

HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

# SERVICE MANUAL

# MA1 CHASSIS

<u>MODEL NAME</u>	<u>REMOTE COMMANDER</u>	<u>DESTINATION</u>
<b>KDL-37M3000</b> RM-YD021		US/CANADA/MEXICO
<b>KDL-37M3000</b> RM-YD021		CHILE/PERU

**ORIGINAL MANUAL ISSUE DATE: 9/2007**

 : UPDATED ITEM

**REVISION DATE    SUBJECT**

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9/2007	No revisions or updates are applicable at this time.
9/2007	Added (Balancer Board) ETC-Inverter MT Board P/N to Exploded View Section 5-4. Replaced Page 60.
11/2007	Updated G5M PWB. Replaced Page 49.
1/2008	Corrected Ref. No. for LCD Panel and speakers. Replaced page 60.

LCD DIGITAL COLOR TELEVISION

# SONY®

# SER VICE MANUAL

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KDL-37M3000



RM-YD021

LCD DIGITAL COLOR TELEVISION

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## TABLE OF CONTENTS

SECTION TITLE	PAGE	SECTION TITLE	PAGE
Specifications .....	4	<b>SECTION 3: SERVICE ADJUSTMENTS.....</b>	<b>29</b>
Warnings and Cautions .....	6	3-1. Using the Remote Commander for Electrical Adjustments ..	29
Safety-Related Component Warning .....	7	3-2. Accessing Service Adjustment Mode .....	29
Safety Check-Out .....	9	3-3. Viewing the Service Menus .....	30
Self-Diagnostic Function.....	10	3-4. Resetting to Factory Defaults.....	30
<b>SECTION 1: DISASSEMBLY.....</b>	<b>12</b>	<b>SECTION 4: DIAGRAMS.....</b>	<b>31</b>
1-1. Rear Cover Removal.....	12	4-1. Circuit Boards Location .....	31
1-2. Arm, Under Cover and Stand Removal.....	12	4-2. Printed Wiring Boards and	
1-3. HM1 Board Removal.....	13	Schematic Diagrams Information .....	31
1-4. UM Board and Jack Holder Removal.....	13	4-3. Block Diagram.....	33
1-5. Speaker, Light Guide and HM3 Board Removal .....	14	4-4. Connection Diagram .....	34
1-6. BM Board Removal .....	14	4-5. Schematics and Supporting Information .....	35
1-7. G5 Bracket and G5M Board Removal.....	15	BM Board Schematic Diagram (1 of 12) .....	35
1-8. Bracket Removal .....	15	BM Board Schematic Diagram (2 of 12) .....	36
1-9. LCD Panel and Inverter Board Removal.....	16	BM Board Schematic Diagram (3 of 12) .....	37
<b>SECTION 2: WIRE DRESSINGS.....</b>	<b>17</b>	BM Board Schematic Diagram (4 of 12) .....	38
2-1. Overall View .....	17	BM Board Schematic Diagram (5 of 12) .....	39
2-2. L VDS Connector .....	18	BM Board Schematic Diagram (6 of 12) .....	40
2-3. L VDS Connector (Continued).....	19	BM Board Schematic Diagram (7 of 12) .....	41
2-4. HM3 Board and Speakers.....	20	BM Board Schematic Diagram (8 of 12) .....	42
2-5. HM3 Board and Speakers (Continued).....	21	BM Board Schematic Diagram (9 of 12) .....	43
2-6. G5M Board Connectors .....	22	BM Board Schematic Diagram (10 of 12) .....	44
2-7. HM1 Board .....	23	BM Board Schematic Diagram (11 of 12).....	45
2-8. Video 2 Cable.....	24	BM Board Schematic Diagram (12 of 12) .....	46
2-9. AC Cord .....	25	G5M Board Schematic Diagram .....	48
2-10. Tuner .....	26	HM1 Board Schematic Diagram.....	50
2-11. Tuner (Continued).....	27	HM3 Board Schematic Diagram.....	52
2-12. Tuner (Continued) .....	28	UM Board Schematic Diagram.....	54
		4-6. Semiconductors .....	56
		<b>SECTION 5: EXPLODED VIEWS .....</b>	<b>57</b>
		5-1. Rear Cover Assembly and Stand Assembly .....	57
		5-2. Chassis .....	58
		5-3. Connectors .....	59
		5-4. Bezel Assembly, LCD Panel and Speakers .....	60
		<b>SECTION 6: ELECTRICAL PARTS LIST .....</b>	<b>61</b>
		<b>APPENDIX A: ENCRYPTION KEY COMPONENTS .....</b>	<b>A-1</b>

## SPECIFICATIONS

**Power Requirements** 120V AC, 60Hz  
220V, 50/60 Hz (Chile, Perú)

### Video (IN) 1/2/3

#### S Video (4-Pin Mini DIN (VIDEO 1 Only))

Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative  
C: 0.286 Vp-p (Burst signal), 75 ohms

#### V ideo

1.0 Vp-p, 75 ohms unbalanced, sync negative

#### Audio

500 mVrms (100% modulation)  
Impedance: 47 kilohms

### COMPONENT IN 1/2

#### Y P B P R (Component Video)

Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative  
P<sub>B</sub>: 0.7 Vp-p, 75 ohms  
P<sub>R</sub>: 0.7 Vp-p, 75 ohms  
Signal format: 480i, 480p, 720p, 1080i

#### AUDIO

500 mVrms (100% modulation)  
Impedance: 47 kilohms

### HDMI IN 1/2:

**HDMI:** Video: 480i, 480p, 720p, 1080i

Audio: Two channel linear PCM 32, 44.1 and  
48 kHz, 16, 20 and 24 bits

**AUDIO** : 500 mVrms (100% modulation)  
Impedance: 47 kilohms

### AUDIO OUT:

500 mVrms (100% modulation)  
More than 500 mVrms (Fixed)

### PC IN:

D-sub 15-pin, analog RGB, 0.7 Vp-p, 75 ohms, positive

### PC AUDIO INPUT:

Stereo mini jack, 500 mVrms, 47 kilohms


### HEADPHONES:

Stereo mini jack  
Impedance: ≥ 16 ohms

### Trademark Information

Manufactured under license from Dolby Laboratories. "Dolby" and double-D symbol are trademarks of Dolby Laboratories.

This TV incorporates High-Definition Multimedia Interface (HDMI™) technology. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Blu-ray is a trademark. "BRAVIA" and BRAVIA  and PS3 are trademarks or registered trademarks of Sony Corporation.

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**HDMI**



**HDTV**  
HIGH-DEFINITION TELEVISION

		<b>KDL-37M3000</b>
<b>Power Consumption</b>	<b>in use</b>	180W
	<b>in standby</b>	Less than 1W
<b>Speaker Output (W)</b>		10W + 10W
	<b>mm</b>	146 x 35 mm
	<b>in</b>	5 <sup>3/4</sup> x 1 <sup>3/8</sup> in
<b>Dimensions (W x H x D) with stand</b>	<b>mm</b>	918 x 655 x 265 mm
	<b>in</b>	36 <sup>1/4</sup> x 25 <sup>7/8</sup> x 10 <sup>1/2</sup> in
<b>Dimensions (W x H x D) without stand</b>	<b>mm</b>	918 x 609 x 108 mm
	<b>in</b>	36 <sup>1/4</sup> x 24 x 4 <sup>3/8</sup> in
<b>Mass with stand</b>	<b>kg</b>	22 kg
	<b>lbs</b>	49 lbs
<b>without stand</b>	<b>kg</b>	18.5 kg
	<b>lbs</b>	41 lbs

All measurements are approximations.

#### Television system

NTSC American TV Standard  
ATSC (8VSB terrestrial) ATSC compliant 8VSB  
QAM on cable: ANSI/SCTE 07 2000

#### Channel coverage

	<b>Analog</b>	<b>Digital</b>
Terrestrial	2-69	2-69
Cable	1-125	1-135

#### Antenna

75-ohm external terminal for VHF/UHF

#### Panel System

LCD (Liquid Crystal Display) Panel

#### Display Resolution (horizontal x vertical):

1,366 dots x 768 lines

#### Screen Size (measured diagonally)

approx. 37 inches

#### Supplied Accessories

Remote Commander RM-YD021  
Two Size AA (R6) Batteries  
Suport Belt, Securing Screw, and Wood Screw  
Cable Holder  
Operating Instructions  
Quick Setup Guide  
Warranty Card  
Online Registration Card  
Wall-Mount Instructions

#### Optional Accessories

Headphones Plug Adapter  
Connecting Cables  
Wall-Mount Bracket  
SU-WL500  
75-ohm Coaxial Cable  
HD15-HD15 Cable

## WARNINGS AND CAUTIONS

### CAUTION

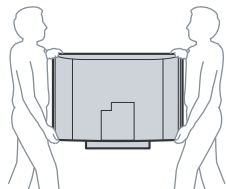
These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

### CARRYING THE TV

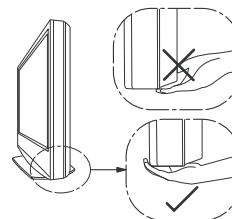
To avoid dropping the TV and causing serious injury, be sure to follow these guidelines:

- Before carrying the TV, disconnect all cables.
- Carrying the large size TV requires two or more people.
- When you carry the TV, place your hand as illustrated and hold it securely. Do not put stress on the LCD panel.

KDL-37M3000



- When lifting or moving the TV, hold it firmly from the bottom. Place your palm directly under the panel.




- When carrying, do not subject the TV to shocks or vibration, or excessive force.

### 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!!

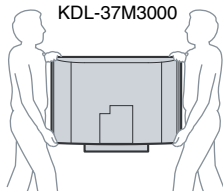
Ces instructions de service sont à l'usage du personnel de service qualifié seulement. Pour prévenir le risque de choc électrique, ne pas faire l'entretien autre que celui contenu dans le Mode d'emploi à moins que vous soyez qualifié faire ainsi.

### POUR TRANSPORTER LE TÉLÉVISEUR

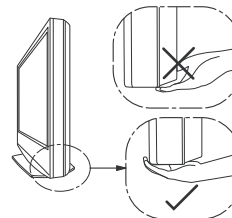
Assurez-vous de suivre ces consignes pour éviter de laisser tomber le téléviseur et de provoquer des blessures graves :

- Avant de transporter le téléviseur, débranchez tous les câbles.
- Le transport du téléviseur doit être effectué par au moins deux personnes.
- Lorsque vous le transportez, placez vos mains tel que cela est illustré et tenez solidement l'appareil. N'appliquez pas de pression sur l'écran ACL.

KDL-37M3000



- Lorsque vous levez ou déplacez le téléviseur, assurez-vous de tenir solidement de la base. Placez la paume des mains directement sous le panneau.




- Lorsque vous transportez le téléviseur, ne le soumettez pas à des chocs ou vibrations, ni à une force excessive.

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-RELATED COMPONENT WARNING

There are critical components used in LCD color TVs that are important for safety. These components are identified with shading and  $\triangle$  mark on the schematic diagrams and the electrical parts list. It is essential that these critical parts be replaced only with the part number specified in the electrical parts list to prevent electric shock, fire, or other hazard.

NOTE: Do not modify the original design without obtaining written permission from the manufacturer or you will void the original parts and labor guarantee.

### USE CAUTION WHEN HANDLING THE LCD PANEL

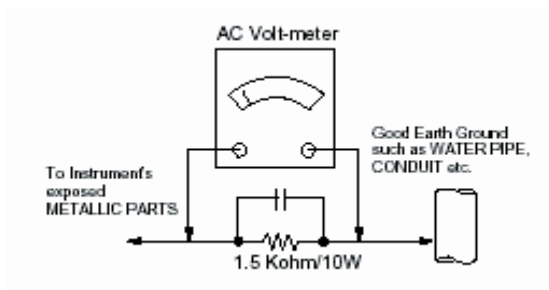
When repairing the LCD panel, be sure you are grounded by using a wrist band.

When installing the LCD panel on a wall, the LCD panel must be secured using the 4 mounting holes on the rear cover.

To avoid damaging the LCD panel:

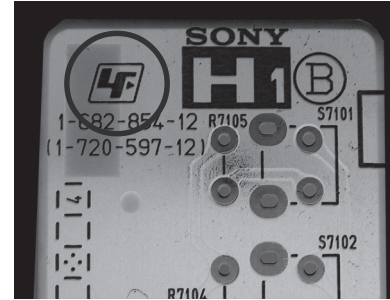
- do not press on the panel or frame edge to avoid the risk of electric shock.
- do not scratch or press on the panel with any sharp objects.
- do not leave the module in high temperatures or in areas of high humidity for an extended period of time.
- do not expose the LCD panel to direct sunlight.
- avoid contact with water. It may cause a short circuit within the module.
- disconnect the AC adapter when replacing the backlight (CCFL) or inverter circuit.  
(High voltage occurs at the inverter circuit at 650Vrms.)
- always clean the LCD panel with a soft cloth material.
- use care when handling the wires or connectors of the inverter circuit. Damaging the wires may cause a short.
- protect the panel from ESD to avoid damaging the electronic circuit (C-MOS).

### LEAKAGE CURRENT HOT CHECK CIRCUIT



## example 1

The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. H1 etc [ see example ]. The servicing of these boards requires special precautions to be taken as outlined below.



It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

Part number	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to <http://www.sony-training.com>



## 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 antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

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).

### Leakage Test

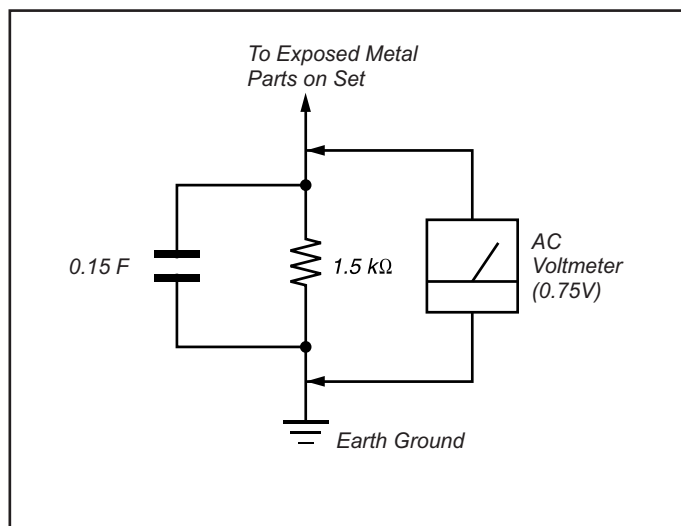


Figure A. Using an AC voltmeter to check AC leakage.

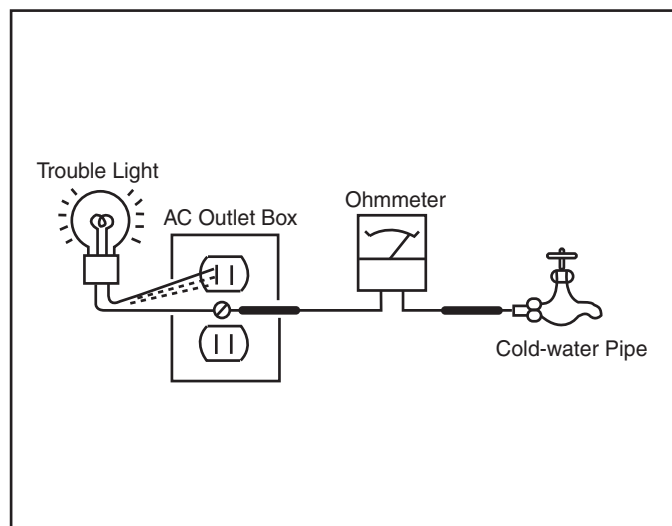


Figure B. Checking for earth ground.

## SELF-DIAGNOSTIC FUNCTION

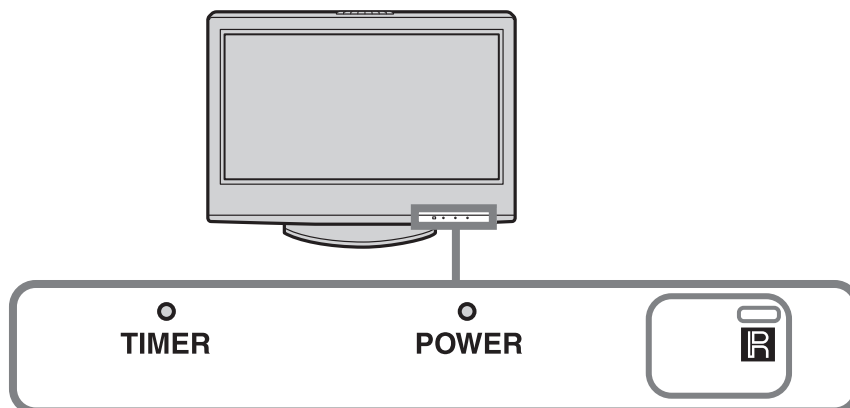
*Self Diagnosis*  
Supported model

The units in this manual contain a self-diagnostic function. If an error occurs, the TIMER LED indicator will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the TIMER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the Remote Commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

### 1. Diagnostic Test Indicators

When an error occurs, the TIMER LED indicator will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the indicator will identify the first of the problem areas.

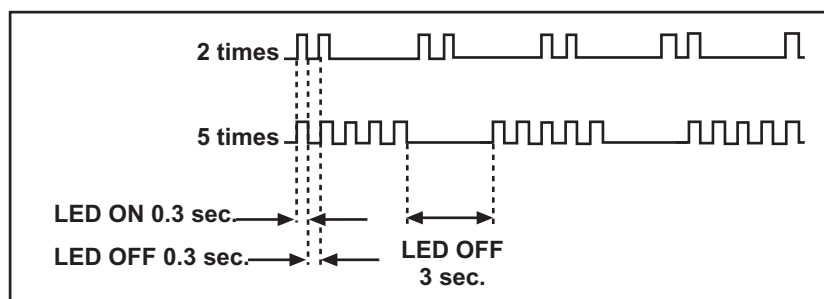
#### Control Buttons



#### Description of LED Indicators

LED	LED Type	Description
POWER LED	Green LED	* Light is green when the TV set is on
TIMER LED	Amber/Green/Red LED	* Light is amber when the timer is set. * Light is green when the Picture Off feature is activated. * Blinks red when indicating the TV may need servicing.

#### Display of TIMER LED Flash Count



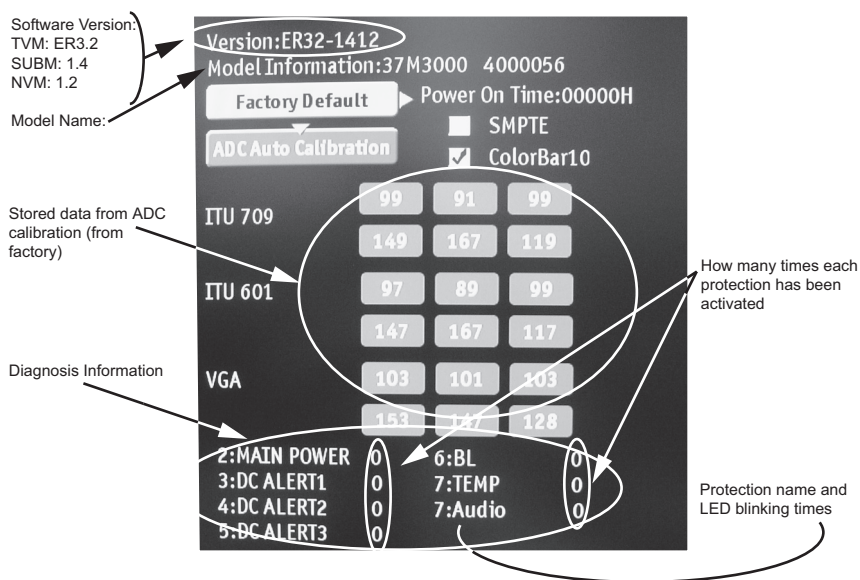
### Viewing the Self Check Diagnostic List

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 +** → **TV POWER**.

The Self Check list displays. ↑ This is the SAME as accessing Service Adjustments.

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



2: MAIN_POWER	0	6: BL (Back Light)	0	← 0 indicates no error was detected
3: DC_ALERT1	0	7: TEMP	1	← 1 indicates an error was detected
4: DC_ALERT2	0	7: Audio	0	
5: DC_ALERT3	0			

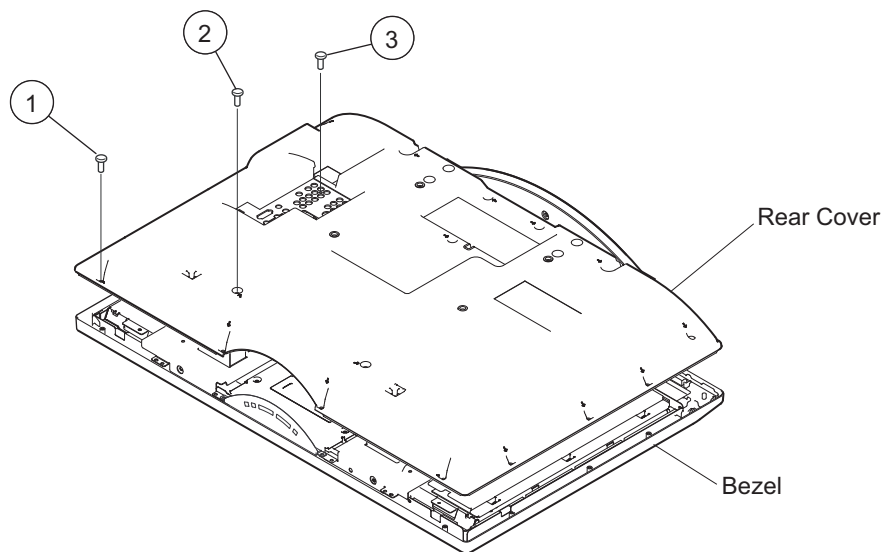
### Clearing the Self Check Diagnostic List

1. In Service Mode, press the Channel **8** → Channel **0**.

## SECTION 1: DISASSEMBLY

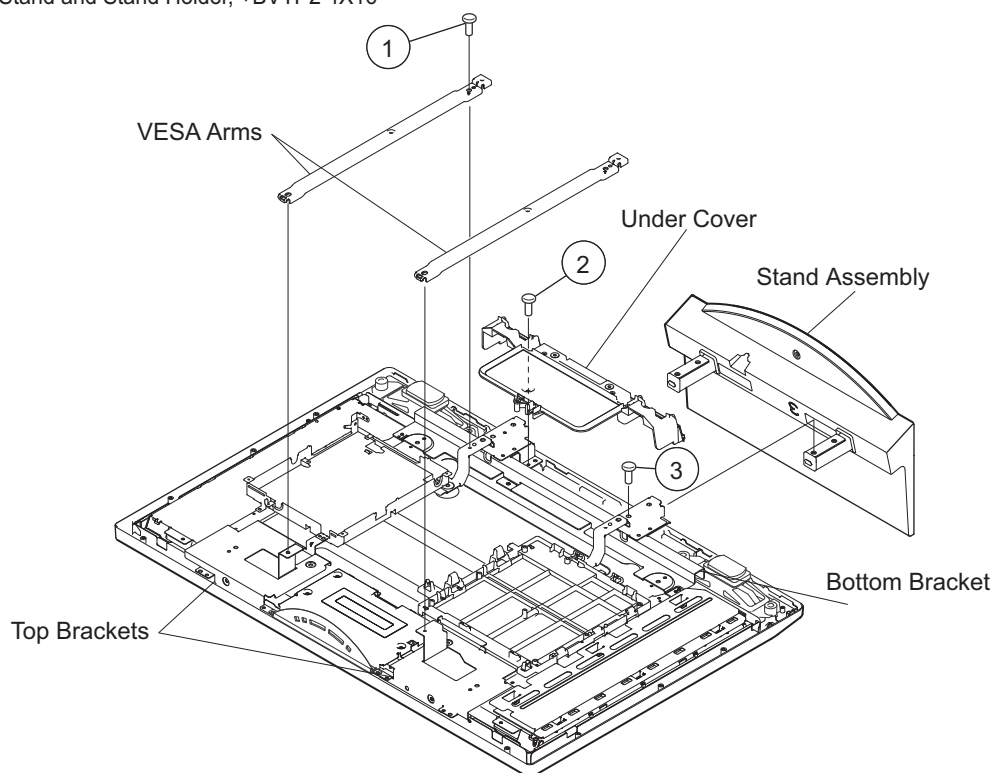
### 1-1. REAR COVER REMOVAL

- ① Remove 16 screws from Rear Cover, +BVTP2 4X16
- ② Remove 2 screws from Rear Cover arm positions, +PSW M5X16
- ③ Remove 2 screws from Terminals, +BVTP 3X12 TYPE2 TT(B)



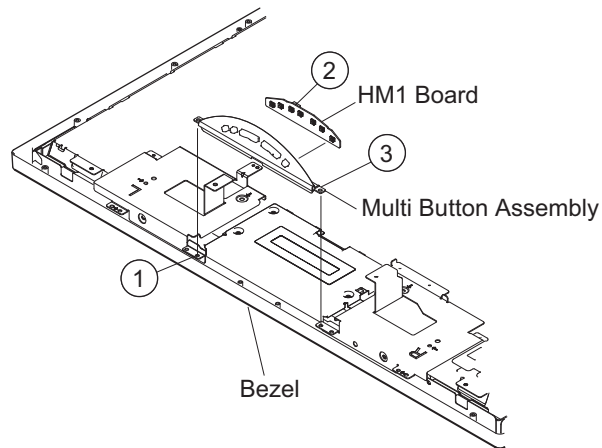
### 1-2. ARM, UNDER COVER AND STAND REMOVAL

- ① Remove 2 screws from bottom of VESA Arms, +PSW M5X16
- ② Remove 2 screws from Under Cover and Bezel, +BVTP2 4X16
- ③ Remove 4 screws from Stand and Stand Holder, +BVTP2 4X16



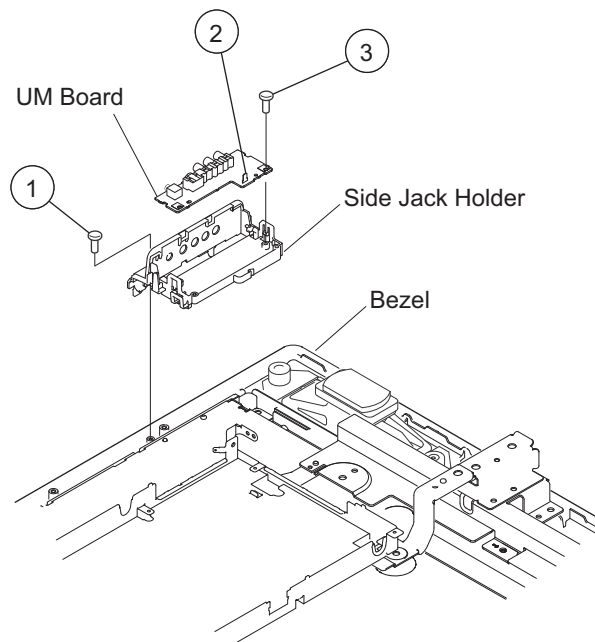
### 1-3. HM1 BOARD REMOVAL

- ① Remove from bezel
- ② Disconnect one connector
- ③ Release hooks and remove HM1 Board



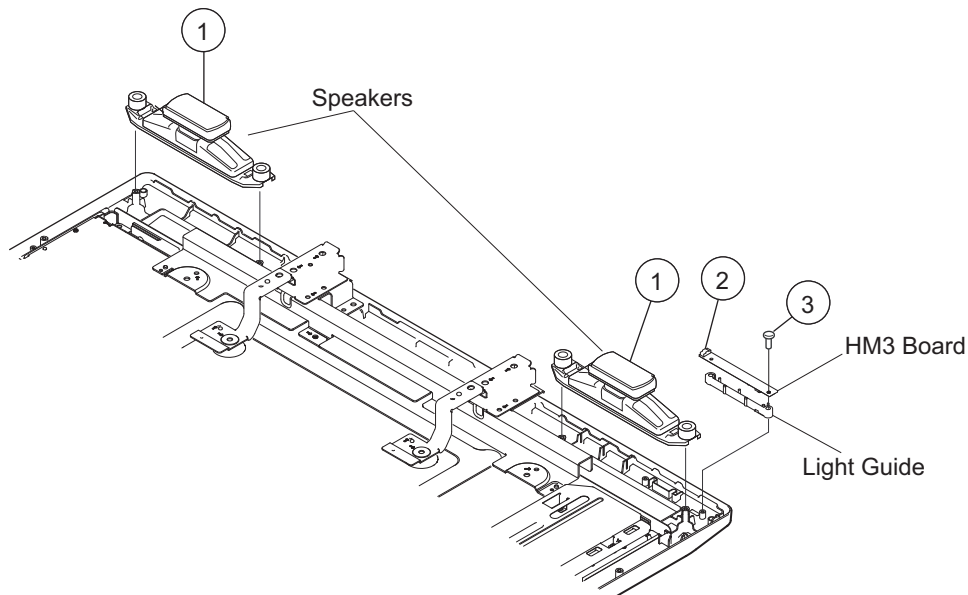
### 1-4. UM BOARD AND JACK HOLDER REMOVAL

- ① Remove one screw, +BVTP 3X12 TYPE2 TT(B)
- ② Disconnect 2 connectors
- ③ Remove 2 screws, +BVTP 3X12 TYPE2 TT(B)



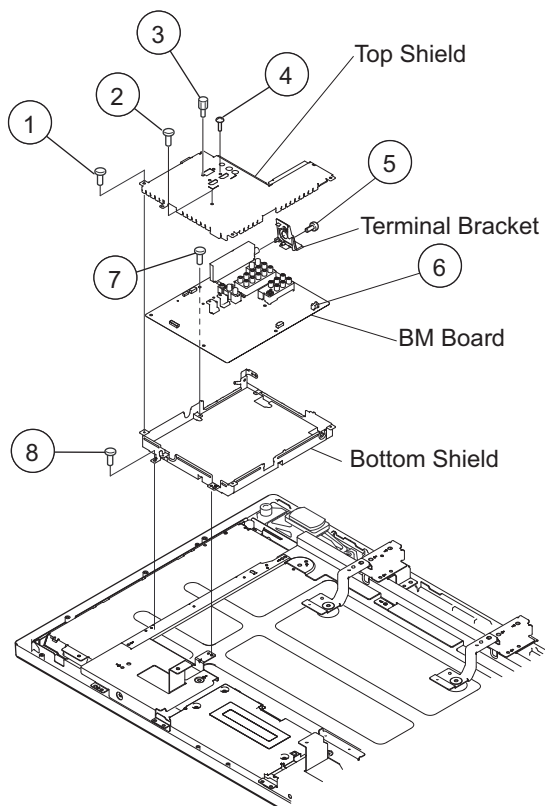
## 1-5. SPEAKER, LIGHT GUIDE AND HM3 BOARD REMOVAL

- ① Slide out Speakers from Bezel
- ② Disconnect one connector
- ③ Remove 2 screws, +BVTP 3X12 TYPE2 TT(B)



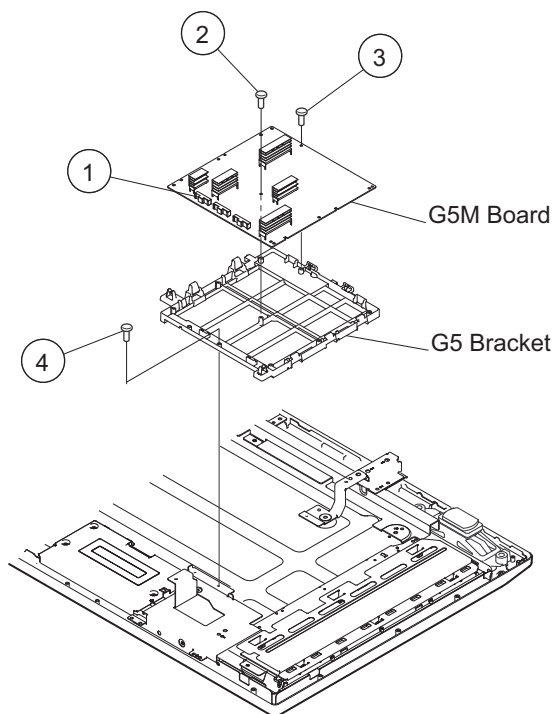
## 1-6. BM BOARD REMOVAL

- ① Remove 6 screws, +BVST 3X8
- ② Remove 2 screws, +PSW M3X5
- ③ Remove 2 screws, HEX
- ④ Remove 2 screws, +PSW M3X5
- ⑤ Remove 1 screw, +PSW M3X5
- ⑥ Disconnect 8 connectors
- ⑦ Remove 7 screws, +BVST 3X8
- ⑧ Remove 4 screws, +PSW M3X5



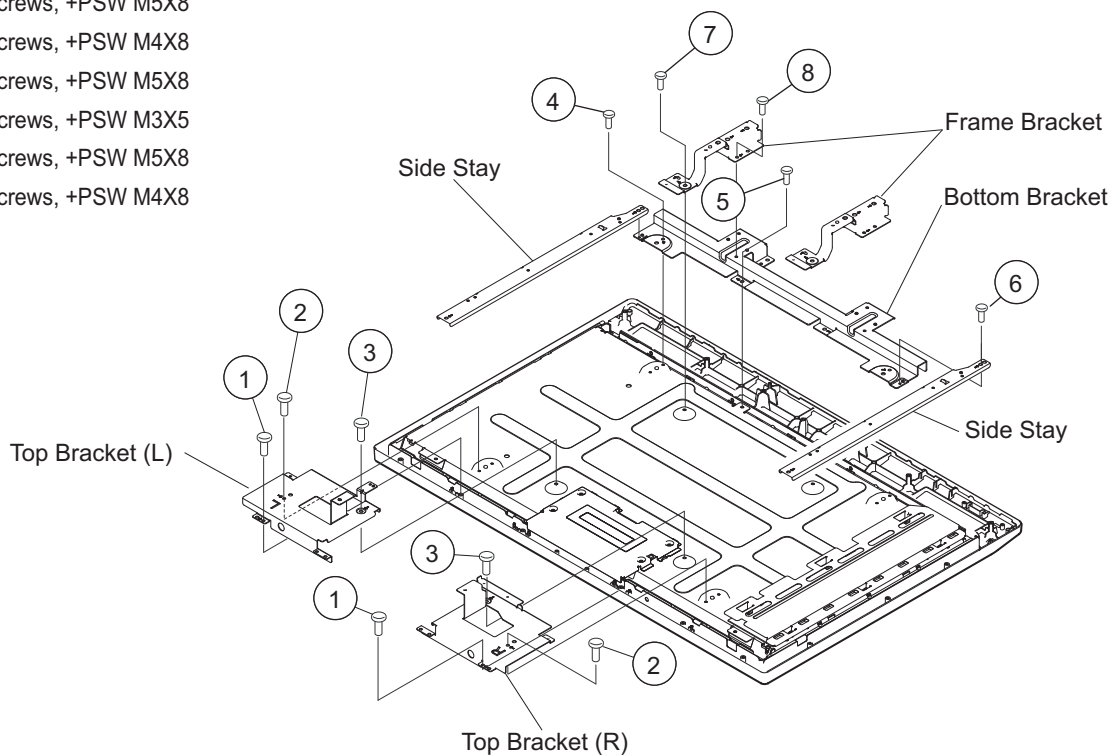
## 1-7. G5 BRACKET AND G5M BOARD REMOVAL

- ① Disconnect 4 connectors
- ② Remove 3 screws, +BVTP 3X12 TYPE2 TT(B)
- ③ Remove 4 screws, +PSW 3SG
- ④ Remove 1 screw, +BVST 3X8



## 1-8. BRACKET REMOVAL

- ① Remove 2 screws, +BVTP2 4X16
- ② Remove 2 screws, +PSW M4X8
- ③ Remove 3 screws, +PSW M5X8
- ④ Remove 4 screws, +PSW M4X8
- ⑤ Remove 4 screws, +PSW M5X8
- ⑥ Remove 2 screws, +PSW M3X5
- ⑦ Remove 4 screws, +PSW M5X8
- ⑧ Remove 4 screws, +PSW M4X8

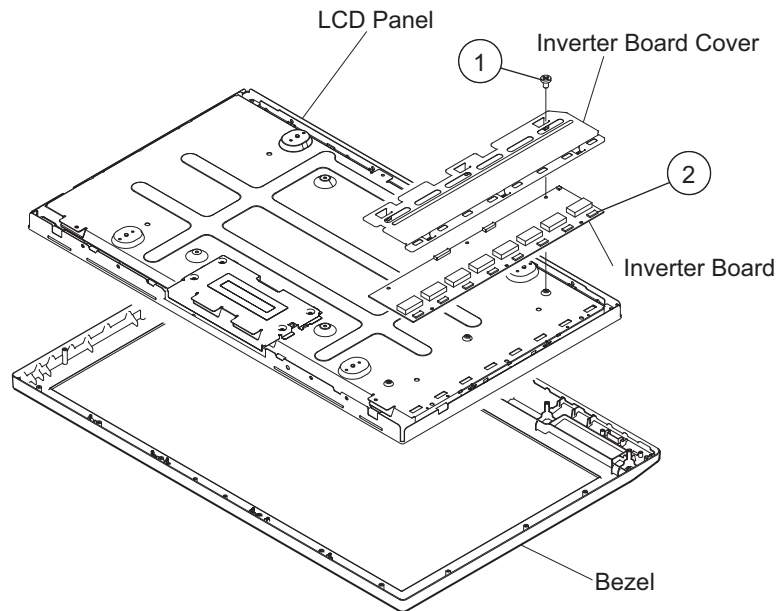


## 1-9 LCD PANEL AND INVERTER BOARD REMOVAL

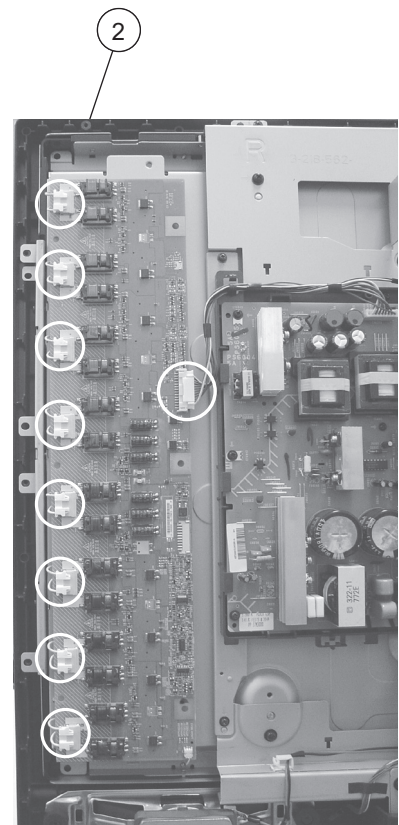
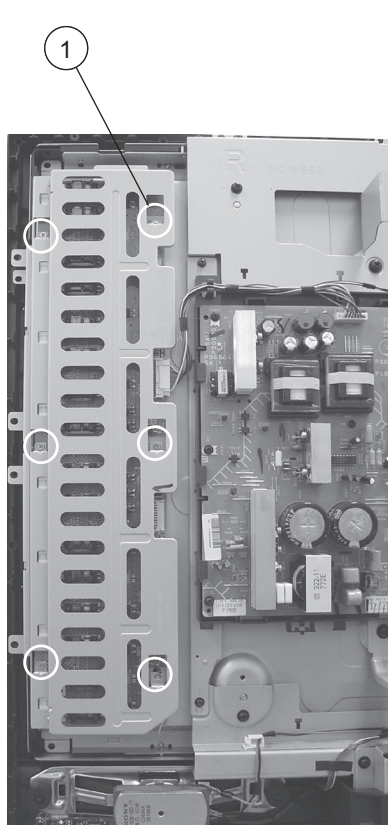
### CAUTION:

Be sure to identify the inverter cover screws before proceeding. DO NOT remove the screws securing the plastic strip holding the lamp sockets.

