

Service Manual

LCD TV



Model No. TH-L42U30R

Chassis: KM11

Destination: IRAN

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

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1 Safety Precautions

1.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.
4. When conducting repairs and servicing, do not attempt to modify the equipment, its parts or its materials.
5. When wiring units (with cables, flexible cables or lead wires) are supplied as repair parts and only one wire or some of the wires have been broken or disconnected, do not attempt to repair or re-wire the units. Replace the entire wiring unit instead.
6. When conducting repairs and servicing, do not twist the Faston connectors but plug them straight in or unplug them straight out.

1.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be 100 Mohm and over. When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

1.1.2. Leakage Current Hot Check (See Figure 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5kohm, 10 watts resistor, in parallel with a 0.15 μ F capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

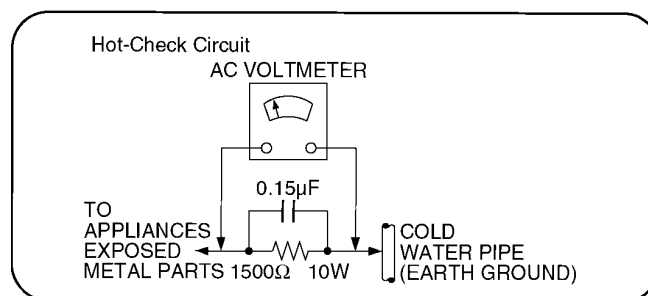


Figure 1

2 Warning

2.1. Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor [chip] components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as [anti-static (ESD protected)] can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise ham less motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

2.2. About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

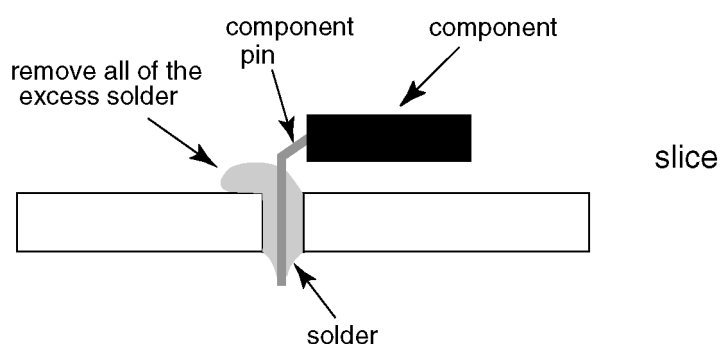
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

PCBs manufactured using lead free solder will have the PbF within a leaf Symbol **PbF** stamped on the back of PCB.

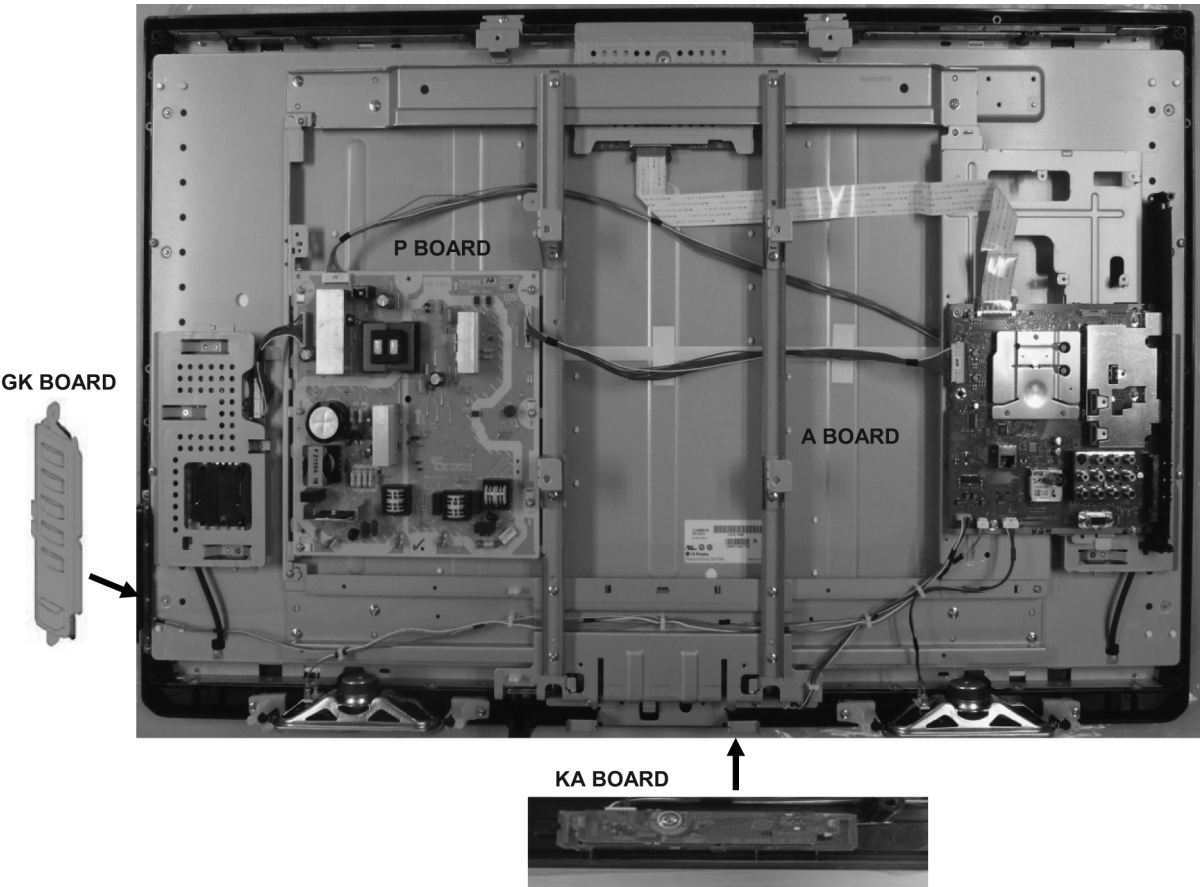
Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



