

HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

SERVICE MANUAL

WAX2 CHASSIS

<u>MODEL NAME</u>	<u>REMOTE COMMANDER</u>	<u>DESTINATION</u>
KDL-26S2000	RM-YD005	CANADA
KDL-26S2000	RM-YD005	US
KDL-32S2000	RM-YD005	CANADA
KDL-32S2000	RM-YD005	US
KDL-40S2000	RM-YD005	CANADA
KDL-40S2000	RM-YD005	US

ORIGINAL MANUAL ISSUE DATE: 2/2006

 :UPDATED ITEM

REVISION DATE

SUBJECT

2/2006
3/2006

No revisions or updates are applicable at this time.
Updated PN for Rear Cover Screw for 26" Model, Replaced Pg. 12 with Pg. 12
Updated PN for Rear Cover Screw for 26" Model, Replaced Pg. 52 with Pg. 52
Updated PN for Button Cover, Replaced Pg. 75 with Pg. 75
Updated PN for Instruction Manuals and Quick Setup Guide, Replaced Pg. 78 with Pg. 78

LCD DIGITAL COLOR TELEVISION

SONY®

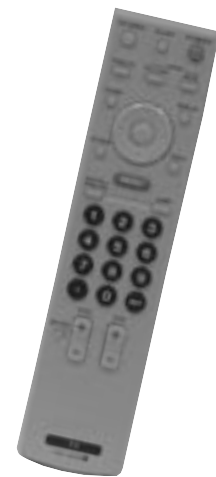
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KDL-40S2000	RM-YD005	CANADA
KDL-40S2000	RM-YD005	US



KDL-26S2000



RM-YD005

LCD DIGITAL COLOR TELEVISION

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SPECIFICATIONS

Power Requirements 120V-240V AC, 50/60Hz

Power Consumption (W)

In Use (Max) 120W (KDL-26S2000 Only)
150W (KDL-32S2000 Only)
200W (KDL-40S2000 Only)

In Standby Less than 0.1W

Video (IN) 1/2/3

S Video (4-Pin Mini DIN (VIDEO 1/2 Only))

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

Video

1.0 Vp-p, 75ohms unbalanced, sync negative

Audio

500 mVrms (100% modulation)
Impedance:47 kilohms

HD/DVD IN 4

Y_P P_R (Component Video)

Y:1.0 Vp-p, 75 ohms unbalanced, sync negative
P_B:0.7 Vp-p, 75 ohms
P_R:0.7 Vp-p, 75 ohms
Signal format: 480i, 480p, 720p, 1080i

AUDIO

500 mVrms (100% modulation)
Impedance: 47 kilohms

HDMI IN 6:

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 1 Vrms at the maximum volume setting (Variable)
More than 500 mVrms (Fixed)

PC IN 7:

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

PC AUDIO INPUT:

Stereo mini jack, 0.5 Vrms, 1 kilohm

Headphones:

Stereo mini jack
Impedance: 16 ohms

Speaker:

Full range: 4.2 × 15 cm (1^{11/16} × 6 inches) (2) (KDL-26S2000)
Full range: 4.2 × 15 cm (1^{11/16} × 6 inches) (2) (KDL-32S2000)
Full range: 5.5 × 15 cm (2^{1/4} × 6 inches) (2) (KDL-40S2000)

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Design and specifications are subject to change without notice.

	KDL-26S2000	KDL-32S2000	KDL-40S2000
Speaker Output (W)	10W + 10W		
Dimensions (W x H x D) with stand			
mm	658 x 516 x 219 mm	792 x 593 x 219 mm	988 x 716 x 334 mm
in	26 x 20 ^{3/8} x 8 ^{5/8} in	31 ^{1/4} x 21 ^{3/8} x 8 ^{5/8} in	39 x 28 ^{1/4} x 13 ^{1/4} in
Dimensions (W x H x D) without stand			
mm	658 x 470 x 94 mm	792 x 546 x 99 mm	988 x 664 x 103 mm
in	26 x 18 ^{5/8} x 3 ^{3/4} in	31 ^{1/4} x 21 ^{1/2} x 4 in	39 x 26 ^{1/4} x 4 ^{1/8} in
Mass with stand			
kg	13 kg	17 kg	27 kg
lbs	28 lbs 10 oz	37 lbs 7 oz	59 lbs 8 oz
without stand			
kg	11 kg	15 kg	21 kg
lbs	24 lbs 4 oz	33 lbs	46 lbs 3 oz

Television system

American TV Standard

Channel coverage

VHF: 2-13/UHF: 14-69/ Cable TV: 1-125

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)

26 inches (KDL-26S2000 Only)

32 inches (KDL-32S2000 Only)

40 inches (KDL-40S2000 Only)

Supplied Accessories

Remote Commander RM-YD005

Two Size AA (R6) Batteries

75-ohm coaxial cable

AC Power Cord

HD15-HD15 Cable

Support Belt, Securing Screw, and Wood Screw

Cable Holder

Operating Instructions

Quick Setup Guide

Warranty Card

Optional Accessories

Headphones Plug Adaptor

Connecting Cables

Wall-Mount Bracket

SU-WL31 (KDL-26S2000/32S2000 Only)

SU-WL51 (KDL-40S2000 Only)

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.

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.

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

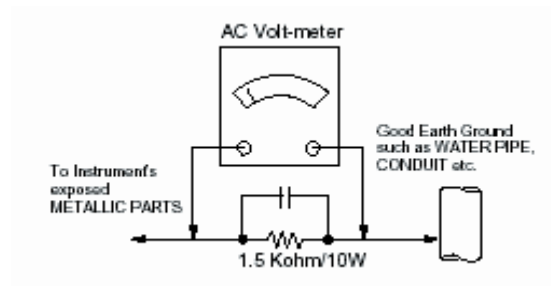
When repairing the LCD panel, be sure you are grounded by using a wrist band.

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:

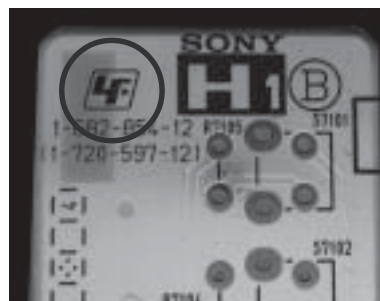
- do not press on the panel or frame edge to avoid the risk of electric shock.
- do not scratch or press on the panel with any sharp objects.
- do not leave the module in high temperatures or in areas of high humidity for an extended period of time.
- do not expose the LCD panel to direct sunlight.
- 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.

Leakage Test

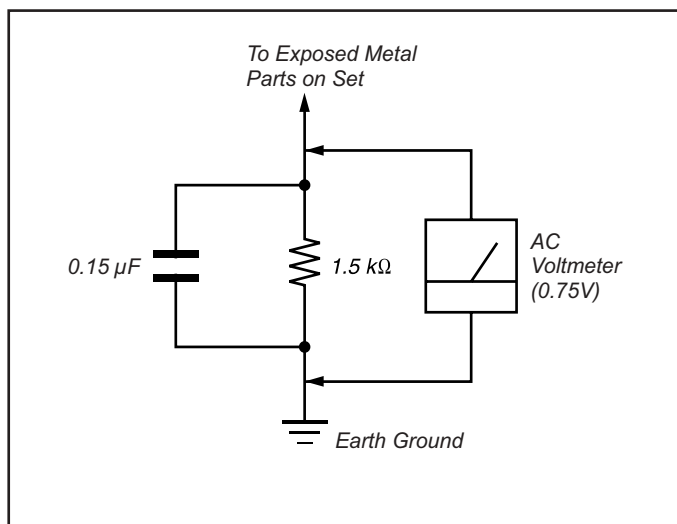


Figure A. Using an AC voltmeter to check AC leakage.

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

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

How to Find a Good Earth Ground

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

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

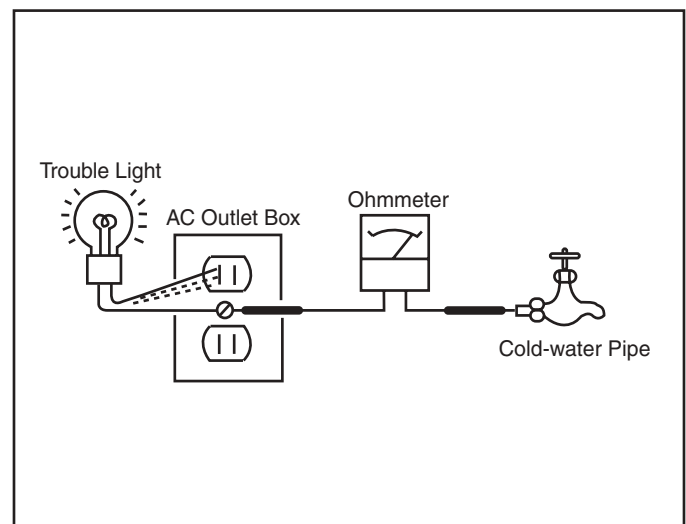
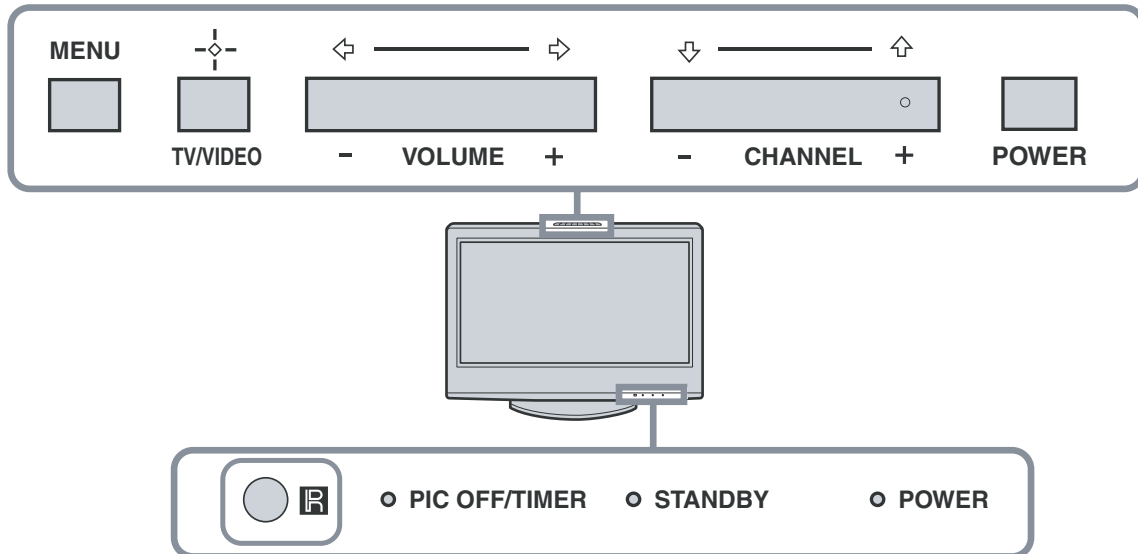


Figure B. Checking for earth ground.

SELF-DIAGNOSTIC FUNCTION

Self Diagnosis
Supported model

Control Buttons



Description of LED Indicators

LED	LED Type	Description
POWER LED	Red/Green LED	* Light is green when the TV set is on * Functions as failure indicator * Blinks green in aging mode
TIMER LED	Red LED	Lights when timer is set
PIC OFF LED	Green LED	Lights when power saving setting is set to picture off (See Instruction Manual)

LED Control

STATUS	POWER LED	TIMER LED/ PICTURE OFF LED	STANDBY LED	REMARKS
Power Off	Off	Off	Off	Power off using the power switch or remote control. NOTE: Standby state does not exist in this model; however, the microcomputer does enter into sleep mode.
Power Off	Lights Green	Off	Off	Microcomputer working normally.
Failure	Blinks Red	Off	Off	Failure causes are classified by the number of time the red light blinks.
Aging	Blinks Green	Off	Off	Aging mode is classified by a blinking green light.
Picture Off	Lights Green	Lights Green	Off	No display (black screen).
SLEEP TIMER	Lights Green	Lights Orange	Off	When SLEEP TIMER is set during power on.
	Lights Green	Lights Green	Off	When SLEEP TIMER is set in Picture Off mode.
ON TIMER	Off	Lights Orange	Off	When ON TIMER is set and power is off.
	Lights Green	Lights Orange	Off	When ON TIMER is set and power is on.
	Lights Green	Lights Green	Off	When ON TIMER is set in Picture Off mode.
PC STANDBY	Off	Off	Lights Red	
PC STANDBY/ TIMER ON	Off	Lights Orange	Lights Red	

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

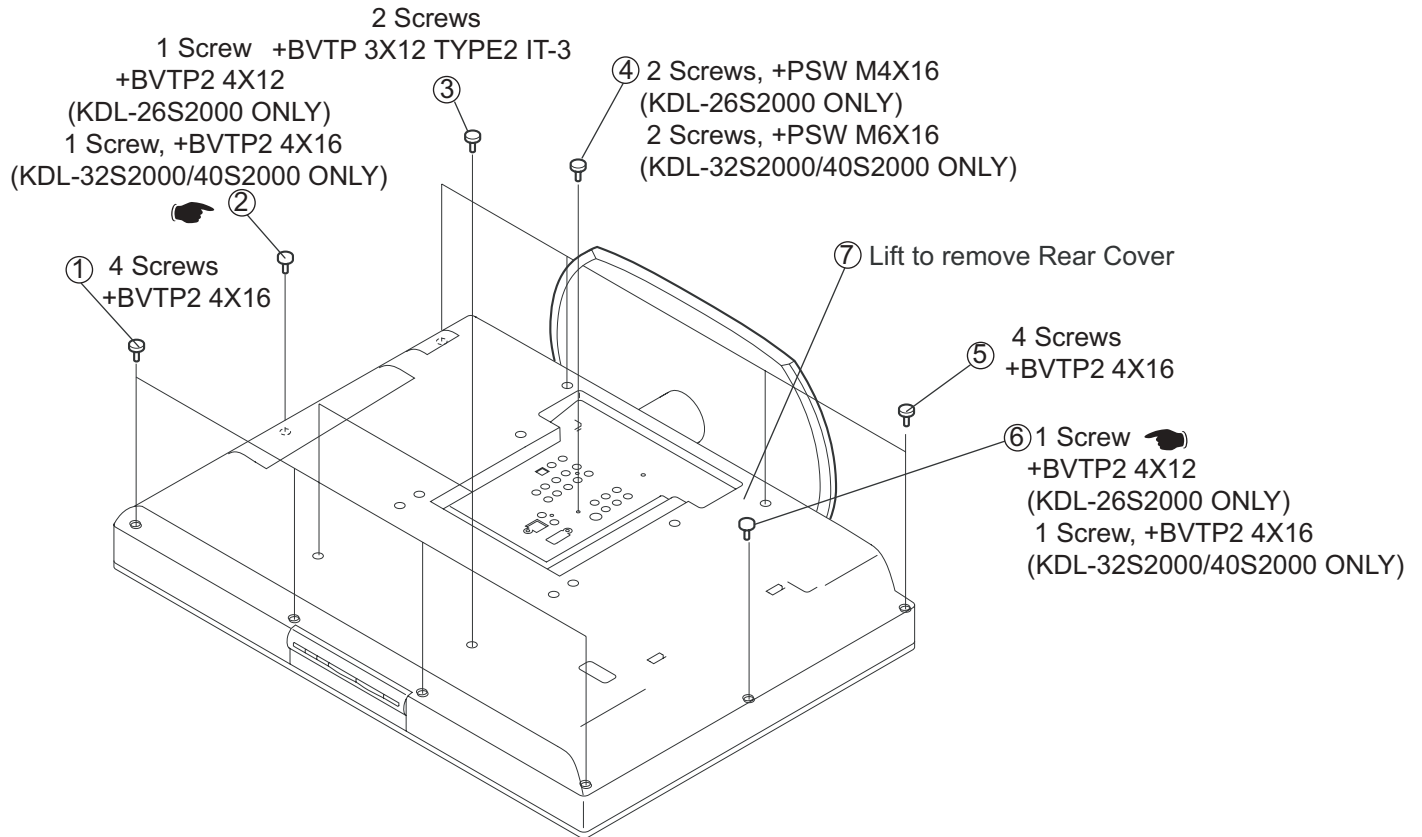
Diagnostic Test Indicators

When an error occurs, the POWER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas. If the errors occur simultaneously, the one that corresponds to the fewest flashes is identified first. Results for all of the following diagnostic items are displayed on screen. No error has occurred if the screen displays a "0".

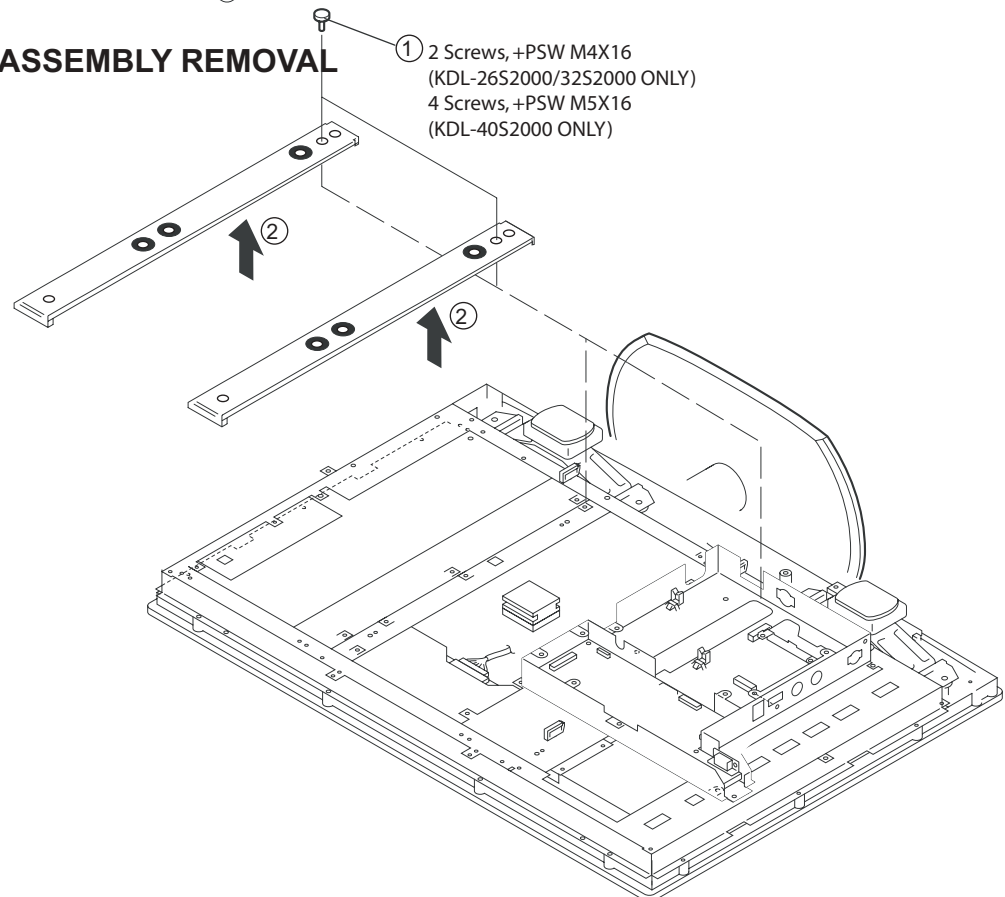
Number of Times POWER LED Blinks	Monitoring Item
1 Time	Abnormal AU Power Voltage (DCALERT 3)
2 Times	Abnormal D5V/A9V Power Voltage (DCALERT 2)
3 Times	Abnormal Panel Voltage (DCALERT 1)
4 Times	Backlight Failure
5 Times	Abnormal Main Power Voltage
6 Times	Abnormal Speaker Voltage
7 Times	Internal Temperature Rise (mainly on the panel side)
8 Times	IC5000

SECTION 1: DISASSEMBLY

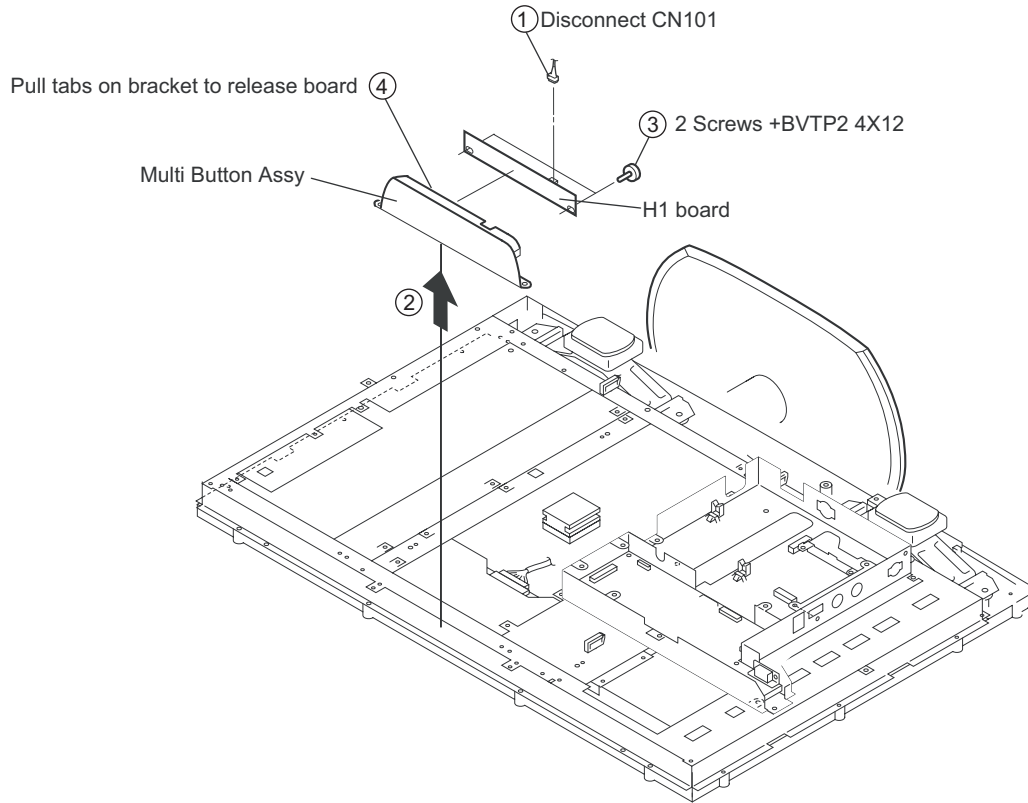
1-1. REAR COVER REMOVAL



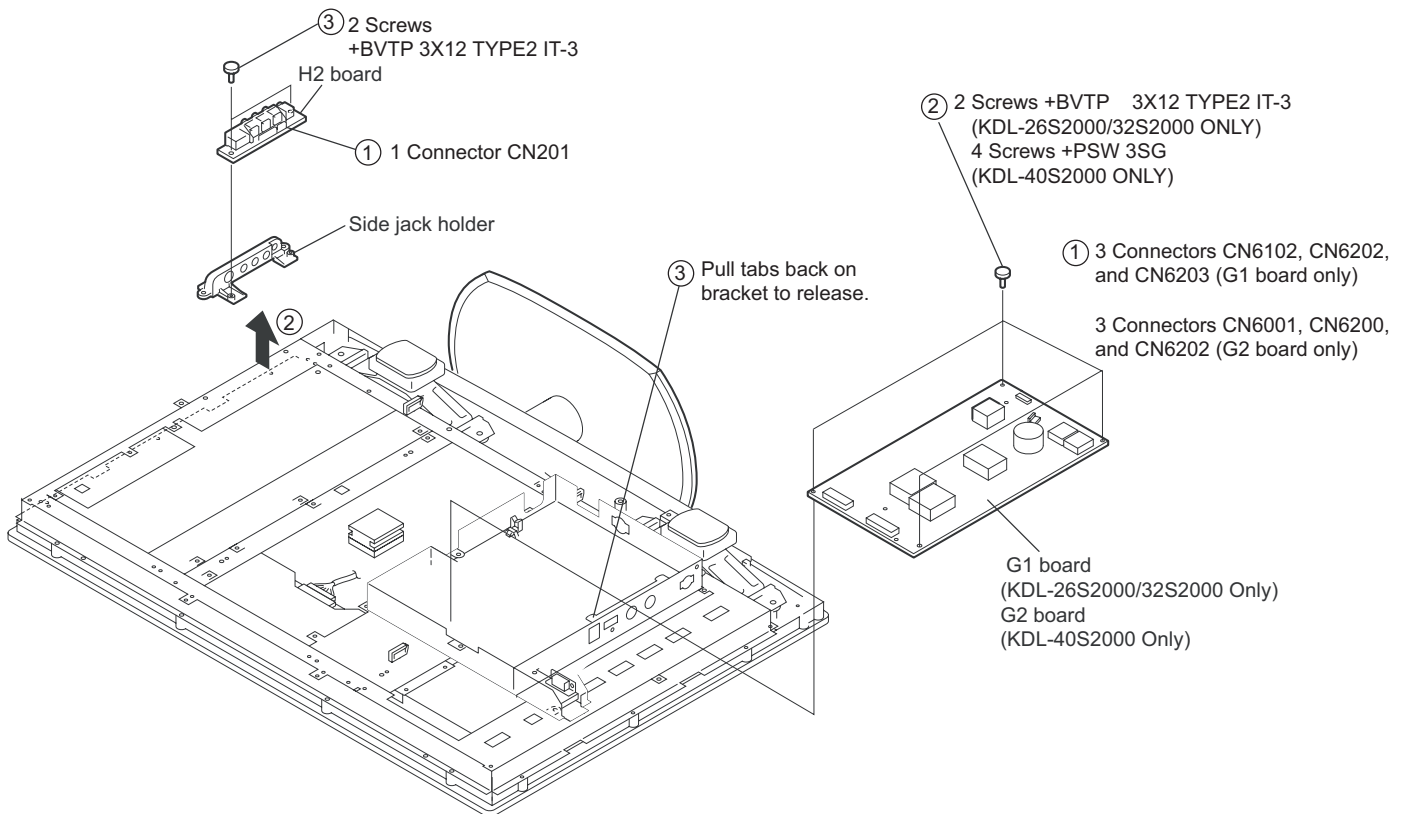
1-2. VESA BRACKET ASSEMBLY REMOVAL



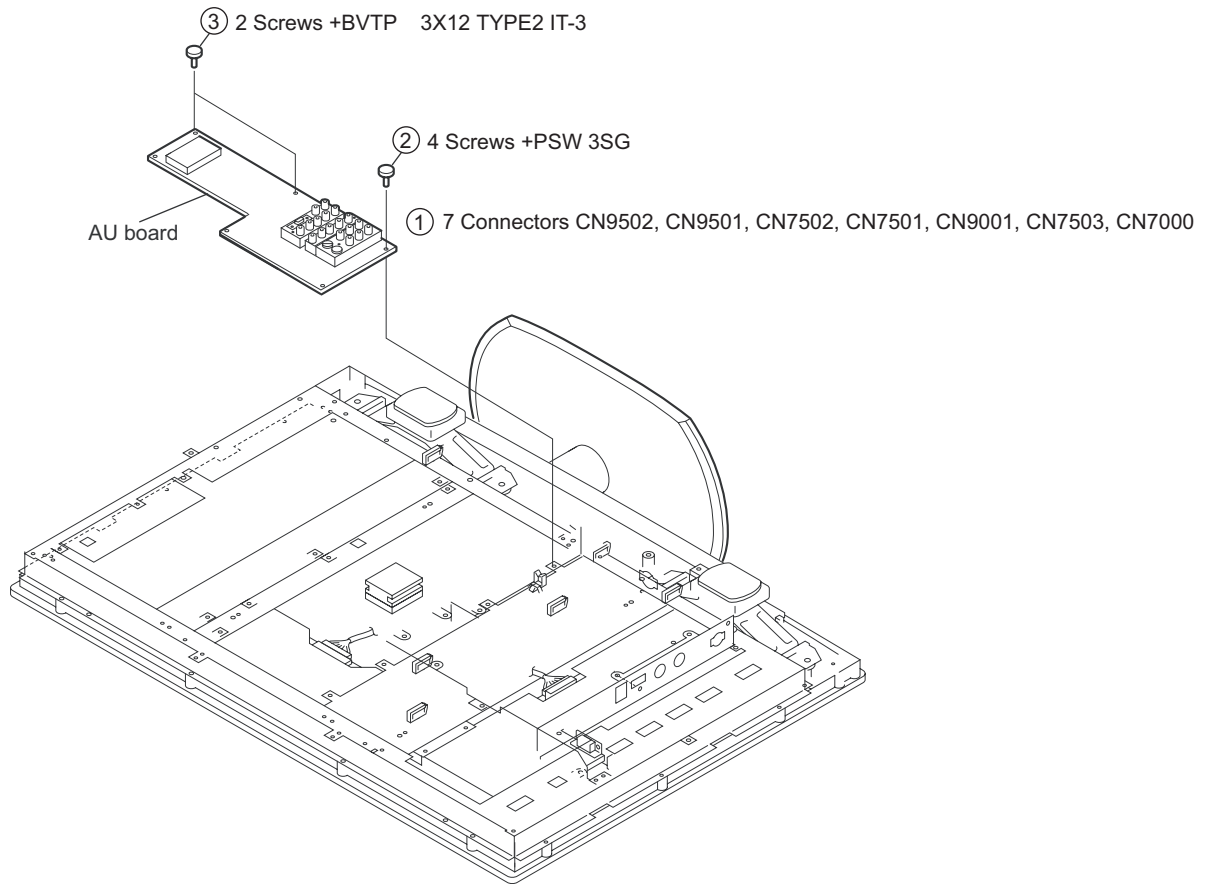
1-3. H1 BOARD REMOVAL



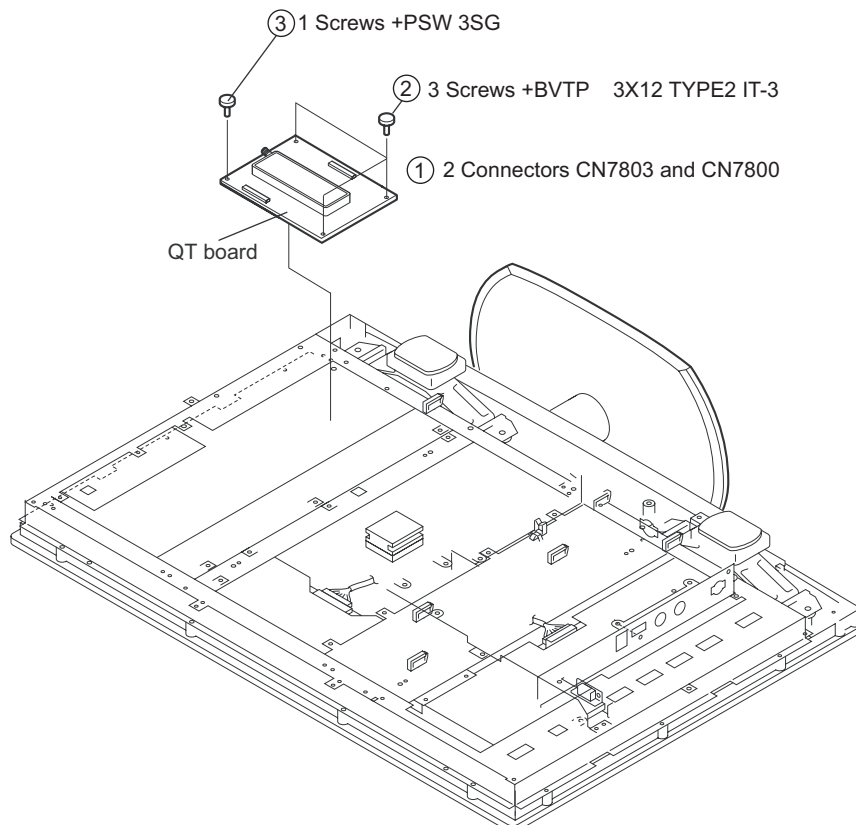
1-4. G1 BOARD (G2 BOARD) AND H2 BOARD REMOVAL