- ① Remove 6 screws, +BVTP2 4X16
- ② Disconnect 8 connectors



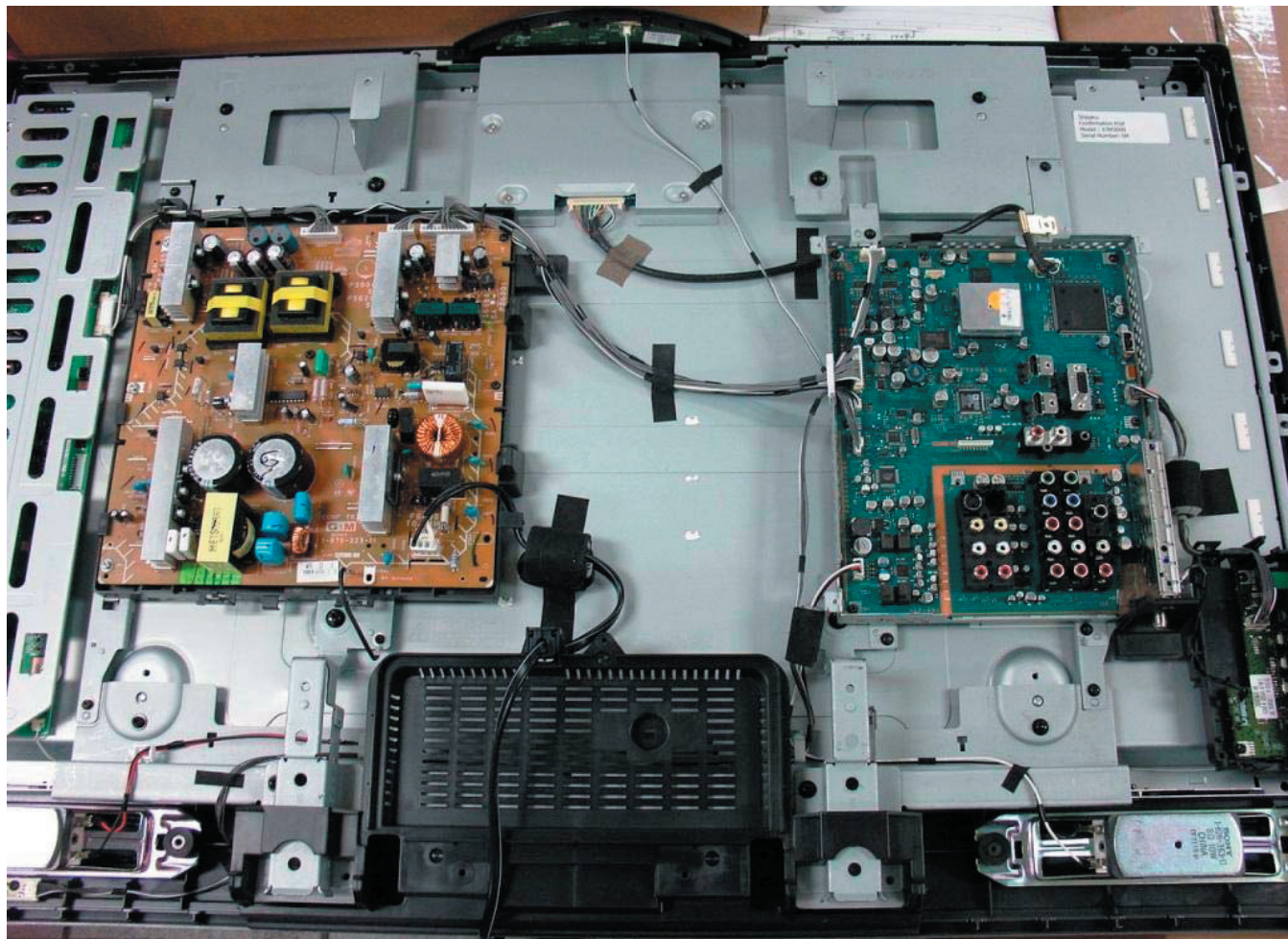
- ① Remove 6 screws, +BVTP2 4X16
- ② Disconnect 8 connectors



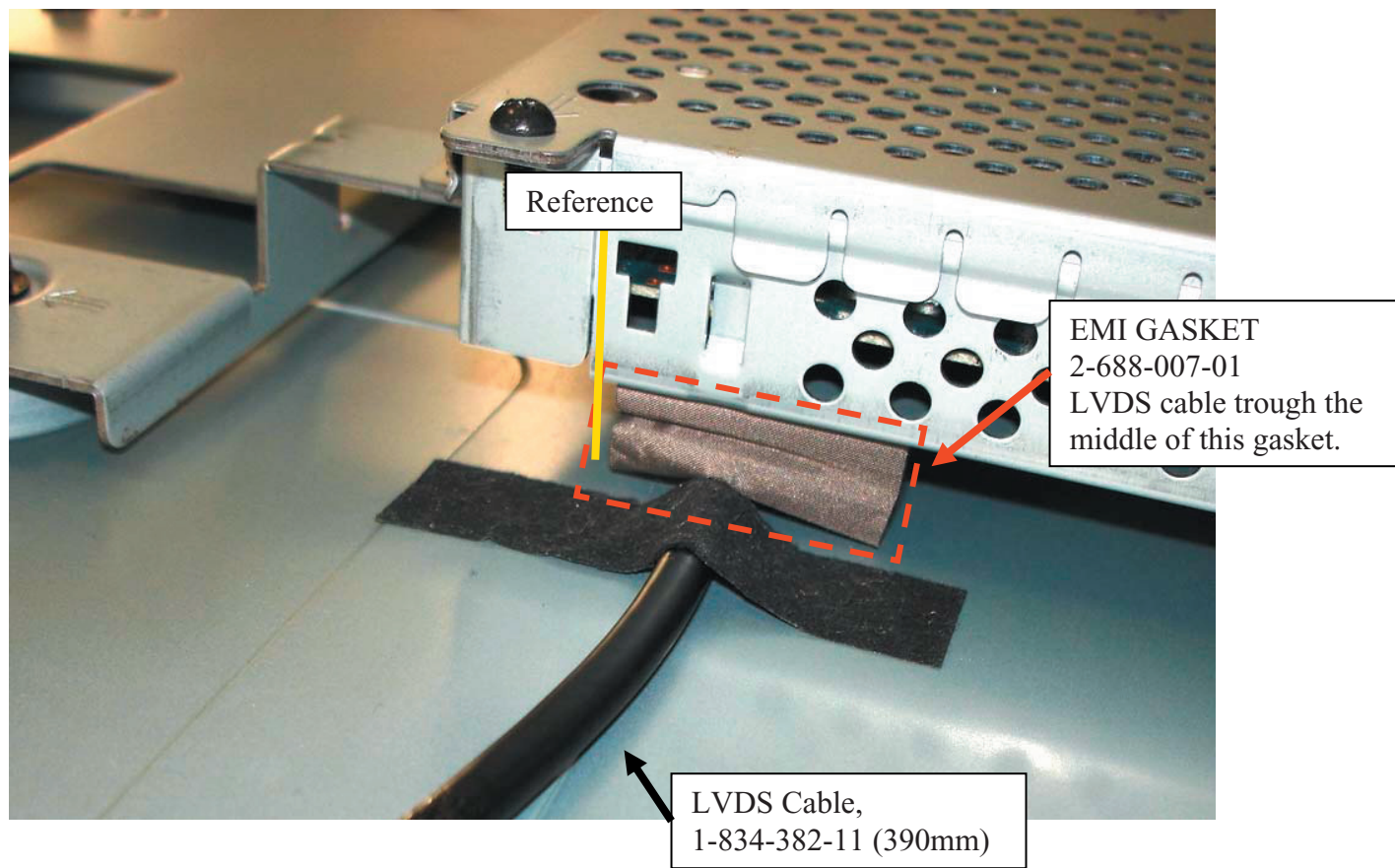
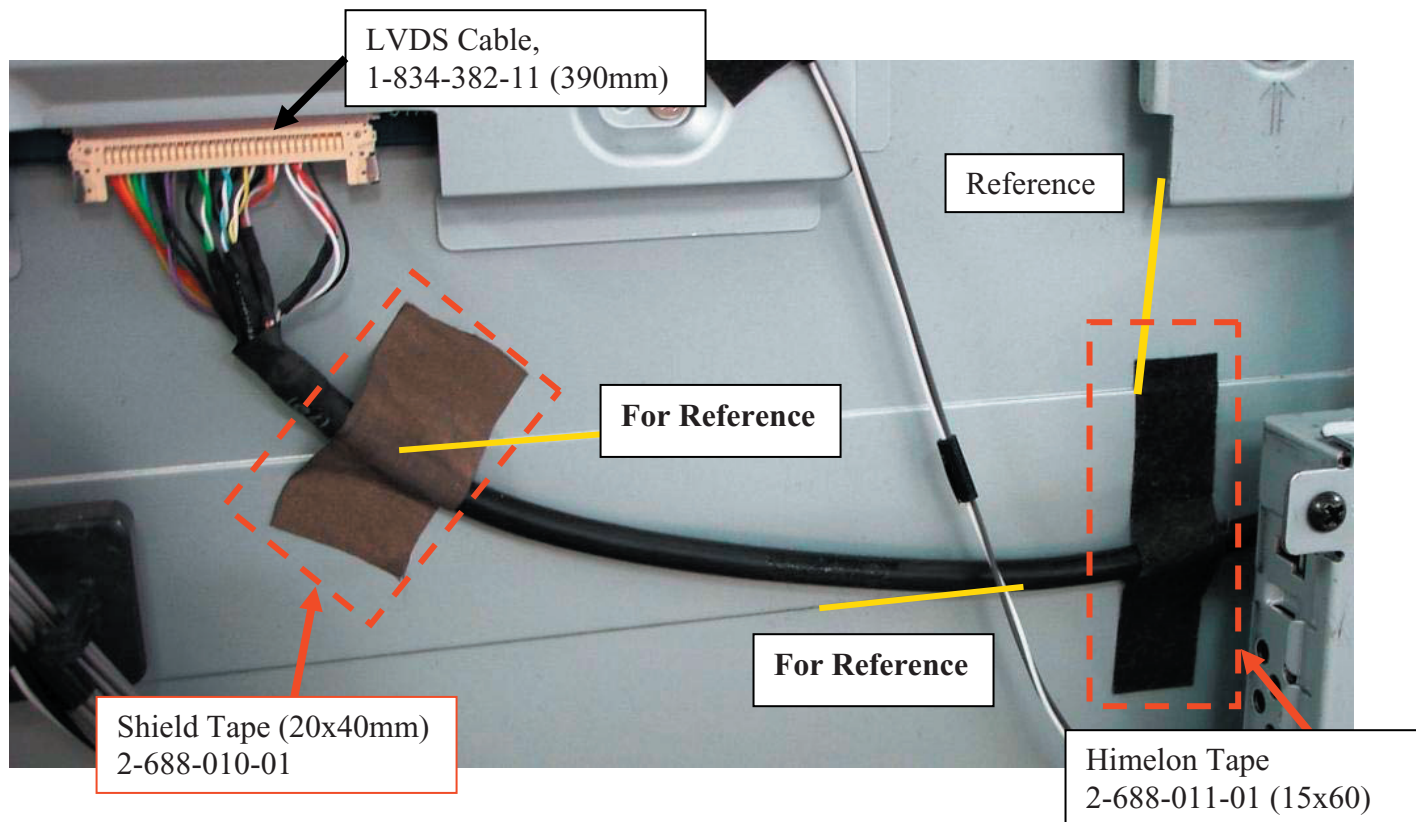


## SECTION 2: WIRE DRESSINGS

### 2-1. OVERALL VIEW

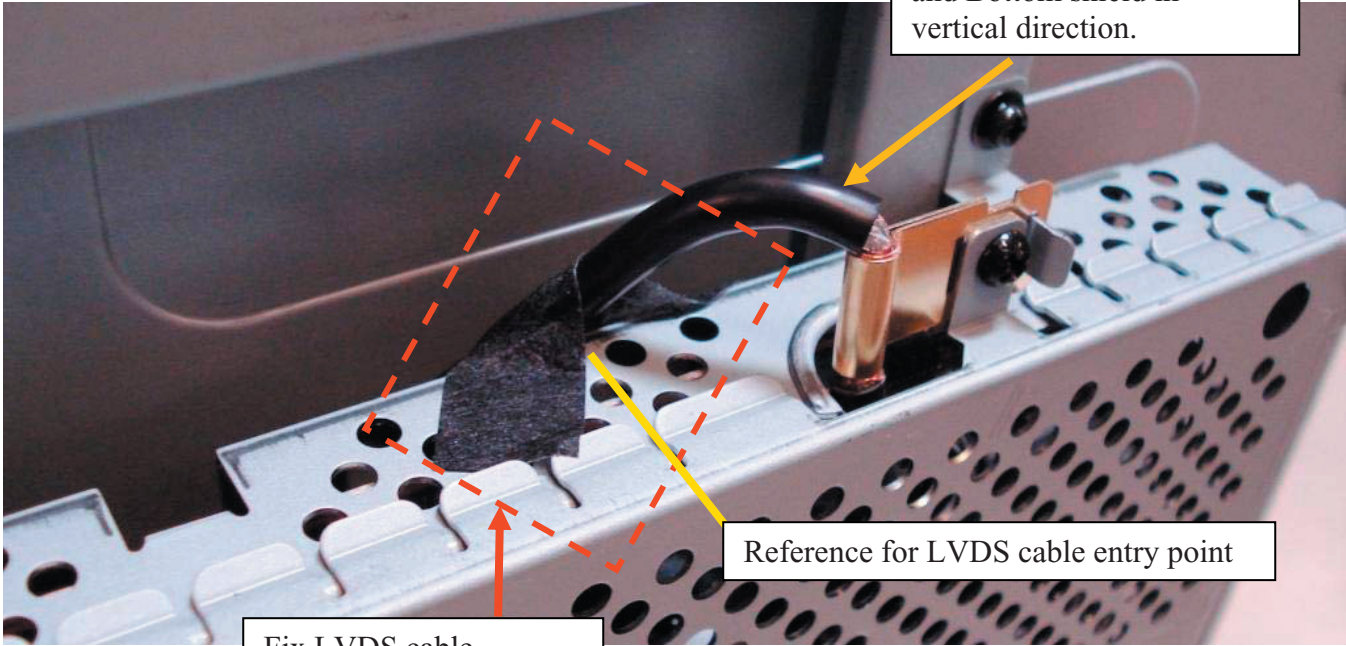


## 2-2. L VDS CONNECTOR



### 2-3. LVDS CONNECTOR (CONTINUED)

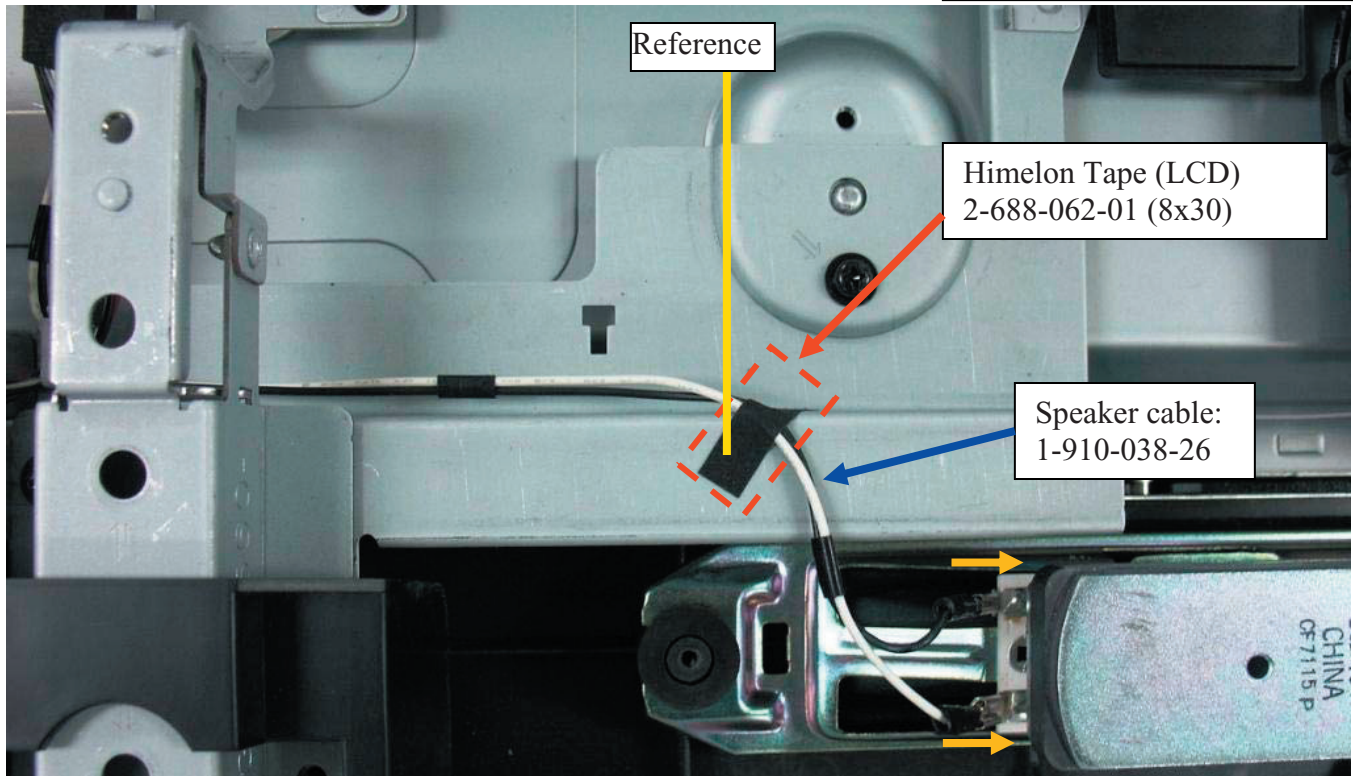
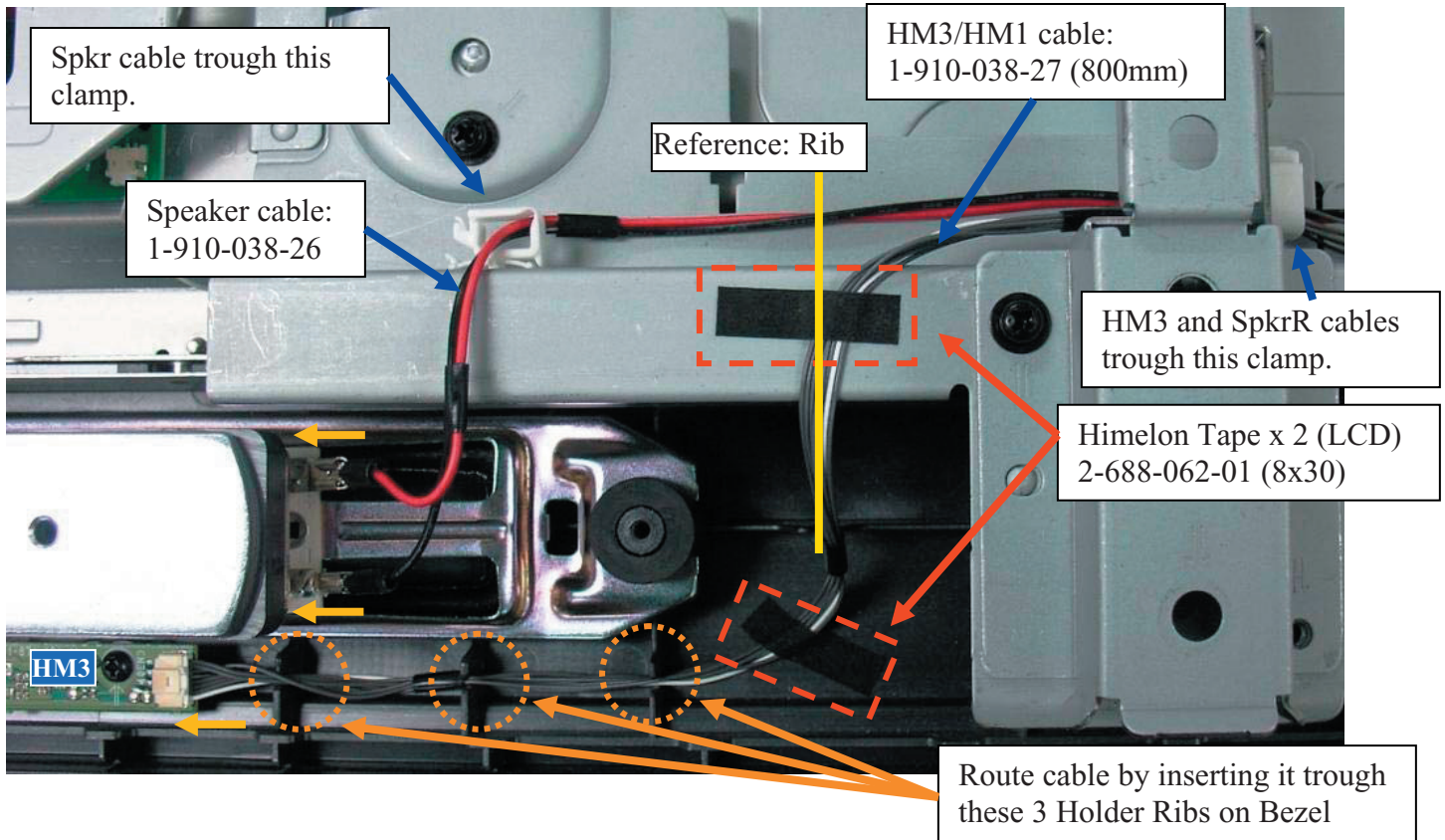
Dress LVDS cable to have this route:  
Must enter between panel and Bottom shield in vertical direction.



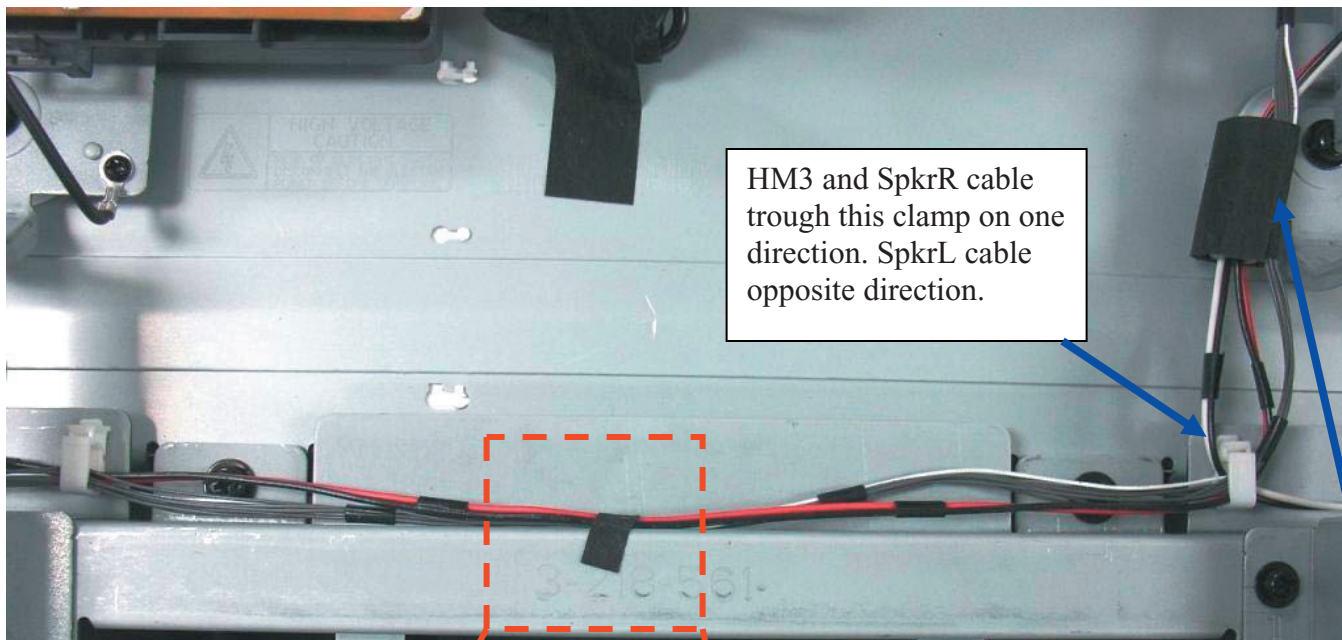
Reference for LVDS cable entry point

Fix LVDS cable position using:  
Himelon Tape  
2-688-011-01 (15x60)

## 2-4. HM3 BOARD AND SPEAKERS

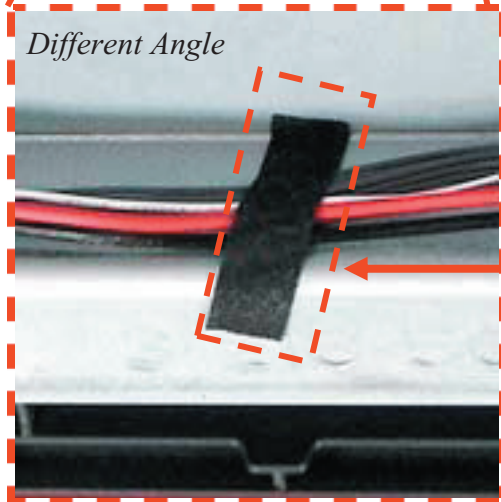


## 2-5. HM3 BOARD AND SPEAKERS (CONTINUED)



HM3 and SpkrR cable  
trough this clamp on one  
direction. SpkrL cable  
opposite direction.

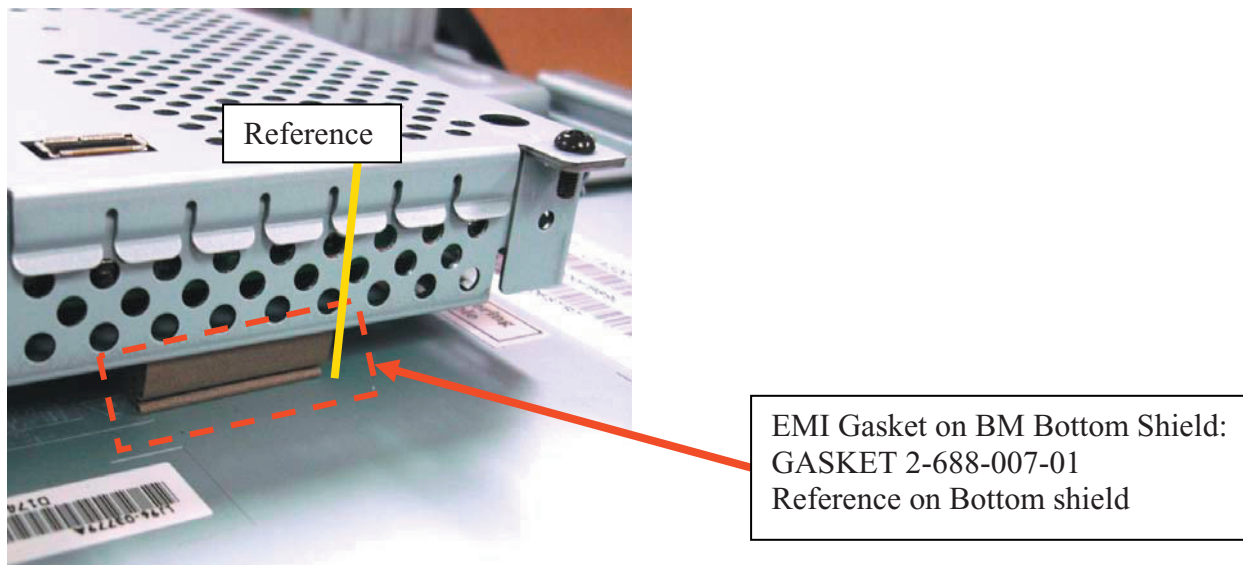
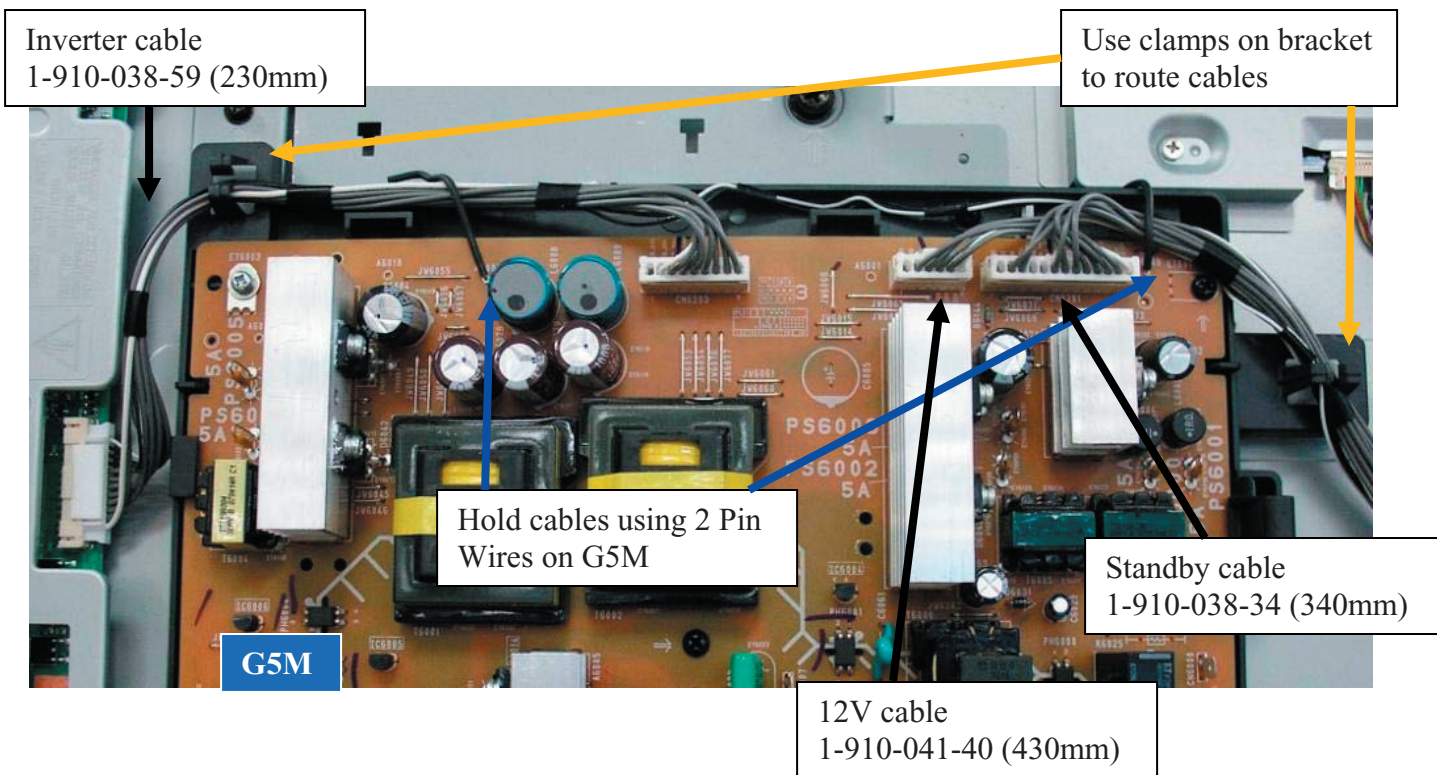
**Completely cover Ferrite and  
grab the HM3 cable using:**  
Himelon Core Sheet (A)  
2-688-014-01



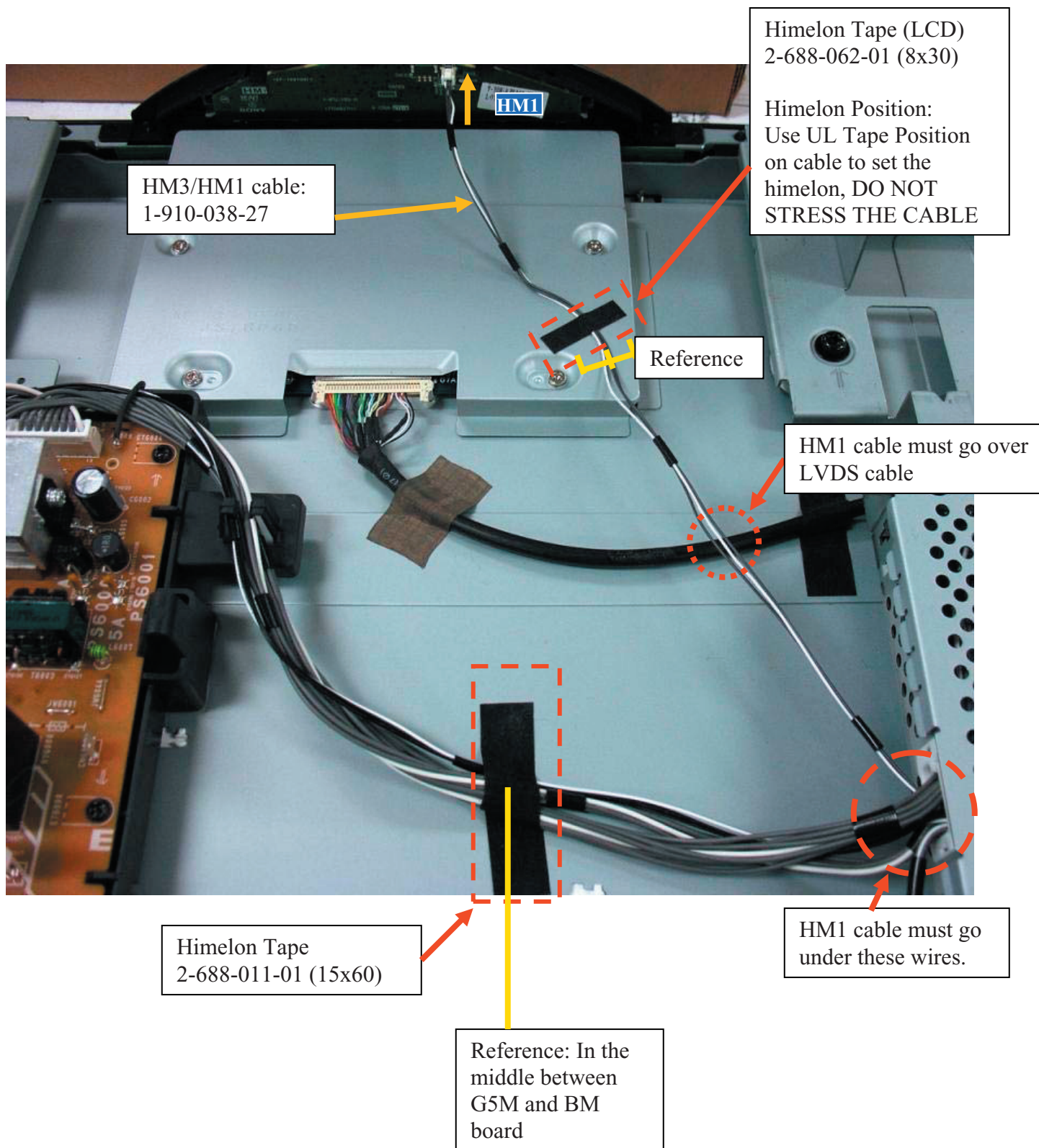
*Different Angle*

Himelon Tape (LCD)  
2-688-062-01 (8x30)

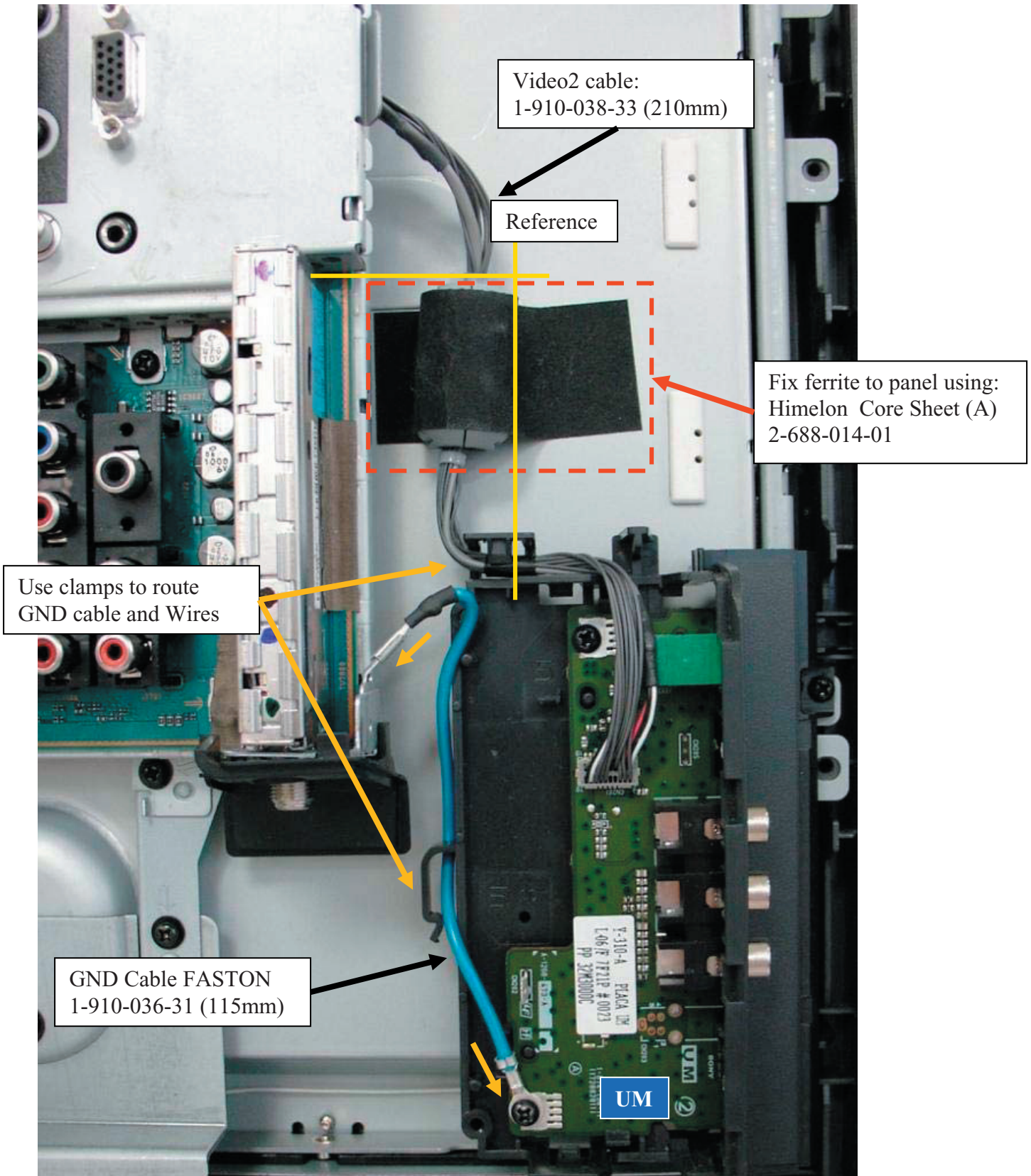
## 2-6. G5M BOARD CONNECTORS



## 2-7. HM1 BOARD

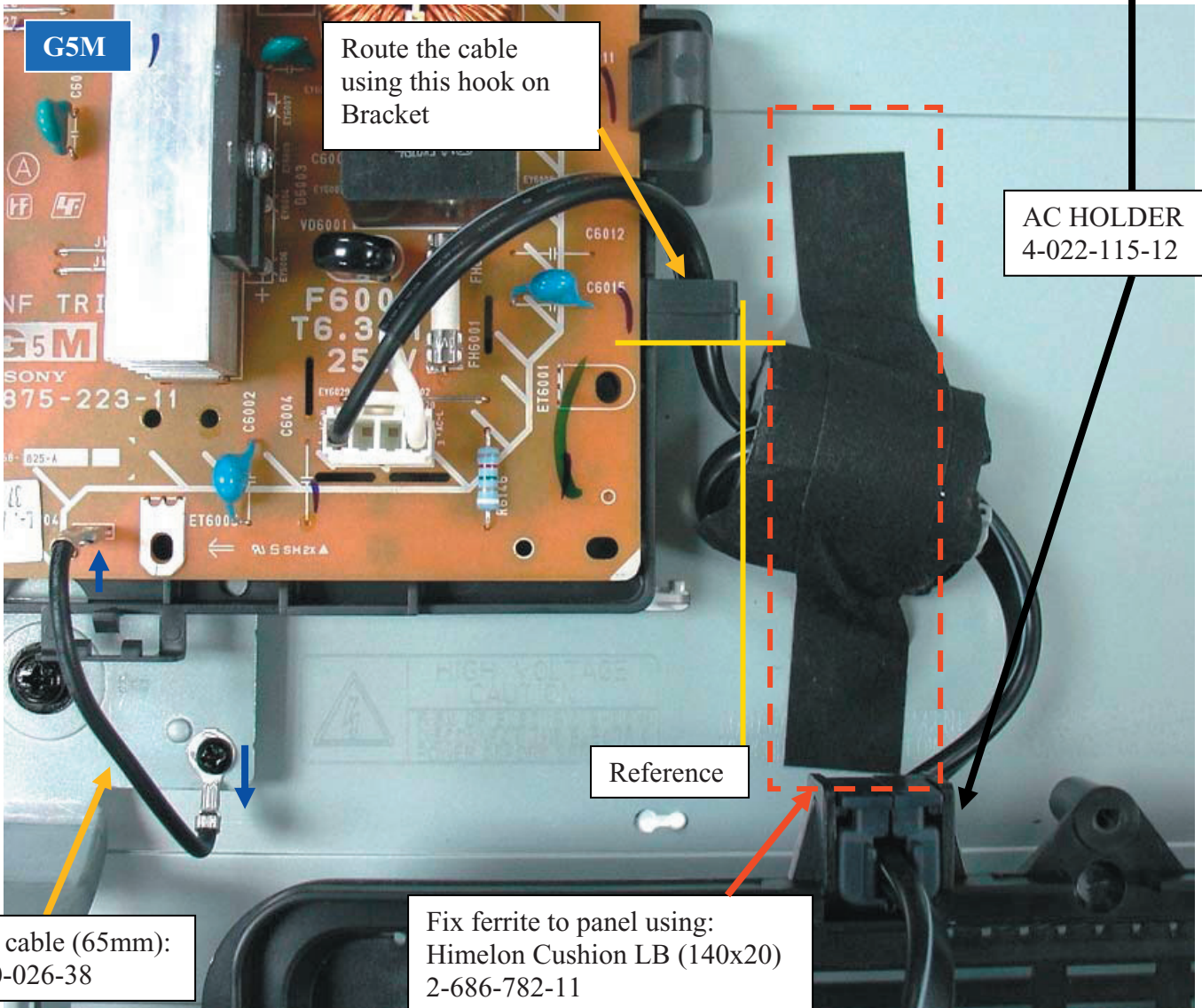
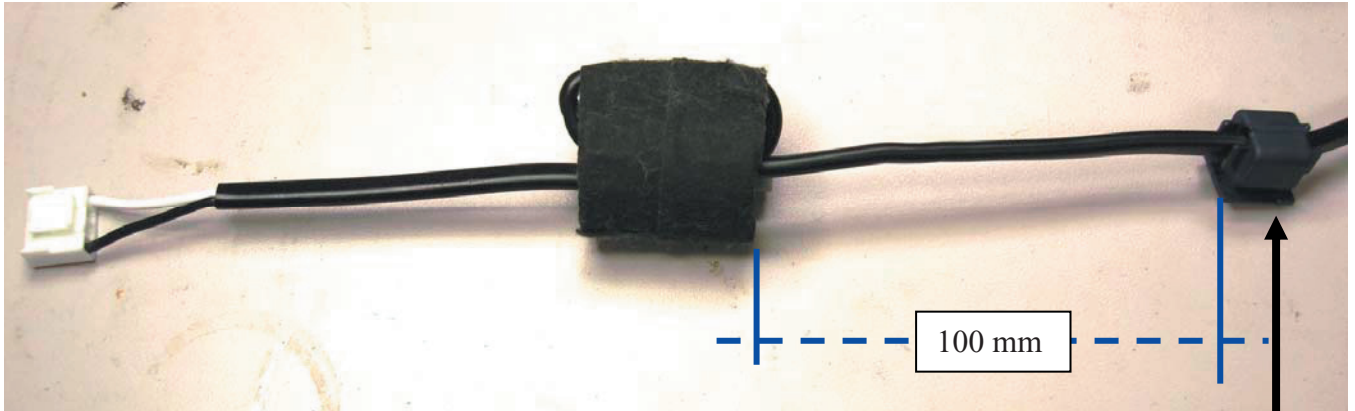


