERATURE DETECTION]
COMPONENT SIDE



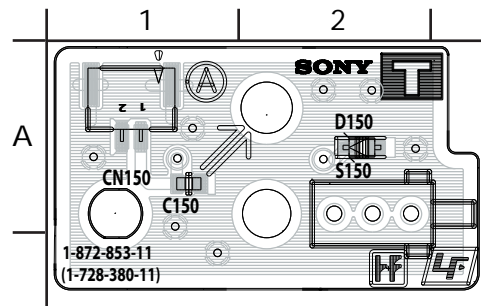
S [LAMP TEMPERATURE DETECTION]
CONDUCTOR SIDE



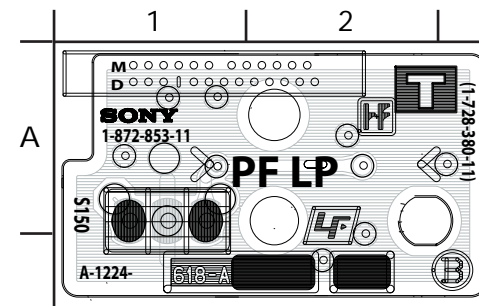
T BOARD SCHEMATIC DIAGRAM



T [LAMP COVER ERROR DETECTION]
COMPONENT SIDE

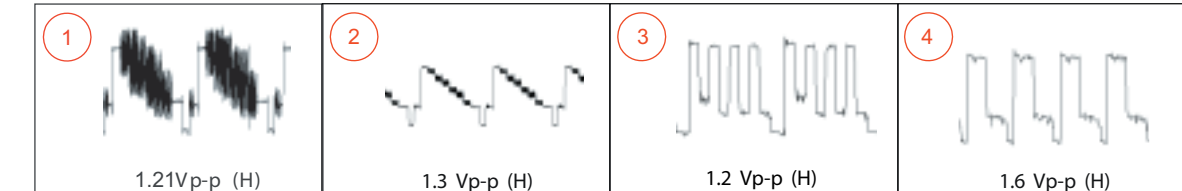
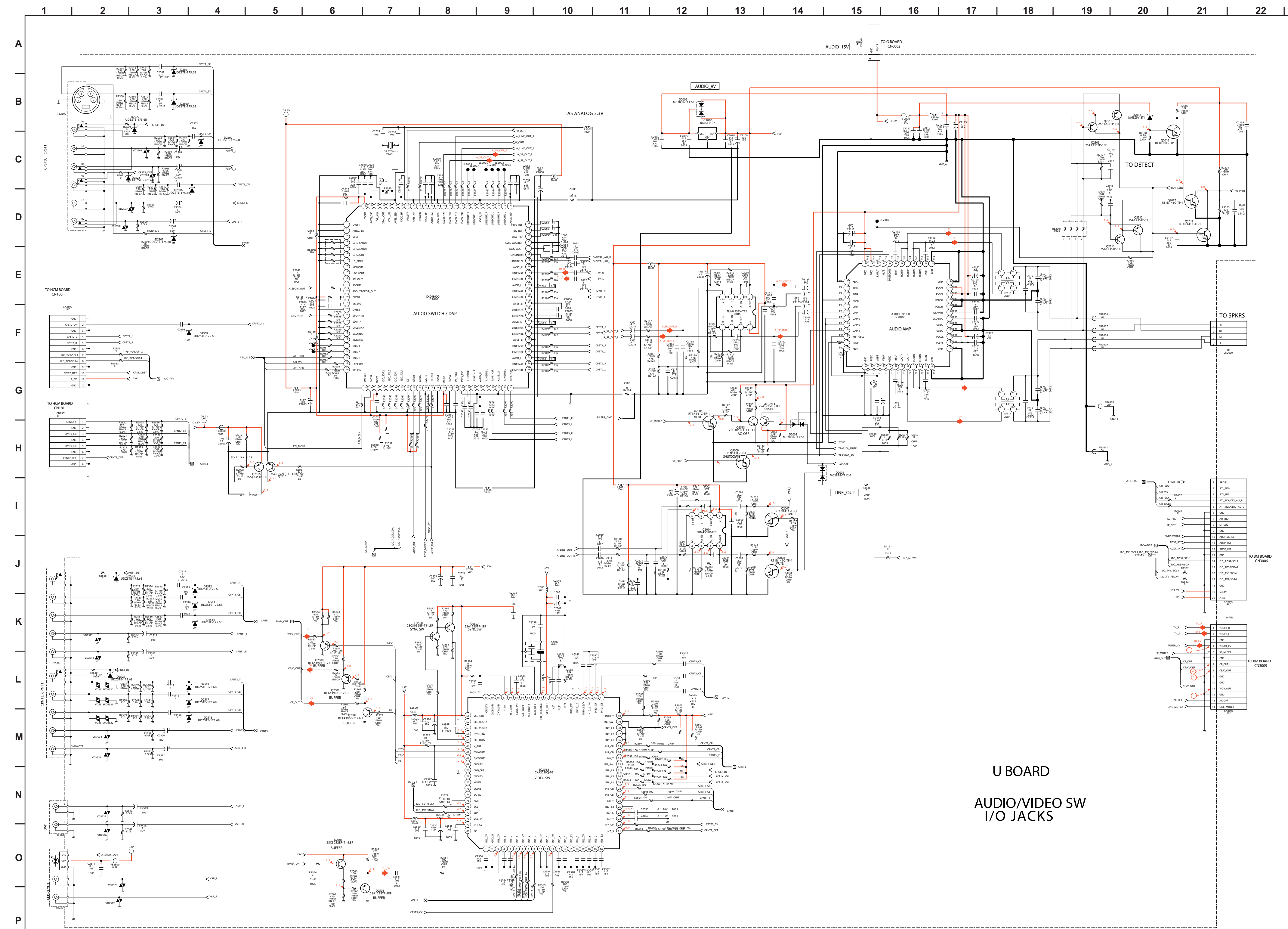


T [LAMP COVER ERROR DETECTION]
CONDUCTOR SIDE



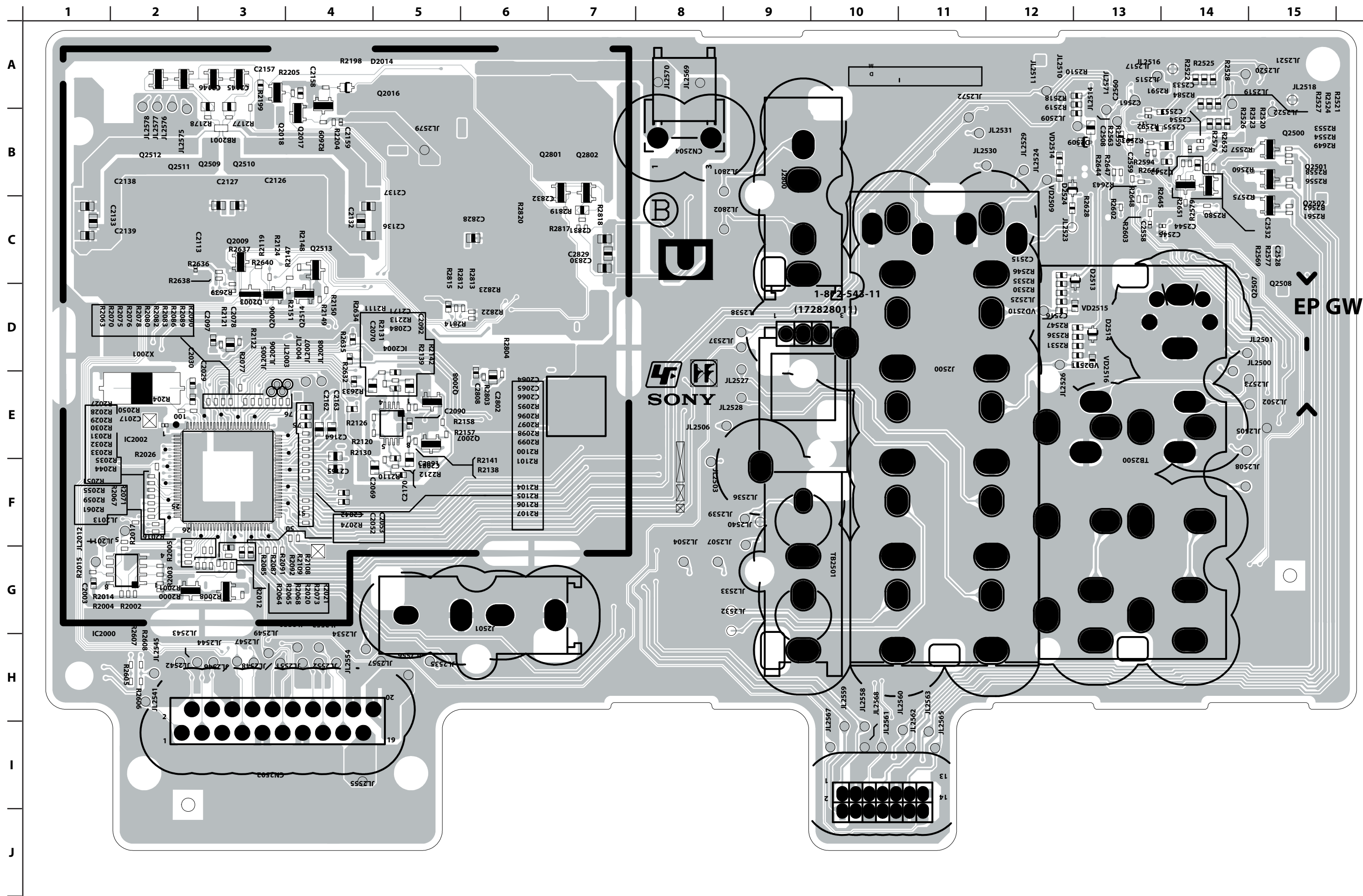
U BOARD SCHEMATIC DIAGRAM

U BOARD WAVEFORMS



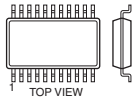
U BOARD
AUDIO/VIDEO SW
I/O JACKS

U [AUDIO/VIDEO SW, I/O JACKS]
CONDUCTOR SIDE



3-5. SEMICONDUCTORS

LM75BIM-5/NOPB
M24C02-WMN6T(B)



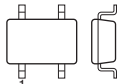
8 PINS

MCZ3001DB



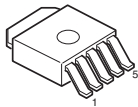
18 PINS

MM1431ATT
NJM2870F18 (TE2)
XXC6219B182MR

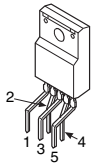


5 PINS

NJM2387DL2-TE1



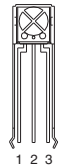
PQ1CG2032FZ



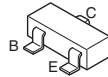
PQ30RV11



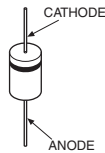
RPM7240-H8



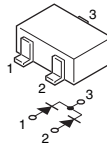
2SC1623-L5L6
UPA1716G



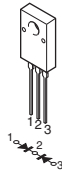
10ERB20-TB3
UF4005/23



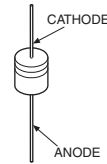
1SS184



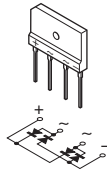
D10SC4M-F
D10SC6M-4012



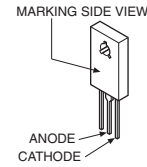
D2L20U-TA
RD8.2ES-B2



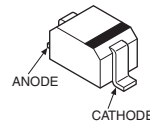
D2SB60A-F04
D2SB60L
D4SBL40
D4SBS6-F



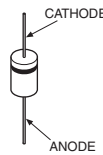
D5LC20U-4012



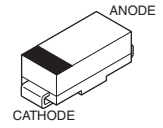
DTZ10B
HZU5.6GTRF
MA111-TX
UDZS-TE17-5.6B



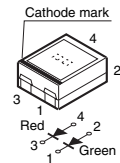
ERA22-08TP3



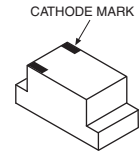
P6SMB39AT3
S3G



SML-020MVT-T86



SML-210MT-T86
SML-210VTT86
SML-310LTT86





SECTION 4: EXPLODED VIEWS


Components not identified by a part number or description are not stocked because they are seldom required for routine service.

The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram.

* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

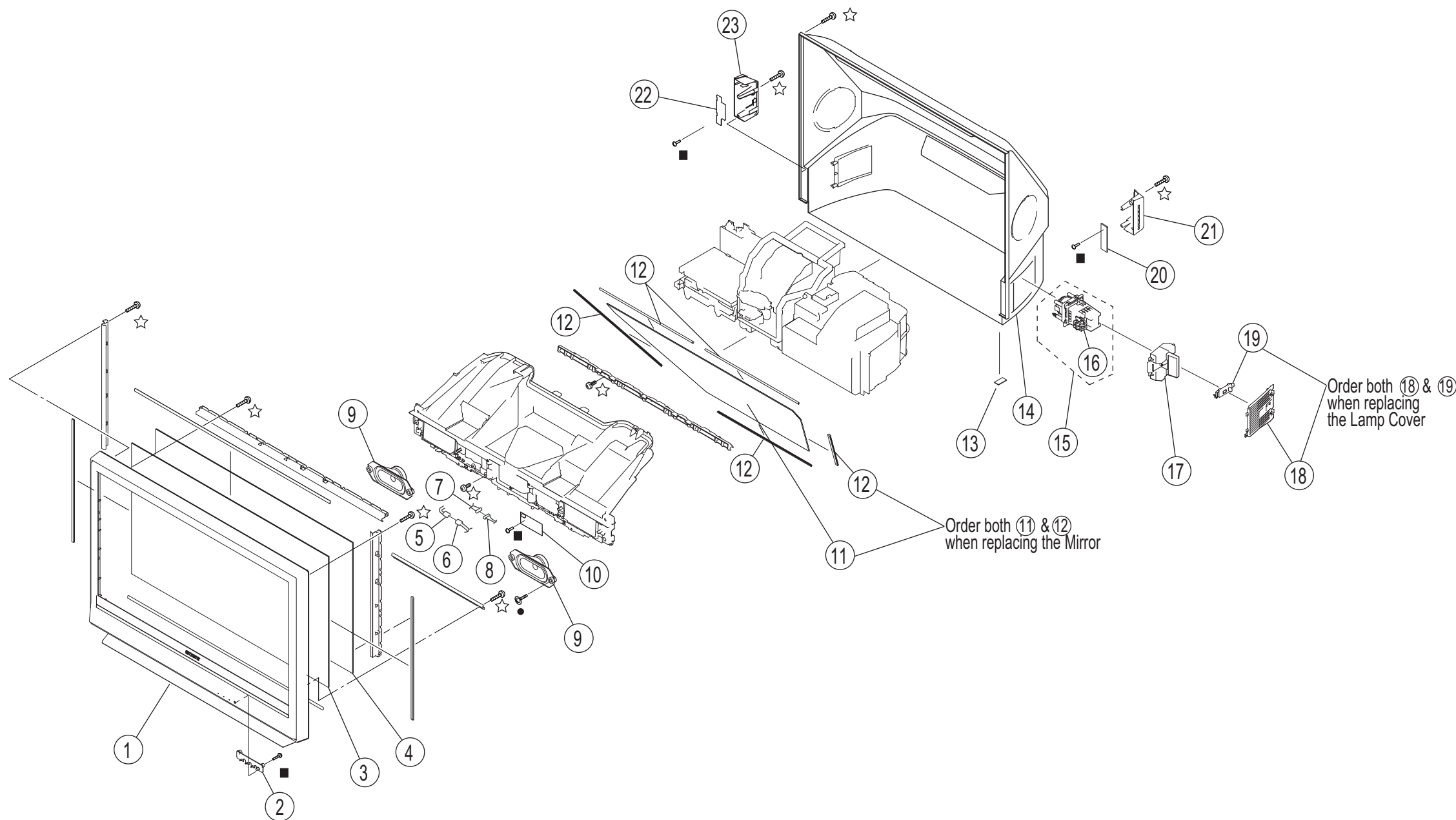
NOTE: The components identified by a red outline and a  mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced. See Appendix A: Encryption Key Components in the back of this manual.

(Check the [Sony Electronics Service Information](#) website for any additional service related issues for this model.)