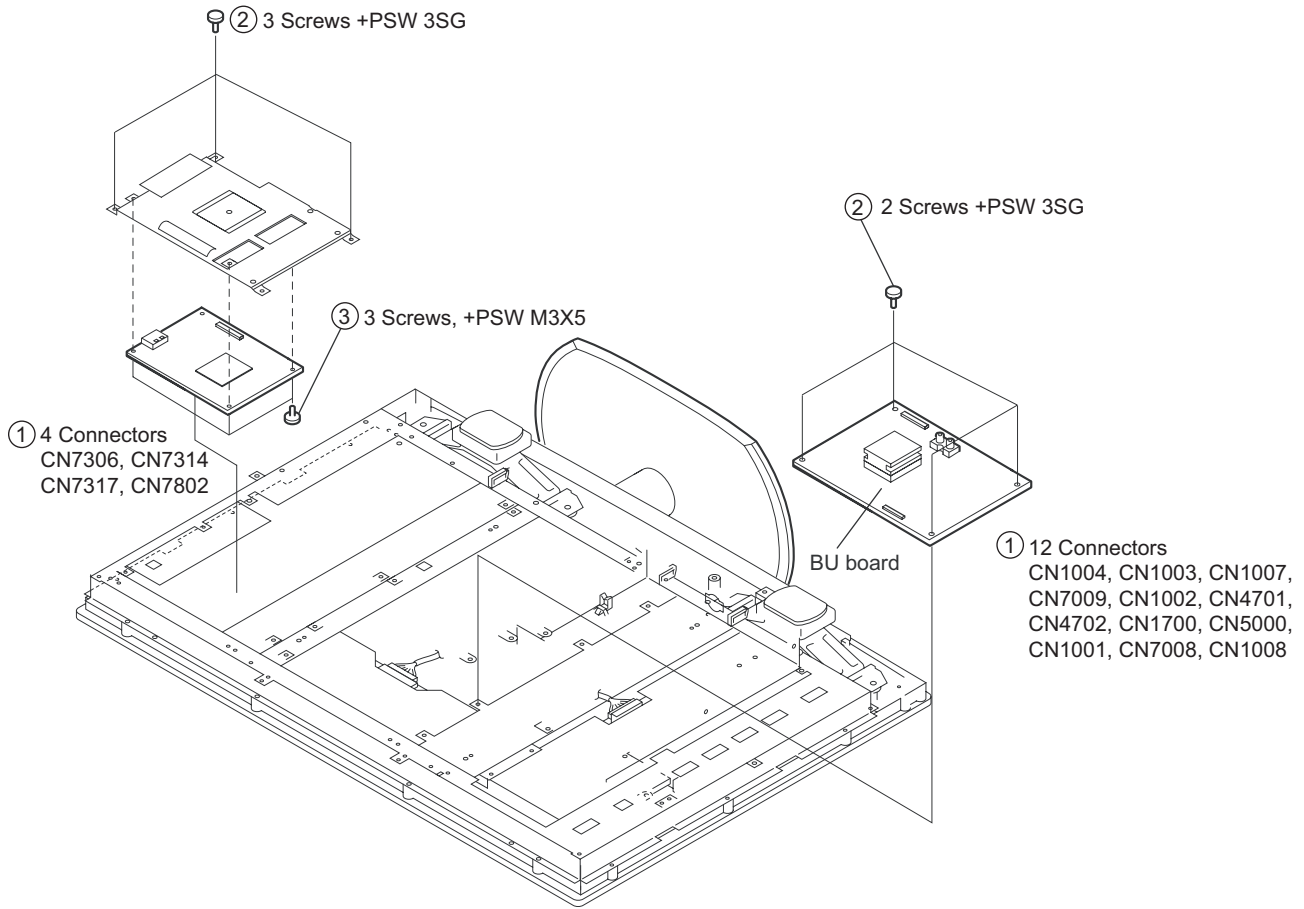
1-5. AU BOARD REMOVAL



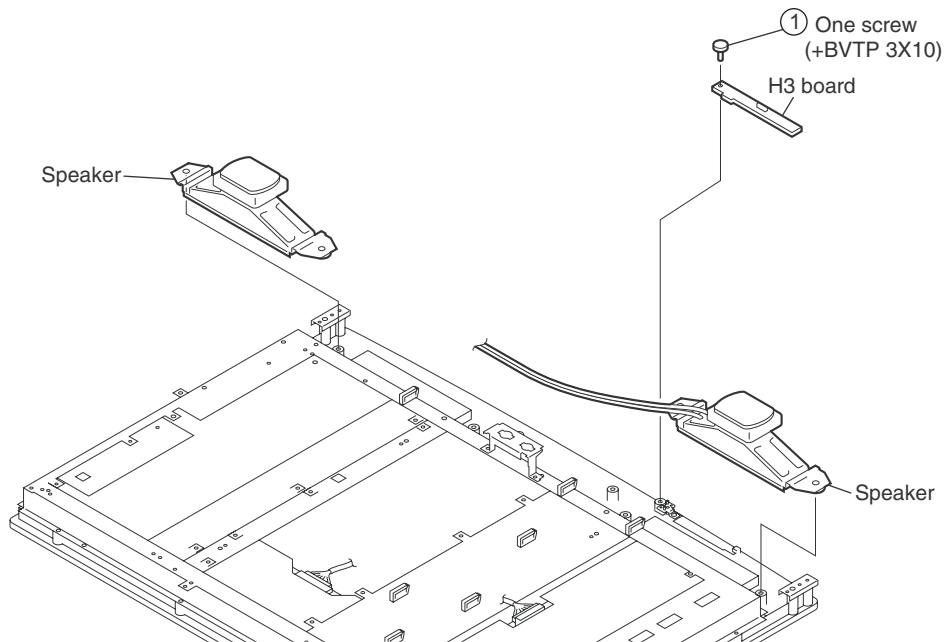
1-6. QT BOARD REMOVAL



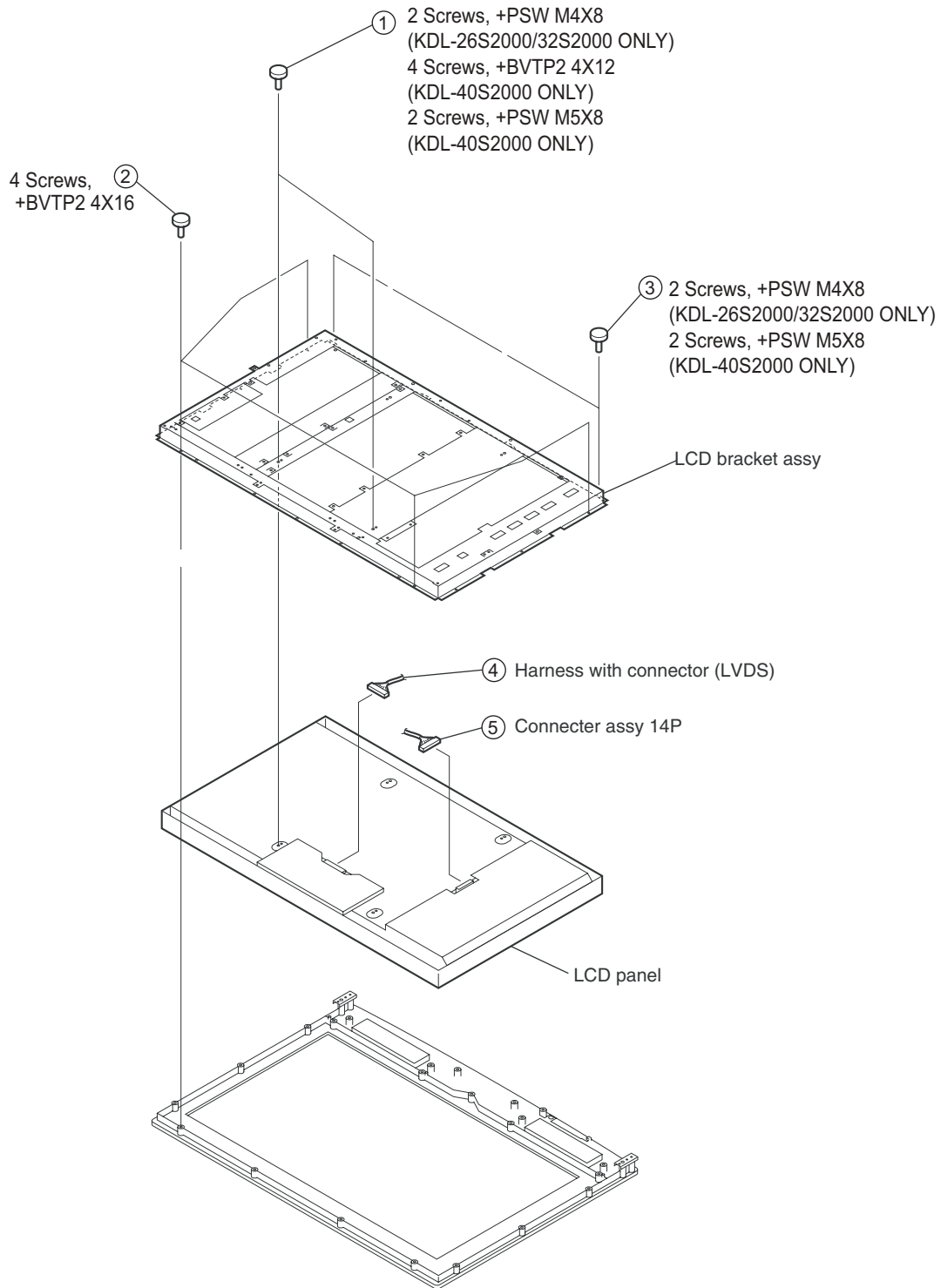
1-7. QS BOARD AND BU BOARD REMOVAL



1-8. H3 BOARD AND SPEAKER REMOVAL

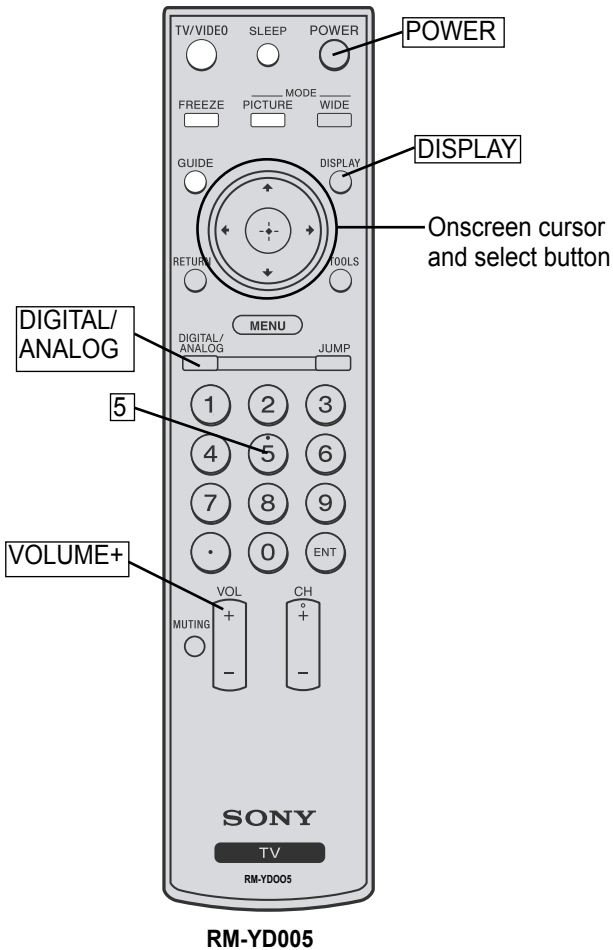


1-9. LCD PANEL REMOVAL



SECTION 2: SERVICE ADJUSTMENTS

2-1. REMOTE ADJUSTMENT BUTTONS AND INDICATORS



2-2. ACCESSING SERVICE ADJUSTMENTS

To adjust various set features, use the Remote Commander to put the set into service mode to display the service menus. The Remote Commander displays the service menu associated with the Digital or Analog format depending on which format is on the TV when you enter service mode.

2-2-1. ACCESSING THE DIGITAL SERVICE ADJUSTMENT MENUS

1. Turn the TV on and view a Digital channel.
2. Put the TV in standby mode. (Power off).
3. Press the following buttons on the Remote Commander within a second:

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

The Digital service menu displays.

Video 1	
MAIN VER.	1009
H PACK VER.	1008
S PACK VER.	1008
CHECK SUM	E20E
NVM VER.	1006
ATI VER.	01.06
ATI UD NVM VER.	02
ATI SD NVM VER.	02
ETI	46h 39m

4. Use the ↓ button to view the next category listing the white balance adjustment items.

Video 1	
R_DRIVE	256
B_DRIVE	256
R_BKG	512
G_BKG	512
B_BKG	512
COLOR SAVE	

5. Use the ↓ or ↑ button to select the item you want to adjust.
 - a. To increase the data value of the category, press the ↑ button.
 - b. To decrease the data value of the category, press the ↓ button.
6. To save the data value changes, press the ↓ button to select Color Save and then press the ⊕ button.
 - a. To save the data value changes, select Save by pressing the ↓ button and then press the ⊕ button.
 - b. To cancel the data value changes, select Cancel by pressing the ↑ button and then pressing the ⊕ button.

2-2-2. VIEWING THE DIGITAL MODULE BOX (Q-BOX) SERVICE ITEMS

Use the following instructions to display the Digital menu items you want to adjust.

1. Turn the TV on and view a Digital channel.
2. Put the TV in standby mode. (Power off).
3. Press the following buttons on the Remote Commander within a second:

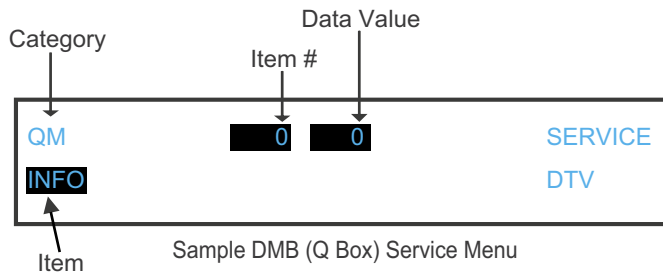
DISPLAY → Channel **5** → Volume **+** → **POWER** On.

The Digital service menu displays.

Video 1	
MAIN VER.	1009
H PACK VER.	1008
S PACK VER.	1008
CHECK SUM	E20E
NVM VER.	1006
ATI VER.	01.06
ATI UD NVM VER.	02
ATI SD NVM VER.	02
ETI	46h 39m

4. To display the Digital Module (Q Box) service adjustment menus, press **JUMP**.

The QM category displays.



5. To change the **category**, press **2** or **5** on the Remote Commander.
Note: Pressing **2** or **5** only changes the categories within the service menu displayed. To return to the Digital Service Menu, press the **JUMP** button.
6. To change the **adjustment item**, press **1** or **4** on the Remote Commander.
7. To change the **data value**, press **3** or **6** on the Remote Commander.
Note: To go back to the last saved data value, press **0** then **ENTER** on the Remote Commander to read the memory.
8. To write into memory, press **MUTING** then **ENT** on the Remote Commander.
9. To exit service mode, turn the power off.

2-2-3. ACCESSING THE ANALOG SERVICE ADJUSTMENT MENUS

1. Turn the TV on and view an Analog channel.
2. Put the TV in standby mode. (Power off).
3. Press the following buttons on the Remote Commander within a second:

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

The Analog service menu displays.

Video 1	
MAIN VER.	1008
H PACK VER.	1005
S PACK VER.	1008
CHECK SUM	F99F
NVM VER.	1006
ATI VER.	
ATI UD NVM VER.	
ATI SD NVM VER.	02
ETI	2h 16m

4. Use the **↓** button to view the next category listing the white balance adjustment items.

Video 1	
R DRIVE	256
B DRIVE	256
R BKG	512
G BKG	512
B BKG	512
COLOR SAVE	

5. Use the **↓** or **↑** button to select the item you want to adjust.
 - a. To increase the data value of the category, press the **↑** button.
 - b. To decrease the data value of the category, press the **↓** button.
6. To save the data value changes, press the **↓** button to select Color Save and then press the **+** button.
 - a. To save the data value changes, select Save by pressing the **↓** button and then press the **+** button.
 - b. To cancel the data value changes, select Cancel by pressing the **↑** button and then pressing the **+** button.

2-3. RESETTING THE USER MENU - FACTORY RESET

The TEST RESET option resets all the customer adjustable data back to the factory defaults.

- Put the TV in standby mode. (Power off).
- Press the following buttons on the Remote Commander within a second:

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

The service menu displays.

Video 1	
MAIN VER.	1009
H PACK VER.	1008
S PACK VER.	1008
CHECK SUM	E20E
NVM VER.	1006
ATI VER.	01.06
ATI UD NVM VER.	02
ATI SD NVM VER.	02
ETI	46h 39m

- Use the **↓** button to view the next category listing the white balance adjustment items.

Video 1	
R_DRIVE	256
B_DRIVE	256
R_BKG	512
G_BKG	512
B_BKG	512
COLOR SAVE	

- Continue pressing the **↓** button until the next category list displays.

Video 1	
TEST RESET	
AGING MODE	Off
AUTO SHUT-OFF	On
ETI CLEAR	
INFORMATION RESET	
SOUND MUTE	On

- Press the **+** button to select TEST RESET options.
- Press the **↓** button to select OK.
- Press the **+** button to reset the TV.

2-4. AGING MODE

Aging mode is designed to remove image retention from the screen.

NOTE: Once you enter into Aging Mode the Remote Commander no longer functions with the set. To turn off the set, push the Power Button on the set.

- Put the TV in standby mode. (Power off).
- Press the following buttons on the Remote Commander within a second:

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

The service menu displays.

Video 1	
MAIN VER.	1009
H PACK VER.	1008
S PACK VER.	1008
CHECK SUM	E20E
NVM VER.	1006
ATI VER.	01.06
ATI UD NVM VER.	02
ATI SD NVM VER.	02
ETI	46h 39m

- Use the **↓** button to view the next category listing the white balance adjustment items.

Video 1	
R_DRIVE	256
B_DRIVE	256
R_BKG	512
G_BKG	512
B_BKG	512
COLOR SAVE	

- Continue pressing the **↓** button until the next category list displays.

Video 1	
TEST RESET	
AGING MODE	Off
AUTO SHUT-OFF	On
ETI CLEAR	
INFORMATION RESET	
SOUND MUTE	On

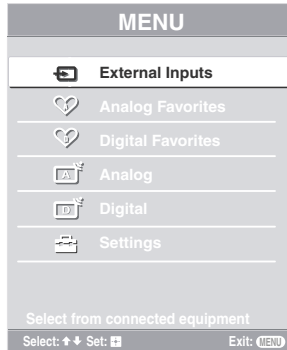
- Press the **↓** button to select AGING MODE.
- Press the **+** button to display the Aging Mode options.
- Press the **↓** button to select ON.
- Press the **+** button to start the aging process.

2-5. WHITE BALANCE ADJUSTMENT.

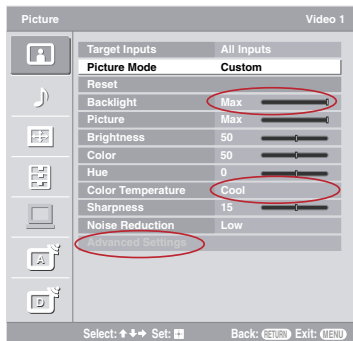
The White Balance only needs to be adjusted when you replace the BU Board.

- Through the Video 1 input, step Gray Scale with Setup.
- Press MENU on the Remote Commander.

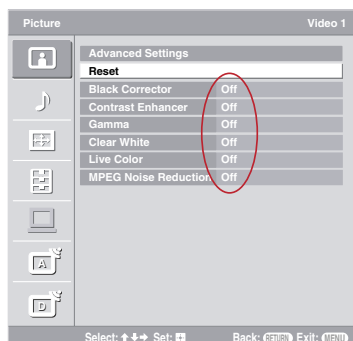
The User Menu displays.



- Press the \downarrow button until Settings is selected, then press the \odot button.
- From the Picture menu, press the \rightarrow button to display the picture mode options.
 - Press the \downarrow button to select Custom, then press the \odot button.
- From the Picture menu, press the \downarrow button to select Color Temperature.
 - Press the \downarrow button to display the Color Temperature options.
 - Press the \downarrow button to select Cool, then press the \odot button.
- From the Picture menu, press the \downarrow button to select Advanced Settings.

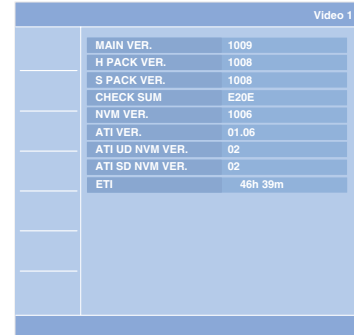


- Using the arrow keys set all the registers in the Advanced Setting menu to Off.



- Put the TV in standby mode. (Power off).

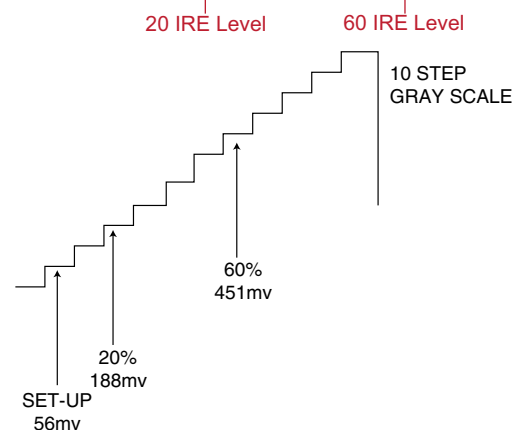
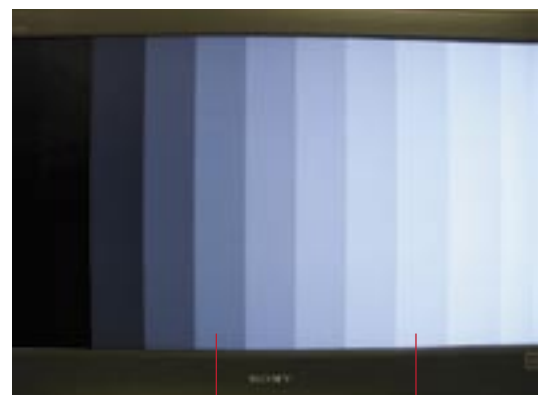
- Access the Service Menu by pressing the following buttons on the Remote Commander within a second:
DISPLAY \rightarrow Channel **5** \rightarrow Volume **+** \rightarrow **POWER** On.
 The Digital service menu displays.



- Press the \downarrow button to display the white balance adjustment menu items.

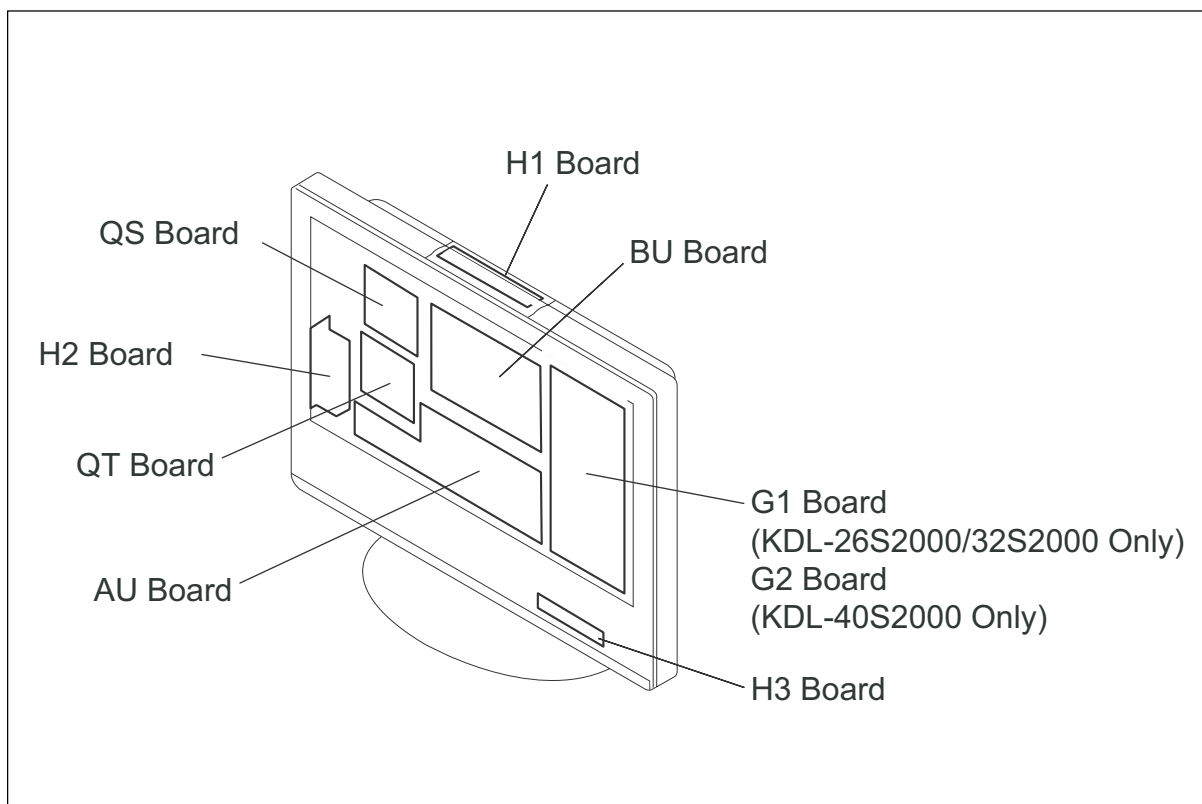


- Using 10 step NTSC Gray Scale with Setup adjust the White Balance of the 60% shade with R_Drive and B_Drive.
- Using the same pattern, adjust the white balance 20% with R_BKG and B_BKG.
- 20IRE and 60IRE shades should have the same color.



SECTION 3: DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



3-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in μF unless otherwise noted. pF : μF 50V 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.

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

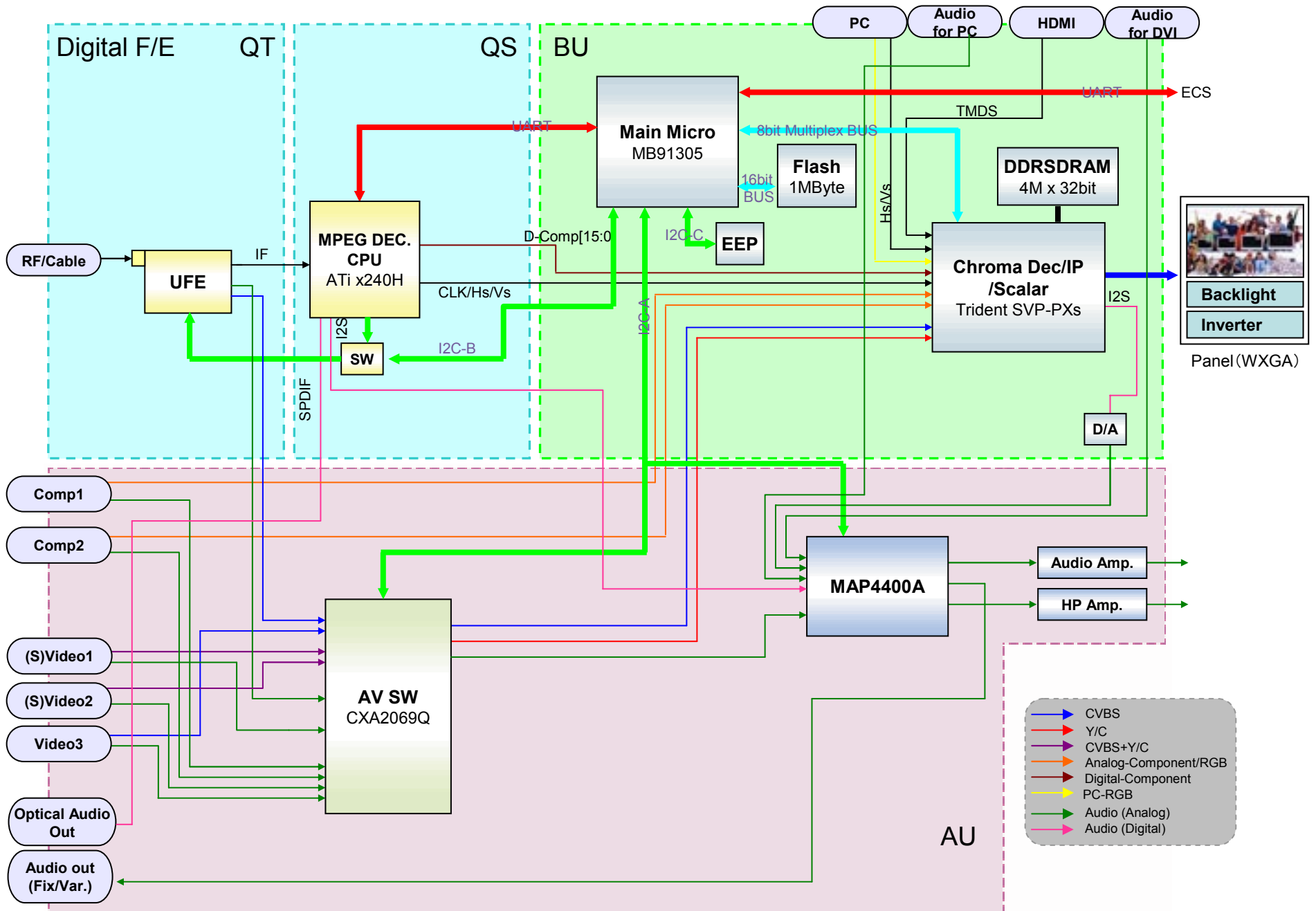
Terminal name of semiconductors in silk screen printed circuit (※)

	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			

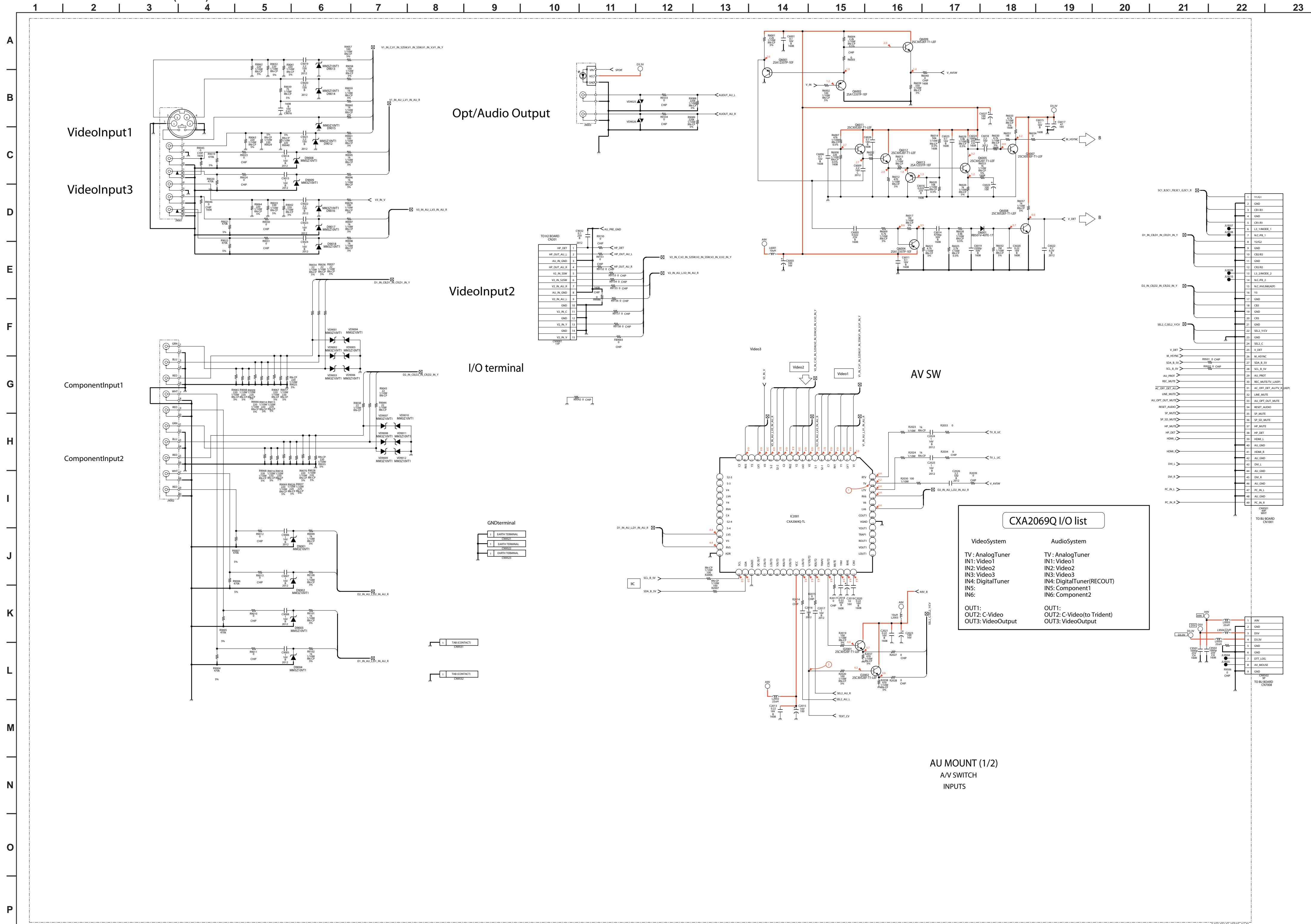
(Chip semiconductors that are not actually used are included.)