2-8. VIDEO 2 CABLE

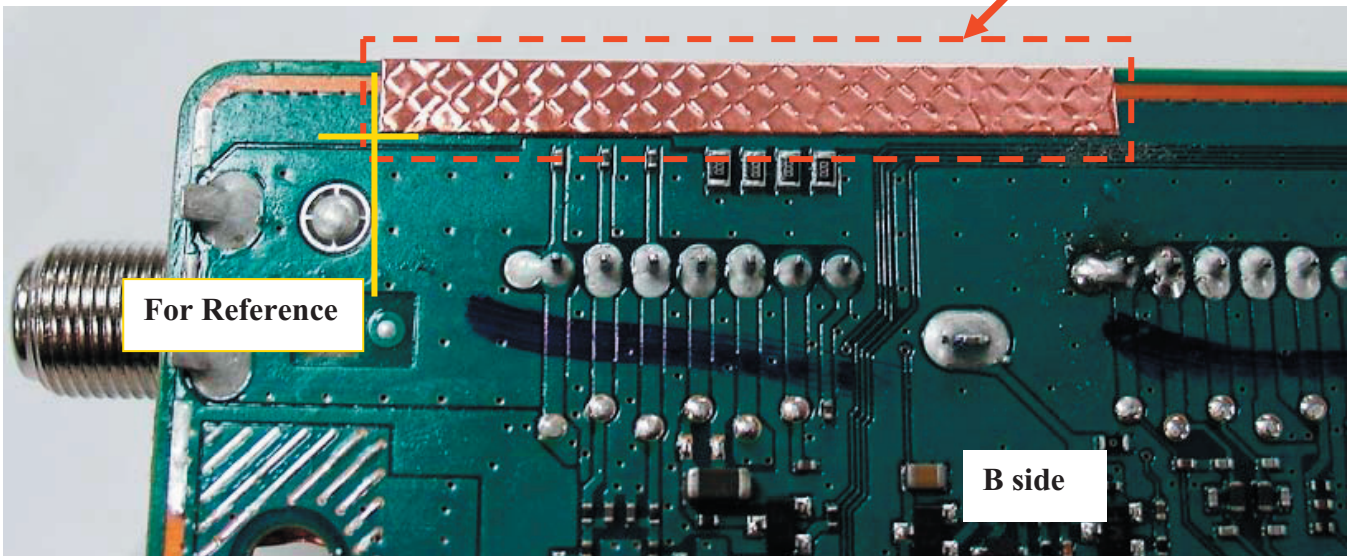
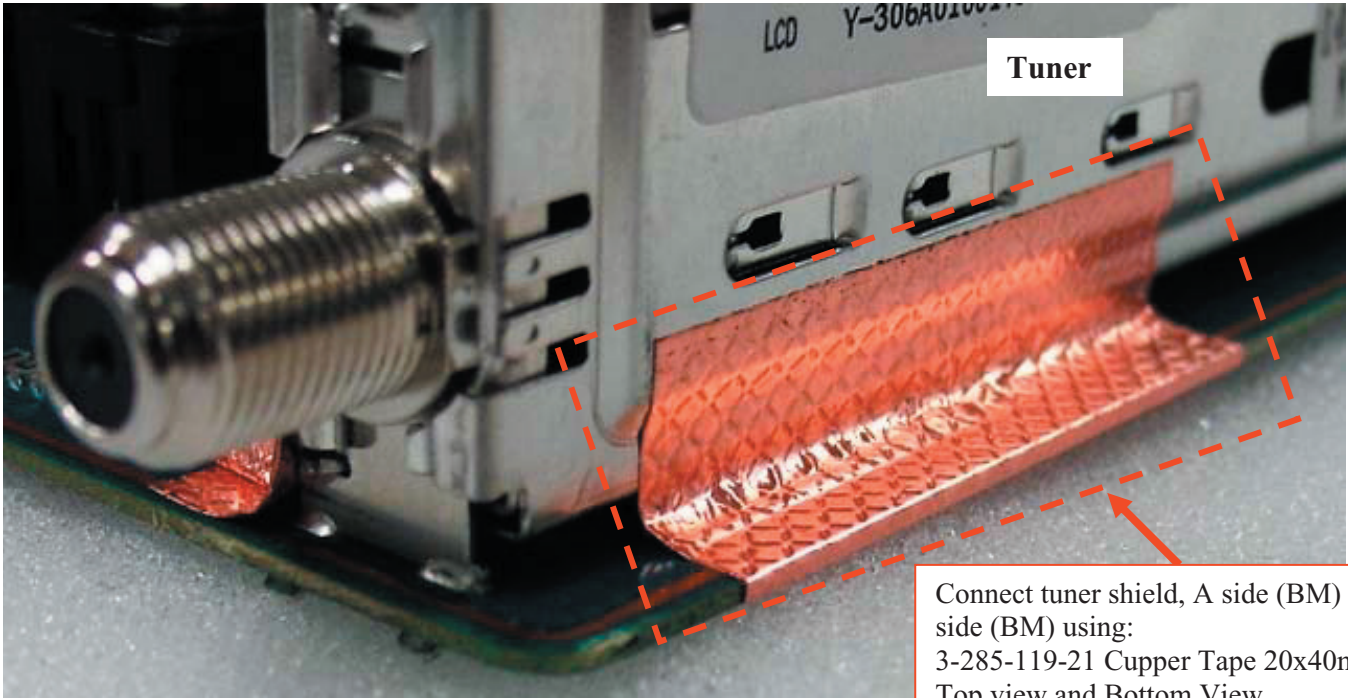




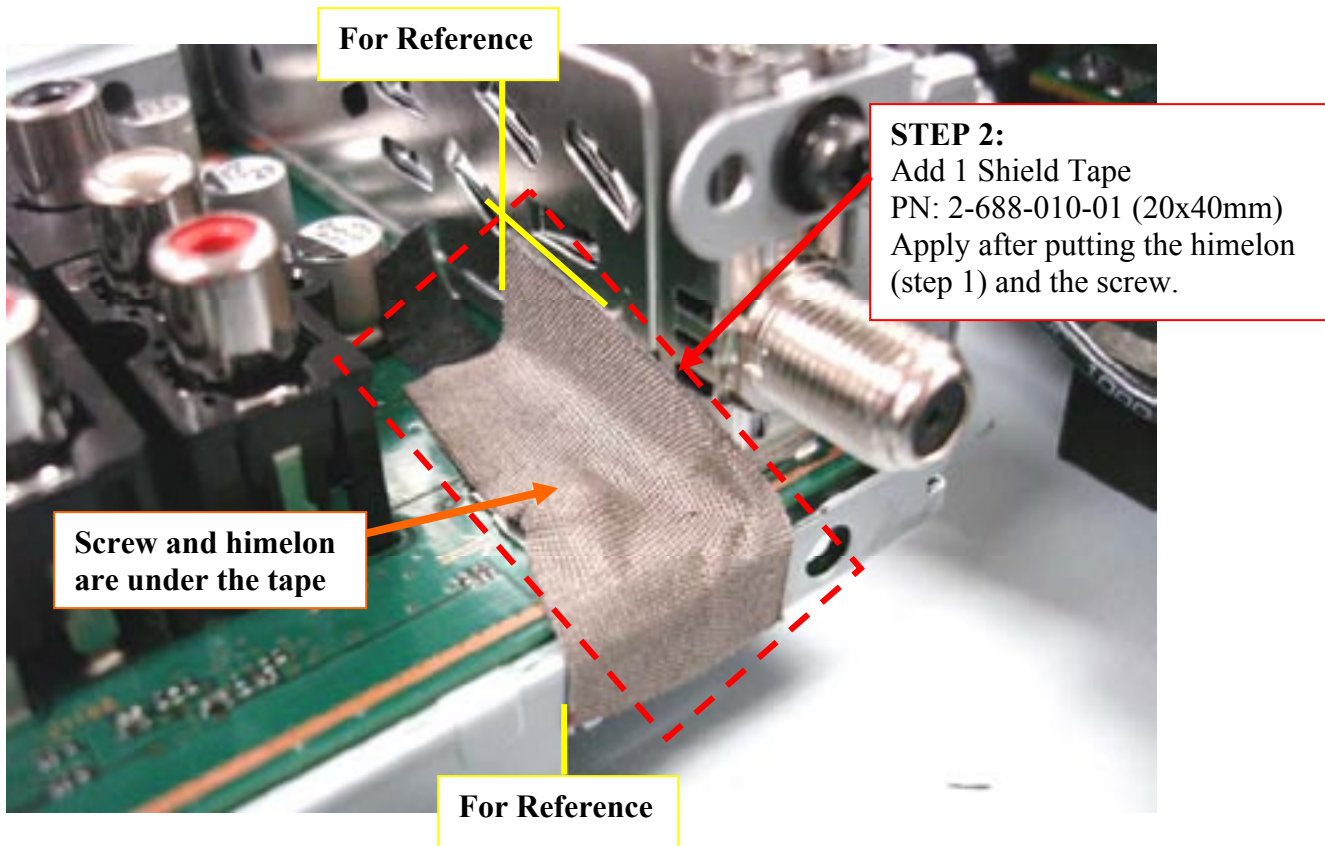
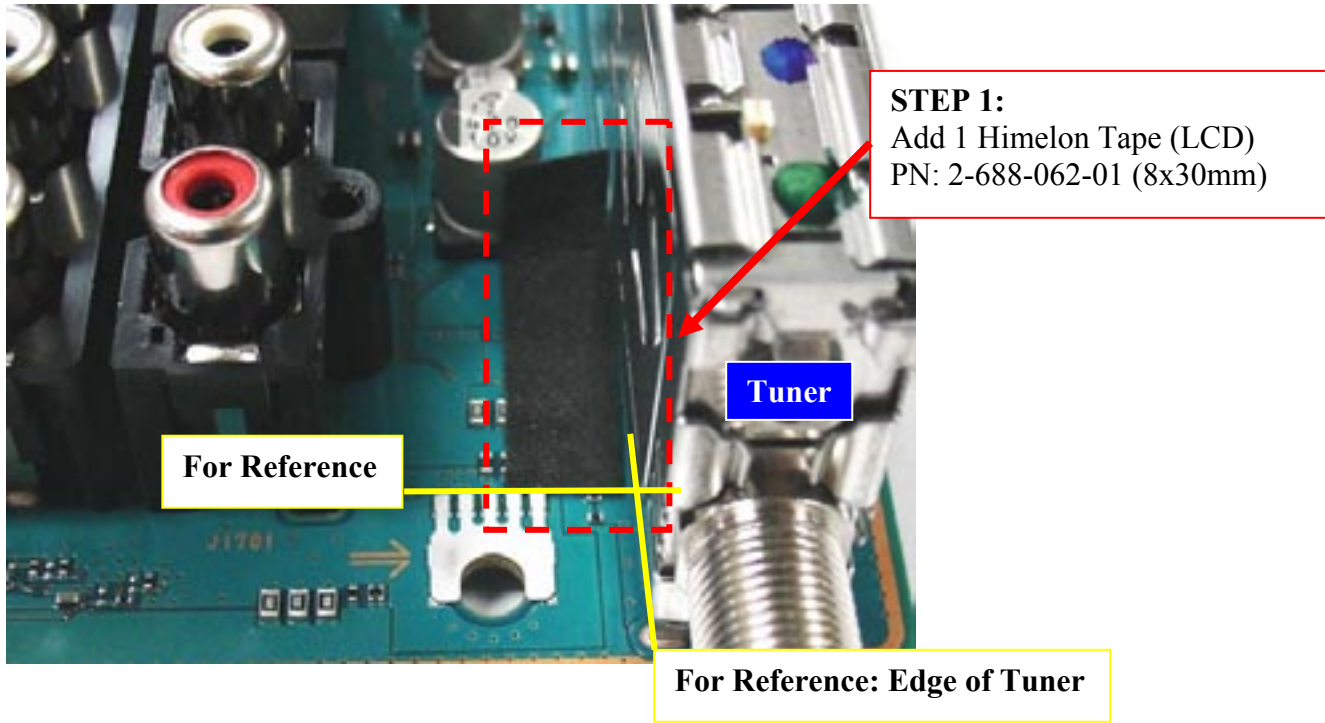
### 2-9. AC CORD



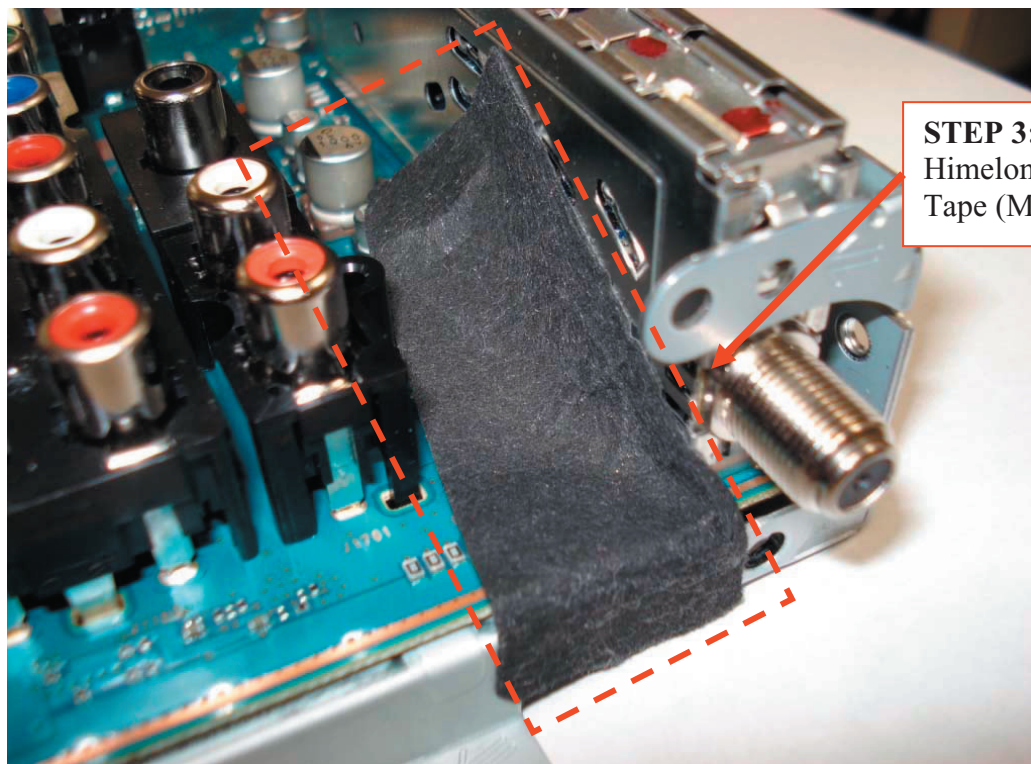
## 2-10. TUNER



## 2-11. TUNER (CONTINUED)



## 2-12. TUNER (CONTINUED)



**STEP 3:**  
Himelton covering Shield Tape  
Tape (M) 3-281-428-01

## SECTION 3: SERVICE ADJUSTMENTS

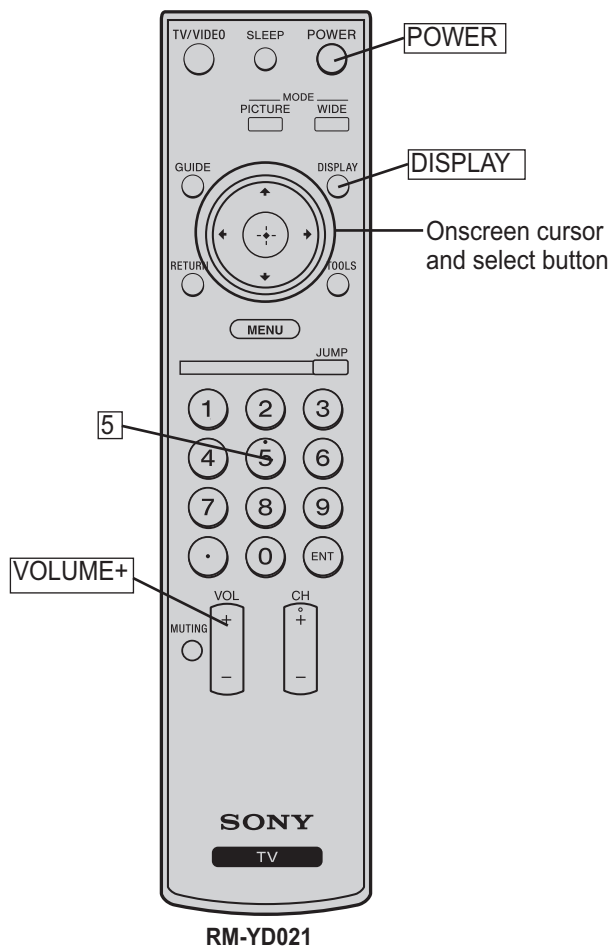
### 3-1. USING THE REMOTE COMMANDER FOR ELECTRICAL ADJUSTMENTS

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

### 3-2. ACCESSING SERVICE ADJUSTMENT MODE

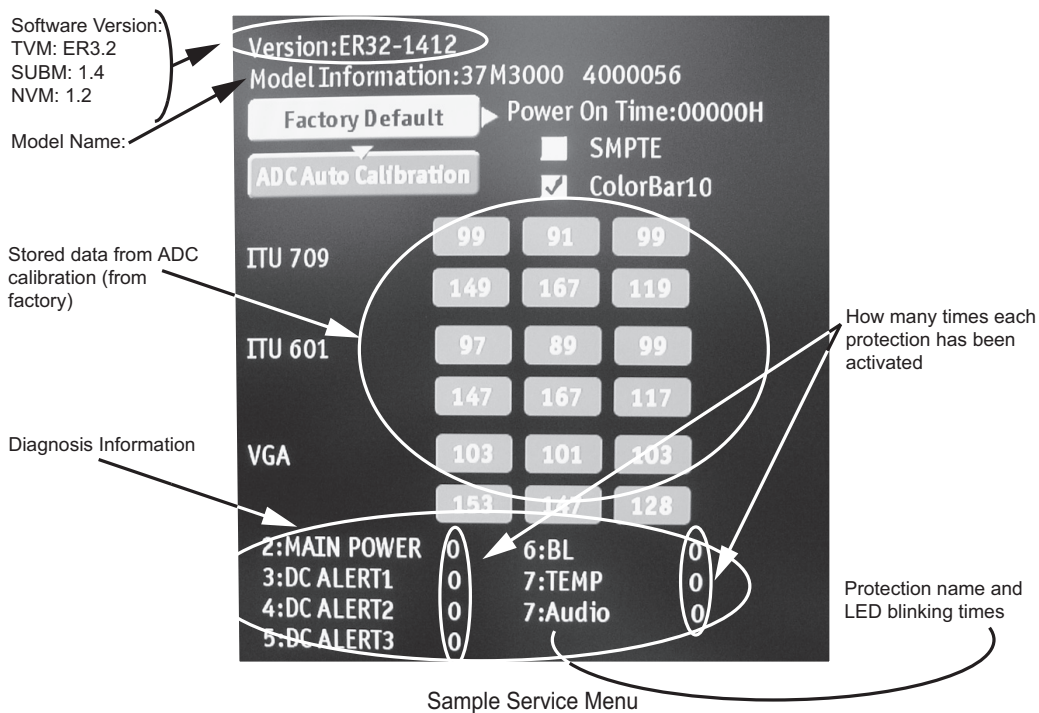
1. TV must be in standby mode. (Power off).
2. To display the service menu, press the following buttons on the Remote Commander within a second of each other:

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



### 3-3. VIEWING THE SERVICE MENUS

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



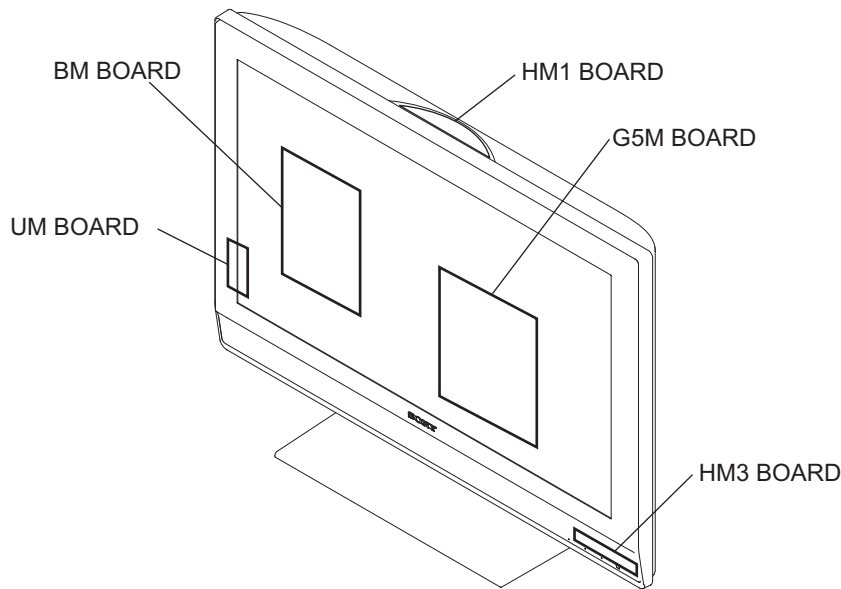
### 3-4. RESETTING TO FACTORY DEFAULTS

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

1. In Service Mode to select **Factory Default** press (+), then to select **Yes** press (+).

## SECTION 4: DIAGRAMS

### 4-1. CIRCUIT BOARDS LOCATION



### 4-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF :  $\mu\text{F}$  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 :  $\frac{1}{4}\text{W}$

$\frac{1}{4}\text{W}$  in resistance,  $\frac{1}{10}\text{W}$  and  $\frac{1}{16}\text{W}$  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  $10\text{M}\Omega$  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 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 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.

## 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

### CAPACITOR

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

### COIL

: LF-8L MICRO INDUCTOR

## Terminal name of semiconductors in silk screen printed circuit (※)

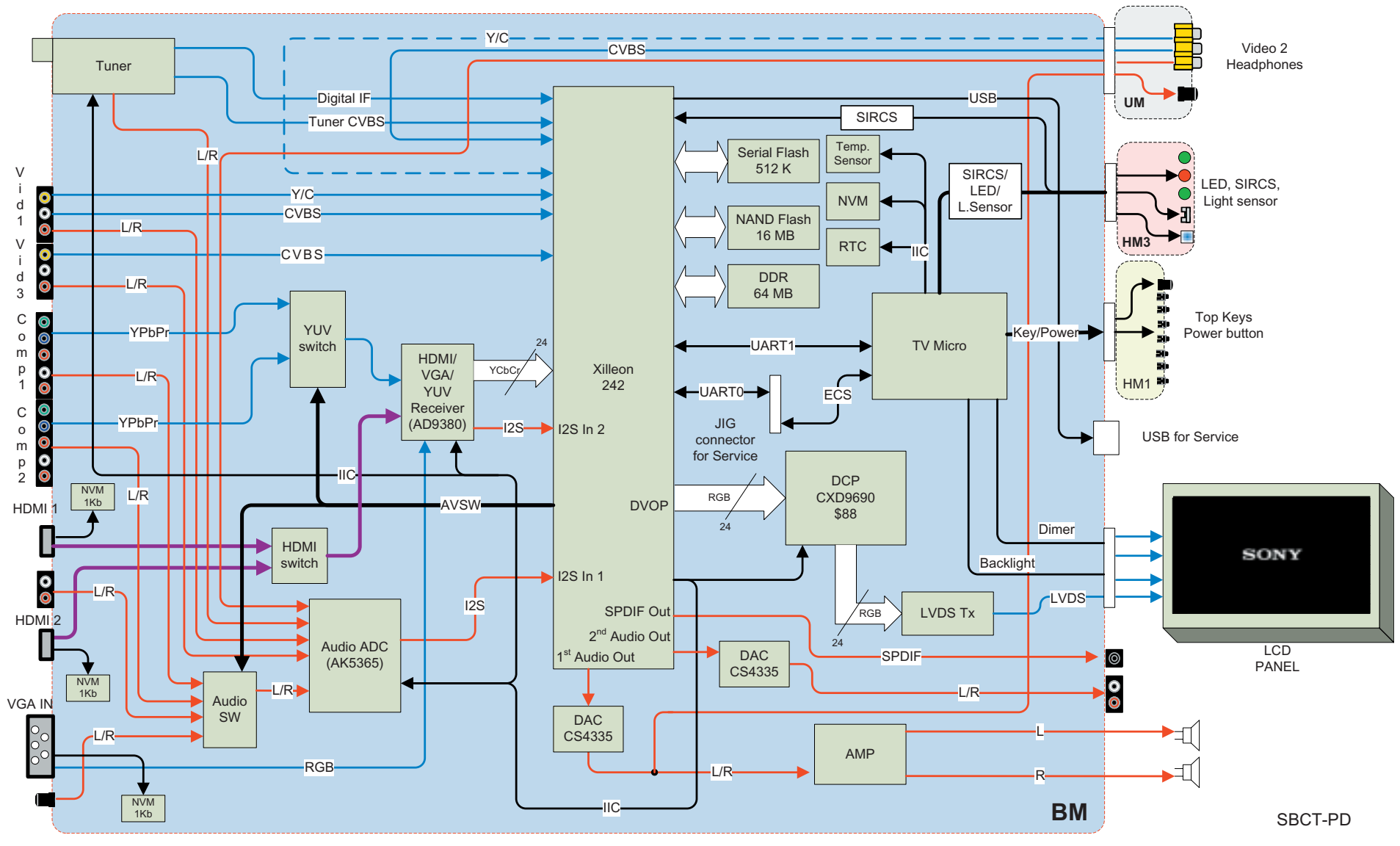
	Device	Printed symbol	Terminal name	Circuit
1	Transistor		Collector Base Emitter	
2	Transistor		Collector Base Emitter	
3	Diode		Cathode Anode	
4	Diode		Cathode Anode (NC)	
5	Diode		Cathode Anode (NC)	
6	Diode		Common Anode Cathode	
7	Diode		Common Anode Cathode	
8	Diode		Common Anode Anode	
9	Diode		Common Anode Anode	
0	Diode		Common Cathode Cathode	
!j	Diode		Common Cathode Cathode	
!TM	Diode		Anode Anode Cathode Cathode	
!£	Transistor (FET)		Drain Source Gate	
!Ç	Transistor (FET)		Drain Source Gate	
!?	Transistor (FET)		Source Drain Gate	
!§	Transistor		Emitter Collector Base	
!¶	Transistor		C2 B1 E1 E2 B2 C1	
!•	Transistor		C1 B2 E2 E1 B1 C2	
!a	Transistor		C1 B2 E2 E1 B1 C2	
@°	Transistor		C1 B2 E2 E1 B1 C2	
@₁	Transistor		E2 B1 E1 C2 C1(B2)	
@TM	Transistor		(B2) B1 E1 E2 C1 C2	
@£	Transistor		(B2) E2 E1 B1 C2 C1	
—	Discrete semiconductot			

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

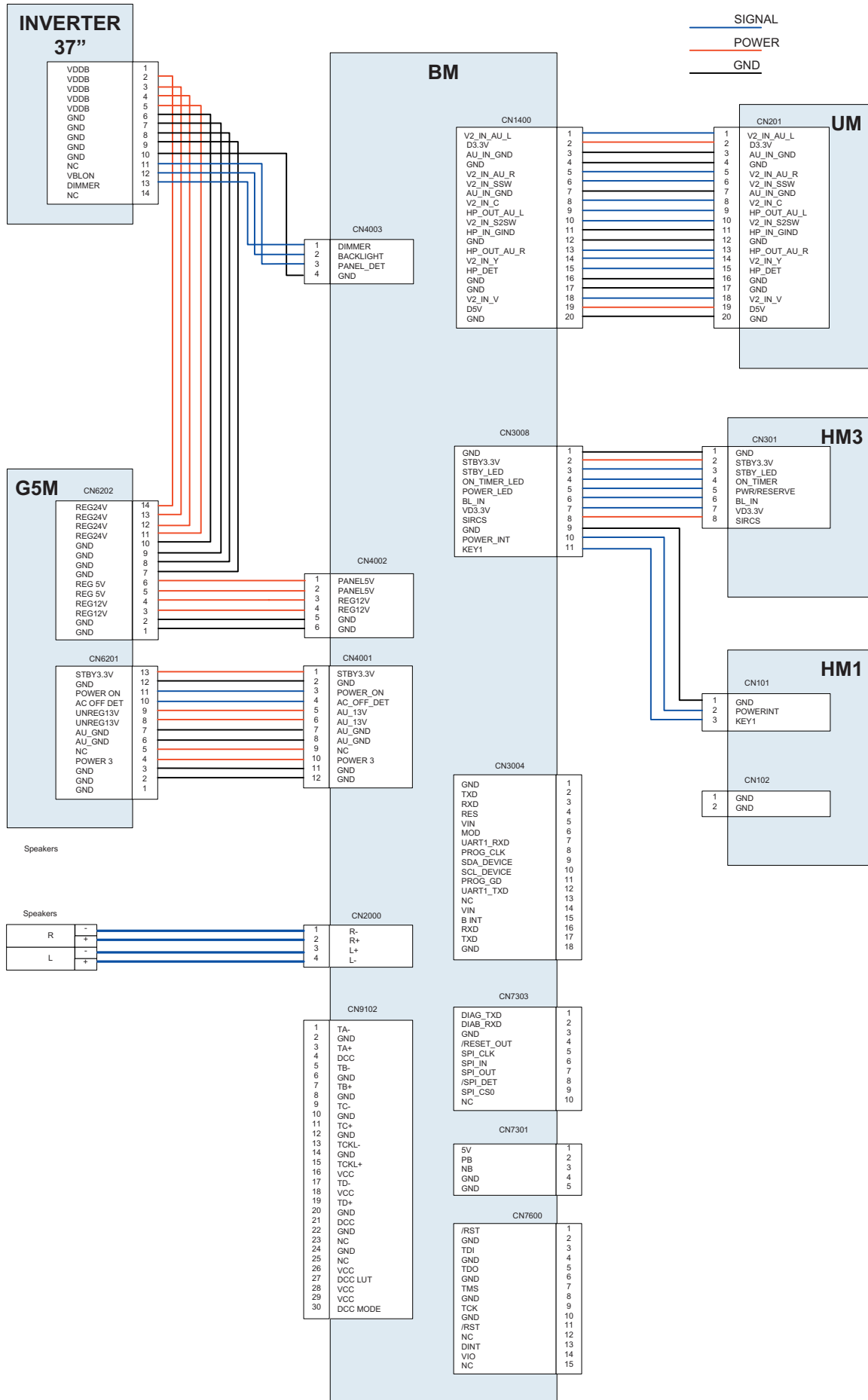
Ver.1.6



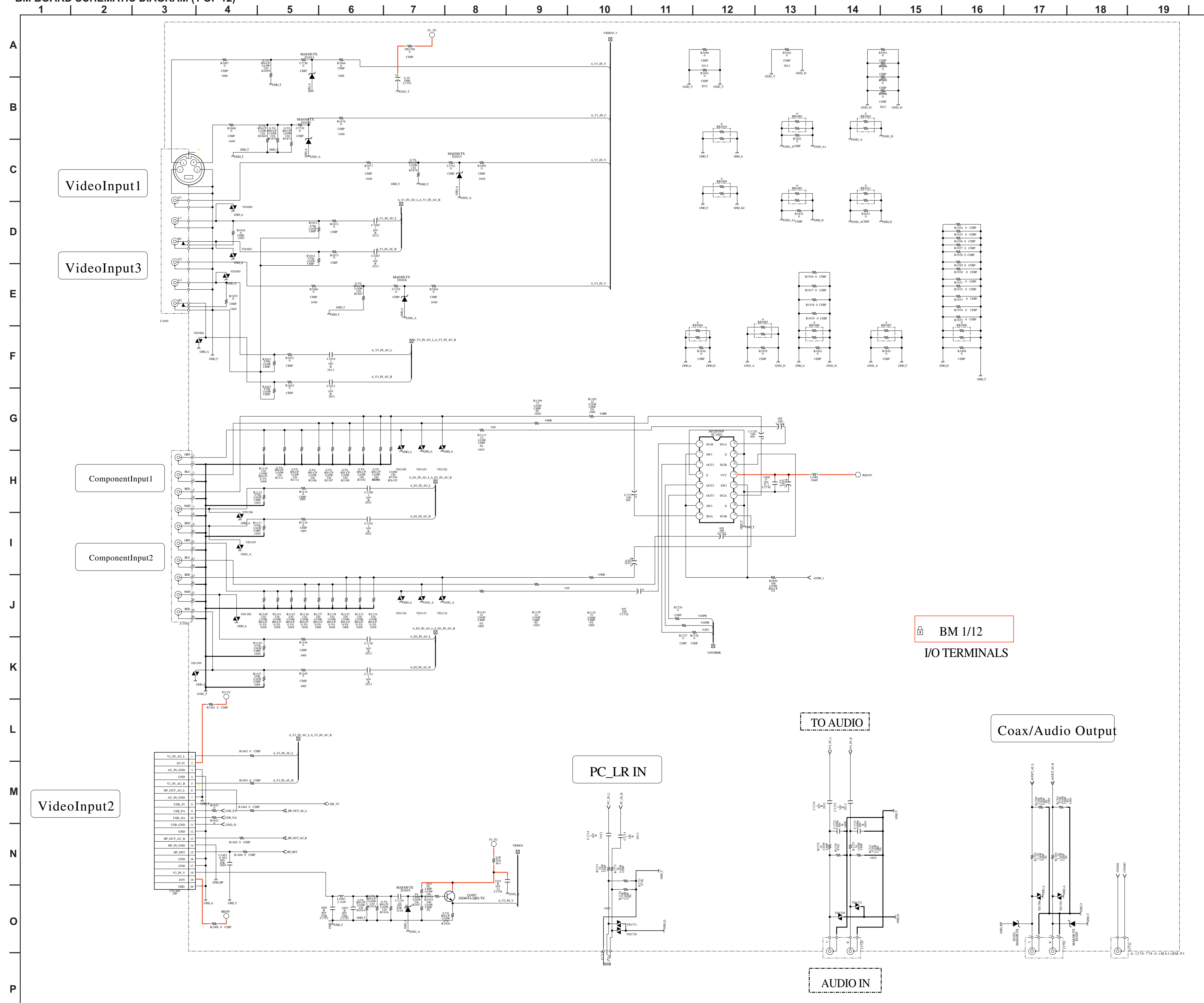
### 4-3. BLOCK DIAGRAM



### 4-4. CONNECTION DIAGRAM



4-5. SCHEMATICS AND SUPPORTING INFORMATION  
BM BOARD SCHEMATIC DIAGRAM (1 OF 12)