3 Service Navigation

3.1. Service Hint



Board Name	Main Device	Remarks
A BOARD	AVSW, TUN, OFDM, P-SLD2, EEP	Repairable
P BOARD	Power Supply	Repairable
KA BOARD	Remote, LED, Luminance Sensor	Repairable
GK BOARD	Power Switch, Keyscan	Repairable

4 Specifications

Power Source	AC 220 - 240 V, 50 / 60 Hz
Power Consumption	
Power Rating	184 W
Standby Condition	0.25 W
Display panel	
Aspect Ratio	16:9
Visible screen size	106 cm (diagonal) 930 mm (W) × 523 mm (H)
Number of pixels	2,073,600 (1,920 (W) × 1,080 (H))
Sound	
Speaker	(160 mm × 42 mm) × 2 pcs, 8 Ω
Audio Output	20 W (10 W + 10 W)
Headphones	M3 (3.5 mm) stereo mini Jack × 1
PC signals	VGA, SVGA, WVGA, XGA SXGA, WXGA (compressed) Horizontal scanning frequency 31 - 69 kHz Vertical scanning frequency 59 - 86 Hz

Receiving Systems / Band name	17 SYSTEMS	FUNCTIONS
	1 PAL B, G, H 2 PAL I 3 PAL D, K 4 SECAM B, G 5 SECAM D, K 6 SECAM K1 7 NTSC M (NTSC 3.58 / 4.5MHz)	Reception of broadcast transmission and playback from video cassette tape recorders.
	8 NTSC 4.43 / 5.5 MHz 9 NTSC 4.43 / 6.0 MHz 10 NTSC 4.43 / 6.5 MHz 11 NTSC 3.58 / 5.5 MHz 12 NTSC 3.58 / 6.0 MHz 13 NTSC 3.58 / 6.5 MHz 14 SECAM I	Playback from special VCR's or DVD.
	15 PAL 60 Hz / 5.5 MHz 16 PAL 60 Hz / 6.0 MHz 17 PAL 60 Hz / 6.5 MHz	Playback from Special Disc Players and Special VCR's or DVD.

Receiving Channels (Analogue TV)	
VHF BAND	2 - 12 (PAL / SECAM B, K1) 0 - 12 (PAL B AUST.) 1 - 9 (PAL B N.Z.) 1 - 12 (PAL / SECAM D) 1 - 12 (NTSC M JAPAN) 2 - 13 (NTSC M USA)
UHF BAND	21 - 69 (PAL G, H, I / SECAM G, K, K1) 28 - 69 (PAL B AUST.) 13 - 57 (PAL D, K) 13 - 62 (NTSC M JAPAN) 14 - 69 (NTSC M USA)
CATV	S1 - S20 (OSCAR) 1 - 125 (USA CATV) C13 - C49 (JAPAN) S21 - S41 (HYPER) Z1 - Z37 (CHINA) 5A, 9A (AUST.)

Aerial - Rear	VHF / UHF
Operating Conditions	Temperature : 0°C - 40°C Humidity : 20 % - 80 % RH (non-condensing)

Connection Terminals			
AV1 Input	AUDIO L-R	RCA PIN Type × 2	0.5 V [rms]
	VIDEO	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)
	COMPONENT	Y	1.0 V [p-p] (including synchronization)
		P _B /C _B , P _R /C _R	± 0.35 V [p-p]
AV2 Input	AUDIO L-R	RCA PIN Type × 2	0.5 V [rms]
	VIDEO	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)
AV3 Input	AUDIO L-R	RCA PIN Type × 2	0.5 V [rms]
	VIDEO	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)

Audio Output Others	AUDIO L-R	RCA PIN Type × 2	0.5 V [rms] (high impedance)
	HDMI 1 - 3 Input	TYPE A Connectors	• This TV supports 'HDAVI Control 5' function.
	PC Input	HIGH-DENSITY D-SUB 15 PIN	R / G / B: 0.7 V[p-p] (75 Ω)
			HD / VD: TTL LEVEL 2.0-5.0 V [p-p] (high impedance)
	DIGITAL AUDIO OUT	PCM / Dolby Digital, Fiber optic	
	Card Slot	SD Card slot × 1	
	USB 1/2	USB 2.0 TYPE A Connectors	DC 5 V, Max. 500 mA
	ETHERNET	10BASE-T / 100BASE-TX	
Dimension (W x H x D)		1,021 mm × 666 mm × 288 mm (With Pedestal)	
		1,021 mm × 632 mm × 107 mm (TV only)	
Mass		19.0 kg Net (With Pedestal)	
		17.0 kg Net (TV only)	

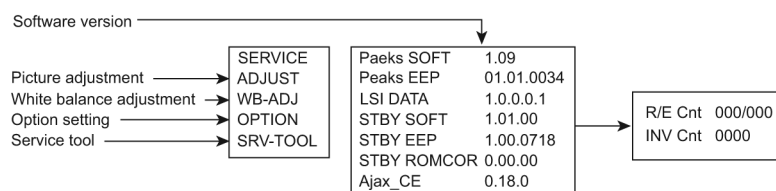
Note

- Design and Specifications are subject to change without notice. Mass and Dimensions shown are approximate.