Ver.1.6

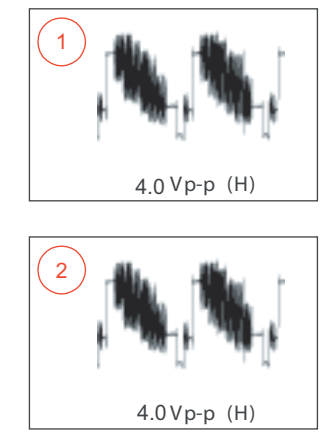
3-3. BLOCK DIAGRAM



3-4. SCHEMATICS AND SUPPORTING INFORMATION
 AU BOARD SCHEMATIC DIAGRAM (1 OF 2)



AU BOARD WAVEFORMS



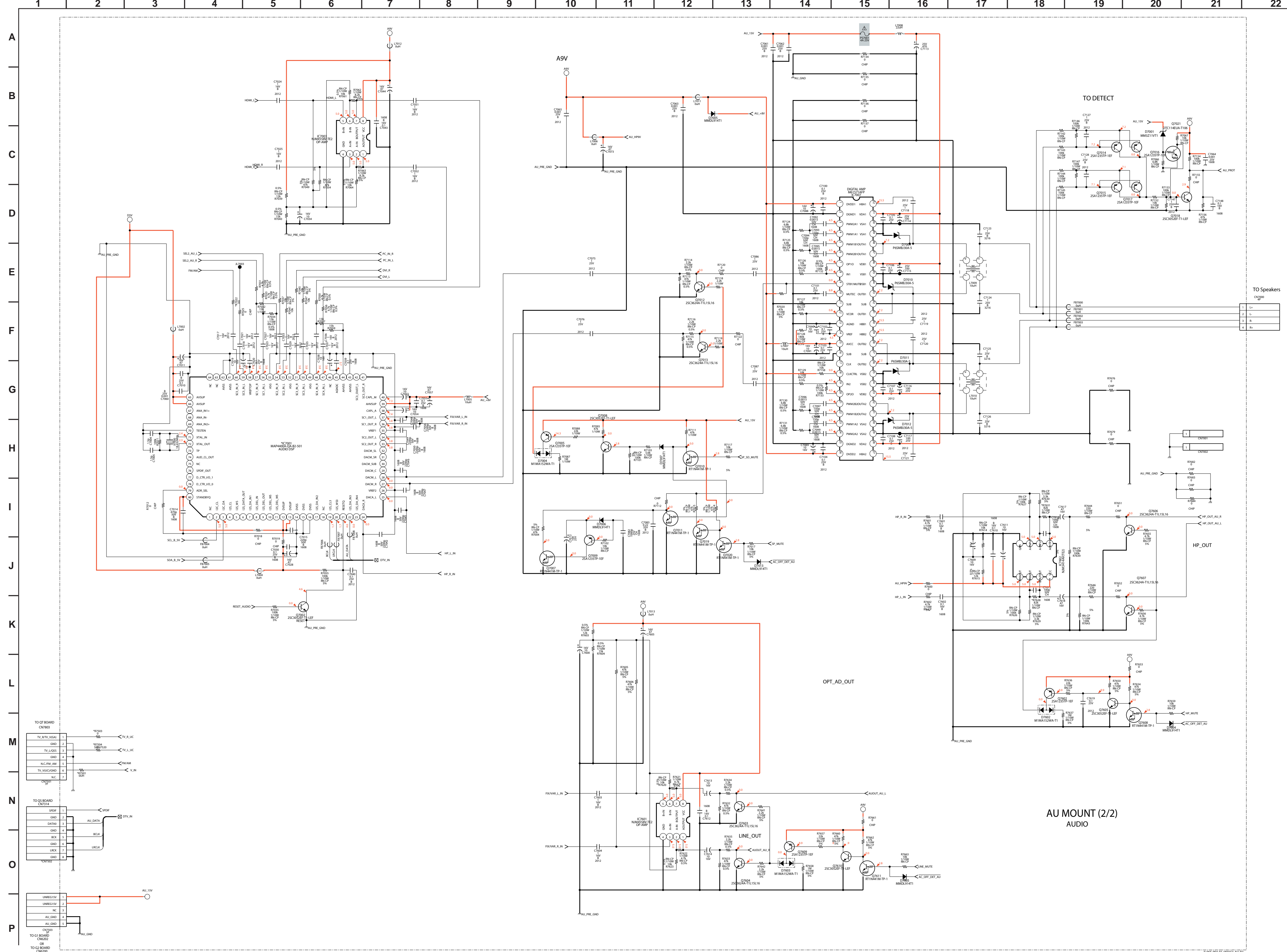
CXA2069Q I/O list

Pin	Signal Name	System
1	YIN1	VideoSystem
2	YIN2	VideoSystem
3	YIN3	VideoSystem
4	YIN4	VideoSystem
5	YIN5	VideoSystem
6	YIN6	VideoSystem
7	YIN7	VideoSystem
8	YIN8	VideoSystem
9	YIN9	VideoSystem
10	YIN10	VideoSystem
11	YIN11	VideoSystem
12	YIN12	VideoSystem
13	YIN13	VideoSystem
14	YIN14	VideoSystem
15	YIN15	VideoSystem
16	YIN16	VideoSystem
17	YIN17	VideoSystem
18	YIN18	VideoSystem
19	YIN19	VideoSystem
20	YIN20	VideoSystem
21	YIN21	VideoSystem
22	YIN22	VideoSystem
23	YIN23	VideoSystem
24	YIN24	VideoSystem
25	YIN25	VideoSystem
26	YIN26	VideoSystem
27	YIN27	VideoSystem
28	YIN28	VideoSystem
29	YIN29	VideoSystem
30	YIN30	VideoSystem
31	YIN31	VideoSystem
32	YIN32	VideoSystem
33	YIN33	VideoSystem
34	YIN34	VideoSystem
35	YIN35	VideoSystem
36	YIN36	VideoSystem
37	YIN37	VideoSystem
38	YIN38	VideoSystem
39	YIN39	VideoSystem
40	YIN40	VideoSystem
41	YIN41	VideoSystem
42	YIN42	VideoSystem
43	YIN43	VideoSystem
44	YIN44	VideoSystem
45	YIN45	VideoSystem
46	YIN46	VideoSystem
47	YIN47	VideoSystem
48	YIN48	VideoSystem
49	YIN49	VideoSystem
50	YIN50	VideoSystem

CXA2069Q I/O list

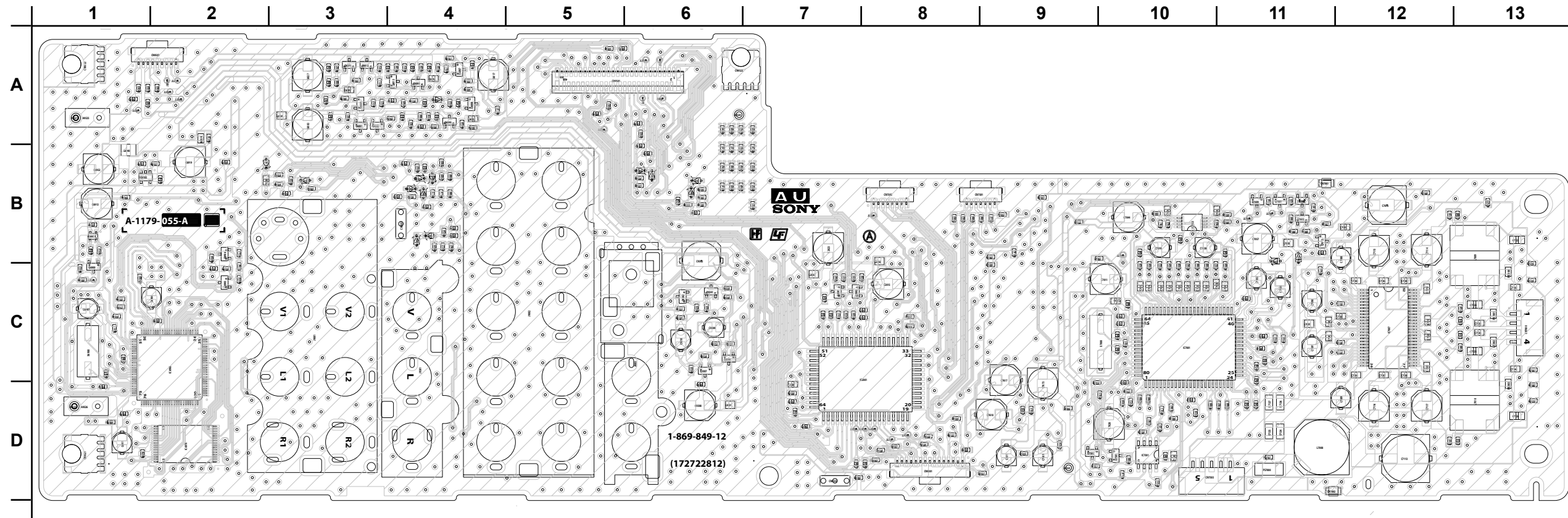
Pin	Signal Name	System
51	YOUT1	VideoSystem
52	YOUT2	VideoSystem
53	YOUT3	VideoSystem
54	YOUT4	VideoSystem
55	YOUT5	VideoSystem
56	YOUT6	VideoSystem
57	YOUT7	VideoSystem
58	YOUT8	VideoSystem
59	YOUT9	VideoSystem
60	YOUT10	VideoSystem
61	YOUT11	VideoSystem
62	YOUT12	VideoSystem
63	YOUT13	VideoSystem
64	YOUT14	VideoSystem
65	YOUT15	VideoSystem
66	YOUT16	VideoSystem
67	YOUT17	VideoSystem
68	YOUT18	VideoSystem
69	YOUT19	VideoSystem
70	YOUT20	VideoSystem
71	YOUT21	VideoSystem
72	YOUT22	VideoSystem
73	YOUT23	VideoSystem
74	YOUT24	VideoSystem
75	YOUT25	VideoSystem
76	YOUT26	VideoSystem
77	YOUT27	VideoSystem
78	YOUT28	VideoSystem
79	YOUT29	VideoSystem
80	YOUT30	VideoSystem
81	YOUT31	VideoSystem
82	YOUT32	VideoSystem
83	YOUT33	VideoSystem
84	YOUT34	VideoSystem
85	YOUT35	VideoSystem
86	YOUT36	VideoSystem
87	YOUT37	VideoSystem
88	YOUT38	VideoSystem
89	YOUT39	VideoSystem
90	YOUT40	VideoSystem

AU BOARD SCHEMATIC DIAGRAM (2 OF 2)





[AV SWITCH, INPUTS, AUDIO]
COMPONENT SIDE

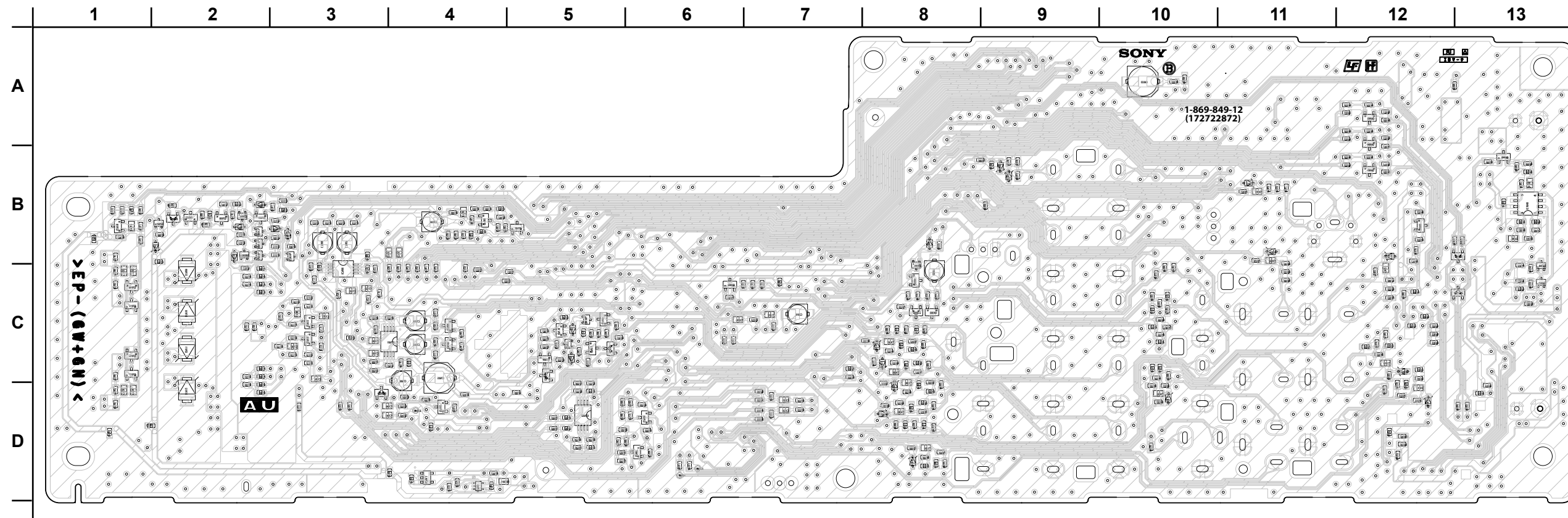


AU BOARD LOCATOR LIST

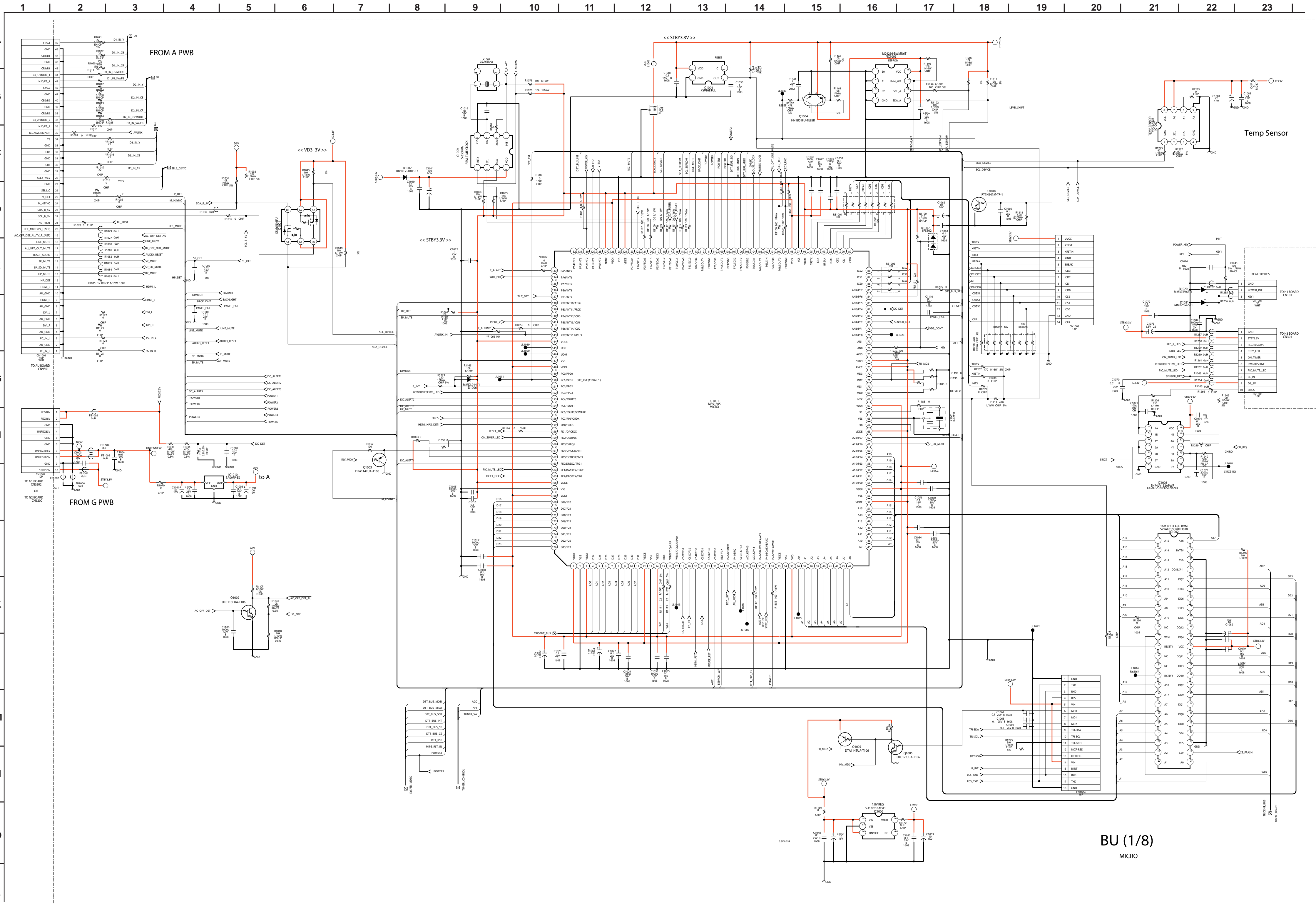
DIODE		TRANSISTOR	
D7001	B-1	Q7002	D-4
D7004	B-2	Q7005	B-2
D7006	B-2	Q7007	B-2
D7007	B-2	Q7008	B-2
D7009	C-2	Q7009	B-2
D7010	C-2	Q7010	B-2
D7011	C-2	Q7011	B-2
D7012	D-2	Q7012	C-3
D7013	B-2	Q7013	C-3
D7602	C-5	Q7014	C-1
D7603	C-5	Q7015	C-1
D7604	C-5	Q7016	C-1
D7605	C-5	Q7017	C-1
D9009	D-12	Q7018	B-1
D9012	B-12	Q7019	B-2
D9013	B-11	Q7020	B-2
D9016	B-11	Q7021	B-2
D9017	C-10	Q7602	C-5
D9018	D-8	Q7603	C-4
IC		Q7604	C-4
IC7601	C-3	Q7605	C-5
IC7602	D-5	Q7606	D-6
		Q7607	D-6
		Q7608	C-5
		Q7609	C-5
		Q7610	C-5
		Q7611	C-5



[AV SWITCH, INPUTS, AUDIO]
CONDUCTOR SIDE

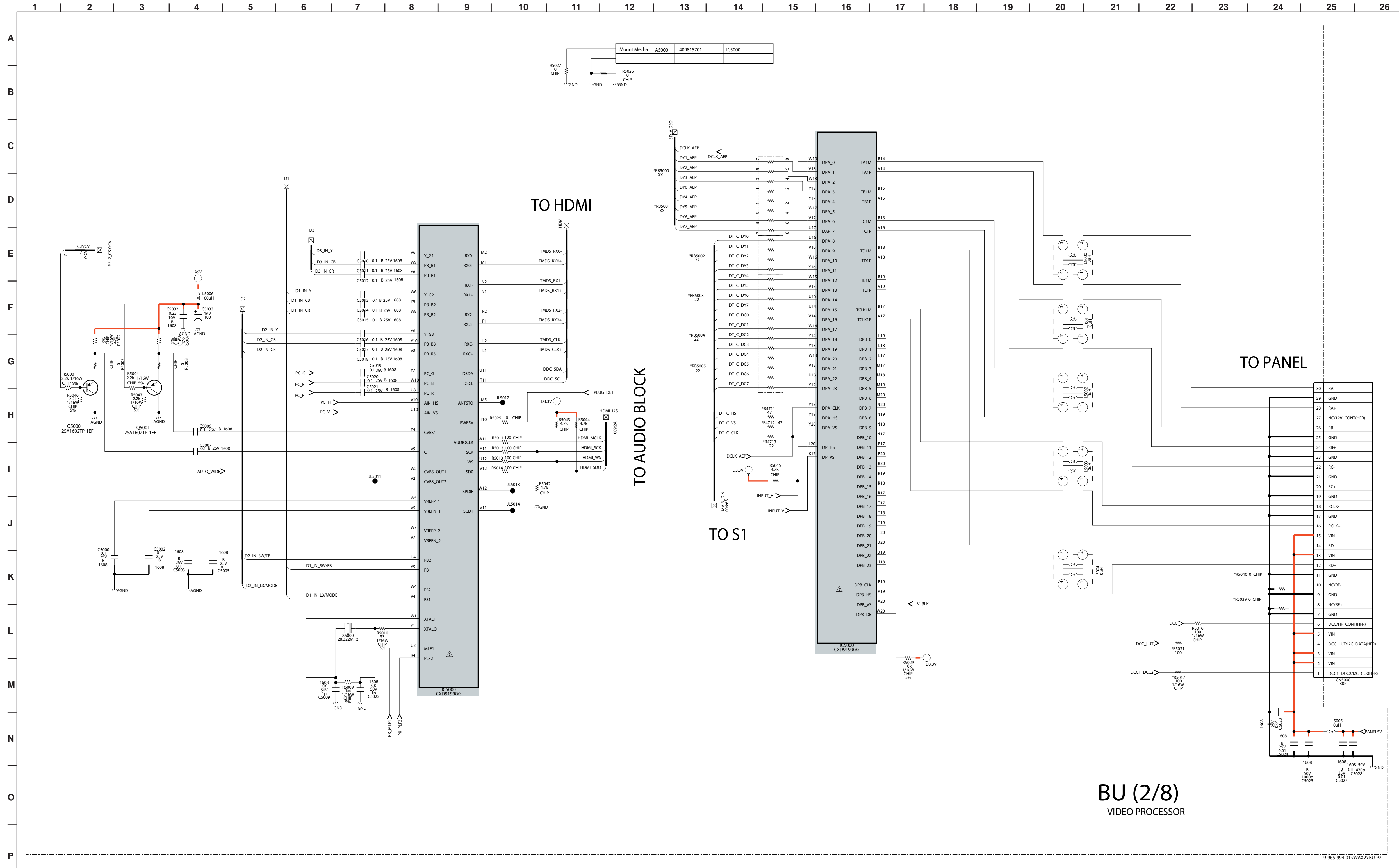


BU BOARD SCHEMATIC DIAGRAM (1 OF 8)



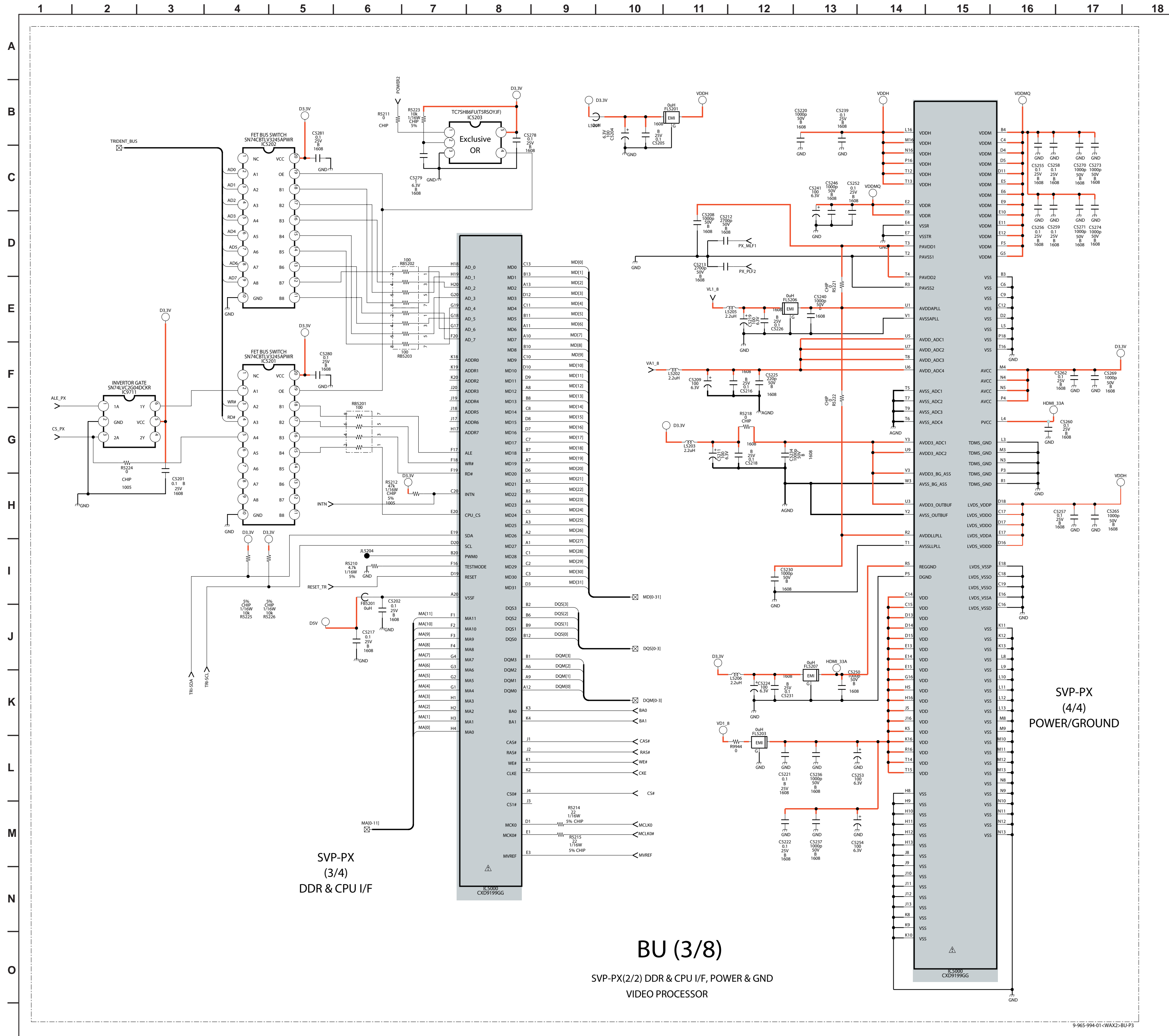
BU (1/8)
MICRO

BU BOARD SCHEMATIC DIAGRAM (2 OF 8)

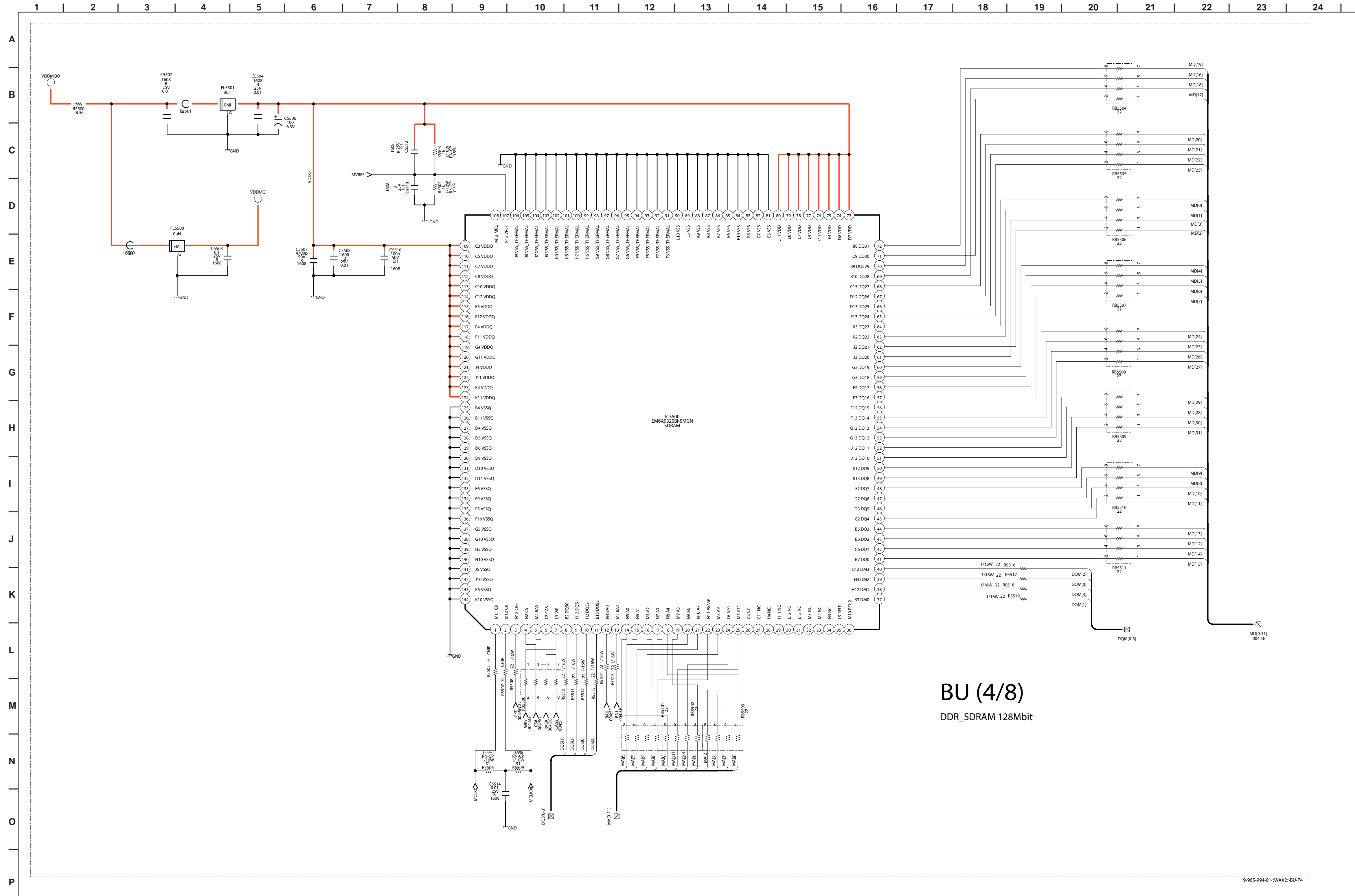


BU (2/8)
VIDEO PROCESSOR

BU BOARD SCHEMATIC DIAGRAM (3 OF 8)

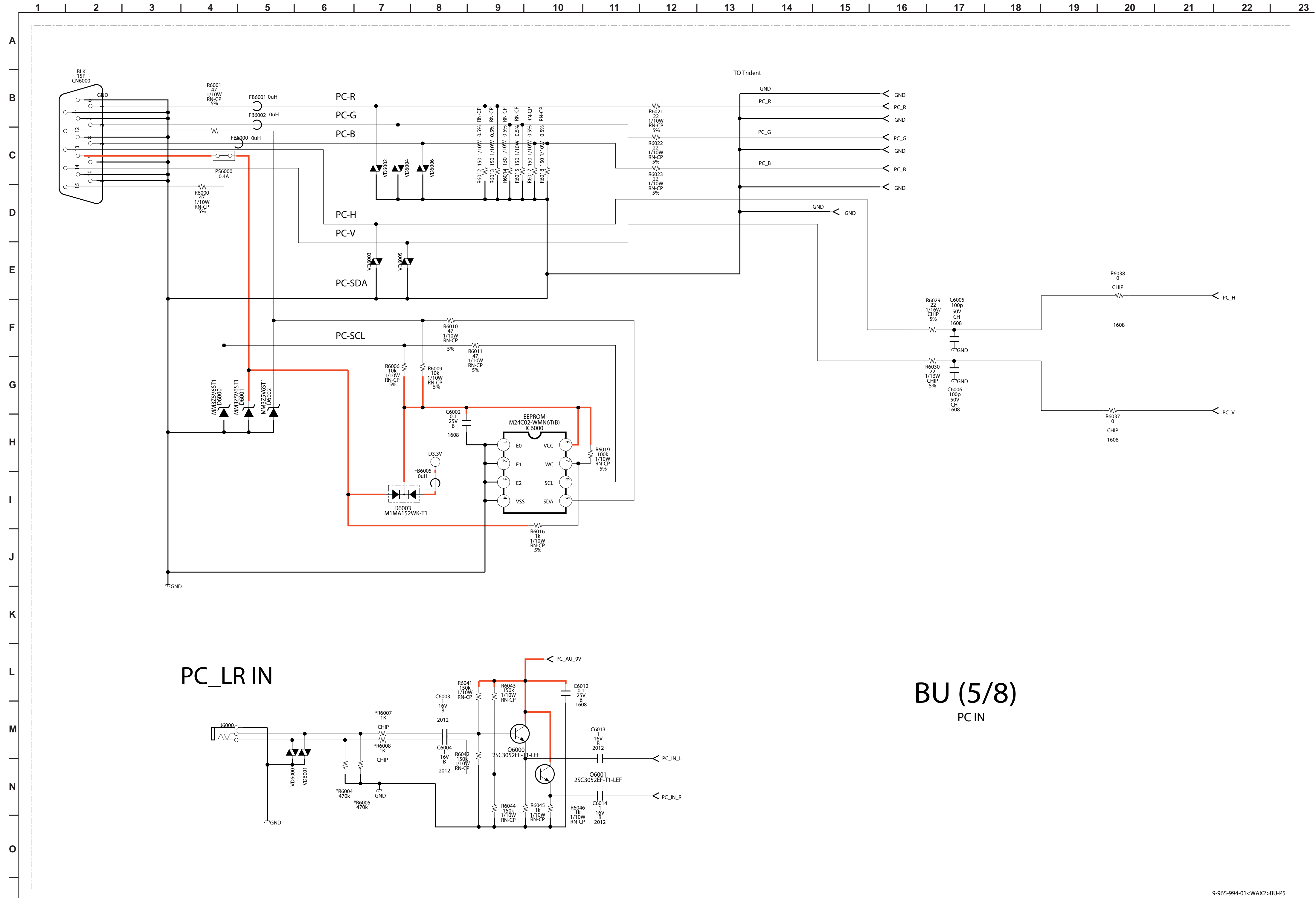


BU BOARD SCHEMATIC DIAGRAM (4 OF 8)



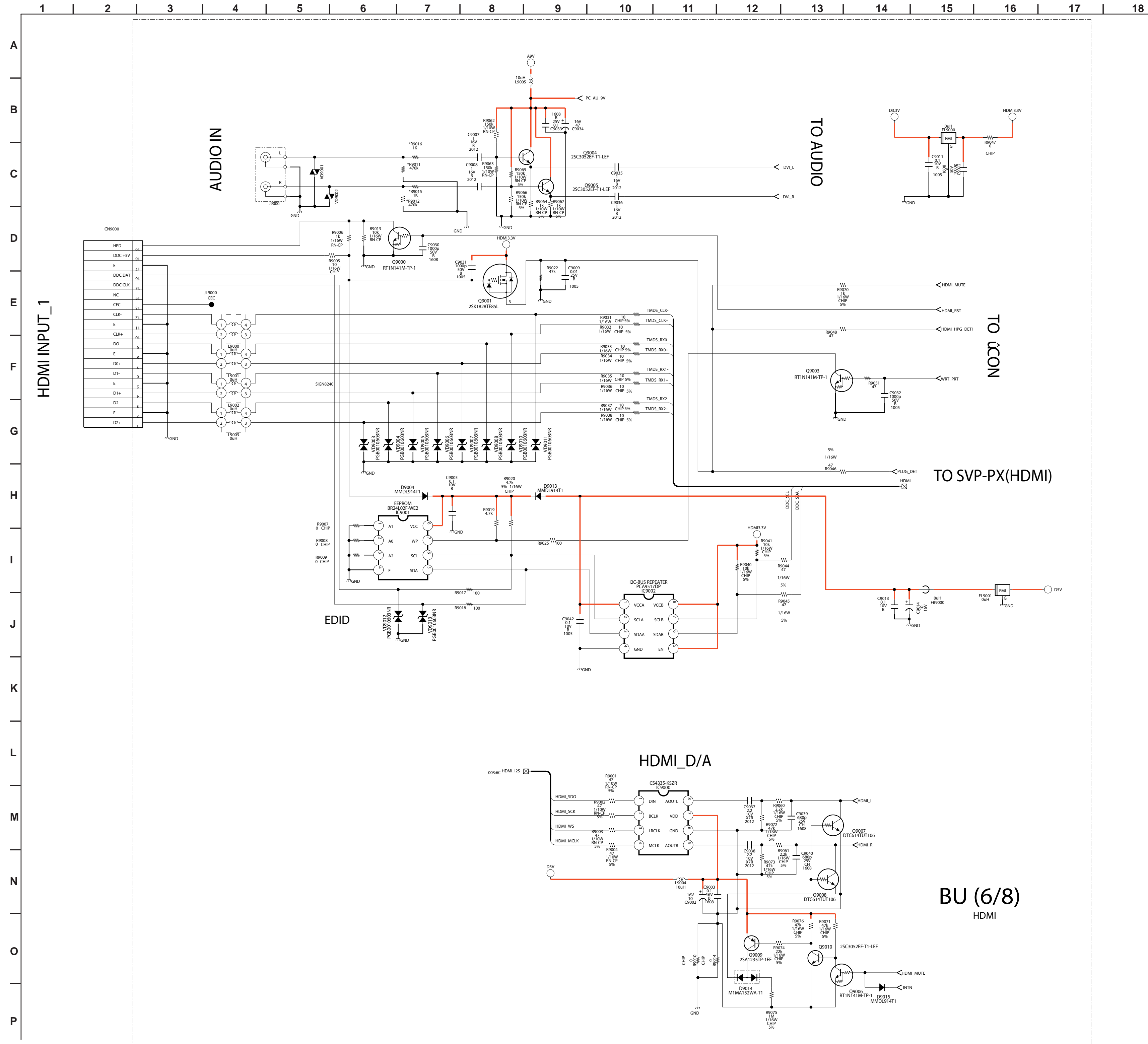
BU (4/8)
DDR_SDRAM 128Mbit

BU BOARD SCHEMATIC DIAGRAM (5 OF 8)