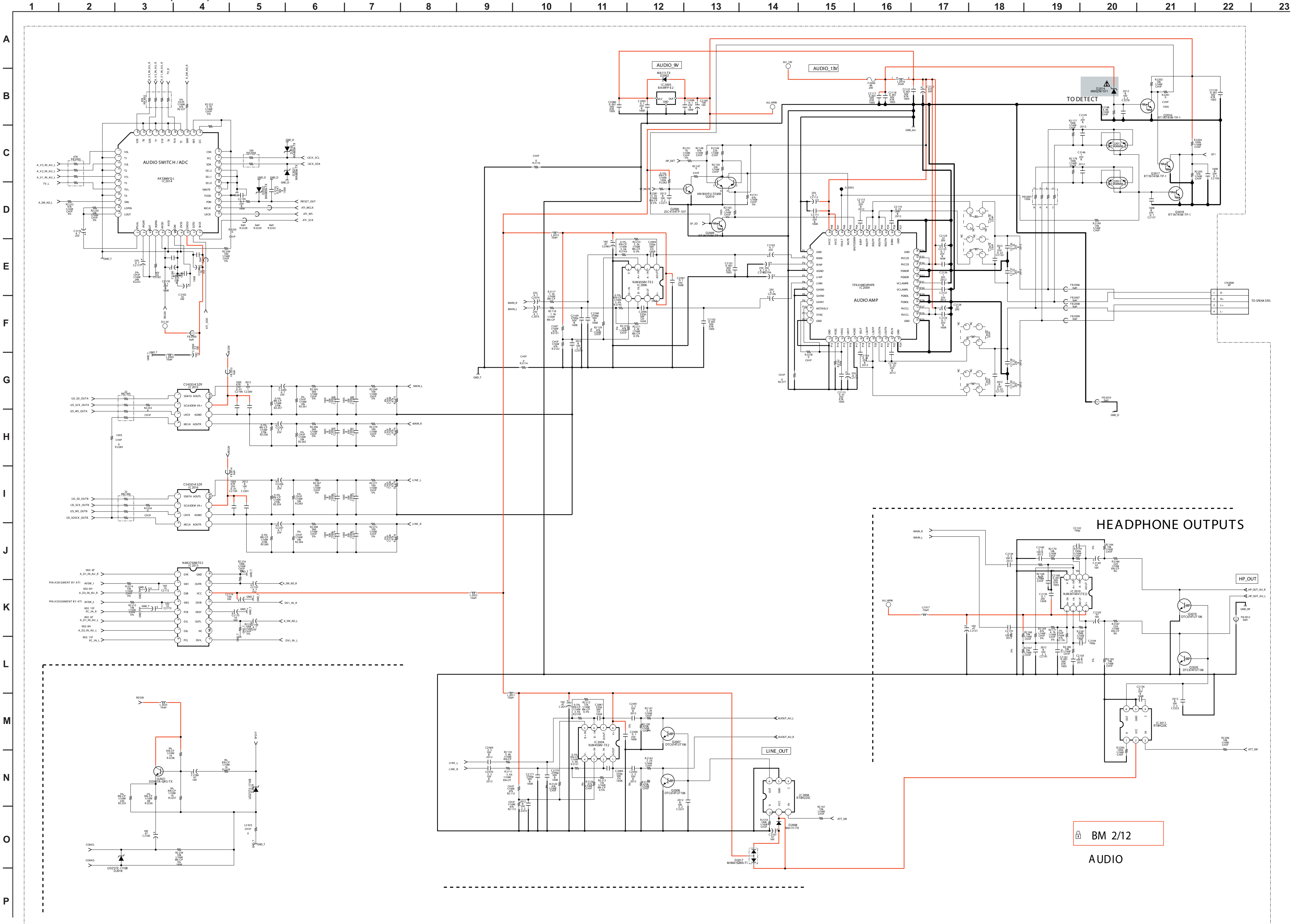
BM 1/12  
I/O TERMINALS

TO AUDIO

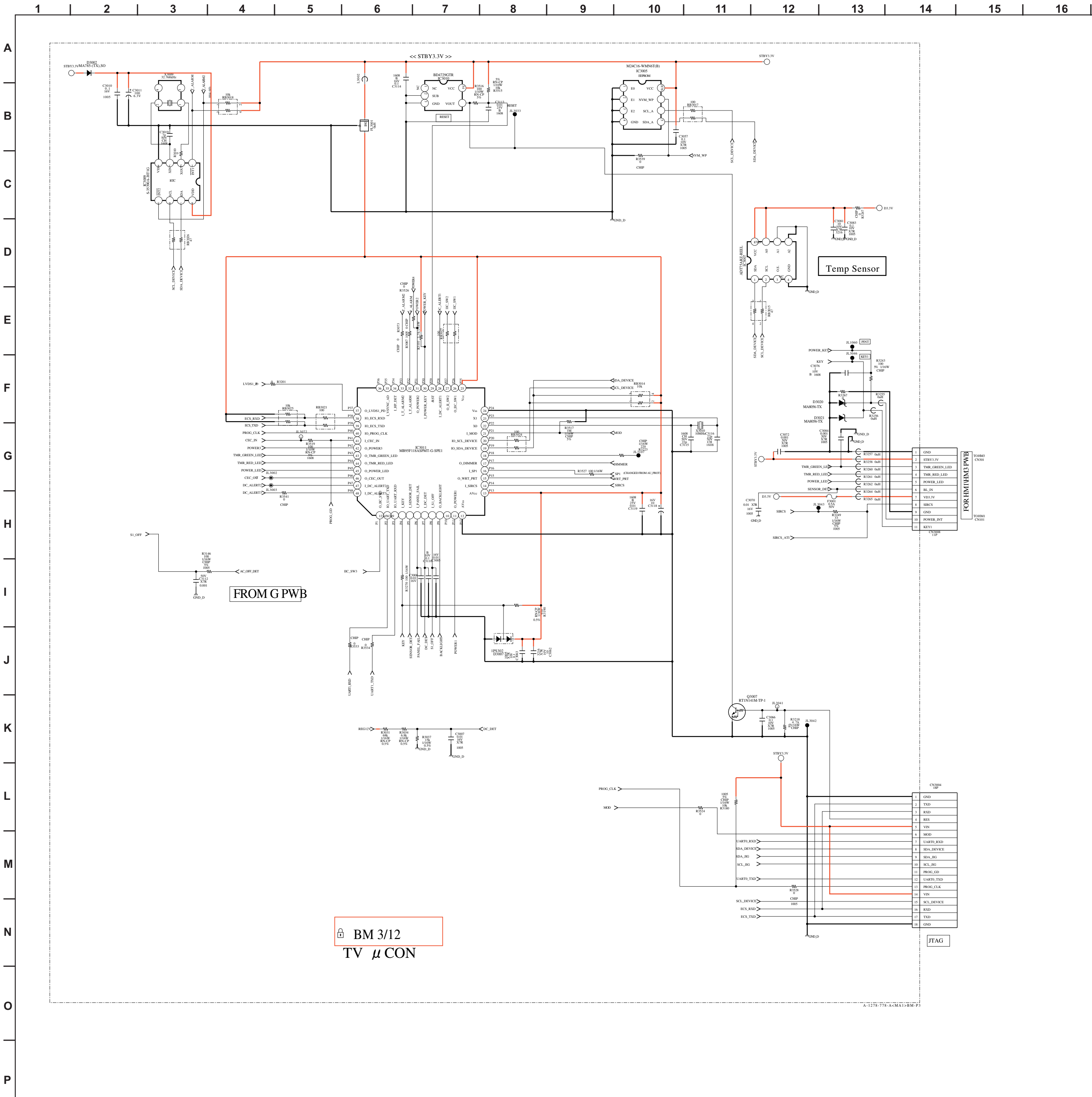
Coax/Audio Output

AUDIO IN

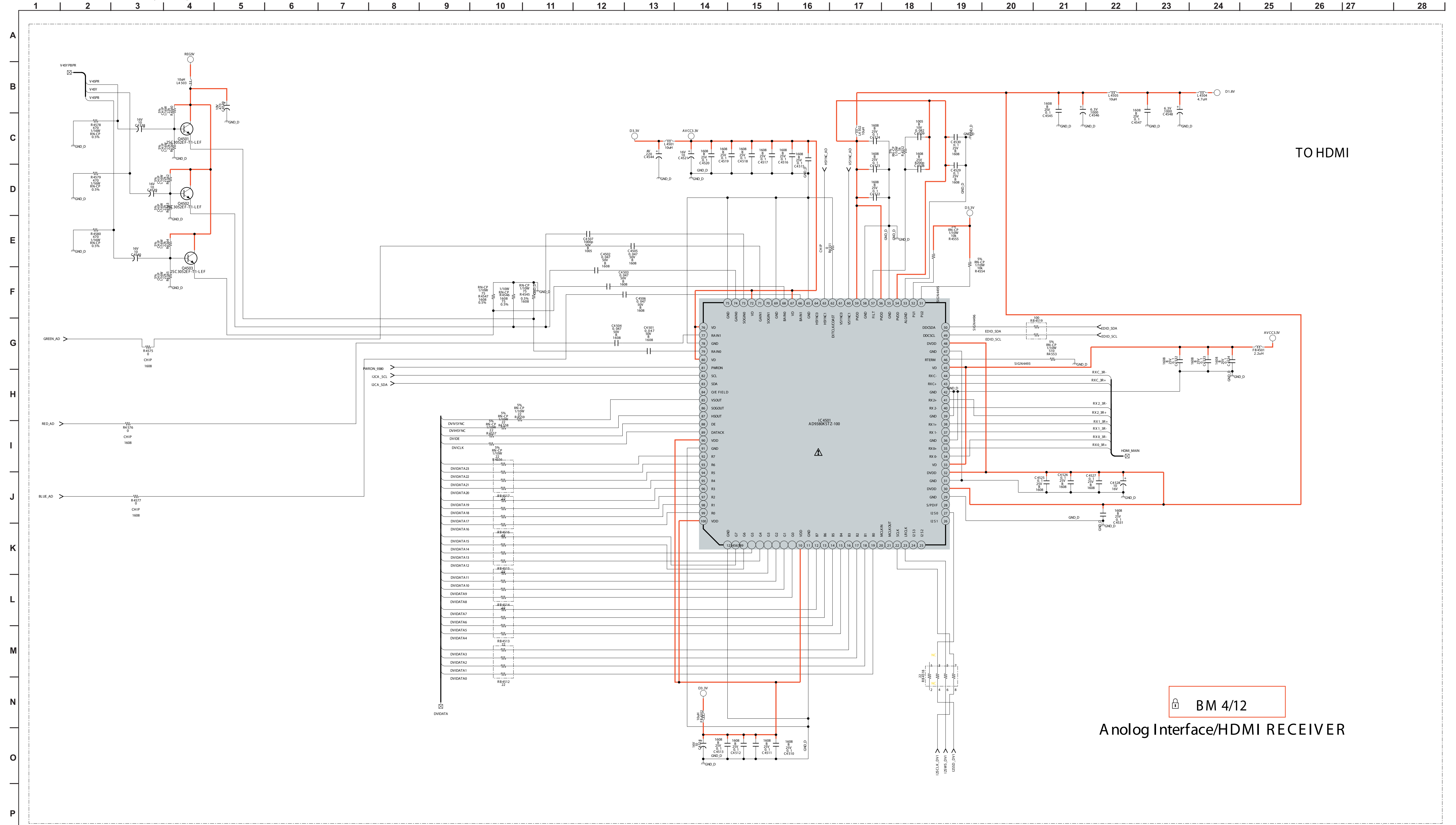
BM BOARD SCHEMATIC DIAGRAM (2 OF 12)



BM BOARD SCHEMATIC DIAGRAM (3 OF 12)



BM BOARD SCHEMATIC DIAGRAM (4 OF 12)

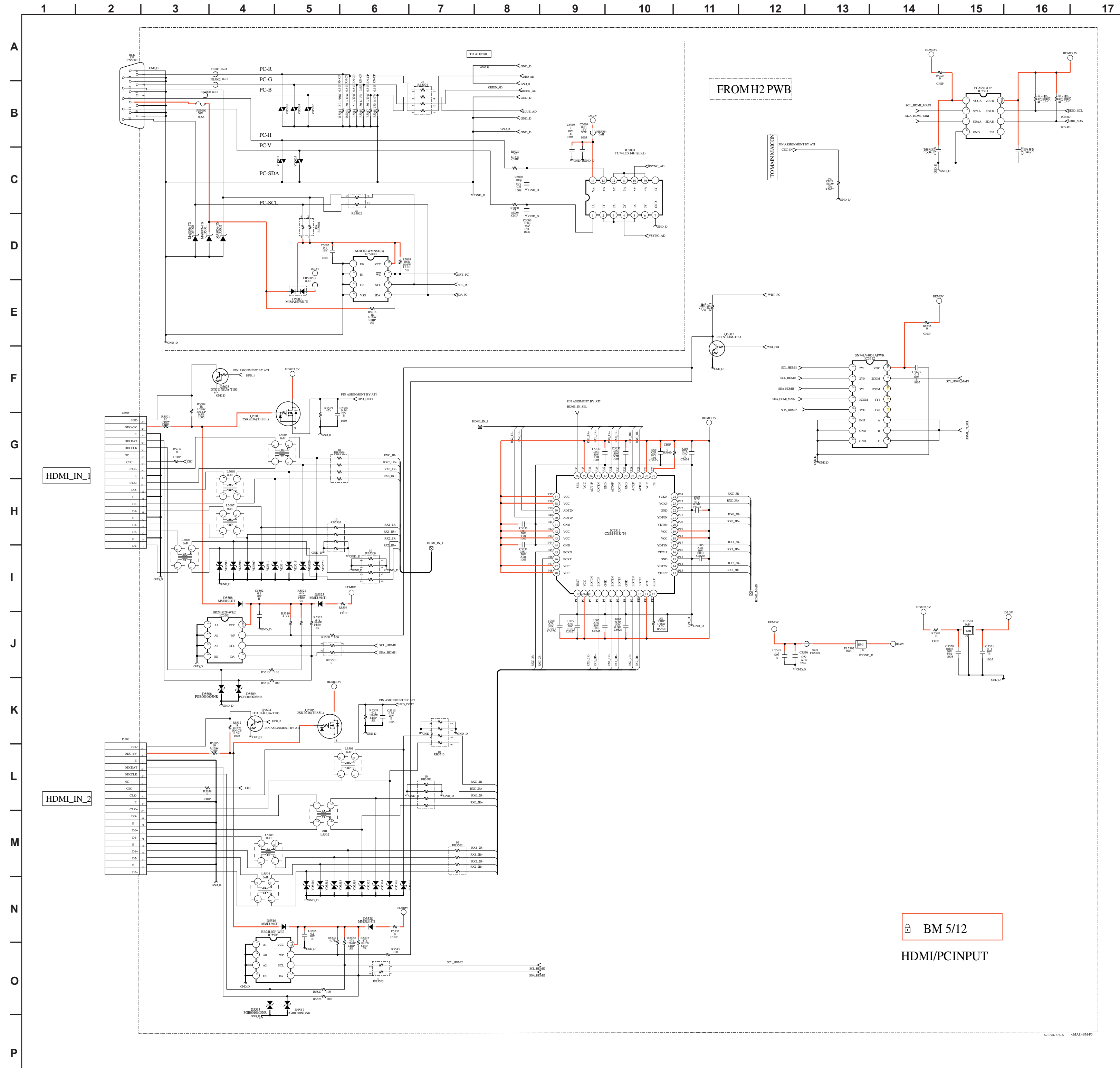


TO HDMI

BM 4/12

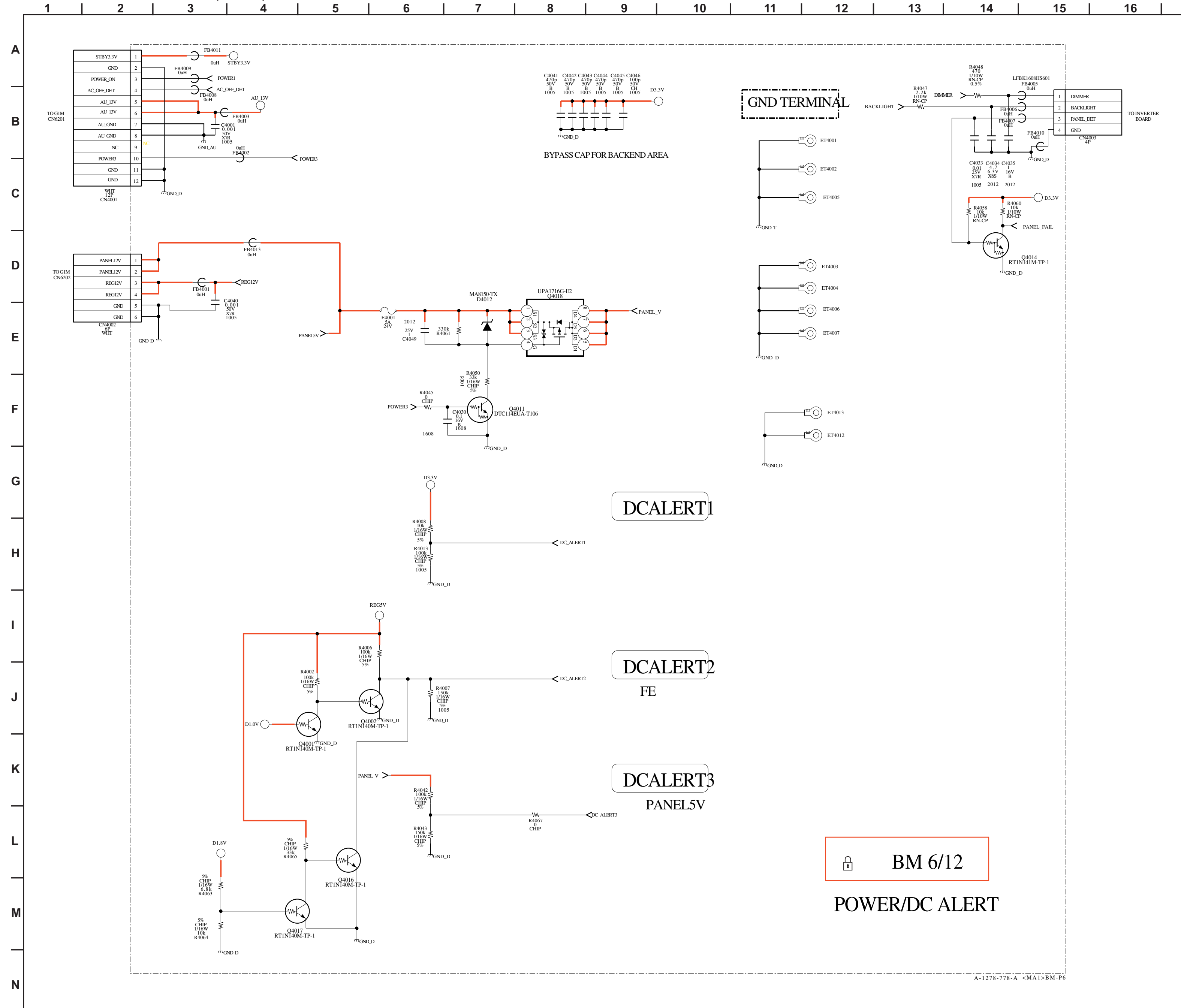
Analog Interface/HDMI RECEIVER

BM BOARD SCHEMATIC DIAGRAM (5 OF 12)



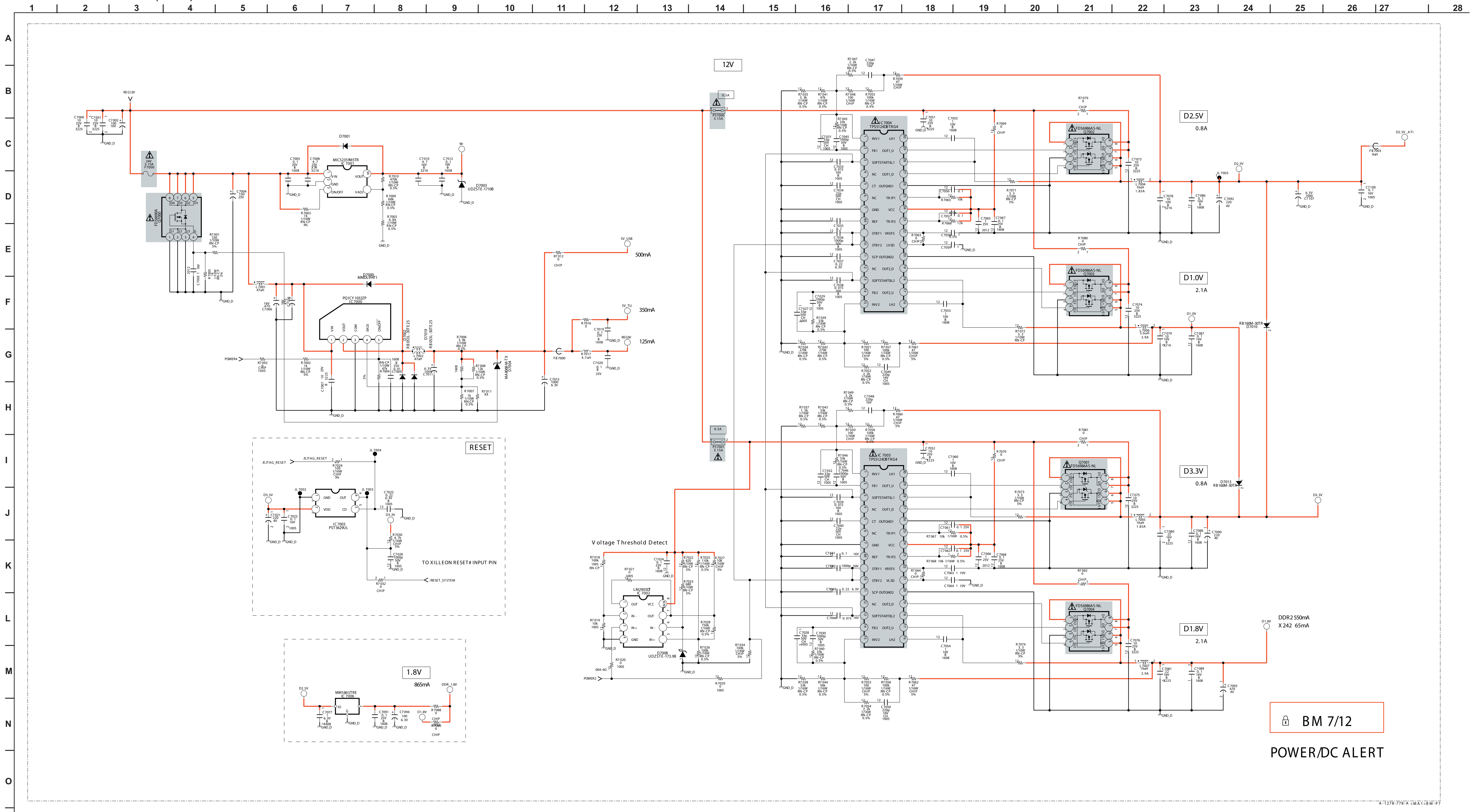
BM 5/12  
HDMI/PCINPUT

BM BOARD SCHEMATIC DIAGRAM (6 OF 12)





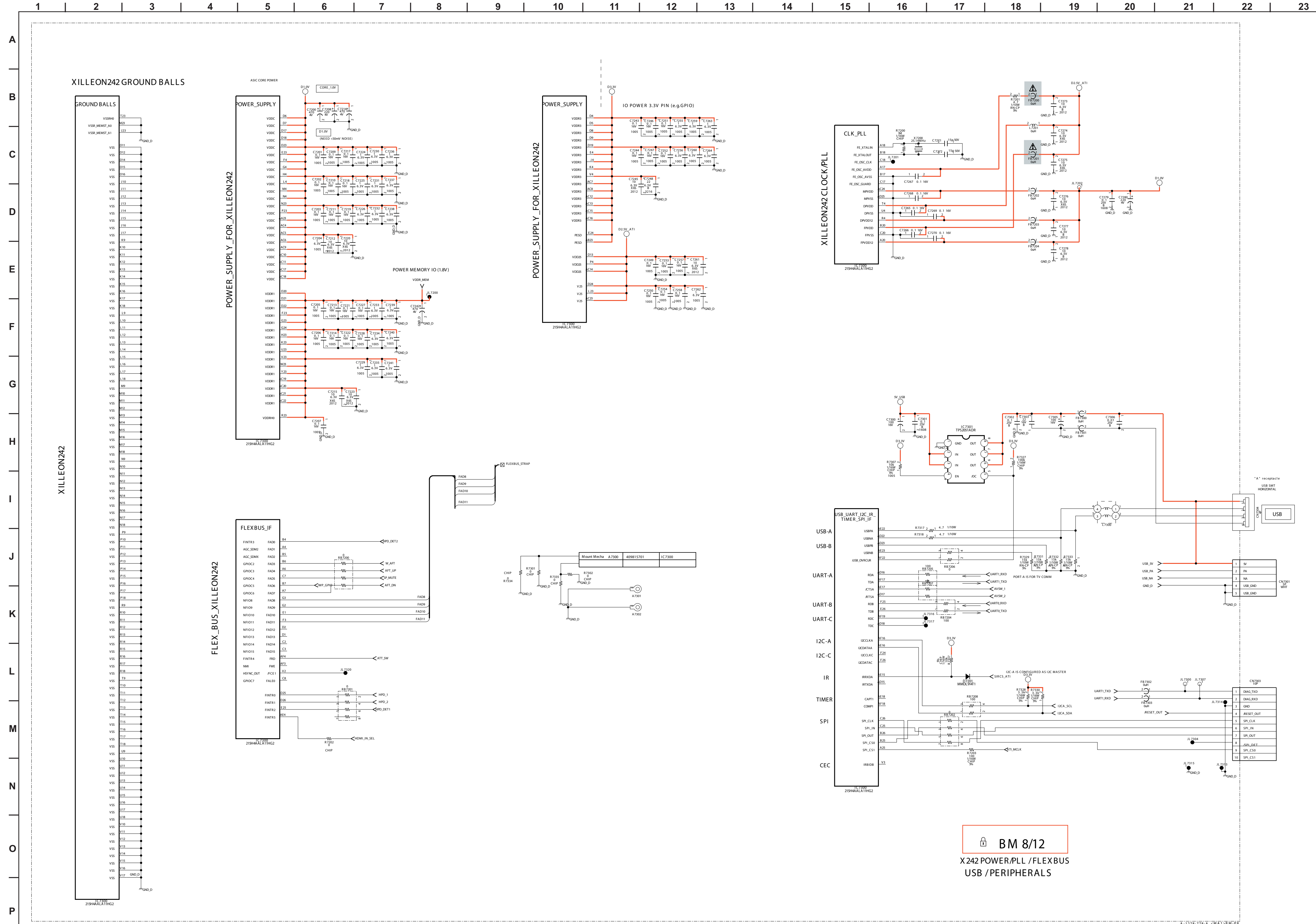
BM BOARD SCHEMATIC DIAGRAM (7 OF 12)



BM 7/12

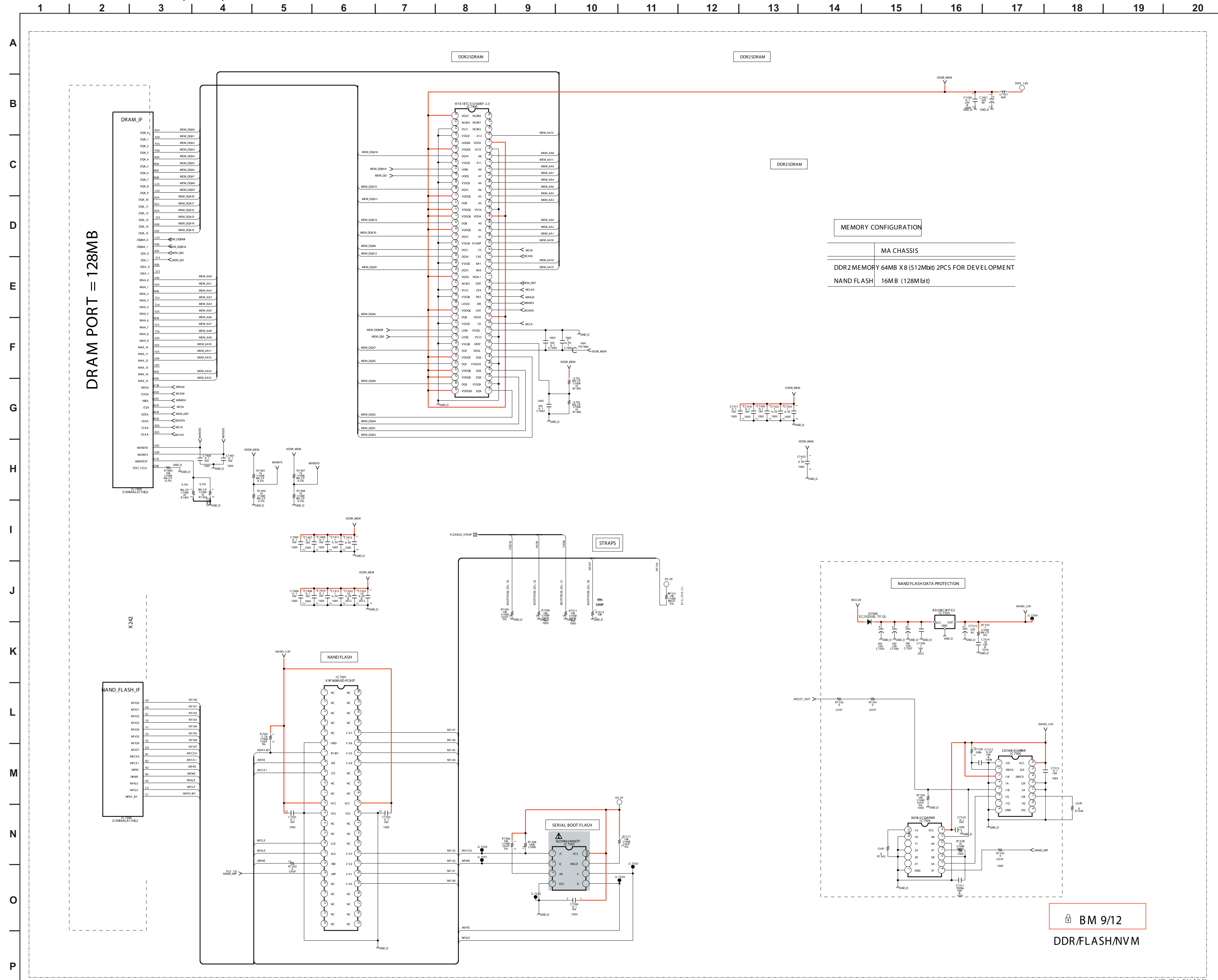
POWER/DC ALERT

BM BOARD SCHEMATIC DIAGRAM (8 OF 12)



BM 8/12  
X242 POWER/PLL / FLEXBUS  
USB / PERIPHERALS

BM BOARD SCHEMATIC DIAGRAM (9 OF 12)

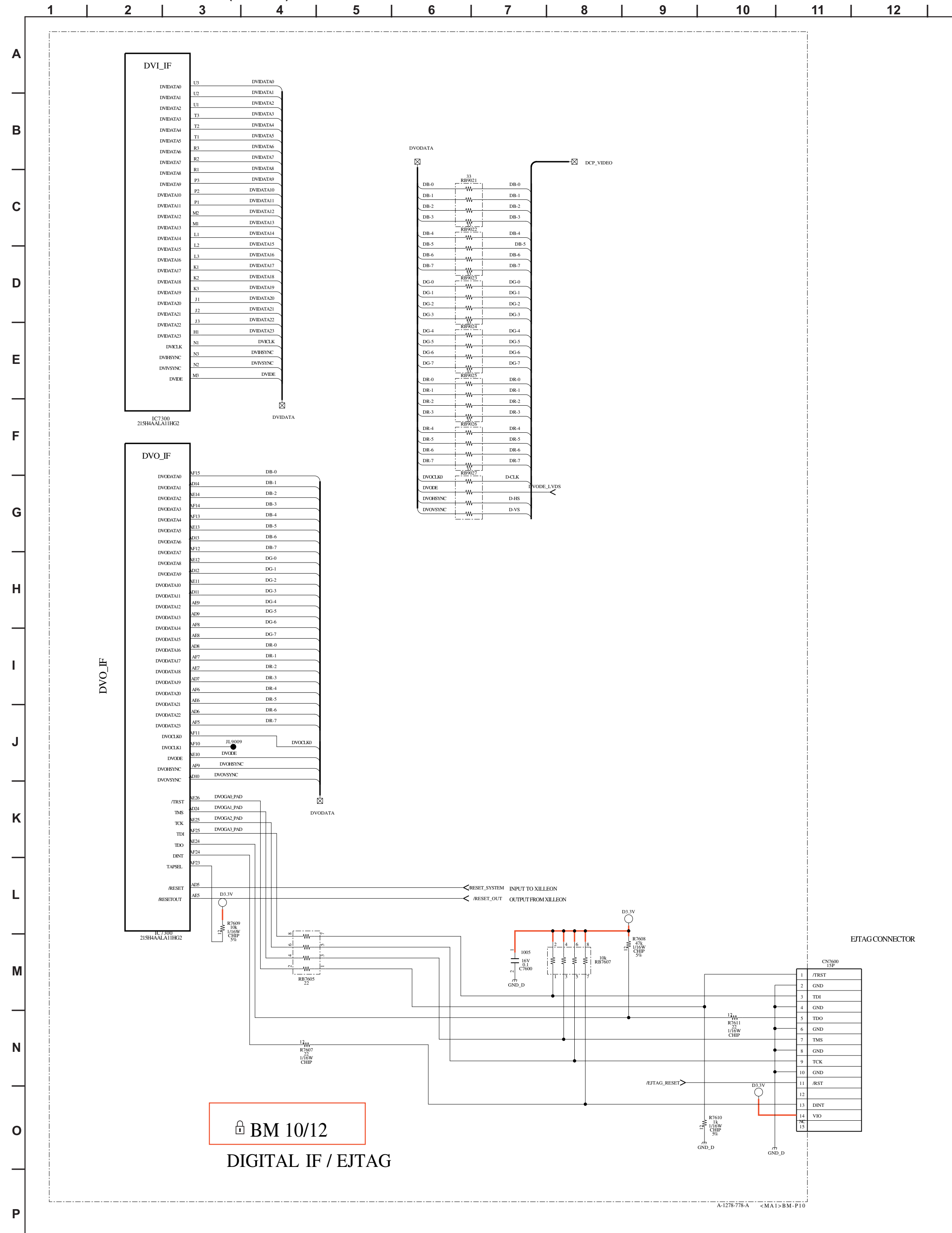


**MEMORY CONFIGURATION**

MA CHASSIS	
DDR2 MEMORY	64MB X8 (512Mbit) 2PCS FOR DEVELOPMENT
NAND FLASH	16MB (128Mbit)

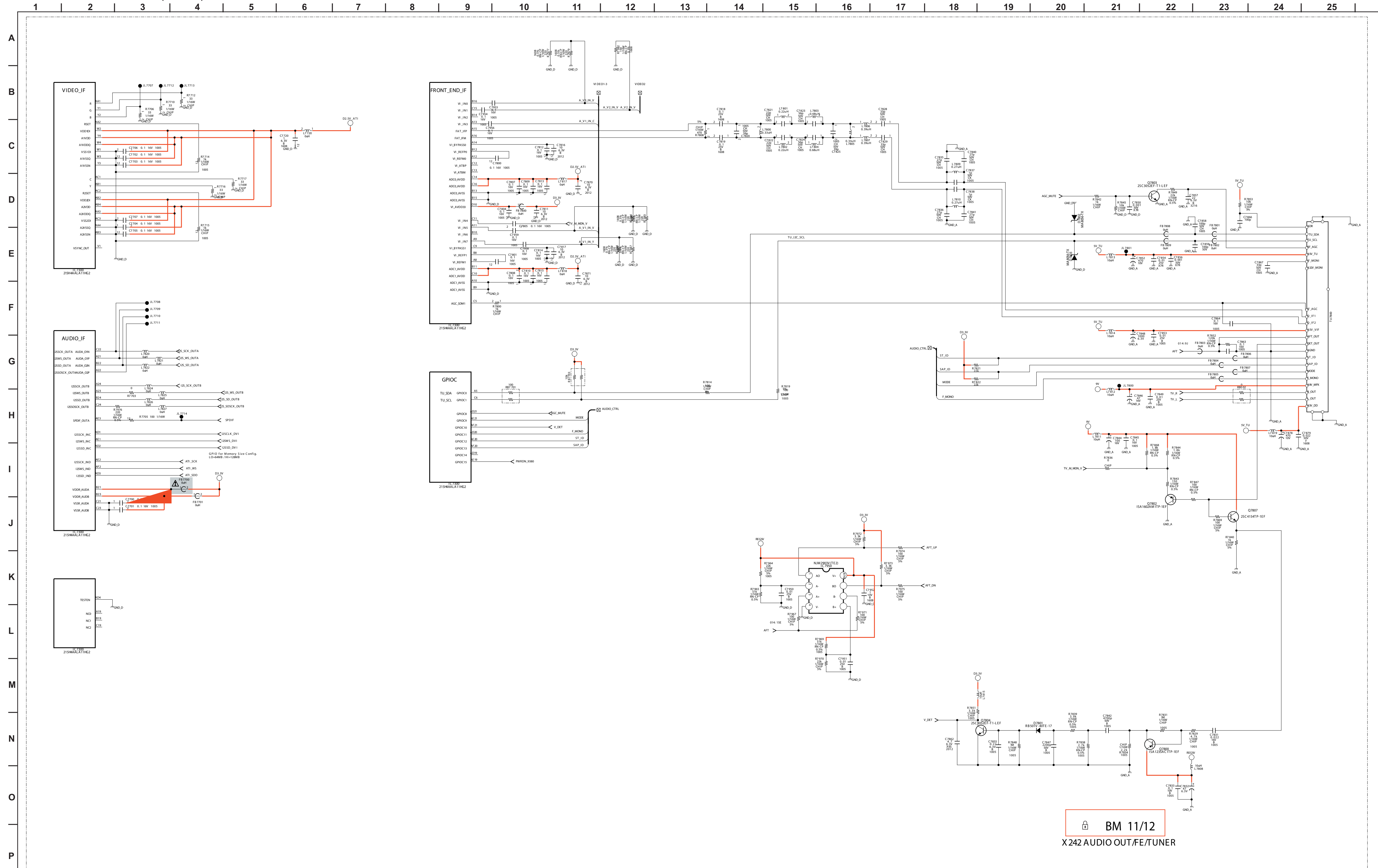
BM 9/12  
DDR/FLASH/NVM

BM BOARD SCHEMATIC DIAGRAM (10 OF 12)



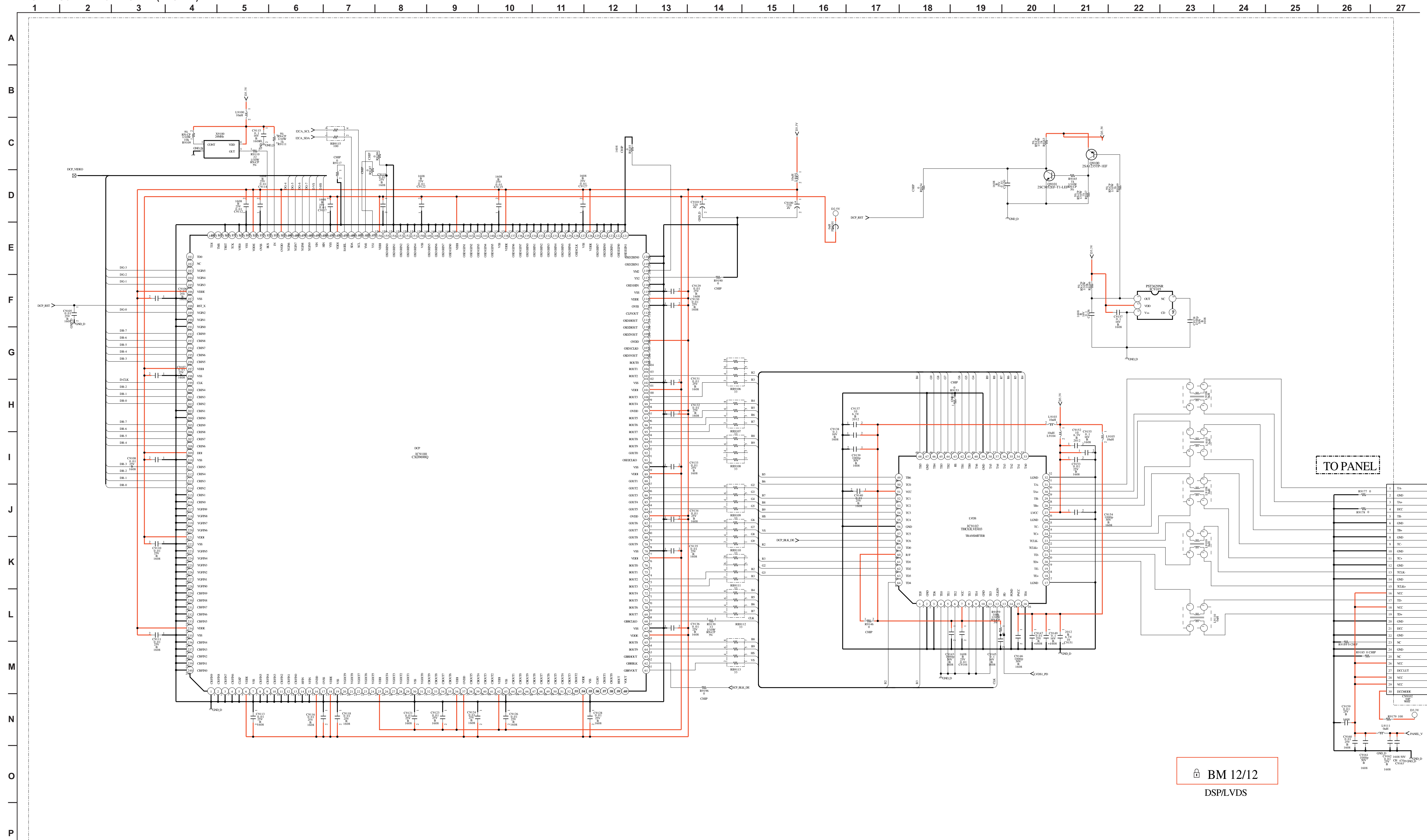
BM 10/12  
DIGITAL IF / E/JTAG

BM BOARD SCHEMATIC DIAGRAM (11 OF 12)



BM 11/12 X 242 AUDIO OUT/FE/TUNER

BM BOARD SCHEMATIC DIAGRAM (12 OF 12)