4-1. SCREEN FRAME AND MIRROR ASSEMBLIES


- 7-685-648-79 SCREW +BVTP 3X12 TYPE2 IT-3
- ☆ 2-580-640-01 SCREW, +BVTP2 4X16
- 2-580-654-01 SCREW, +PWTP2 4X16


Caution:
When removing the Rear Cover or the Screen Frame Assembly, be sure to clean the mirror and Diffusion Plate(s) to remove any dust particles.



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
1	A-1317-920-A	SCREEN FRAME ASSEMBLY (SVC)	
2	3-093-896-01	GUIDE, LIGHT (M)	
3	3-094-216-11	PLATE(37L), DIFFUSION	
4	3-094-217-11	PLATE (37F), DIFFUSION	
5	1-910-035-12	CONN ASSEMBLY, 4P SPEAKER SMR	
6	1-910-035-13	CONN ASSEMBLY, 4P SPEAKER FASTON	
7	1-910-035-15	CONN ASSEMBLY, 9P ZMR 340	
8	1-910-035-16	CONN ASSEMBLY, 9P ZHR 310	
9	1-826-652-11	LOUDSPEAKER (6.5X13CM)	
10	A-1224-612-A	HB BOARD, MOUNTED	
11	3-093-890-01	MIRROR (37)	
12	2-633-886-61	GUARD, MIRROR EDGE (Need to order 5 Guards)	
13	4-097-548-01	CUSHION, FOOT	
14	3-093-888-01	CABINET (37),REAR	
* 15	A-1244-385-A	LAMP BLOCK ASSEMBLY	[16]
16	1-833-910-11	LEAD WIRE WITH CONNECTOR (LAMP)	
17	A-1243-803-A	LAMP DOOR ASSEMBLY	
18	3-093-886-01	COVER, LAMP (M)	
19	3-093-887-01	LEVER (LAMP COVER)	
20	A-1224-611-A	HAM BOARD, MOUNTED	
21	3-093-884-01	BUTTON,CONTROL	
22	A-1224-613-A	HCM BOARD, MOUNTED	
23	3-093-885-01	BRACKET (37), HC	

NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

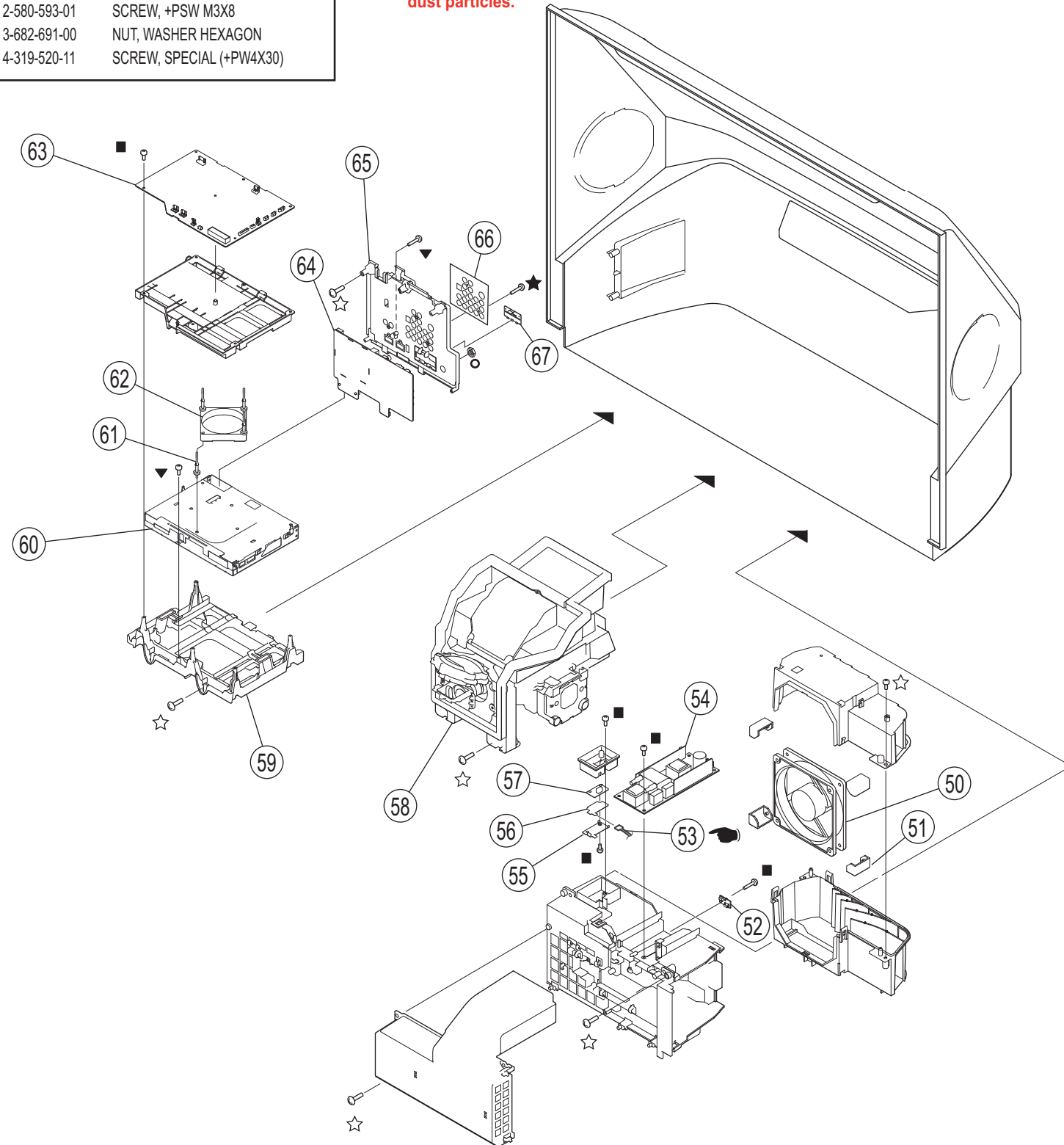
NOTE: The components identified by a red outline and a  mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced. See Appendix A: Encryption Key Components in the back of this manual.







(Check the [Sony Electronics Service Information](http://www.sony.com/electronics/service) website for any additional service related issues for this model.)


4-2. CHASSIS AND OPTICAL BLOCK ASSEMBLY


- 7-685-648-79 SCREW +BVTP 3X12 TYPE2 IT-3
- ☆ 2-580-640-01 SCREW, +BVTP2 4X16
- ▼ 2-580-593-01 SCREW, +PSW M3X8
- 3-682-691-00 NUT, WASHER HEXAGON
- ★ 4-319-520-11 SCREW, SPECIAL (+PW4X30)


Caution:
When replacing the Optics Unit Block Assembly or the DC Fan be sure to remove any dust particles.



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
 50	8-835-860-31	FAN (MOTOR, DC SFF21C/C-NP)	
51	2-655-780-11	FAN CUSHION	
52	A-1224-618-A	T BOARD, MOUNTED	
 53	1-910-028-27	CONNECTOR ASSEMBLY 2P (THERMAL FUSE)	
54	1-480-180-11	POWER SUPPLY BLOCK	
55	2-691-972-01	PLATE, FUSE	
56	2-691-973-01	SHEET, FUSE	
57	A-1224-617-A	S BOARD, MOUNTED	
58	A-1307-742-A	OPTICAL UNIT BLOCK ASSEMBLY (SVC)	
* 59	3-093-538-01	BRACKET, MAIN	
 60	A-1317-929-A	BM BLOCK ASSEMBLY (SVC)	
Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.			
 61	3-197-044-01	DAMPER, FAN	
  62	1-787-333-21	D.C. FAN	
63	A-1244-397-A	G BOARD, COMPLETE	
64	A-1243-786-A	U BOARD, COMPLETE	
* 65	3-093-541-01	BRACKET, TERMINAL	
66	3-094-835-01	LABEL, TERMINAL	
67	3-093-423-01	DOOR, SERVICE	

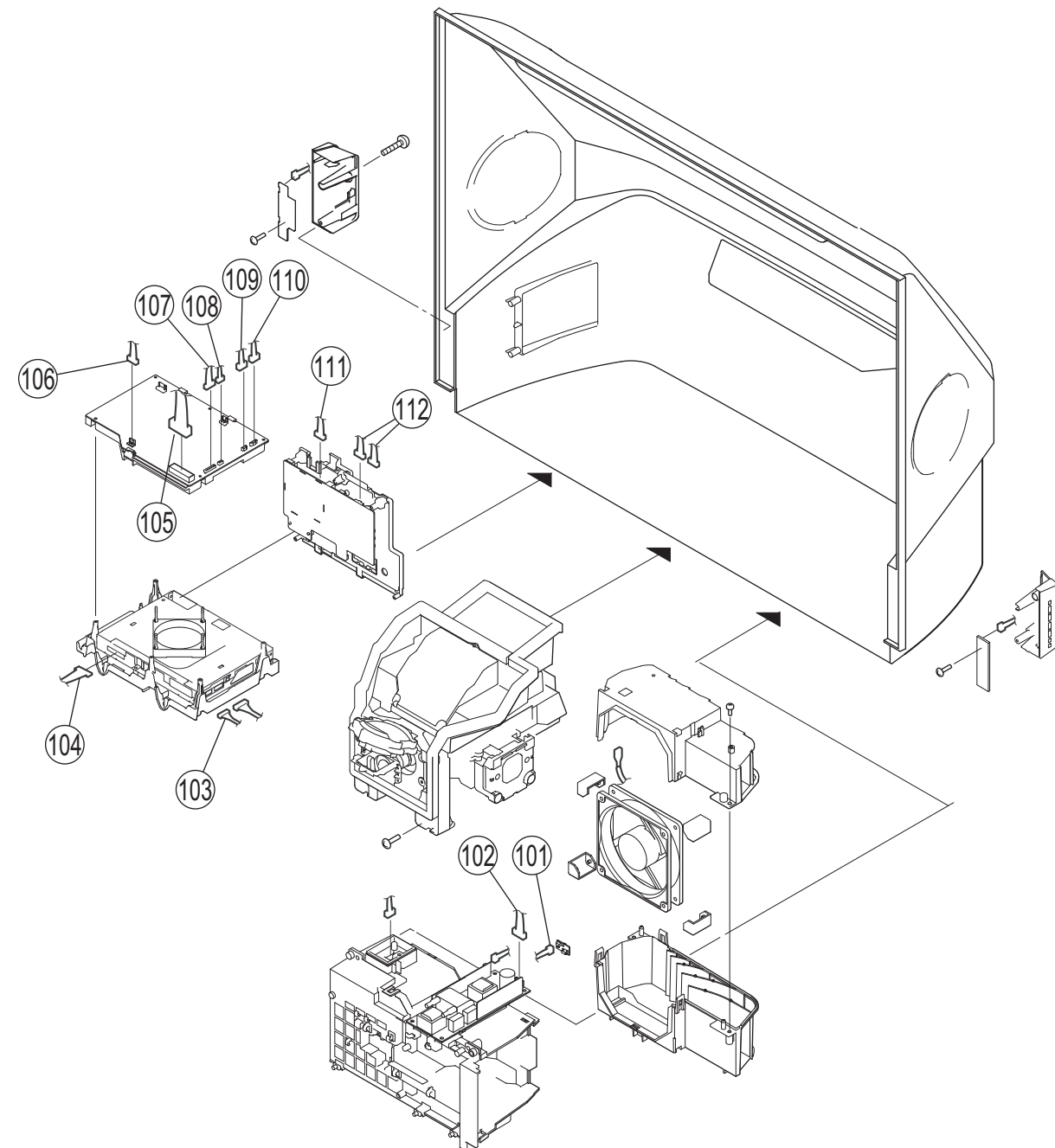
NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trape et une marque  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifique.

NOTE: The components identified by a red outline and a  mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced. See Appendix A: Encryption Key Components in the back of this manual.


(Check the [Sony Electronics Service Information](http://www.sony.com/electronics/service) website for any additional service related issues for this model.)

4-3. CONNECTORS



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
101	1-910-035-17	CONN ASSEMBLY, 3P SMR	
102	1-910-035-18	CONN ASSEMBLY, 7P	
103	1-910-035-14	CONN ASSEMBLY, 8P	
104	1-833-913-11	LEAD WIRE WITH CONNECTOR (LVDS)	
105	1-910-035-07	CONN ASSEMBLY, 40P	
106	1-910-035-09	CONN ASSEMBLY, 3P VH 1000	
107	1-910-035-06	CONN ASSEMBLY, 15P GH	
108	1-910-035-19	CONN ASSEMBLY, 20P	
109	1-910-035-11	WIRE ASSEMBLY, FASTON TERMINAL	
110	1-910-035-20	CONN ASSEMBLY, 9P	
111	1-910-035-08	CONN ASSEMBLY, 3P VH 130	
112	1-910-035-10	HARNESS ASSEMBLY	

SECTION 5: ELECTRICAL PARTS LIST


NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.


* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

RESISTORS



- All resistors are in ohms
- F : nonflammable
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.



NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE: The components identified by a red outline and a  mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced. See Appendix A: Encryption Key Components in the back of this manual.