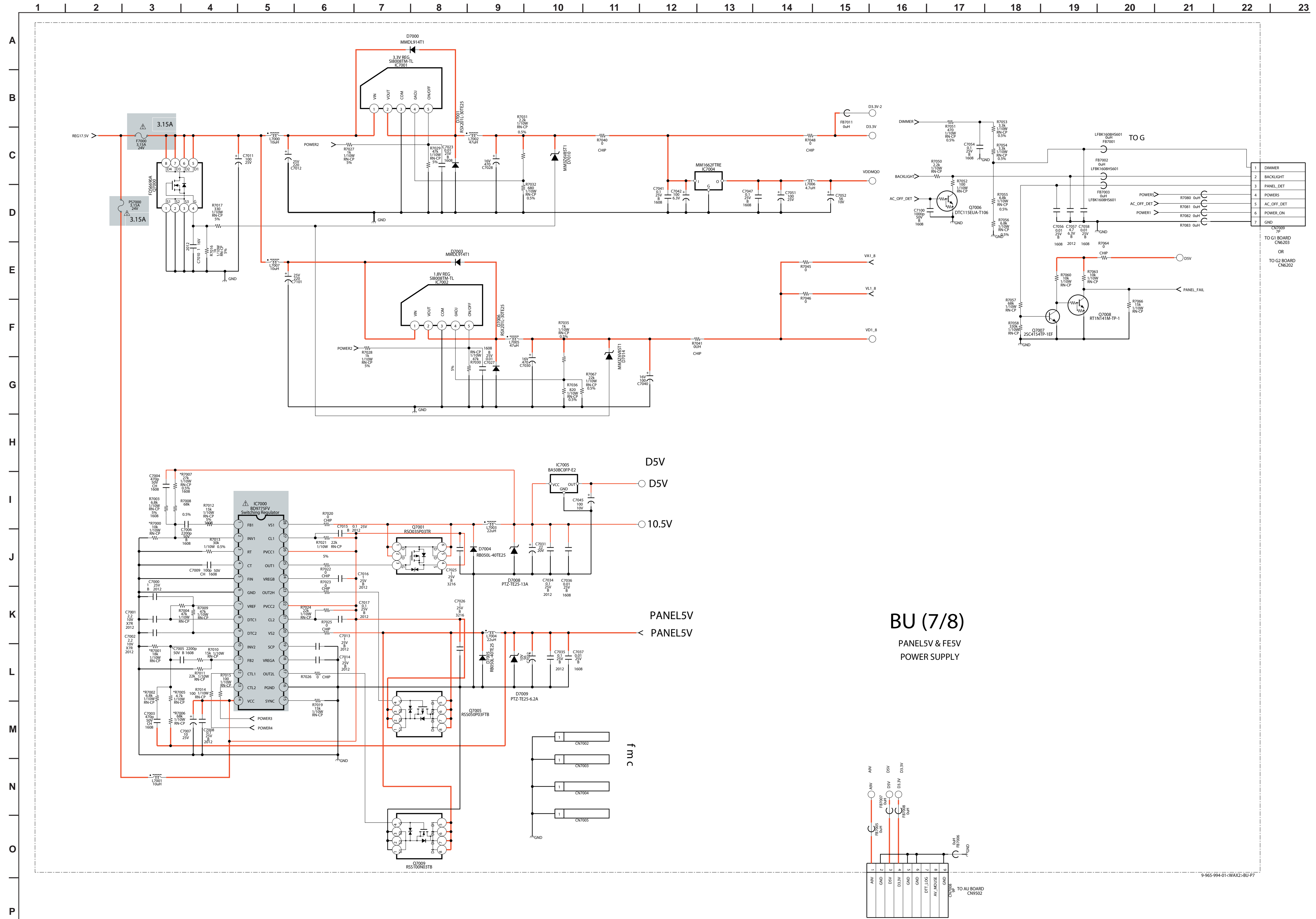
BU (5/8)
PC IN

BU BOARD SCHEMATIC DIAGRAM (6 OF 8)



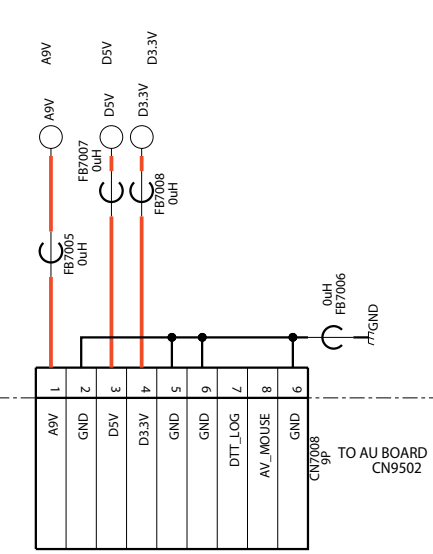
BU (6/8)
HDMI

BU BOARD SCHEMATIC DIAGRAM (7 OF 8)



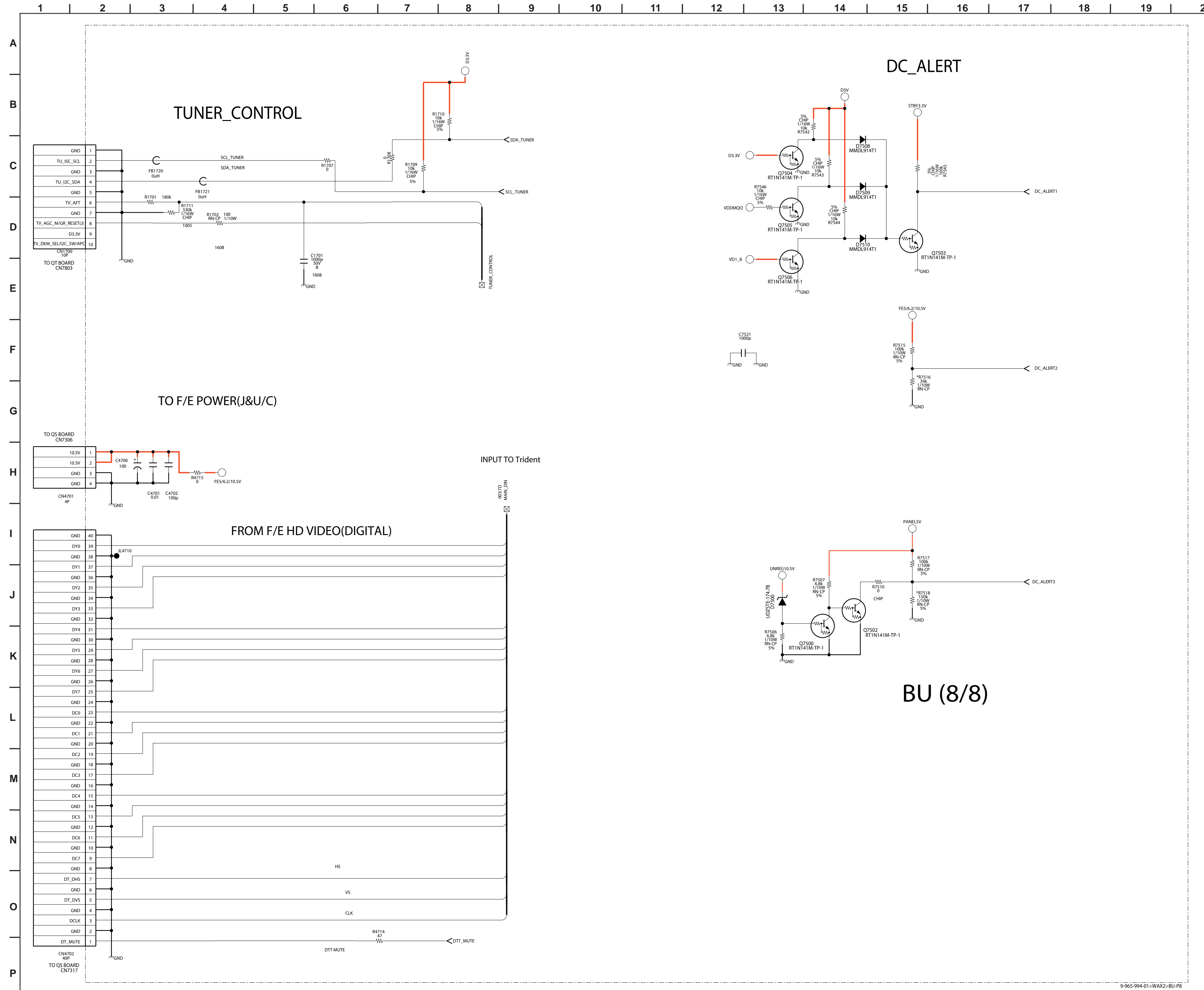
BU (7/8)

PANEL5V & F5V
POWER SUPPLY



9-965-994-01-WA3Z-BU-PT

BU BOARD SCHEMATIC DIAGRAM (8 OF 8)

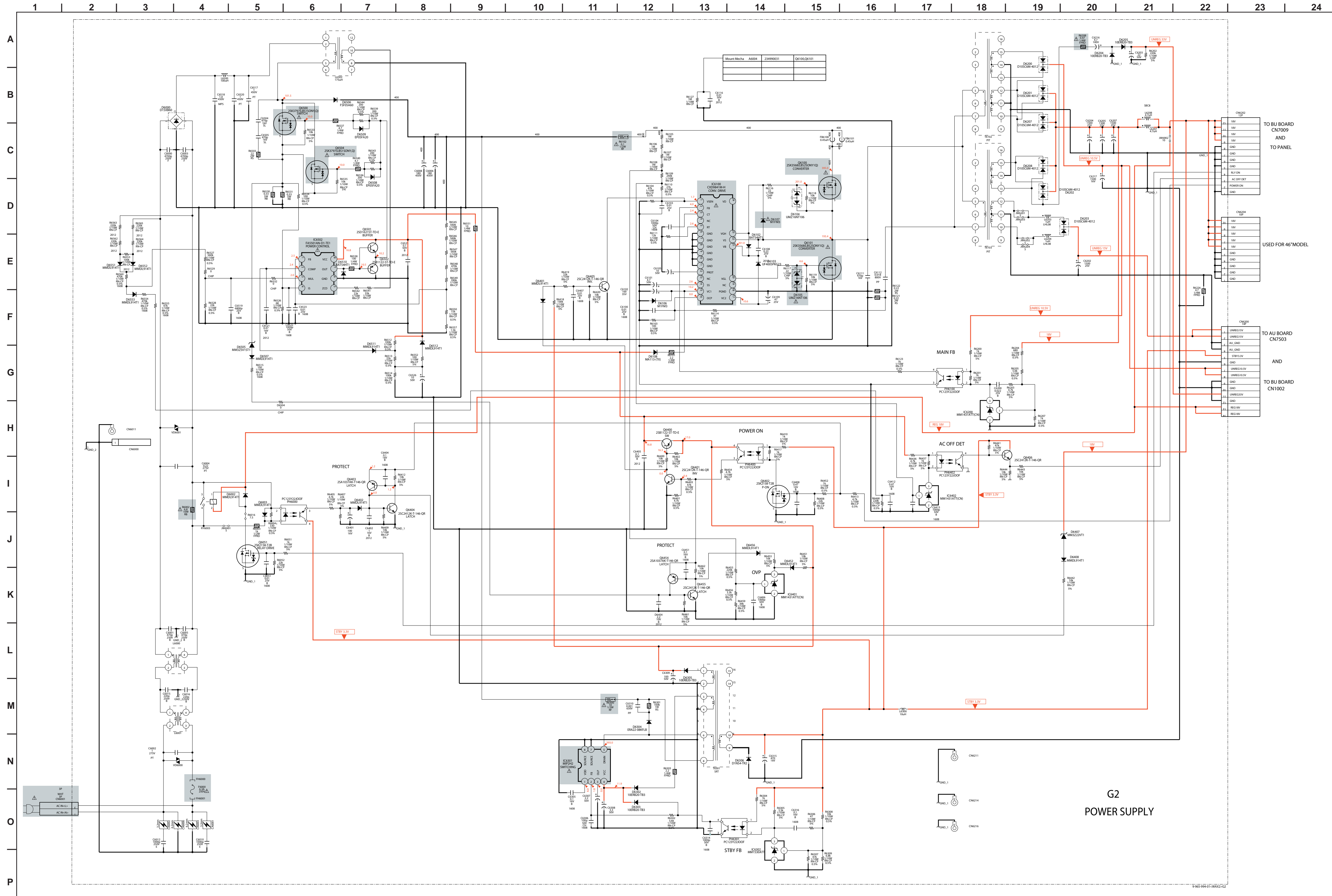


BU (8/8)

G1 BOARD, POWER UNIT (KDL-26S2000/32S2000 ONLY)

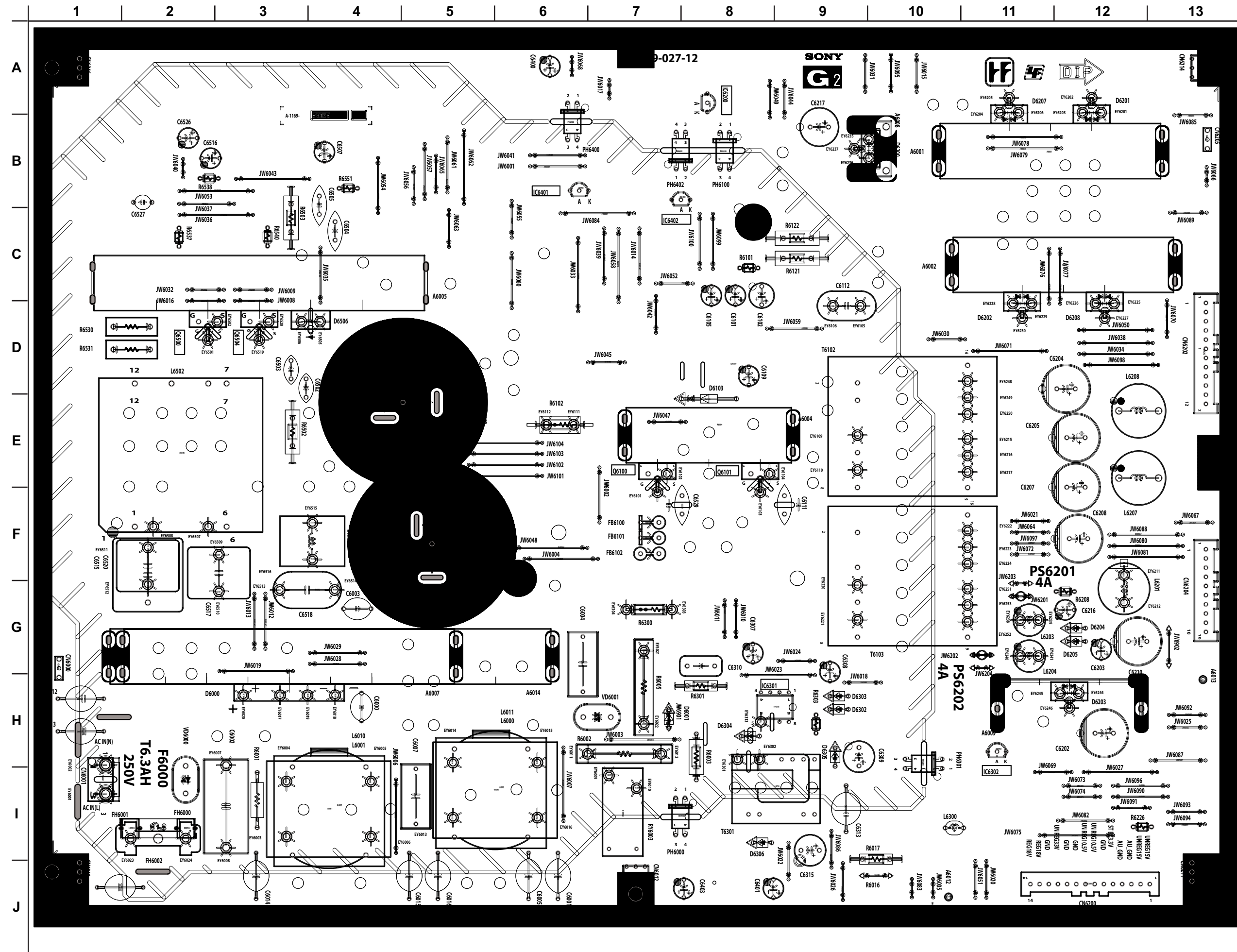
Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is required, therefore schematics and PWBs are not included. For part number information refer to the Exploded View section of this manual.

G2 BOARD SCHEMATIC DIAGRAM (KDL-40S2000 ONLY)

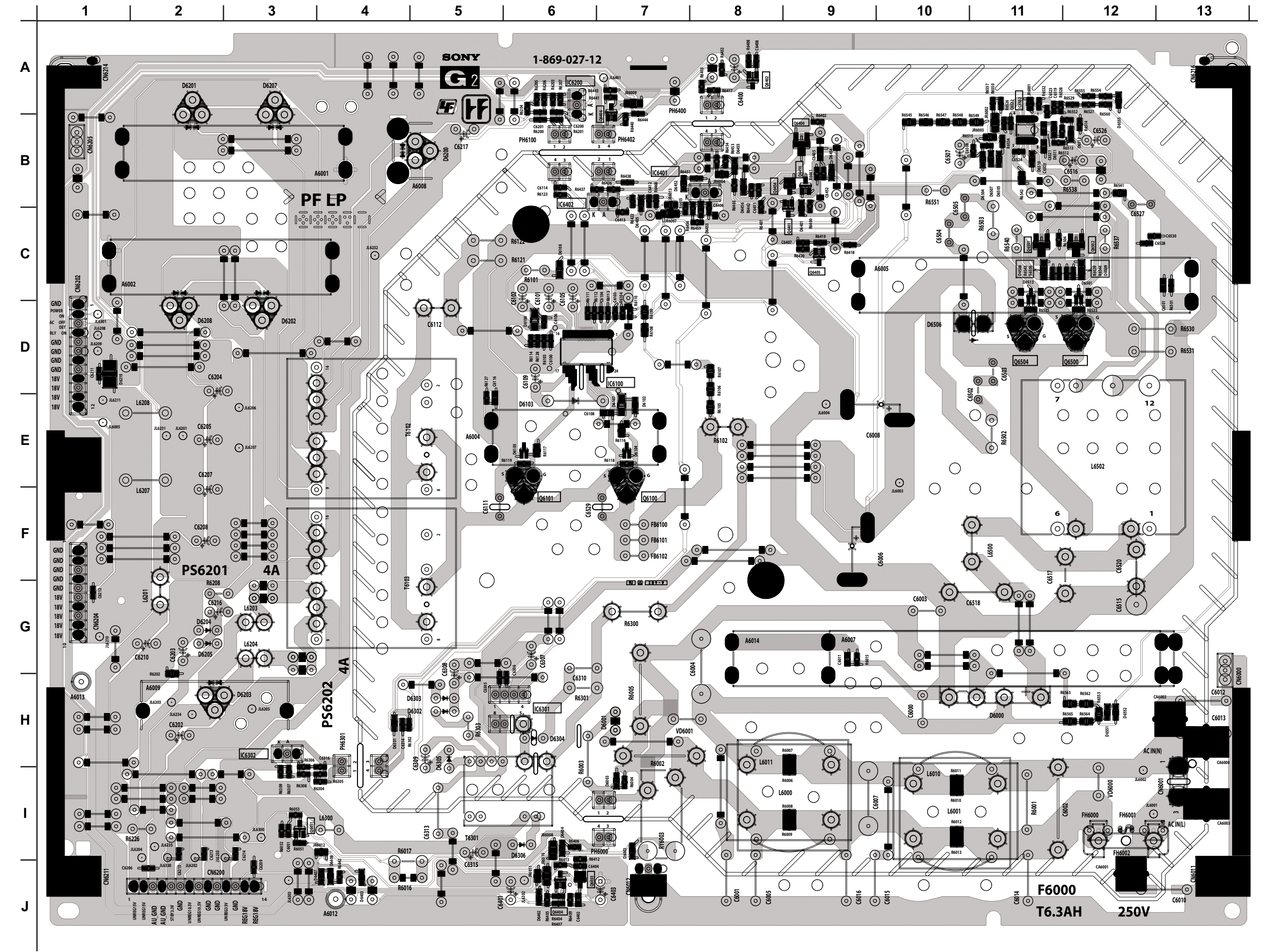


G2
POWER SUPPLY

G2 [POWER SUPPLY]
COMPONENT SIDE (KDL-40S2000 ONLY)



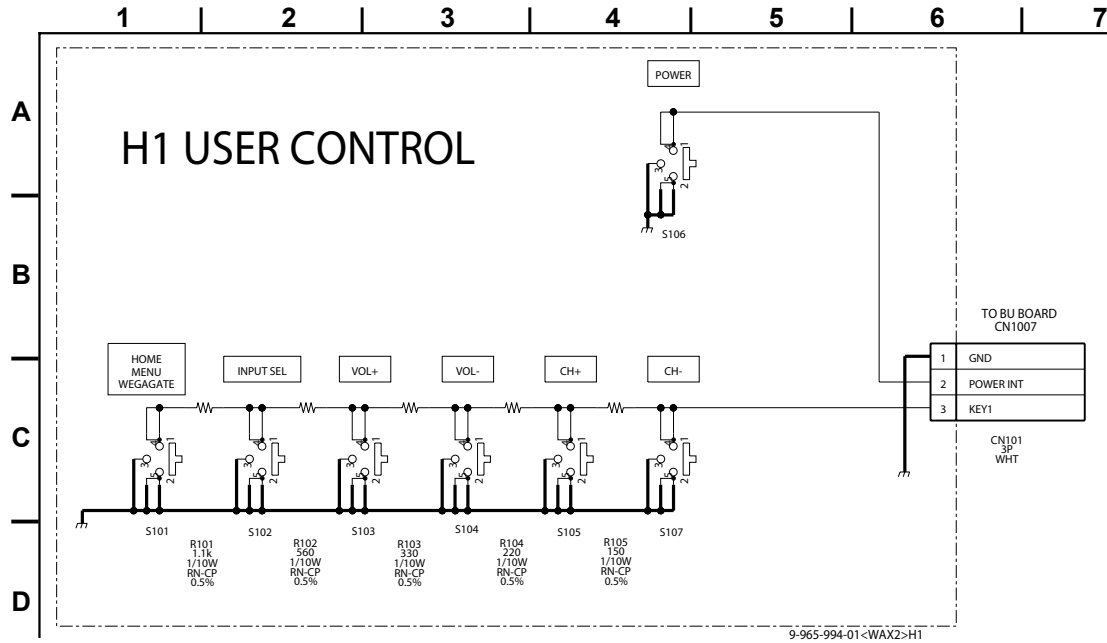
G2 [POWER SUPPLY]
CONDUCTOR SIDE (KDL-40S2000 ONLY)



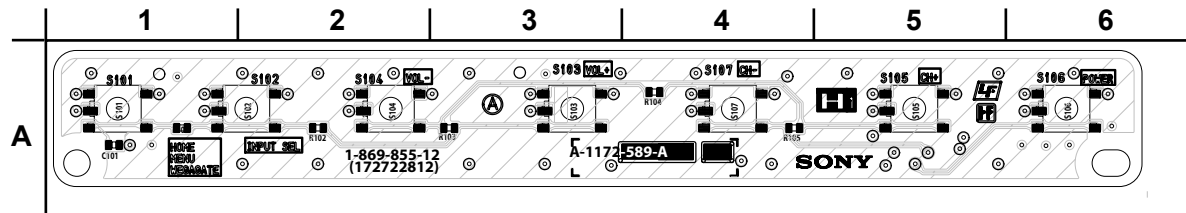
G2 BOARD LOCATOR LIST

DIODE	DIODE	DIODE	TRANSISTOR
D6000	H-11	D6208	D-2
D6002	I-7	D6302	H-5
D6003	I-6	D6303	H-5
D6102	D-7	D6304	H-6
D6103	E-6	D6305	H-5
D6104	E-7	D6306	I-6
D6105	E-6	D6401	C-9
D6106	D-6	D6402	J-6
D6107	D-7	D6407	J-3
D6108	C-6	D6408	J-4
D6200	B-5	D6452	B-7
D6201	A-2	D6454	B-9
D6202	D-3	D6456	B-8
D6203	H-3	D6504	B-11
D6204	G-2	D6505	B-11
D6205	G-2	D6506	D-10
D6207	A-3	D6507	B-11
D6508	C-11	D6509	C-12
D6510	B-11	D6511	B-11
D6512	B-12	D6551	H-12
D6552	H-12	D6553	B-12
IC		IC6100	D-7
IC6200	A-6	IC6301	H-6
IC6302	H-3	IC6401	B-7
IC6402	B-6	IC6502	A-11
Q6051	I-3	Q6100	F-7
Q6101	F-6	Q6400	B-9
Q6401	C-9	Q6402	A-8
Q6403	J-7	Q6404	J-6
Q6405	C-9	Q6406	A-7
Q6454	B-8	Q6455	B-9
Q6500	D-12	Q6501	C-11
Q6502	C-12	Q6504	D-11

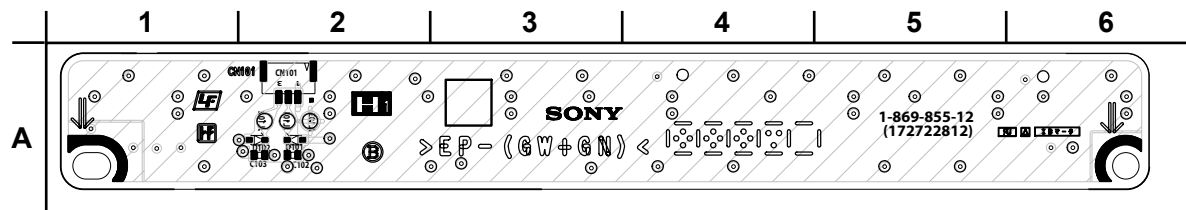
H1U BOARD SCHEMATIC DIAGRAM NOTE: THE SILK SCREEN ON THE BOARD DISPLAY "H1" NOT "H1U"



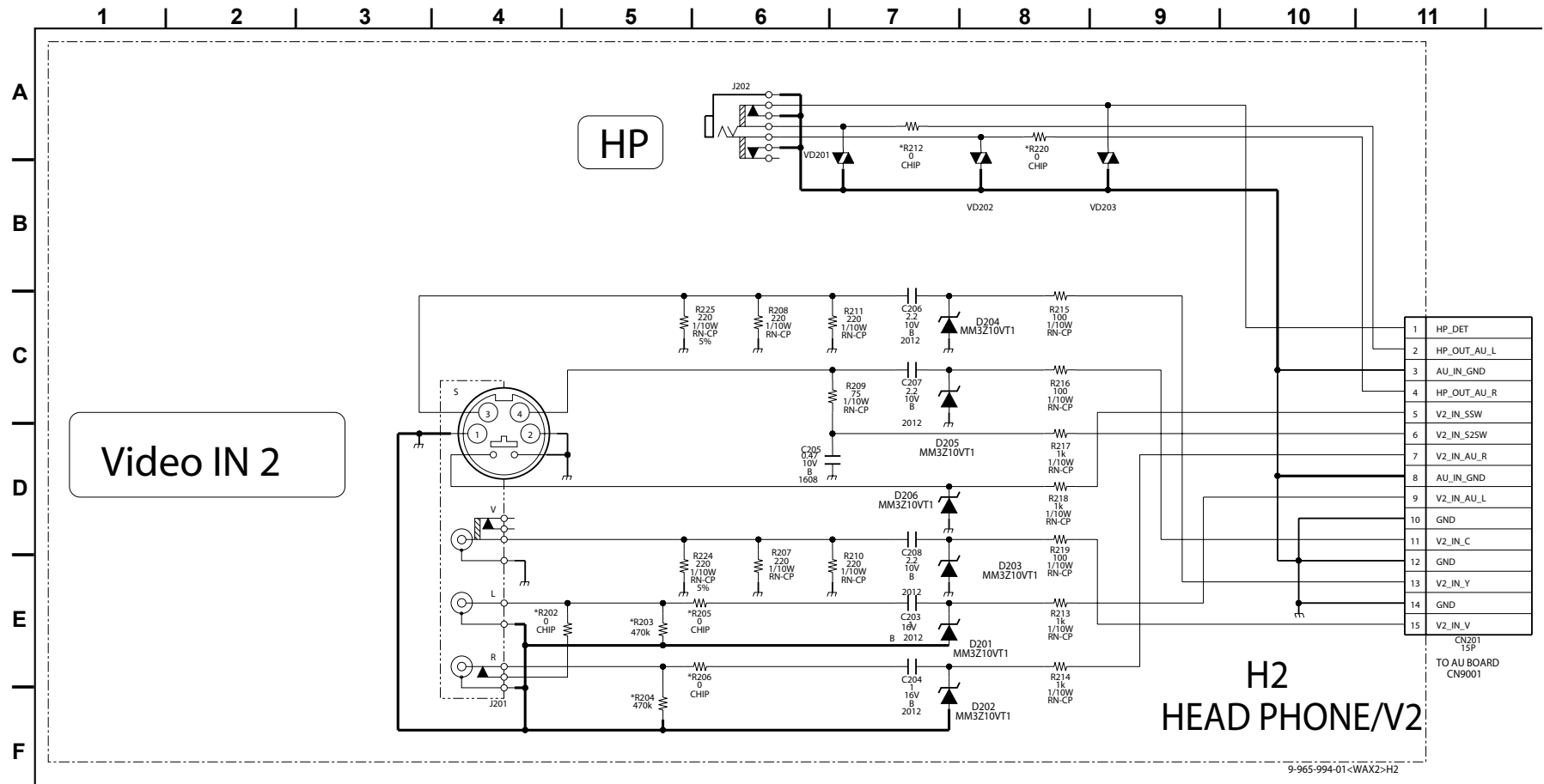
H1U [USER CONTROL]
COMPONENT SIDE



H1U [USER CONTROL]
CONDUCTOR SIDE



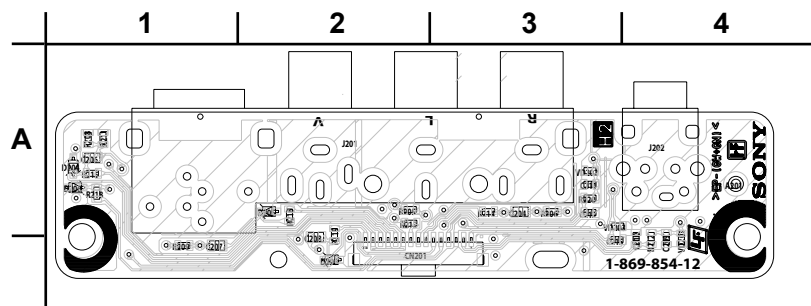
H2U BOARD SCHEMATIC DIAGRAM NOTE: THE SILK SCREEN ON THE BOARD DISPLAY "H2" NOT "H2U"



H2U

[HEAD PHONE/V2]

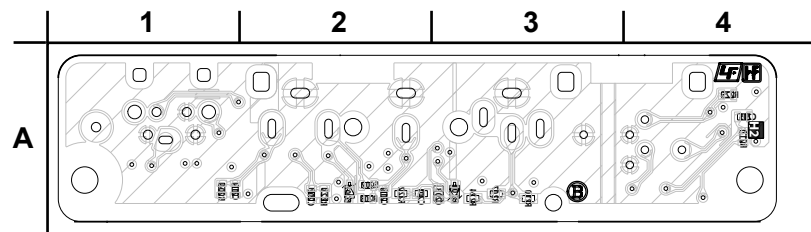
COMPONENT SIDE



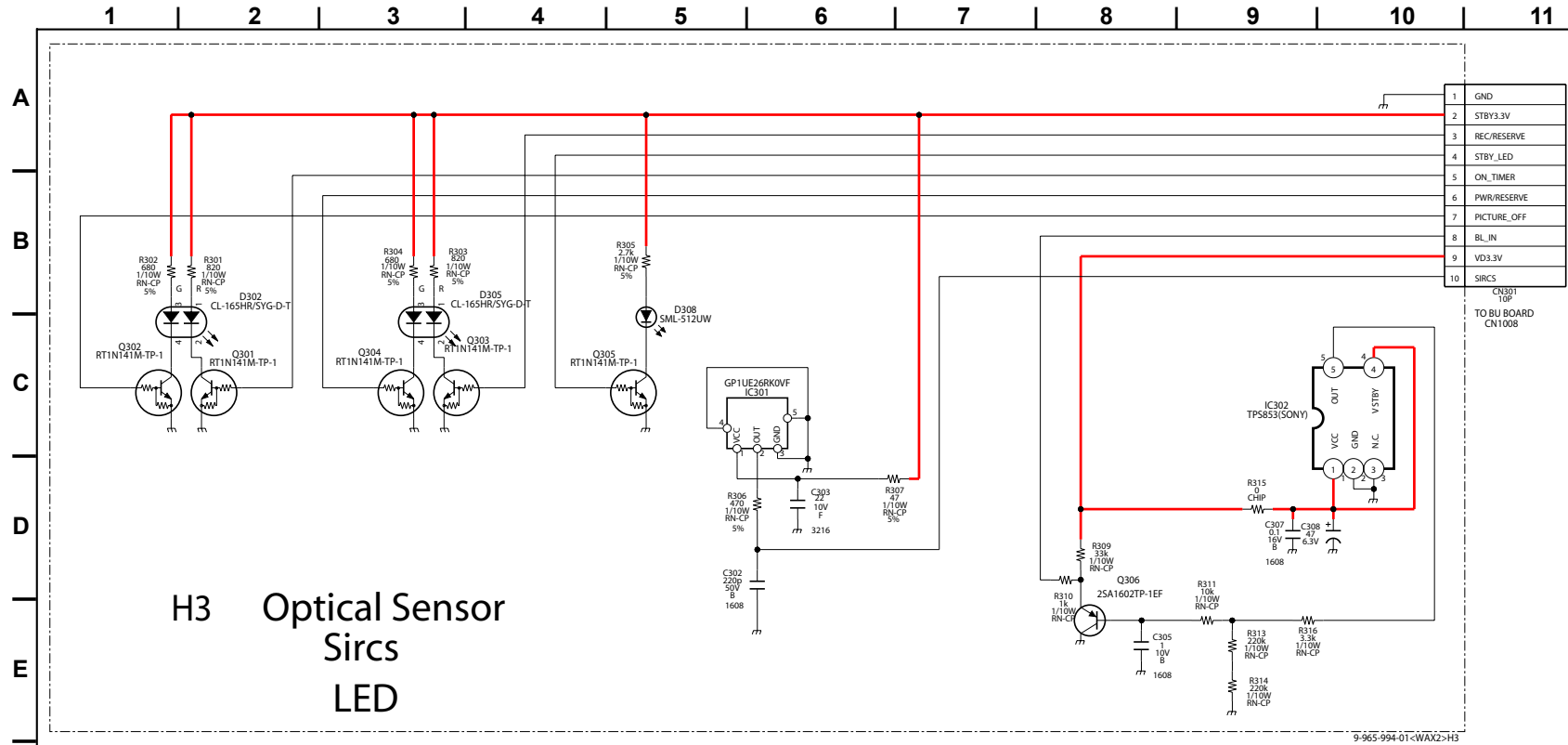
H2U

[HEAD PHONE/V2]

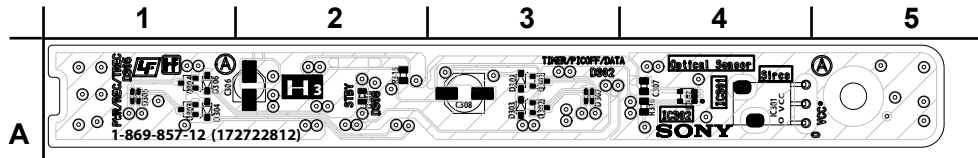
CONDUCTOR SIDE



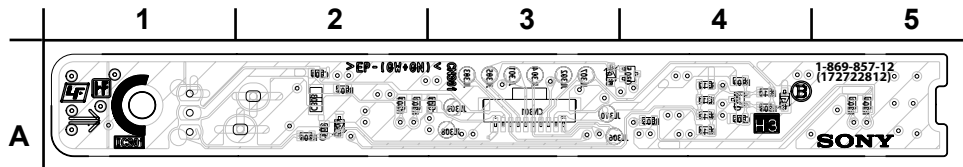
H3U BOARD SCHEMATIC DIAGRAM NOTE: THE SILK SCREEN ON THE BOARD DISPLAY "H3" NOT "H3U"