5 Service Mode

5.1. How to enter into Service Mode

While pressing [VOLUME (-)] button of the main unit, press [INFO] button of the remote control three times within 2 seconds.



5.1.1. Contents of adjustment mode

- Value is shown as a hexadecimal number.
- Preset value differs depending on models.
- After entering the adjustment mode, take note of the value in each item before starting adjustment.

Main item	Sub item	Sample Data
ADJUST	CONTRAST	000
	COLOR	59
	TINT	FE
	SUB-BRT	800
	BACKLGT	20D
	B-Y-G	40
	R-Y-A	0
	VCOM	189
WB-ADJ	R-GAIN	75
	G-GAIN	80
	B-GAIN	65
	R-CENT	80
	G-CENT	80
	B-CENT	9B
OPTION	Boot	ROM
	STBY-SET	00
	EMERGENCY	ON
	CLK MODE	00
	CLOCK	FC7
	EDID-CLK	HIGH
SRV-TOOL		00

5.1.2. How to exit

Switch off the power with the [POWER] button on the main unit or the [POWER] button on the remote control.

5.2. SRV-TOOL

5.2.1. How to access

1. Select [SRV-TOOL] in Service Mode.
2. Press [OK] button on the remote control.

	SRV-TOOL	
Display of TD2Microcode version →	TD2Microcode:0075004	
Display of Flash ROM maker code →	Flash ROM : AD-F1	
Display of SOS History →	PTCT : 00 . 00 . 00 . 00 . 00	Time 00016.46 Count 0000024

POWER ON TIME/COUNT
Press [MUTE] button (3sec)

5.2.2. Display of SOS History

SOS History (Number of LED blinking) indication.

From left side; Last SOS, before Last, three occurrence before, 2nd occurrence after shipment, 1st occurrence after shipment.

This indication except 2nd and 1st occurrence after shipment will be cleared by [Self-check indication and forced to factory shipment setting].

5.2.3. POWER ON TIME/COUNT

Note : To display TIME/COUNT menu, highlight position, then press MUTE for 3sec.

Time : Cumulative power on time, indicated hour : minute by decimal

Count : Number of ON times by decimal

Note : This indication will not be cleared by either of the self-checks or any other command.

5.2.4. Exit

1. Disconnect the AC cord from wall outlet.

5.2.5. Self Check Mode

1. Press the 'MENU' button (on the remote control) and the 'VOL DOWN' button on the LCD panel.
2. Press ON/OFF button on the panel to Exit.

5.2.6. Hotel Mode Adjustment

1. Press the 'VOLUME DOWN' button on the TV panel and simultaneously press the AV button on the remote control 3 times to enter Hotel Mode.
2. Set Hotel mode 'on/off', then press 'EXIT' to come out.

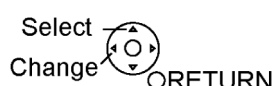
5.2.7. Hotel Mode

1. Purpose
Restrict a function for hotels.
2. Access command to the Hotel mode setup menu.
In order to display the Hotel mode setup menu, please enter the following command (**within 2 second**).
[TV] : Vol [Down] + [REMOTE] : INPUT (3 times).

Then, the Hotel mode setup menu is displayed.

Hotel Mode

Mode	Off
Input	-
Channel	-
Volume	+ 25
Vol. Max	+ 100
OSD Ctrl	Off
FP Ctrl	Off
Pow Ctrl	Off



3. To exit the Hotel mode setup menu
Disconnect AC power cord from wall outlet.
4. Explain the Hotel mode setup menu

Item	Function
Mode	Select hotel mode ON/OFF
Input	Select input signal modes. Set the input, when each time power is switched on. Selection : -/RF/HDMI1/HDMI2/HDMI3/Component/Video/PC • Off: give priority to a last memory.
Channel	Select channel when input signal is RF. Set the channel, each time power is switched on. Selection : Any channel number or [-]. [-] means the channel when turns off.
Volume	Adjust the volume when each time power is switched on. Range : 0 to 100
Vol. Max	Adjust maximum volume. Range : 0 to 100
OSD Ctrl	Restrict the OSD. Selection : OFF/PATTERN1 • OFF: No restriction • PATTERN1: restriction
FP Ctrl	Select front key conditions. Selection : OFF/PATTERN1/ALL • OFF: altogether valid. • PATTERN1: only input key is valid. • ALL: altogether invalid.
Pow Ctrl	Select POWER-ON/OFF condition when AC power cord is disconnected and then connected. OFF: The same condition when AC power cord is disconnected. ON: Forced power ON condition.

6 Troubleshooting Guide

Use the self-check function to test the unit.

- 1. Checking the IIC bus lines
- 2. Power LED Blinking timing

6.1. Check of the IIC bus lines

6.1.1. How to access

Self-check indication only:
Produce TV reception screen, and while pressing [VOLUME (-)] button on the main unit, press [OK] button on the remote control for more than 3 seconds.

Self-check indication and forced to factory shipment setting:
Produce TV reception screen, and while pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

6.1.2. Exit

Disconnect the AC cord from wall outlet.