When ordering parts by reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
											
 A-1317-929-A BM BLOCK ASSEMBLY (SVC)											
CAPACITOR											
C3000	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3038	1-164-937-11	CERAMIC CHIP	0.001µF	10%	50V
C3001	1-128-994-21	ELECT CHIP	47µF	20%	10V	C3039	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3002	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3040	1-164-856-81	CERAMIC CHIP	18pF	5%	50V
C3003	1-128-994-21	ELECT CHIP	47µF	20%	10V	C3041	1-164-856-81	CERAMIC CHIP	18pF	5%	50V
C3004	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3042	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3005	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C3043	1-164-937-11	CERAMIC CHIP	0.001µF	10%	50V
C3006	1-126-205-11	ELECT CHIP	47µF	20%	6.3V	C3044	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3007	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3045	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3008	1-126-205-11	ELECT CHIP	47µF	20%	6.3V	C3046	1-164-854-11	CERAMIC CHIP	15pF	5%	50V
C3009	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3047	1-164-854-11	CERAMIC CHIP	15pF	5%	50V
C3010	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3050	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3011	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C3051	1-127-931-21	ELECT CHIP	470µF	20%	16V
C3012	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C3052	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3013	1-128-993-21	ELECT CHIP	22µF	20%	10V	C3053	1-100-907-11	CERAMIC CHIP	0.1µF	10%	10V
C3014	1-100-909-11	CERAMIC CHIP	10µF	10%	6.3V	C3056	1-100-567-81	CERAMIC CHIP	0.01µF	10%	25V
C3015	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3057	1-128-994-21	ELECT CHIP	47µF	20%	10V
C3020	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V	C3062	1-100-567-81	CERAMIC CHIP	0.01µF	10%	25V
C3021	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3063	1-100-567-81	CERAMIC CHIP	0.01µF	10%	25V
C3022	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3064	1-164-937-11	CERAMIC CHIP	0.001µF	10%	50V
C3025	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V	C3065	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3026	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3066	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3027	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3074	1-164-939-11	CERAMIC CHIP	0.0022µF	10%	50V
C3030	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V	C3075	1-125-779-21	CERAMIC CHIP	0.022µF	5%	25V
C3031	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3078	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3032	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3079	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3033	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3080	1-100-567-81	CERAMIC CHIP	0.01µF	10%	25V
C3034	1-164-872-11	CERAMIC CHIP	82pF	5%	50V	C3082	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3035	1-117-681-11	ELECT CHIP	100µF	20%	16V	C3083	1-100-567-81	CERAMIC CHIP	0.01µF	10%	25V
C3036	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C3084	1-100-152-91	CERAMIC CHIP	100pF	5%	100V
C3037	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3085	1-100-152-91	CERAMIC CHIP	100pF	5%	100V
						C3086	1-100-152-91	CERAMIC CHIP	100pF	5%	100V
						C3087	1-125-777-11	CERAMIC CHIP	0.1µF	10%	10V
						C3088	1-125-777-11	CERAMIC CHIP	0.1µF	10%	10V
						C3089	1-125-777-11	CERAMIC CHIP	0.1µF	10%	10V
						C3090	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C3093	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3247	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3200	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3249	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V
C3201	1-126-206-11	ELECT CHIP	100μF	20%	6.3V	C3250	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C3202	1-126-206-11	ELECT CHIP	100μF	20%	6.3V	C3251	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C3203	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3252	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C3204	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3253	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C3205	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3256	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C3206	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3257	1-126-208-21	ELECT CHIP	47μF	20%	4V
C3207	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3259	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C3208	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3260	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V
C3209	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3269	1-117-681-11	ELECT CHIP	100μF	20%	16V
C3210	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3271	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3211	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3272	1-128-993-21	ELECT CHIP	22μF	20%	10V
C3212	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3273	1-128-993-21	ELECT CHIP	22μF	20%	10V
C3213	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3277	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3214	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C3281	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C3215	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3290	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3216	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C3291	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3217	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3292	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3218	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C3298	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3219	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C3299	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3220	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3300	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3221	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3302	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3222	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3304	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3223	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C3305	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V
C3224	1-124-779-00	ELECT CHIP	10μF	20%	16V	C3306	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3226	1-126-206-11	ELECT CHIP	100μF	20%	6.3V	C3309	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3227	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3311	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3228	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3312	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3229	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3313	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3230	1-126-206-11	ELECT CHIP	100μF	20%	6.3V	C3314	1-164-854-11	CERAMIC CHIP	15pF	5%	50V
C3231	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3315	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V
C3232	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3316	1-164-854-11	CERAMIC CHIP	15pF	5%	50V
C3233	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C3317	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V
C3234	1-126-206-11	ELECT CHIP	100μF	20%	6.3V	C3318	1-112-781-11	CERAMIC CHIP	1μF	10%	10V
C3235	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3319	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C3236	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C3320	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C3237	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C3321	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3238	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3322	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C3239	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3326	1-164-868-11	CERAMIC CHIP	56pF	5%	50V
C3240	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3327	1-131-661-21	ELECT CHIP	100μF	20%	10V
C3241	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3328	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3242	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3329	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3243	1-126-205-11	ELECT CHIP	47μF	20%	6.3V	C3667	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C3246	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C3668	1-126-394-11	ELECT CHIP	10μF	20%	16V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C3670	1-164-858-11	CERAMIC CHIP	22pF	5%	50V	C4529	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3671	1-164-858-11	CERAMIC CHIP	22pF	5%	50V	C4532	1-126-394-11	ELECT CHIP	10μF	20%	16V
C3676	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C4533	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V
C3700	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4534	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C3701	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C4535	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V
C3702	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C4536	1-126-394-11	ELECT CHIP	10μF	20%	16V
C3703	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C4537	1-126-394-11	ELECT CHIP	10μF	20%	16V
C3704	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C4538	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3705	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C4539	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3706	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4540	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3707	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C4541	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3708	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C4542	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3709	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4543	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C3710	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C4544	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C3711	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C4545	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3712	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C4550	1-164-852-11	CERAMIC CHIP	12pF	5%	50V
C3713	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4551	1-164-852-11	CERAMIC CHIP	12pF	5%	50V
C3714	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C4552	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3750	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4553	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3751	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4554	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3752	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4555	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3753	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C4556	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3754	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4557	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3755	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C4558	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3756	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4561	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C3757	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4562	1-126-394-11	ELECT CHIP	10μF	20%	16V
C3758	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4563	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C3759	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4565	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3760	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4566	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3761	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4568	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C3762	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4569	1-126-394-11	ELECT CHIP	10μF	20%	16V
C3763	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C4570	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C3808	1-164-882-11	CERAMIC CHIP	220pF	5%	16V	C4572	1-126-394-11	ELECT CHIP	10μF	20%	16V
C3809	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5000	1-126-390-11	ELECT CHIP	22μF	20%	6.3V
C4506	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V	C5001	1-126-390-11	ELECT CHIP	22μF	20%	6.3V
C4507	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V	C5002	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C4513	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C5003	1-126-390-11	ELECT CHIP	22μF	20%	6.3V
C4515	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C5004	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V
C4519	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C5005	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C4521	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C5006	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C4523	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C5007	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V
C4524	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C5008	1-126-390-11	ELECT CHIP	22μF	20%	6.3V
C4525	1-124-779-00	ELECT CHIP	10μF	20%	16V	C5009	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V
C4526	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V	C5010	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C4528	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C5011	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C5012	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5116	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5013	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5117	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5014	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5118	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5015	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5119	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5016	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5120	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5017	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5121	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5018	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5123	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5019	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5124	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5020	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5125	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5021	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5126	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5022	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5128	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5023	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5129	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5024	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5130	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5025	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5131	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5026	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5132	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5027	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5133	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5028	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5134	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5029	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5135	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5030	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5136	1-126-391-11	ELECT CHIP	47μF	20%	6.3V
C5031	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5137	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5032	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5138	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C5033	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5139	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5034	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5140	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C5035	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5141	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C5036	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5142	1-126-391-11	ELECT CHIP	47μF	20%	6.3V
C5037	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5143	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5038	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5144	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5040	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5145	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5041	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5146	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5042	1-126-390-11	ELECT CHIP	22μF	20%	6.3V	C5147	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C5043	1-112-046-11	CERAMIC CHIP	4.7μF	10%	6.3V	C5148	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5046	1-126-390-11	ELECT CHIP	22μF	20%	6.3V	C5149	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5047	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5150	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C5101	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C5151	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C5103	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5152	1-126-391-11	ELECT CHIP	47μF	20%	6.3V
C5104	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C5153	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5105	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5155	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5106	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5160	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5107	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C5161	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5109	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5162	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5110	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5163	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5111	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C5164	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5112	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5165	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5113	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5166	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5115	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C5167	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C5170	1-112-064-11	CERAMIC CHIP	2.2μF	10%	10V	C5229	1-112-066-11	CERAMIC CHIP	10μF	10%	10V
C5171	1-126-391-11	ELECT CHIP	47μF	20%	6.3V	C5300	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5172	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C5301	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5173	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5302	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5174	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C5303	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5175	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5304	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5176	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C5306	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5177	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C5311	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5178	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C5314	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5179	1-164-847-11	CERAMIC CHIP	7pF	0.50pF	50V	C5320	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5180	1-164-847-11	CERAMIC CHIP	7pF	0.50pF	50V	C5321	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5184	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5322	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5185	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5324	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5188	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5325	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5190	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5326	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5191	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5327	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5192	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C5328	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V
C5194	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5350	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5199	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5351	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5200	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5352	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5201	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C5353	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5202	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5355	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5204	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5357	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5205	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5360	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5206	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5362	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5207	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C5371	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5208	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C5372	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5209	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C5373	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5210	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C5375	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5211	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C5376	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5212	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5377	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5213	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5378	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C5214	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C5380	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V
C5215	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C7000	1-114-334-11	CERAMIC CHIP	10μF	10%	25V
C5216	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C7001	1-114-334-11	CERAMIC CHIP	10μF	10%	25V
C5217	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C7002	1-117-681-11	ELECT CHIP	100μF	20%	16V
C5218	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C7023	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C5219	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C7024	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5220	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C7025	1-114-320-11	CERAMIC CHIP	0.22μF	10%	6.3V
C5221	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C7026	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C5222	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C7027	1-164-862-11	CERAMIC CHIP	33pF	5%	50V
C5223	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C7028	1-164-862-11	CERAMIC CHIP	33pF	5%	50V
C5225	1-112-066-11	CERAMIC CHIP	10μF	10%	10V	C7029	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V
C5226	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C7030	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V
C5227	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C7031	1-164-862-11	CERAMIC CHIP	33pF	5%	50V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C7032	1-164-862-11	CERAMIC CHIP	33pF	5%	50V	C7086	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7033	1-127-988-81	CERAMIC CHIP	0.015μF	10%	16V	C7087	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7034	1-164-858-11	CERAMIC CHIP	22pF	5%	50V	C7088	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7035	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7089	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7036	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C7090	1-126-210-21	ELECT CHIP	220μF	20%	4V
C7037	1-114-320-11	CERAMIC CHIP	0.22μF	10%	6.3V	C7092	1-126-210-21	ELECT CHIP	220μF	20%	4V
C7038	1-127-988-81	CERAMIC CHIP	0.015μF	10%	16V	C7093	1-126-210-21	ELECT CHIP	220μF	20%	4V
C7039	1-127-988-81	CERAMIC CHIP	0.015μF	10%	16V	C7096	1-126-210-21	ELECT CHIP	220μF	20%	4V
C7040	1-164-858-11	CERAMIC CHIP	22pF	5%	50V	C7098	1-126-210-21	ELECT CHIP	220μF	20%	4V
C7041	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7100	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7042	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C7200	1-100-583-21	ELECT CHIP	470μF	20%	4V
C7043	1-114-320-11	CERAMIC CHIP	0.22μF	10%	6.3V	C7201	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7044	1-127-988-81	CERAMIC CHIP	0.015μF	10%	16V	C7202	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7045	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C7203	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7046	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C7204	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7047	1-164-882-11	CERAMIC CHIP	220pF	5%	16V	C7205	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7048	1-164-882-11	CERAMIC CHIP	220pF	5%	16V	C7206	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7049	1-164-882-11	CERAMIC CHIP	220pF	5%	16V	C7207	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7050	1-164-882-11	CERAMIC CHIP	220pF	5%	16V	C7208	1-126-210-21	ELECT CHIP	220μF	20%	4V
C7051	1-114-334-11	CERAMIC CHIP	10μF	10%	25V	C7209	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7052	1-114-334-11	CERAMIC CHIP	10μF	10%	25V	C7210	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7053	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C7211	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7054	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C7212	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C7055	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C7213	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7056	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7214	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7057	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7215	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C7058	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C7216	1-100-583-21	ELECT CHIP	470μF	20%	4V
C7059	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C7217	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7060	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C7218	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7061	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7219	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7062	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7220	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C7063	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C7221	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7064	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C7222	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7065	1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C7223	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C7066	1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C7224	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7067	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7225	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7068	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7226	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7073	1-114-334-11	CERAMIC CHIP	10μF	10%	25V	C7227	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7074	1-114-334-11	CERAMIC CHIP	10μF	10%	25V	C7228	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7075	1-114-334-11	CERAMIC CHIP	10μF	10%	25V	C7229	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7076	1-114-334-11	CERAMIC CHIP	10μF	10%	25V	C7230	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7078	1-112-066-11	CERAMIC CHIP	10μF	10%	10V	C7231	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7079	1-112-066-11	CERAMIC CHIP	10μF	10%	10V	C7232	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7080	1-100-055-11	CERAMIC CHIP	22μF	20%	16V	C7233	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7081	1-100-055-11	CERAMIC CHIP	22μF	20%	16V	C7234	1-114-148-11	CERAMIC CHIP	1μF		6.3V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C7235	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7300	1-117-681-11	ELECT CHIP	100μF	20%	16V
C7236	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7301	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C7237	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7302	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C7238	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7303	1-100-055-11	CERAMIC CHIP	22μF	20%	16V
C7239	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7305	1-117-681-11	ELECT CHIP	100μF	20%	16V
C7240	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7306	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V
C7241	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7400	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7242	1-100-583-21	ELECT CHIP	470μF	20%	4V	C7401	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7243	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7402	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7244	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7403	1-114-130-11	CERAMIC CHIP	1μF		6.3V
C7245	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C7404	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7246	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7405	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7247	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7406	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7248	1-114-335-11	CERAMIC CHIP	22μF	10%	16V	C7407	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7249	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7408	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7250	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7409	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7251	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7410	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7252	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7411	1-114-130-11	CERAMIC CHIP	1μF		6.3V
C7253	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7412	1-114-130-11	CERAMIC CHIP	1μF		6.3V
C7254	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7413	1-114-130-11	CERAMIC CHIP	1μF		6.3V
C7255	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7417	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7256	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7418	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7257	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7420	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7258	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7422	1-114-130-11	CERAMIC CHIP	1μF		6.3V
C7259	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7424	1-114-130-11	CERAMIC CHIP	1μF		6.3V
C7260	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7425	1-114-130-11	CERAMIC CHIP	1μF		6.3V
C7261	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C7430	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C7262	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7431	1-126-210-21	ELECT CHIP	220μF	20%	4V
C7263	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7432	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V
C7264	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7433	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V
C7265	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7501	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7266	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7502	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7267	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7503	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7269	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7504	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7270	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7507	1-128-399-11	ELECT CHIP	330μF	20%	16V
C7271	1-164-854-11	CERAMIC CHIP	15pF	5%	50V	C7509	1-100-912-11	CERAMIC CHIP	1μF	10%	25V
C7272	1-164-854-11	CERAMIC CHIP	15pF	5%	50V	C7510	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7273	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C7511	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V
C7274	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C7512	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V
C7275	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C7513	1-126-210-21	ELECT CHIP	220μF	20%	4V
C7276	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C7514	1-112-066-11	CERAMIC CHIP	10μF	10%	10V
C7277	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C7515	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7278	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C7516	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7279	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7600	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7280	1-126-210-21	ELECT CHIP	220μF	20%	4V	C7603	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
CN3600	1-818-812-12	HDMI CONNECOTOR		D3811	6-500-335-01	DIODE	MC2838-T112-1
CN3601	1-817-068-21	CONNECTOR	9P	D3812	6-500-335-01	DIODE	MC2838-T112-1
CN3602	1-818-812-12	HDMI CONNECOTOR		D5100	8-719-045-61	DIODE	SEC1901C
* CN3700	1-821-205-11	CONNECTOR (RECEPTACLE,LVDS)	21P	D7008	8-719-083-58	DIODE	UDZSTE-173.9B
* CN3750	1-820-287-11	HEADER ASSEMBLY (PRINT PWB)		D7009	6-500-335-01	DIODE	MC2838-T112-1
CN5101	1-794-962-31	CONNECTOR, SQUARE TYPE(USB 5P)		D7010	8-719-081-34	DIODE	RB160M-30TR
CN7304	1-785-842-11	CONNECTOR, USB (VERTICAL TYPE)		D7013	8-719-081-34	DIODE	RB160M-30TR
CN7600	1-816-113-21	CONNECTOR	15P	D7500	8-719-073-34	DIODE	EC21QS03L-TE12L
				D7700	8-719-053-07	DIODE	SML-310MTT86
				D7801	6-500-335-01	DIODE	MC2838-T112-1
	DIODE				FERRITE BEAD		
D3003	6-500-334-01	DIODE	MC2836-T112-1	FB3200	1-414-229-11	FERRITE	0μH
D3004	6-500-335-01	DIODE	MC2838-T112-1	FB4501	1-400-382-11	FERRITE	0μH
D3005	6-500-334-01	DIODE	MC2836-T112-1	FB4502	1-400-499-21	FERRITE	0μH
D3006	6-500-335-01	DIODE	MC2838-T112-1	FB4503	1-400-382-11	FERRITE	0μH
D3007	6-500-335-01	DIODE	MC2838-T112-1	FB4504	1-400-382-11	FERRITE	0μH
D3008	8-719-069-55	DIODE	UDZSTE-175.6B	FB4505	1-400-382-11	FERRITE	0μH
D3102	8-719-083-82	DIODE	UDZS-TE17-12B	FB4506	1-400-499-21	FERRITE	0μH
D3103	8-719-056-85	DIODE	UDZ-TE-17-8.2B	FB4507	1-400-382-11	FERRITE	0μH
D3104	6-500-334-01	DIODE	MC2836-T112-1	FB4508	1-400-382-11	FERRITE	0μH
D3105	6-500-334-01	DIODE	MC2836-T112-1	FB5000	1-414-445-11	FERRITE	0μH
D3107	6-500-335-01	DIODE	MC2838-T112-1	FB5100	1-400-580-21	FERRITE	0μH
D3108	8-719-991-75	DIODE	RB425D	FB5101	1-400-580-21	FERRITE	0μH
D3111	6-500-335-01	DIODE	MC2838-T112-1	FB5102	1-400-580-21	FERRITE	0μH
D3112	6-500-335-01	DIODE	MC2838-T112-1	FB5103	1-400-580-21	FERRITE	0μH
D3113	6-500-335-01	DIODE	MC2838-T112-1	FB5107	1-500-233-22	FERRITE	0μH
D3605	6-500-334-01	DIODE	MC2836-T112-1	FB5300	1-400-580-21	FERRITE	0μH
D3608	1-802-255-11	ESD	SUPPRESSOR	FB7200	1-414-229-11	FERRITE	0μH
D3609	1-802-255-11	ESD	SUPPRESSOR	FB7201	1-414-229-11	FERRITE	0μH
D3610	1-802-255-11	ESD	SUPPRESSOR	FB7203	1-414-229-11	FERRITE	0μH
D3611	1-802-255-11	ESD	SUPPRESSOR	FB7204	1-414-229-11	FERRITE	0μH
D3612	1-802-255-11	ESD	SUPPRESSOR	FB7205	1-400-089-21	FERRITE	0μH
D3613	1-802-255-11	ESD	SUPPRESSOR	FB7300	1-400-089-21	FERRITE	0μH
D3614	1-802-255-11	ESD	SUPPRESSOR	FB7301	1-400-089-21	FERRITE	0μH
D3615	1-802-255-11	ESD	SUPPRESSOR	FB7400	1-414-229-11	FERRITE	0μH
D3619	1-802-255-11	ESD	SUPPRESSOR	FB7601	1-469-083-21	FERRITE	0μH
D3620	1-802-255-11	ESD	SUPPRESSOR	FB7700	1-414-229-11	FERRITE	0μH
D3621	1-802-255-11	ESD	SUPPRESSOR	FB7701	1-414-229-11	FERRITE	0μH
D3622	1-802-255-11	ESD	SUPPRESSOR	FB7800	1-414-229-11	FERRITE	0μH
D3623	1-802-255-11	ESD	SUPPRESSOR	FB7801	1-469-084-21	FERRITE	0MH
D3624	1-802-255-11	ESD	SUPPRESSOR	FB7802	1-469-084-21	FERRITE	0MH
D3625	1-802-255-11	ESD	SUPPRESSOR	FB7803	1-469-084-21	FERRITE	0MH
D3626	1-802-255-11	ESD	SUPPRESSOR	FB7804	1-469-083-21	FERRITE	0μH
D3750	6-500-697-01	DIODE	UDZSTE-173.3B	FB7805	1-469-083-21	FERRITE	0μH
D3751	6-500-697-01	DIODE	UDZSTE-173.3B				
D3810	6-500-335-01	DIODE	MC2838-T112-1				