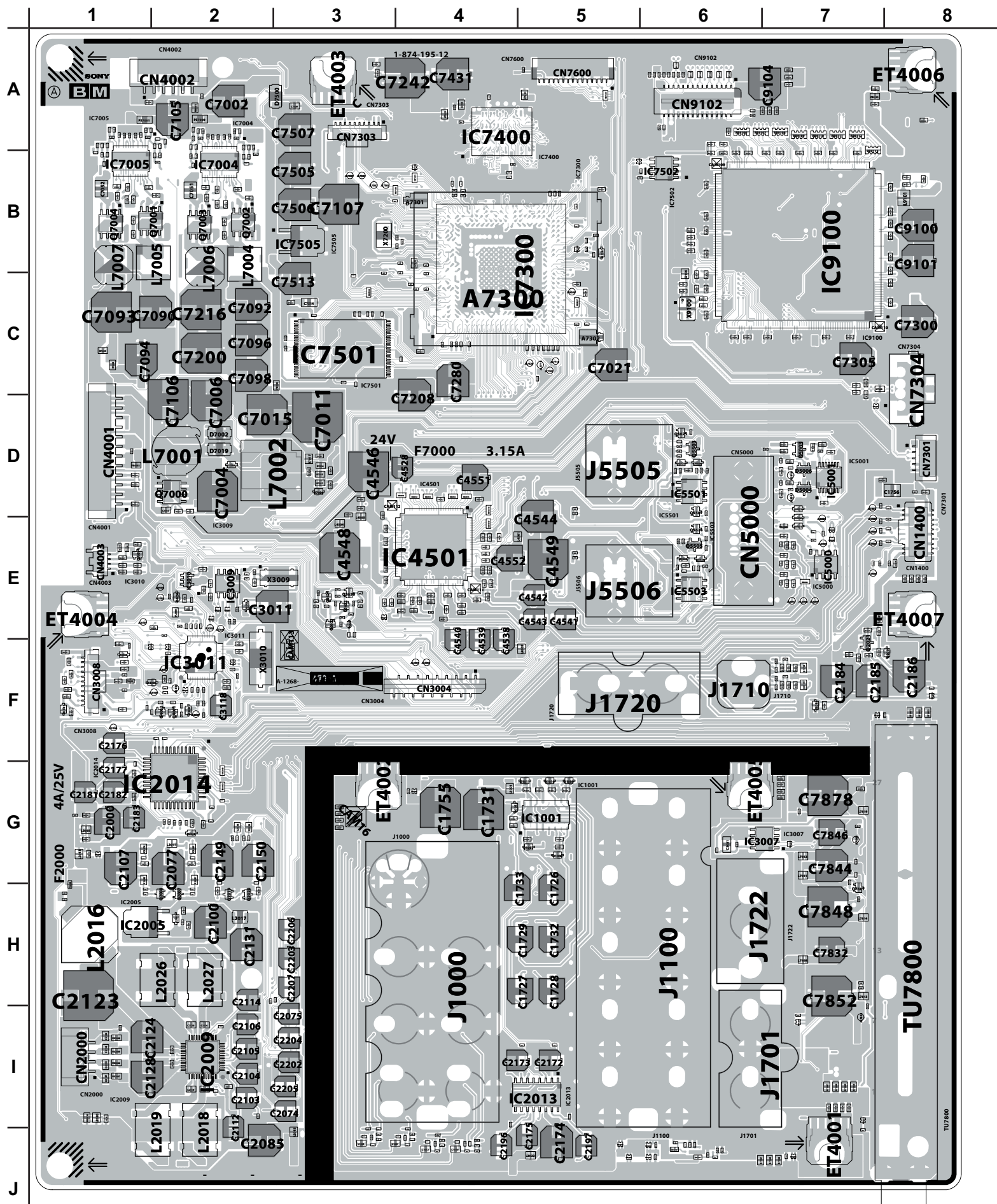


BM 12/12 DSP/LVDS



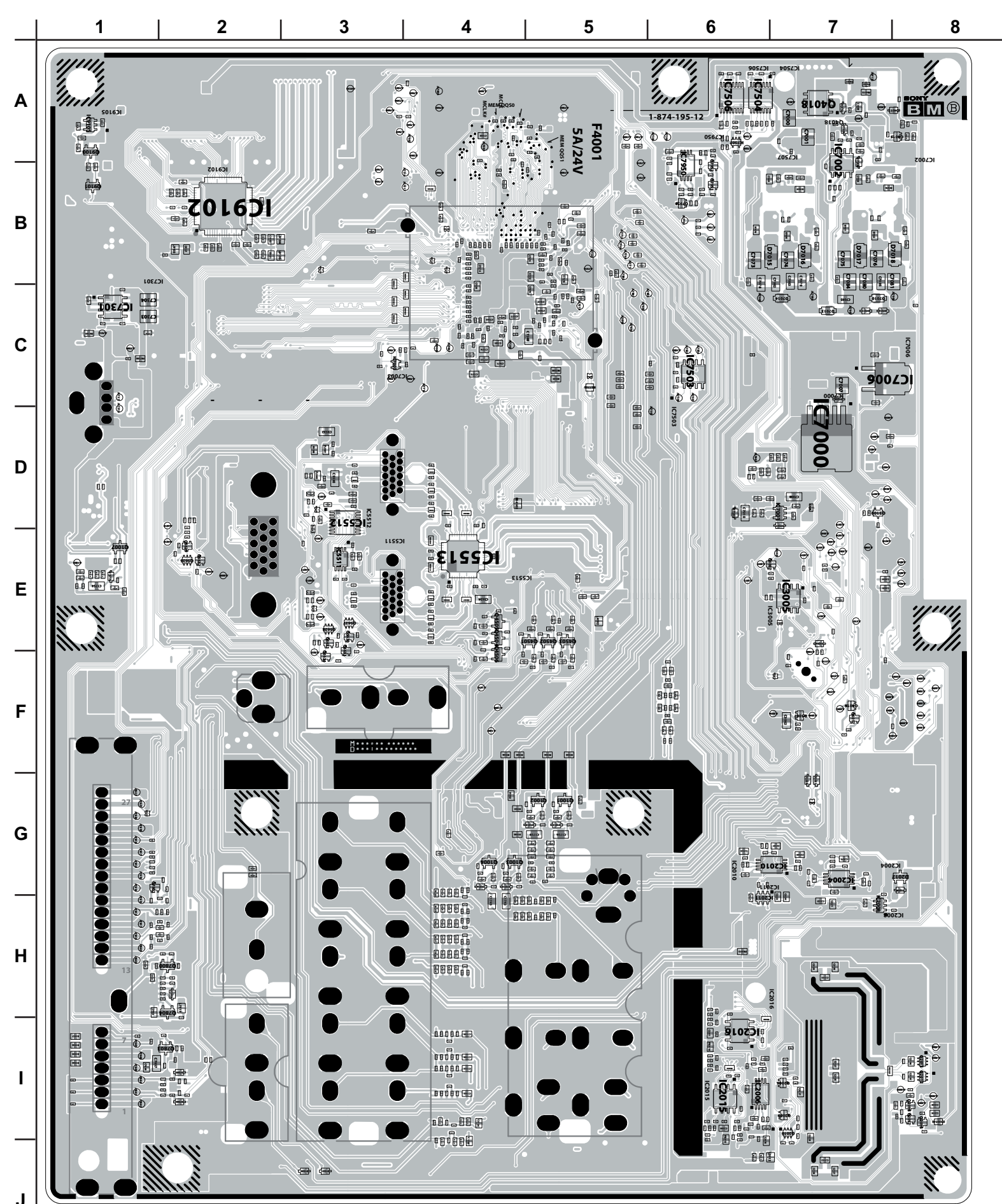
I/O TERMINALS, AUDIO, TV<sub>1</sub> CON, ANALOG INTERFACE/HDMI RECEIVER, HDMI/PC INPUT, POWER/DC ALERT, X242 POWER/PLL/FLEXBUS/USB/PERIPHERALS, DDR/FLASH/NVM, DIGITAL IF/E/JTAG, X242 AUDIO OUT/FE/TUNER, DSP/LVDS

COMPONENT SIDE

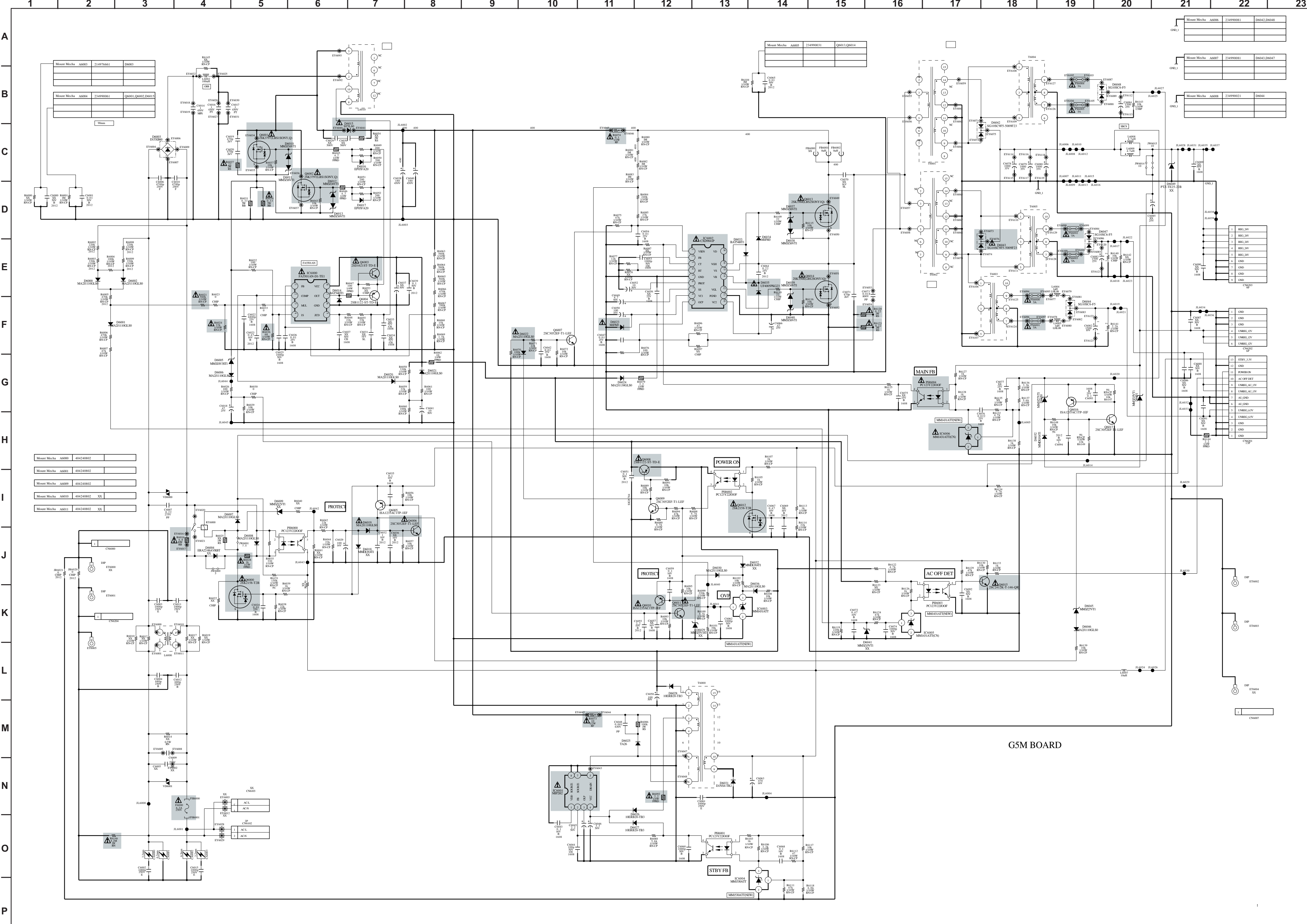


I/O TERMINALS, AUDIO, TV<sub>1</sub> CON, ANALOG INTERFACE/HDMI RECEIVER, HDMI/PC INPUT, POWER/DC ALERT, X242 POWER/PLL/FLEXBUS/USB/PERIPHERALS, DDR/FLASH/NVM, DIGITAL IF/E/JTAG, X242 AUDIO OUT/FE/TUNER, DSP/LVDS

CONDUCTOR SIDE

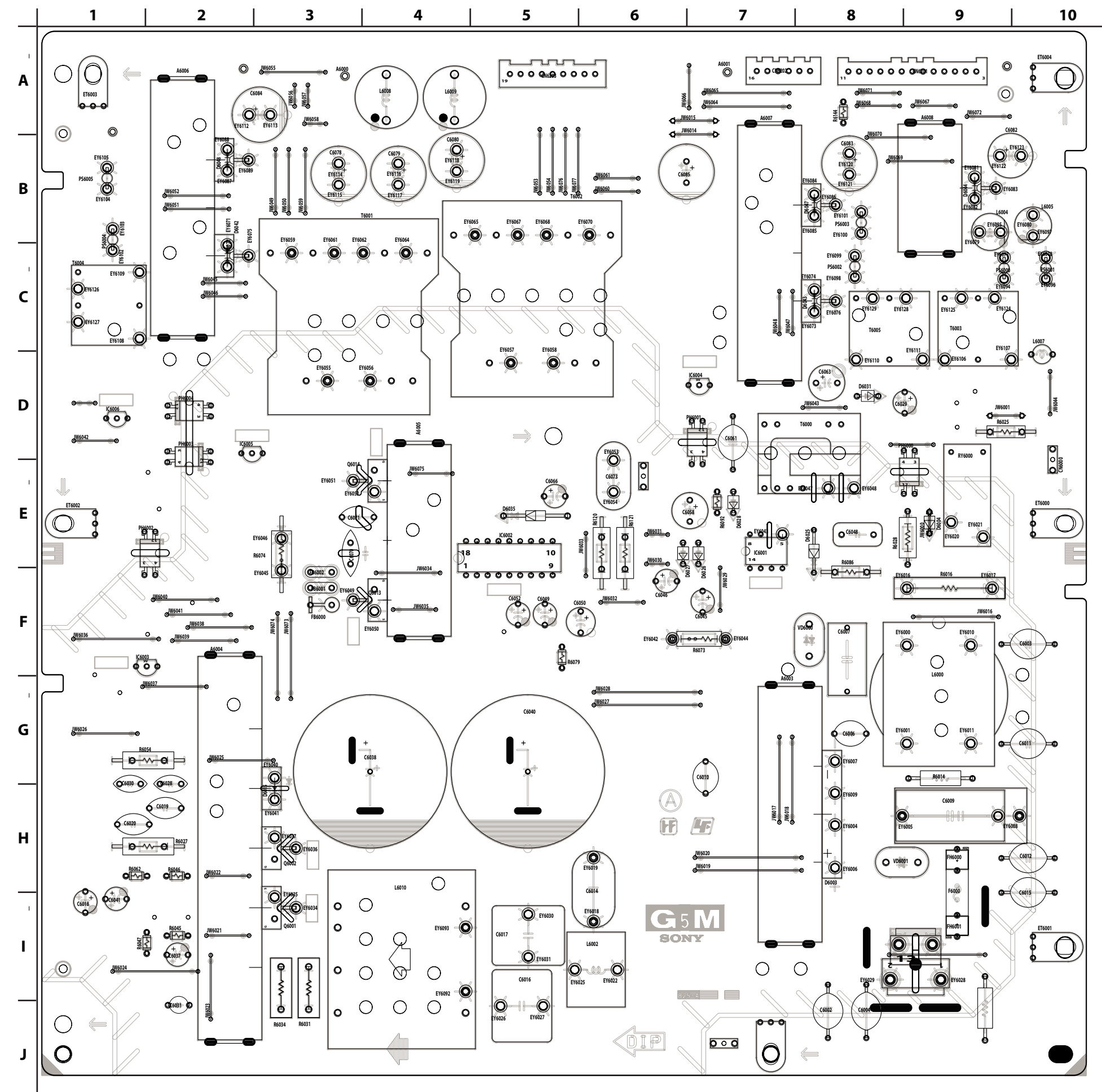


GSM BOARD SCHEMATIC DIAGRAM

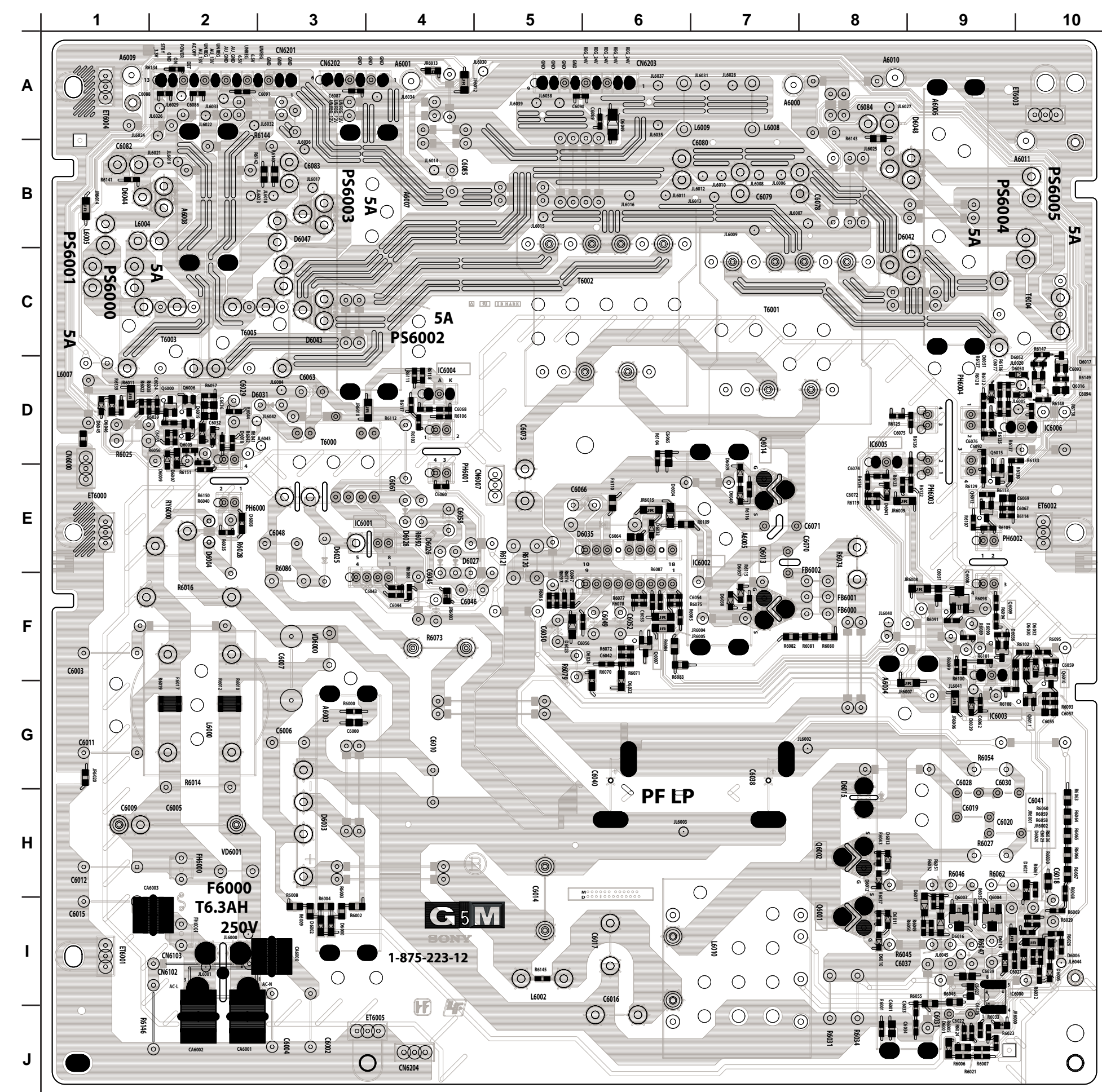




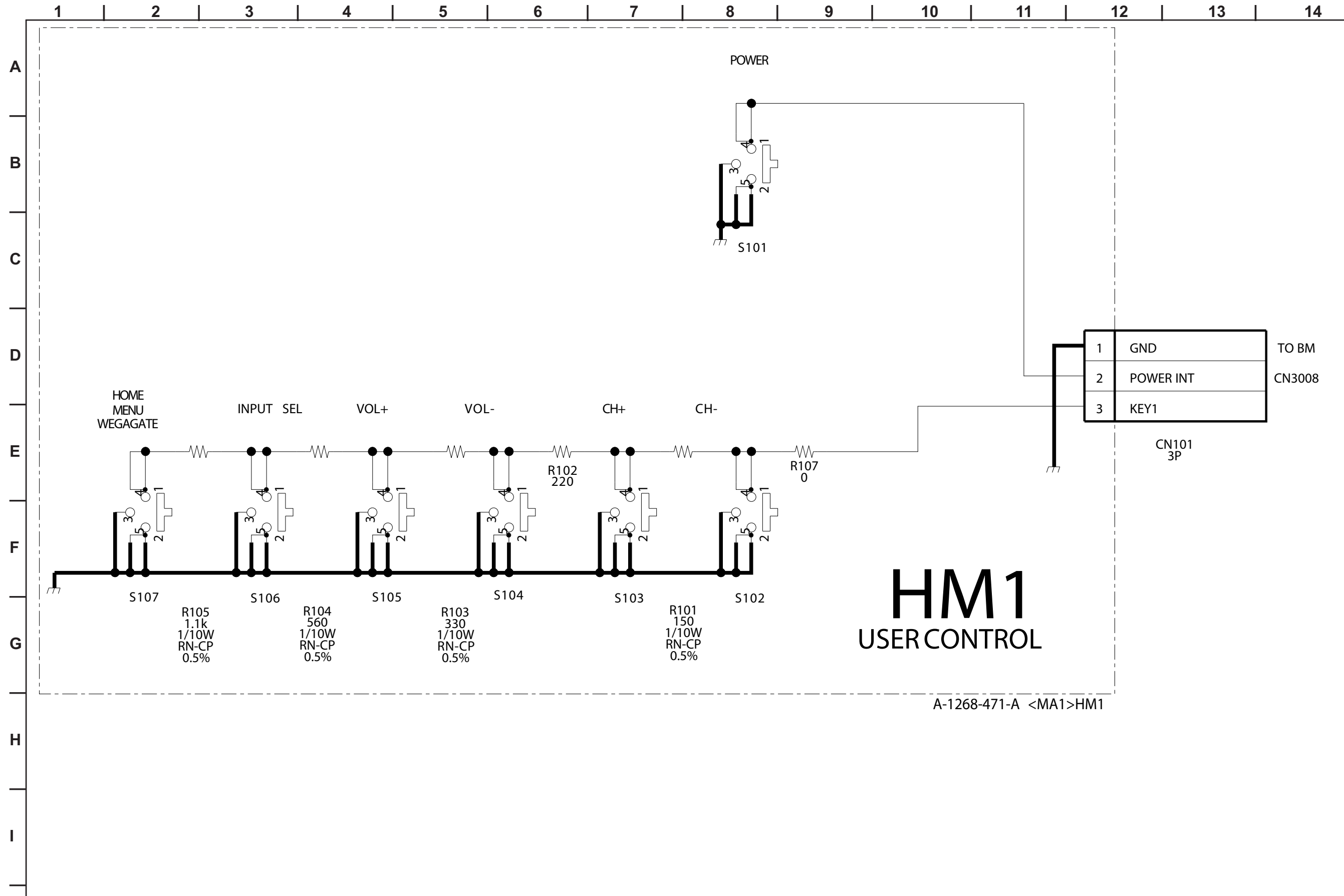
**G5M** [POWER SUPPLY]  
COMPONENT SIDE



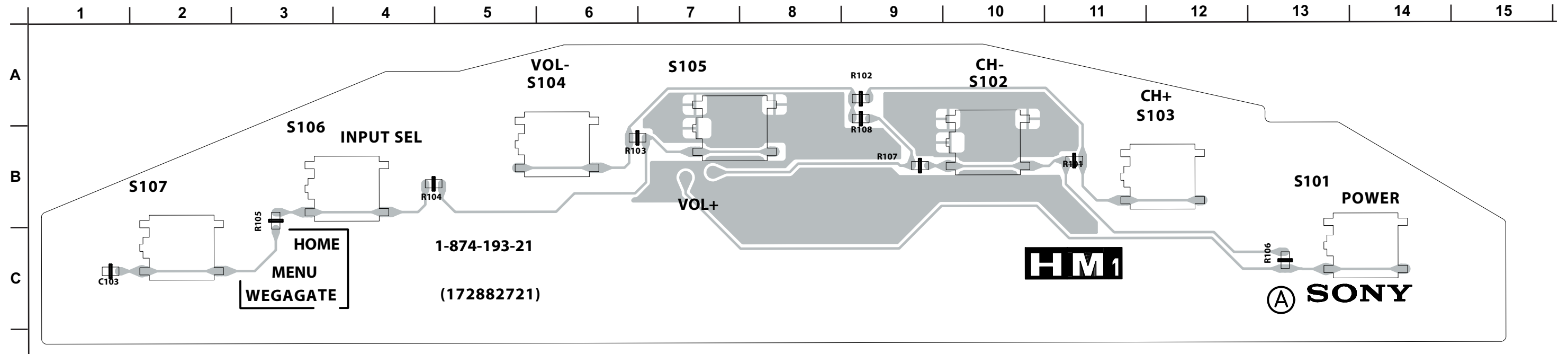
**G5M** [POWER SUPPLY]  
CONDUCTOR SIDE



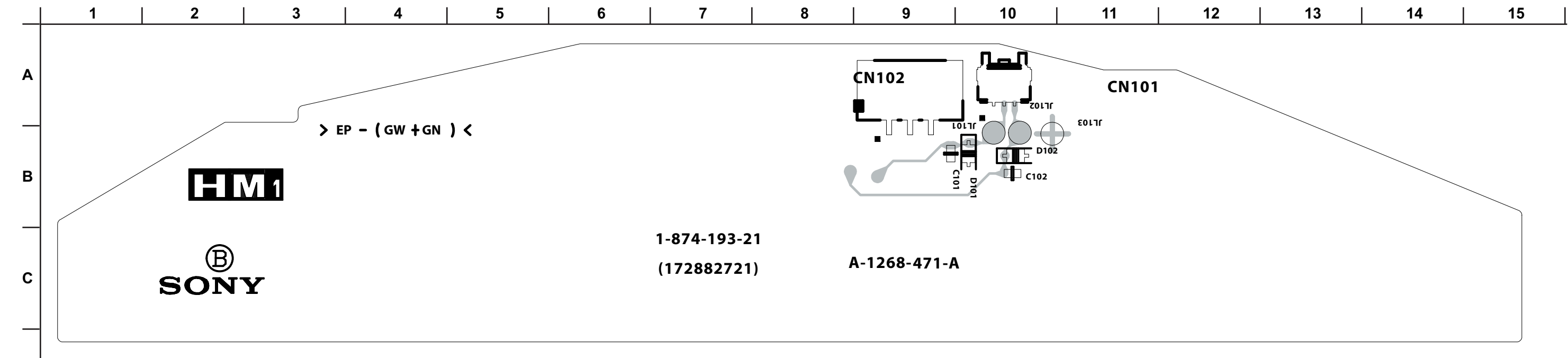
### HM1 BOARD SCHEMATIC DIAGRAM



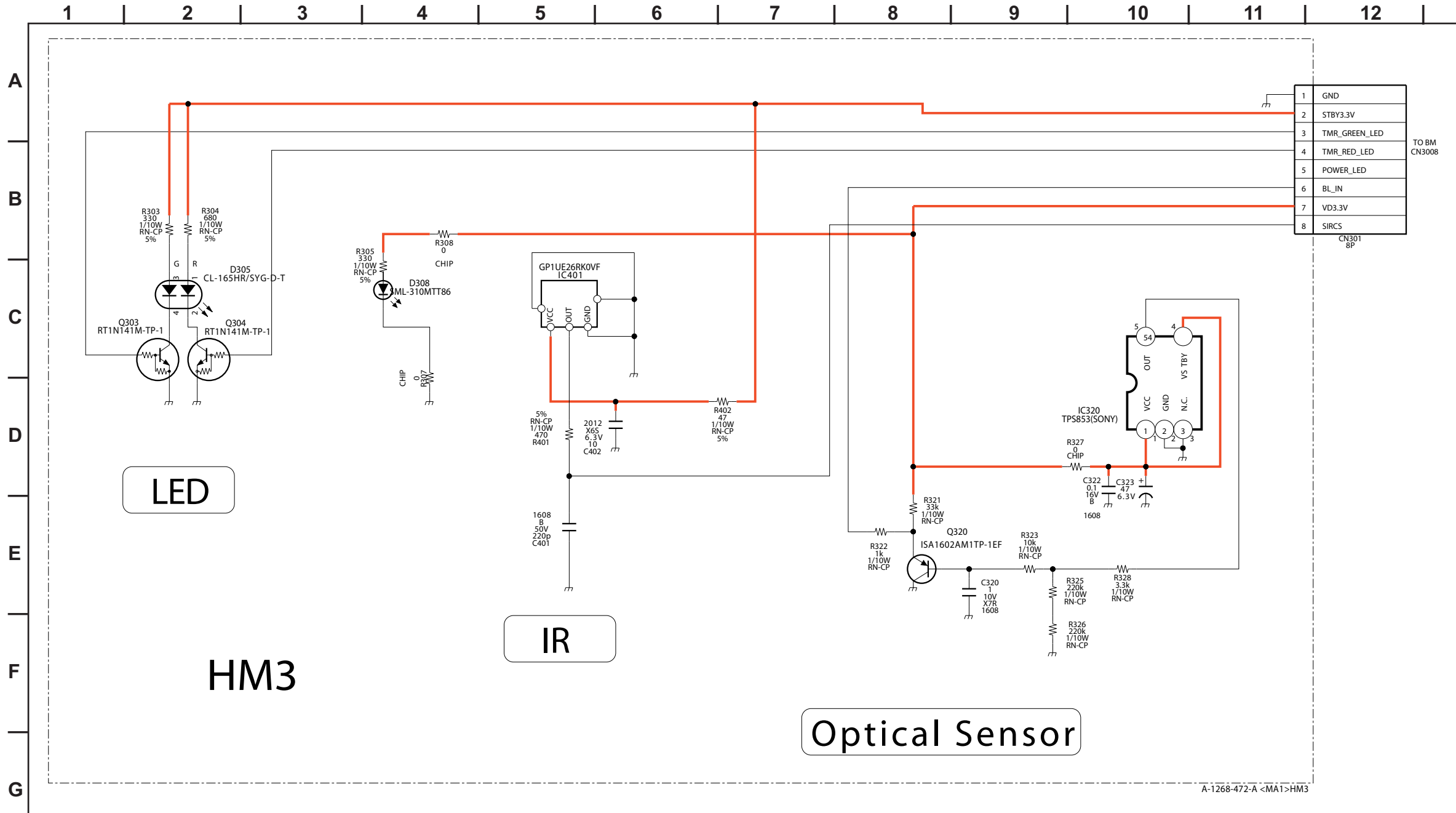
**HM1** [USER CONTROL]  
COMPONENT SIDE



**HM1** [USER CONTROL]  
CONDUCTOR SIDE

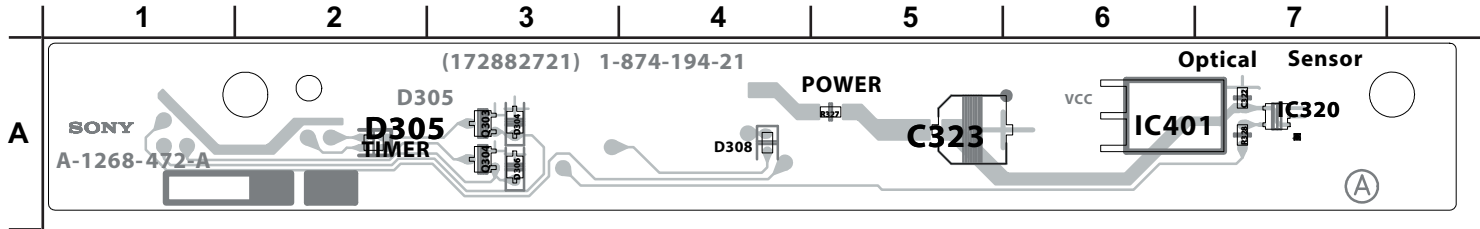


HM3 BOARD SCHEMATIC DIAGRAM

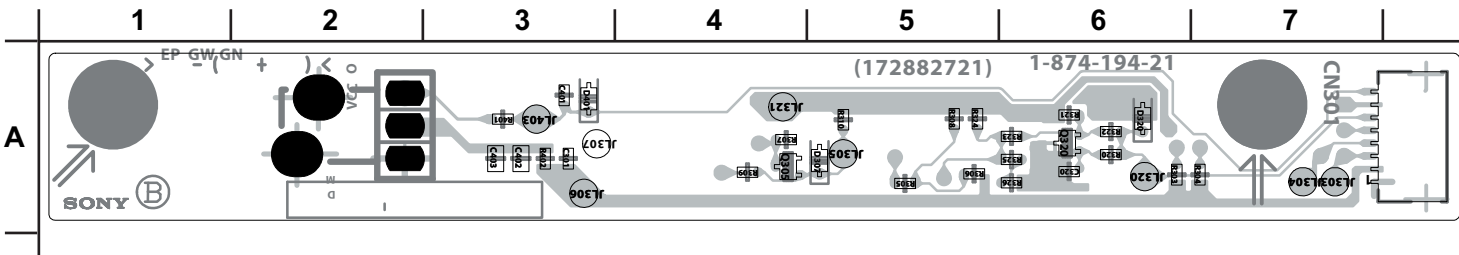


A-1268-472-A <MA1>HM3

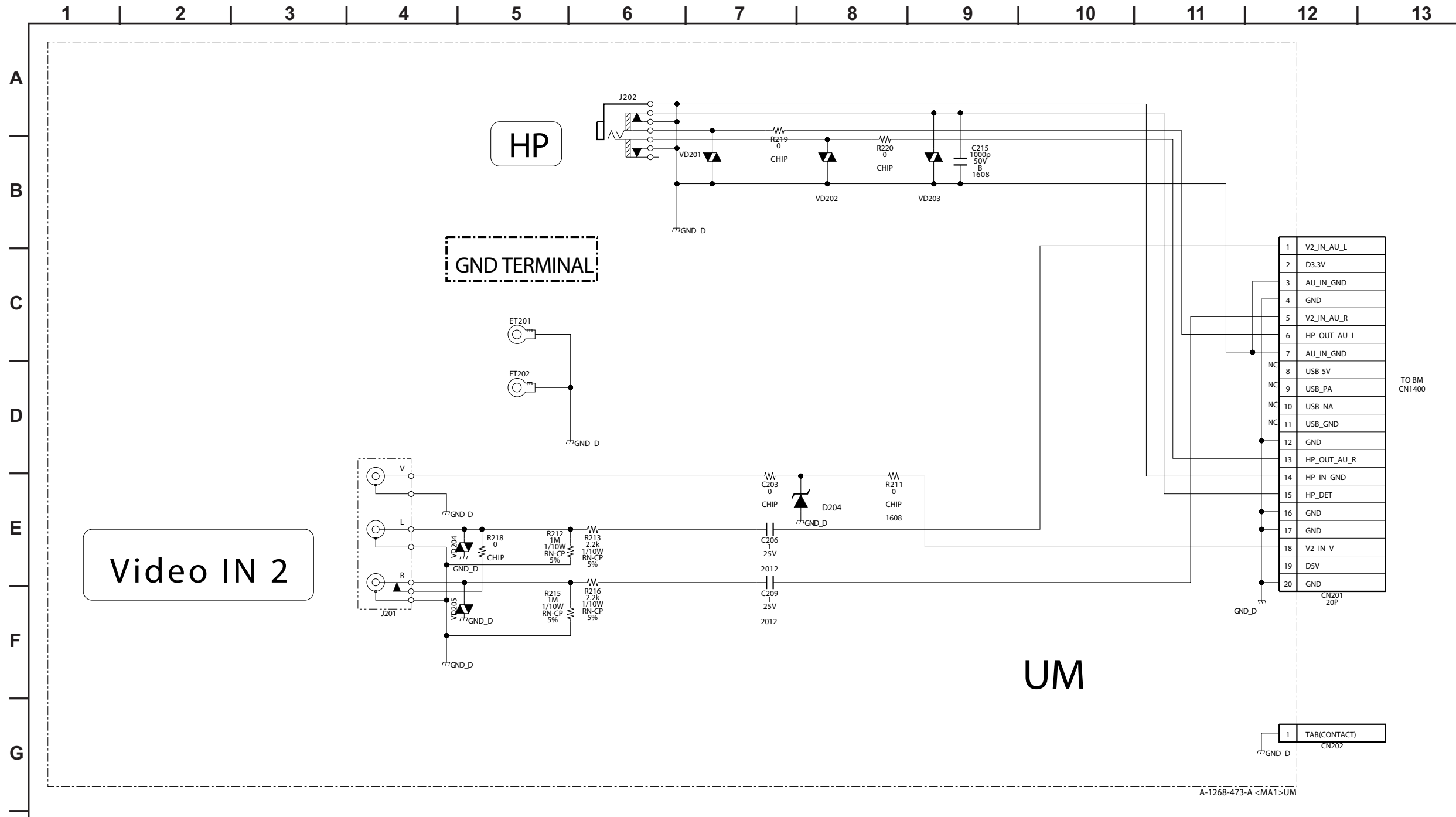
# HM3 [OPTICAL SENSOR] COMPONENT SIDE



# HM3 [OPTICAL SENSOR] CONDUCTOR SIDE

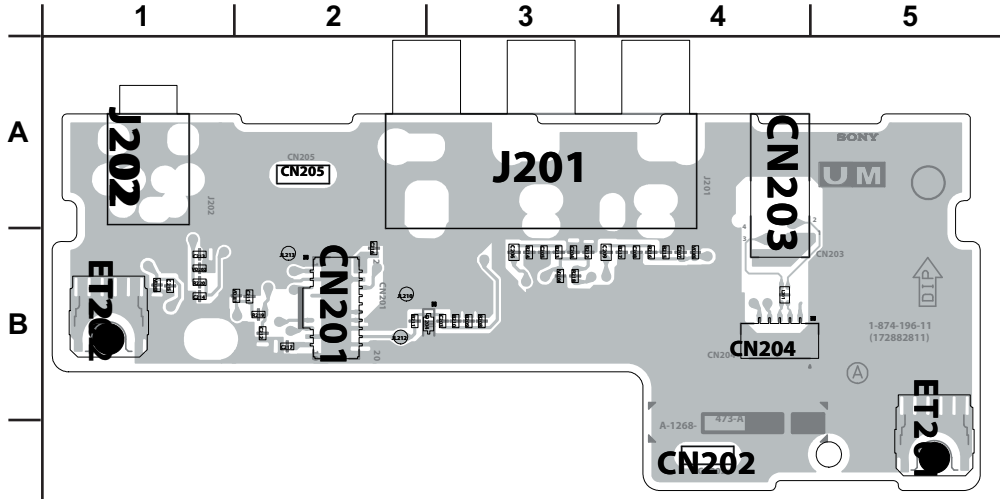


UM BOARD SCHEMATIC DIAGRAM

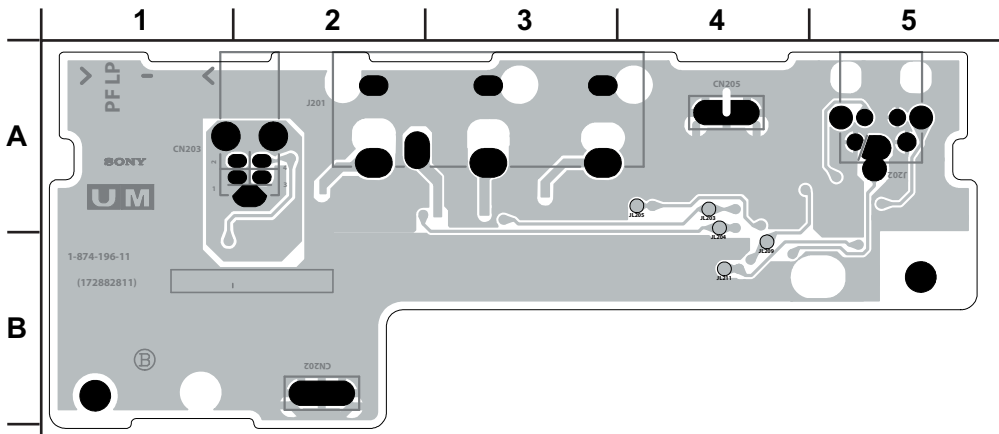




[VIDEO 2 IN]  
COMPONENT SIDE



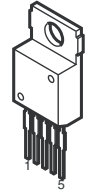
[VIDEO 2 IN]  
CONDUCTOR SIDE



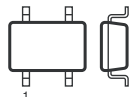
4-6. SEMICONDUCTORS

IC

BA00AST-V5

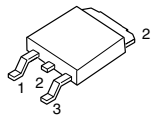


BA05FP-E2  
BA09FP-E2  
S-1111B33MC-NYSTFG  
S-80928CNMC-G8YT2G  
TC7SZ125FU(TE85R)

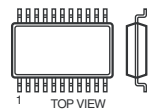


5Pin CHIP

BA18BC0FP-E2  
BA25BC0FP-E2

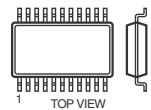


BR24L02F-WE2  
CS4335-KSZR  
FA5501N-TE1  
LM75CIMX-3  
M24128-BWMN6T(A)  
M24C02-WMN6T(B)  
NJM2521V(TE2)  
NJM3414AV(TE2)  
RC4558DR  
RC4558PWR