6.1.3. Screen display

SELF CHECK

---- . XXXXXX - XXXXXX

PEAKS	OK
TUN	OK
AVSW	OK
STBY	OK
MEM1	OK
MEM2	OK
MEM3	OK
DCDC	OK
DAC	OK
ID	OK

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6.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

When an abnormality occurs, the protection circuit will operate and reset the unit to stand by mode. During this time, the defective block can be identified by the number of blinking times of the Power LED on the front panel of the unit as follow:

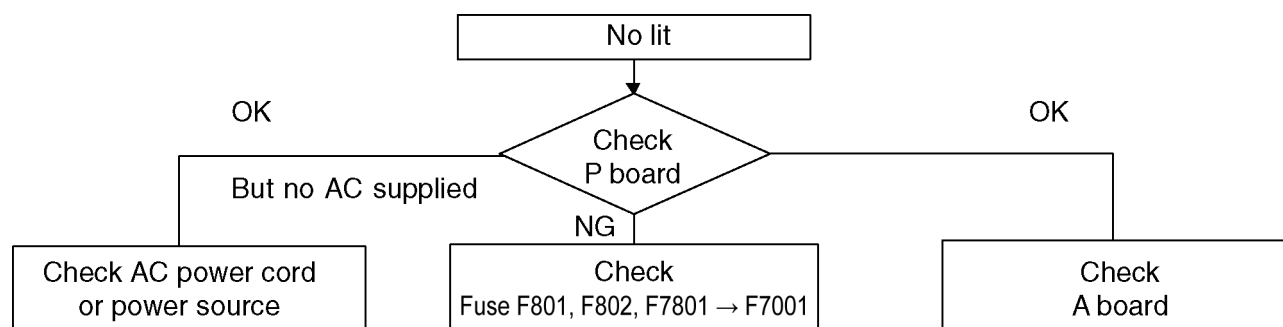
LCD		Remark	PCB NAME
Times	SOS		
1	BackLight_SOS		A BOARD ↓
2	FAN_SOS	Peaks	
3	SOS(Tuner_SOS)	SUB3.3V/panel_15V	
4	SUB12V_SENSE_SOS		
7	SUB3.3V_SENSE_SOS		
9	SOUND_SOS		
10	ZWEI2_SOS	detect of IIC	
12	BackEnd(sLD)_SOS		
13	EMERGENCY_SOS	communication error	
14	IROM_SOS	Error of STM micon	

6.3. No Power

First check point

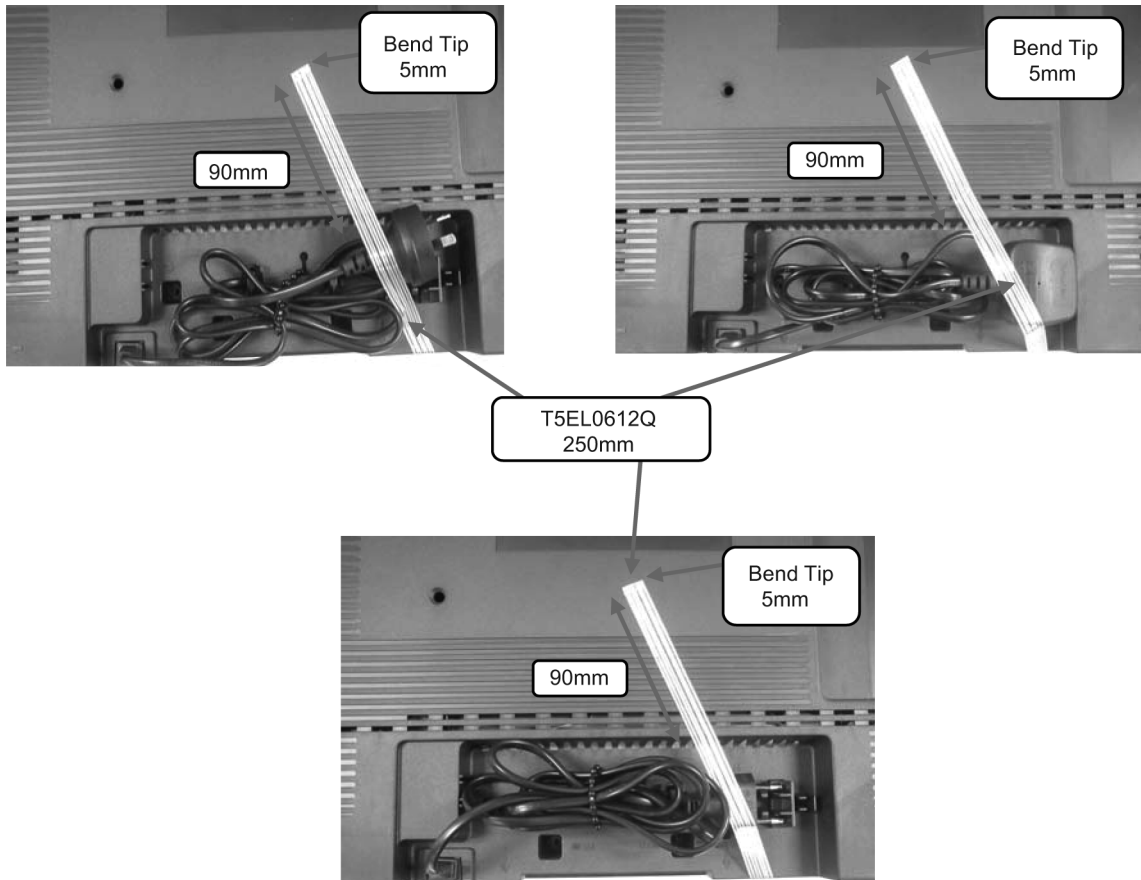
There are following 2 states of No Power indication by power LED.