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
L3206	1-469-549-21	INDUCTOR	1μH				
L3207	1-469-549-21	INDUCTOR	1μH				
L3208	1-469-549-21	INDUCTOR	1μH				
L3210	1-469-555-21	INDUCTOR	10μH				
L3211	1-469-549-21	INDUCTOR	1μH				
L3212	1-469-555-21	INDUCTOR	10μH				
L3213	1-469-555-21	INDUCTOR	10μH				
L3214	1-469-549-21	INDUCTOR	1μH				
L3215	1-469-555-21	INDUCTOR	10μH				
L3216	1-469-555-21	INDUCTOR	10μH				
L3700	1-469-555-21	INDUCTOR	10μH				
L3701	1-469-555-21	INDUCTOR	10μH				
L3702	1-469-555-21	INDUCTOR	10μH				
L5000	1-469-555-21	INDUCTOR	10μH				
L5001	1-469-555-21	INDUCTOR	10μH				
L5101	1-469-555-21	INDUCTOR	10μH				
L7004	1-424-922-21	INDUCTOR	10μH				
L7005	1-400-281-11	INDUCTOR	10μH				
L7006	1-400-325-11	INDUCTOR	5.6μH				
L7007	1-400-281-11	INDUCTOR	10μH				
L7201	1-400-180-21	FERRITE	0μH				
L7300	1-400-284-21	INDUCTOR	0μH				
L7431	1-400-180-21	FERRITE	0μH				
L7720	1-400-180-21	FERRITE	0μH				
L7800	1-412-973-11	INDUCTOR	0.33μH				
L7801	1-412-971-31	INDUCTOR	0.22μH				
L7802	1-412-971-31	INDUCTOR	0.22μH				
L7805	1-412-973-11	INDUCTOR	0.33μH				
L7806	1-412-974-41	INDUCTOR	0.39μH				
L7807	1-412-974-41	INDUCTOR	0.39μH				
L7808	1-469-555-21	INDUCTOR	10μH				
L7809	1-412-972-31	INDUCTOR	0.27μH				
L7810	1-412-972-31	INDUCTOR	0.27μH				
L7811	1-469-555-21	INDUCTOR	10μH				
L7812	1-469-555-21	INDUCTOR	10μH				
L7813	1-469-555-21	INDUCTOR	10μH				
L7814	1-469-555-21	INDUCTOR	10μH				
L7815	1-469-555-21	INDUCTOR	10μH				
L7817	1-400-180-21	FERRITE	0μH				
L7818	1-400-180-21	FERRITE	0μH				
L7819	1-469-555-21	INDUCTOR	10μH				
					<u>IC LINK</u>		
				PS7000	1-576-925-11	IC LINK	3.15A 0V
				PS7001	1-576-925-11	IC LINK	3.15A 0V
					<u>TRANSISTOR</u>		
				Q3000	8-729-027-43	TRANSISTOR	DTC114EKA-T146
				Q3001	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
				Q3002	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
				Q3003	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
				Q3004	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
				Q3005	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
				Q3006	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
				Q3007	8-729-027-43	TRANSISTOR	DTC114EKA-T146
				Q3008	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
				Q3009	8-729-027-43	TRANSISTOR	DTC114EKA-T146
				Q3010	8-729-027-43	TRANSISTOR	DTC114EKA-T146
				Q3011	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
				Q3012	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
				Q3016	8-729-027-43	TRANSISTOR	DTC114EKA-T146
				Q3017	8-729-027-43	TRANSISTOR	DTC114EKA-T146
				Q3018	8-729-027-43	TRANSISTOR	DTC114EKA-T146
				Q3101	8-729-027-43	TRANSISTOR	DTC114EKA-T146
				Q3102	8-729-027-43	TRANSISTOR	DTC114EKA-T146
				Q3103	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
				Q3148	8-729-027-43	TRANSISTOR	DTC114EKA-T146
				Q3149	8-729-027-43	TRANSISTOR	DTC114EKA-T146
				Q3201	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
				Q3207	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
				Q3209	6-551-390-01	TRANSISTOR	RT1A3906-T122-1
				Q3211	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
				Q3212	6-550-304-01	TRANSISTOR	2SC5477-T122-1
				Q3213	6-550-304-01	TRANSISTOR	2SC5477-T122-1
				Q3214	6-550-304-01	TRANSISTOR	2SC5477-T122-1
				Q3216	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
				Q3217	6-551-390-01	TRANSISTOR	RT1A3906-T122-1
				Q3218	6-551-390-01	TRANSISTOR	RT1A3906-T122-1
				Q3219	6-550-304-01	TRANSISTOR	2SC5477-T122-1
				Q3221	6-550-304-01	TRANSISTOR	2SC5477-T122-1
				Q3222	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
				Q3223	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
				Q3224	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
				Q3225	6-551-390-01	TRANSISTOR	RT1A3906-T122-1
				Q3226	6-551-390-01	TRANSISTOR	RT1A3906-T122-1