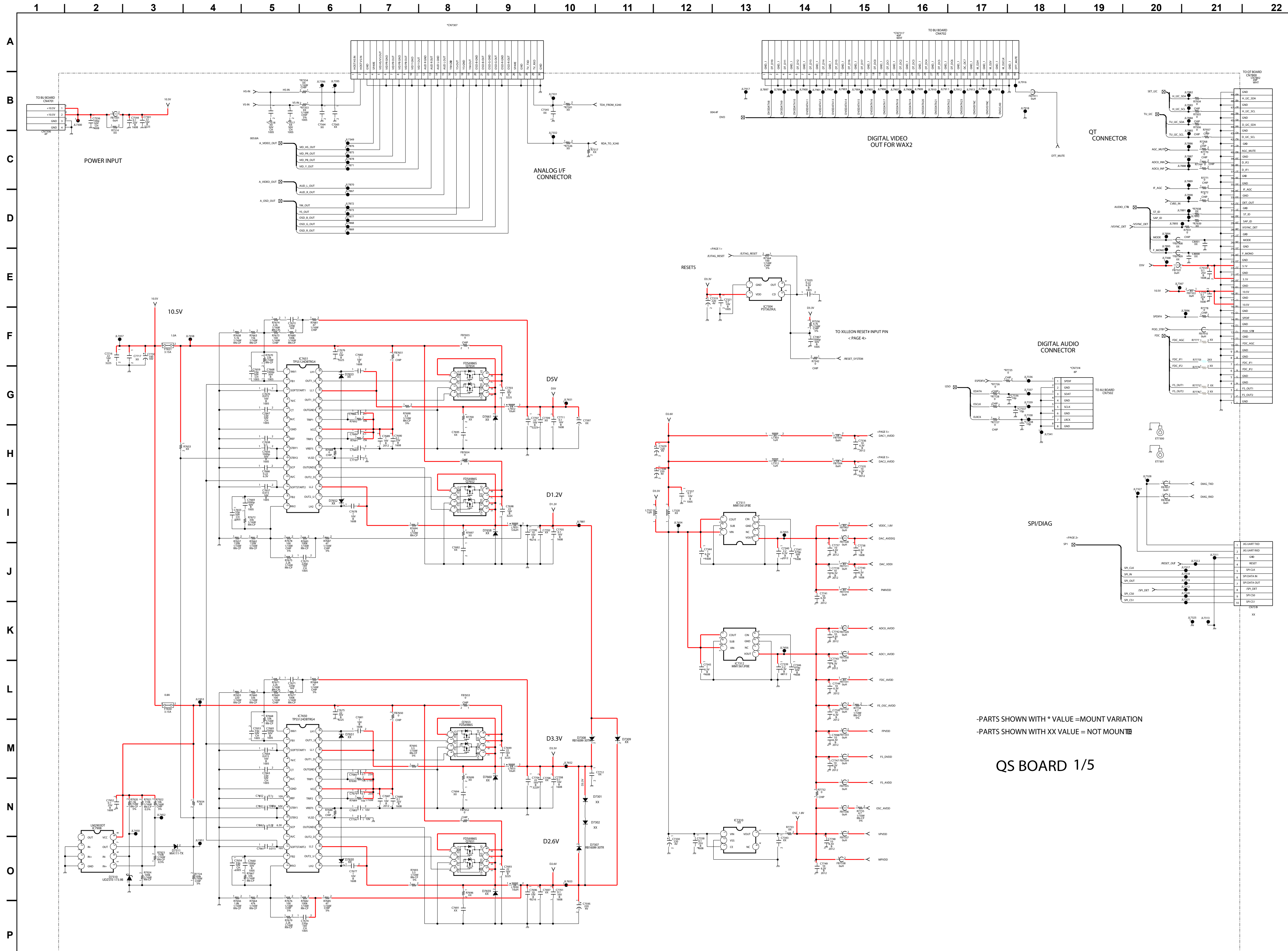
H3U [OPTICAL SENSOR, SIRCS, LED]
COMPONENT SIDE



H3U [OPTICAL SENSOR, SIRCS, LED]
CONDUCTOR SIDE



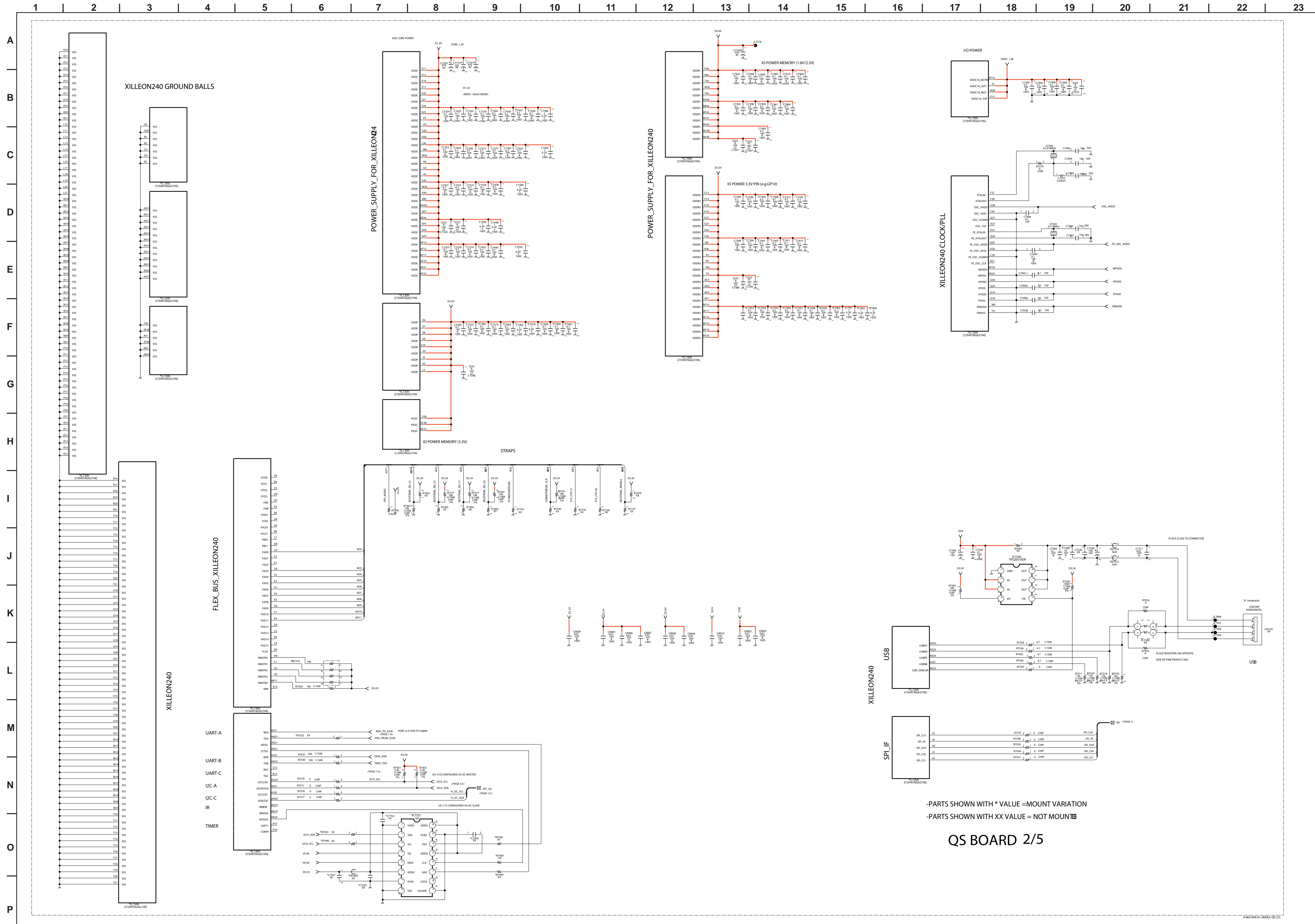
QS BOARD SCHEMATIC DIAGRAM (1 OF 5)



-PARTS SHOWN WITH * VALUE = MOUNT VARIATION
-PARTS SHOWN WITH XX VALUE = NOT MOUNTED

QS BOARD 1/5

QS BOARD SCHEMATIC DIAGRAM (2 OF 5)

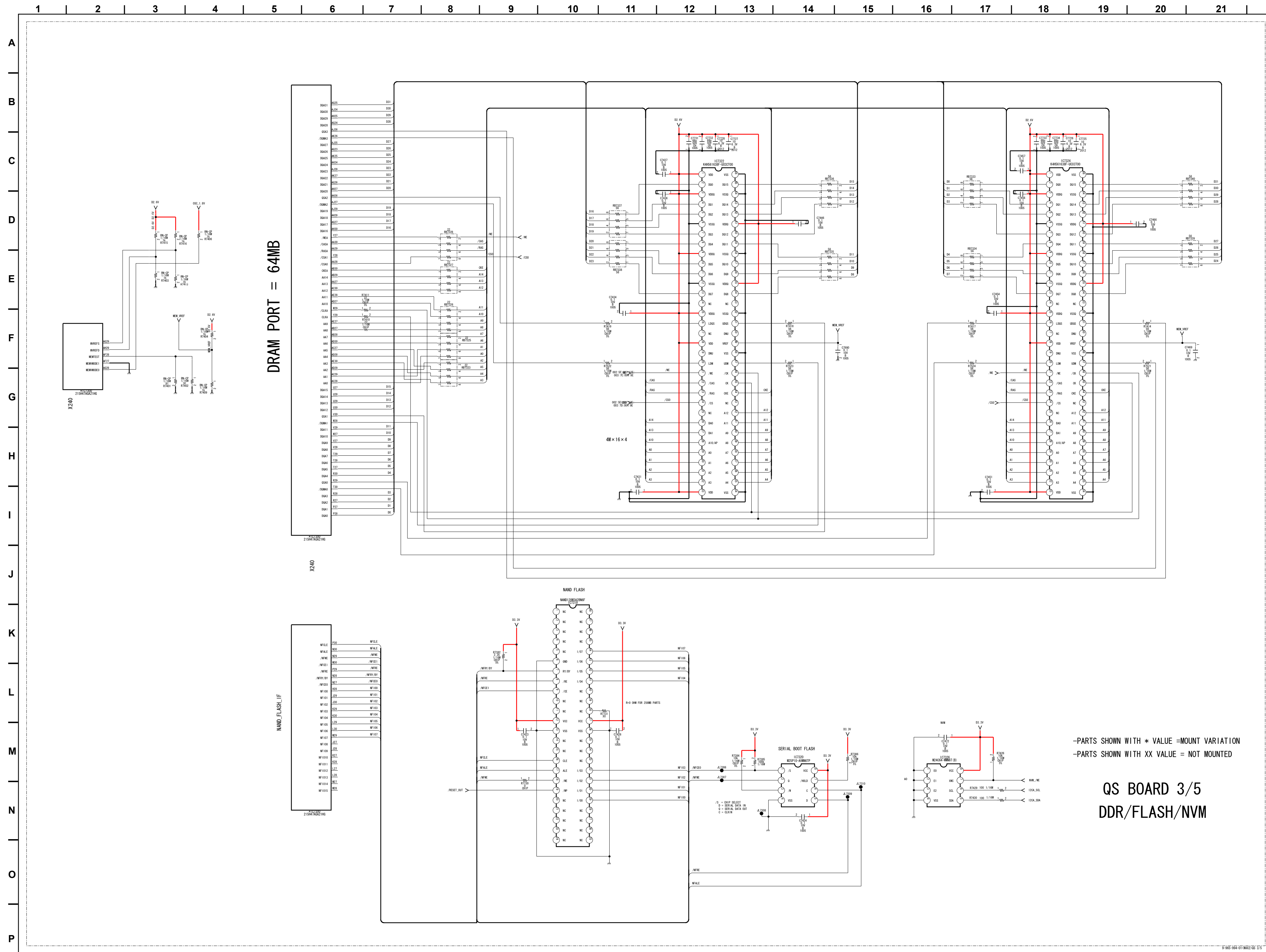


-PARTS SHOWN WITH * VALUE = MOUNT VARIATION

-PARTS SHOWN WITH XX VALUE = NOT MOUNTED

QS BOARD 2/5

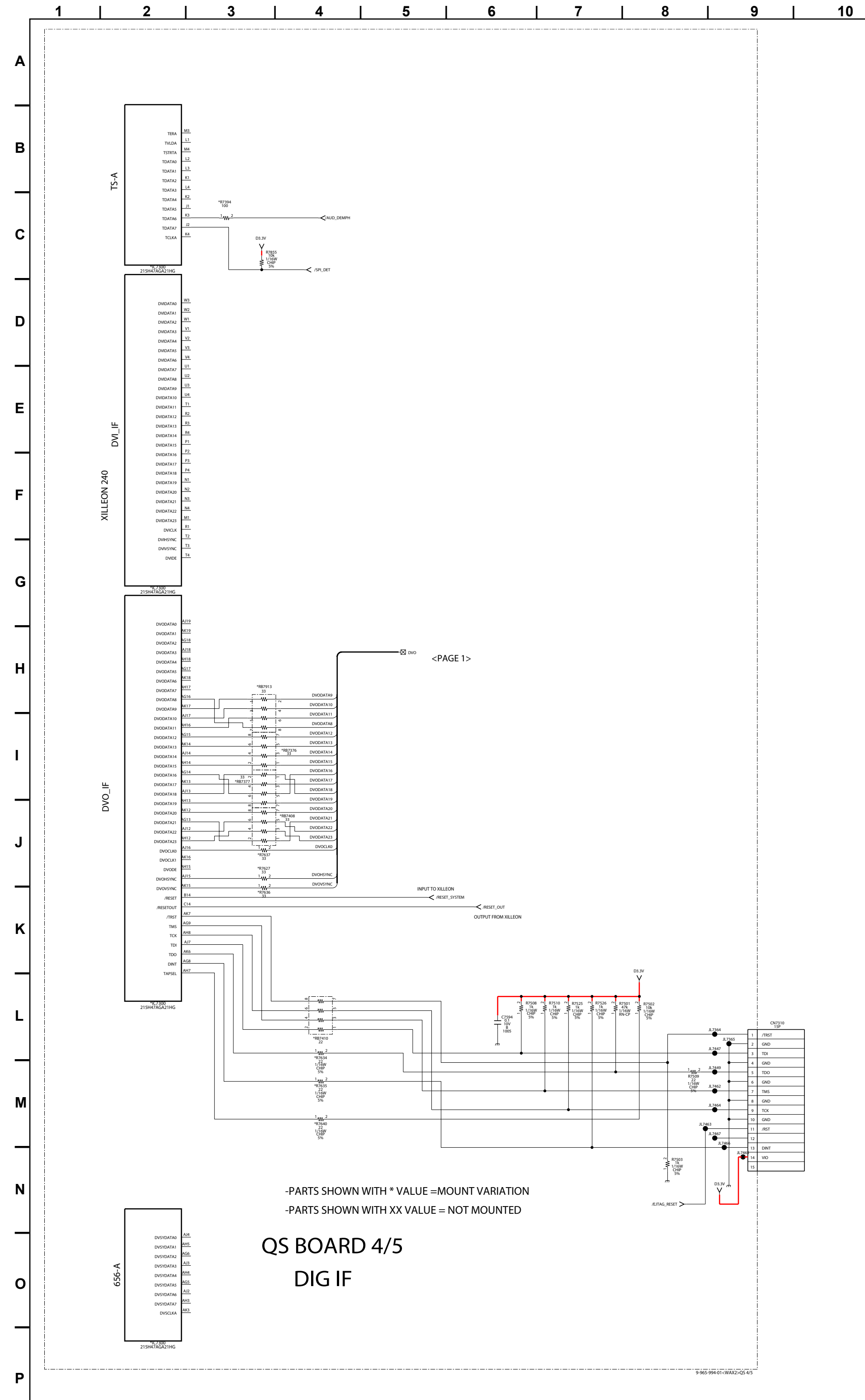
QS BOARD SCHEMATIC DIAGRAM (3 OF 5)



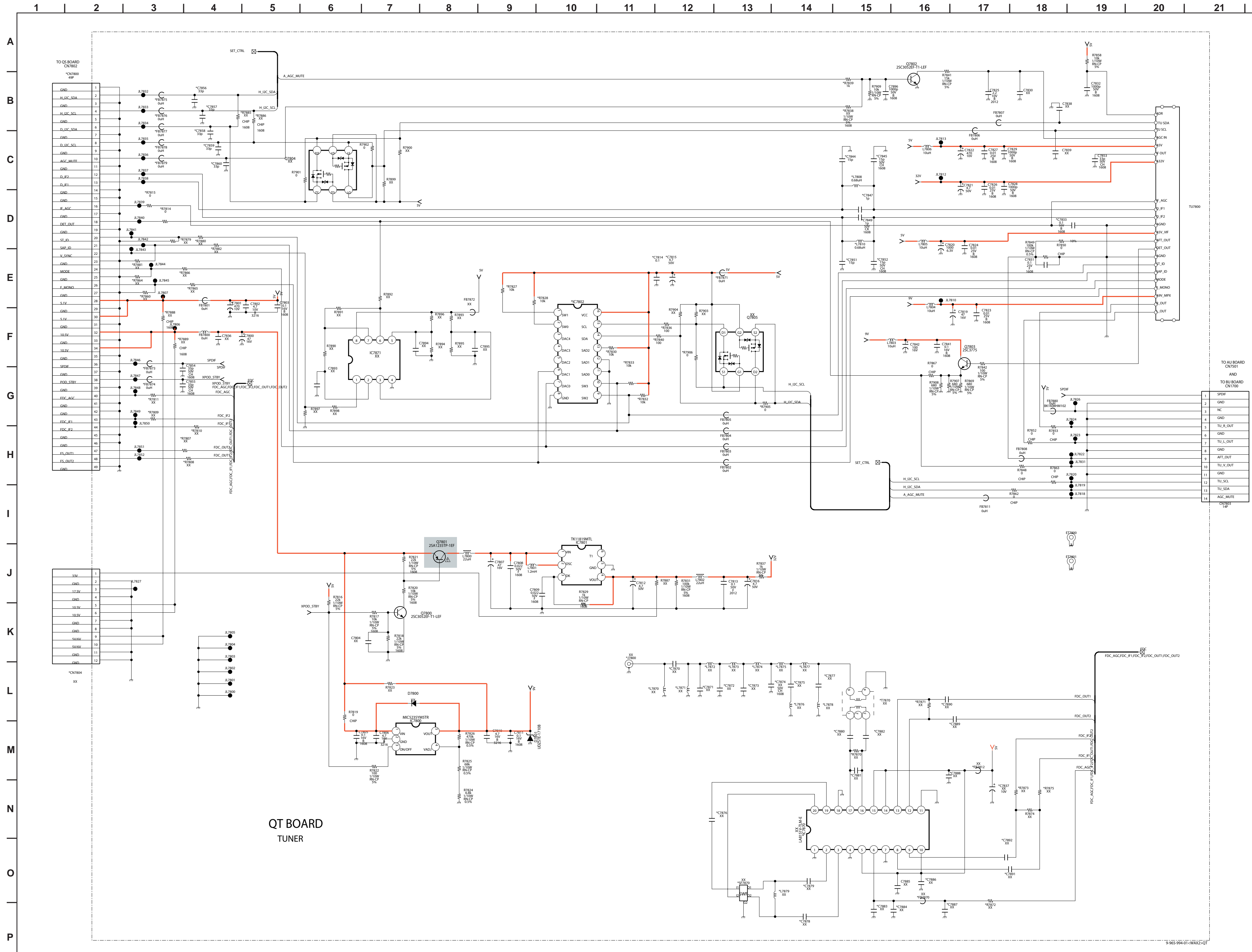
-PARTS SHOWN WITH * VALUE =MOUNT VARIATION
 -PARTS SHOWN WITH XX VALUE = NOT MOUNTED

QS BOARD 3/5
 DDR/FLASH/NVM

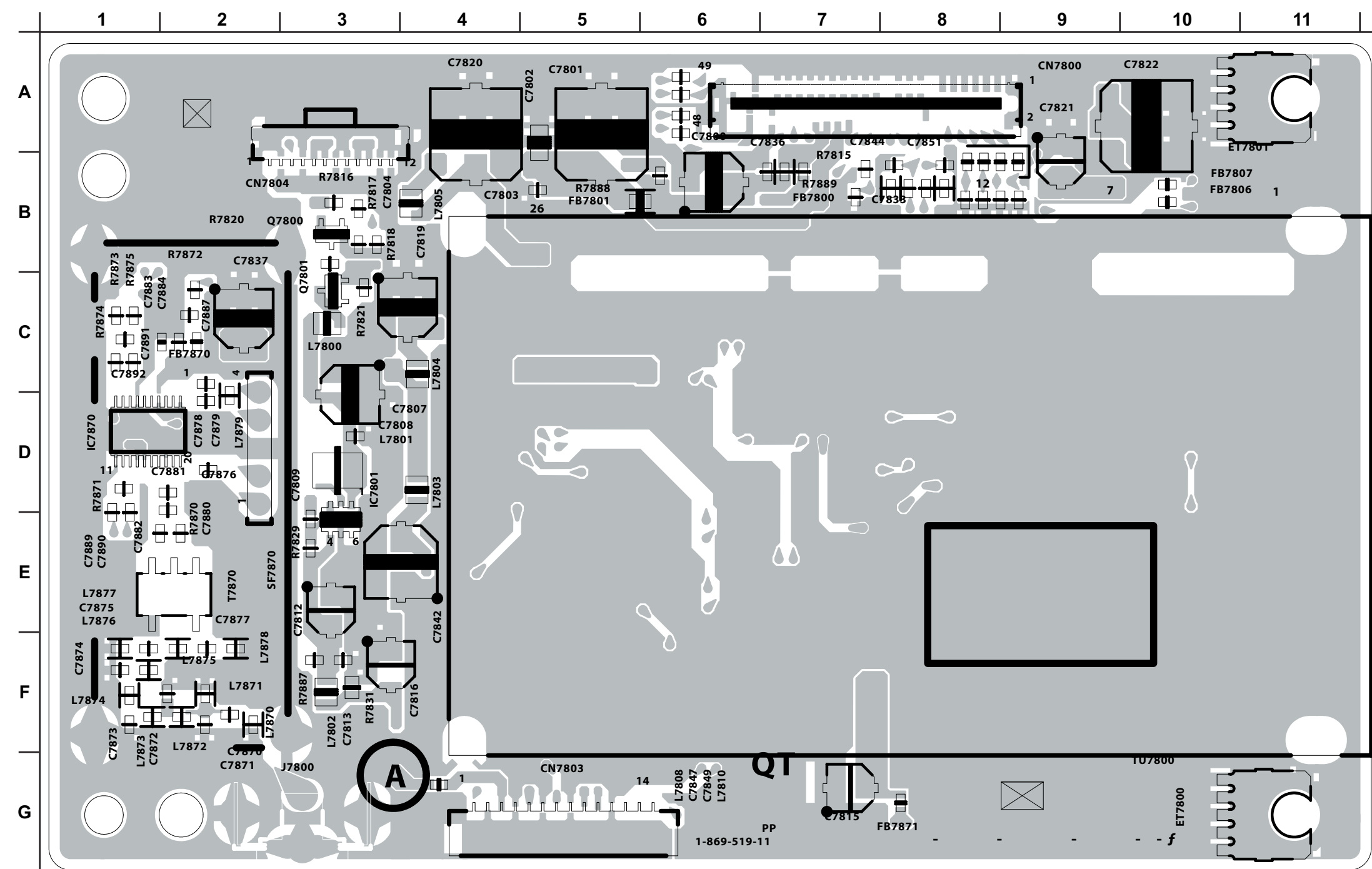
QS BOARD SCHEMATIC DIAGRAM (4 OF 5)



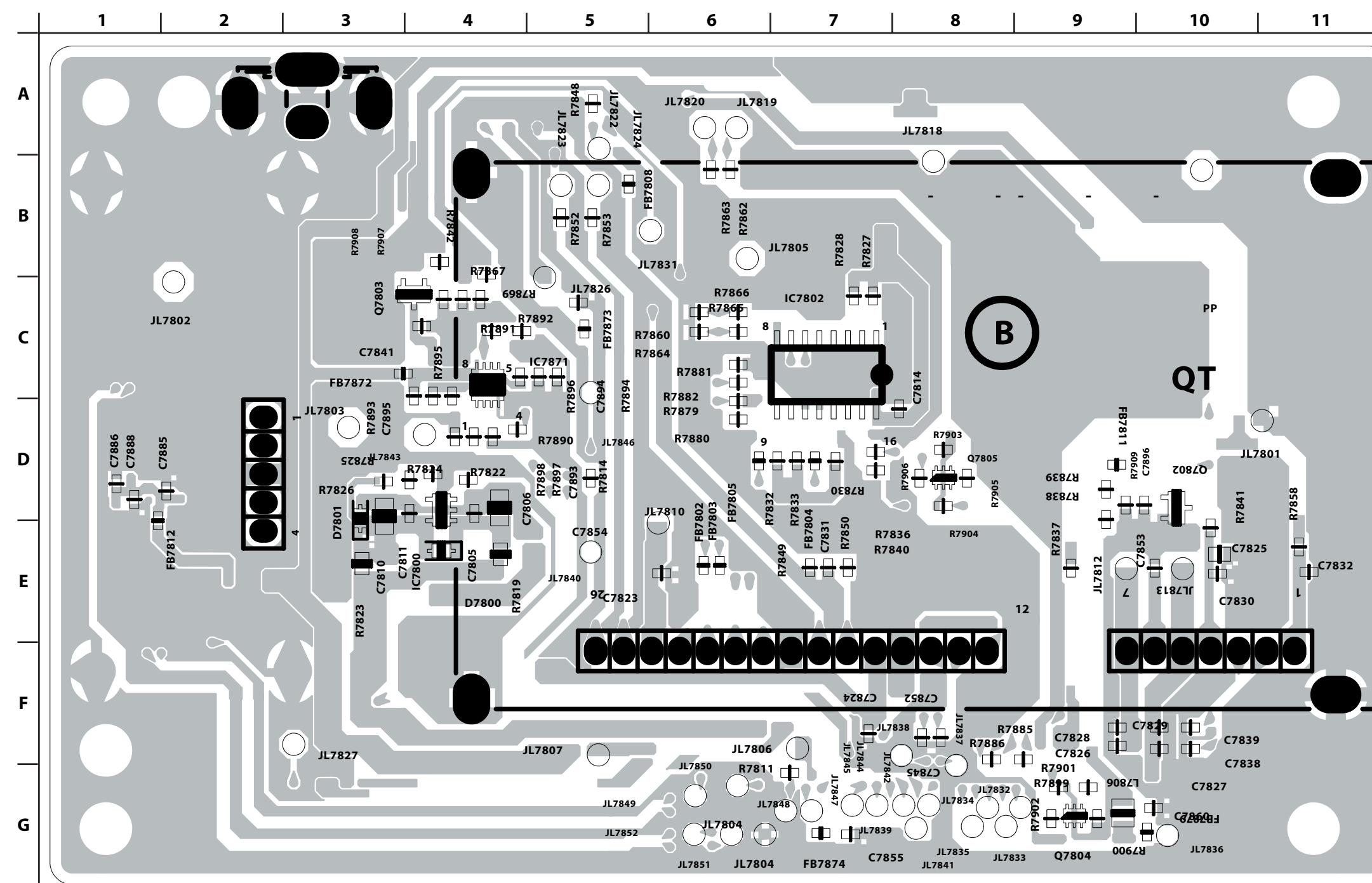
QT BOARD SCHEMATIC DIAGRAM



QT [TUNER]
COMPONENT SIDE



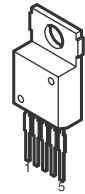
QT [TUNER]
CONDUCTOR SIDE



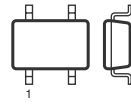
3-5. SEMICONDUCTORS

IC

BA00AST-V5

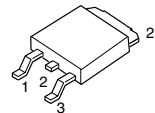


BA05FP-E2
BA09FP-E2
S-1111B33MC-NYSTFG
S-80928CNMC-G8YT2G
TC7SZ125FU(TE85R)

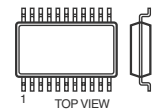


5Pin CHIP

BA18BC0FP-E2
BA25BC0FP-E2

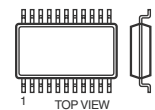


BR24L02F-WE2
CS4335-KSZR
FA5501N-TE1
LM75CIMX-3
M24128-BWMN6T(A)
M24C02-WMN6T(B)
NJM2521V(TE2)
NJM3414AV(TE2)
RC4558DR
RC4558PWR



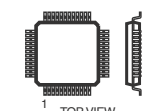
8Pin SOP

CD4052BNSR
FMS6418AM16X



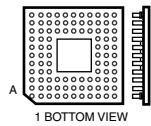
16Pin SOP

CXA2188Q-T4



40Pin QFP

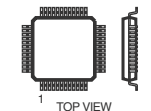
EM6A9320BI-5MG



1 BOTTOM VIEW

144Pin PGA

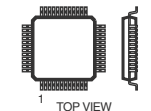
HD6433692A39FXV
HD64F3694FXV-DA4
TPA3004D2PHPR



1 TOP VIEW

48Pin QFP

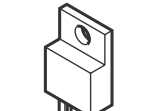
HD64F2378-12681-01



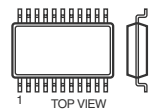
1 TOP VIEW

144Pin QFP

L88M05T-FA-TL



M52347FP-TE

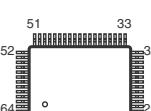


20Pin SOP

MM1431ATT

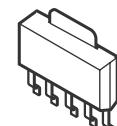


NJW1149AFH1

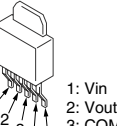


1 TOP VIEW

PQ1CY1032ZP

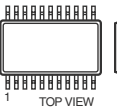


PQ1CZ41H2ZPH



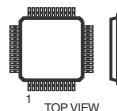
1: Vin
2: Vout
3: COM
4: Oadj
5: ON/OFF

RV5C387A-E2-FB



1 TOP VIEW

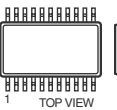
SIH9993CTG100



1 TOP VIEW

100Pin QFP

SN74LV132APWR
SN74LVC14APWR



1 TOP VIEW

14Pin SOP

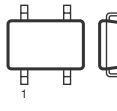
STR-A6169



1 TOP VIEW

8Pin DIP

TK11819MTL

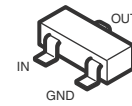


1 TOP VIEW

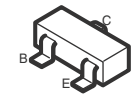
6Pin CHIP

TRANSISTOR

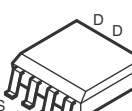
DTC114EU
DTC114EUAFT106



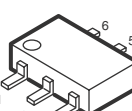
DTC114EUA-T106
DTC115EUA-T106
DTC144WKA-T146
DTC314TK-T-146
DTC323TK
DTC323TKT146
MUN2211T1
MUN2212T1
MUN5213T1
PDTTC114EK-115
UN2211
2PA1576R-115
2PC4081R-115
2PD601AR-115
2SA1037AK-T146-QR
2SA1037AK-T146-R
2SA1576A-T106-QR
2SA1774R
2SA1774TL-QR
2SC1623-L5L6
2SC2412K-T-146-QR
2SC4081-R
2SC4081T106R
2SC4617R
2SC4617TL-QR
2SD2114K
2SD601A-Q-TX



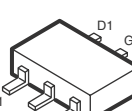
FDS6690A



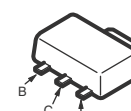
HN1B01FU-TE85R



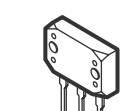
SSM6N15FU(TE85R)



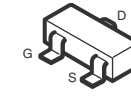
2SB1122-S
2SB1122-ST-TD-E
2SD1621-ST
2SD1621ST-TD-E



2SD2114KT146

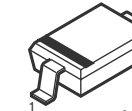


2SK2158-T2B

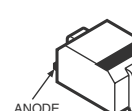


DIODE

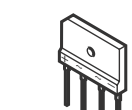
BAS316-115
EP05FA20
MM3Z10VT1
MM3Z11VT1
MM3Z13VT1
MM3Z18VST1
MM3Z22VT1
MM3Z24V4T1
MM3Z5V6ST1
MM3Z6V2ST1
MM3Z6V8ST1
MM3Z8V2ST1



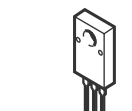
BAT54HT1
DTZ10B
HZU5.6GTRF
MA113-(TX)
MMDL914T1
RD5.6SB-T1
UDZ-TE-17-18B
UDZ-TE-17-6.2B
UDZ-TE-17-6.8B



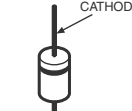
D10SBS4
D10SBS4F
D2SB60A-F04
D4SB60L



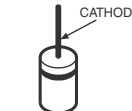
D10SC6M



D1NL40-TA2
D1NL40-TR2
ERA22-08



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



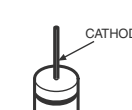
EC10QS-04
EC10QS04-TE12L5



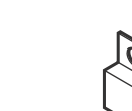
EC21QS03L-TE12L
P6SMBJ30A-5
PTZ-TE25-3.9B