1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 6.2.)



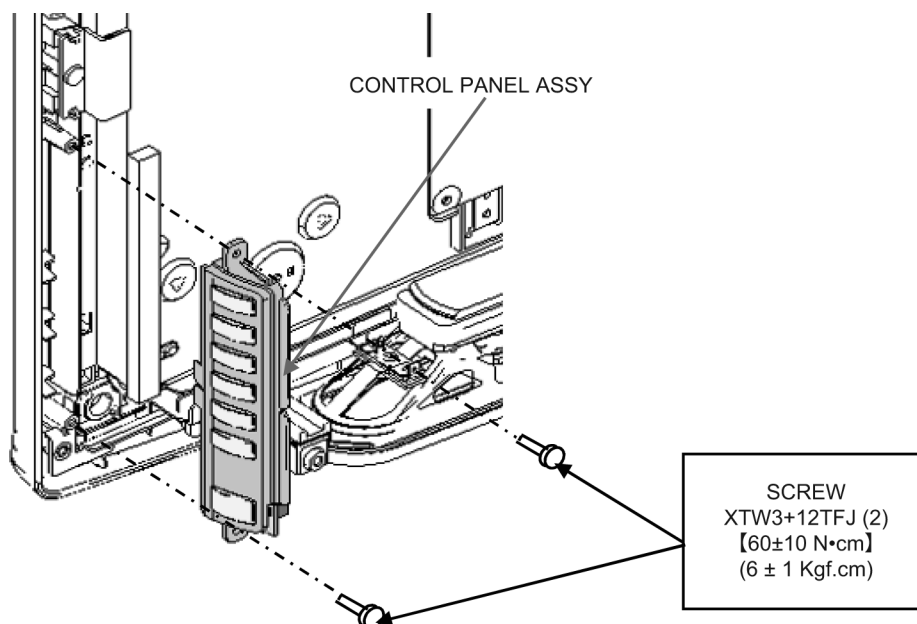
7 Disassembly and Assembly Instructions

7.1. AC Cord Dressing



7.2. Control Panel Assembly & Clamper Installation

1. Put control panel Assy on the cabinet.
2. Fix the control panel with screws.