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R3074	1-218-990-81	SHORT CHIP				R3132	1-218-937-11	RES-CHIP	47	5%	1/16W
R3075	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3133	1-218-937-11	RES-CHIP	47	5%	1/16W
R3076	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R3134	1-218-937-11	RES-CHIP	47	5%	1/16W
R3080	1-218-990-81	SHORT CHIP				R3135	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3081	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R3136	1-220-804-11	RES-CHIP	2.2M	5%	1/16W
R3082	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3137	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3083	1-218-990-81	SHORT CHIP				R3138	1-218-941-81	RES-CHIP	100	5%	1/16W
R3087	1-218-937-11	RES-CHIP	47	5%	1/16W	R3139	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3088	1-218-941-81	RES-CHIP	100	5%	1/16W	R3140	1-218-937-11	RES-CHIP	47	5%	1/16W
R3089	1-218-977-11	RES-CHIP	100K	5%	1/16W	R3141	1-218-949-11	RES-CHIP	470	5%	1/16W
R3090	1-218-953-11	RES-CHIP	1K	5%	1/16W	R3142	1-218-937-11	RES-CHIP	47	5%	1/16W
R3091	1-218-955-11	RES-CHIP	1.5K	5%	1/16W	R3143	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3092	1-218-953-11	RES-CHIP	1K	5%	1/16W	R3144	1-218-990-81	SHORT CHIP			
R3094	1-218-982-11	RES-CHIP	270K	5%	1/16W	R3145	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3096	1-218-983-11	RES-CHIP	330K	5%	1/16W	R3146	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3099	1-218-990-81	SHORT CHIP				R3147	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3100	1-218-937-11	RES-CHIP	47	5%	1/16W	R3151	1-218-973-11	RES-CHIP	47K	5%	1/16W
R3101	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3153	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3102	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3164	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3103	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3168	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
R3104	1-218-953-11	RES-CHIP	1K	5%	1/16W	R3169	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3105	1-218-953-11	RES-CHIP	1K	5%	1/16W	R3170	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
R3106	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3173	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3107	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3181	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3108	1-218-990-81	SHORT CHIP				R3185	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3110	1-218-941-81	RES-CHIP	100	5%	1/16W	R3186	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3111	1-208-927-11	METAL CHIP	47K	0.50%	1/16W	R3207	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R3112	1-208-927-11	METAL CHIP	47K	0.50%	1/16W	R3208	1-218-864-11	METAL CHIP	5.1K	0.50%	1/10W
R3113	1-208-927-11	METAL CHIP	47K	0.50%	1/16W	R3209	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3114	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3210	1-218-943-11	RES-CHIP	150	5%	1/16W
R3115	1-218-941-81	RES-CHIP	100	5%	1/16W	R3211	1-218-951-11	RES-CHIP	680	5%	1/16W
R3117	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3212	1-218-941-11	RES-CHIP	100	5%	1/16W
R3118	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3213	1-218-941-11	RES-CHIP	100	5%	1/16W
R3119	1-218-941-81	RES-CHIP	100	5%	1/16W	R3214	1-218-941-11	RES-CHIP	100	5%	1/16W
R3120	1-218-941-81	RES-CHIP	100	5%	1/16W	R3215	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3121	1-218-941-81	RES-CHIP	100	5%	1/16W	R3218	1-218-929-11	RES-CHIP	10	5%	1/16W
R3122	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3219	1-218-929-11	RES-CHIP	10	5%	1/16W
R3123	1-218-929-11	RES-CHIP	10	5%	1/16W	R3220	1-218-929-11	RES-CHIP	10	5%	1/16W
R3124	1-218-929-11	RES-CHIP	10	5%	1/16W	R3221	1-218-933-11	RES-CHIP	22	5%	1/16W
R3125	1-218-941-81	RES-CHIP	100	5%	1/16W	R3223	1-218-958-11	RES-CHIP	2.7K	5%	1/16W
R3126	1-218-941-81	RES-CHIP	100	5%	1/16W	R3224	1-218-937-11	RES-CHIP	47	5%	1/16W
R3127	1-218-941-81	RES-CHIP	100	5%	1/16W	R3225	1-218-941-11	RES-CHIP	100	5%	1/16W
R3128	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3226	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3130	1-218-990-81	SHORT CHIP				R3227	1-218-937-11	RES-CHIP	47	5%	1/16W
R3131	1-218-937-11	RES-CHIP	47	5%	1/16W	R3228	1-208-911-11	METAL CHIP	10K	0.50%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R3229	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R3373	1-218-941-11	RES-CHIP	100	5%	1/16W
R3230	1-218-941-11	RES-CHIP	100	5%	1/16W	R3375	1-218-949-11	RES-CHIP	470	5%	1/16W
R3231	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3376	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R3234	1-208-695-11	METAL CHIP	3.3K	0.50%	1/16W	R3378	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R3235	1-208-885-11	METAL CHIP	820	0.50%	1/16W	R3380	1-218-941-11	RES-CHIP	100	5%	1/16W
R3236	1-218-941-81	RES-CHIP	100	5%	1/16W	R3382	1-218-937-11	RES-CHIP	47	5%	1/16W
R3237	1-218-990-81	SHORT CHIP				R3383	1-218-949-11	RES-CHIP	470	5%	1/16W
R3240	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3384	1-208-671-11	METAL CHIP	330	0.50%	1/16W
R3245	1-208-699-11	METAL CHIP	4.7K	0.50%	1/16W	R3385	1-218-949-11	RES-CHIP	470	5%	1/16W
R3247	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3386	1-218-945-11	RES-CHIP	220	5%	1/16W
R3248	1-220-884-81	METAL CHIP	39	0.50%	1/16W	R3633	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3249	1-218-929-11	RES-CHIP	10	5%	1/16W	R3638	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3250	1-218-676-11	METAL CHIP	220	0.50%	1/10W	R3639	1-218-941-81	RES-CHIP	100	5%	1/16W
R3251	1-208-699-11	METAL CHIP	4.7K	0.50%	1/16W	R3640	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W
R3253	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3641	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W
R3260	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R3645	1-218-941-81	RES-CHIP	100	5%	1/16W
R3261	1-208-675-11	METAL CHIP	470	0.50%	1/16W	R3646	1-218-941-81	RES-CHIP	100	5%	1/16W
R3298	1-218-937-11	RES-CHIP	47	5%	1/16W	R3647	1-218-941-81	RES-CHIP	100	5%	1/16W
R3300	1-218-955-11	RES-CHIP	1.5K	5%	1/16W	R3649	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3308	1-218-937-11	RES-CHIP	47	5%	1/16W	R3651	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3309	1-208-871-81	METAL CHIP	220	0.50%	1/16W	R3652	1-218-989-11	RES-CHIP	1M	5%	1/16W
R3311	1-208-871-81	METAL CHIP	220	0.50%	1/16W	R3656	1-218-941-81	RES-CHIP	100	5%	1/16W
R3312	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R3660	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3313	1-218-937-11	RES-CHIP	47	5%	1/16W	R3666	1-218-941-81	RES-CHIP	100	5%	1/16W
R3314	1-218-937-11	RES-CHIP	47	5%	1/16W	R3669	1-218-941-81	RES-CHIP	100	5%	1/16W
R3317	1-218-937-11	RES-CHIP	47	5%	1/16W	R3670	1-218-941-81	RES-CHIP	100	5%	1/16W
R3319	1-208-671-11	METAL CHIP	330	0.50%	1/16W	R3674	1-218-941-81	RES-CHIP	100	5%	1/16W
R3321	1-208-635-11	METAL CHIP	10	0.50%	1/16W	R3675	1-218-941-81	RES-CHIP	100	5%	1/16W
R3322	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R3676	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3323	1-218-941-11	RES-CHIP	100	5%	1/16W	R3679	1-218-941-81	RES-CHIP	100	5%	1/16W
R3324	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R3680	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3325	1-218-941-11	RES-CHIP	100	5%	1/16W	R3700	1-218-935-11	RES-CHIP	33	5%	1/16W
R3326	1-218-953-11	RES-CHIP	1K	5%	1/16W	R3701	1-218-977-11	RES-CHIP	100K	5%	1/16W
R3340	1-218-929-11	RES-CHIP	10	5%	1/16W	R3750	1-208-675-11	METAL CHIP	470	0.50%	1/16W
R3341	1-218-929-11	RES-CHIP	10	5%	1/16W	R3751	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R3342	1-218-929-11	RES-CHIP	10	5%	1/16W	R3752	1-211-969-11	METAL CHIP	10	0.50%	1/10W
R3345	1-218-953-11	RES-CHIP	1K	5%	1/16W	R3754	1-208-927-11	METAL CHIP	47K	0.50%	1/16W
R3346	1-218-953-11	RES-CHIP	1K	5%	1/16W	R3755	1-208-905-11	METAL CHIP	5.6K	0.50%	1/16W
R3347	1-218-949-11	RES-CHIP	470	5%	1/16W	R3756	1-208-675-11	METAL CHIP	470	0.50%	1/16W
R3350	1-218-929-11	RES-CHIP	10	5%	1/16W	R3757	1-218-985-11	RES-CHIP	470K	5%	1/16W
R3351	1-218-929-11	RES-CHIP	10	5%	1/16W	R3758	1-208-677-11	METAL CHIP	560	0.50%	1/16W
R3356	1-208-893-11	METAL CHIP	1.8K	0.50%	1/16W	R3759	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R3369	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R3761	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R3371	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R3764	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R3372	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R3768	1-208-911-11	METAL CHIP	10K	0.50%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R3769	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R4518	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W
R3770	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R4519	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W
R3772	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R4520	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W
R3773	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R4521	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W
R3774	1-218-883-11	METAL CHIP	33K	0.50%	1/10W	R4522	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W
R3775	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R4525	1-218-941-81	RES-CHIP	100	5%	1/16W
R3777	1-218-941-11	RES-CHIP	100	5%	1/16W	R4528	1-218-941-81	RES-CHIP	100	5%	1/16W
R3778	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R4533	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W
R3779	1-208-927-11	METAL CHIP	47K	0.50%	1/16W	R4534	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W
R3780	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R4545	1-218-990-81	SHORT CHIP			
R3781	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R4557	1-218-990-81	SHORT CHIP			
R3782	1-208-927-11	METAL CHIP	47K	0.50%	1/16W	R4561	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3783	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R4574	1-208-699-11	METAL CHIP	4.7K	0.50%	1/16W
R3784	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R4577	1-218-990-81	SHORT CHIP			
R3785	1-218-990-81	SHORT CHIP				R4578	1-218-990-81	SHORT CHIP			
R3786	1-218-990-81	SHORT CHIP				R4584	1-218-937-11	RES-CHIP	47	5%	1/16W
R3787	1-218-941-81	RES-CHIP	100	5%	1/16W	R4585	1-218-937-11	RES-CHIP	47	5%	1/16W
R3788	1-218-990-81	SHORT CHIP				R4587	1-218-937-11	RES-CHIP	47	5%	1/16W
R3789	1-218-990-81	SHORT CHIP				R4588	1-218-937-11	RES-CHIP	47	5%	1/16W
R3790	1-218-941-81	RES-CHIP	100	5%	1/16W	R4589	1-218-937-11	RES-CHIP	47	5%	1/16W
R3791	1-218-990-81	SHORT CHIP				R4600	1-218-990-81	SHORT CHIP			
R3792	1-218-990-81	SHORT CHIP				R4601	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3794	1-218-985-11	RES-CHIP	470K	5%	1/16W	R4602	1-218-937-11	RES-CHIP	47	5%	1/16W
R3846	1-218-990-81	SHORT CHIP				R4603	1-218-937-11	RES-CHIP	47	5%	1/16W
R3847	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4605	1-218-990-81	SHORT CHIP			
R3848	1-208-715-11	METAL CHIP	22K	0.50%	1/16W	R4607	1-218-935-11	RES-CHIP	33	5%	1/16W
R3850	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4610	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3851	1-208-715-11	METAL CHIP	22K	0.50%	1/16W	R4611	1-218-933-11	RES-CHIP	22	5%	1/16W
R3852	1-218-973-11	RES-CHIP	47K	5%	1/16W	R4612	1-218-937-11	RES-CHIP	47	5%	1/16W
R3853	1-218-990-81	SHORT CHIP				R4613	1-218-937-11	RES-CHIP	47	5%	1/16W
R3858	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4615	1-218-937-11	RES-CHIP	47	5%	1/16W
R3860	1-218-970-11	RES-CHIP	27K	5%	1/16W	R4616	1-218-937-11	RES-CHIP	47	5%	1/16W
R3862	1-208-871-81	METAL CHIP	220	0.50%	1/16W	R4621	1-218-933-11	RES-CHIP	22	5%	1/16W
R3863	1-218-990-81	SHORT CHIP				R4622	1-218-929-11	RES-CHIP	10	5%	1/16W
R4503	1-218-929-11	RES-CHIP	10	5%	1/16W	R4623	1-218-990-81	SHORT CHIP			
R4504	1-218-929-11	RES-CHIP	10	5%	1/16W	R4626	1-218-933-11	RES-CHIP	22	5%	1/16W
R4507	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R4627	1-218-933-11	RES-CHIP	22	5%	1/16W
R4508	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R4628	1-218-929-11	RES-CHIP	10	5%	1/16W
R4510	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R4629	1-218-937-11	RES-CHIP	47	5%	1/16W
R4511	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R4630	1-218-929-11	RES-CHIP	10	5%	1/16W
R4513	1-218-941-81	RES-CHIP	100	5%	1/16W	R4631	1-218-929-11	RES-CHIP	10	5%	1/16W
R4514	1-218-941-81	RES-CHIP	100	5%	1/16W	R4632	1-218-929-11	RES-CHIP	10	5%	1/16W
R4515	1-218-941-81	RES-CHIP	100	5%	1/16W	R4633	1-218-929-11	RES-CHIP	10	5%	1/16W
R4516	1-218-941-81	RES-CHIP	100	5%	1/16W	R4634	1-218-929-11	RES-CHIP	10	5%	1/16W
R4517	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W	R4635	1-218-929-11	RES-CHIP	10	5%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R4636	1-218-929-11	RES-CHIP	10	5%	1/16W	R5109	1-218-969-11	RES-CHIP	22K	5%	1/16W
R4638	1-218-929-11	RES-CHIP	10	5%	1/16W	R5110	1-218-969-11	RES-CHIP	22K	5%	1/16W
R4639	1-218-929-11	RES-CHIP	10	5%	1/16W	R5114	1-218-990-81	SHORT CHIP			
R4640	1-218-929-11	RES-CHIP	10	5%	1/16W	R5116	1-218-973-11	RES-CHIP	47K	5%	1/16W
R4641	1-218-929-11	RES-CHIP	10	5%	1/16W	R5119	1-218-990-81	SHORT CHIP			
R4642	1-218-929-11	RES-CHIP	10	5%	1/16W	R5120	1-218-990-81	SHORT CHIP			
R4643	1-218-929-11	RES-CHIP	10	5%	1/16W	R5122	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4644	1-218-929-11	RES-CHIP	10	5%	1/16W	R5123	1-218-990-81	SHORT CHIP			
R4645	1-208-923-11	METAL CHIP	33K	0.50%	1/16W	R5126	1-218-990-81	SHORT CHIP			
R4646	1-208-923-11	METAL CHIP	33K	0.50%	1/16W	R5129	1-218-935-11	RES-CHIP	33	5%	1/16W
R4647	1-218-967-11	RES-CHIP	15K	5%	1/16W	R5130	1-208-677-11	METAL CHIP	560	0.50%	1/16W
R4648	1-218-967-11	RES-CHIP	15K	5%	1/16W	R5132	1-218-935-11	RES-CHIP	33	5%	1/16W
R4649	1-218-929-11	RES-CHIP	10	5%	1/16W	R5137	1-218-990-81	SHORT CHIP			
R4650	1-218-929-11	RES-CHIP	10	5%	1/16W	R5138	1-218-990-81	SHORT CHIP			
R5003	1-218-990-81	SHORT CHIP				R5140	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5004	1-218-990-81	SHORT CHIP				R5144	1-218-937-11	RES-CHIP	47	5%	1/16W
R5005	1-218-933-11	RES-CHIP	22	5%	1/16W	R5145	1-218-937-11	RES-CHIP	47	5%	1/16W
R5006	1-218-941-81	RES-CHIP	100	5%	1/16W	R5149	1-218-990-81	SHORT CHIP			
R5007	1-218-941-81	RES-CHIP	100	5%	1/16W	R5155	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5008	1-218-933-11	RES-CHIP	22	5%	1/16W	R5156	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5009	1-218-933-11	RES-CHIP	22	5%	1/16W	R5157	1-218-937-11	RES-CHIP	47	5%	1/16W
R5010	1-218-990-81	SHORT CHIP				R5158	1-218-937-11	RES-CHIP	47	5%	1/16W
R5013	1-218-937-11	RES-CHIP	47	5%	1/16W	R5159	1-218-937-11	RES-CHIP	47	5%	1/16W
R5014	1-218-937-11	RES-CHIP	47	5%	1/16W	R5160	1-218-937-11	RES-CHIP	47	5%	1/16W
R5016	1-218-969-11	RES-CHIP	22K	5%	1/16W	R5164	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5017	1-218-985-11	RES-CHIP	470K	5%	1/16W	R5165	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5018	1-218-933-11	RES-CHIP	22	5%	1/16W	R5169	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R5019	1-218-945-11	RES-CHIP	220	5%	1/16W	R5170	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5021	1-218-945-11	RES-CHIP	220	5%	1/16W	R5171	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5022	1-218-947-11	RES-CHIP	330	5%	1/16W	R5172	1-218-969-11	RES-CHIP	22K	5%	1/16W
R5024	1-218-990-81	SHORT CHIP				R5173	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R5025	1-218-990-81	SHORT CHIP				R5174	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5026	1-208-893-11	METAL CHIP	1.8K	0.50%	1/16W	R5177	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5027	1-218-985-11	RES-CHIP	470K	5%	1/16W	R5179	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5032	1-218-990-81	SHORT CHIP				R5181	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5033	1-218-990-81	SHORT CHIP				R5182	1-218-929-11	RES-CHIP	10	5%	1/16W
R5034	1-218-990-81	SHORT CHIP				R5183	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5036	1-218-969-11	RES-CHIP	22K	5%	1/16W	R5184	1-218-990-81	SHORT CHIP			
R5038	1-208-695-11	METAL CHIP	3.3K	0.50%	1/16W	R5185	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5044	1-218-990-81	SHORT CHIP				R5188	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5045	1-218-990-81	SHORT CHIP				R5189	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5046	1-218-990-81	SHORT CHIP				R5190	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5047	1-218-990-81	SHORT CHIP				R5196	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5048	1-218-937-11	RES-CHIP	47	5%	1/16W	R5197	1-218-973-11	RES-CHIP	47K	5%	1/16W
R5108	1-218-969-11	RES-CHIP	22K	5%	1/16W	R5201	1-218-953-11	RES-CHIP	1K	5%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5202	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5310	1-218-933-11	RES-CHIP	22	5%	1/16W
R5204	1-218-935-11	RES-CHIP	33	5%	1/16W	R5311	1-218-933-11	RES-CHIP	22	5%	1/16W
R5205	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5312	1-218-933-11	RES-CHIP	22	5%	1/16W
R5206	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5313	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5207	1-218-945-11	RES-CHIP	220	5%	1/16W	R5315	1-218-933-11	RES-CHIP	22	5%	1/16W
R5209	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5316	1-218-933-11	RES-CHIP	22	5%	1/16W
R5215	1-218-969-11	RES-CHIP	22K	5%	1/16W	R5318	1-218-933-11	RES-CHIP	22	5%	1/16W
R5216	1-218-969-11	RES-CHIP	22K	5%	1/16W	R5319	1-218-933-11	RES-CHIP	22	5%	1/16W
R5217	1-218-969-11	RES-CHIP	22K	5%	1/16W	R5320	1-218-933-11	RES-CHIP	22	5%	1/16W
R5218	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5321	1-218-933-11	RES-CHIP	22	5%	1/16W
R5219	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5322	1-218-933-11	RES-CHIP	22	5%	1/16W
R5221	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5323	1-218-933-11	RES-CHIP	22	5%	1/16W
R5241	1-218-941-81	RES-CHIP	100	5%	1/16W	R5324	1-218-933-11	RES-CHIP	22	5%	1/16W
R5242	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5325	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R5243	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5326	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R5244	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5333	1-218-990-81	SHORT CHIP			
R5245	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5334	1-218-933-11	RES-CHIP	22	5%	1/16W
R5250	1-218-990-81	SHORT CHIP				R5335	1-218-933-11	RES-CHIP	22	5%	1/16W
R5252	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5336	1-218-933-11	RES-CHIP	22	5%	1/16W
R5253	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5337	1-218-933-11	RES-CHIP	22	5%	1/16W
R5255	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5340	1-218-933-11	RES-CHIP	22	5%	1/16W
R5256	1-218-990-81	SHORT CHIP				R5341	1-218-933-11	RES-CHIP	22	5%	1/16W
R5257	1-218-933-11	RES-CHIP	22	5%	1/16W	R5342	1-218-933-11	RES-CHIP	22	5%	1/16W
R5258	1-218-941-81	RES-CHIP	100	5%	1/16W	R5343	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R5259	1-218-955-11	RES-CHIP	1.5K	5%	1/16W	R5344	1-218-933-11	RES-CHIP	22	5%	1/16W
R5260	1-218-937-11	RES-CHIP	47	5%	1/16W	R5356	1-218-990-81	SHORT CHIP			
R5261	1-218-937-11	RES-CHIP	47	5%	1/16W	R5357	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R5262	1-208-715-11	METAL CHIP	22K	0.50%	1/16W	R7023	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R5263	1-218-965-11	RES-CHIP	10K	5%	1/16W	R7024	1-218-941-81	RES-CHIP	100	5%	1/16W
R5264	1-218-934-11	RES-CHIP	27	5%	1/16W	R7025	1-208-936-11	METAL CHIP	110K	0.50%	1/16W
R5265	1-218-934-11	RES-CHIP	27	5%	1/16W	R7026	1-208-935-11	METAL CHIP	100K	0.50%	1/16W
R5267	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R7027	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5268	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R7028	1-208-956-81	METAL CHIP	750K	0.50%	1/16W
R5269	1-208-671-11	METAL CHIP	330	0.50%	1/16W	R7030	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5270	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R7032	1-218-990-81	SHORT CHIP			
R5271	1-218-990-81	SHORT CHIP				R7034	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5300	1-218-933-11	RES-CHIP	22	5%	1/16W	R7035	1-208-695-11	METAL CHIP	3.3K	0.50%	1/16W
R5301	1-218-990-81	SHORT CHIP				R7036	1-218-982-11	RES-CHIP	270K	5%	1/16W
R5302	1-218-965-11	RES-CHIP	10K	5%	1/16W	R7037	1-208-687-11	METAL CHIP	1.5K	0.50%	1/16W
R5303	1-218-933-11	RES-CHIP	22	5%	1/16W	R7038	1-208-923-11	METAL CHIP	33K	0.50%	1/16W
R5304	1-218-933-11	RES-CHIP	22	5%	1/16W	R7039	1-208-715-11	METAL CHIP	22K	0.50%	1/16W
R5305	1-218-990-81	SHORT CHIP				R7040	1-208-715-11	METAL CHIP	22K	0.50%	1/16W
R5307	1-218-933-11	RES-CHIP	22	5%	1/16W	R7041	1-208-927-11	METAL CHIP	47K	0.50%	1/16W
R5308	1-218-933-11	RES-CHIP	22	5%	1/16W	R7042	1-218-982-11	RES-CHIP	270K	5%	1/16W
R5309	1-218-933-11	RES-CHIP	22	5%	1/16W	R7043	1-208-923-11	METAL CHIP	33K	0.50%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R7044	1-208-929-81	METAL CHIP	56K	0.50%	1/16W	R7318	1-220-803-81	RES-CHIP	4.7	5%	1/16W
R7045	1-208-923-11	METAL CHIP	33K	0.50%	1/16W	R7319	1-218-990-81	SHORT CHIP			
R7046	1-208-923-11	METAL CHIP	33K	0.50%	1/16W	R7320	1-218-941-81	RES-CHIP	100	5%	1/16W
R7047	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W	R7321	1-218-933-11	RES-CHIP	22	5%	1/16W
R7048	1-218-941-81	RES-CHIP	100	5%	1/16W	R7322	1-218-933-11	RES-CHIP	22	5%	1/16W
R7049	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W	R7323	1-218-933-11	RES-CHIP	22	5%	1/16W
R7050	1-218-941-81	RES-CHIP	100	5%	1/16W	R7324	1-218-933-11	RES-CHIP	22	5%	1/16W
R7051	1-218-941-81	RES-CHIP	100	5%	1/16W	R7325	1-218-933-11	RES-CHIP	22	5%	1/16W
R7052	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W	R7327	1-218-977-11	RES-CHIP	100K	5%	1/16W
R7053	1-218-941-81	RES-CHIP	100	5%	1/16W	R7328	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R7054	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W	R7329	1-218-967-11	RES-CHIP	15K	5%	1/16W
R7055	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R7330	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R7056	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R7331	1-218-967-11	RES-CHIP	15K	5%	1/16W
R7057	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R7332	1-218-967-11	RES-CHIP	15K	5%	1/16W
R7058	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R7333	1-218-967-11	RES-CHIP	15K	5%	1/16W
R7059	1-218-937-11	RES-CHIP	47	5%	1/16W	R7344	1-220-803-81	RES-CHIP	4.7	5%	1/16W
R7060	1-218-937-11	RES-CHIP	47	5%	1/16W	R7345	1-220-803-81	RES-CHIP	4.7	5%	1/16W
R7061	1-218-937-11	RES-CHIP	47	5%	1/16W	R7400	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R7062	1-218-937-11	RES-CHIP	47	5%	1/16W	R7401	1-208-855-81	METAL CHIP	47	0.50%	1/16W
R7063	1-218-990-81	SHORT CHIP				R7402	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R7064	1-218-990-81	SHORT CHIP				R7403	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R7065	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R7404	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R7066	1-208-709-11	METAL CHIP	12K	0.50%	1/16W	R7405	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R7067	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R7406	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R7068	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R7407	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R7069	1-216-295-91	SHORT CHIP				R7408	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R7070	1-216-295-91	SHORT CHIP				R7501	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R7071	1-220-802-11	RES-CHIP	3.3	5%	1/16W	R7506	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7072	1-220-802-11	RES-CHIP	3.3	5%	1/16W	R7507	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7073	1-220-802-11	RES-CHIP	3.3	5%	1/16W	R7508	1-218-977-11	RES-CHIP	100K	5%	1/16W
R7074	1-220-802-11	RES-CHIP	3.3	5%	1/16W	R7516	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7079	1-216-295-91	SHORT CHIP				R7517	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7080	1-216-295-91	SHORT CHIP				R7518	1-218-941-81	RES-CHIP	100	5%	1/16W
R7081	1-216-295-91	SHORT CHIP				R7519	1-218-941-81	RES-CHIP	100	5%	1/16W
R7082	1-216-295-91	SHORT CHIP				R7521	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7200	1-218-989-11	RES-CHIP	1M	5%	1/16W	R7526	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7307	1-218-965-11	RES-CHIP	10K	5%	1/16W	R7528	1-218-953-11	RES-CHIP	1K	5%	1/16W
R7308	1-218-941-81	RES-CHIP	100	5%	1/16W	R7529	1-218-985-11	RES-CHIP	470K	5%	1/16W
R7309	1-218-990-81	SHORT CHIP				R7532	1-218-990-81	SHORT CHIP			
R7310	1-218-941-81	RES-CHIP	100	5%	1/16W	R7533	1-242-967-81	RES-CHIP	1	5%	1/16W
R7311	1-218-941-81	RES-CHIP	100	5%	1/16W	R7535	1-218-990-81	SHORT CHIP			
R7314	1-218-990-81	SHORT CHIP				R7536	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7315	1-218-990-81	SHORT CHIP				R7538	1-218-990-81	SHORT CHIP			
R7316	1-218-990-81	SHORT CHIP				R7602	1-218-933-11	RES-CHIP	22	5%	1/16W
R7317	1-220-803-81	RES-CHIP	4.7	5%	1/16W	R7603	1-218-933-11	RES-CHIP	22	5%	1/16W

NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
<u>TUNER</u>						C6052	1-137-190-91	FILM	0.22 μ F	5%	50V
\triangle TU7800	8-597-611-00	TUNER, FSS BTF-CA411Z				C6055	1-126-933-11	ELECT	100 μ F	20%	16V
<u>VARISTOR</u>						C6056	1-126-947-11	ELECT	47 μ F	20%	35V
VD4501	1-805-774-21	VARISTOR, CHIP				C6057	1-126-933-11	ELECT	100 μ F	20%	16V
VD4502	1-805-774-21	VARISTOR, CHIP				C6060	1-126-933-11	ELECT	100 μ F	20%	16V
VD4503	1-805-774-21	VARISTOR, CHIP				C6065	1-128-548-11	ELECT	4700 μ F	20%	25V
VD4504	1-805-774-21	VARISTOR, CHIP				C6077	1-131-940-11	ELECT(BLOCK)	1200 μ F	20%	250V
VD4505	1-805-774-21	VARISTOR, CHIP				C6078	1-131-940-11	ELECT(BLOCK)	1200 μ F	20%	250V
VD4507	1-805-774-21	VARISTOR, CHIP				C6091	1-162-964-11	CERAMIC CHIP	0.001 μ F	10%	50V
<u>CRYSTAL</u>						C6092	1-162-964-11	CERAMIC CHIP	0.001 μ F	10%	50V
X3000	1-795-753-21	VIBRATOR, CERAMIC				C6100	1-162-970-11	CERAMIC CHIP	0.01 μ F	10%	25V
X3001	1-813-784-21	VIBRATOR, CRYSTAL				C6101	1-107-905-11	ELECT	4.7 μ F	20%	50V
X3002	1-813-113-11	VIBRATOR, CRYSTAL				C6102	1-107-910-11	ELECT	100 μ F	20%	50V
X3200	1-813-373-11	OSCILLATOR, CRYSTAL				C6103	1-162-970-11	CERAMIC CHIP	0.01 μ F	10%	25V
X3601	1-767-984-21	VIBRATOR, CRYSTAL				C6104	1-100-831-91	CERAMIC CHIP	0.001 μ F	2%	50V
X4500	1-795-502-21	VIBRATOR, CRYSTAL				C6105	1-107-906-11	ELECT	10 μ F	20%	50V
X5100	1-813-528-11	VIBRATOR, CRYSTAL 27MHZ				C6108	1-115-340-11	CERAMIC CHIP	0.22 μ F	10%	25V
X7200	1-813-946-21	VIBRATOR, CRYSTAL				C6109	1-107-888-11	ELECT	47 μ F	20%	25V
<u>G</u>						C6111	1-100-613-81	CERAMIC	470pF	5%	1KV
A-1244-397-A	G BOARD, COMPLETE					C6112	1-100-311-11	FILM	22000pF	3%	800V
	4-382-854-01	SCREW (M3X8), P, SW (+)				C6113	1-100-613-81	CERAMIC	470pF	5%	1KV
	4-382-854-01	SCREW (M3X8), P, SW (+)				C6116	1-163-021-91	CERAMIC CHIP	0.01 μ F	10%	50V
<u>CAPACITOR</u>						C6274	1-165-530-31	MYLAR	0.47 μ F	10	0V
C6002	1-161-964-91	CERAMIC	0.0047 μ F	250V		C6281	1-165-530-31	MYLAR	0.47 μ F	10	0V
C6003	1-161-964-91	CERAMIC	0.0047 μ F	250V		C6282	1-119-888-51	CERAMIC	2200pF	20%	250V
C6006	1-126-941-11	ELECT	470 μ F	20%	25V	C6283	1-119-888-51	CERAMIC	2200pF	20%	250V
C6007	1-137-852-31	ELECT	3300 μ F	20%	16V	C6286	1-165-530-31	MYLAR	0.47 μ F	10	0V
C6008	1-137-852-31	ELECT	3300 μ F	20%	16V	C6292	1-126-947-11	ELECT	47 μ F	20%	35V
C6009	1-162-966-11	CERAMIC CHIP	0.0022 μ F	10%	50V	C6300	1-161-964-91	CERAMIC	0.0047 μ F		250V
C6010	1-126-933-11	ELECT	100 μ F	20%	16V	C6301	1-161-964-91	CERAMIC	0.0047 μ F		250V
C6013	1-162-964-11	CERAMIC CHIP	0.001 μ F	10%	50V	C6303	1-107-662-11	ELECT	22 μ F	20%	350V
C6014	1-117-681-11	ELECT CHIP	100 μ F	20%	16V	C6304	1-107-826-11	CERAMIC CHIP	0.1 μ F	10%	16V
C6036	1-126-963-11	ELECT	4.7 μ F	20%	50V	C6306	1-107-902-11	ELECT	1 μ F	20%	50V
C6039	1-126-963-11	ELECT	4.7 μ F	20%	50V	C6307	1-107-903-11	ELECT	2.2 μ F	20%	50V
C6040	1-107-826-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6308	1-100-139-41	FILM	0.001 μ F	5%	630V
C6041	1-162-970-11	CERAMIC CHIP	0.01 μ F	10%	25V	C6311	1-162-964-11	CERAMIC CHIP	0.001 μ F	10%	50V
C6044	1-126-940-11	ELECT	330 μ F	20%	25V	C6312	1-165-729-31	ELECT	470 μ F	20%	16V
C6049	1-137-852-31	ELECT	3300 μ F	20%	16V	C6313	1-107-826-11	CERAMIC CHIP	0.1 μ F	10%	16V
						C6314	1-107-882-91	ELECT	100 μ F	20%	16V
						C6323	1-126-935-11	ELECT	470 μ F	20%	16V
						C6324	1-162-966-11	CERAMIC CHIP	0.0022 μ F	10%	50V
						C6501	1-126-935-11	ELECT	470 μ F	20%	16V
						C6800	1-126-935-11	ELECT	470 μ F	20%	16V
						C6801	1-126-935-11	ELECT	470 μ F	20%	16V
						C6802	1-128-992-21	ELECT CHIP	47 μ F	20%	25V

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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
IC6004	6-709-499-01	IC	RT9H301C-T112-1	Q6805	8-729-027-43	TRANSISTOR	DTC114EKA-T146
IC6007	8-759-640-19	IC	PQ1CG2032FZ	Q6806	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
\triangle IC6100	6-706-852-01	IC	CXD9841M	Q6807	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
\triangle IC6300	6-708-801-01	IC	MIP2H2	Q6808	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
\triangle IC6301	6-709-499-01	IC	RT9H301C-T112-1	Q6809	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
IC6800	6-708-659-01	IC	BA00BC0WT-V5	Q6810	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
IC6801	6-708-659-01	IC	BA00BC0WT-V5	Q6811	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
IC6802	6-706-740-01	IC	BA00BC0WFP-E2	Q6812	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
IC6803	6-706-740-01	IC	BA00BC0WFP-E2	Q6813	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
				Q6814	8-729-027-43	TRANSISTOR	DTC114EKA-T146
COIL				RESISTOR			
L6000	1-406-659-11	INDUCTOR	10 μ H	R6001	1-218-865-11	METAL CHIP	5.6K 0.50% 1/10W
L6001	1-406-665-11	INDUCTOR	100 μ H	R6006	1-218-871-11	METAL CHIP	10K 0.50% 1/10W
L6002	1-412-521-31	INDUCTOR	4.7 μ H	R6008	1-218-871-11	METAL CHIP	10K 0.50% 1/10W
L6003	1-406-664-21	INDUCTOR	68 μ H	R6010	1-249-385-11	CARBON	2.2 5% 1/4W
L6004	1-406-657-11	INDUCTOR	4.7 μ H	R6012	1-218-859-11	METAL CHIP	3.3K 0.50% 1/10W
L6010	1-412-521-31	INDUCTOR	4.7 μ H	R6056	1-216-821-11	METAL CHIP	1K 5% 1/10W
L6011	1-456-859-21	LINE FILTER COIL		R6059	1-216-864-11	SHORT CHIP	
L6012	1-456-859-21	LINE FILTER COIL		R6060	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
L6015	1-406-657-11	INDUCTOR	4.7 μ H	R6061	1-216-833-11	METAL CHIP	10K 5% 1/10W
L6016	1-412-525-31	INDUCTOR	10 μ H	R6062	1-216-833-11	METAL CHIP	10K 5% 1/10W
L6017	6-500-567-31	DIODE	10ERB20-TB3	R6063	1-216-821-11	METAL CHIP	1K 5% 1/10W
L6300	1-414-934-21	INDUCTOR	10 μ H	R6064	1-216-821-11	METAL CHIP	1K 5% 1/10W
L6800	1-416-511-11	INDUCTOR	47 μ H	R6065	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R6068	1-216-864-11	SHORT CHIP	
				R6070	1-216-833-11	METAL CHIP	10K 5% 1/10W
PHOTO COUPLER							
PH6001	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	R6072	1-218-861-11	METAL CHIP	3.9K 0.50% 1/10W
PH6002	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	R6073	1-216-821-11	METAL CHIP	1K 5% 1/10W
PH6003	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	R6074	1-218-849-11	METAL CHIP	1.2K 0.50% 1/10W
PH6300	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	R6076	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
				R6077	1-218-760-11	METAL CHIP	220K 0.50% 1/10W
				R6078	1-218-871-11	METAL CHIP	10K 0.50% 1/10W
				R6079	1-218-847-11	METAL CHIP	1K 0.50% 1/10W
				R6080	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
				R6086	1-216-350-11	METAL OXIDE	1.2 5% 1W
				R6098	1-220-340-11	METAL CHIP	470K 5% 1/2W
				R6099	1-220-340-11	METAL CHIP	470K 5% 1/2W
				\triangle R6102	1-202-933-61	FUSIBLE	0.1 10% 1/2W
				R6103	1-218-823-11	METAL CHIP	100 0.50% 1/10W
				R6104	1-218-875-11	METAL CHIP	15K 0.50% 1/10W
				R6105	1-218-760-11	METAL CHIP	220K 0.50% 1/10W
				R6106	1-218-760-11	METAL CHIP	220K 0.50% 1/10W
				R6107	1-208-836-11	METAL CHIP	180K 0.50% 1/10W
Q6003	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF				
Q6004	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF				
Q6007	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF				
\triangle Q6100	6-551-386-01	TRANSISTOR	2SK3563(LBS1SONY)				
\triangle Q6101	6-551-386-01	TRANSISTOR	2SK3563(LBS1SONY)				
Q6800	8-729-027-43	TRANSISTOR	DTC114EKA-T146				
Q6801	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF				
Q6802	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF				
Q6803	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF				
Q6804	8-729-027-43	TRANSISTOR	DTC114EKA-T146				

NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.