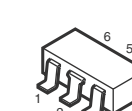
ERA22-08KFLB



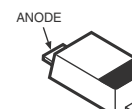
FSF05A60



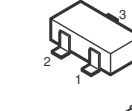
HN1D03FU-TE85L
HN1D03FU-TE85R



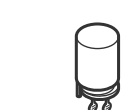
M1FM3



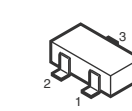
MA132WK
MA132WK-TX
MA151WK-TX
1SS184



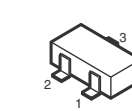
UDZSTE-1710B



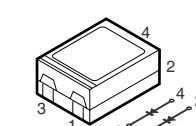
UMZ16NT106



1PS302



SML-020MVT-T86



SML-310LTT86





SECTION 4: EXPLODED VIEWS

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

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

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

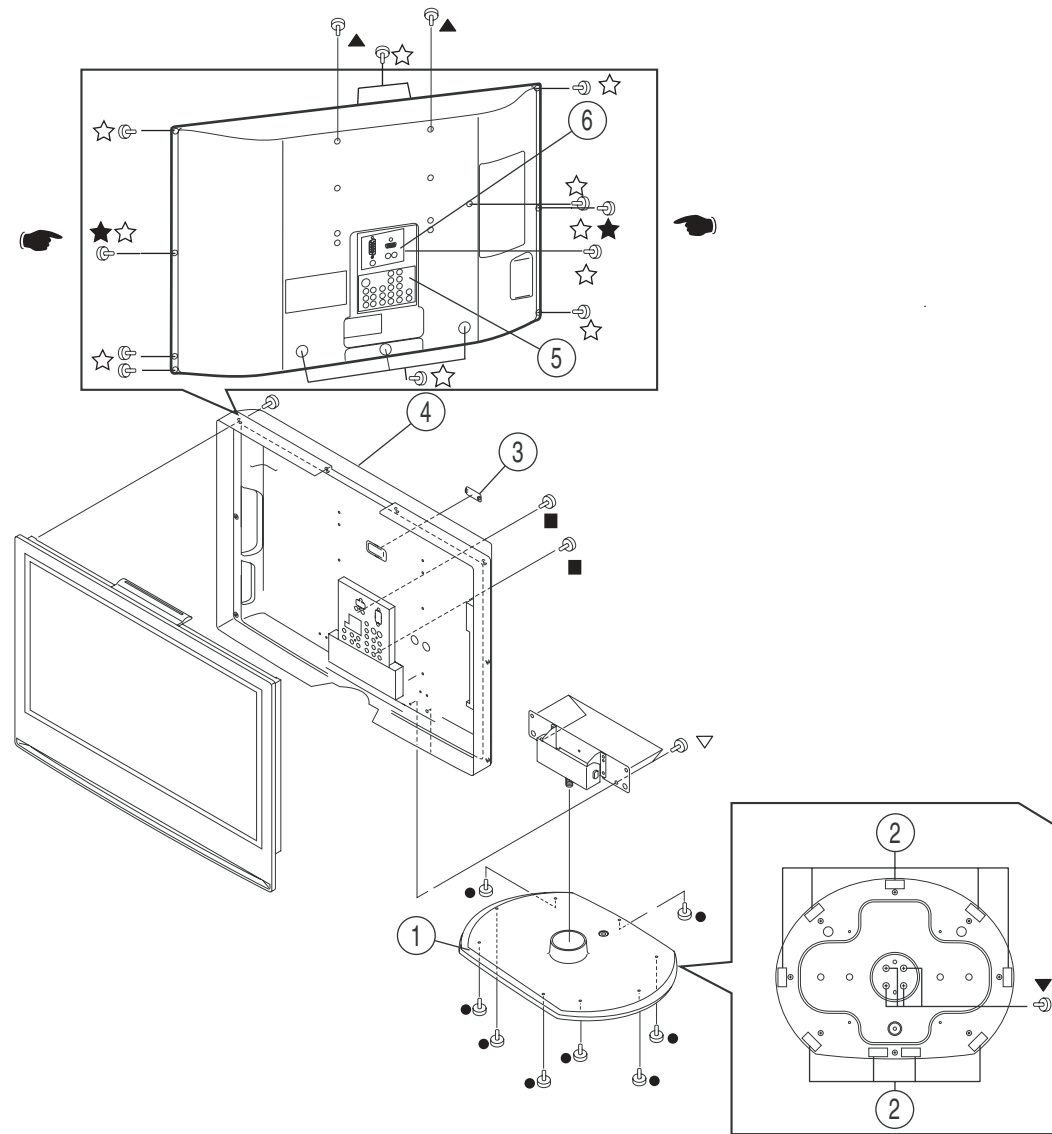
NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

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


(NOTE: Illustrations created based on KDL-26S2000)


4-1. REAR CABINET AND STAND ASSEMBLY

■	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3
☆	2-580-640-01	SCREW, +BVTP2 4X16
●	2-580-644-01	SCREW, +KTP2 3X8 (KDL-26S2000/32S2000 ONLY)
●	2-580-647-01	SCREW, +KTP2 4X12 (KDL-40S2000 ONLY)
▲	2-580-603-01	SCREW, +PSW M4X16 (KDL-26S2000 ONLY)
▲	2-580-611-01	SCREW, +PSW M6X16 (KDL-32S2000/40S2000 ONLY)
▼	2-676-024-01	SCREW,WTP 4X30 (KDL-26S2000/32S2000 ONLY)
★	2-580-639-01	SCREW, +BVTP2 4X12 (KDL-26S2000 ONLY)



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
1	X-2103-366-1	STAND L ASSEMBLY (KDL-40S2000 ONLY)	
1	X-2103-365-2	STAND M ASSEMBLY (KDL-26S2000/32S2000 ONLY)	
2	2-675-191-01	FOOT	
3	2-664-636-01	COVER, ECS	
4	X-2109-586-1	COVER (26), REAR ASSEMBLY (KDL-26S2000 ONLY)	
4	X-2109-791-1	COVER, REAR (32) (KDL-32S2000 ONLY)	
4	X-2109-456-1	REAR COVER ASSEMBLY(40) (KDL-40S2000 ONLY)	
5	2-668-386-03	LABEL, INFORMATION (KDL-26S2000 ONLY)	
*	2-668-386-13	LABEL, INFORMATION (KDL-32S2000 ONLY)	
6	2-668-866-11	LABEL, HDMI	

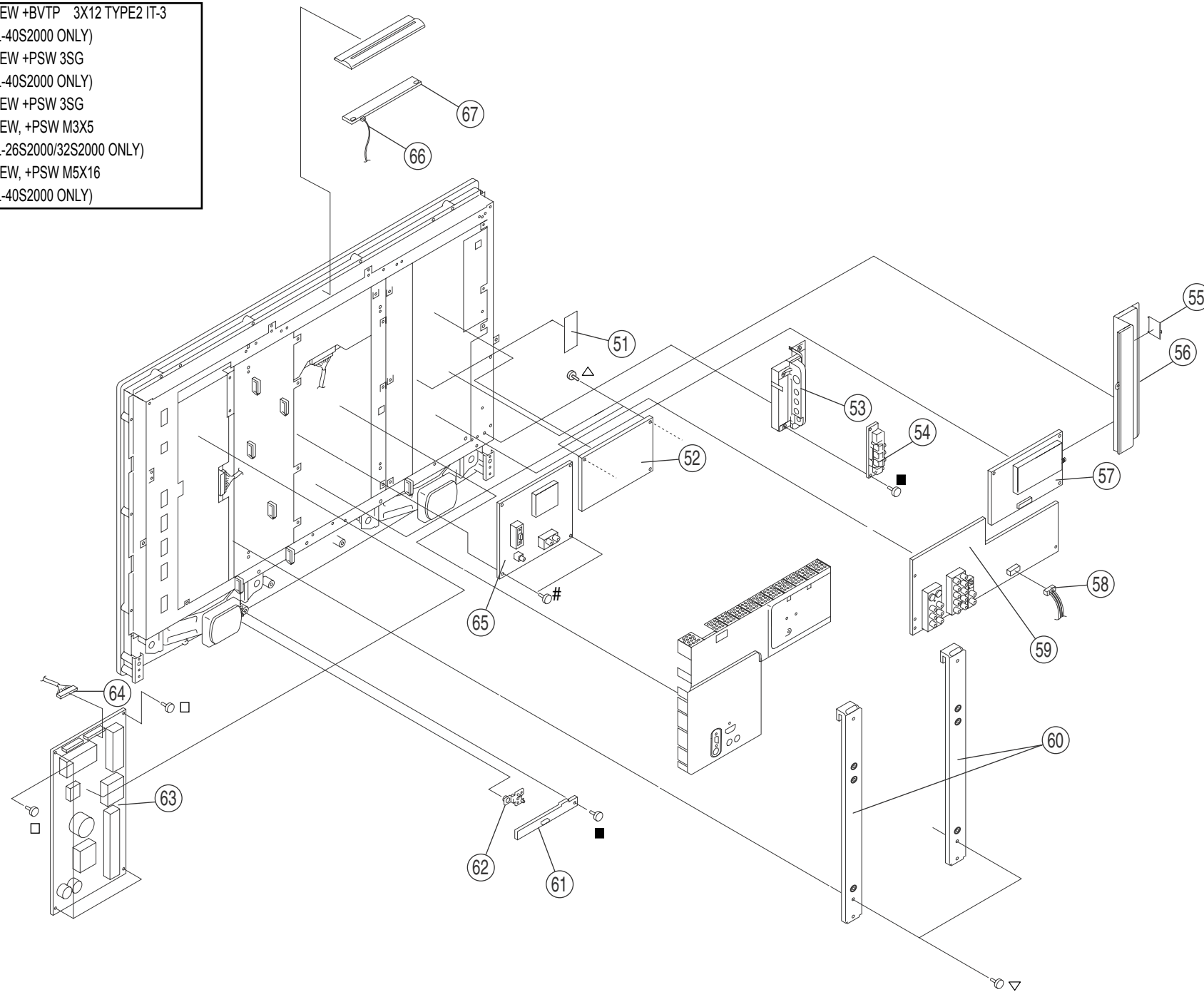
NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.


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: Illustrations created based on KDL-26S2000)


4-2. CHASSIS

■	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3 (KDL-40S2000 ONLY)
□	2-674-965-31	SCREW +PSW 3SG (KDL-40S2000 ONLY)
#	2-674-965-21	SCREW +PSW 3SG
◇	2-580-591-01	SCREW, +PSW M3X5 (KDL-26S2000/32S2000 ONLY)
	2-580-608-01	SCREW, +PSW M5X16 (KDL-40S2000 ONLY)



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
* 51	4-092-814-02	CUSHION D	
52	A-1153-812-B	QS BOARD, COMPLETE	
53	2-663-986-11	HOLDER, SIDE JACK(L)(UC) (KDL-40S2000 ONLY)	
53	2-663-985-11	HOLDER, SIDE JACK(M)(UC) (KDL-26S2000/32S2000 ONLY)	
54	A-1152-234-B	H2U BOARD, MOUNTED	
55	2-667-650-01	COVER, SERVICE	
56	X-2109-054-2	SIDE, TERMINAL (M) ASSEMBLY (KDL-32S2000/40S2000 ONLY)	
56	X-2109-051-2	SIDE, TERMINAL (S) ASSEMBLY (KDL-26S2000 ONLY)	
57	A-1164-341-A	QT BOARD, COMPLETE	
* 58	1-910-024-86	CONNECTOR ASSEMBLY 15P (KDL-26S2000 ONLY)	
* 58	1-910-024-77	CONNECTOR ASSEMBLY 15P (KDL-32S2000 ONLY)	
59	A-1179-055-B	AU BOARD, MOUNTED	
60	X-2109-235-1	BRACKET, VESA (26) ASSEMBLY (KDL-26S2000 ONLY)	
60	X-2109-236-1	BRACKET, VESA (32) ASSEMBLY (KDL-32S2000 ONLY)	
61	A-1172-591-B	H3U BOARD, MOUNTED	
* 62	2-664-630-01	GUIDE, LIGHT SENSOR	
 * 63	1-468-980-11	G1 BOARD, POWER UNIT (KDL-26S2000/32S2000 ONLY)	
* 63	A-1189-958-A	G2 BOARD, COMPLETE (KDL-40S2000 ONLY)	
* 64	1-910-024-90	CONNECTOR ASSEMBLY 12P (KDL-26S2000 ONLY)	
* 64	1-910-024-81	CONNECTOR ASSEMBLY 12P (KDL-32S2000 ONLY)	
65	A-1179-491-A	BU BOARD, MOUNTED (KDL-26S2000 ONLY)	
65	A-1179-492-A	BU BOARD, MOUNTED (KDL-32S2000 ONLY)	
65	A-1179-493-A	BU BOARD, MOUNTED (KDL-40S2000 ONLY)	
* 66	1-910-024-85	CONNECTOR ASSEMBLY 3P (KDL-26S2000 ONLY)	
* 66	1-910-024-76	CONNECTOR ASSEMBLY 3P (KDL-32S2000 ONLY)	
* 66	1-910-024-91	CONNECTOR ASSEMBLY 3P (KDL-40S2000 ONLY)	
67	A-1172-589-B	H1U BOARD, MOUNTED	

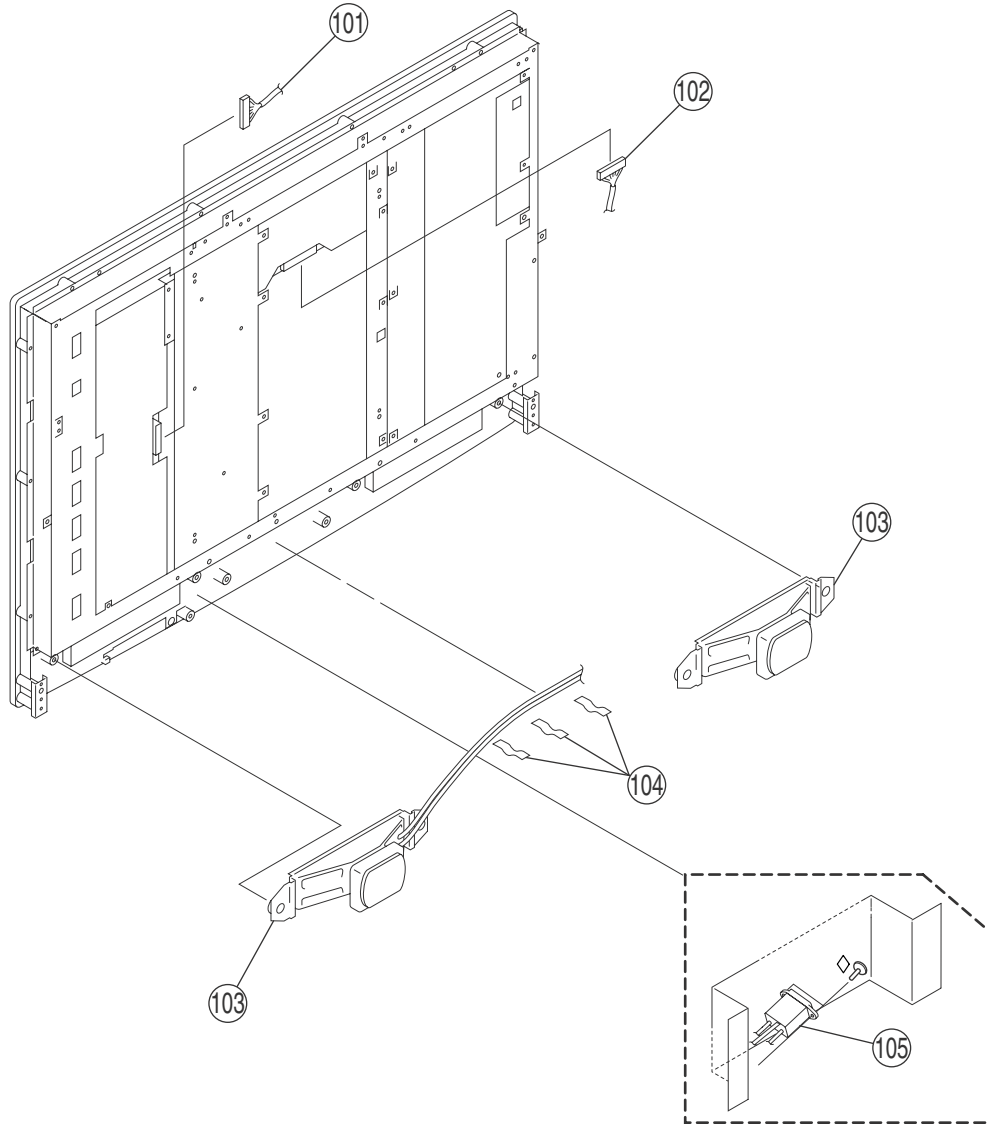
NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.


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: Illustrations created based on KDL-26S2000)


4-3. SPEAKERS

◇ 2-596-649-01 +KTT 3X10 (S TYPE)



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
101	1-832-468-11	HARNESS WITH CONNECTOR (LVDS) (KDL-26S2000 ONLY)		103	1-826-363-11	LOUDSPEAKER (4.2X15CM) (KDL-26S2000/32S2000 ONLY)	
101	1-832-469-11	HARNESS WITH CONNECTOR (LVDS) (KDL-32S2000 ONLY)		103	1-826-362-11	LOUDSPEAKER (5.5X15.5CM) (KDL-40S2000 ONLY)	
101	1-832-470-11	HARNESS WITH CONNECTOR (LVDS) (KDL-40S2000 ONLY)		104	4-660-752-01	TAPE (LCD)	
					105	1-819-729-13	INLET, AC (WITH NOISE FILTER)

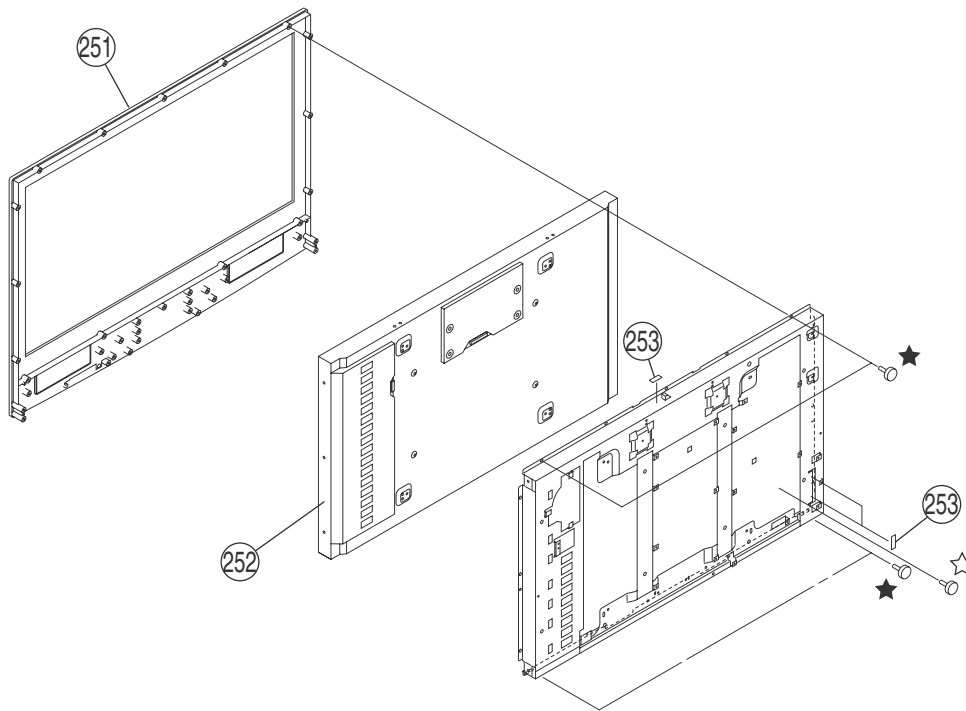
NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

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 spécifique.

(NOTE: Illustrations created based on KDL-26S2000)

4-4. LCD PANEL

☆	2-580-640-01	SCREW, +BVTP2 4X16
★	2-580-600-01	SCREW, +PSW M4X8 (KDL-26S2000/32S2000 ONLY)
★	2-580-606-01	SCREW, +PSW M5X8 (KDL-40S2000 ONLY)



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
251	X-2108-490-1	BEZEL ASSEMBLY (32)		252	1-802-061-11	LCD PANEL (26WXGA+TFT)	
		(KDL-32S2000 ONLY)				(KDL-26S2000 ONLY)	
251	X-2108-494-1	BEZEL ASSEMBLY (40)		252	1-802-060-11	LCD PANEL (32WXGA+TFT)	
		(KDL-40S2000 ONLY)				(KDL-32S2000 ONLY)	
251	X-2108-505-1	BEZEL ASSEMBLY(26)		252	1-802-059-11	LCD PANEL (40WXGA+TFT)	
		(KDL-26S2000 ONLY)				(KDL-40S2000 ONLY)	
				253	4-660-752-01	TAPE (LCD)	

SECTION 5: ELECTRICAL PARTS LIST

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.


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

RESISTORS

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



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

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
						A-1179-055-A AU BOARD, MOUNTED					
						<u>CAPACITOR</u>					
C2013	1-127-715-91	CERAMIC CHIP	0.22 μ F	10%	16V	C6027	1-117-681-11	ELECT CHIP	100 μ F	20%	16V
C2015	1-117-681-11	ELECT CHIP	100 μ F	20%	16V	C7004	1-162-906-11	CERAMIC CHIP	1.5pF	0.25pF	50V
C2016	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V	C7005	1-162-906-11	CERAMIC CHIP	1.5pF	0.25pF	50V
C2017	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V	C7010	1-164-004-11	CERAMIC CHIP	0.1 μ F	10%	25V
C2018	1-127-715-91	CERAMIC CHIP	0.22 μ F	10%	16V	C7011	1-126-396-11	ELECT CHIP	47 μ F	20%	16V
C2019	1-124-779-00	ELECT CHIP	10 μ F	20%	16V	C7014	1-162-962-11	CERAMIC CHIP	470pF	10%	50V
C2020	1-127-715-91	CERAMIC CHIP	0.22 μ F	10%	16V	C7015	1-162-960-11	CERAMIC CHIP	220pF	10%	50V
C2021	1-127-715-91	CERAMIC CHIP	0.22 μ F	10%	16V	C7017	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V
C2023	1-117-681-11	ELECT CHIP	100 μ F	20%	16V	C7018	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V
C2024	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V	C7019	1-126-394-11	ELECT CHIP	10 μ F	20%	16V
C2025	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V	C7020	1-100-566-91	CERAMIC CHIP	0.1 μ F	10%	25V
C2026	1-125-889-91	CERAMIC CHIP	2.2 μ F	10%	10V	C7021	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V
C6001	1-107-826-11	CERAMIC CHIP	0.1 μ F	10%	16V	C7023	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V
C6003	1-117-681-11	ELECT CHIP	100 μ F	20%	16V	C7024	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V
C6005	1-164-227-11	CERAMIC CHIP	0.022 μ F	10%	25V	C7025	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V
C6006	1-107-826-11	CERAMIC CHIP	0.1 μ F	10%	16V	C7027	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V
C6009	1-100-743-91	CERAMIC CHIP	2.2 μ F	20%	16V	C7028	1-126-396-11	ELECT CHIP	47 μ F	20%	16V
C6011	1-107-826-11	CERAMIC CHIP	0.1 μ F	10%	16V	C7029	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V
C6014	1-162-968-11	CERAMIC CHIP	0.0047 μ F	10%	50V	C7030	1-100-566-91	CERAMIC CHIP	0.1 μ F	10%	25V
C6015	1-107-826-11	CERAMIC CHIP	0.1 μ F	10%	16V	C7033	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V
C6016	1-164-227-11	CERAMIC CHIP	0.022 μ F	10%	25V	C7034	1-124-779-00	ELECT CHIP	10 μ F	20%	16V
C6017	1-126-204-11	ELECT CHIP	47 μ F	20%	16V	C7035	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V
C6018	1-100-743-91	CERAMIC CHIP	2.2 μ F	20%	16V	C7036	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V
C6019	1-162-966-11	CERAMIC CHIP	0.0022 μ F	10%	50V	C7037	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V
C6020	1-127-715-91	CERAMIC CHIP	0.22 μ F	10%	16V	C7038	1-126-394-11	ELECT CHIP	10 μ F	20%	16V
C6022	1-127-760-11	CERAMIC CHIP	4.7 μ F	10%	6.3V	C7039	1-100-566-91	CERAMIC CHIP	0.1 μ F	10%	25V
C6023	1-128-995-21	ELECT CHIP	100 μ F	20%	10V	C7040	1-164-004-11	CERAMIC CHIP	0.1 μ F	10%	25V
C6024	1-115-416-11	CERAMIC CHIP	0.001 μ F	5%	25V	C7042	1-162-966-11	CERAMIC CHIP	0.0022 μ F	10%	50V
C6025	1-107-826-11	CERAMIC CHIP	0.1 μ F	10%	16V	C7043	1-107-826-11	CERAMIC CHIP	0.1 μ F	10%	16V
C6026	1-107-826-11	CERAMIC CHIP	0.1 μ F	10%	16V	C7044	1-126-204-11	ELECT CHIP	47 μ F	20%	16V
						C7045	1-162-966-11	CERAMIC CHIP	0.0022 μ F	10%	50V
						C7046	1-162-966-11	CERAMIC CHIP	0.0022 μ F	10%	50V
						C7047	1-162-966-11	CERAMIC CHIP	0.0022 μ F	10%	50V
						C7048	1-162-966-11	CERAMIC CHIP	0.0022 μ F	10%	50V
						C7049	1-162-966-11	CERAMIC CHIP	0.0022 μ F	10%	50V



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
C7050	1-162-966-11	CERAMIC CHIP	0.0022μF 10% 50V	C7114	1-112-800-11	ELECT CHIP	100μF 20% 35V
C7051	1-127-573-11	CERAMIC CHIP	1μF 10% 16V	C7115	1-112-800-11	ELECT CHIP	100μF 20% 35V
C7052	1-127-573-11	CERAMIC CHIP	1μF 10% 16V	C7116	1-112-800-11	ELECT CHIP	100μF 20% 35V
C7053	1-126-394-11	ELECT CHIP	10μF 20% 16V	C7117	1-112-800-11	ELECT CHIP	100μF 20% 35V
C7054	1-126-394-11	ELECT CHIP	10μF 20% 16V	C7118	1-100-912-11	CERAMIC CHIP	1μF 10% 25V
C7055	1-100-566-91	CERAMIC CHIP	0.1μF 10% 25V	C7119	1-100-912-11	CERAMIC CHIP	1μF 10% 25V
C7056	1-162-966-11	CERAMIC CHIP	0.0022μF 10% 50V	C7120	1-100-912-11	CERAMIC CHIP	1μF 10% 25V
C7057	1-126-396-11	ELECT CHIP	47μF 20% 16V	C7121	1-100-912-11	CERAMIC CHIP	1μF 10% 25V
C7060	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V	C7123	1-125-827-91	CERAMIC CHIP	1μF 10% 25V
C7061	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V	C7124	1-125-827-91	CERAMIC CHIP	1μF 10% 25V
C7062	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V	C7125	1-125-827-91	CERAMIC CHIP	1μF 10% 25V
C7063	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V	C7126	1-125-827-91	CERAMIC CHIP	1μF 10% 25V
C7064	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V	C7127	1-100-591-91	CERAMIC CHIP	1μF 10% 25V
C7065	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V	C7128	1-100-591-91	CERAMIC CHIP	1μF 10% 25V
C7072	1-128-536-11	ELECT CHIP	100μF 20% 25V	C7147	1-100-591-91	CERAMIC CHIP	1μF 10% 25V
C7073	1-126-396-11	ELECT CHIP	47μF 20% 16V	C7148	1-107-826-11	CERAMIC CHIP	0.1μF 10% 16V
C7075	1-100-912-11	CERAMIC CHIP	1μF 10% 25V	C7600	1-124-779-00	ELECT CHIP	10μF 20% 16V
C7076	1-100-912-11	CERAMIC CHIP	1μF 10% 25V	C7601	1-107-826-11	CERAMIC CHIP	0.1μF 10% 16V
C7082	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V	C7602	1-107-826-11	CERAMIC CHIP	0.1μF 10% 16V
C7083	1-115-340-11	CERAMIC CHIP	0.22μF 10% 25V	C7603	1-127-573-11	CERAMIC CHIP	1μF 10% 16V
C7086	1-100-912-11	CERAMIC CHIP	1μF 10% 25V	C7604	1-127-573-11	CERAMIC CHIP	1μF 10% 16V
C7087	1-100-912-11	CERAMIC CHIP	1μF 10% 25V	C7605	1-126-204-11	ELECT CHIP	47μF 20% 16V
C7088	1-126-394-11	ELECT CHIP	10μF 20% 16V	C7609	1-126-394-11	ELECT CHIP	10μF 20% 16V
C7089	1-126-394-11	ELECT CHIP	10μF 20% 16V	C7610	1-107-826-11	CERAMIC CHIP	0.1μF 10% 16V
C7090	1-126-394-11	ELECT CHIP	10μF 20% 16V	C7611	1-124-779-00	ELECT CHIP	10μF 20% 16V
C7091	1-126-394-11	ELECT CHIP	10μF 20% 16V	C7612	1-107-826-11	CERAMIC CHIP	0.1μF 10% 16V
C7092	1-162-965-11	CERAMIC CHIP	0.0015μF 10% 50V	C7613	1-124-779-00	ELECT CHIP	10μF 20% 16V
C7093	1-164-217-11	CERAMIC CHIP	150pF 5% 50V	C7614	1-124-779-00	ELECT CHIP	10μF 20% 16V
C7094	1-164-217-11	CERAMIC CHIP	150pF 5% 50V	C7615	1-162-927-11	CERAMIC CHIP	100pF 5% 50V
C7095	1-162-965-11	CERAMIC CHIP	0.0015μF 10% 50V	C7616	1-162-927-11	CERAMIC CHIP	100pF 5% 50V
C7096	1-162-965-11	CERAMIC CHIP	0.0015μF 10% 50V	C7617	1-126-396-11	ELECT CHIP	47μF 20% 16V
C7097	1-164-217-11	CERAMIC CHIP	150pF 5% 50V	C7618	1-126-396-11	ELECT CHIP	47μF 20% 16V
C7098	1-164-217-11	CERAMIC CHIP	150pF 5% 50V	C7619	1-100-597-91	CERAMIC CHIP	0.1μF 10% 25V
C7099	1-162-965-11	CERAMIC CHIP	0.0015μF 10% 50V	C9005	1-127-573-11	CERAMIC CHIP	1μF 10% 16V
C7100	1-164-004-11	CERAMIC CHIP	0.1μF 10% 25V	C9006	1-127-573-11	CERAMIC CHIP	1μF 10% 16V
C7101	1-164-004-11	CERAMIC CHIP	0.1μF 10% 25V	C9007	1-127-573-11	CERAMIC CHIP	1μF 10% 16V
C7102	1-164-004-11	CERAMIC CHIP	0.1μF 10% 25V	C9008	1-127-573-11	CERAMIC CHIP	1μF 10% 16V
C7103	1-164-004-11	CERAMIC CHIP	0.1μF 10% 25V	C9014	1-127-573-11	CERAMIC CHIP	1μF 10% 16V
C7104	1-164-004-11	CERAMIC CHIP	0.1μF 10% 25V	C9015	1-127-573-11	CERAMIC CHIP	1μF 10% 16V
C7105	1-164-004-11	CERAMIC CHIP	0.1μF 10% 25V	C9016	1-125-891-11	CERAMIC CHIP	0.47μF 10% 10V
C7106	1-164-004-11	CERAMIC CHIP	0.1μF 10% 25V	C9019	1-125-889-91	CERAMIC CHIP	2.2μF 10% 10V
C7107	1-164-004-11	CERAMIC CHIP	0.1μF 10% 25V	C9020	1-125-889-91	CERAMIC CHIP	2.2μF 10% 10V
C7108	1-164-004-11	CERAMIC CHIP	0.1μF 10% 25V	C9021	1-125-889-91	CERAMIC CHIP	2.2μF 10% 10V
C7113	1-112-797-11	ELECT CHIP	470μF 20% 25V	C9022	1-125-889-91	CERAMIC CHIP	2.2μF 10% 10V



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
C9023	1-127-573-11	CERAMIC CHIP	1μF 10% 16V	D9016	8-719-977-28	DIODE	DTZ10B
C9024	1-127-573-11	CERAMIC CHIP	1μF 10% 16V	D9017	8-719-977-28	DIODE	DTZ10B
C9032	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V	D9018	8-719-977-28	DIODE	DTZ10B
C9501	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V				
C9502	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V				
		CONNECTOR				FERRITE BEAD	
CN7001	1-780-148-11	CLIP, SHIELD		FB7000	1-400-089-21	FERRITE	0μH
CN7002	1-780-148-11	CLIP, SHIELD		FB7001	1-400-089-21	FERRITE	0μH
CN7501	1-820-184-11	HEADER ASSEMBLY (PRINT PWB)		FB7002	1-400-089-21	FERRITE	0μH
CN7502	1-820-185-11	HEADER ASSEMBLY (PRINT PWB)		FB7003	1-400-089-21	FERRITE	0μH
CN7503	1-820-211-11	HEADER ASSEMBLY FOR PWB		FB7004	1-400-040-22	FERRITE	0μH
CN9001	1-820-192-11	HEADER ASSEMBLY (PRINT PWB) 15P		FB7005	1-400-040-22	FERRITE	0μH
CN9501	1-819-390-51	FFC/FPC CONNECTOR (ZIF) 49P		FB7006	1-400-040-22	FERRITE	0μH
CN9502	1-820-186-11	HEADER ASSEMBLY (PRINT PWB)		FB7007	1-400-040-22	FERRITE	0μH
CN9521	1-780-336-11	EARTH TERMINAL		FB7008	1-400-040-22	FERRITE	0μH
CN9522	1-780-336-11	EARTH TERMINAL		FB9003	1-216-864-11	SHORT CHIP	
CN9523	1-780-336-11	EARTH TERMINAL				IC	
		DIODE		IC2001	8-752-089-33	IC	CXA2069Q-TL
D6001	8-719-058-24	DIODE	RB501V-40TE-17	IC7001	6-709-040-01	IC	MAP4400A-QA-B2-501
D7001	6-500-551-01	DIODE	MM3Z11VT1	IC7003	8-759-278-58	IC	NJM4558V-TE2
D7004	8-719-050-37	DIODE	M1MA152WA-T1	IC7007	6-709-285-01	IC	M61571AFP-DF0T
D7005	8-719-081-97	DIODE	MMDL914T1	IC7601	8-759-278-58	IC	NJM4558V-TE2
D7006	8-719-081-97	DIODE	MMDL914T1	IC7602	8-759-359-49	IC	NJM3414AV(TE2)
						JACK	
D7007	8-719-081-97	DIODE	MMDL914T1	J9001	1-780-271-11	S CONNECTOR BLOCK	
D7009	6-500-884-01	DIODE	P6SMBJ30A-5	J9002	1-819-357-11	PHONO JACK	10P
D7010	6-500-884-01	DIODE	P6SMBJ30A-5	J9003	1-780-373-11	TERMINAL BOARD	
D7011	6-500-884-01	DIODE	P6SMBJ30A-5				
D7012	6-500-884-01	DIODE	P6SMBJ30A-5			COIL	
D7013	8-719-081-97	DIODE	MMDL914T1	L2002	1-469-557-21	INDUCTOR	22μH
D7602	8-719-050-37	DIODE	M1MA152WA-T1	L2003	1-469-555-21	INDUCTOR	10μH
D7603	8-719-050-37	DIODE	M1MA152WA-T1	L6001	1-469-555-21	INDUCTOR	10μH
D7604	8-719-081-97	DIODE	MMDL914T1	L7002	1-400-794-21	FERRITE	0μH
D7605	8-719-081-97	DIODE	MMDL914T1	L7004	1-400-794-21	FERRITE	0μH
D9001	8-719-977-28	DIODE	DTZ10B	L7005	1-469-555-21	INDUCTOR	10μH
D9002	8-719-977-28	DIODE	DTZ10B	L7006	1-400-794-21	FERRITE	0μH
D9003	8-719-977-28	DIODE	DTZ10B	L7007	1-469-555-21	INDUCTOR	10μH
D9004	8-719-977-28	DIODE	DTZ10B	L7008	1-481-083-11	INDUCTOR	22μH
D9008	8-719-977-28	DIODE	DTZ10B	L7009	1-457-106-11	INDUCTOR	10μH
D9009	8-719-977-28	DIODE	DTZ10B	L7010	1-457-106-11	INDUCTOR	10μH
D9012	8-719-977-28	DIODE	DTZ10B	L7011	1-400-794-21	FERRITE	0μH
D9013	8-719-977-28	DIODE	DTZ10B	L7012	1-400-794-21	FERRITE	0μH
D9014	8-719-977-28	DIODE	DTZ10B	L7013	1-400-794-21	FERRITE	0μH
D9015	8-719-977-28	DIODE	DTZ10B	L9503	1-400-178-21	INDUCTOR	0μH