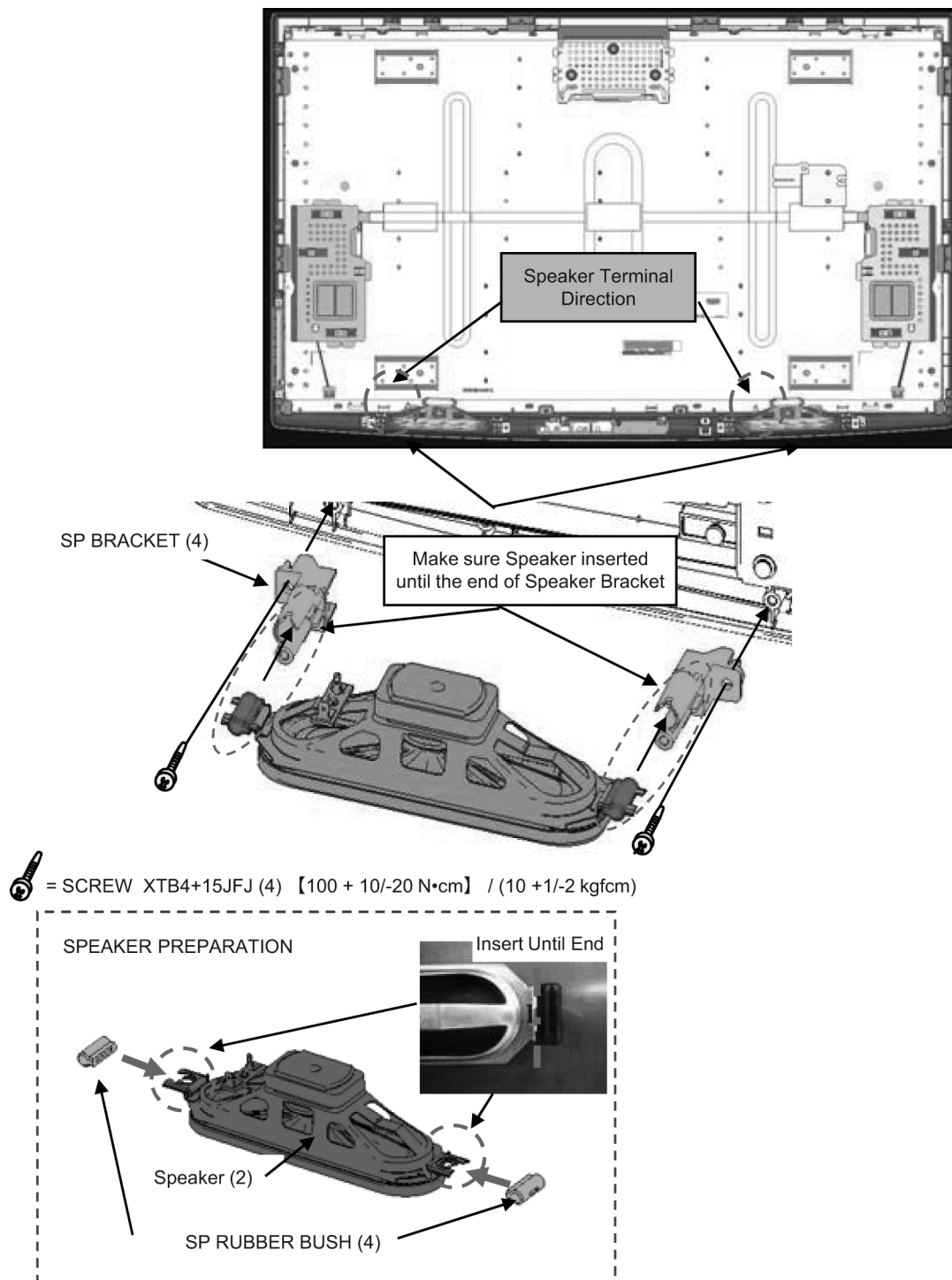
Fix clamper at bottom mtg



- | | |
|--|---------------------------|
| | CLAMPER = TMME268 (8 pcs) |
| | CLAMPER = TMME381 (1 pc) |

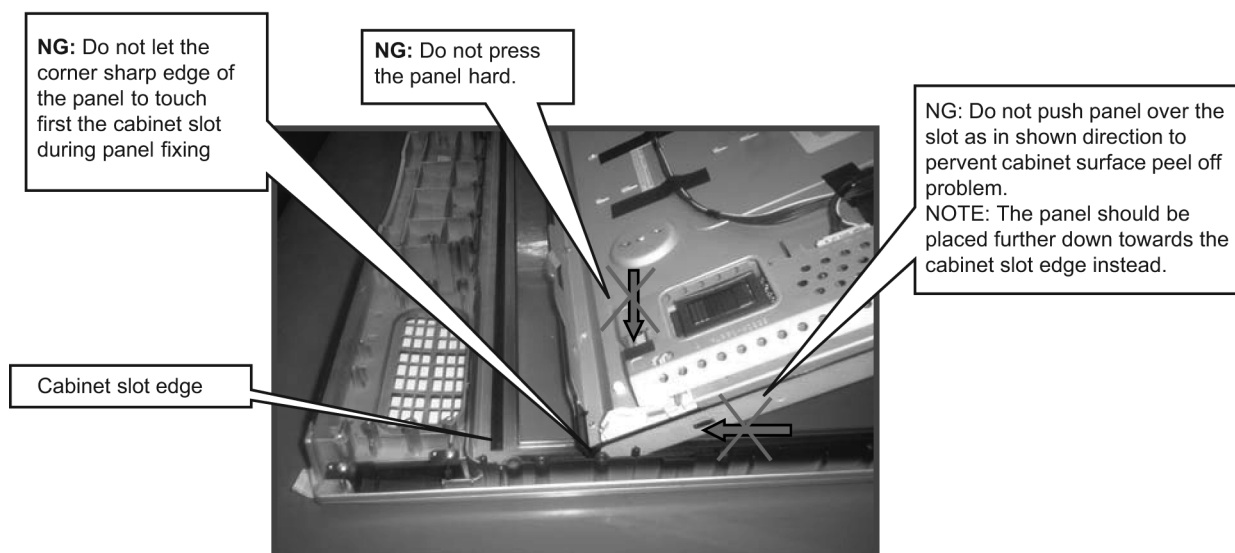
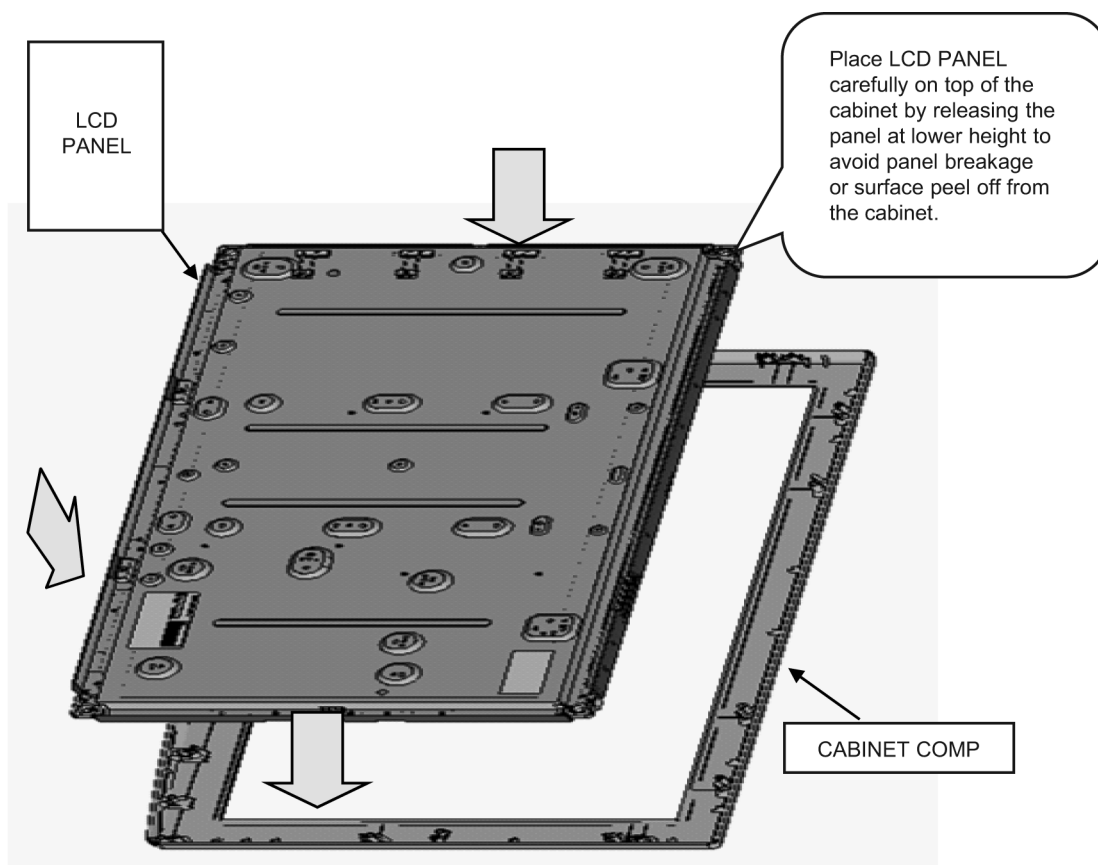
7.3. Speaker Preparation & Installation