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REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R6108	1-208-836-11	METAL CHIP	180K	0.50%	1/10W	R6818	1-218-887-11	METAL CHIP	47K	0.50%	1/10W
R6109	1-208-836-11	METAL CHIP	180K	0.50%	1/10W	R6819	1-414-760-21	FERRITE	0 μ H		
R6110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R6820	1-414-760-21	FERRITE	0 μ H		
R6111	1-218-877-11	METAL CHIP	18K	0.50%	1/10W	R6821	1-414-760-21	FERRITE	0 μ H		
R6114	1-218-823-11	METAL CHIP	100	0.50%	1/10W	R6822	1-414-760-21	FERRITE	0 μ H		
R6115	1-212-897-00	FUSIBLE	470	5%	1/4W	R6824	1-216-833-11	METAL CHIP	10K	5%	1/10W
\triangle R6116	1-249-397-11	CARBON	22	5%	1/4W	R6827	1-414-760-21	FERRITE	0 μ H		
R6117	1-249-397-11	CARBON	22	5%	1/4W	R6828	1-414-760-21	FERRITE	0 μ H		
R6118	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6829	1-414-760-21	FERRITE	0 μ H		
R6119	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6830	1-216-814-11	METAL CHIP	270	5%	1/10W
R6122	1-216-341-11	METAL OXIDE	0.22	5%	1W	R6833	1-218-895-11	METAL CHIP	100K	0.50%	1/10W
R6127	1-216-857-11	METAL CHIP	1M	5%	1/10W	R6834	1-218-897-11	METAL CHIP	120K	0.50%	1/10W
R6249	1-219-759-11	METAL	1M	5%	1/2W	R6835	1-218-895-11	METAL CHIP	100K	0.50%	1/10W
\triangle R6259	1-244-207-11	WIREWOUND	3.3	5%	10W	R6836	1-218-897-11	METAL CHIP	120K	0.50%	1/10W
R6261	1-249-417-11	CARBON	1K	5%	1/4W	R6837	1-218-895-11	METAL CHIP	100K	0.50%	1/10W
R6262	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6838	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6263	1-249-389-11	CARBON	4.7	5%	1/4W	R6839	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6267	1-216-841-11	METAL CHIP	47K	5%	1/10W	R6840	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6268	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6841	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6273	1-249-389-11	CARBON	4.7	5%	1/4W	R6843	1-216-833-11	METAL CHIP	10K	5%	1/10W
\triangle R6300	1-249-381-11	CARBON	1	5%	1/4W	R6845	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6301	1-243-725-71	METAL OXIDE	100K	5%	1W	R6846	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6302	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R6847	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6303	1-249-387-11	CARBON	3.3	5%	1/4W	R6848	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6304	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6849	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6305	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R6850	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6306	1-216-805-11	METAL CHIP	47	5%	1/10W	R6853	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6308	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R6854	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6309	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R6855	1-218-903-11	METAL CHIP	220K	0.50%	1/10W
R6500	1-220-926-81	FUSIBLE	0.47	10%	1/2W	R6856	1-216-797-11	METAL CHIP	10	5%	1/10W
R6800	1-400-808-21	FERRITE	0 μ H			R6857	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6801	1-216-864-11	SHORT CHIP				R6858	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6802	1-216-814-11	METAL CHIP	270	5%	1/10W	R6860	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6804	1-216-864-11	SHORT CHIP				R6862	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6805	1-414-760-21	FERRITE	0 μ H			R6863	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6806	1-414-760-21	FERRITE	0 μ H			R6864	1-218-899-11	METAL CHIP	150K	0.50%	1/16W
R6808	1-218-903-11	METAL CHIP	220K	0.50%	1/10W	R6865	1-414-760-21	FERRITE	0 μ H		
R6809	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R6866	1-414-760-21	FERRITE	0 μ H		
R6811	1-218-903-11	METAL CHIP	220K	0.50%	1/10W	R6867	1-414-760-21	FERRITE	0 μ H		
R6812	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R6868	1-414-760-21	FERRITE	0 μ H		
R6814	1-218-903-11	METAL CHIP	220K	0.50%	1/10W	R6869	1-414-760-21	FERRITE	0 μ H		
R6815	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R6870	1-414-760-21	FERRITE	0 μ H		
R6817	1-218-903-11	METAL CHIP	220K	0.50%	1/10W	R6871	1-414-760-21	FERRITE	0 μ H		
						R6872	1-414-760-21	FERRITE	0 μ H		
						R6873	1-414-760-21	FERRITE	0 μ H		



REF. NO.	PART NO.	DESCRIPTION	VALUES
R6874	1-414-760-21	FERRITE	0μH
R6875	1-414-760-21	FERRITE	0μH
R6876	1-216-797-11	METAL CHIP	10 5% 1/10W
R6878	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6879	1-414-760-21	FERRITE	0μH
R6880	1-414-760-21	FERRITE	0μH
R6881	1-216-864-11	SHORT CHIP	
R6882	1-216-864-11	SHORT CHIP	
R6883	1-216-845-11	METAL CHIP	100K 5% 1/10W
R6884	1-218-895-11	METAL CHIP	100K 0.50% 1/10W
R6885	1-216-797-11	METAL CHIP	10 5% 1/10W
R6886	1-216-864-11	SHORT CHIP	
R6887	1-216-837-11	METAL CHIP	22K 5% 1/10W
R6888	1-216-839-11	METAL CHIP	33K 5% 1/10W
R6920	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6922	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6990	1-414-760-21	FERRITE	0μH
R6991	1-414-760-21	FERRITE	0μH
R6992	1-414-760-21	FERRITE	0μH
<u>RELAY</u>			
RY6001	1-755-388-11	RELAY (AC POWER)	
RY6002	1-755-388-11	RELAY (AC POWER)	
<u>SPARK GAP</u>			
SG6000	1-576-487-21	ELEMENT, SPARK	
<u>TRANSFORMER</u>			
T6300	1-445-089-11	CONVERTER TRANSFORMER (SBT)	
T6301	1-445-210-11	CONVERTER TRANSFORMER (PIT)	
<u>THERMISTOR</u>			
TH6300	1-803-586-41	THERMISTOR	
<u>VARISTOR</u>			
VD6000	1-804-996-21	VARISTOR	
VD6001	1-804-991-21	VARISTOR	
VD6003	1-804-991-21	VARISTOR	



A-1224-611-A HAM BOARD, MOUNTED

CAPACITOR

C100	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V
C112	1-162-974-11	CERAMIC CHIP	0.01μF		50V

CONNECTOR

CN100	1-819-465-11	HEADER ASSEMBLY FOR PWB			
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RESISTOR

R100	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R101	1-218-839-11	METAL CHIP	470	0.50%	1/10W
R102	1-218-846-11	METAL CHIP	910	0.50%	1/10W
R103	1-218-853-11	METAL CHIP	1.8K	0.50%	1/10W
R104	1-218-861-11	METAL CHIP	3.9K	0.50%	1/10W

SWITCH

S100	1-692-431-21	SWITCH, TACTILE			
S101	1-692-431-21	SWITCH, TACTILE			
S102	1-692-431-21	SWITCH, TACTILE			
S103	1-692-431-21	SWITCH, TACTILE			
S104	1-692-431-21	SWITCH, TACTILE			
S105	1-692-431-21	SWITCH, TACTILE			
S110	1-692-431-21	SWITCH, TACTILE			



A-1224-612-A HB BOARD, MOUNTED

CAPACITOR

C110	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C111	1-128-991-21	ELECT CHIP	10μF	20%	50V
C113	1-162-974-11	CERAMIC CHIP	0.01μF		50V
C118	1-162-974-11	CERAMIC CHIP	0.01μF		50V
C119	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C120	1-162-974-11	CERAMIC CHIP	0.01μF		50V
C121	1-162-974-11	CERAMIC CHIP	0.01μF		50V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
DIODE					DIODE						
D113	6-500-861-01	DIODE	SML-020MVT-T86			D183	8-719-083-58	DIODE	UDZSTE-173.9B		
D114	8-719-064-07	DIODE	SML-310LTT86			D186	8-719-069-55	DIODE	UDZSTE-175.6B		
D115	6-500-861-01	DIODE	SML-020MVT-T86			IC					
IC					IC						
IC111	6-703-744-01	IC	GP1UE26SXKOF			IC180	6-710-443-01	IC	LM75AD		
TRANSISTOR					JACK						
Q110	8-729-027-43	TRANSISTOR	DTC114EKA-T146			J180	1-819-355-21	PHONO JACK	3P		
Q111	8-729-027-43	TRANSISTOR	DTC114EKA-T146			J181	1-821-095-11	PHONO JACK	3P		
Q112	8-729-027-43	TRANSISTOR	DTC114EKA-T146			RESISTOR					
Q113	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R180	1-216-849-11	METAL CHIP	220K	5%	1/10W
RESISTOR					R181	1-216-849-11	METAL CHIP	220K	5%	1/10W	
R110	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R182	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R113	1-216-805-11	METAL CHIP	47	5%	1/10W	R183	1-216-821-11	METAL CHIP	1K	5%	1/10W
R114	1-216-864-11	SHORT CHIP				R184	1-216-821-11	METAL CHIP	1K	5%	1/10W
R124	1-216-813-11	METAL CHIP	220	5%	1/10W	R186	1-216-864-11	SHORT CHIP			
R125	1-216-813-11	METAL CHIP	220	5%	1/10W	R187	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R128	1-216-813-11	METAL CHIP	220	5%	1/10W	R188	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R133	1-218-839-11	METAL CHIP	470	0.50%	1/10W	R190	1-216-801-11	METAL CHIP	22	5%	1/10W
R137	1-218-839-11	METAL CHIP	470	0.50%	1/10W	R191	1-216-801-11	METAL CHIP	22	5%	1/10W
HCM BOARD, MOUNTED					R193	1-216-833-11	METAL CHIP	10K	5%	1/10W	
HCM					R194	1-216-833-11	METAL CHIP	10K	5%	1/10W	
A-1224-613-A					R195	1-216-864-11	SHORT CHIP				
CAPACITOR					R205	1-216-864-11	SHORT CHIP				
C181	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	VARISTOR					
C182	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	VD180	1-802-083-11	VARISTOR	(SMD)		
C183	1-124-779-00	ELECT CHIP	10µF	20%	16V	VD181	1-802-083-11	VARISTOR	(SMD)		
C184	1-124-779-00	ELECT CHIP	10µF	20%	16V	VD182	1-802-083-11	VARISTOR	(SMD)		
C185	1-164-156-11	CERAMIC CHIP	0.1µF		25V	VD183	1-802-083-11	VARISTOR	(SMD)		
C186	1-165-908-11	CERAMIC CHIP	1µF	10%	10V	VD184	1-802-083-11	VARISTOR	(SMD)		
C187	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V	VD186	1-802-083-11	VARISTOR	(SMD)		
C188	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V	VD187	1-802-083-11	VARISTOR	(SMD)		
CONNECTOR					VD188	1-802-083-11	VARISTOR	(SMD)			
* CN180	1-820-189-11	HEADER ASSEMBLY (PRINT PWB)			12P						
CN181	1-820-185-11	HEADER ASSEMBLY (PRINT PWB)									



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2077	1-126-396-11	ELECT CHIP	47μF	20%	16V	C2139	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V
C2078	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V	C2145	1-100-591-91	CERAMIC CHIP	1μF	10%	25V
C2081	1-162-959-11	CERAMIC CHIP	330pF	5%	50V	C2146	1-100-591-91	CERAMIC CHIP	1μF	10%	25V
C2084	1-162-959-11	CERAMIC CHIP	330pF	5%	50V	C2157	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V
C2085	1-126-396-11	ELECT CHIP	47μF	20%	16V	C2158	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V
C2086	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C2159	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C2090	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2162	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V
C2091	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V	C2163	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V
C2092	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V	C2164	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V
C2094	1-162-959-11	CERAMIC CHIP	330pF	5%	50V	C2165	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V
C2095	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2168	1-162-979-11	CERAMIC CHIP	0.0027μF	10%	50V
C2096	1-162-959-11	CERAMIC CHIP	330pF	5%	50V	C2169	1-162-979-11	CERAMIC CHIP	0.0027μF	10%	50V
C2097	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2170	1-162-979-11	CERAMIC CHIP	0.0027μF	10%	50V
C2098	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2171	1-162-979-11	CERAMIC CHIP	0.0027μF	10%	50V
C2100	1-135-366-11	ELECT CHIP	100μF	20%	16V	C2500	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C2101	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C2501	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C2102	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C2502	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C2103	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	C2503	1-126-193-11	ELECT CHIP	1μF	20%	50V
C2104	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	C2504	1-126-193-11	ELECT CHIP	1μF	20%	50V
C2105	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	C2505	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C2106	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	C2506	1-126-193-11	ELECT CHIP	1μF	20%	50V
C2111	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2507	1-126-193-11	ELECT CHIP	1μF	20%	50V
C2112	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	C2508	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C2113	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C2509	1-126-193-11	ELECT CHIP	1μF	20%	50V
C2114	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	C2510	1-126-193-11	ELECT CHIP	1μF	20%	50V
C2115	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2511	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C2116	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2512	1-126-193-11	ELECT CHIP	1μF	20%	50V
C2117	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C2513	1-126-193-11	ELECT CHIP	1μF	20%	50V
C2118	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C2514	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C2119	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2515	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C2120	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2516	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C2121	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C2517	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C2122	1-112-797-11	ELECT CHIP	470μF	20%	25V	C2518	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C2123	1-135-349-21	ELECT CHIP	22μF	20%	20V	C2519	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C2124	1-135-349-21	ELECT CHIP	22μF	20%	20V	C2520	1-126-193-11	ELECT CHIP	1μF	20%	50V
C2125	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2521	1-126-193-11	ELECT CHIP	1μF	20%	50V
C2126	1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C2522	1-117-681-11	ELECT CHIP	100μF	20%	16V
C2127	1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C2524	1-107-820-11	CERAMIC CHIP	0.1μF		16V
C2128	1-135-349-21	ELECT CHIP	22μF	20%	20V	C2525	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C2129	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2526	1-127-931-21	ELECT CHIP	470μF	20%	16V
C2132	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2527	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C2133	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2528	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C2136	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2529	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C2137	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V						
C2138	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V						



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2096	1-218-971-11	RES-CHIP	33K	5%	1/16W	R2157	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R2097	1-218-971-11	RES-CHIP	33K	5%	1/16W	R2158	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R2098	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2161	1-218-990-81	SHORT CHIP			
R2099	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2162	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2100	1-218-971-11	RES-CHIP	33K	5%	1/16W	R2163	1-218-973-11	RES-CHIP	47K	5%	1/16W
R2101	1-218-971-11	RES-CHIP	33K	5%	1/16W	R2177	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2104	1-218-971-11	RES-CHIP	33K	5%	1/16W	R2178	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2105	1-218-971-11	RES-CHIP	33K	5%	1/16W	R2198	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R2106	1-218-971-11	RES-CHIP	33K	5%	1/16W	R2199	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2107	1-218-971-11	RES-CHIP	33K	5%	1/16W	R2204	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2108	1-218-971-11	RES-CHIP	33K	5%	1/16W	R2205	1-218-973-11	RES-CHIP	47K	5%	1/16W
R2109	1-218-971-11	RES-CHIP	33K	5%	1/16W	R2210	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W
R2110	1-208-905-11	METAL CHIP	5.6K	0.50%	1/16W	R2211	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W
R2111	1-208-905-11	METAL CHIP	5.6K	0.50%	1/16W	R2212	1-208-711-11	METAL CHIP	15K	0.50%	1/16W
R2112	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2213	1-208-711-11	METAL CHIP	15K	0.50%	1/16W
R2113	1-218-974-11	RES-CHIP	56K	5%	1/16W	R2500	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2114	1-216-864-11	SHORT CHIP				R2501	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2116	1-216-864-11	SHORT CHIP				R2502	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2117	1-208-687-11	METAL CHIP	1.5K	0.50%	1/16W	R2503	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2118	1-208-687-11	METAL CHIP	1.5K	0.50%	1/16W	R2504	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2120	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2505	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2121	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2506	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2122	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2507	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2125	1-218-990-81	SHORT CHIP				R2508	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2126	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2509	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2129	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2511	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2130	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W	R2512	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2131	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W	R2513	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2133	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2514	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2138	1-218-985-11	RES-CHIP	470K	5%	1/16W	R2515	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2139	1-218-985-11	RES-CHIP	470K	5%	1/16W	R2516	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2141	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R2517	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2142	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R2520	1-218-678-11	METAL CHIP	270	0.50%	1/10W
R2143	1-208-905-11	METAL CHIP	5.6K	0.50%	1/16W	R2521	1-218-678-11	METAL CHIP	270	0.50%	1/10W
R2145	1-208-905-11	METAL CHIP	5.6K	0.50%	1/16W	R2522	1-218-678-11	METAL CHIP	270	0.50%	1/10W
R2147	1-218-953-11	RES-CHIP	1K	5%	1/16W	R2523	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2148	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2524	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2149	1-218-969-11	RES-CHIP	22K	5%	1/16W	R2525	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2150	1-218-969-11	RES-CHIP	22K	5%	1/16W	R2526	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2151	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2527	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2154	1-218-990-81	SHORT CHIP				R2528	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2155	1-218-990-81	SHORT CHIP				R2529	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R2156	1-218-990-81	SHORT CHIP				R2530	1-218-831-11	METAL CHIP	220	0.50%	1/10W
						R2531	1-218-831-11	METAL CHIP	220	0.50%	1/10W
						R2532	1-216-853-11	METAL CHIP	470K	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2533	1-216-853-11	METAL CHIP	470K	5%	1/10W	R2584	1-218-989-11	RES-CHIP	1M	5%	1/16W
R2534	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2585	1-218-953-11	RES-CHIP	1K	5%	1/16W
R2535	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2586	1-218-941-81	RES-CHIP	100	5%	1/16W
R2536	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2587	1-218-941-81	RES-CHIP	100	5%	1/16W
R2537	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2588	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R2538	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2589	1-218-941-81	RES-CHIP	100	5%	1/16W
R2539	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2590	1-218-941-81	RES-CHIP	100	5%	1/16W
R2540	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2591	1-218-941-81	RES-CHIP	100	5%	1/16W
R2541	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2592	1-218-941-81	RES-CHIP	100	5%	1/16W
R2542	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2593	1-218-941-81	RES-CHIP	100	5%	1/16W
R2543	1-216-853-11	METAL CHIP	470K	5%	1/10W	R2594	1-220-804-11	RES-CHIP	2.2M	5%	1/16W
R2544	1-216-853-11	METAL CHIP	470K	5%	1/10W	R2595	1-218-941-81	RES-CHIP	100	5%	1/16W
R2545	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2596	1-218-941-81	RES-CHIP	100	5%	1/16W
R2546	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2597	1-218-941-81	RES-CHIP	100	5%	1/16W
R2547	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2598	1-218-941-81	RES-CHIP	100	5%	1/16W
R2548	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2599	1-218-941-81	RES-CHIP	100	5%	1/16W
R2549	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2600	1-220-804-11	RES-CHIP	2.2M	5%	1/16W
R2550	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R2601	1-220-804-11	RES-CHIP	2.2M	5%	1/16W
R2551	1-216-853-11	METAL CHIP	470K	5%	1/10W	R2602	1-218-941-81	RES-CHIP	100	5%	1/16W
R2552	1-216-853-11	METAL CHIP	470K	5%	1/10W	R2603	1-218-941-81	RES-CHIP	100	5%	1/16W
R2553	1-208-643-11	METAL CHIP	22	0.50%	1/16W	R2604	1-218-941-81	RES-CHIP	100	5%	1/16W
R2554	1-218-949-11	RES-CHIP	470	5%	1/16W	R2607	1-218-990-81	SHORT CHIP			
R2556	1-208-643-11	METAL CHIP	22	0.50%	1/16W	R2608	1-218-990-81	SHORT CHIP			
R2557	1-218-941-81	RES-CHIP	100	5%	1/16W	R2609	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2558	1-218-945-11	RES-CHIP	220	5%	1/16W	R2624	1-218-941-81	RES-CHIP	100	5%	1/16W
R2559	1-216-864-11	SHORT CHIP				R2626	1-218-941-81	RES-CHIP	100	5%	1/16W
R2560	1-218-941-81	RES-CHIP	100	5%	1/16W	R2628	1-216-864-11	SHORT CHIP			
R2561	1-208-643-11	METAL CHIP	22	0.50%	1/16W	R2629	1-216-864-11	SHORT CHIP			
R2562	1-218-945-11	RES-CHIP	220	5%	1/16W	R2630	1-216-864-11	SHORT CHIP			
R2563	1-216-864-11	SHORT CHIP				R2631	1-216-864-11	SHORT CHIP			
R2564	1-218-990-81	SHORT CHIP				R2636	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2565	1-218-949-11	RES-CHIP	470	5%	1/16W	R2637	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2566	1-218-941-11	RES-CHIP	100	5%	1/16W	R2638	1-218-990-81	SHORT CHIP			
R2567	1-208-675-11	METAL CHIP	470	0.50%	1/16W	R2639	1-218-990-81	SHORT CHIP			
R2568	1-218-941-81	RES-CHIP	100	5%	1/16W	R2640	1-218-990-81	SHORT CHIP			
R2569	1-218-949-11	RES-CHIP	470	5%	1/16W	R2641	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2575	1-218-941-81	RES-CHIP	100	5%	1/16W	R2642	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2576	1-218-941-81	RES-CHIP	100	5%	1/16W	R2643	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2577	1-218-953-11	RES-CHIP	1K	5%	1/16W	R2644	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2578	1-218-989-11	RES-CHIP	1M	5%	1/16W	R2645	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2579	1-218-933-11	RES-CHIP	22	5%	1/16W	R2646	1-218-941-81	RES-CHIP	100	5%	1/16W
R2580	1-218-933-11	RES-CHIP	22	5%	1/16W	R2647	1-218-941-81	RES-CHIP	100	5%	1/16W
R2581	1-218-941-81	RES-CHIP	100	5%	1/16W	R2648	1-218-941-81	RES-CHIP	100	5%	1/16W
R2582	1-216-864-11	SHORT CHIP				R2649	1-218-949-11	RES-CHIP	470	5%	1/16W
R2583	1-216-864-11	SHORT CHIP									

NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.






REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
R2651	1-218-949-11	RES-CHIP	470 5% 1/16W	ACCESSORIES AND PACKING			
R2652	1-218-949-11	RES-CHIP	470 5% 1/16W		7-600-018-07	ADHESIVE (ALTECO Z-84) 20G	
				*	2-897-615-01	BAG, PROTECTION	
				*	2-897-614-01	CARTON, INDIVIDUAL	
				\triangle	1-827-159-21	CORD, AC POWER(WITH CONNECTOR)	
				*	2-896-028-01	CUSHION, LOWER	
				*	2-896-027-01	CUSHION, UPPER	
					3-100-645-11	GUIDE, QUICK SETUP (ENGLISH VERSION)	
					3-100-645-21	GUIDE, QUICK SETUP (FRENCH VERSION)	
					3-100-645-31	GUIDE, QUICK SETUP (SPANISH VERSION)	
					3-100-639-11	MANUAL, INSTRUCTION (ENGLISH VERSION)	
					3-100-639-21	MANUAL, INSTRUCTION (FRENCH VERSION)	
					3-100-639-31	MANUAL, INSTRUCTION (SPANISH VERSION)	
				REMOTE COMMANDER			
					1-480-166-11	REMOTE COMMANDER (RM-YD014)	
				RESISTOR BRIDGE			
RB2000	1-234-378-21	RES, NETWORK 10K	(1005X4)				
RB2001	1-234-381-21	RES, NETWORK 100K	(1005X4)				
				TRANSFORMER			
* TB2500	1-780-534-11	S CONNECTOR BLOCK					
TB2501	1-780-373-11	TERMINAL BOARD					
				VARISTOR			
VD2503	1-802-083-11	VARISTOR	(SMD)				
VD2504	1-802-083-11	VARISTOR	(SMD)				
VD2507	1-802-083-11	VARISTOR	(SMD)				
VD2508	1-802-083-11	VARISTOR	(SMD)				
VD2512	1-802-083-11	VARISTOR	(SMD)				
VD2513	1-802-083-11	VARISTOR	(SMD)				
VD2517	1-802-083-11	VARISTOR	(SMD)				
VD2518	1-802-083-11	VARISTOR	(SMD)				
VD2519	1-802-083-11	VARISTOR	(SMD)				
VD2520	1-802-083-11	VARISTOR	(SMD)				
VD2521	1-802-083-11	VARISTOR	(SMD)				
VD2522	1-802-083-11	VARISTOR	(SMD)				
VD2523	1-802-083-11	VARISTOR	(SMD)				
VD2524	1-802-083-11	VARISTOR	(SMD)				
VD2525	1-802-083-11	VARISTOR	(SMD)				
VD2526	1-802-083-11	VARISTOR	(SMD)				
VD2527	1-802-083-11	VARISTOR	(SMD)				
VD2528	1-802-083-11	VARISTOR	(SMD)				
				CRYSTAL			
X2001	1-795-501-21	VIBRATOR, CRYSTAL					
X2500	1-813-124-21	VIBRATOR, CERAMIC					

APPENDIX A: ENCRYPTION KEY COMPONENTS

Encryption key components developed by Sony Corporation contain confidential information, and shall be handled under the non-disclosure obligations provided in the applicable agreement with Sony Corporation (and/or its subsidiary).

As part of this agreement specific instructions must be adhered to whenever a Circuit Board containing encryption key components is repaired and/or replaced pursuant to the following:

- 1) In the service manual, Circuit Boards containing encryption key components shall be identified with a **red outline and a **.
- 2) Only repair boards or components listed in the service manual shall be utilized for replacement and/or repair.
- 3) Disassembly, decryption, or reverse-engineering component(s) is strictly prohibited.
- 4) Any board in which the Servicer replaces an encryption key component must be placed back into the set it originally came from and the replaced defective component **MUST BE DESTROYED**. Boards cannot be swapped.
- 5) If a Circuit Board identified with a **red outline and a ** in the service manual is deemed to be defective:
 - a) and if a core charge is imposed and is covered under the product warranty, the defective un-repaired or modified board **MUST BE RETURNED** to Sony.
 - b) and if the core charge is **NOT** covered under the product warranty, the defective un-repaired or modified board **MUST BE DESTROYED**.
- 5) If a unit is destroyed (such as field scrap), the Circuit Board identified with a **red outline and a ** in the service manual **MUST BE DESTROYED**.

APPENDIX A: REPLACING THE LAMP

The following instructions are from the Operating Instructions manual for this model.

Replacing the Lamp

The projection lamp, like all lamps, will eventually lose brightness and functionality, which affects the overall performance of your TV. How long the lamp maintains its brightness will vary depending upon your usage and environmental conditions. To maintain the quality of your viewing experience, Sony recommends that you replace the lamp (1) after approximately 8,000 hours of use; (2) when the screen becomes dark or the color looks unusual; (3) when the LAMP LED on the front of the TV blinks; or (4) when the lamp replacement message appears on the TV screen.

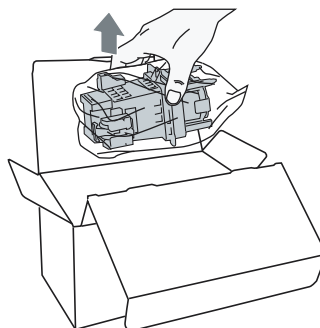
WARNING

Electric appliances can cause fire or high temperature, resulting in injury or death. Be sure to follow the instructions below.

- Use a Sony XL-2500 replacement lamp (not supplied) for replacement. Use of any other lamp may damage the TV.
- Do not remove the lamp for any purpose other than replacement. Doing so may cause injury or fire.
- Do not put flammable materials and metal objects inside the lamp receptacle of the TV after removing the lamp. Doing so may cause fire or electrical shock. Do not touch the lamp receptacle once the lamp has been removed.
- When the lamp eventually burns out, you may hear a noticeable pop sound. This is normal and it is inherent to this type of lamp.
- In rare instances, the bulb may pop inside the lamp unit, but the lamp unit is designed to contain all of the broken glass pieces inside the lamp unit.
- This TV's lamp contains mercury and should be disposed of properly. Consult your local authorities regarding safe disposal. The material contained in this lamp is similar to those of a fluorescent lamp, so you should dispose of it in the same way.

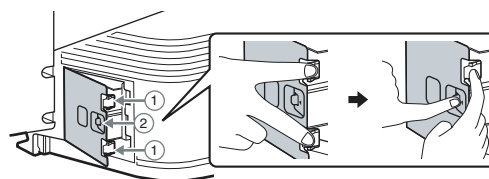
How to Replace the Lamp

- 1** Turn off the power on the main unit. Wait several minutes, then unplug the power cord. (The cooling fan will continue to operate for about two minutes after turning the power off.)
- 2** Wait at least 30 minutes after unplugging the power cord to allow the lamp to cool down before replacing it. To avoid being burned, do not touch the lamp receptacle once the lamp has been removed.
- 3** Take the new lamp out of the box. Do not touch the glass portion of the new lamp.

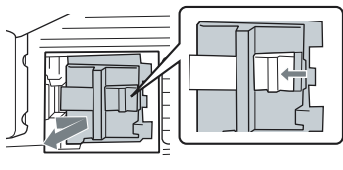


- Do not shake the lamp. Vibration can damage the lamp or shorten its life.
- Avoid touching the front glass of a new lamp or the glass of the lamp receptacle. This may reduce picture quality or lamp life.

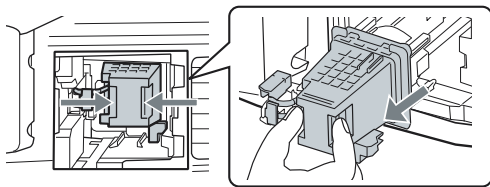
- 4** Remove the outside lamp cover. Using equal force, press both hooks (marked by ①) towards the TV screen in the direction the arrows are pointing. While pressing the two hooks (marked by ①), push the center lever (marked by ②) towards the TV screen and pull the lamp cover towards you. The lamp cover should come off easily.



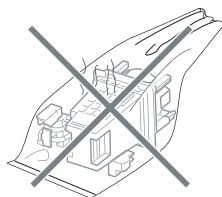
- 5** Remove the lamp door.
Holding the door knob, press the door lever toward the door knob in the direction the arrow is pointing. Then, pull the lamp door out of the TV towards you.



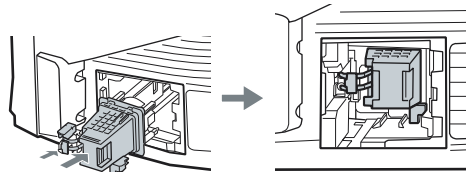
- 6** Pull the lamp out of the TV.
Grip the lamp by the indented grooves as illustrated below.
Pull the lamp straight out of the TV as illustrated below.



- The lamp is very hot immediately after use. Do not touch the inside of the lamp compartment, the glass portion of the lamp, or the surrounding parts.
- After the used lamp has cooled, place it into the empty box of the replacement lamp. Never put the used lamp into a plastic bag.

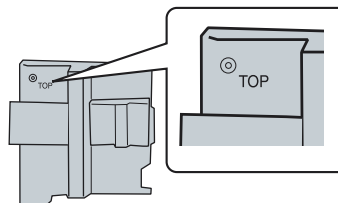


- 7** Slide the new lamp into its place.
Insert the new lamp into place by holding the indented grooves firmly. Make sure the lamp is securely mounted into the compartment.
Failure to do so may cause a fire or the screen to go dark.

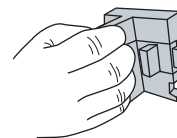


- If the lamp is not securely reattached, the self-diagnostic function may be triggered and the POWER LED blinks six times (see page 21).

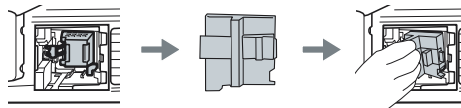
- 8** Reattach the lamp door.
Be sure that the word “TOP” imprinted on the lamp door is on top while placing the door lamp into the compartment.



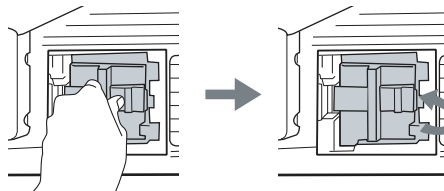
Grip the door knob, but do not hold in the door lever when sliding the lamp door into the compartment.



While keeping the lamp door at a slant, slide the lamp door into the compartment by leading with the left side. Insert the two tabs into the slot and follow the guide rail. Once the left side can no longer be pushed in, press the lamp door lever toward the door knob.

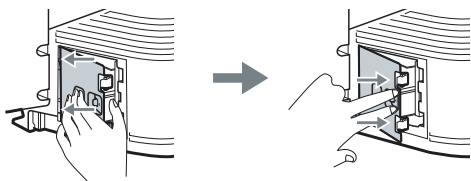


Shut the lamp door by releasing the door lever.



- The lamp door is securely closed when a clicking sound occurs. Make sure it is securely closed by tugging on the door knob.

- 9 Put the outside lamp cover back in its place. Insert the two small tabs from the left side of the outside lamp cover into the slots of the TV. Push in the two larger tabs of the outside lamp cover on the right side into the TV. The outside lamp cover is securely closed after two clicking sounds are made.



- 10 Plug in the power cord. Turn on the TV and set the **Lamp Replacement** option in the **General** settings (see page 38). This setting is necessary to inform you when the next lamp replacement is needed.



- Until you set the **Lamp Replacement** option, a message announcing that the lamp is at the end of its life will appear every time you turn on the TV.
- Consult your Sony dealer for a Sony XL-2500 replacement lamp.
- Take great care when replacing the lamp or plugging in/unplugging the connecting cords. Rough handling may cause the TV to fall, damaging the TV, the TV stand and the floor.

The used lamp

For customers in the United States:

Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).

- Do not leave the used lamp near flammable materials or within the reach of children.
- Do not pour water onto the used lamp or put any object inside the lamp. Doing so may cause the lamp to burst.

For replacement lamp information visit:

U. S. residents:

<http://www.sonystyle.com/tv/>

Canadian residents:

<http://www.sonystyle.ca/tv/>

In an effort to reduce the size of this pdf file the tiled schematics are not attached to this Service Manual. To receive a complete set of the tiled schematics for this manual please submit a request to the Service Promotion Department at Service_Promotion@am.sony.com.