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

NOTE: Les composants identifiés par un trame et une marque Δ 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
L9504	1-400-178-21	INDUCTOR	0 μ H	Q7610	8-729-120-28	TRANSISTOR	2SC1623-L5L6
L9505	1-400-178-21	INDUCTOR	0 μ H	Q7611	8-729-029-14	TRANSISTOR	DTC144EUA-T106
IC LINK				RESISTOR			
Δ PS7001	1-576-958-21	FUSE	4A 24V	R2006	1-216-809-11	METAL CHIP	100 5% 1/10W
TRANSISTOR				R2007	1-216-809-11	METAL CHIP	100 5% 1/10W
Q2001	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2014	1-216-864-11	SHORT CHIP	
Q2002	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2015	1-216-864-11	SHORT CHIP	
Q6001	8-729-600-22	TRANSISTOR	2SA1235-F	R2017	1-216-864-11	SHORT CHIP	
Q6002	8-729-600-22	TRANSISTOR	2SA1235-F	R2019	1-216-809-11	METAL CHIP	100 5% 1/10W
Q6004	8-729-600-22	TRANSISTOR	2SA1235-F	R2020	1-216-809-11	METAL CHIP	100 5% 1/10W
Q6005	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2023	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q6007	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2024	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q6008	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2027	1-216-864-11	SHORT CHIP	
Q6009	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2028	1-216-864-11	SHORT CHIP	
Q6011	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2030	1-216-809-11	METAL CHIP	100 5% 1/10W
Q6012	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2033	1-216-864-11	SHORT CHIP	
Q6013	8-729-600-22	TRANSISTOR	2SA1235-F	R2034	1-216-864-11	SHORT CHIP	
Q7002	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2037	1-216-817-11	METAL CHIP	470 5% 1/10W
Q7005	8-729-600-22	TRANSISTOR	2SA1235-F	R2038	1-216-817-11	METAL CHIP	470 5% 1/10W
Q7007	8-729-029-14	TRANSISTOR	DTC144EUA-T106	R2039	1-216-864-11	SHORT CHIP	
Q7008	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R6001	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q7009	8-729-600-22	TRANSISTOR	2SA1235-F	R6002	1-216-809-11	METAL CHIP	100 5% 1/10W
Q7010	8-729-029-14	TRANSISTOR	DTC144EUA-T106	R6003	1-216-864-11	SHORT CHIP	
Q7011	8-729-029-14	TRANSISTOR	DTC144EUA-T106	R6004	1-218-855-11	METAL CHIP	2.2K 0.50% 1/10W
Q7012	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16	R6007	1-218-887-11	METAL CHIP	47K 0.50% 1/10W
Q7013	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16	R6008	1-218-879-11	METAL CHIP	22K 0.50% 1/10W
Q7014	8-729-600-22	TRANSISTOR	2SA1235-F	R6009	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
Q7015	8-729-600-22	TRANSISTOR	2SA1235-F	R6012	1-216-817-11	METAL CHIP	470 5% 1/10W
Q7016	8-729-600-22	TRANSISTOR	2SA1235-F	R6013	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q7017	8-729-600-22	TRANSISTOR	2SA1235-F	R6014	1-218-889-11	METAL CHIP	56K 0.50% 1/10W
Q7018	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R6017	1-216-857-11	METAL CHIP	1M 5% 1/10W
Q7019	8-729-029-14	TRANSISTOR	DTC144EUA-T106	R6020	1-218-871-11	METAL CHIP	10K 0.50% 1/10W
Q7020	8-729-029-14	TRANSISTOR	DTC144EUA-T106	R6021	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
Q7021	8-729-028-96	TRANSISTOR	DTC114EUA-T106	R6023	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q7602	8-729-600-22	TRANSISTOR	2SA1235-F	R6025	1-218-857-11	METAL CHIP	2.7K 0.50% 1/10W
Q7603	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16	R6026	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q7604	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16	R6028	1-218-861-11	METAL CHIP	3.9K 0.50% 1/10W
Q7605	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R6029	1-218-861-11	METAL CHIP	3.9K 0.50% 1/10W
Q7606	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16	R6030	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
Q7607	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16	R6032	1-216-857-11	METAL CHIP	1M 5% 1/10W
Q7608	8-729-029-14	TRANSISTOR	DTC144EUA-T106	R6033	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
Q7609	8-729-600-22	TRANSISTOR	2SA1235-F	R6034	1-216-864-11	SHORT CHIP	
				R6037	1-216-821-11	METAL CHIP	1K 5% 1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R6039	1-216-815-11	METAL CHIP	330	5%	1/10W	R7111	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6040	1-216-864-11	SHORT CHIP				R7112	1-216-864-11	SHORT CHIP			
R6051	1-216-857-11	METAL CHIP	1M	5%	1/10W	R7113	1-218-887-11	METAL CHIP	47K	0.50%	1/10W
R6052	1-216-809-11	METAL CHIP	100	5%	1/10W	R7114	1-218-855-11	METAL CHIP	2.2K	0.50%	1/10W
R7004	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7115	1-218-887-11	METAL CHIP	47K	0.50%	1/10W
R7011	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7116	1-218-855-11	METAL CHIP	2.2K	0.50%	1/10W
R7012	1-216-864-11	SHORT CHIP				R7117	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7014	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7118	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R7015	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7119	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R7017	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7120	1-216-864-11	SHORT CHIP			
R7018	1-216-864-11	SHORT CHIP				R7122	1-216-864-11	SHORT CHIP			
R7019	1-216-864-11	SHORT CHIP				R7124	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R7020	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7125	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R7025	1-216-864-11	SHORT CHIP				R7126	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R7031	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R7127	1-218-877-11	METAL CHIP	18K	0.50%	1/10W
R7032	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R7128	1-218-901-11	METAL CHIP	180K	0.50%	1/10W
R7033	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R7129	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R7034	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R7130	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R7035	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7131	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R7037	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7132	1-218-895-11	METAL CHIP	100K	0.50%	1/10W
R7039	1-218-873-11	METAL CHIP	12K	0.50%	1/10W	R7133	1-218-895-11	METAL CHIP	100K	0.50%	1/10W
R7040	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R7134	1-216-296-11	SHORT CHIP			
R7041	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7135	1-216-296-11	SHORT CHIP			
R7045	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7136	1-216-296-11	SHORT CHIP			
R7047	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7137	1-216-296-11	SHORT CHIP			
R7049	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7142	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7050	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R7143	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7054	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7144	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7055	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7145	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7056	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R7146	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7057	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R7147	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7059	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R7152	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7061	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R7153	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7062	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W	R7154	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7063	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W	R7155	1-216-864-11	SHORT CHIP			
R7064	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R7156	1-216-841-11	METAL CHIP	47K	5%	1/10W
R7066	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W	R7158	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7067	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7501	1-414-445-11	FERRITE	0μH		
R7087	1-216-857-11	METAL CHIP	1M	5%	1/10W	R7503	1-216-864-11	SHORT CHIP			
R7088	1-216-837-11	METAL CHIP	22K	5%	1/10W	R7504	1-216-864-11	SHORT CHIP			
R7093	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7600	1-216-864-11	SHORT CHIP			
R7101	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7601	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R7102	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7602	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R7103	1-218-865-11	METAL CHIP	5.6K	0.50%	1/10W	R7603	1-218-873-11	METAL CHIP	12K	0.50%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R7604	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R7683	1-216-864-11	SHORT CHIP			
R7605	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7684	1-216-864-11	SHORT CHIP			
R7606	1-216-841-11	METAL CHIP	47K	5%	1/10W	R9004	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7614	1-216-833-11	METAL CHIP	10K	5%	1/10W	R9005	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7615	1-218-873-11	METAL CHIP	12K	0.50%	1/10W	R9006	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7620	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R9007	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7621	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R9008	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7622	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R9009	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7623	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R9010	1-216-864-11	SHORT CHIP			
R7626	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9011	1-216-864-11	SHORT CHIP			
R7627	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9012	1-216-864-11	SHORT CHIP			
R7628	1-216-844-11	METAL CHIP	82K	5%	1/10W	R9013	1-216-864-11	SHORT CHIP			
R7629	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R9014	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7630	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R9015	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7631	1-216-844-11	METAL CHIP	82K	5%	1/10W	R9016	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7632	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R9017	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7633	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R9018	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7634	1-218-855-11	METAL CHIP	2.2K	0.50%	1/10W	R9019	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7635	1-218-855-11	METAL CHIP	2.2K	0.50%	1/10W	R9020	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7636	1-216-837-11	METAL CHIP	22K	5%	1/10W	R9021	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7637	1-216-857-11	METAL CHIP	1M	5%	1/10W	R9022	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7639	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9023	1-216-864-11	SHORT CHIP			
R7641	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R9024	1-216-864-11	SHORT CHIP			
R7642	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R9025	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7643	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9026	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7644	1-216-813-11	METAL CHIP	220	5%	1/10W	R9027	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7646	1-216-813-11	METAL CHIP	220	5%	1/10W	R9028	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7650	1-216-841-11	METAL CHIP	47K	5%	1/10W	R9029	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7651	1-216-864-11	SHORT CHIP				R9030	1-216-864-11	SHORT CHIP			
R7652	1-216-864-11	SHORT CHIP				R9031	1-216-864-11	SHORT CHIP			
R7653	1-216-864-11	SHORT CHIP				R9032	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7654	1-216-841-11	METAL CHIP	47K	5%	1/10W	R9033	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R9034	1-216-801-11	METAL CHIP	22	5%	1/10W
R7656	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R9035	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7657	1-216-837-11	METAL CHIP	22K	5%	1/10W	R9036	1-216-801-11	METAL CHIP	22	5%	1/10W
R7658	1-216-857-11	METAL CHIP	1M	5%	1/10W	R9037	1-216-801-11	METAL CHIP	22	5%	1/10W
R7659	1-216-833-11	METAL CHIP	10K	5%	1/10W	R9038	1-216-801-11	METAL CHIP	22	5%	1/10W
R7660	1-216-841-11	METAL CHIP	47K	5%	1/10W	R9039	1-218-285-11	METAL CHIP	75	5%	1/10W
R7661	1-216-864-11	SHORT CHIP				R9040	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7662	1-216-841-11	METAL CHIP	47K	5%	1/10W	R9041	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7663	1-216-833-11	METAL CHIP	10K	5%	1/10W	R9042	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7676	1-216-864-11	SHORT CHIP				R9043	1-216-801-11	METAL CHIP	22	5%	1/10W
R7679	1-216-864-11	SHORT CHIP				R9044	1-216-801-11	METAL CHIP	22	5%	1/10W
R7682	1-216-864-11	SHORT CHIP				R9045	1-216-864-11	SHORT CHIP			



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R9046	1-216-864-11	SHORT CHIP				VARISTOR					
R9057	1-216-809-11	METAL CHIP	100	5%	1/10W	VD9001	8-719-977-28	DIODE			DTZ10B
R9058	1-216-809-11	METAL CHIP	100	5%	1/10W	VD9002	8-719-977-28	DIODE			DTZ10B
R9059	1-216-821-11	METAL CHIP	1K	5%	1/10W	VD9003	8-719-977-28	DIODE			DTZ10B
R9060	1-216-821-11	METAL CHIP	1K	5%	1/10W	VD9004	8-719-977-28	DIODE			DTZ10B
R9061	1-216-809-11	METAL CHIP	100	5%	1/10W	VD9005	8-719-977-28	DIODE			DTZ10B
R9062	1-218-831-11	METAL CHIP	220	0.50%	1/10W	VD9006	8-719-977-28	DIODE			DTZ10B
R9063	1-218-831-11	METAL CHIP	220	0.50%	1/10W	VD9007	8-719-977-28	DIODE			DTZ10B
R9064	1-218-831-11	METAL CHIP	220	0.50%	1/10W	VD9008	8-719-977-28	DIODE			DTZ10B
R9065	1-218-831-11	METAL CHIP	220	0.50%	1/10W	VD9009	8-719-977-28	DIODE			DTZ10B
R9066	1-218-831-11	METAL CHIP	220	0.50%	1/10W	VD9010	8-719-977-28	DIODE			DTZ10B
R9067	1-218-831-11	METAL CHIP	220	0.50%	1/10W	VD9011	8-719-977-28	DIODE			DTZ10B
R9068	1-218-831-11	METAL CHIP	220	0.50%	1/10W	VD9012	8-719-977-28	DIODE			DTZ10B
R9069	1-218-831-11	METAL CHIP	220	0.50%	1/10W	VD9025	1-802-082-11	VARISTOR			(SMD)
R9070	1-218-831-11	METAL CHIP	220	0.50%	1/10W	VD9026	1-802-082-11	VARISTOR			(SMD)
R9078	1-216-809-11	METAL CHIP	100	5%	1/10W	VD9303	1-802-082-11	VARISTOR			(SMD)
R9086	1-216-864-11	SHORT CHIP				VD9304	1-802-082-11	VARISTOR			(SMD)
R9088	1-216-849-11	METAL CHIP	220K	5%	1/10W	VD9305	1-802-082-11	VARISTOR			(SMD)
R9089	1-216-849-11	METAL CHIP	220K	5%	1/10W	CRYSTAL					
R9095	1-216-821-11	METAL CHIP	1K	5%	1/10W	X7000	1-795-612-11	VIBRATOR, CRYSTAL			
R9096	1-216-821-11	METAL CHIP	1K	5%	1/10W	A5001	1-694-974-21	CONTACT TERMINAL			
R9097	1-216-821-11	METAL CHIP	1K	5%	1/10W	BU					
R9098	1-216-821-11	METAL CHIP	1K	5%	1/10W	A-1179-491-A BU BOARD, MOUNTED (KDL-26S2000 ONLY)					
R9099	1-216-821-11	METAL CHIP	1K	5%	1/10W	A-1179-492-A BU BOARD, MOUNTED (KDL-32S2000 ONLY)					
R9100	1-216-821-11	METAL CHIP	1K	5%	1/10W	A-1179-493-A BU BOARD, MOUNTED (KDL-40S2000 ONLY)					
R9101	1-216-821-11	METAL CHIP	1K	5%	1/10W	CAPACITOR					
R9102	1-216-821-11	METAL CHIP	1K	5%	1/10W	C1003	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
R9150	1-216-864-11	SHORT CHIP				C1004	1-162-974-11	CERAMIC CHIP	0.01μF		50V
R9151	1-216-864-11	SHORT CHIP				C1005	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
R9152	1-216-864-11	SHORT CHIP				C1006	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
R9153	1-216-864-11	SHORT CHIP				C1007	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
R9154	1-216-864-11	SHORT CHIP				C1010	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
R9155	1-216-864-11	SHORT CHIP				C1011	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
R9156	1-216-864-11	SHORT CHIP				C1012	1-100-591-91	CERAMIC CHIP	1μF	10%	25V
R9157	1-216-864-11	SHORT CHIP				C1015	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
R9158	1-216-864-11	SHORT CHIP				C1016	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
R9333	1-216-864-11	SHORT CHIP				C1017	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
R9334	1-216-864-11	SHORT CHIP				C1018	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
R9501	1-216-864-11	SHORT CHIP				C1019	1-162-912-11	CERAMIC CHIP	7pF	0.50pF	50V
R9502	1-216-864-11	SHORT CHIP									
R9506	1-218-885-11	METAL CHIP	39K	0.50%	1/10W						
R9542	1-216-864-11	SHORT CHIP									



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C1022	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C1093	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1023	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C1094	1-117-681-11	ELECT CHIP	100μF	20%	16V
C1024	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C1100	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C1027	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C1110	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V
C1029	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C1701	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C1033	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C4700	1-117-681-11	ELECT CHIP	100μF	20%	16V
C1035	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C4701	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C1036	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C4702	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C1044	1-100-591-91	CERAMIC CHIP	1μF	10%	25V	C5000	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1046	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C5002	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1047	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C5003	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1048	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5005	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1049	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C5006	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1050	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C5007	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1051	1-126-394-11	ELECT CHIP	10μF	20%	16V	C5009	1-162-905-11	CERAMIC CHIP	1pF	0.25pF	50V
C1052	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5010	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1053	1-126-394-11	ELECT CHIP	10μF	20%	16V	C5011	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1054	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C5012	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1056	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C5013	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1057	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5014	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1060	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C5015	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1061	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C5016	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1062	1-126-394-11	ELECT CHIP	10μF	20%	16V	C5017	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1063	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5018	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1066	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5019	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1067	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5020	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1068	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5021	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1069	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5022	1-162-905-11	CERAMIC CHIP	1pF	0.25pF	50V
C1070	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C5023	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C1071	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C5024	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C1072	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5025	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C1073	1-126-390-11	ELECT CHIP	22μF	20%	6.3V	C5027	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C1074	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5028	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C1075	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C5032	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V
C1076	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C5033	1-117-681-11	ELECT CHIP	100μF	20%	16V
C1079	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C5201	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1080	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C5202	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1081	1-126-391-11	ELECT CHIP	47μF	20%	6.3V	C5204	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C1082	1-126-394-11	ELECT CHIP	10μF	20%	16V	C5205	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1083	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5208	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C1084	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V	C5209	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C1087	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C5211	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C1091	1-126-396-11	ELECT CHIP	47μF	20%	16V	C5212	1-162-979-11	CERAMIC CHIP	0.0027μF	10%	50V
C1092	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5213	1-162-979-11	CERAMIC CHIP	0.0027μF	10%	50V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C5216	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5507	1-162-968-11	CERAMIC CHIP	0.0047μF	10%	50V
C5217	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5508	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5218	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5510	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C5219	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C5512	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5220	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C5513	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5221	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5514	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5222	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C6002	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5224	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C6003	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C5225	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C6004	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C5226	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C6005	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C5230	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C6006	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C5231	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C6012	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5234	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C6013	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C5236	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C6014	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C5237	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C7000	1-100-591-91	CERAMIC CHIP	1μF	10%	25V
C5239	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7001	1-112-064-11	CERAMIC CHIP	2.2μF	10%	10V
C5240	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C7002	1-112-064-11	CERAMIC CHIP	2.2μF	10%	10V
C5241	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C7003	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C5246	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C7004	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C5250	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C7005	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C5252	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7006	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C5253	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C7007	1-100-552-21	ELECT CHIP	10μF	20%	25V
C5254	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C7008	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C5255	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7009	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C5256	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7010	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C5257	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7011	1-128-536-11	ELECT CHIP	100μF	20%	25V
C5258	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7012	1-110-648-11	ELECT CHIP	220μF	20%	25V
C5259	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7013	1-100-591-91	CERAMIC CHIP	1μF	10%	25V
C5260	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7014	1-100-591-91	CERAMIC CHIP	1μF	10%	25V
C5262	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7015	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C5265	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C7016	1-100-591-91	CERAMIC CHIP	1μF	10%	25V
C5269	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C7017	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C5270	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C7023	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5271	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C7025	1-125-827-91	CERAMIC CHIP	1μF	10%	25V
C5273	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C7026	1-125-827-91	CERAMIC CHIP	1μF	10%	25V
C5274	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C7027	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5278	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7028	1-112-794-11	ELECT CHIP	470μF	20%	16V
C5279	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	C7030	1-112-794-11	ELECT CHIP	470μF	20%	16V
C5280	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7031	1-100-551-21	ELECT CHIP	22μF	20%	20V
C5281	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7032	1-165-673-21	ELECT CHIP	56μF	20%	10V
C5502	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C7034	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C5503	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7035	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C5504	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C7036	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5506	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C7037	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1075	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1191	1-218-969-11	RES-CHIP	22K	5%	1/16W
R1076	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1192	1-218-941-81	RES-CHIP	100	5%	1/16W
R1078	1-218-990-81	SHORT CHIP				R1193	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1079	1-400-807-21	FERRITE	0μH			R1195	1-218-990-81	SHORT CHIP			
R1080	1-400-807-21	FERRITE	0μH			R1196	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1081	1-400-807-21	FERRITE	0μH			R1198	1-218-990-81	SHORT CHIP			
R1082	1-400-807-21	FERRITE	0μH			R1199	1-218-941-81	RES-CHIP	100	5%	1/16W
R1083	1-400-807-21	FERRITE	0μH			R1205	1-218-990-81	SHORT CHIP			
R1084	1-400-807-21	FERRITE	0μH			R1206	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1085	1-400-807-21	FERRITE	0μH			R1207	1-218-949-11	RES-CHIP	470	5%	1/16W
R1087	1-216-864-11	SHORT CHIP				R1208	1-218-990-81	SHORT CHIP			
R1101	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R1209	1-218-990-81	SHORT CHIP			
R1107	1-218-941-81	RES-CHIP	100	5%	1/16W	R1210	1-218-949-11	RES-CHIP	470	5%	1/16W
R1108	1-218-941-81	RES-CHIP	100	5%	1/16W	R1211	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1109	1-218-941-81	RES-CHIP	100	5%	1/16W	R1212	1-218-949-11	RES-CHIP	470	5%	1/16W
R1110	1-218-941-81	RES-CHIP	100	5%	1/16W	R1218	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R1111	1-218-933-11	RES-CHIP	22	5%	1/16W	R1223	1-218-945-11	RES-CHIP	220	5%	1/16W
R1112	1-218-941-81	RES-CHIP	100	5%	1/16W	R1224	1-218-990-81	SHORT CHIP			
R1113	1-218-933-11	RES-CHIP	22	5%	1/16W	R1225	1-218-937-11	RES-CHIP	47	5%	1/16W
R1115	1-218-941-81	RES-CHIP	100	5%	1/16W	R1226	1-216-813-11	METAL CHIP	220	5%	1/10W
R1116	1-218-990-81	SHORT CHIP				R1227	1-218-937-11	RES-CHIP	47	5%	1/16W
R1117	1-218-941-81	RES-CHIP	100	5%	1/16W	R1235	1-216-864-11	SHORT CHIP			
R1119	1-218-941-81	RES-CHIP	100	5%	1/16W	R1239	1-216-864-11	SHORT CHIP			
R1122	1-216-864-11	SHORT CHIP				R1240	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1123	1-216-864-11	SHORT CHIP				R1242	1-218-941-81	RES-CHIP	100	5%	1/16W
R1124	1-216-864-11	SHORT CHIP				R1243	1-216-809-11	METAL CHIP	100	5%	1/10W
R1125	1-216-864-11	SHORT CHIP				R1246	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1144	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W	R1247	1-216-864-11	SHORT CHIP			
R1147	1-218-941-81	RES-CHIP	100	5%	1/16W	R1255	1-400-591-22	FERRITE	0μH		
R1158	1-218-941-81	RES-CHIP	100	5%	1/16W	R1256	1-400-591-22	FERRITE	0μH		
R1160	1-218-941-81	RES-CHIP	100	5%	1/16W	R1257	1-400-591-22	FERRITE	0μH		
R1161	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1258	1-400-591-22	FERRITE	0μH		
R1162	1-218-973-11	RES-CHIP	47K	5%	1/16W	R1259	1-400-591-22	FERRITE	0μH		
R1163	1-218-941-81	RES-CHIP	100	5%	1/16W	R1260	1-400-591-22	FERRITE	0μH		
R1164	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1261	1-400-591-22	FERRITE	0μH		
R1165	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1262	1-400-591-22	FERRITE	0μH		
R1167	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1263	1-400-591-22	FERRITE	0μH		
R1168	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1264	1-400-591-22	FERRITE	0μH		
R1169	1-216-864-11	SHORT CHIP				R1265	1-400-591-22	FERRITE	0μH		
R1170	1-400-794-21	FERRITE	0μH			R1266	1-216-864-11	SHORT CHIP			
R1180	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1267	1-400-591-22	FERRITE	0μH		
R1186	1-218-990-81	SHORT CHIP				R1270	1-218-941-81	RES-CHIP	100	5%	1/16W
R1188	1-218-990-81	SHORT CHIP				R1290	1-218-990-81	SHORT CHIP			
R1190	1-208-886-81	METAL CHIP	910	0.50%	1/16W	R1295	1-208-721-11	METAL CHIP	39K	0.50%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1701	1-216-848-11	METAL CHIP	180K	5%	1/10W	R5218	1-216-864-11	SHORT CHIP			
R1702	1-216-809-11	METAL CHIP	100	5%	1/10W	R5221	1-216-864-11	SHORT CHIP			
R1707	1-218-990-81	SHORT CHIP				R5222	1-216-864-11	SHORT CHIP			
R1708	1-218-990-81	SHORT CHIP				R5223	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1709	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5224	1-218-990-81	SHORT CHIP			
R1710	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5225	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1711	1-218-983-11	RES-CHIP	330K	5%	1/16W	R5226	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4711	1-218-937-11	RES-CHIP	47	5%	1/16W	R5500	1-400-794-21	FERRITE	0μH		
R4712	1-218-937-11	RES-CHIP	47	5%	1/16W	R5503	1-218-847-11	METAL CHIP	1K	0.50%	1/10W
R4713	1-218-933-11	RES-CHIP	22	5%	1/16W	R5504	1-218-847-11	METAL CHIP	1K	0.50%	1/10W
R4714	1-218-937-11	RES-CHIP	47	5%	1/16W	R5505	1-218-990-81	SHORT CHIP			
R4715	1-216-295-91	SHORT CHIP				R5506	1-211-986-11	METAL CHIP	51	0.50%	1/10W
R5000	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R5507	1-218-990-81	SHORT CHIP			
R5002	1-218-949-11	RES-CHIP	470	5%	1/16W	R5508	1-218-933-11	RES-CHIP	22	5%	1/16W
R5003	1-218-990-81	SHORT CHIP				R5509	1-211-986-11	METAL CHIP	51	0.50%	1/10W
R5004	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R5510	1-218-933-11	RES-CHIP	22	5%	1/16W
R5007	1-218-949-11	RES-CHIP	470	5%	1/16W	R5511	1-218-933-11	RES-CHIP	22	5%	1/16W
R5008	1-218-990-81	SHORT CHIP				R5512	1-218-933-11	RES-CHIP	22	5%	1/16W
R5009	1-218-989-11	RES-CHIP	1M	5%	1/16W	R5513	1-218-933-11	RES-CHIP	22	5%	1/16W
R5010	1-218-935-11	RES-CHIP	33	5%	1/16W	R5514	1-218-933-11	RES-CHIP	22	5%	1/16W
R5011	1-218-941-81	RES-CHIP	100	5%	1/16W	R5515	1-218-933-11	RES-CHIP	22	5%	1/16W
R5012	1-218-941-81	RES-CHIP	100	5%	1/16W	R5516	1-218-933-11	RES-CHIP	22	5%	1/16W
R5013	1-218-941-81	RES-CHIP	100	5%	1/16W	R5517	1-218-933-11	RES-CHIP	22	5%	1/16W
R5014	1-218-941-81	RES-CHIP	100	5%	1/16W	R5518	1-218-933-11	RES-CHIP	22	5%	1/16W
R5016	1-218-941-81	RES-CHIP	100	5%	1/16W	R5519	1-218-933-11	RES-CHIP	22	5%	1/16W
R5017	1-218-941-81	RES-CHIP	100	5%	1/16W	R6000	1-216-805-11	METAL CHIP	47	5%	1/10W
R5025	1-218-990-81	SHORT CHIP				R6001	1-216-805-11	METAL CHIP	47	5%	1/10W
R5026	1-216-864-11	SHORT CHIP				R6004	1-216-853-11	METAL CHIP	470K	5%	1/10W
R5027	1-216-864-11	SHORT CHIP				R6005	1-216-853-11	METAL CHIP	470K	5%	1/10W
R5029	1-218-965-11	RES-CHIP	10K	5%	1/16W	R6006	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5031	1-218-941-81	RES-CHIP	100	5%	1/16W	R6007	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5039	1-218-990-81	SHORT CHIP				R6008	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5040	1-218-990-81	SHORT CHIP				R6009	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5042	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R6010	1-216-805-11	METAL CHIP	47	5%	1/10W
R5043	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R6011	1-216-805-11	METAL CHIP	47	5%	1/10W
R5044	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R6012	1-218-827-11	METAL CHIP	150	0.50%	1/10W
R5045	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R6013	1-218-827-11	METAL CHIP	150	0.50%	1/10W
R5046	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R6014	1-218-827-11	METAL CHIP	150	0.50%	1/10W
R5047	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R6015	1-218-827-11	METAL CHIP	150	0.50%	1/10W
R5210	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R6016	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5211	1-218-990-81	SHORT CHIP				R6017	1-218-827-11	METAL CHIP	150	0.50%	1/10W
R5212	1-218-973-11	RES-CHIP	47K	5%	1/16W	R6018	1-218-827-11	METAL CHIP	150	0.50%	1/10W
R5214	1-218-933-11	RES-CHIP	22	5%	1/16W	R6019	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5215	1-218-933-11	RES-CHIP	22	5%	1/16W	R6021	1-216-801-11	METAL CHIP	22	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R6022	1-216-801-11	METAL CHIP	22	5%	1/10W	R7035	1-218-847-11	METAL CHIP	1K	0.50%	1/10W
R6023	1-216-801-11	METAL CHIP	22	5%	1/10W	R7036	1-218-845-11	METAL CHIP	820	0.50%	1/10W
R6029	1-218-933-11	RES-CHIP	22	5%	1/16W	R7040	1-216-295-91	SHORT CHIP			
R6030	1-218-933-11	RES-CHIP	22	5%	1/16W	R7041	1-400-794-21	FERRITE	0μH		
R6037	1-216-864-11	SHORT CHIP				R7045	1-216-295-91	SHORT CHIP			
R6038	1-216-864-11	SHORT CHIP				R7046	1-216-295-91	SHORT CHIP			
R6041	1-216-847-11	METAL CHIP	150K	5%	1/10W	R7048	1-216-295-91	SHORT CHIP			
R6042	1-216-847-11	METAL CHIP	150K	5%	1/10W	R7050	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R6043	1-216-847-11	METAL CHIP	150K	5%	1/10W	R7051	1-218-839-11	METAL CHIP	470	0.50%	1/10W
R6044	1-216-847-11	METAL CHIP	150K	5%	1/10W	R7053	1-218-859-11	METAL CHIP	3.3K	0.50%	1/10W
R6045	1-216-821-11	METAL CHIP	1K	5%	1/10W	R7054	1-218-859-11	METAL CHIP	3.3K	0.50%	1/10W
R6046	1-216-821-11	METAL CHIP	1K	5%	1/10W	R7055	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R7000	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R7056	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R7001	1-218-877-11	METAL CHIP	18K	0.50%	1/10W	R7057	1-216-843-11	METAL CHIP	68K	5%	1/10W
R7002	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W	R7058	1-216-851-11	METAL CHIP	330K	5%	1/10W
R7003	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W	R7060	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7004	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7063	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7005	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R7064	1-216-864-11	SHORT CHIP			
R7006	1-218-891-11	METAL CHIP	68K	0.50%	1/10W	R7066	1-216-835-11	METAL CHIP	15K	5%	1/10W
R7007	1-218-881-11	METAL CHIP	27K	0.50%	1/10W	R7067	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
R7008	1-218-891-11	METAL CHIP	68K	0.50%	1/10W	R7080	1-400-591-22	FERRITE	0μH		
R7009	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7081	1-400-591-22	FERRITE	0μH		
R7010	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R7082	1-400-591-22	FERRITE	0μH		
R7011	1-218-879-11	METAL CHIP	22K	0.50%	1/10W	R7083	1-400-591-22	FERRITE	0μH		
R7012	1-216-835-11	METAL CHIP	15K	5%	1/10W	R7506	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R7013	1-218-882-11	METAL CHIP	30K	0.50%	1/10W	R7507	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R7014	1-216-809-11	METAL CHIP	100	5%	1/10W	R7510	1-216-864-11	SHORT CHIP			
R7015	1-216-809-11	METAL CHIP	100	5%	1/10W	R7515	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7016	1-216-821-11	METAL CHIP	1K	5%	1/10W	R7516	1-216-840-11	METAL CHIP	39K	5%	1/10W
R7017	1-216-815-11	METAL CHIP	330	5%	1/10W	R7517	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7019	1-216-835-11	METAL CHIP	15K	5%	1/10W	R7518	1-216-847-11	METAL CHIP	150K	5%	1/10W
R7020	1-216-864-11	SHORT CHIP				R7542	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7021	1-216-837-11	METAL CHIP	22K	5%	1/10W	R7543	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7022	1-216-864-11	SHORT CHIP				R7544	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7023	1-216-864-11	SHORT CHIP				R7545	1-218-977-11	RES-CHIP	100K	5%	1/16W
R7024	1-216-837-11	METAL CHIP	22K	5%	1/10W	R7546	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7025	1-216-864-11	SHORT CHIP				R9001	1-216-805-11	METAL CHIP	47	5%	1/10W
R7026	1-216-864-11	SHORT CHIP				R9002	1-216-805-11	METAL CHIP	47	5%	1/10W
R7027	1-216-821-11	METAL CHIP	1K	5%	1/10W	R9003	1-216-805-11	METAL CHIP	47	5%	1/10W
R7028	1-216-821-11	METAL CHIP	1K	5%	1/10W	R9004	1-216-805-11	METAL CHIP	47	5%	1/10W
R7029	1-216-841-11	METAL CHIP	47K	5%	1/10W	R9005	1-218-929-11	RES-CHIP	10	5%	1/16W
R7030	1-216-841-11	METAL CHIP	47K	5%	1/10W	R9006	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R7031	1-218-855-11	METAL CHIP	2.2K	0.50%	1/10W	R9007	1-218-990-81	SHORT CHIP			
R7032	1-218-843-11	METAL CHIP	680	0.50%	1/10W	R9008	1-218-990-81	SHORT CHIP			