1. SP bracket put on cabinet.
2. Fix them with screws.
3. Insert the SP rubber bush into the SP unit.
4. Insert the SP unit to the SP bracket.



7.4. LCD Panel Fixing & Handling Method

1. Place down the cabinet as shown below.
2. Fix LCD panel into the cabinet by taking below precautions.

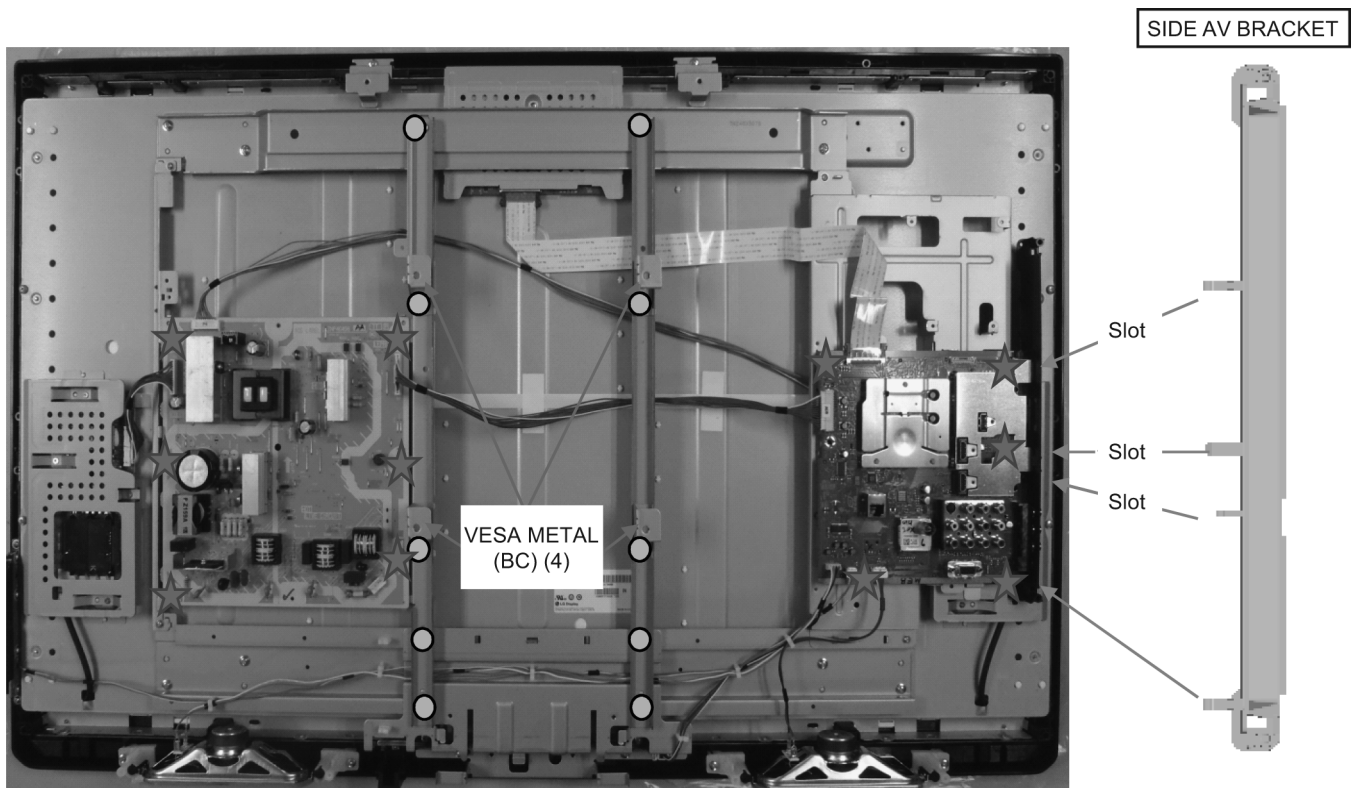


Other general precautions

1. Do not press panel surface to avoid blue spot on the panel display.
2. Do not use hard cloth or rub the surface too hard. This may cause scratches on the surface.
3. Take care not to subject the TV's surface to water or detergent. Any liquid (including pets urine) if enters the product could lead to TV failure.
4. Take care not to subject the surface to insect repellent, solvent, thinner or other volatile substances. This may degrade surface quality or cause peeling of the paint.
5. The surface of the display panel is specially treated and may be easily damaged. Take care not to tap or scratch with your fingernail or other hard objects.

7.5. LCD Bracket Install & Side AV Bracket Install

1. Fix Vesa Metal (BC) and fix screw.
2. Fix screw at P-Board and A-Board.
3. Stick Side AV indi. Sheet at Side AV bracket.
4. Slot Side AV to A-Board.