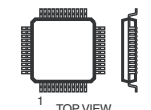
8Pin SOP

CD4052BNSR  
FMS6418AM16X



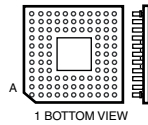
16Pin SOP

CXA2188Q-T4



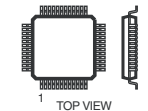
40Pin QFP

EM6A9320BI-5MG



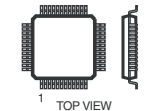
144Pin PGA

HD6433692A39FXV  
HD64F3694FXV-DA4  
TPA3004D2PHPR



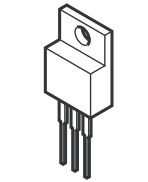
48Pin QFP

HD64F2378-12681-01

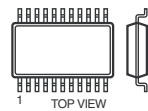


144Pin QFP

L88M05T-FA-TL

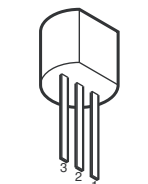


M52347FP-TE

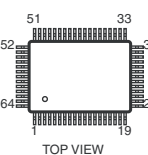


20Pin SOP

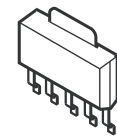
MM1431ATT



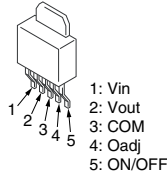
NJW1149AFH1



PQ1CY1032ZP

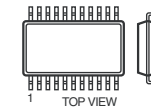


PQ1CZ41H2ZPH

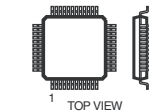


1: Vin  
2: Vout  
3: COM  
4: Oadj  
5: ON/OFF

RV5C387A-E2-FB

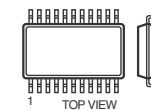


SH9993CTG100



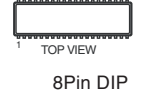
100Pin QFP

SN74LV132APWR  
SN74LVC14APWR



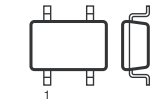
14Pin SOP

STR-A6169



8Pin DIP

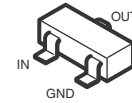
TK11819MTL



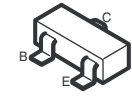
6Pin CHIP

TRANSISTOR

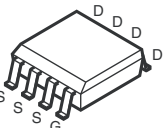
DTC114EU  
DTC114EUAFT106



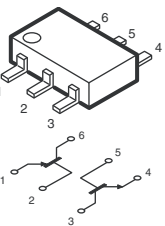
DTC114EUA-T106  
DTC115EUA-T106  
DTC144WKA-T146  
DTC314TK-T-146  
DTC323TK  
DTC323TKT146  
MUN2211T1  
MUN2212T1  
MUN5213T1  
PDTC114EK-115  
UN2211  
2PA1576R-115  
2PC4081R-115  
2PD601AR-115  
2SA1037AK-T146-QR  
2SA1037AK-T146-R  
2SA1576A-T106-QR  
2SA1774R  
2SA1774TL-QR  
2SC1623-L5L6  
2SC2412K-T-146-QR  
2SC4081-R  
2SC4081T106R  
2SC4617R  
2SC4617TL-QR  
2SD2114K  
2SD601A-Q-TX



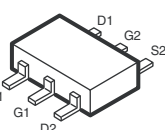
FDS6690A



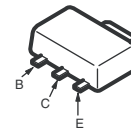
HN1B01FU-TE85R



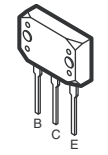
SSM6N15FU(TE85R)



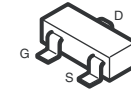
2SB1122-S  
2SB1122-ST-TD-E  
2SD1621-ST  
2SD1621ST-TD-E



2SD2114KT146

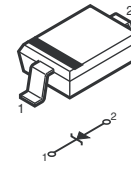


2SK2158-T2B

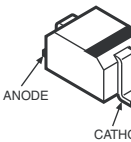


DIODE

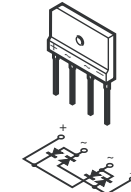
BAS316-115  
EP05FA20  
MM3Z10VT1  
MM3Z11VT1  
MM3Z13VT1  
MM3Z18VST1  
MM3Z22VT1  
MM3Z2V4T1  
MM3Z5V6ST1  
MM3Z6V2ST1  
MM3Z6V8ST1  
MM3Z8V2ST1



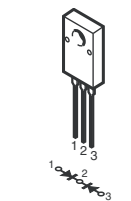
BAT54HT1  
DTZ10B  
HZU5.6GTRF  
MA113-(TX)  
MMDL914T1  
RD5.6SB-T1  
UDZ-TE-17-18B  
UDZ-TE-17-6.2B  
UDZ-TE-17-6.8B



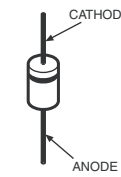
D10SBS4  
D10SBS4F  
D2SB60A-F04  
D4SB60L



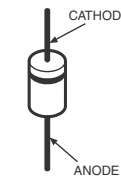
D10SC6M



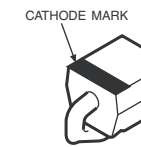
D1NL40-TA2  
D1NL40-TR2  
ERA22-08



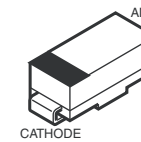
D1NS6  
D1NS6-TR  
ERA22-06AVRBT  
UF4005PKG23  
10ERB20-TB3  
1N5404TU



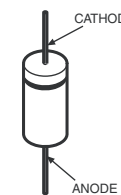
EC10QS-04  
EC10QS04-TE12L5



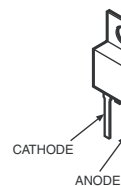
EC21QS03L-TE12L  
P6SMBJ30A-5  
PTZ-TE25-3.9B



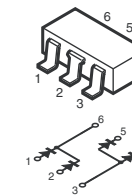
ERA22-08KFLB



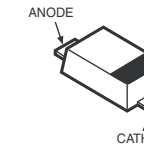
FSF05A60



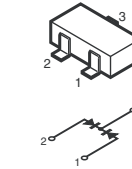
HN1D03FU-TE85L  
HN1D03FU-TE85R



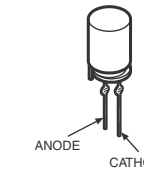
M1FM3



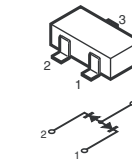
MA132WK  
MA132WK-TX  
MA151WK-TX  
1SS184



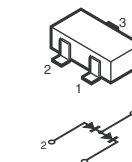
UDZSTE-1710B



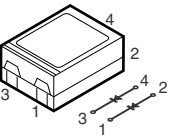
UMZ16NT106



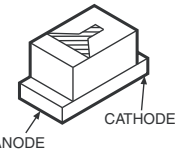
1PS302



SML-020MVT-T86



SML-310LTT86







## SECTION 5: 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.

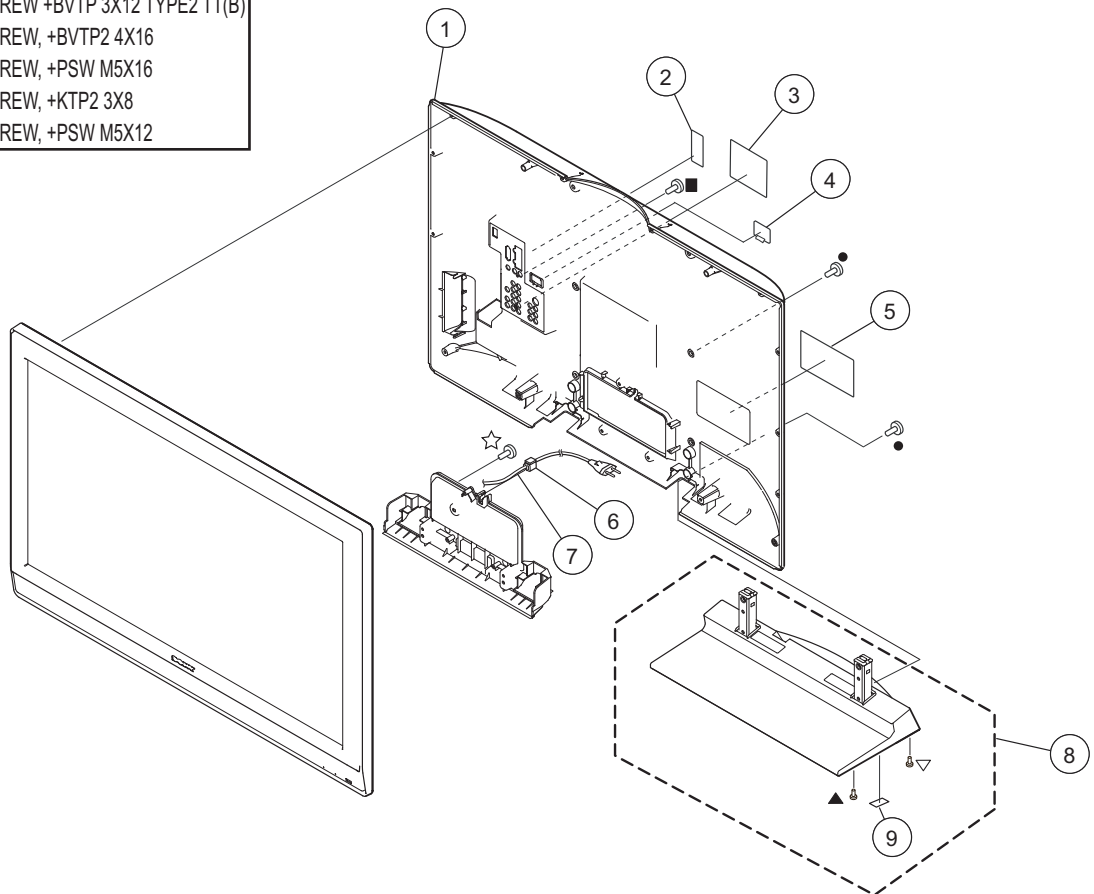
NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



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.

### 5-1. REAR COVER ASSEMBLY AND STAND ASSEMBLY

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

■	7-685-648-79	SCREW +BVTP 3X12 TYPE2 TT(B)
☆	2-580-640-01	SCREW, +BVTP2 4X16
●	2-580-608-01	SCREW, +PSW M5X16
▽	2-580-644-01	SCREW, +KTP2 3X8
▲	2-580-607-01	SCREW, +PSW M5X12



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
1	3-218-557-01	COVER, REAR (37)		6	4-022-115-12	HOLDER, AC CORD	
2	3-217-797-01	LABEL, HDMI		 7	1-834-851-11	CORD, AC POWER (WITH CONNECTOR) (KDL-37M3000 U/C/MEXICO MODELS ONLY)	
3	3-213-435-01	LABEL, REAR TERMINAL		 7	1-834-554-11	AC POWER CORD WITH CONNECTOR (KDL-37M3000 CHILE/PERU MODELS ONLY)	
* 5	3-274-329-01	LABEL, INFORMATION (KDL-37M3000 U/C/MEXICO MODELS ONLY)		8	A-1257-997-A	STAND (ML) ASSY	[9]
* 5	3-270-541-01	LABEL, INFORMATION (KDL-37M3000 CHILE/PERU MODELS ONLY)		9	3-213-762-01	FOOT (15X30)	

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

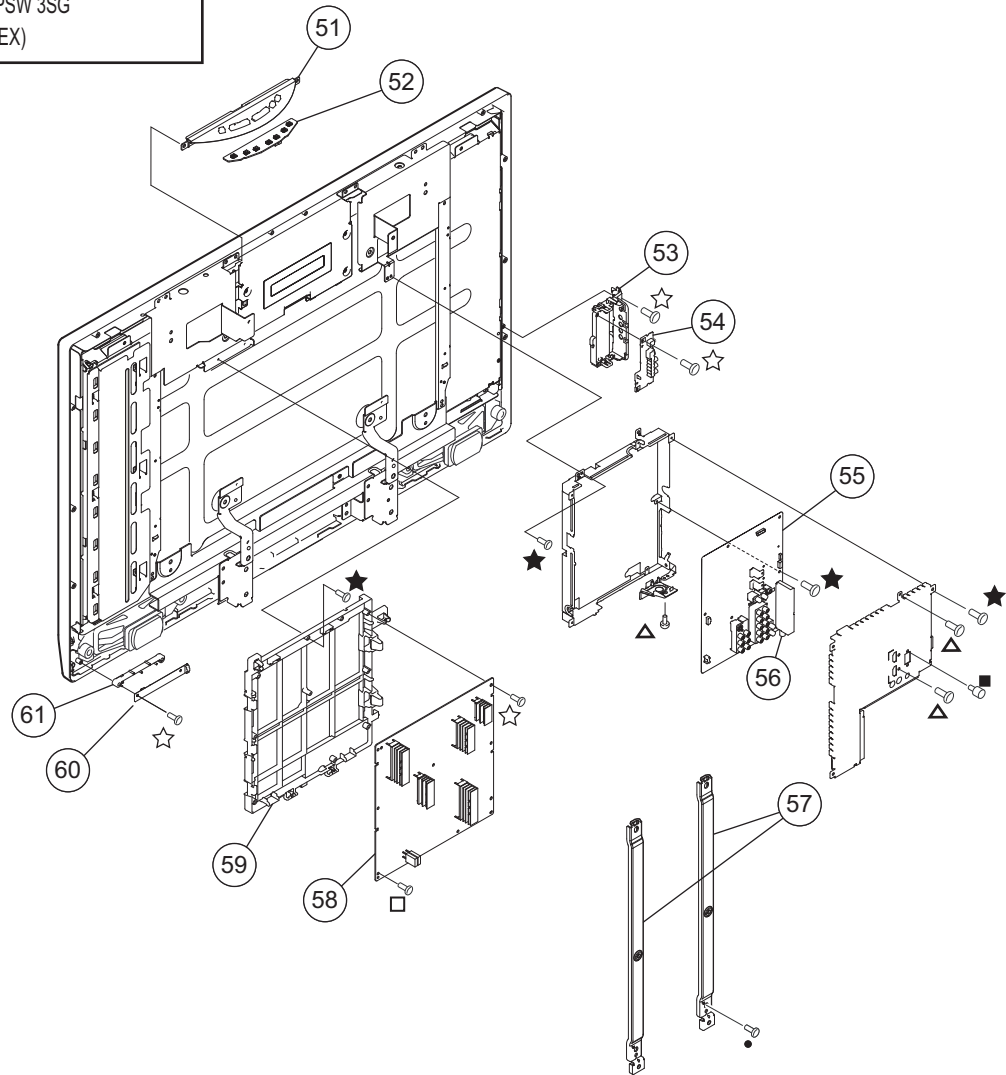
NOTE: Les composants identifiés par un trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE: The components identified by a red outline and a  $\mathfrak{L}$  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.


## 5-2. CHASSIS


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


☆	7-685-648-79	SCREW +BVTP 3X12 TYPE2 TT(B)
★	2-580-629-01	SCREW, +BVST 3X8
$\triangle$	2-580-591-01	SCREW, +PSW M3X5
●	2-580-608-01	SCREW, +PSW M5X16
□	2-674-965-51	SCREW, +PSW 3SG
■	4-635-966-01	SCREW (HEX)



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
51	X-2186-624-2	BUTTON, MULTI ASSY		57	X-2187-751-1	VESA ARM(32) ASSY	
52	A-1268-471-A	HM1 BOARD, MOUNTED		58	A-1358-825-A	G5M BOARD, MOUNTED	
53	3-106-473-21	HOLDER, SIDE JACK(M)		*	59	3-268-719-01	BRACKET, G5
54	A-1268-473-A	UM BOARD, MOUNTED		60	A-1268-472-A	HM3 BOARD, MOUNTED	
$\mathfrak{L}$ 55	A-1376-789-A	BM BOARD, MOUNTED		61	3-210-445-02	GUIDE, LIGHT	
56	8-597-626-00	TUNER, FSS BTF-CA412					

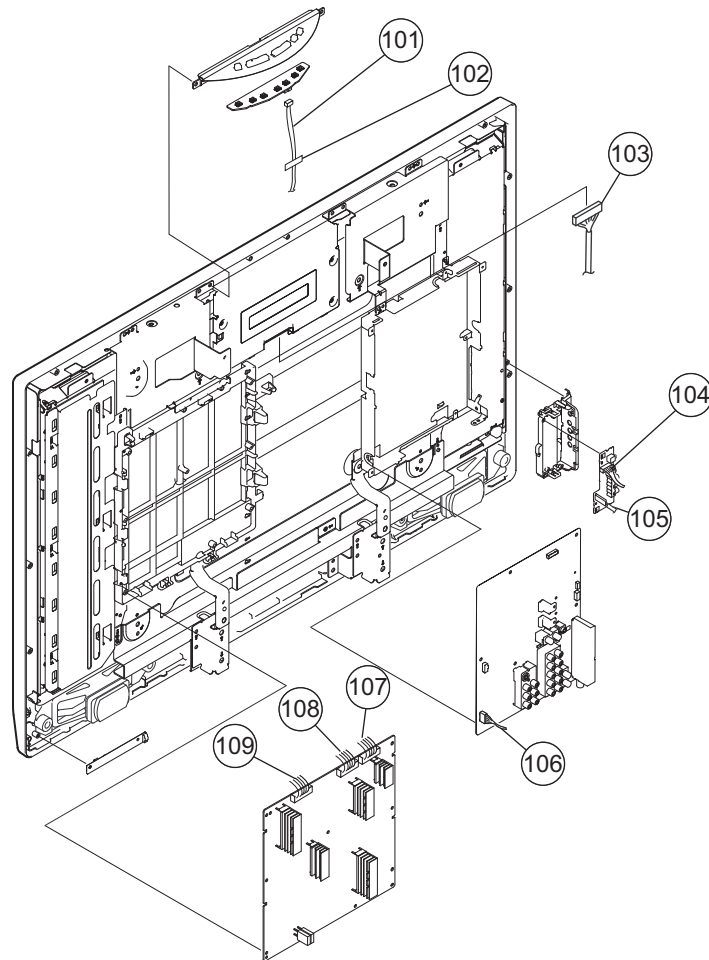
NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un triangle 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.

### 5-3. CONNECTORS

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



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
101	1-910-038-27	CONN ASSY, 20P MM CRIMP 690		106	1-910-038-26	CONN ASSY, 20P MM CRIMP 250	
102	2-688-062-01	TAPE (LCD)		107	1-910-038-34	CONN ASSY, 20P MM CRIMP 550	
103	1-834-382-11	LVDS CABLE		108	1-910-041-40	CONN ASSY, 6P MM CRIMP 460	
104	1-910-038-33	CONN ASSY, 20P MM CRIMP 210		109	1-910-038-59	CONN ASSY, 14P MM CRIMP 230	
105	1-910-038-32	WIRE ASSY, FASTON TERMINAL					

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

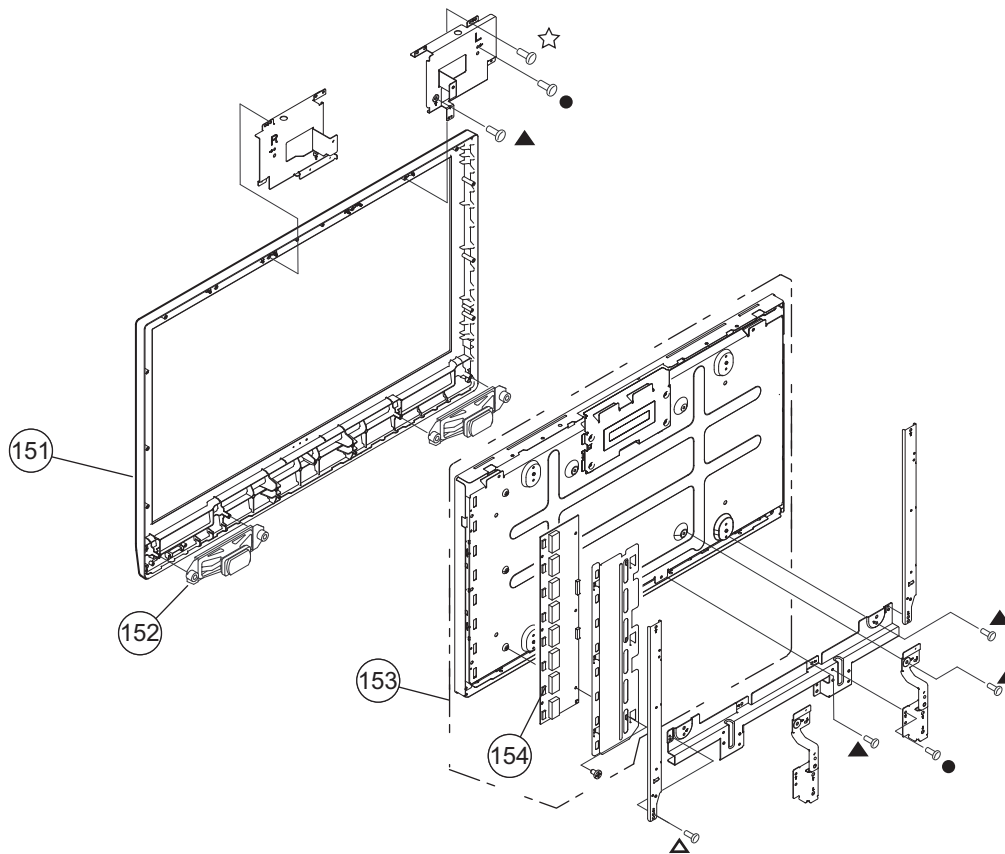
NOTE: Les composants identifiés par un triangle et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE: The components identified by a red outline and a  $\mathcal{K}$  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.

### 5-4. BEZEL ASSEMBLY, LCD PANEL AND SPEAKERS

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

☆	2-580-640-01	SCREW, +BVTP2 4X16
●	2-580-600-01	SCREW, +PSW M4X8
▲	2-580-606-01	SCREW, +PSW M5X8
△	2-580-591-01	SCREW, +PSW M3X5



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
151	X-2179-468-1	BEZEL ASSY (37)					
152	1-826-363-11	LOUDSPEAKER (4.2X15CM)					
153	1-802-524-12	LCD PANEL (37INCH WXGA TFT)	[154]				
154	1-789-962-11	(BALANCER BOARD) ETC-INVERTER MT BOARD					

## SECTION 6: ELECTRICAL PARTS LIST

**NOTE:** The components identified by shaDIODEng and  $\Delta$  mark are critical for safety Replace only with part number specified.

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

\* 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 a red outline and a  $\Delta$  mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced.  
See AppenDIODEx A: Encryption Key Components in the back of this manual.

**RESISTORS**

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



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

REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES						
<div style="display: flex; align-items: center;"> <div> <p><b>A-1376-789-A</b>    <b>BM BOARD, COMPLETE</b></p> </div> </div>													
	2-586-175-11	SHEET B, RADIATION											
	4-098-157-01	HEAT SINK (DTT)											
<b>CAPACITOR</b>													
C1005	1-127-573-11	CERAMIC CHIP	1 $\mu$ F    10%    16V	C1742	1-216-296-11	SHORT CHIP							
C1007	1-127-573-11	CERAMIC CHIP	1 $\mu$ F    10%    16V	C1745	1-216-296-11	SHORT CHIP							
C1010	1-127-573-11	CERAMIC CHIP	1 $\mu$ F    10%    16V	C1752	1-164-933-11	CERAMIC CHIP	220pF    10%    50V						
C1012	1-127-573-11	CERAMIC CHIP	1 $\mu$ F    10%    16V	C1753	1-164-933-11	CERAMIC CHIP	220pF    10%    50V						
C1 100	1-127-573-11	CERAMIC CHIP	1 $\mu$ F    10%    16V	C1754	1-112-066-11	CERAMIC CHIP	10 $\mu$ F    10%    10V						
C1 102	1-127-573-11	CERAMIC CHIP	1 $\mu$ F    10%    16V	C1755	1-100-588-21	ELECT CHIP	1000 $\mu$ F    20%    6.3V						
C1 130	1-127-573-11	CERAMIC CHIP	1 $\mu$ F    10%    16V	C1756	1-100-055-11	CERAMIC CHIP	22 $\mu$ F    20%    16V						
C1 132	1-127-573-11	CERAMIC CHIP	1 $\mu$ F    10%    16V	C2000	1-126-395-11	ELECT CHIP	22 $\mu$ F    20%    16V						
C1403	1-100-905-11	CERAMIC CHIP	0.001 $\mu$ F    10%    50V	C2069	1-125-889-11	CERAMIC CHIP	2.2 $\mu$ F    10%    10V						
C1714	1-127-573-11	CERAMIC CHIP	1 $\mu$ F    10%    16V	C2070	1-125-889-11	CERAMIC CHIP	2.2 $\mu$ F    10%    10V						
C1715	1-127-573-11	CERAMIC CHIP	1 $\mu$ F    10%    16V	C2073	1-125-889-11	CERAMIC CHIP	2.2 $\mu$ F    10%    10V						
C1722	1-162-964-11	CERAMIC CHIP	0.001 $\mu$ F    10%    50V	C2074	1-100-764-21	ELECT CHIP	4.7 $\mu$ F    20%    25V						
C1723	1-162-964-11	CERAMIC CHIP	0.001 $\mu$ F    10%    50V	C2075	1-100-764-21	ELECT CHIP	4.7 $\mu$ F    20%    25V						
C1724	1-127-573-11	CERAMIC CHIP	1 $\mu$ F    10%    16V	C2077	1-126-396-11	ELECT CHIP	47 $\mu$ F    20%    16V						
C1725	1-127-573-11	CERAMIC CHIP	1 $\mu$ F    10%    16V	C2078	1-125-889-11	CERAMIC CHIP	2.2 $\mu$ F    10%    10V						
C1726	1-165-492-21	ELECT CHIP	100 $\mu$ F    20%    10V	C2081	1-162-959-11	CERAMIC CHIP	330pF    5%    50V						
C1727	1-165-492-21	ELECT CHIP	100 $\mu$ F    20%    10V	C2084	1-162-959-11	CERAMIC CHIP	330pF    5%    50V						
C1728	1-165-492-21	ELECT CHIP	100 $\mu$ F    20%    10V	C2085	1-126-396-11	ELECT CHIP	47 $\mu$ F    20%    16V						
C1729	1-165-492-21	ELECT CHIP	100 $\mu$ F    20%    10V	C2086	1-100-905-11	CERAMIC CHIP	0.001 $\mu$ F    10%    50V						
C1730	1-164-156-11	CERAMIC CHIP	0.1 $\mu$ F    25V	C2090	1-100-597-91	CERAMIC CHIP	0.1 $\mu$ F    10%    25V						
C1731	1-100-588-21	ELECT CHIP	1000 $\mu$ F    20%    6.3V	C2091	1-125-889-11	CERAMIC CHIP	2.2 $\mu$ F    10%    10V						
C1732	1-165-492-21	ELECT CHIP	100 $\mu$ F    20%    10V	C2092	1-125-889-11	CERAMIC CHIP	2.2 $\mu$ F    10%    10V						
C1733	1-165-492-21	ELECT CHIP	100 $\mu$ F    20%    10V	C2094	1-162-959-11	CERAMIC CHIP	330pF    5%    50V						
C1736	1-216-296-11	SHORT CHIP		C2095	1-100-597-91	CERAMIC CHIP	0.1 $\mu$ F    10%    25V						
C1739	1-216-296-11	SHORT CHIP		C2096	1-162-959-11	CERAMIC CHIP	330pF    5%    50V						
				C2097	1-100-597-91	CERAMIC CHIP	0.1 $\mu$ F    10%    25V						
				C2098	1-100-597-91	CERAMIC CHIP	0.1 $\mu$ F    10%    25V						
				C2100	1-135-366-11	ELECT CHIP	100 $\mu$ F    20%    16V						
				C2101	1-100-905-11	CERAMIC CHIP	0.001 $\mu$ F    10%    50V						
				C2102	1-100-905-11	CERAMIC CHIP	0.001 $\mu$ F    10%    50V						
				C2103	1-100-764-21	ELECT CHIP	4.7 $\mu$ F    20%    25V						
				C2104	1-100-764-21	ELECT CHIP	4.7 $\mu$ F    20%    25V						
				C2105	1-100-764-21	ELECT CHIP	4.7 $\mu$ F    20%    25V						
				C2106	1-100-764-21	ELECT CHIP	4.7 $\mu$ F    20%    25V						
				C2107	1-126-396-11	ELECT CHIP	47 $\mu$ F    20%    16V						



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES				
C21	11	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2170	1-162-979-11	CERAMIC CHIP	0.0027μF	10%	50V	
C21	12	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	C2171	1-162-979-11	CERAMIC CHIP	0.0027μF	10%	50V	
C21	13	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C2172	1-124-779-00	ELECT CHIP	10μF	20%	16V	
C21	14	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	C2173	1-124-779-00	ELECT CHIP	10μF	20%	16V	
C21	15	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2174	1-135-366-11	ELECT CHIP	100μF	20%	16V	
C21	16	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2175	1-124-779-00	ELECT CHIP	10μF	20%	16V	
C21	17	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C2176	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	
C21	18	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C2177	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	
C21	19	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2178	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	
C2120		1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2179	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	
C2121		1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C2180	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	
C2123		1-112-797-11	ELECT CHIP	470μF	20%	25V	C2181	1-124-779-00	ELECT CHIP	10μF	20%	16V	
C2124		1-135-349-21	ELECT CHIP	22μF	20%	20V	C2182	1-124-779-00	ELECT CHIP	10μF	20%	16V	
C2125		1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2183	1-124-779-00	ELECT CHIP	10μF	20%	16V	
C2126		1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C2185	1-126-396-11	ELECT CHIP	47μF	20%	16V	
C2127		1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C2186	1-126-396-11	ELECT CHIP	47μF	20%	16V	
C2128		1-135-349-21	ELECT CHIP	22μF	20%	20V	C2195	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	
C2129		1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2196	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	
C2130		1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2197	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	
C2131		1-126-396-11	ELECT CHIP	47μF	20%	16V	C2198	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	
C2132		1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2199	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	
C2133		1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2200	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	
C2134		1-125-889-11	CERAMIC CHIP	2.2μF	10%	10V	C2201	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	
C2135		1-125-889-11	CERAMIC CHIP	2.2μF	10%	10V	C2204	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	
C2136		1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2205	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	
C2137		1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2206	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	
C2138		1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2207	1-100-764-21	ELECT CHIP	4.7μF	20%	25V	
C2139		1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C2208	1-164-938-11	CERAMIC CHIP	0.0015μF	10%	50V	
C2140		1-125-889-11	CERAMIC CHIP	2.2μF	10%	10V	C2209	1-164-938-11	CERAMIC CHIP	0.0015μF	10%	50V	
C2141		1-125-889-11	CERAMIC CHIP	2.2μF	10%	10V	C2210	1-164-938-11	CERAMIC CHIP	0.0015μF	10%	50V	
C2142		1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C221	1	1-164-938-11	CERAMIC CHIP	0.0015μF	10%	50V
C2143		1-125-889-11	CERAMIC CHIP	2.2μF	10%	10V	C2212		1-164-938-11	CERAMIC CHIP	0.0015μF	10%	50V
C2144		1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C2213		1-164-938-11	CERAMIC CHIP	0.0015μF	10%	50V
C2145		1-100-591-91	CERAMIC CHIP	1μF	10%	25V	C2214		1-164-938-11	CERAMIC CHIP	0.0015μF	10%	50V
C2146		1-100-591-91	CERAMIC CHIP	1μF	10%	25V	C2215		1-164-938-11	CERAMIC CHIP	0.0015μF	10%	50V
C2149		1-126-396-11	ELECT CHIP	47μF	20%	16V	C2216		1-100-756-91	CERAMIC CHIP	0.047μF		50V
C2150		1-126-396-11	ELECT CHIP	47μF	20%	16V	C2217		1-125-889-11	CERAMIC CHIP	2.2μF	10%	10V
C2156		1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2218		1-125-889-11	CERAMIC CHIP	2.2μF	10%	10V
C2157		1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2221		1-125-889-11	CERAMIC CHIP	2.2μF	10%	10V
C2158		1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C2223		1-125-889-11	CERAMIC CHIP	2.2μF	10%	10V
C2159		1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C3005		1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C2160		1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C3006		1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C2161		1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C3007		1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C2168		1-162-979-11	CERAMIC CHIP	0.0027μF	10%	50V	C3010		1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C2169		1-162-979-11	CERAMIC CHIP	0.0027μF	10%	50V	C301	1	1-126-206-11	ELECT CHIP	100μF	20%	6.3V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C3019	1-162-912-11	CERAMIC CHIP	7pF	0.50pF	50V	C4515	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C3057	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C4516	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C3062	1-112-066-11	CERAMIC CHIP	10μF	10%	10V	C4517	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C3063	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C4518	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C3066	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C4519	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C3070	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C4520	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C3072	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C4522	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C3076	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C4523	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C3081	1-112-066-11	CERAMIC CHIP	10μF	10%	10V	C4524	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C3083	1-100-907-11	CERAMIC CHIP	0.1μF	10%	10V	C4525	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C3084	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C4526	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C31 10	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V	C4527	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C31 12	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C4528	1-100-765-21	ELECT CHIP	10μF	20%	16V
C31 13	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C4529	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C31 14	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4530	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C31 15	1-162-919-11	CERAMIC CHIP	22pF	5%	50V	C4531	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C31 16	1-162-919-11	CERAMIC CHIP	22pF	5%	50V	C4532	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C31 18	1-126-394-11	ELECT CHIP	10μF	20%	16V	C4533	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C31 19	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C4534	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C4001	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C4538	1-124-779-00	ELECT CHIP	10μF	20%	16V
C4030	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4539	1-124-779-00	ELECT CHIP	10μF	20%	16V
C4033	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C4540	1-124-779-00	ELECT CHIP	10μF	20%	16V
C4034	1-112-046-11	CERAMIC CHIP	4.7μF	10%	6.3V	C4544	1-126-210-21	ELECT CHIP	220μF	20%	4V
C4035	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	C4545	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C4040	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C4546	1-100-588-21	ELECT CHIP	1000μF	20%	6.3V
C4041	1-164-935-11	CERAMIC CHIP	470pF	10%	50V	C4547	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C4042	1-164-935-11	CERAMIC CHIP	470pF	10%	50V	C4548	1-100-588-21	ELECT CHIP	1000μF	20%	6.3V
C4043	1-164-935-11	CERAMIC CHIP	470pF	10%	50V	C4549	1-128-396-11	ELECT CHIP	470μF	20%	10V
C4044	1-164-935-11	CERAMIC CHIP	470pF	10%	50V	C4551	1-165-492-21	ELECT CHIP	100μF	20%	10V
C4045	1-164-935-11	CERAMIC CHIP	470pF	10%	50V	C4552	1-165-492-21	ELECT CHIP	100μF	20%	10V
C4046	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C5002	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4049	1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C5005	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C4501	1-100-756-91	CERAMIC CHIP	0.047μF		50V	C5006	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C4502	1-100-756-91	CERAMIC CHIP	0.047μF		50V	C5008	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C4503	1-100-756-91	CERAMIC CHIP	0.047μF		50V	C5009	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C4504	1-100-756-91	CERAMIC CHIP	0.047μF		50V	C5502	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V
C4505	1-100-756-91	CERAMIC CHIP	0.047μF		50V	C5505	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V
C4506	1-100-756-91	CERAMIC CHIP	0.047μF		50V	C5509	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V
C4507	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C5510	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V
C4508	1-164-174-11	CERAMIC CHIP	0.0082μF	10%	25V	C5528	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V
C4509	1-100-899-81	CERAMIC CHIP	0.082μF	10%	10V	C5529	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C4510	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5530	1-112-066-11	CERAMIC CHIP	10μF	10%	10V
C451 1	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5531	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V
C4512	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5623	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V
C4513	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5624	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C5625	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V	C7038	1-127-988-81	CERAMIC CHIP	0.015μF	10%	16V
C5626	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C7039	1-127-988-81	CERAMIC CHIP	0.015μF	10%	16V
C5627	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C7040	1-164-858-11	CERAMIC CHIP	22pF	5%	50V
C5628	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C7041	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C5629	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C7042	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V
C5630	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C7043	1-165-887-91	CERAMIC CHIP	0.22μF	10%	6.3V
C5631	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C7044	1-127-988-81	CERAMIC CHIP	0.015μF	10%	16V
C5632	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C7045	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V
C5633	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C7046	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V
C5634	1-112-066-11	CERAMIC CHIP	10μF	10%	10V	C7047	1-164-882-11	CERAMIC CHIP	220pF	5%	16V
C5635	1-100-906-11	CERAMIC CHIP	0.01μF	10%	16V	C7048	1-164-882-11	CERAMIC CHIP	220pF	5%	16V
C5636	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C7049	1-164-882-11	CERAMIC CHIP	220pF	5%	16V
C5637	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C7050	1-164-882-11	CERAMIC CHIP	220pF	5%	16V
C7000	1-135-960-91	CERAMIC CHIP	10μF	10%	25V	C7051	1-135-960-91	CERAMIC CHIP	10μF	10%	25V
C7001	1-135-960-91	CERAMIC CHIP	10μF	10%	25V	C7052	1-135-960-91	CERAMIC CHIP	10μF	10%	25V
C7002	1-117-681-11	ELECT CHIP	100μF	20%	16V	C7053	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C7003	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	C7054	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C7004	1-128-536-11	ELECT CHIP	100μF	20%	25V	C7055	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C7005	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	C7056	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C7006	1-112-794-11	ELECT CHIP	470μF	20%	16V	C7057	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C7007	1-135-960-91	CERAMIC CHIP	10μF	10%	25V	C7058	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C7008	1-100-911-11	CERAMIC CHIP	4.7μF	10%	25V	C7059	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C7009	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C7060	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C7010	1-127-820-11	CERAMIC CHIP	4.7μF	10%	16V	C7061	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C701 1	1-112-789-11	ELECT CHIP	1000μF	20%	6.3V	C7062	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C7012	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C7063	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C7015	1-100-588-21	ELECT CHIP	1000μF	20%	6.3V	C7064	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C7019	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7065	1-100-912-11	CERAMIC CHIP	1μF	10%	25V
C7020	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7066	1-100-912-11	CERAMIC CHIP	1μF	10%	25V
C7021	1-126-210-21	ELECT CHIP	220μF	20%	4V	C7067	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C7023	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7068	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C7024	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7073	1-135-960-91	CERAMIC CHIP	10μF	10%	25V
C7025	1-165-887-91	CERAMIC CHIP	0.22μF	10%	6.3V	C7074	1-135-960-91	CERAMIC CHIP	10μF	10%	25V
C7026	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C7075	1-135-960-91	CERAMIC CHIP	10μF	10%	25V
C7027	1-164-862-11	CERAMIC CHIP	33pF	5%	50V	C7076	1-135-960-91	CERAMIC CHIP	10μF	10%	25V
C7028	1-164-862-11	CERAMIC CHIP	33pF	5%	50V	C7077	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C7029	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C7078	1-165-875-11	CERAMIC CHIP	10μF	10%	10V
C7030	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C7079	1-165-875-11	CERAMIC CHIP	10μF	10%	10V
C7031	1-164-862-11	CERAMIC CHIP	33pF	5%	50V	C7080	1-100-055-11	CERAMIC CHIP	22μF	20%	16V
C7032	1-164-862-11	CERAMIC CHIP	33pF	5%	50V	C7081	1-100-055-11	CERAMIC CHIP	22μF	20%	16V
C7033	1-127-988-81	CERAMIC CHIP	0.015μF	10%	16V	C7086	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7034	1-164-858-11	CERAMIC CHIP	22pF	5%	50V	C7087	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7035	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7088	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7036	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C7089	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7037	1-165-887-91	CERAMIC CHIP	0.22μF	10%	6.3V	C7090	1-126-210-21	ELECT CHIP	220μF	20%	4V





REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C7091	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7238	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7092	1-126-210-21	ELECT CHIP	220μF	20%	4V	C7239	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7093	1-100-583-21	ELECT CHIP	470μF	20%	4V	C7240	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7094	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C7241	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7100	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7242	1-100-583-21	ELECT CHIP	470μF	20%	4V
C7106	1-112-794-11	ELECT CHIP	470μF	20%	16V	C7243	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7107	1-100-588-21	ELECT CHIP	1000μF	20%	6.3V	C7244	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7200	1-100-583-21	ELECT CHIP	470μF	20%	4V	C7245	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C7201	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7246	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7202	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7247	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7203	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7248	1-100-159-91	CERAMIC CHIP	22μF	10%	6.3V
C7204	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7249	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7205	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7250	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7206	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7251	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7207	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7252	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7208	1-126-210-21	ELECT CHIP	220μF	20%	4V	C7253	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7209	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7254	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7210	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7255	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C721 1	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7256	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7212	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C7257	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7213	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7258	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7214	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7259	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7215	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C7260	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7216	1-100-583-21	ELECT CHIP	470μF	20%	4V	C7261	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C7217	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7262	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7218	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7263	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7219	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7264	1-114-148-11	CERAMIC CHIP	1μF		6.3V
C7220	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C7265	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7221	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7266	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7222	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7267	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7223	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C7268	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7224	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7269	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7225	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7270	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C7226	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7271	1-164-854-11	CERAMIC CHIP	15pF	5%	50V
C7227	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7272	1-164-854-11	CERAMIC CHIP	15pF	5%	50V
C7228	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7273	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V
C7229	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7274	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C7230	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7275	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C7231	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7276	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C7232	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7277	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V
C7233	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7278	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V
C7234	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7279	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C7235	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7280	1-126-210-21	ELECT CHIP	220μF	20%	4V
C7236	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7300	1-117-681-11	ELECT CHIP	100μF	20%	16V
C7237	1-114-148-11	CERAMIC CHIP	1μF		6.3V	C7301	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES			
C7302	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7703	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7303	1-100-055-11	CERAMIC CHIP	22μF	20%	16V	C7704	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7305	1-117-681-11	ELECT CHIP	100μF	20%	16V	C7705	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7306	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C7706	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7400	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7707	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7401	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7720	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	
C7402	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7800	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7403	1-100-506-91	CERAMIC CHIP	1μF	20%	6.3V	C7801	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7404	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7804	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7405	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7805	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7406	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7807	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7407	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7808	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7408	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7809	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7409	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7810	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7410	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C781	1	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V
C741	1	1-114-148-11	CERAMIC CHIP	1μF	6.3V	C7812	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7412	1-114-148-11	CERAMIC CHIP	1μF	6.3V	C7813	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V		
C7413	1-114-148-11	CERAMIC CHIP	1μF	6.3V	C7814	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V		
C7417	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7815	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7418	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7816	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V	
C7420	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7817	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V	
C7422	1-114-148-11	CERAMIC CHIP	1μF	6.3V	C7818	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V		
C7424	1-114-148-11	CERAMIC CHIP	1μF	6.3V	C7819	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V		
C7425	1-114-148-11	CERAMIC CHIP	1μF	6.3V	C7820	1-164-864-11	CERAMIC CHIP	39pF	5%	50V		
C7430	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7821	1-164-858-11	CERAMIC CHIP	22pF	5%	50V	
C7431	1-126-210-21	ELECT CHIP	220μF	20%	4V	C7822	1-164-858-11	CERAMIC CHIP	22pF	5%	50V	
C7432	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V	C7823	1-164-868-11	CERAMIC CHIP	56pF	5%	50V	
C7433	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V	C7824	1-164-868-11	CERAMIC CHIP	56pF	5%	50V	
C7501	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7825	1-164-864-11	CERAMIC CHIP	39pF	5%	50V	
C7502	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7828	1-164-862-11	CERAMIC CHIP	33pF	5%	50V	
C7504	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7829	1-164-862-11	CERAMIC CHIP	33pF	5%	50V	
C7505	1-117-681-11	ELECT CHIP	100μF	20%	16V	C7831	1-107-819-11	CERAMIC CHIP	0.022μF	10%	16V	
C7506	1-117-681-11	ELECT CHIP	100μF	20%	16V	C7832	1-126-205-11	ELECT CHIP	47μF	20%	6.3V	
C7507	1-117-681-11	ELECT CHIP	100μF	20%	16V	C7833	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V	
C7509	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	C7835	1-164-860-11	CERAMIC CHIP	27pF	5%	50V	
C7510	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7836	1-164-860-11	CERAMIC CHIP	27pF	5%	50V	
C751	1	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V	C7837	1-164-840-11	CERAMIC CHIP	1pF	0.25pF	50V
C7512	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V	C7838	1-164-840-11	CERAMIC CHIP	1pF	0.25pF	50V	
C7513	1-126-210-21	ELECT CHIP	220μF	20%	4V	C7840	1-164-860-11	CERAMIC CHIP	27pF	5%	50V	
C7514	1-165-875-11	CERAMIC CHIP	10μF	10%	10V	C7841	1-164-860-11	CERAMIC CHIP	27pF	5%	50V	
C7515	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7842	1-100-581-81	CERAMIC CHIP	0.0047μF	10%	50V	
C7600	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7844	1-117-681-11	ELECT CHIP	100μF	20%	16V	
C7700	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7845	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	
C7701	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7846	1-137-765-21	ELECT CHIP	47μF	20%	16V	
C7702	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C7847	1-164-939-11	CERAMIC CHIP	0.0022μF	10%	50V	



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES				
C7848	1-100-588-21	ELECT CHIP	1000μF	20%	6.3V	C91	18	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7849	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C91	19	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7850	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C9121		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7852	1-128-396-11	ELECT CHIP	470μF	20%	10V	C9122		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7853	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C9123		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7854	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9124		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7855	1-165-887-91	CERAMIC CHIP	0.22μF	10%	6.3V	C9125		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7856	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C9126		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7857	1-100-159-91	CERAMIC CHIP	22μF	10%	6.3V	C9127		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7858	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C9128		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7859	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C9129		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7862	1-112-046-11	CERAMIC CHIP	4.7μF	10%	6.3V	C9130		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7863	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C9131		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7864	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C9132		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7866	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C9133		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7867	1-164-862-11	CERAMIC CHIP	33pF	5%	50V	C9134		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7870	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V	C9135		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7871	1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V	C9136		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7878	1-128-396-11	ELECT CHIP	470μF	20%	10V	C9137		1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V	
C7879	1-162-995-11	CERAMIC CHIP	0.022μF		50V	C9138		1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	
C7950	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C9139		1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	
C7951	1-100-567-81	CERAMIC CHIP	0.01μF	10%	25V	C9140		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7952	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C9143		1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	
C7953	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C9144		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7954	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C9145		1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	
C7956	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C9146		1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	
C7958	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C9147		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7959	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C9149		1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	
C7960	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C9150		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C7961	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C9151		1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V	
C7962	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C9152		1-165-989-11	CERAMIC CHIP	10μF	10%	6.3V	
C9100	1-126-210-21	ELECT CHIP	220μF	20%	4V	C9153		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C9101	1-126-210-21	ELECT CHIP	220μF	20%	4V	C9154		1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	
C9105	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C9155		1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	
C9106	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C9156		1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	
C9107	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C9157		1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	
C9108	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C9158		1-162-968-11	CERAMIC CHIP	0.0047μF	10%	50V	
C91	10	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C9159		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C91	11	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C9160		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C91	12	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C9161		1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C91	13	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C9162		1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C91	14	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C9163		1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C91	15	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V							
C91	16	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V							
C91	17	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V							

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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
<b>CONNECTOR</b>							
* CN1400	1-819-928-11	HEADER ASSEMBLY	20P	D7004	6-501-743-01	DIODE	MAZ8068GMLS0
* CN2000	1-819-461-11	HEADER ASSEMBLY FOR PWB		D7008	8-719-083-58	DIODE	UDZSNPTE-173.9B
CN3004	1-779-936-51	CONNECTOR, FFC/FPC	18P	D7010	8-719-081-34	DIODE	RB160M-30TR
* CN3008	1-820-188-11	HEADER ASSEMBLY (PRINT PWB)	11P	D7013	8-719-081-34	DIODE	RB160M-30TR
* CN4001	1-820-550-11	HEADER ASSEMBLY FOR PWB		D7019	6-500-253-01	DIODE	RB053L-30TE25
CN5000	1-821-013-11	D SUB CONNECTOR		D7201	8-719-081-97	DIODE	MMDL914T1
* CN9102	1-818-656-21	HEADER ASSEMBLY	30P	D7500	8-719-073-34	DIODE	EC21QS03L-TE12L
<b>DIODE</b>				D7801	8-719-058-24	DIODE	RB501V-40TE-17
D1013	6-501-758-01	DIODE	MAZ8100GOLS0	* D7802	6-501-732-01	DIODE	MAZ8056GOLS0
D1014	6-501-758-01	DIODE	MAZ8100GOLS0	* D7803	6-501-732-01	DIODE	MAZ8056GOLS0
D1015	6-501-758-01	DIODE	MAZ8100GOLS0	<b>FUSE</b>			
D1016	6-501-758-01	DIODE	MAZ8100GOLS0	F2000	1-576-958-21	FUSE	4A 24V
D1019	6-501-758-01	DIODE	MAZ8100GOLS0	F3001	1-576-646-11	FUSE	0.5A 50V
D1020	6-501-758-01	DIODE	MAZ8100GOLS0	F4001	1-576-933-21	FUSE	5A 24V
D1021	6-501-758-01	DIODE	MAZ8100GOLS0	$\triangle$ F7000	1-576-603-21	FUSE	3.15A 24V
D2002	6-501-817-01	DIODE	MA2J1110GLS0	<b>FERRITE BEAD</b>			
D2008	6-501-817-01	DIODE	MA2J1110GLS0	FB1700	1-216-864-11	SHORT CHIP	
$\triangle$ D2014	6-500-028-01	DIODE	MM3Z9V1ST1	FB1701	1-412-983-31	INDUCTOR	2.2 $\mu$ H
D2017	8-719-050-37	DIODE	M1MA152WA-T1	FB2000	1-400-212-22	FERRITE	0 $\mu$ H
D2018	8-719-977-28	DIODE	DTZ10B	FB2006	1-400-089-21	FERRITE	0 $\mu$ H
D2019	8-719-977-28	DIODE	DTZ10B	FB2007	1-400-089-21	FERRITE	0 $\mu$ H
* D2020	6-501-732-01	DIODE	MAZ8056GOLS0	FB2008	1-400-089-21	FERRITE	0 $\mu$ H
* D2021	6-501-732-01	DIODE	MAZ8056GOLS0	FB2009	1-400-089-21	FERRITE	0 $\mu$ H
* D2022	6-501-732-01	DIODE	MAZ8056GOLS0	FB2010	1-400-089-21	FERRITE	0 $\mu$ H
D3002	8-719-071-87	DIODE	MA785-(TX),SO	FB2012	1-400-089-21	FERRITE	0 $\mu$ H
D3007	8-719-077-59	DIODE	1PS302	FB2013	1-400-089-21	FERRITE	0 $\mu$ H
* D3020	6-501-732-01	DIODE	MAZ8056GOLS0	FB2014	1-400-089-21	FERRITE	0 $\mu$ H
* D3021	6-501-732-01	DIODE	MAZ8056GOLS0	FB4001	1-400-089-21	FERRITE	0 $\mu$ H
D4012	6-501-774-01	DIODE	MAZ8150GOLS0	FB4002	1-400-110-21	FERRITE	0 $\mu$ H
* D5000	6-501-732-01	DIODE	MAZ8056GOLS0	FB4003	1-400-089-21	FERRITE	0 $\mu$ H
* D5001	6-501-732-01	DIODE	MAZ8056GOLS0	FB4005	1-414-445-11	FERRITE	0 $\mu$ H
* D5002	6-501-732-01	DIODE	MAZ8056GOLS0	FB4006	1-414-445-11	FERRITE	0 $\mu$ H
D5003	8-719-050-38	DIODE	M1MA152WK-T1	FB4007	1-414-445-11	FERRITE	0 $\mu$ H
D5506	6-500-701-01	DIODE	PGB1010603NR	FB4008	1-400-591-22	FERRITE	0 $\mu$ H
D5508	8-719-081-97	DIODE	MMDL914T1	FB4009	1-400-591-22	FERRITE	0 $\mu$ H
D5509	6-500-701-01	DIODE	PGB1010603NR	FB4010	1-400-591-22	FERRITE	0 $\mu$ H
D5513	6-500-701-01	DIODE	PGB1010603NR	FB401	1 1-400-591-22	FERRITE	0 $\mu$ H
D5516	8-719-081-97	DIODE	MMDL914T1	FB4013	1-400-089-21	FERRITE	0 $\mu$ H
D5517	6-500-701-01	DIODE	PGB1010603NR	FB4501	1-412-983-31	INDUCTOR	2.2 $\mu$ H
D7000	8-719-081-97	DIODE	MMDL914T1	FB4502	1-469-555-21	INDUCTOR	10 $\mu$ H
D7001	8-719-988-61	DIODE	1SS355TE-17	FB5000	1-469-100-21	FERRITE	0 $\mu$ H
D7002	6-500-253-01	DIODE	RB053L-30TE25	FB5001	1-469-100-21	FERRITE	0 $\mu$ H
D7003	8-719-977-28	DIODE	DTZ10B	FB5002	1-469-100-21	FERRITE	0 $\mu$ H
				FB5004	1-469-100-21	FERRITE	0 $\mu$ H

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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
FB5005	1-400-141-22	FERRITE	0 $\mu$ H	IC3005	6-704-607-01	IC	M24C16-WMN6T(B)
FB7000	1-400-794-21	FERRITE	0 $\mu$ H	IC3007	6-709-731-01	IC	ADT75ARZ-REEL
FB7003	1-400-089-21	FERRITE	0 $\mu$ H	IC3009	6-709-517-01	IC	S-35390A-J8T1G
$\triangle$ FB7200	1-414-229-11	FERRITE	0 $\mu$ H	IC3010	6-801-402-01	IC	BD4729GTR
$\triangle$ FB7201	1-414-229-11	FERRITE	0 $\mu$ H	IC301 1	6-806-734-01	IC	MB95F118ASPMT-G-SPE1
FB7202	1-414-229-11	FERRITE	0 $\mu$ H	$\triangle$ IC4501	6-711-281-01	IC	AD9380KSTZ-100
FB7203	1-414-229-11	FERRITE	0 $\mu$ H	IC5000	6-704-600-01	IC	M24C02-WMN6T(B)
FB7204	1-414-229-11	FERRITE	0 $\mu$ H	IC5001	6-707-846-01	IC	TC74LCX14FT(EKJ)
FB7300	1-400-089-21	FERRITE	0 $\mu$ H	IC5501	6-704-001-01	IC	BR24L02F-WSE2
FB7301	1-400-089-21	FERRITE	0 $\mu$ H	IC5503	6-704-001-01	IC	BR24L02F-WSE2
FB7302	1-414-229-11	FERRITE	0 $\mu$ H	IC551 1	6-708-758-01	IC	PCA9517DP.118
FB7303	1-414-229-11	FERRITE	0 $\mu$ H	IC5512	8-759-596-34	IC	SN74LV4053APWR
FB7400	1-414-229-11	FERRITE	0 $\mu$ H	IC5513	8-753-255-97	IC	CXB1441R-T4
$\triangle$ FB7700	1-414-229-11	FERRITE	0 $\mu$ H	IC7000	6-702-142-01	IC	PQ1CY1032ZP
FB7701	1-414-229-11	FERRITE	0 $\mu$ H	IC7001	6-708-171-01	IC	MIC5235YM5TR
FB7800	1-414-229-11	FERRITE	0 $\mu$ H	IC7002	6-703-708-01	IC	LM2903DT
FB7801	1-218-990-81	SHORT CHIP		IC7003	6-703-175-01	IC	PST3629UL
FB7802	1-218-990-81	SHORT CHIP		$\triangle$ IC7004	6-709-075-01	IC	TPS5124DBTRG4
FB7803	1-469-084-21	FERRITE	0MH	$\triangle$ IC7005	6-709-075-01	IC	TPS5124DBTRG4
FB7804	1-469-083-21	FERRITE	0 $\mu$ H	IC7006	6-707-739-01	IC	MM1661JTR
FB7805	1-469-083-21	FERRITE	0 $\mu$ H	IC7300	6-711-353-01	IC	100CK2254
FB7806	1-469-083-21	FERRITE	0 $\mu$ H	IC7301	6-700-631-01	IC	TPS2051ADR
FB7807	1-469-083-21	FERRITE	0 $\mu$ H	IC7400	6-711-198-01	IC	HYB18TC512160BF-2.5
FB7808	1-400-198-21	FERRITE	0 $\mu$ H	IC7501	6-709-504-01	IC	K9F5608U0D-PCB0T
FB7809	1-400-198-21	FERRITE	0 $\mu$ H	$\triangle$ IC7503	6-807-556-01	IC	M25P40-VMN6TP
FB9101	1-400-089-21	FERRITE	0 $\mu$ H	IC7504	8-759-675-48	IC	SN74LVC32APWR
<b>FILTER</b>				IC7505	6-705-468-01	IC	BA33BC0FP-E2
FL3001	1-234-177-21	FERRITE	0 $\mu$ H	IC7506	6-703-038-01	IC	CD74HC4538PWR
FL5501	1-234-177-21	FERRITE	0 $\mu$ H	IC7950	8-759-338-95	IC	NJM2903V(Te2)
FL5502	1-234-177-21	FERRITE	0 $\mu$ H	IC9100	6-702-973-01	IC	CXD9690Q
<b>IC</b>				IC9102	6-704-519-01	IC	THC63LVD103
IC1001	8-759-548-56	IC	M52055FP	IC9105	6-701-680-01	IC	PST3629NR
IC2004	8-759-278-58	IC	NJM4558V-TE2	<b>JACK</b>			
IC2005	8-759-460-79	IC	BA09FP-E2	J1000	1-780-487-11	S TERMINAL BLOCK	
IC2006	8-759-278-58	IC	NJM4558V-TE2	J1 100	1-821-064-11	PHONO JACK	10P
IC2008	6-709-927-01	IC	RT8H225C-TP-2	J1701	1-820-765-11	PHONO JACK	2P
IC2009	6-710-904-01	IC	TPA3100D2PHPR	J1710	1-820-638-11	JACK (SMALL TYPE)	
IC2010	8-759-359-49	IC	NJM3414AV(Te2)	* J1722	1-821-418-11	PIN JACK BLOCK	1P
IC201 1	6-709-927-01	IC	RT8H225C-TP-2	J5505	1-818-737-11	HDMI CONNECTOR	
IC2013	6-701-105-01	IC	NJM2750M-TE2	J5506	1-818-737-11	HDMI CONNECTOR	
IC2014	6-707-181-01	IC	AK5366VQ-L				
IC2015	6-704-819-01	IC	CS4335-KSZR				
IC2016	6-704-819-01	IC	CS4335-KSZR				

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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
<b>COIL</b>				L7808	1-469-555-21	INDUCTOR	10 $\mu$ H
L1001	1-469-555-21	INDUCTOR	10 $\mu$ H	L7809	1-412-972-31	INDUCTOR	0.27 $\mu$ H
L1007	1-412-983-31	INDUCTOR	2.2 $\mu$ H	L7810	1-412-972-31	INDUCTOR	0.27 $\mu$ H
L2005	1-469-555-21	INDUCTOR	10 $\mu$ H	L781 1	1-469-555-21	INDUCTOR	10 $\mu$ H
L201 1	1-469-555-21	INDUCTOR	10 $\mu$ H	L7812	1-469-555-21	INDUCTOR	10 $\mu$ H
L2015	1-469-555-21	INDUCTOR	10 $\mu$ H	L7813	1-469-555-21	INDUCTOR	10 $\mu$ H
L2016	1-481-083-11	INDUCTOR	22 $\mu$ H	L7814	1-469-555-21	INDUCTOR	10 $\mu$ H
L2017	1-412-058-11	INDUCTOR	10 $\mu$ H	L7815	1-469-555-21	INDUCTOR	10 $\mu$ H
L2018	1-457-429-11	INDUCTOR	22 $\mu$ H	L7817	1-400-180-21	FERRITE	0 $\mu$ H
L2019	1-457-429-11	INDUCTOR	22 $\mu$ H	L7818	1-400-180-21	FERRITE	0 $\mu$ H
L2022	1-469-555-21	INDUCTOR	10 $\mu$ H	L7819	1-469-555-21	INDUCTOR	10 $\mu$ H
L2023	1-216-864-11	SHORT CHIP		L7820	1-400-180-21	FERRITE	0 $\mu$ H
L2025	1-469-555-21	INDUCTOR	10 $\mu$ H	L7821	1-400-180-21	FERRITE	0 $\mu$ H
L2026	1-457-429-11	INDUCTOR	22 $\mu$ H	L7822	1-400-180-21	FERRITE	0 $\mu$ H
L2027	1-457-429-11	INDUCTOR	22 $\mu$ H	L7824	1-400-180-21	FERRITE	0 $\mu$ H
L3002	1-400-794-21	FERRITE	0 $\mu$ H	L7825	1-400-180-21	FERRITE	0 $\mu$ H
L4501	1-469-555-21	INDUCTOR	10 $\mu$ H	L7826	1-400-180-21	FERRITE	0 $\mu$ H
L4502	1-469-555-21	INDUCTOR	10 $\mu$ H	L7827	1-400-180-21	FERRITE	0 $\mu$ H
L4503	1-469-555-21	INDUCTOR	10 $\mu$ H	L9100	1-469-555-21	INDUCTOR	10 $\mu$ H
L4504	1-469-555-21	INDUCTOR	10 $\mu$ H	L9101	1-412-029-11	INDUCTOR	10 $\mu$ H
L4505	1-469-555-21	INDUCTOR	10 $\mu$ H	L9103	1-469-555-21	INDUCTOR	10 $\mu$ H
L5005	1-457-223-11	INDUCTOR	0 $\mu$ H	L9104	1-469-555-21	INDUCTOR	10 $\mu$ H
L5006	1-457-223-11	INDUCTOR	0 $\mu$ H	L9105	1-469-555-21	INDUCTOR	10 $\mu$ H
L5007	1-457-223-11	INDUCTOR	0 $\mu$ H	L9106	1-456-984-11	INDUCTOR	0 $\mu$ H
L5008	1-457-223-11	INDUCTOR	0 $\mu$ H	L9107	1-456-984-11	INDUCTOR	0 $\mu$ H
L5501	1-457-223-11	INDUCTOR	0 $\mu$ H	L9108	1-456-984-11	INDUCTOR	0 $\mu$ H
L5502	1-457-223-11	INDUCTOR	0 $\mu$ H	L9109	1-456-984-11	INDUCTOR	0 $\mu$ H
L5503	1-457-223-11	INDUCTOR	0 $\mu$ H	L91 10	1-456-984-11	INDUCTOR	0 $\mu$ H
L5504	1-457-223-11	INDUCTOR	0 $\mu$ H	L91 11	1-400-177-21	FERRITE	0 $\mu$ H
L7001	1-457-242-11	INDUCTOR	47 $\mu$ H	<b>IC LINK</b>			
L7002	1-424-976-21	INDUCTOR	47 $\mu$ H	PS5000	1-576-646-11	FUSE	0.5A 50V
L7004	1-424-922-21	INDUCTOR	10 $\mu$ H	$\triangle$ PS7000	1-576-925-11	IC LINK	3.15A 0V
L7005	1-424-922-21	INDUCTOR	10 $\mu$ H	$\triangle$ PS7001	1-576-925-11	IC LINK	3.15A 0V
L7006	1-400-325-11	INDUCTOR	5.6 $\mu$ H	<b>TRANSISTOR</b>			
L7007	1-400-281-11	INDUCTOR	10 $\mu$ H	Q1007	8-729-422-27	TRANSISTOR	2SD601A-Q
L7201	1-400-180-21	FERRITE	0 $\mu$ H	Q2006	8-729-620-13	TRANSISTOR	2SC4154TP-1EF
L7300	1-400-284-21	INDUCTOR	0 $\mu$ H	Q2007	6-551-364-01	TRANSISTOR	DTC614TUT106
L7431	1-400-180-21	FERRITE	0 $\mu$ H	Q2008	6-551-364-01	TRANSISTOR	DTC614TUT106
L7720	1-400-180-21	FERRITE	0 $\mu$ H	Q2009	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L7800	1-412-973-11	INDUCTOR	0.33 $\mu$ H	Q2010	8-729-013-28	TRANSISTOR	HN1B01FU-TE85R
L7801	1-412-971-31	INDUCTOR	0.22 $\mu$ H	Q2012	6-551-271-01	TRANSISTOR	RT3AMMM
L7802	1-412-971-31	INDUCTOR	0.22 $\mu$ H	Q2013	6-551-271-01	TRANSISTOR	RT3AMMM
L7805	1-412-973-11	INDUCTOR	0.33 $\mu$ H	Q2016	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L7806	1-412-974-41	INDUCTOR	0.39 $\mu$ H				
L7807	1-412-974-41	INDUCTOR	0.39 $\mu$ H				

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

NOTE: Les composants identifiés par un triangle 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
Q2017	8-729-028-96	TRANSISTOR	DTC114EUA-T106	R1 102	1-218-831-11	METAL CHIP	220 0.50% 1/10W
				R1 103	1-218-831-11	METAL CHIP	220 0.50% 1/10W
Q2018	8-729-028-96	TRANSISTOR	DTC114EUA-T106	R1 104	1-218-831-11	METAL CHIP	220 0.50% 1/10W
Q2019	6-551-364-01	TRANSISTOR	DTC614TUT106	R1 105	1-218-933-11	RES-CHIP	22 5% 1/16W
Q2020	6-551-364-01	TRANSISTOR	DTC614TUT106	R1 106	1-218-831-11	METAL CHIP	220 0.50% 1/10W
Q2021	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q3007	8-729-028-96	TRANSISTOR	DTC114EUA-T106	R1 107	1-218-831-11	METAL CHIP	220 0.50% 1/10W
				R1 108	1-218-831-11	METAL CHIP	220 0.50% 1/10W
Q4001	8-729-028-97	TRANSISTOR	DTC114TUA-T106	R1 109	1-218-933-11	RES-CHIP	22 5% 1/16W
Q4002	8-729-028-97	TRANSISTOR	DTC114TUA-T106	R1 110	1-218-831-11	METAL CHIP	220 0.50% 1/10W
Q401 1	8-729-907-00	TRANSISTOR	DTC114EU	R 1111	1-218-831-11 MET	AL CHIP	220 0.50% 1/10W
Q4014	8-729-028-96	TRANSISTOR	DTC114EUA-T106				
Q4016	8-729-028-97	TRANSISTOR	DTC114TUA-T106	R1 112	1-218-831-11	METAL CHIP	220 0.50% 1/10W
				R1 113	1-218-933-11	RES-CHIP	22 5% 1/16W
Q4017	8-729-028-97	TRANSISTOR	DTC114TUA-T106	R1 114	1-218-990-81	SHORT CHIP	
Q4018	8-729-054-36	TRANSISTOR	UPA1716G-E2	R1 115	1-218-985-11	RES-CHIP	470K 5% 1/16W
Q4501	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LF	R1 116	1-218-990-81	SHORT CHIP	
Q4502	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LF				
Q4503	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LF	R1 117	1-218-985-11	RES-CHIP	470K 5% 1/16W
				R1 132	1-218-831-11	METAL CHIP	220 0.50% 1/10W
Q5503	8-729-028-28	TRANSISTOR	2SK2036(TE85L)	R1 133	1-218-831-11	METAL CHIP	220 0.50% 1/10W
Q5505	8-729-028-28	TRANSISTOR	2SK2036(TE85L)	R1 134	1-218-831-11	METAL CHIP	220 0.50% 1/10W
Q5507	8-729-028-96	TRANSISTOR	DTC114EUA-T106	R1 135	1-218-933-11	RES-CHIP	22 5% 1/16W
Q5624	8-729-907-00	TRANSISTOR	DTC114EU				
Q5625	8-729-907-00	TRANSISTOR	DTC114EU	R1 136	1-218-831-11	METAL CHIP	220 0.50% 1/10W
				R1 137	1-218-831-11	METAL CHIP	220 0.50% 1/10W
$\triangle$ Q7000	8-729-046-04	TRANSISTOR	FDS6690A	R1 138	1-218-831-11	METAL CHIP	220 0.50% 1/10W
$\triangle$ Q7001	6-709-438-01	TRANSISTOR	FDS6986AS-NL	R1 139	1-218-933-11	RES-CHIP	22 5% 1/16W
$\triangle$ Q7002	6-709-438-01	TRANSISTOR	FDS6986AS-NL	R1 140	1-218-831-11	METAL CHIP	220 0.50% 1/10W
$\triangle$ Q7003	6-709-438-01	TRANSISTOR	FDS6986AS-NL				
$\triangle$ Q7004	6-709-438-01	TRANSISTOR	FDS6986AS-NL	R1 141	1-218-831-11	METAL CHIP	220 0.50% 1/10W
				R1 142	1-218-831-11	METAL CHIP	220 0.50% 1/10W
Q7800	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	R1 143	1-218-933-11	RES-CHIP	22 5% 1/16W
Q7802	6-551-699-01	TRANSISTOR	ISA1602AM1TP-1EF	R1 144	1-218-990-81	SHORT CHIP	
Q7803	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LF	R1 145	1-218-985-11	RES-CHIP	470K 5% 1/16W
Q7804	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LF				
Q7807	8-729-620-13	TRANSISTOR	2SC4154TP-1EF	R1 146	1-218-990-81	SHORT CHIP	
				R1 147	1-218-985-11	RES-CHIP	470K 5% 1/16W
Q9100	8-729-600-22	TRANSISTOR	2SA1235-F	R1401	1-216-864-11	SHORT CHIP	
Q9101	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LF	R1402	1-218-990-81	SHORT CHIP	
				R1403	1-218-990-81	SHORT CHIP	
				R1404	1-218-990-81	SHORT CHIP	
				R1405	1-218-990-81	SHORT CHIP	
				R1406	1-218-990-81	SHORT CHIP	
				R1408	1-216-864-11	SHORT CHIP	
				R1700	1-218-981-91	RES-CHIP	220K 5% 1/16W
				R1701	1-218-981-91	RES-CHIP	220K 5% 1/16W
				R1702	1-218-957-11	RES-CHIP	2.2K 5% 1/16W
				R1703	1-218-957-11	RES-CHIP	2.2K 5% 1/16W
				R1710	1-218-985-11	RES-CHIP	470K 5% 1/16W
				R171 1	1-218-985-11	RES-CHIP	470K 5% 1/16W
<b>RESISTOR</b>							
R1012	1-218-985-11	RES-CHIP	470K 5% 1/16W				
R1013	1-218-990-81	SHORT CHIP					
R1014	1-218-985-11	RES-CHIP	470K 5% 1/16W				
R1015	1-218-990-81	SHORT CHIP					
R1016	1-218-990-81	SHORT CHIP					
R1021	1-218-985-11	RES-CHIP	470K 5% 1/16W				
R1022	1-218-990-81	SHORT CHIP					
R1023	1-218-985-11	RES-CHIP	470K 5% 1/16W				
R1024	1-218-990-81	SHORT CHIP					
R1025	1-218-990-81	SHORT CHIP					



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1712	1-218-953-11	RES-CHIP	1K	5%	1/16W	R1928	1-216-864-11	SHORT CHIP			
R1713	1-218-953-11	RES-CHIP	1K	5%	1/16W	R1929	1-216-864-11	SHORT CHIP			
R1720	1-218-985-11	RES-CHIP	470K	5%	1/16W	R1930	1-216-864-11	SHORT CHIP			
R1721	1-218-985-11	RES-CHIP	470K	5%	1/16W	R1931	1-216-864-11	SHORT CHIP			
R1722	1-218-953-11	RES-CHIP	1K	5%	1/16W	R1932	1-216-864-11	SHORT CHIP			
R1723	1-218-953-11	RES-CHIP	1K	5%	1/16W	R1933	1-216-864-11	SHORT CHIP			
R1726	1-216-864-11	SHORT CHIP				R1934	1-216-864-11	SHORT CHIP			
R1727	1-216-864-11	SHORT CHIP				R1935	1-216-864-11	SHORT CHIP			
R1728	1-216-864-11	SHORT CHIP				R1936	1-216-864-11	SHORT CHIP			
R1822	1-218-990-81	SHORT CHIP				R1937	1-216-864-11	SHORT CHIP			
R1832	1-218-990-81	SHORT CHIP				R1938	1-216-864-11	SHORT CHIP			
R1833	1-218-990-81	SHORT CHIP				R1939	1-216-864-11	SHORT CHIP			
R1836	1-218-990-81	SHORT CHIP				R1940	1-216-295-91	SHORT CHIP			
R1839	1-218-990-81	SHORT CHIP				R1941	1-216-295-91	SHORT CHIP			
R1842	1-218-990-81	SHORT CHIP				R1942	1-216-295-91	SHORT CHIP			
R1845	1-218-990-81	SHORT CHIP				R1943	1-216-295-91	SHORT CHIP			
R1848	1-218-990-81	SHORT CHIP				R1944	1-216-295-91	SHORT CHIP			
R1850	1-216-809-11	METAL CHIP	100	5%	1/10W	R1945	1-216-295-91	SHORT CHIP			
R1859	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R1946	1-216-295-91	SHORT CHIP			
R1866	1-216-864-11	SHORT CHIP				R1947	1-216-295-91	SHORT CHIP			
R1867	1-216-864-11	SHORT CHIP				R1948	1-216-295-91	SHORT CHIP			
R1868	1-216-864-11	SHORT CHIP				R1949	1-216-295-91	SHORT CHIP			
R1869	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R1950	1-216-295-91	SHORT CHIP			
R1870	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R1951	1-216-295-91	SHORT CHIP			
R1871	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R1952	1-216-295-91	SHORT CHIP			
R1876	1-216-864-11	SHORT CHIP				R1953	1-216-295-91	SHORT CHIP			
R1877	1-216-864-11	SHORT CHIP				R1954	1-216-295-91	SHORT CHIP			
R1878	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R1955	1-216-295-91	SHORT CHIP			
R1885	1-216-864-11	SHORT CHIP				R1956	1-216-295-91	SHORT CHIP			
R1886	1-216-864-11	SHORT CHIP				R1957	1-216-295-91	SHORT CHIP			
R1887	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R1958	1-216-295-91	SHORT CHIP			
R1894	1-216-864-11	SHORT CHIP				R1959	1-216-295-91	SHORT CHIP			
R1914	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R1960	1-216-295-91	SHORT CHIP			
R1915	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R1961	1-216-295-91	SHORT CHIP			
R1916	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R1962	1-216-295-91	SHORT CHIP			
R1917	1-218-969-11	RES-CHIP	22K	5%	1/16W	R1963	1-216-295-91	SHORT CHIP			
R1918	1-218-965-11	RES-CHIP	10K	5%	1/16W	R21 10	1-208-905-11	METAL CHIP	5.6K	0.50%	1/16W
R1919	1-218-941-81	RES-CHIP	100	5%	1/16W	R21 11	1-208-905-11	METAL CHIP	5.6K	0.50%	1/16W
R1920	1-218-839-11	METAL CHIP	470	0.50%	1/10W	R21 12	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1922	1-218-990-81	SHORT CHIP				R21 13	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1923	1-218-990-81	SHORT CHIP				R21 14	1-216-864-11	SHORT CHIP			
R1924	1-216-864-11	SHORT CHIP				R21 16	1-216-864-11	SHORT CHIP			
R1925	1-216-864-11	SHORT CHIP				R21 17	1-208-687-11	METAL CHIP	1.5K	0.50%	1/16W
R1926	1-216-864-11	SHORT CHIP				R21 18	1-208-687-11	METAL CHIP	1.5K	0.50%	1/16W
R1927	1-216-864-11	SHORT CHIP				R2120	1-218-973-11	RES-CHIP	47K	5%	1/16W





REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2121	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2206	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2122	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2210	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W
R2126	1-218-973-11	RES-CHIP	47K	5%	1/16W	R221 1	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W
R2129	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2212	1-208-711-11	METAL CHIP	15K	0.50%	1/16W
R2130	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W	R2213	1-208-711-11	METAL CHIP	15K	0.50%	1/16W
R2131	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W	R2214	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2133	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2215	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2138	1-218-985-11	RES-CHIP	470K	5%	1/16W	R2216	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2139	1-218-985-11	RES-CHIP	470K	5%	1/16W	R2217	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2141	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R2222	1-218-973-11	RES-CHIP	47K	5%	1/16W
R2142	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R2227	1-218-973-11	RES-CHIP	47K	5%	1/16W
R2143	1-208-905-11	METAL CHIP	5.6K	0.50%	1/16W	R2228	1-469-083-21	FERRITE	0μH		
R2145	1-208-905-11	METAL CHIP	5.6K	0.50%	1/16W	R2229	1-469-083-21	FERRITE	0μH		
R2147	1-218-990-81	SHORT CHIP				R2230	1-220-199-81	RES-CHIP	24K	5%	1/16W
R2148	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2231	1-220-199-81	RES-CHIP	24K	5%	1/16W
R2149	1-218-969-11	RES-CHIP	22K	5%	1/16W	R2232	1-469-083-21	FERRITE	0μH		
R2150	1-218-969-11	RES-CHIP	22K	5%	1/16W	R2233	1-469-083-21	FERRITE	0μH		
R2151	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2234	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2153	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2235	1-216-813-11	METAL CHIP	220	5%	1/10W
R2161	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2236	1-216-807-11	METAL CHIP	68	5%	1/10W
R2162	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2237	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2163	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2238	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2166	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2239	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2167	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2249	1-218-941-81	RES-CHIP	100	5%	1/16W
R2168	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R2250	1-218-990-81	SHORT CHIP			
R2169	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2251	1-218-953-11	RES-CHIP	1K	5%	1/16W
R2170	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2252	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R2171	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R2253	1-218-990-81	SHORT CHIP			
R2176	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2254	1-218-990-81	SHORT CHIP			
R2177	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2257	1-218-982-11	RES-CHIP	270K	5%	1/16W
R2178	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2258	1-218-982-11	RES-CHIP	270K	5%	1/16W
R2179	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2259	1-218-982-11	RES-CHIP	270K	5%	1/16W
R2180	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2260	1-218-982-11	RES-CHIP	270K	5%	1/16W
R2181	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2261	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2184	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2262	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2185	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2263	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2186	1-216-813-11	METAL CHIP	220	5%	1/10W	R2264	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2187	1-216-813-11	METAL CHIP	220	5%	1/10W	R2265	1-218-950-11	RES-CHIP	560	5%	1/16W
R2198	1-218-963-11	RES-CHIP	6.8K	5%	1/16W	R2266	1-218-950-11	RES-CHIP	560	5%	1/16W
R2199	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2267	1-218-950-11	RES-CHIP	560	5%	1/16W
R2200	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2268	1-218-950-11	RES-CHIP	560	5%	1/16W
R2201	1-218-990-81	SHORT CHIP				R2269	1-218-941-81	RES-CHIP	100	5%	1/16W
R2202	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2270	1-218-941-81	RES-CHIP	100	5%	1/16W
R2204	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2271	1-218-941-81	RES-CHIP	100	5%	1/16W
R2205	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2272	1-218-941-81	RES-CHIP	100	5%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2273	1-218-973-11	RES-CHIP	47K	5%	1/16W	R3534	1-216-864-11	SHORT CHIP			
R2274	1-218-973-11	RES-CHIP	47K	5%	1/16W	R3539	1-218-990-81	SHORT CHIP			
R2275	1-218-973-11	RES-CHIP	47K	5%	1/16W	R3541	1-218-990-81	SHORT CHIP			
R2276	1-218-973-11	RES-CHIP	47K	5%	1/16W	R4002	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2277	1-218-990-81	SHORT CHIP				R4006	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2278	1-218-990-81	SHORT CHIP				R4007	1-218-979-11	RES-CHIP	150K	5%	1/16W
R2281	1-208-695-11	METAL CHIP	3.3K	0.50%	1/16W	R4008	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2282	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R4013	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2283	1-218-990-81	SHORT CHIP				R4042	1-218-977-11	RES-CHIP	100K	5%	1/16W
R3010	1-218-990-81	SHORT CHIP				R4043	1-218-979-11	RES-CHIP	150K	5%	1/16W
R3031	1-208-931-11	METAL CHIP	68K	0.50%	1/16W	R4045	1-216-864-11	SHORT CHIP			
R3034	1-208-703-11	METAL CHIP	6.8K	0.50%	1/16W	R4047	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3037	1-208-711-11	METAL CHIP	15K	0.50%	1/16W	R4048	1-218-839-11	METAL CHIP	470	0.50%	1/10W
R3073	1-218-990-81	SHORT CHIP				R4050	1-218-971-11	RES-CHIP	33K	5%	1/16W
R3087	1-218-990-81	SHORT CHIP				R4058	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3101	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R4060	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3146	1-218-941-81	RES-CHIP	100	5%	1/16W	R4061	1-218-983-11	RES-CHIP	330K	5%	1/16W
R3180	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4063	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R3190	1-208-886-81	METAL CHIP	910	0.50%	1/16W	R4064	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3201	1-218-990-81	SHORT CHIP				R4065	1-218-971-11	RES-CHIP	33K	5%	1/16W
R3218	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R4067	1-218-990-81	SHORT CHIP			
R3223	1-218-945-11	RES-CHIP	220	5%	1/16W	R4545	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R3243	1-218-941-81	RES-CHIP	100	5%	1/16W	R4546	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R3247	1-218-990-81	SHORT CHIP				R4547	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R3249	1-218-935-11	RES-CHIP	33	5%	1/16W	R4551	1-216-864-11	SHORT CHIP			
R3255	1-400-591-22	FERRITE	0μH			R4552	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3256	1-400-591-22	FERRITE	0μH			R4553	1-218-289-11	METAL CHIP	510	5%	1/10W
R3257	1-400-591-22	FERRITE	0μH			R4554	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3258	1-400-591-22	FERRITE	0μH			R4555	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3260	1-400-591-22	FERRITE	0μH			R4556	1-216-801-11	METAL CHIP	22	5%	1/10W
R3261	1-400-591-22	FERRITE	0μH			R4557	1-216-801-11	METAL CHIP	22	5%	1/10W
R3262	1-400-591-22	FERRITE	0μH			R4558	1-216-801-11	METAL CHIP	22	5%	1/10W
R3264	1-400-591-22	FERRITE	0μH			R4559	1-216-801-11	METAL CHIP	22	5%	1/10W
R3265	1-400-591-22	FERRITE	0μH			R4560	1-218-969-11	RES-CHIP	22K	5%	1/16W
R3267	1-216-864-11	SHORT CHIP				R4561	1-218-969-11	RES-CHIP	22K	5%	1/16W
R3270	1-218-941-81	RES-CHIP	100	5%	1/16W	R4562	1-218-969-11	RES-CHIP	22K	5%	1/16W
R3515	1-216-833-11	METAL CHIP	10K	5%	1/10W	R4563	1-218-969-11	RES-CHIP	22K	5%	1/16W
R3516	1-216-809-11	METAL CHIP	100	5%	1/10W	R4564	1-218-969-11	RES-CHIP	22K	5%	1/16W
R3517	1-218-989-11	RES-CHIP	1M	5%	1/16W	R4565	1-218-969-11	RES-CHIP	22K	5%	1/16W
R3519	1-216-809-11	METAL CHIP	100	5%	1/10W	R4575	1-216-864-11	SHORT CHIP			
R3524	1-218-990-81	SHORT CHIP				R4576	1-216-864-11	SHORT CHIP			
R3526	1-216-864-11	SHORT CHIP				R4577	1-216-864-11	SHORT CHIP			
R3527	1-218-941-81	RES-CHIP	100	5%	1/16W	R4578	1-208-675-11	METAL CHIP	470	0.50%	1/16W
R3528	1-218-990-81	SHORT CHIP				R4579	1-208-675-11	METAL CHIP	470	0.50%	1/16W
R3533	1-216-864-11	SHORT CHIP				R4580	1-208-675-11	METAL CHIP	470	0.50%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5012	1-218-827-11	METAL CHIP	150	0.50%	1/10W	R7002	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5013	1-218-827-11	METAL CHIP	150	0.50%	1/10W	R7003	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5014	1-218-827-11	METAL CHIP	150	0.50%	1/10W	R7004	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5015	1-218-827-11	METAL CHIP	150	0.50%	1/10W	R7005	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R5016	1-218-953-11	RES-CHIP	1K	5%	1/16W	R7006	1-218-861-11	METAL CHIP	3.9K	0.50%	1/10W
R5017	1-218-827-11	METAL CHIP	150	0.50%	1/10W	R7007	1-218-847-11	METAL CHIP	1K	0.50%	1/10W
R5018	1-218-827-11	METAL CHIP	150	0.50%	1/10W	R7008	1-218-873-11	METAL CHIP	12K	0.50%	1/10W
R5019	1-218-977-11	RES-CHIP	100K	5%	1/16W	R7009	1-218-891-11	METAL CHIP	68K	0.50%	1/10W
R5029	1-218-933-11	RES-CHIP	22	5%	1/16W	R7010	1-218-911-11	METAL CHIP	470K	0.50%	1/10W
R5030	1-218-933-11	RES-CHIP	22	5%	1/16W	R7012	1-216-295-91	SHORT CHIP			
R5501	1-218-929-11	RES-CHIP	10	5%	1/16W	R7016	1-216-295-91	SHORT CHIP			
R5504	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R7017	1-469-553-21	INDUCTOR	4.7μH		
R5505	1-218-929-11	RES-CHIP	10	5%	1/16W	R7018	1-208-935-11	METAL CHIP	100K	0.50%	1/16W
R5512	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R7019	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5513	1-218-941-81	RES-CHIP	100	5%	1/16W	R7020	1-218-990-81	SHORT CHIP			
R5514	1-218-941-81	RES-CHIP	100	5%	1/16W	R7021	1-218-990-81	SHORT CHIP			
R5519	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R7022	1-216-820-11	METAL CHIP	820	5%	1/10W
R5521	1-218-973-11	RES-CHIP	47K	5%	1/16W	R7023	1-216-819-11	METAL CHIP	680	5%	1/10W
R5525	1-218-973-11	RES-CHIP	47K	5%	1/16W	R7024	1-218-941-81	RES-CHIP	100	5%	1/16W
R5527	1-218-941-81	RES-CHIP	100	5%	1/16W	R7025	1-208-936-11	METAL CHIP	110K	0.50%	1/16W
R5528	1-218-941-81	RES-CHIP	100	5%	1/16W	R7026	1-208-935-11	METAL CHIP	100K	0.50%	1/16W
R5529	1-218-973-11	RES-CHIP	47K	5%	1/16W	R7027	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5530	1-218-941-81	RES-CHIP	100	5%	1/16W	R7028	1-208-956-81	METAL CHIP	750K	0.50%	1/16W
R5534	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R7029	1-218-990-81	SHORT CHIP			
R5535	1-218-973-11	RES-CHIP	47K	5%	1/16W	R7030	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5536	1-218-973-11	RES-CHIP	47K	5%	1/16W	R7032	1-218-990-81	SHORT CHIP			
R5538	1-218-973-11	RES-CHIP	47K	5%	1/16W	R7034	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5539	1-218-990-81	SHORT CHIP				R7035	1-208-695-11	METAL CHIP	3.3K	0.50%	1/16W
R5543	1-218-941-81	RES-CHIP	100	5%	1/16W	R7036	1-218-982-11	RES-CHIP	270K	5%	1/16W
R5557	1-218-990-81	SHORT CHIP				R7037	1-208-687-11	METAL CHIP	1.5K	0.50%	1/16W
R5580	1-216-295-91	SHORT CHIP				R7038	1-208-923-11	METAL CHIP	33K	0.50%	1/16W
R5622	1-218-965-11	RES-CHIP	10K	5%	1/16W	R7039	1-208-923-11	METAL CHIP	33K	0.50%	1/16W
R5637	1-218-990-81	SHORT CHIP				R7040	1-208-923-11	METAL CHIP	33K	0.50%	1/16W
R5638	1-218-990-81	SHORT CHIP				R7041	1-208-927-11	METAL CHIP	47K	0.50%	1/16W
R5642	1-216-864-11	SHORT CHIP				R7042	1-218-982-11	RES-CHIP	270K	5%	1/16W
R5644	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R7043	1-208-923-11	METAL CHIP	33K	0.50%	1/16W
R5645	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R7044	1-208-929-81	METAL CHIP	56K	0.50%	1/16W
R5648	1-216-864-11	SHORT CHIP				R7045	1-208-923-11	METAL CHIP	33K	0.50%	1/16W
R5658	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R7046	1-208-923-11	METAL CHIP	33K	0.50%	1/16W
R5660	1-218-990-81	SHORT CHIP				R7047	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W
R5671	1-218-941-81	RES-CHIP	100	5%	1/16W	R7048	1-218-941-81	RES-CHIP	100	5%	1/16W
R5680	1-216-864-11	SHORT CHIP				R7049	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W
R5681	1-216-864-11	SHORT CHIP				R7050	1-218-941-81	RES-CHIP	100	5%	1/16W
R7000	1-216-821-11	METAL CHIP	1K	5%	1/10W	R7051	1-218-941-81	RES-CHIP	100	5%	1/16W
R7001	1-216-815-11	METAL CHIP	330	5%	1/10W	R7052	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES			
R7053	1-218-941-81	RES-CHIP	100	5%	1/16W	R7335	1-216-864-11	SHORT CHIP				
R7054	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W	R7337	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R7055	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R7400	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	
R7056	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R7401	1-208-855-81	METAL CHIP	47	0.50%	1/16W	
R7057	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R7402	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	
R7058	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R7403	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	
R7059	1-218-937-11	RES-CHIP	47	5%	1/16W	R7404	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	
R7060	1-218-937-11	RES-CHIP	47	5%	1/16W	R7405	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	
R7061	1-218-937-11	RES-CHIP	47	5%	1/16W	R7406	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	
R7062	1-218-937-11	RES-CHIP	47	5%	1/16W	R7407	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	
R7063	1-216-864-11	SHORT CHIP				R7408	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	
R7064	1-216-864-11	SHORT CHIP				R7501	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	
R7065	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R7502	1-218-990-81	SHORT CHIP				
R7066	1-208-709-11	METAL CHIP	12K	0.50%	1/16W	R7505	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R7067	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R7506	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R7068	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R7508	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R7069	1-216-295-91	SHORT CHIP				R7509	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R7070	1-216-295-91	SHORT CHIP				R751	1	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7071	1-216-791-11	METAL CHIP	3.3	5%	1/10W	R7513	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R7072	1-216-791-11	METAL CHIP	3.3	5%	1/10W	R7517	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R7073	1-216-791-11	METAL CHIP	3.3	5%	1/10W	R7521	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R7074	1-216-791-11	METAL CHIP	3.3	5%	1/10W	R7526	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R7079	1-216-295-91	SHORT CHIP				R7528	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R7080	1-216-295-91	SHORT CHIP				R7529	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R7081	1-216-295-91	SHORT CHIP				R7532	1-218-990-81	SHORT CHIP				
R7082	1-216-295-91	SHORT CHIP				R7533	1-218-446-11	METAL CHIP	1	5%	1/10W	
R7089	1-216-295-91	SHORT CHIP				R7535	1-218-990-81	SHORT CHIP				
R7092	1-218-990-81	SHORT CHIP				R7541	1-218-990-81	SHORT CHIP				
R7200	1-218-989-11	RES-CHIP	1M	5%	1/16W	R7542	1-218-990-81	SHORT CHIP				
R7201	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R7544	1-218-990-81	SHORT CHIP				
R7202	1-218-990-81	SHORT CHIP				R7607	1-218-933-11	RES-CHIP	22	5%	1/16W	
R7203	1-218-941-81	RES-CHIP	100	5%	1/16W	R7608	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R7301	1-216-864-11	SHORT CHIP				R7609	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R7302	1-216-864-11	SHORT CHIP				R7610	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R7307	1-218-965-11	RES-CHIP	10K	5%	1/16W	R761	1	1-218-933-11	RES-CHIP	22	5%	1/16W
R7317	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R7703	1-218-990-81	SHORT CHIP				
R7318	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R7705	1-218-941-81	RES-CHIP	100	5%	1/16W	
R7327	1-218-977-11	RES-CHIP	100K	5%	1/16W	R7706	1-218-935-11	RES-CHIP	33	5%	1/16W	
R7328	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R7710	1-218-935-11	RES-CHIP	33	5%	1/16W	
R7329	1-216-835-11	METAL CHIP	15K	5%	1/10W	R7712	1-218-935-11	RES-CHIP	33	5%	1/16W	
R7330	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R7714	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R7331	1-216-835-11	METAL CHIP	15K	5%	1/10W	R7715	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R7332	1-216-835-11	METAL CHIP	15K	5%	1/10W	R7716	1-218-935-11	RES-CHIP	33	5%	1/16W	
R7333	1-216-835-11	METAL CHIP	15K	5%	1/10W	R7717	1-218-935-11	RES-CHIP	33	5%	1/16W	
R7334	1-216-864-11	SHORT CHIP				R7800	1-218-953-11	RES-CHIP	1K	5%	1/16W	



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R7808	1-218-949-11	RES-CHIP	470	5%	1/16W	R9109	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7814	1-218-941-81	RES-CHIP	100	5%	1/16W	R91 10	1-216-801-11	METAL CHIP	22	5%	1/10W
R7819	1-218-941-81	RES-CHIP	100	5%	1/16W	R91 11	1-216-821-11	METAL CHIP	1K	5%	1/10W
R7821	1-218-969-11	RES-CHIP	22K	5%	1/16W	R91 17	1-216-864-11	SHORT CHIP			
R7822	1-218-969-11	RES-CHIP	22K	5%	1/16W	R9139	1-216-803-11	METAL CHIP	33	5%	1/10W
R7829	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R9146	1-216-864-11	SHORT CHIP			
R7831	1-218-989-11	RES-CHIP	1M	5%	1/16W	R9154	1-216-864-11	SHORT CHIP			
R7834	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R9159	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7836	1-218-990-81	SHORT CHIP				R9163	1-216-821-11	METAL CHIP	1K	5%	1/10W
R7838	1-218-958-11	RES-CHIP	2.7K	5%	1/16W	R9165	1-216-821-11	METAL CHIP	1K	5%	1/10W
R7839	1-208-697-11	METAL CHIP	3.9K	0.50%	1/16W	R9166	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7840	1-218-953-11	RES-CHIP	1K	5%	1/16W	R9167	1-216-821-11	METAL CHIP	1K	5%	1/10W
R7842	1-218-953-11	RES-CHIP	1K	5%	1/16W	R9169	1-216-821-11	METAL CHIP	1K	5%	1/10W
R7843	1-208-663-11	METAL CHIP	150	0.50%	1/16W	R9177	1-218-990-81	SHORT CHIP			
R7844	1-208-893-11	METAL CHIP	1.8K	0.50%	1/16W	R9178	1-218-990-81	SHORT CHIP			
R7845	1-218-965-11	RES-CHIP	10K	5%	1/16W	R9179	1-218-941-81	RES-CHIP	100	5%	1/16W
R7847	1-218-941-11	RES-CHIP	100	5%	1/16W	R9184	1-218-990-81	SHORT CHIP			
R7848	1-218-989-11	RES-CHIP	1M	5%	1/16W	R9185	1-218-990-81	SHORT CHIP			
R7849	1-208-715-11	METAL CHIP	22K	0.50%	1/16W	R9186	1-216-864-11	SHORT CHIP			
R7851	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R9187	1-216-864-11	SHORT CHIP			
R7852	1-218-978-11	RES-CHIP	120K	5%	1/16W	R9190	1-216-864-11	SHORT CHIP			
R7853	1-218-965-11	RES-CHIP	10K	5%	1/16W	R9193	1-216-864-11	SHORT CHIP			
R7868	1-208-893-11	METAL CHIP	1.8K	0.50%	1/16W	R9196	1-218-990-81	SHORT CHIP			
R7869	1-218-941-81	RES-CHIP	100	5%	1/16W	<b>RESISTOR BRIDGE</b>					
R7964	1-218-969-11	RES-CHIP	22K	5%	1/16W	RB002	1-234-106-81	RES, NETWORK 0			
R7965	1-208-928-11	METAL CHIP	51K	0.50%	1/16W	RB1001	1-234-106-81	RES, NETWORK 0			
R7967	1-218-941-81	RES-CHIP	100	5%	1/16W	RB1002	1-234-106-81	RES, NETWORK 0			
R7969	1-208-928-11	METAL CHIP	51K	0.50%	1/16W	RB1003	1-234-106-81	RES, NETWORK 0			
R7970	1-218-969-11	RES-CHIP	22K	5%	1/16W	RB1004	1-234-106-81	RES, NETWORK 0			
R7971	1-218-941-81	RES-CHIP	100	5%	1/16W	RB1005	1-234-106-81	RES, NETWORK 0			
R7972	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	RB1006	1-234-106-81	RES, NETWORK 0			
R7973	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	RB1007	1-234-106-81	RES, NETWORK 0			
R7974	1-218-941-81	RES-CHIP	100	5%	1/16W	RB1008	1-234-106-81	RES, NETWORK 0			
R7975	1-218-941-81	RES-CHIP	100	5%	1/16W	RB1009	1-234-106-81	RES, NETWORK 0			
R7976	1-208-871-81	METAL CHIP	220	0.50%	1/16W	RB1010	1-234-106-81	RES, NETWORK 0			
R7977	1-218-831-11	METAL CHIP	220	0.50%	1/10W	RB1011	1-234-106-81	RES, NETWORK 0			
R7979	1-218-831-11	METAL CHIP	220	0.50%	1/10W	RB2001	1-234-381-11	RES, NETWORK 100K (1005X4)			
R7982	1-218-827-11	METAL CHIP	150	0.50%	1/10W	RB2002	1-234-380-21	RES, NETWORK 47K (1005X4)			
R7983	1-218-831-11	METAL CHIP	220	0.50%	1/10W	RB2003	1-234-380-21	RES, NETWORK 47K (1005X4)			
R7984	1-218-831-11	METAL CHIP	220	0.50%	1/10W	RB2004	1-239-674-81	RESISTOR, NETWORK 100			
R7987	1-218-831-11	METAL CHIP	220	0.50%	1/10W	RB2005	1-234-370-21	RES, NETWORK 22 (1005X4)			
R7988	1-218-831-11	METAL CHIP	220	0.50%	1/10W	RB2006	1-234-370-21	RES, NETWORK 22 (1005X4)			
R7989	1-216-864-11	SHORT CHIP				RB3014	1-239-698-11	RESISTOR, NETWORK 10K			
R7990	1-216-864-11	SHORT CHIP				RB3015	1-239-670-81	RESISTOR, NETWORK 47			
R9008	1-216-864-11	SHORT CHIP									





REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
VD5512	1-802-417-11	SURGE ABSORBER				C6026	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
VD5514	1-802-417-11	SURGE ABSORBER				C6029	1-107-882-91	ELECT	100μF	20%	16V
VD5515	1-802-417-11	SURGE ABSORBER				C6032	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
VD5518	1-802-417-11	SURGE ABSORBER				C6035	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
VD5519	1-802-417-11	SURGE ABSORBER				C6038	1-135-361-11	ELECT(BLOCK)	180μF	20%	450V
VD5520	1-802-417-11	SURGE ABSORBER				C6039	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
VD5522	1-802-417-11	SURGE ABSORBER				C6040	1-135-361-11	ELECT(BLOCK)	180μF	20%	450V
VD5523	1-802-417-11	SURGE ABSORBER				C6041	1-107-906-11	ELECT	10μF	20%	50V
VD5524	1-802-417-11	SURGE ABSORBER				C6042	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
VD5526	1-802-417-11	SURGE ABSORBER				C6043	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
VD5527	1-802-417-11	SURGE ABSORBER				C6044	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
						C6045	1-107-903-11	ELECT	2.2μF	20%	50V
						C6046	1-107-904-11	ELECT	3.3μF	20%	50V
						C6047	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
						C6048	1-100-139-31	FILM	0.001μF	5%	630V
						C6049	1-107-905-11	ELECT	4.7μF	20%	50V
						C6050	1-107-910-11	ELECT	100μF	20%	50V
						C6051	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
						C6052	1-107-906-11	ELECT	10μF	20%	50V
						C6053	1-100-831-91	CERAMIC CHIP	0.001μF	2%	50V
						C6054	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
						C6055	1-125-889-11	CERAMIC CHIP	2.2μF	10%	10V
						C6058	1-107-910-11	ELECT	100μF	20%	50V
						C6059	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
						C6060	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
						C6061	1-127-943-51	CERAMIC	330pF	10%	250V
						C6062	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
						C6063	1-165-729-31	ELECT	470μF	20%	16V
						C6064	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V
						C6065	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
						C6066	1-107-888-11	ELECT	47μF	20%	25V
						C6067	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
						C6068	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
						C6071	1-117-768-91	CERAMIC	470pF	10%	2KV
						C6072	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
						C6073	1-100-310-11	FILM	18000pF	3%	800V
						C6074	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
						C6076	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V
						C6078	1-112-254-21	ELECT	1000μF	20%	35V
						C6079	1-112-254-21	ELECT	1000μF	20%	35V
						C6080	1-112-254-21	ELECT	1000μF	20%	35V
						C6083	1-112-242-21	ELECT	1500μF	20%	25V
						C6084	1-112-242-21	ELECT	1500μF	20%	25V
						C6093	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V
						C6094	1-127-573-11	CERAMIC CHIP	1μF	10%	16V

**CRYSTAL**

X3009	1-813-784-21	VIBRATOR, CRYSTAL			
X3010	1-767-984-21	VIBRATOR, CRYSTAL			
X7200	1-813-761-21	VIBRATOR, CRYSTAL			
X9100	1-813-546-21	QUARTZ CRYSTAL OSCILLATOR			



\* **A-1358-825-A** **G5M BOARD, MOUNTED**  
4-382-854-01 SCREW (M3X8), P, SW (+)

**CAPACITOR**

C6001	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V	
C6002	1-113-889-11	CERAMIC	0.001μF	20%	250V	
C6003	1-113-889-11	CERAMIC	0.001μF	20%	250V	
C6004	1-114-153-51	CERAMIC	680pF	10%	250V	
C6006	1-161-964-91	CERAMIC	0.0047μF		250V	
C6007	1-165-539-31	FILM	0.22μF	10%	275V	
C6009	1-165-541-11	FILM	1μF	10%	275V	
C6010	1-161-964-91	CERAMIC	0.0047μF		250V	
C601	1	1-113-889-11	CERAMIC	0.001μF	20%	250V
C6012	1-114-153-51	CERAMIC	680pF	10%	250V	
C6015	1-113-889-11	CERAMIC	0.001μF	20%	250V	
C6016	1-117-227-11	MYLAR	1μF	10%	450V	
C6017	1-117-227-11	MYLAR	1μF	10%	450V	
C6018	1-107-888-11	ELECT	47μF	20%	25V	
C6019	1-117-768-91	CERAMIC	470pF	10%	2KV	
C6020	1-117-768-91	CERAMIC	470pF	10%	2KV	
C6022	1-162-969-11	CERAMIC CHIP	0.0068μF	10%	25V	
C6023	1-107-823-11	CERAMIC CHIP	0.47μF	10%	16V	
C6024	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	
C6025	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	

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# G5M

REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
<b>CONNECTOR</b>							
CN6000	1-695-915-11	TAB (CONTACT)		D6050	6-500-555-01	DIODE	MM3Z27VT1
CN6007	1-695-915-11	TAB (CONTACT)		D6051	8-719-082-03	DIODE	MM3Z15VT1
CN6102	1-580-843-11	PIN, CONNECTOR (POWER)		D6052	8-719-081-97	DIODE	MMDL914T1
* CN6201	1-793-235-11	PIN, CONNECTOR (PC BOARD)	13P	<b>FUSE</b>			
* CN6202	1-785-703-11	PIN, CONNECTOR (PC BOARD)	6P	$\triangle$ F6000	1-576-233-51	FUSE	6.3A 250V
CN6204	1-695-915-11	TAB (CONTACT)		<b>FERRITE BEAD</b>			
<b>DIODE</b>							
D6000	6-501-817-01	DIODE	MA2J1110GLS0	FB6001	1-412-911-11	FERRITE	0 $\mu$ H
D6001	6-501-817-01	DIODE	MA2J1110GLS0	FB6002	1-412-911-11	FERRITE	0 $\mu$ H
D6002	6-501-817-01	DIODE	MA2J1110GLS0	<b>IC</b>			
D6003	8-719-054-89	DIODE	D15XB60	$\triangle$ IC6000	6-709-192-01	IC	FA5501AN-D1-TE1
D6005	6-500-020-01	DIODE	MM3Z4V3ST1	$\triangle$ IC6001	6-708-801-01	IC	MIP2H2
D6006	6-501-817-01	DIODE	MA2J1110GLS0	$\triangle$ IC6002	6-707-749-01	IC	CXD9841P
D6007	6-501-817-01	DIODE	MA2J1110GLS0	IC6003	8-759-682-42	IC	MM1431ATT
D6008	6-501-817-01	DIODE	MA2J1110GLS0	IC6004	6-709-442-01	IC	MM1530ATT
D6014	6-500-137-01	DIODE	BAT54HT1	IC6005	6-709-368-01	IC	MM1431ATT (CN)
* $\triangle$ D6015	8-719-055-38	DIODE	SF5L60	$\triangle$ IC6006	6-709-368-01	IC	MM1431ATT (CN)
D6016	6-500-108-01	DIODE	EP05FA20	<b>CHIP CONDUCTOR</b>			
D6017	6-500-108-01	DIODE	EP05FA20	JR6000	1-216-295-91	SHORT CHIP	
$\triangle$ D6019	6-501-817-01	DIODE	MA2J1110GLS0	JR6001	1-216-296-11	SHORT CHIP	
D6020	6-501-817-01	DIODE	MA2J1110GLS0	JR6002	1-216-296-11	SHORT CHIP	
D6021	6-501-817-01	DIODE	MA2J1110GLS0	JR6003	1-216-295-91	SHORT CHIP	
$\triangle$ D6022	6-501-817-01	DIODE	MA2J1110GLS0	JR6004	1-216-296-11	SHORT CHIP	
$\triangle$ D6023	8-719-081-67	DIODE	M1FM3	JR6005	1-216-296-11	SHORT CHIP	
D6024	6-501-818-01	DIODE	MA2J1130GLS0	JR6006	1-216-296-11	SHORT CHIP	
D6025	6-501-297-11	DIODE	1F6G-TA26	JR6007	1-216-296-11	SHORT CHIP	
D6026	6-500-567-31	DIODE	10ERB20-TB3	JR6008	1-216-296-11	SHORT CHIP	
D6027	6-500-567-31	DIODE	10ERB20-TB3	JR6009	1-216-296-11	SHORT CHIP	
D6028	6-500-567-31	DIODE	10ERB20-TB3	JR6010	1-216-296-11	SHORT CHIP	
D6030	6-501-817-01	DIODE	MA2J1110GLS0	JR601	1	1-216-296-11	SHORT CHIP
D6031	8-719-510-02	DIODE	D1NS4	JR6012	1-216-296-11	SHORT CHIP	
D6033	6-500-137-01	DIODE	BAT54HT1	JR6013	1-216-295-91	SHORT CHIP	
D6034	8-719-081-67	DIODE	M1FM3	JR6014	1-216-296-11	SHORT CHIP	
$\triangle$ D6035	8-719-979-64	DIODE	UF4005/23	JR6015	1-216-296-11	SHORT CHIP	
D6036	6-501-817-01	DIODE	MA2J1110GLS0	JR6020	1-216-295-91	SHORT CHIP	
D6042	6-501-917-01	DIODE	SG10SC9F5-5009F23	JR6021	1-216-295-91	SHORT CHIP	
$\triangle$ D6043	6-501-917-01	DIODE	SG10SC9F5-5009F23	<b>COIL</b>			
D6044	6-501-545-01	DIODE	SG10SC6-F5	L6000	1-456-856-11	LINE FILTER COIL	
D6045	6-500-555-01	DIODE	MM3Z27VT1	L6002	1-457-218-11	INDUCTOR	100 $\mu$ H
D6046	6-501-817-01	DIODE	MA2J1110GLS0	L6004	1-414-487-41	INDUCTOR	1 $\mu$ H
D6047	6-501-545-01	DIODE	SG10SC6-F5	L6005	1-414-487-41	INDUCTOR	1 $\mu$ H
D6048	6-501-545-01	DIODE	SG10SC6-F5	L6007	1-414-183-41	INDUCTOR	10 $\mu$ H



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# G5M

REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
L6008	1-457-239-11	INDUCTOR	4.7 $\mu$ H	R6006	1-218-911-11	METAL CHIP	470K 0.50% 1/10W
L6009	1-457-239-11	INDUCTOR	4.7 $\mu$ H	R6007	1-218-887-11	METAL CHIP	47K 0.50% 1/10W
<b>PHOTO COUPLER</b>				R6008	1-218-760-11	METAL CHIP	220K 0.50% 1/10W
PH6000	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	R6009	1-218-760-11	METAL CHIP	220K 0.50% 1/10W
PH6001	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	$\triangle$ R6016	1-240-251-11	METAL	6.8 5% 10W
PH6002	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	$\triangle$ R6021	1-218-913-91	METAL CHIP	560K 0.50% 1/10W
PH6003	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	R6023	1-216-864-11	SHORT CHIP	
$\triangle$ PH6004	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	$\triangle$ R6024	1-218-879-11	METAL CHIP	22K 0.50% 1/10W
<b>IC LINK</b>				R6026	1-218-823-11	METAL CHIP	100 0.50% 1/10W
$\triangle$ PS6000	1-533-597-41	IC LINK	5A 90V	$\triangle$ R6027	1-215-882-00	METAL OXIDE	22 5% 2W
$\triangle$ PS6001	1-533-597-41	IC LINK	5A 90V	$\triangle$ R6028	1-247-752-11	CARBON	1K 5% 1/2W
$\triangle$ PS6002	1-533-597-41	IC LINK	5A 90V	R6029	1-216-833-11	METAL CHIP	10K 5% 1/10W
$\triangle$ PS6003	1-533-597-41	IC LINK	5A 90V	R6030	1-216-295-91	SHORT CHIP	
$\triangle$ PS6004	1-533-597-41	IC LINK	5A 90V	R6031	1-219-729-11	METAL	0.33 10% 5W
$\triangle$ PS6005	1-533-597-41	IC LINK	5A 90V	R6032	1-218-823-11	METAL CHIP	100 0.50% 1/10W
<b>TRANSISTOR</b>				R6033	1-216-864-11	SHORT CHIP	
$\triangle$ Q6000	8-729-045-62	TRANSISTOR	2SK2158-T2B	$\triangle$ R6034	1-219-729-11	METAL	0.33 10% 5W
$\triangle$ Q6001	6-551-403-01	TRANSISTOR	2SK3797(LBS1SONY.	R6035	1-218-835-11	METAL CHIP	330 0.50% 1/10W
$\triangle$ Q6002	6-551-403-01	TRANSISTOR	2SK3797(LBS1SONY.	$\triangle$ R6036	1-211-989-11	METAL CHIP	68 0.50% 1/10W
$\triangle$ Q6003	8-729-820-90	TRANSISTOR	2SD1621-ST	R6037	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q6004	8-729-804-41	TRANSISTOR	2SB1122-S	R6038	1-216-837-11	METAL CHIP	22K 5% 1/10W
Q6005	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	R6039	1-216-821-11	METAL CHIP	1K 5% 1/10W
$\triangle$ Q6006	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LF	R6042	1-216-837-11	METAL CHIP	22K 5% 1/10W
Q6007	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LF	R6043	1-216-833-11	METAL CHIP	10K 5% 1/10W
$\triangle$ Q6008	8-729-804-41	TRANSISTOR	2SB1122-S	R6044	1-216-837-11	METAL CHIP	22K 5% 1/10W
Q6009	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LF	R6045	1-249-389-11	CARBON	4.7 5% 1/4W
$\triangle$ Q6010	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	R6046	1-249-389-11	CARBON	4.7 5% 1/4W
$\triangle$ Q6011	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LF	R6047	1-249-405-11	CARBON	100 5% 1/4W
$\triangle$ Q6012	8-729-045-62	TRANSISTOR	2SK2158-T2B	R6048	1-208-814-91	METAL CHIP	22K 0.50% 1/10W
$\triangle$ Q6013	6-551-297-01	TRANSISTOR	2SK3568(LBS1SONY.Q	R6049	1-218-830-11	METAL CHIP	200 0.50% 1/10W
$\triangle$ Q6014	6-551-297-01	TRANSISTOR	2SK3568(LBS1SONY.Q	R6050	1-218-830-11	METAL CHIP	200 0.50% 1/10W
$\triangle$ Q6015	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R6051	1-218-830-11	METAL CHIP	200 0.50% 1/10W
Q6016	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF	R6052	1-218-830-11	METAL CHIP	200 0.50% 1/10W
Q6017	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LF	R6055	1-208-818-11	METAL CHIP	33K 0.50% 1/10W
<b>RESISTOR</b>				R6056	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6001	1-216-857-11	METAL CHIP	1M 5% 1/10W	R6057	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6002	1-218-760-11	METAL CHIP	220K 0.50% 1/10W	R6058	1-218-907-11	METAL CHIP	330K 0.50% 1/10W
R6003	1-218-760-11	METAL CHIP	220K 0.50% 1/10W	R6059	1-218-879-11	METAL CHIP	22K 0.50% 1/10W
R6004	1-208-830-11	METAL CHIP	100K 0.50% 1/10W	R6060	1-218-895-11	METAL CHIP	100K 0.50% 1/10W
R6005	1-208-846-11	METAL CHIP	470K 0.50% 1/10W	R6061	1-216-809-11	METAL CHIP	100 5% 1/10W
				R6062	1-249-393-11	CARBON	10 5% 1/4W
				R6063	1-208-848-11	METAL CHIP	560K 0.50% 1/10W
				R6064	1-208-848-11	METAL CHIP	560K 0.50% 1/10W
				R6065	1-208-848-11	METAL CHIP	560K 0.50% 1/10W
				R6066	1-208-846-11	METAL CHIP	470K 0.50% 1/10W

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# G5M

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES			
R6067	1-208-844-11	METAL CHIP	390K	0.50%	1/10W	R61	15	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6068	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R61	16	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6069	1-218-851-11	METAL CHIP	1.5K	0.50%	1/10W	R61	17	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R6070	1-216-845-11	METAL CHIP	100K	5%	1/10W	R61	18	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R6071	1-216-837-11	METAL CHIP	22K	5%	1/10W	R61	19	1-218-903-11	METAL CHIP	220K	0.50%	1/10W
R6072	1-216-833-11	METAL CHIP	10K	5%	1/10W	$\triangle$ R6120	1-216-361-00	METAL OXIDE	0.22	5%	2W	
$\triangle$ R6073	1-212-958-00	FUSIBLE	10	5%	1/2W	$\triangle$ R6121	1-216-361-00	METAL OXIDE	0.22	5%	2W	
$\triangle$ R6074	1-202-933-61	FUSIBLE	0.1	10%	1/2W	R6122	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	
R6075	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R6124	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R6076	1-218-823-11	METAL CHIP	100	0.50%	1/10W	R6125	1-218-847-11	METAL CHIP	1K	0.50%	1/10W	
R6077	1-218-873-11	METAL CHIP	12K	0.50%	1/10W	R6126	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R6079	1-249-385-11	CARBON	2.2	5%	1/4W	R6127	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R6080	1-208-854-11	METAL CHIP	1M	0.50%	1/10W	R6128	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R6081	1-208-854-11	METAL CHIP	1M	0.50%	1/10W	R6129	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R6082	1-208-854-11	METAL CHIP	1M	0.50%	1/10W	R6130	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R6083	1-208-854-11	METAL CHIP	1M	0.50%	1/10W	R6132	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R6084	1-218-761-11	METAL CHIP	240K	0.50%	1/10W	R6133	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R6085	1-218-881-11	METAL CHIP	27K	0.50%	1/10W	R6134	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	
R6086	1-243-725-71	METAL OXIDE	100K	5%	1W	R6136	1-218-859-11	METAL CHIP	3.3K	0.50%	1/10W	
R6088	1-218-865-11	METAL CHIP	5.6K	0.50%	1/10W	R6137	1-218-865-11	METAL CHIP	5.6K	0.50%	1/10W	
R6089	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6138	1-218-847-11	METAL CHIP	1K	0.50%	1/10W	
R6090	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R6139	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R6091	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6140	1-216-073-91	RES-CHIP	10K	5%	1/10W	
$\triangle$ R6092	1-249-385-11	CARBON	2.2	5%	1/4W	R6141	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R6093	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6143	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R6094	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R6144	1-249-385-11	CARBON	2.2	5%	1/4W	
R6095	1-216-833-11	METAL CHIP	10K	5%	1/10W	$\triangle$ R6146	1-247-289-00	METAL	8.2M	5%	1W	
R6096	1-211-985-11	METAL CHIP	47	0.50%	1/10W	R6147	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R6098	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6148	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R6099	1-218-903-11	METAL CHIP	220K	0.50%	1/10W	R6149	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R6100	1-218-859-11	METAL CHIP	3.3K	0.50%	1/10W	R6151	1-216-847-11	METAL CHIP	150K	5%	1/10W	
R6101	1-218-885-11	METAL CHIP	39K	0.50%	1/10W	<b><u>RELAY</u></b>						
R6102	1-216-833-11	METAL CHIP	10K	5%	1/10W	R	Y6000	1-755-579-11	RELAY, POWER			
R6103	1-216-821-11	METAL CHIP	1K	5%	1/10W	<b><u>TRANSFORMER</u></b>						
R6104	1-216-857-11	METAL CHIP	1M	5%	1/10W	T6000	1-443-984-11	CONVERTER TRANSFORMER (SBT)				
R6105	1-216-821-11	METAL CHIP	1K	5%	1/10W	<b><u>VARISTOR</u></b>						
R6106	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	VD6000	1-804-996-21	VARISTOR				
R6107	1-216-821-11	METAL CHIP	1K	5%	1/10W	VD6001	1-804-996-21	VARISTOR				
R6108	1-216-833-11	METAL CHIP	10K	5%	1/10W							
R6109	1-216-009-91	RES-CHIP	22	5%	1/10W							
R61	10	1-216-009-91	RES-CHIP	22	5%	1/10W						
R61	11	1-218-887-11	METAL CHIP	47K	0.50%	1/10W						
R61	12	1-216-805-11	METAL CHIP	47	5%	1/10W						
R61	13	1-218-847-11	METAL CHIP	1K	0.50%	1/10W						
R61	14	1-218-879-11	METAL CHIP	22K	0.50%	1/10W						

# HM1 HM3 UM

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
<b>HM1</b>											
*	A-1268-471-A	HM1 BOARD, MOUNTED									
		<u>CONNECTOR</u>									
* CN101	1-820-180-11	HEADER ASSEMBLY (PRINT PWB)									
		<u>RESISTOR</u>									
R101	1-218-827-11	METAL CHIP	150	0.50%	1/10W						
R102	1-218-831-11	METAL CHIP	220	0.50%	1/10W						
R103	1-218-835-11	METAL CHIP	330	0.50%	1/10W						
R104	1-218-841-11	METAL CHIP	560	0.50%	1/10W						
R105	1-218-848-11	METAL CHIP	1.1K	0.50%	1/10W						
R107	1-216-864-11	SHORT CHIP									
		<u>SWITCH</u>									
S101	1-572-595-11	SWITCH, TACTILE									
S102	1-572-595-11	SWITCH, TACTILE									
S103	1-572-595-11	SWITCH, TACTILE									
S104	1-572-595-11	SWITCH, TACTILE									
S105	1-572-595-11	SWITCH, TACTILE									
S106	1-572-595-11	SWITCH, TACTILE									
S107	1-572-595-11	SWITCH, TACTILE									
<b>HM3</b>											
*	A-1268-472-A	HM3 BOARD, MOUNTED									
		<u>CAPACITOR</u>									
C320	1-112-781-11	CERAMIC CHIP	1µF	10%	10V						
C322	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V						
C323	1-126-205-11	ELECT CHIP	47µF	20%	6.3V						
C401	1-162-960-11	CERAMIC CHIP	220pF	10%	50V						
C402	1-100-909-11	CERAMIC CHIP	10µF	10%	6.3V						
		<u>CONNECTOR</u>									
* CN301	1-820-287-11	HEADER ASSEMBLY (PRINT PWB)									
		<u>DIODE</u>									
D305	8-719-085-26	DIODE	CL-165HR/SYG-D-T								
D308	8-719-053-07	DIODE	SML-310MTT86								
		<u>IC</u>									
IC320	6-600-447-01	IC	TPS853(SONY)								
IC401	6-600-502-01	HIC	GP1UE26RK0VF								
<b>UM</b>											
*	A-1268-473-A	UM BOARD, MOUNTED									
		<u>CAPACITOR</u>									
C203	1-216-864-11	SHORT CHIP									
C206	1-100-912-11	CERAMIC CHIP	1µF	10%	25V						
C209	1-100-912-11	CERAMIC CHIP	1µF	10%	25V						
C215	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V						
		<u>CONNECTOR</u>									
* CN201	1-819-928-11	HEADER ASSEMBLY	20P								
CN202	1-695-915-11	TAB (CONTACT)									
		<u>DIODE</u>									
D204	6-501-758-01	DIODE	MAZ8100G0LS0								
		<u>JACK</u>									
J201	1-819-356-21	PHONO JACK	3P								
J202	1-815-325-11	JACK									
		<u>RESISTOR</u>									
R21	1	1-216-864-11	SHORT CHIP								
R212	1-216-857-11	METAL CHIP	1M	5%	1/10W						
R213	1-216-825-11	METAL CHIP	2.2K	5%	1/10W						
R215	1-216-857-11	METAL CHIP	1M	5%	1/10W						
R216	1-216-825-11	METAL CHIP	2.2K	5%	1/10W						






REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
R218	1-216-864-11	SHORT CHIP			<b><u>MISCELLANEOUS</u></b>		
R219	1-216-864-11	SHORT CHIP			2-595-155-02	CLAMP	
R220	1-216-864-11	SHORT CHIP			1-469-089-11	FILTER, CLAMP (FERRITE CORE)	SPK CABLE
				*	1-400-052-11	FILTER, CLAMP (FERRITE CORE)	VIDEO2 CABLE
		<b><u>VARISTOR</u></b>			<b><u>REMOTE COMMANDER</u></b>		
VD201	1-804-988-21	VARISTOR, CHIP	(1608)		1-480-266-11	REMOTE COMMANDER (RM-YD021)	
VD202	1-804-988-21	VARISTOR, CHIP	(1608)		9-885-099-05	BATTERY COVER (for RM-YD021)	
VD203	1-804-988-21	VARISTOR, CHIP	(1608)				
VD204	1-804-988-21	VARISTOR, CHIP	(1608)				
VD205	1-804-988-21	VARISTOR, CHIP	(1608)				
		<b><u>ACCESSORIES AND PACKING</u></b>					
	X-2186-601-1	BAG ASSY, RUDDER LOCK (Contains the 3 items listed below)					
	X-2186-603-1	LOCK ASSY, RUDDER					
	2-593-320-02	SCREW, CION (M6X18)					
	2-580-663-01	SCREW, WOOD 3.8X20					
*	2-678-265-01	BAG, PROTECTION					
*	3-213-717-01	BAG, PROTECTION (STAND)					
*	3-268-041-01	CARTON, INDIVIDUAL					
*	3-268-040-01	CUSHION, LOWER					
*	3-268-039-01	CUSHION, UPPER					
	3-213-438-11	GUIDE, QUICK SETUP (ENGLISH VERSION)					
	3-213-438-21	GUIDE, QUICK SETUP (FRENCH VERSION)					
	3-213-438-31	GUIDE, QUICK SETUP (SPANISH VERSION)					
	3-213-437-13	MANUAL, INSTRUCTION (ENGLISH VERSION)					
	3-213-437-22	MANUAL, INSTRUCTION (FRENCH VERSION)					
	3-213-437-33	MANUAL, INSTRUCTION (SPANISH VERSION)					

## 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 the Circuit Board(s) 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**.

*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](mailto:Service_Promotion@am.sony.com).*