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R9009	1-218-990-81	SHORT CHIP				R9076	1-218-973-11	RES-CHIP	47K	5%	1/16W
R9010	1-216-864-11	SHORT CHIP				R9944	1-216-295-91	SHORT CHIP			
R9011	1-216-853-11	METAL CHIP	470K	5%	1/10W			RESISTOR BRIDGE			
R9012	1-216-853-11	METAL CHIP	470K	5%	1/10W	RB1004	1-234-372-11	RES, NETWORK 100		(1005X4)	
R9013	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	RB1005	1-234-372-11	RES, NETWORK 100		(1005X4)	
R9014	1-216-864-11	SHORT CHIP				RB1006	1-234-372-11	RES, NETWORK 100		(1005X4)	
R9015	1-216-821-11	METAL CHIP	1K	5%	1/10W	RB1007	1-234-378-21	RES, NETWORK 10K		(1005X4)	
R9016	1-216-821-11	METAL CHIP	1K	5%	1/10W	RB1008	1-234-378-21	RES, NETWORK 10K		(1005X4)	
R9017	1-218-941-81	RES-CHIP	100	5%	1/16W	RB5002	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9018	1-218-941-81	RES-CHIP	100	5%	1/16W	RB5003	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9019	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	RB5004	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9020	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	RB5005	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9022	1-218-973-11	RES-CHIP	47K	5%	1/16W	RB5201	1-234-372-11	RES, NETWORK 100		(1005X4)	
R9025	1-218-941-81	RES-CHIP	100	5%	1/16W	RB5202	1-234-372-11	RES, NETWORK 100		(1005X4)	
R9031	1-218-929-11	RES-CHIP	10	5%	1/16W	RB5203	1-234-372-11	RES, NETWORK 100		(1005X4)	
R9032	1-218-929-11	RES-CHIP	10	5%	1/16W	RB5500	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9033	1-218-929-11	RES-CHIP	10	5%	1/16W	RB5501	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9034	1-218-929-11	RES-CHIP	10	5%	1/16W	RB5502	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9035	1-218-929-11	RES-CHIP	10	5%	1/16W	RB5503	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9036	1-218-929-11	RES-CHIP	10	5%	1/16W	RB5504	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9037	1-218-929-11	RES-CHIP	10	5%	1/16W	RB5505	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9038	1-218-929-11	RES-CHIP	10	5%	1/16W	RB5506	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9040	1-218-965-11	RES-CHIP	10K	5%	1/16W	RB5507	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9041	1-218-965-11	RES-CHIP	10K	5%	1/16W	RB5508	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9044	1-218-937-11	RES-CHIP	47	5%	1/16W	RB5509	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9045	1-218-937-11	RES-CHIP	47	5%	1/16W	RB5510	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9046	1-218-937-11	RES-CHIP	47	5%	1/16W	RB5511	1-234-370-21	RES, NETWORK 22		(1005X4)	
R9047	1-216-295-91	SHORT CHIP						VARISTOR			
R9048	1-218-937-11	RES-CHIP	47	5%	1/16W	VD6000	1-802-078-11	VARISTOR		(SMD)	
R9051	1-218-937-11	RES-CHIP	47	5%	1/16W	VD6001	1-802-078-11	VARISTOR		(SMD)	
R9060	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	VD6002	1-802-078-11	VARISTOR		(SMD)	
R9061	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	VD6003	1-802-078-11	VARISTOR		(SMD)	
R9062	1-216-847-11	METAL CHIP	150K	5%	1/10W	VD6004	1-802-078-11	VARISTOR		(SMD)	
R9063	1-216-847-11	METAL CHIP	150K	5%	1/10W	VD6005	1-802-078-11	VARISTOR		(SMD)	
R9064	1-216-821-11	METAL CHIP	1K	5%	1/10W	VD6006	1-802-078-11	VARISTOR		(SMD)	
R9065	1-216-847-11	METAL CHIP	150K	5%	1/10W	VD9001	1-802-078-11	VARISTOR		(SMD)	
R9066	1-216-847-11	METAL CHIP	150K	5%	1/10W	VD9002	1-802-078-11	VARISTOR		(SMD)	
R9067	1-216-821-11	METAL CHIP	1K	5%	1/10W	VD9003	6-500-701-01	DIODE		PGB1010603NR	
R9070	1-218-953-11	RES-CHIP	1K	5%	1/16W	VD9004	6-500-701-01	DIODE		PGB1010603NR	
R9071	1-218-973-11	RES-CHIP	47K	5%	1/16W	VD9005	6-500-701-01	DIODE		PGB1010603NR	
R9072	1-218-973-11	RES-CHIP	47K	5%	1/16W	VD9006	6-500-701-01	DIODE		PGB1010603NR	
R9073	1-218-973-11	RES-CHIP	47K	5%	1/16W	VD9007	6-500-701-01	DIODE		PGB1010603NR	
R9074	1-218-969-11	RES-CHIP	22K	5%	1/16W	VD9008	6-500-701-01	DIODE		PGB1010603NR	
R9075	1-218-989-11	RES-CHIP	1M	5%	1/16W						

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

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

BU G1 G2

REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
VD9010	6-500-701-01	DIODE	PGB1010603NR	C6105	1-107-906-11	ELECT	10 μ F 20% 50V
VD9011	6-500-701-01	DIODE	PGB1010603NR	C6108	1-115-340-11	CERAMIC CHIP	0.22 μ F 10% 25V
VD9012	6-500-701-01	DIODE	PGB1010603NR	C6109	1-107-888-11	ELECT	47 μ F 20% 25V
VD9013	6-500-701-01	DIODE	PGB1010603NR	C6111	1-100-613-81	CERAMIC	470pF 5% 1KV
CRYSTAL				C6112	1-100-310-11	FILM	18000pF 3% 800V
X1001	1-813-070-21	PIEZOELECTRIC OSCILLATOR		C6116	1-163-021-91	CERAMIC CHIP	0.01 μ F 10% 50V
X1009	1-813-784-21	VIBRATOR, CRYSTAL		C6200	1-164-227-11	CERAMIC CHIP	0.022 μ F 10% 25V
X5000	1-813-773-11	VIBRATOR, CRYSTAL		C6202	1-112-242-21	ELECT	1500 μ F 20% 25V
G1				C6203	1-107-907-11	ELECT	22 μ F 20% 50V
Δ	1-468-980-11	G1 BOARD, COMPLETE (POWER UNIT) (KDL-26S2000/32S2000 ONLY)		C6204	1-112-242-21	ELECT	1500 μ F 20% 25V
Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is required.				C6205	1-112-242-21	ELECT	1500 μ F 20% 25V
G2				C6207	1-112-242-21	ELECT	1500 μ F 20% 25V
A-1169-591-C		G2 BOARD, COMPLETE (KDL-40S2000 ONLY)		C6216	1-107-928-11	ELECT	4.7 μ F 20% 100V
4-382-854-11		SCREW (M3X10), P, SW (+)		C6217	1-112-229-21	ELECT	1500 μ F 20% 16V
WIRE PIN				C6305	1-107-826-11	CERAMIC CHIP	0.1 μ F 10% 16V
* A6012	4-042-408-02	PIN(45), WIRE		C6306	1-162-927-11	CERAMIC CHIP	100pF 5% 50V
* A6013	4-042-408-02	PIN(45), WIRE		C6307	1-107-903-11	ELECT	2.2 μ F 20% 50V
CAPACITOR				C6308	1-107-904-11	ELECT	3.3 μ F 20% 50V
C6000	1-161-964-91	CERAMIC	0.0047 μ F 250V	C6309	1-107-910-11	ELECT	100 μ F 20% 50V
C6001	1-119-892-51	CERAMIC	470pF 10% 250V	C6310	1-100-139-31	FILM	0.001 μ F 5% 630V
C6002	1-165-531-11	MYLAR	1 μ F 10 275V	C6314	1-162-964-11	CERAMIC CHIP	0.001 μ F 10% 50V
C6003	1-161-964-91	CERAMIC	0.0047 μ F 250V	C6315	1-165-729-31	ELECT	470 μ F 20% 16V
C6004	1-165-529-11	MYLAR	0.22 μ F 10 275V	C6316	1-107-826-11	CERAMIC CHIP	0.1 μ F 10% 16V
C6005	1-119-892-51	CERAMIC	470pF 10% 250V	C6401	1-107-882-91	ELECT	100 μ F 20% 16V
C6006	1-135-361-11	ELECT(BLOCK)	180 μ F 20% 450V	C6402	1-127-573-11	CERAMIC CHIP	1 μ F 10% 16V
C6008	1-135-361-11	ELECT(BLOCK)	180 μ F 20% 450V	C6404	1-107-826-11	CERAMIC CHIP	0.1 μ F 10% 16V
C6010	1-113-889-11	CERAMIC	0.001 μ F 20% 250V	C6405	1-115-339-11	CERAMIC CHIP	0.1 μ F 10% 50V
C6012	1-113-889-11	CERAMIC	0.001 μ F 20% 250V	C6406	1-162-964-11	CERAMIC CHIP	0.001 μ F 10% 50V
C6015	1-119-891-51	CERAMIC	220pF 10% 250V	C6407	1-162-970-11	CERAMIC CHIP	0.01 μ F 10% 25V
C6016	1-119-891-51	CERAMIC	220pF 10% 250V	C6408	1-125-891-11	CERAMIC CHIP	0.47 μ F 10% 10V
C6051	1-162-970-11	CERAMIC CHIP	0.01 μ F 10% 25V	C6412	1-125-891-11	CERAMIC CHIP	0.47 μ F 10% 10V
C6100	1-162-970-11	CERAMIC CHIP	0.01 μ F 10% 25V	C6413	1-162-964-11	CERAMIC CHIP	0.001 μ F 10% 50V
C6101	1-107-905-11	ELECT	4.7 μ F 20% 50V	C6451	1-107-826-11	CERAMIC CHIP	0.1 μ F 10% 16V
C6102	1-107-910-11	ELECT	100 μ F 20% 50V	C6504	1-100-613-81	CERAMIC	470pF 5% 1KV
C6103	1-162-970-11	CERAMIC CHIP	0.01 μ F 10% 25V	C6505	1-100-613-81	CERAMIC	470pF 5% 1KV
C6104	1-100-831-91	CERAMIC CHIP	0.001 μ F 2% 50V	C6517	1-117-227-11	MYLAR	1 μ F 10% 450V
				C6518	1-112-744-52	MYLAR	1 μ F 10% 450V
				C6519	1-162-969-11	CERAMIC CHIP	0.0068 μ F 10% 25V
				C6520	1-117-227-11	MYLAR	1 μ F 10% 450V
				C6521	1-107-823-11	CERAMIC CHIP	0.47 μ F 10% 16V
				C6522	1-162-964-11	CERAMIC CHIP	0.001 μ F 10% 50V
				C6523	1-162-970-11	CERAMIC CHIP	0.01 μ F 10% 25V
				C6525	1-115-339-11	CERAMIC CHIP	0.1 μ F 10% 50V
				C6526	1-107-906-11	ELECT	10 μ F 20% 50V



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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
CONNECTOR							
	CN6000	1-695-915-11	TAB (CONTACT)	D6509	6-500-108-01	DIODE	EP05FA20
\triangle	CN6001	1-793-660-11	PIN, CONNECTOR (PC BOARD) 3P	D6510	6-500-137-01	DIODE	BAT54HT1
	CN6011	1-537-770-21	TERMINAL BOARD, GROUND	D6511	8-719-081-97	DIODE	MMDL914T1
	CN6211	1-537-770-21	TERMINAL BOARD, GROUND	D6512	8-719-081-97	DIODE	MMDL914T1
	CN6214	1-537-770-21	TERMINAL BOARD, GROUND	D6551	8-719-081-97	DIODE	MMDL914T1
	CN6216	1-537-770-21	TERMINAL BOARD, GROUND	D6552	8-719-081-97	DIODE	MMDL914T1
DIODE				FUSE			
	D6000	8-719-054-89	DIODE	D15XB60	\triangle F6000	1-576-233-51	FUSE 6.3A 250V
	D6002	8-719-081-97	DIODE	MMDL914T1			
	D6003	8-719-081-97	DIODE	MMDL914T1			
	D6102	6-500-137-01	DIODE	BAT54HT1			
	D6103	8-719-979-64	DIODE	UF4005/23			
	D6104	6-501-043-01	DIODE	UMZ16NT106			
\triangle	D6105	6-501-043-01	DIODE	UMZ16NT106			
	D6106	8-719-081-67	DIODE	M1FM3			
\triangle	D6107	8-719-081-67	DIODE	M1FM3			
	D6108	8-719-041-97	DIODE	MA113-(TX)			
	D6200	8-719-057-96	DIODE	D10SC6M-4012			
	D6201	8-719-057-96	DIODE	D10SC6M-4012			
	D6202	8-719-057-96	DIODE	D10SC6M-4012			
	D6203	8-719-057-96	DIODE	D10SC6M-4012			
	D6204	6-500-567-31	DIODE	10ERB20-TB3			
	D6205	6-500-567-31	DIODE	10ERB20-TB3			
	D6207	8-719-057-96	DIODE	D10SC6M-4012			
	D6208	8-719-057-96	DIODE	D10SC6M-4012			
	D6302	6-500-567-31	DIODE	10ERB20-TB3			
	D6303	6-500-567-31	DIODE	10ERB20-TB3			
	D6304	6-500-849-01	DIODE	ERA22-08KFLB			
	D6305	6-500-567-31	DIODE	10ERB20-TB3			
	D6306	8-719-510-02	DIODE	D1NS4			
	D6401	8-719-081-97	DIODE	MMDL914T1			
	D6402	8-719-081-97	DIODE	MMDL914T1			
	D6407	8-719-082-04	DIODE	MM3Z22VT1			
	D6408	8-719-081-97	DIODE	MMDL914T1			
	D6452	8-719-081-97	DIODE	MMDL914T1			
	D6454	1-125-889-91	CERAMIC CHIP	2.2 μ F 10% 10V			
	D6456	8-719-081-97	DIODE	MMDL914T1			
	D6504	1-216-295-91	SHORT CHIP	JR6001	1-216-295-91	SHORT CHIP	
	D6505	8-719-976-99	DIODE	DTZ5.1B	JR6002	1-216-296-11	SHORT CHIP
	D6506	8-719-054-59	DIODE	FSF05A60	JR6003	1-216-295-91	SHORT CHIP
	D6507	8-719-081-97	DIODE	MMDL914T1	JR6004	1-216-295-91	SHORT CHIP
	D6508	6-500-108-01	DIODE	EP05FA20	JR6007	1-216-296-11	SHORT CHIP
				IC			
				\triangle IC6100	6-709-581-01	IC	CXD9841M-H
				IC6200	6-709-368-01	IC	MM1431ATT (CN)
				\triangle IC6301	6-708-801-01	IC	MIP2H2
				IC6302	6-709-442-01	IC	MM1530ATT
				IC6401	6-709-368-01	IC	MM1431ATT (CN)
				IC6402	6-709-368-01	IC	MM1431ATT (CN)
				\triangle IC6502	6-709-192-01	IC	FA5501AN-D1-TE1
				CHIP CONDUCTOR			
				JR6001	1-216-295-91	SHORT CHIP	
				JR6002	1-216-296-11	SHORT CHIP	
				JR6003	1-216-295-91	SHORT CHIP	
				JR6004	1-216-295-91	SHORT CHIP	
				JR6007	1-216-296-11	SHORT CHIP	
				JR6008	1-216-296-11	SHORT CHIP	
				JR6009	1-216-296-11	SHORT CHIP	
				JR6010	1-216-296-11	SHORT CHIP	
				JR6011	1-216-295-91	SHORT CHIP	
				JR6012	1-216-295-91	SHORT CHIP	
				JR6013	1-216-295-91	SHORT CHIP	
				COIL			
				L6000	1-456-856-21	LINE FILTER COIL	
				L6001	1-456-856-21	LINE FILTER COIL	
				L6203	1-414-487-41	INDUCTOR	1 μ H



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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
L6204	1-414-487-41	INDUCTOR	1 μ H	R6109	1-218-761-11	METAL CHIP	240K 0.50% 1/10W
L6207	1-457-239-11	INDUCTOR	4.7 μ H	R6110	1-218-881-11	METAL CHIP	27K 0.50% 1/10W
L6208	1-457-239-11	INDUCTOR	4.7 μ H	R6111	1-218-873-11	METAL CHIP	12K 0.50% 1/10W
L6300	1-414-934-21	INDUCTOR	10 μ H	R6114	1-211-985-11	METAL CHIP	47 0.50% 1/10W
L6500	1-457-218-11	INDUCTOR	100 μ H	R6116	1-216-009-91	RES-CHIP	22 5% 1/10W
L6502	1-457-141-11	INDUCTOR	175 μ H	R6117	1-216-009-91	RES-CHIP	22 5% 1/10W
PHOTO COUPLER				R6118	1-216-833-11	METAL CHIP	10K 5% 1/10W
PH6000	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	R6119	1-216-833-11	METAL CHIP	10K 5% 1/10W
PH6100	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	R6121	1-216-361-00	METAL OXIDE	0.22 5% 2W
PH6301	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	R6122	1-216-361-00	METAL OXIDE	0.22 5% 2W
PH6400	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	R6123	1-218-847-11	METAL CHIP	1K 0.50% 1/10W
PH6402	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF	R6127	1-216-857-11	METAL CHIP	1M 5% 1/10W
TRANSISTOR				R6200	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q6051	8-729-045-62	TRANSISTOR	2SK2158-T2B	R6201	1-216-821-11	METAL CHIP	1K 5% 1/10W
\triangle Q6100	6-551-297-01	TRANSISTOR	2SK3568(LBS1SONY.Q	R6202	1-216-105-91	RES-CHIP	220K 5% 1/10W
\triangle Q6101	6-551-297-01	TRANSISTOR	2SK3568(LBS1SONY.Q	R6203	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
Q6400	8-729-804-41	TRANSISTOR	2SB1122-S	R6204	1-218-843-11	METAL CHIP	680 0.50% 1/10W
Q6401	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R6205	1-218-865-11	METAL CHIP	5.6K 0.50% 1/10W
Q6402	8-729-045-62	TRANSISTOR	2SK2158-T2B	\triangle R6207	1-218-847-11	METAL CHIP	1K 0.50% 1/10W
Q6403	8-729-026-49	TRANSISTOR	2SA1037AK-T146-R	\triangle R6208	1-249-377-11	CARBON	0.47 5% 1/4W
Q6404	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R6226	1-249-389-11	CARBON	4.7 5% 1/4W
Q6405	8-729-120-28	TRANSISTOR	2SC1623-L5L6	\triangle R6300	1-212-958-00	FUSIBLE	10 5% 1/2W
Q6406	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R6301	1-243-725-71	METAL OXIDE	100K 5% 1W
Q6454	8-729-026-49	TRANSISTOR	2SA1037AK-T146-R	R6302	1-218-865-11	METAL CHIP	5.6K 0.50% 1/10W
Q6455	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R6303	1-249-385-11	CARBON	2.2 5% 1/4W
\triangle Q6500	6-551-403-01	TRANSISTOR	2SK3797(LBS1SONY.	R6304	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q6501	8-729-820-90	TRANSISTOR	2SD1621-ST	R6305	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
Q6502	8-729-804-41	TRANSISTOR	2SB1122-S	R6306	1-216-805-11	METAL CHIP	47 5% 1/10W
\triangle Q6504	6-551-403-01	TRANSISTOR	2SK3797(LBS1SONY.	R6307	1-218-887-11	METAL CHIP	47K 0.50% 1/10W
RESISTOR				R6308	1-218-871-11	METAL CHIP	10K 0.50% 1/10W
\triangle R6002	1-240-251-11	METAL	6.8 5% 10W	R6309	1-218-867-11	METAL CHIP	6.8K 0.50% 1/10W
R6003	1-247-752-11	CARBON	1K 5% 1/2W	R6400	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6004	1-218-835-11	METAL CHIP	330 0.50% 1/10W	R6401	1-218-863-11	METAL CHIP	4.7K 0.50% 1/10W
R6051	1-216-821-11	METAL CHIP	1K 5% 1/10W	R6402	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6052	1-216-837-11	METAL CHIP	22K 5% 1/10W	R6403	1-218-887-11	METAL CHIP	47K 0.50% 1/10W
R6101	1-249-385-11	CARBON	2.2 5% 1/4W	R6405	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
\triangle R6102	1-202-933-61	FUSIBLE	0.1 10% 1/2W	R6407	1-216-837-11	METAL CHIP	22K 5% 1/10W
R6103	1-218-823-11	METAL CHIP	100 0.50% 1/10W	R6408	1-218-879-11	METAL CHIP	22K 0.50% 1/10W
R6104	1-218-887-11	METAL CHIP	47K 0.50% 1/10W	R6409	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6105	1-208-854-11	METAL CHIP	1M 0.50% 1/10W	R6410	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6106	1-208-854-11	METAL CHIP	1M 0.50% 1/10W	R6412	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6107	1-208-854-11	METAL CHIP	1M 0.50% 1/10W	R6413	1-218-863-11	METAL CHIP	4.7K 0.50% 1/10W
R6108	1-208-854-11	METAL CHIP	1M 0.50% 1/10W	R6417	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R6418	1-216-845-11	METAL CHIP	100K 5% 1/10W




REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R6419	1-216-837-11	METAL CHIP	22K	5%	1/10W	R6547	1-208-848-11	METAL CHIP	560K	0.50%	1/10W
R6420	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6548	1-208-846-11	METAL CHIP	470K	0.50%	1/10W
R6436	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6549	1-208-844-11	METAL CHIP	390K	0.50%	1/10W
R6437	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6550	1-218-875-11	METAL CHIP	15K	0.50%	1/10W
R6441	1-216-841-11	METAL CHIP	47K	5%	1/10W	R6551	1-249-393-11	CARBON	10	5%	1/4W
R6442	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6552	1-216-809-11	METAL CHIP	100	5%	1/10W
R6443	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6553	1-208-830-11	METAL CHIP	100K	0.50%	1/10W
R6444	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6554	1-218-911-11	METAL CHIP	470K	0.50%	1/10W
R6451	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6555	1-218-887-11	METAL CHIP	47K	0.50%	1/10W
R6452	1-218-847-11	METAL CHIP	1K	0.50%	1/10W	R6557	1-218-851-11	METAL CHIP	1.5K	0.50%	1/10W
R6453	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6560	1-218-911-11	METAL CHIP	470K	0.50%	1/10W
R6454	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6562	1-218-760-11	METAL CHIP	220K	0.50%	1/10W
R6455	1-218-903-11	METAL CHIP	220K	0.50%	1/10W	R6563	1-218-760-11	METAL CHIP	220K	0.50%	1/10W
R6456	1-218-859-11	METAL CHIP	3.3K	0.50%	1/10W	R6564	1-218-760-11	METAL CHIP	220K	0.50%	1/10W
R6459	1-218-885-11	METAL CHIP	39K	0.50%	1/10W	R6565	1-218-760-11	METAL CHIP	220K	0.50%	1/10W
R6461	1-216-833-11	METAL CHIP	10K	5%	1/10W	RELAY					
R6462	1-216-833-11	METAL CHIP	10K	5%	1/10W	RY6003	1-755-488-11	RELAY (LKP1AF-18V)			
R6468	1-218-903-11	METAL CHIP	220K	0.50%	1/10W	TRANSFORMER					
R6503	1-215-882-00	METAL OXIDE	22	5%	2W	T6102	1-443-983-11	CONVERTER TRANSFORMER (PIT)			
R6512	1-218-907-11	METAL CHIP	330K	0.50%	1/10W	T6103	1-443-982-11	CONVERTER TRANSFORMER (PIT)			
R6513	1-218-879-11	METAL CHIP	22K	0.50%	1/10W	T6301	1-443-984-11	CONVERTER TRANSFORMER (SBT)			
R6514	1-218-895-11	METAL CHIP	100K	0.50%	1/10W	VARISTOR					
R6515	1-218-823-11	METAL CHIP	100	0.50%	1/10W	VD6000	1-804-996-21	VARISTOR			
R6526	1-211-989-11	METAL CHIP	68	0.50%	1/10W	VD6001	1-804-996-21	VARISTOR			
R6527	1-218-913-91	METAL CHIP	560K	0.50%	1/10W	H1U					
R6528	1-218-879-11	METAL CHIP	22K	0.50%	1/10W	A-1172-589-B H1U BOARD, MOUNTED					
R6529	1-216-864-11	SHORT CHIP				2-663-977-01	BUTTON, MULTI				
R6530	1-219-729-11	METAL	0.33	10%	5W	2-663-978-02	COVER, BUTTON				
R6531	1-219-729-11	METAL	0.33	10%	5W	RESISTOR					
R6532	1-216-864-11	SHORT CHIP				R101	1-218-848-11	METAL CHIP	1.1K	0.50%	1/10W
R6533	1-216-833-11	METAL CHIP	10K	5%	1/10W	R102	1-218-841-11	METAL CHIP	560	0.50%	1/10W
R6534	1-218-823-11	METAL CHIP	100	0.50%	1/10W	R103	1-218-835-11	METAL CHIP	330	0.50%	1/10W
R6535	1-216-833-11	METAL CHIP	10K	5%	1/10W	R104	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R6536	1-218-830-11	METAL CHIP	200	0.50%	1/10W	R105	1-218-827-11	METAL CHIP	150	0.50%	1/10W
R6537	1-249-389-11	CARBON	4.7	5%	1/4W	SWITCH					
R6538	1-249-405-11	CARBON	100	5%	1/4W	S101	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)			
R6539	1-218-830-11	METAL CHIP	200	0.50%	1/10W	S102	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)			
R6540	1-249-389-11	CARBON	4.7	5%	1/4W	S103	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)			
R6541	1-208-818-11	METAL CHIP	33K	0.50%	1/10W	S104	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)			
R6542	1-208-814-91	METAL CHIP	22K	0.50%	1/10W						
R6543	1-218-830-11	METAL CHIP	200	0.50%	1/10W						
R6544	1-218-830-11	METAL CHIP	200	0.50%	1/10W						
R6545	1-208-848-11	METAL CHIP	560K	0.50%	1/10W						
R6546	1-208-848-11	METAL CHIP	560K	0.50%	1/10W						


H2U H3U




REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES								
S105	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)				R215	1-216-809-11	METAL CHIP	100	5%	1/10W						
S106	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)				R216	1-216-809-11	METAL CHIP	100	5%	1/10W						
S107	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)				R217	1-216-821-11	METAL CHIP	1K	5%	1/10W						
<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">H2U</div> * A-1152-234-B H2U BOARD, MOUNTED						R218	1-216-821-11	METAL CHIP	1K	5%	1/10W						
						R219	1-216-809-11	METAL CHIP	100	5%	1/10W						
						R220	1-216-864-11	SHORT CHIP									
						R224	1-218-831-11	METAL CHIP	220	0.50%	1/10W						
						R225	1-218-831-11	METAL CHIP	220	0.50%	1/10W						
<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">H2U</div> * A-1172-591-B H3U BOARD, MOUNTED						CAPACITOR											
						C203	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V						
						C204	1-127-573-11	CERAMIC CHIP	1 μ F	10%	16V						
						C205	1-125-891-11	CERAMIC CHIP	0.47 μ F	10%	10V						
						C206	1-125-889-91	CERAMIC CHIP	2.2 μ F	10%	10V						
C207	1-125-889-91	CERAMIC CHIP	2.2 μ F	10%	10V												
C208	1-125-889-91	CERAMIC CHIP	2.2 μ F	10%	10V												
C215	1-115-416-11	CERAMIC CHIP	0.001 μ F	5%	25V												
<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">H3U</div> * A-1172-591-B H3U BOARD, MOUNTED						CAPACITOR											
						CN201	1-820-192-11	HEADER ASSEMBLY (PRINT PWB) 15P									
						<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">H3U</div> * A-1172-591-B H3U BOARD, MOUNTED						DIODE					
												D201	8-719-977-28	DIODE	DTZ10B		
												D202	8-719-977-28	DIODE	DTZ10B		
D203	8-719-977-28	DIODE	DTZ10B														
D204	8-719-977-28	DIODE	DTZ10B														
D205	8-719-977-28	DIODE	DTZ10B														
D206	8-719-977-28	DIODE	DTZ10B														
<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">H3U</div> * A-1172-591-B H3U BOARD, MOUNTED						JACK											
						J201	1-780-368-11	S TERMINAL BLOCK (RIGHT)									
						J202	1-568-267-11	JACK									
						<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">H3U</div> * A-1172-591-B H3U BOARD, MOUNTED						RESISTOR					
												R202	1-216-864-11	SHORT CHIP			
R203	1-216-853-11	METAL CHIP	470K	5%	1/10W												
R204	1-216-853-11	METAL CHIP	470K	5%	1/10W												
R205	1-216-864-11	SHORT CHIP															
R206	1-216-864-11	SHORT CHIP															
R207	1-218-831-11	METAL CHIP	220	0.50%	1/10W												
R208	1-218-831-11	METAL CHIP	220	0.50%	1/10W												
R209	1-218-285-11	METAL CHIP	75	5%	1/10W												
R210	1-218-831-11	METAL CHIP	220	0.50%	1/10W												
R211	1-218-831-11	METAL CHIP	220	0.50%	1/10W												
R212	1-216-864-11	SHORT CHIP															
R213	1-216-821-11	METAL CHIP	1K	5%	1/10W												
R214	1-216-821-11	METAL CHIP	1K	5%	1/10W												
<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">H3U</div> * A-1172-591-B H3U BOARD, MOUNTED						VARISTOR											
						VD201	1-802-082-11	VARISTOR			(SMD)						
						VD202	1-802-082-11	VARISTOR			(SMD)						
						VD203	1-802-082-11	VARISTOR			(SMD)						
						<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">H3U</div> * A-1172-591-B H3U BOARD, MOUNTED						CAPACITOR					
C302	1-162-960-11	CERAMIC CHIP	220pF	10%	50V												
C303	1-119-667-11	CERAMIC CHIP	22 μ F		10V												
C305	1-165-908-11	CERAMIC CHIP	1 μ F	10%	10V												
C307	1-107-826-11	CERAMIC CHIP	0.1 μ F	10%	16V												
C308	1-126-205-11	ELECT CHIP	47 μ F	20%	6.3V												
<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">H3U</div> * A-1172-591-B H3U BOARD, MOUNTED						CONNECTOR											
						CN301	1-820-187-11	HEADER ASSEMBLY (PRINT PWB)10P									
						<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">H3U</div> * A-1172-591-B H3U BOARD, MOUNTED						DIODE					
												D302	8-719-085-26	DIODE	CL-165HR/SYG-D-T		
												D305	8-719-085-26	DIODE	CL-165HR/SYG-D-T		
D308	6-500-817-01	DIODE	(LED)	SML-512UWT86													
<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">H3U</div> * A-1172-591-B H3U BOARD, MOUNTED												IC					
						IC301	6-600-502-01	HIC	GP1UE26RK0VF								
						IC302	6-600-447-01	IC	TPS853(SONY)								
						<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">H3U</div> * A-1172-591-B H3U BOARD, MOUNTED						TRANSISTOR					
												Q301	8-729-028-96	TRANSISTOR	DTC114EUA-T106		
Q302	8-729-028-96	TRANSISTOR	DTC114EUA-T106														
Q303	8-729-028-96	TRANSISTOR	DTC114EUA-T106														
Q304	8-729-028-96	TRANSISTOR	DTC114EUA-T106														
Q305	8-729-028-96	TRANSISTOR	DTC114EUA-T106														
Q306	8-729-602-36	TRANSISTOR	2SA1602-F														



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
<u>RESISTOR</u>											
R301	1-216-819-11	METAL CHIP	680	5%	1/10W						
R302	1-216-815-11	METAL CHIP	330	5%	1/10W						
R303	1-216-819-11	METAL CHIP	680	5%	1/10W						
R304	1-216-815-11	METAL CHIP	330	5%	1/10W						
R305	1-216-823-11	METAL CHIP	1.5K	5%	1/10W						
R306	1-216-817-11	METAL CHIP	470	5%	1/10W						
R307	1-216-805-11	METAL CHIP	47	5%	1/10W						
R309	1-216-839-11	METAL CHIP	33K	5%	1/10W						
R310	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R311	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R313	1-216-849-11	METAL CHIP	220K	5%	1/10W						
R314	1-216-849-11	METAL CHIP	220K	5%	1/10W						
R315	1-216-864-11	SHORT CHIP									
R316	1-216-827-11	METAL CHIP	3.3K	5%	1/10W						

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 spécifique.

REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
ACCESSORIES AND PACKING				MISCELLANEOUS			
*	X-2102-511-1	BAG ASSEMBLY, RUDDER LOCK			2-596-649-01	+KTT 3X10 (S TYPE)	
*	2-629-958-11	BAG, PROTECTION (KDL-26S2000 ONLY)			X-2109-045-1	BRACKET, (A,TU)(UC) ASSEMBLY	
*	2-663-104-01	BOARD, TOP (KDL-40S2000 ONLY)			X-2109-589-1	BRACKET, G1 ASSEMBLY (KDL-26S2000/32S2000 ONLY)	
*	2-664-322-03	BOX,ACCESSORY (KDL-26S2000/32S2000 ONLY)			2-664-617-01	BRACKET, G2 (KDL-40S2000 ONLY)	
	1-831-554-11	CABLE ASSY (15P DSUB CONNECTOR)			4-088-215-01	GASKET (13X13) (KDL-26S2000/32S2000 ONLY)	
	1-765-167-62	CABLE, COAXIAL (WITH (F) PLUG)			1-910-026-27	HARNESS ASSEMBLY (1) (KDL-40S2000 ONLY)	
*	2-664-676-01	CUSHION (LOWER) (KDL-26S2000 ONLY)			4-635-966-01	SCREW (HEX)	
*	2-664-321-02	CUSHION (LOWER) (KDL-32S2000 ONLY)			2-674-965-11	SCREW +PSW 3SG (KDL-40S2000 ONLY)	
*	2-663-103-01	CUSHION (LOWER) (KDL-40S2000 ONLY)			2-580-639-01	SCREW, +BVTP2 4X12	
*	2-664-675-02	CUSHION (UPPER) (KDL-26S2000 ONLY)			2-580-602-01	SCREW, +PSW M4X12	
*	2-664-320-01	CUSHION (UPPER) (KDL-32S2000 ONLY)			2-593-320-02	SCREW, CION (M6X18)	
*	2-663-102-01	CUSHION (UPPER) (KDL-40S2000 ONLY)			2-580-663-01	SCREW, WOOD 3.8X20	
	2-682-150-11	GUIDE, QUICK SET UP (English Version)			2-676-025-01	SCREW,WTP 5X35 (KDL-40S2000 ONLY)	
	2-682-150-21	GUIDE, QUICK SET UP (French Version)			3-674-673-01	STOPPER (A) (KDL-40S2000 ONLY)	
	2-682-150-31	GUIDE, QUICK SET UP (Spanish Version)			REMOTE COMMANDER		
*	4-067-995-01	HANDLE (E) (KDL-40S2000 ONLY)			1-479-686-11	REMOTE COMMANDER (RM-YD005)	
*	2-666-812-01	INDIVIDUAL CARTON (KDL-26S2000 ONLY)					
*	2-671-170-02	INDIVIDUAL CARTON (KDL-32S2000 ONLY)					
*	2-671-113-01	INDIVIDUAL CARTON (KDL-40S2000 ONLY)					
	2-681-874-11	MANUAL, INSTRUCTION (English Version)					
	2-681-874-21	MANUAL, INSTRUCTION (French Version)					
	2-681-874-31	MANUAL, INSTRUCTION (Spanish Version)					
	1-831-499-11	POWER-SUPPLY CORD SET (KDL-26S2000 ONLY)					
	1-831-499-21	POWER-SUPPLY CORD SET (KDL-32S2000 ONLY)					
	1-832-937-11	AC POWER-SUPPLY CORD (KDL-40S2000 ONLY)					
*	2-663-245-01	TRAY (KDL-40S2000 ONLY)					

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Sony Technology Center
Technical Services
Service Promotion Department

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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.