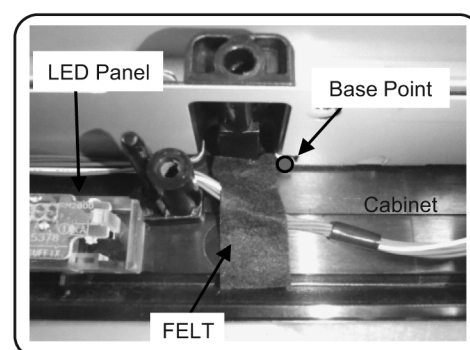
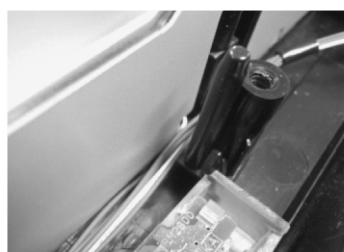
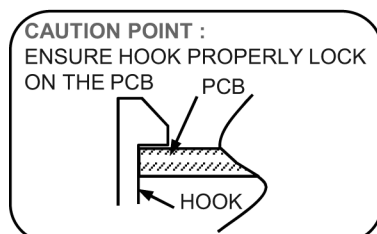
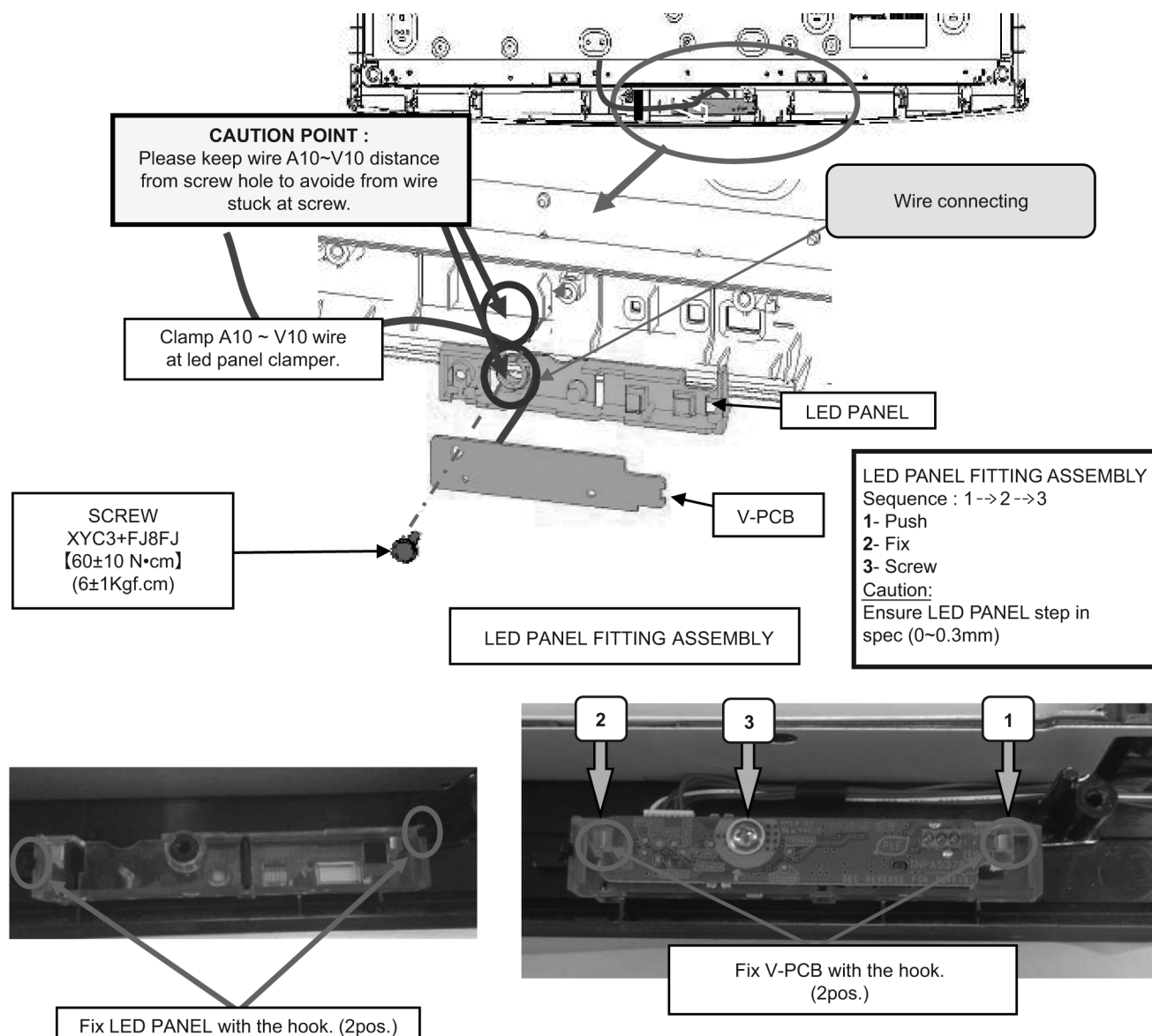


○ = SCREW - XTB4+15JFJ (10) 【110 +20/-10N•cm】 (11 ±2/-1 Kgf.cm)

★ = SCREW - XYC3+FJ8FJ (11) 【110±10N•cm】 (11 ± 1Kgf.cm)

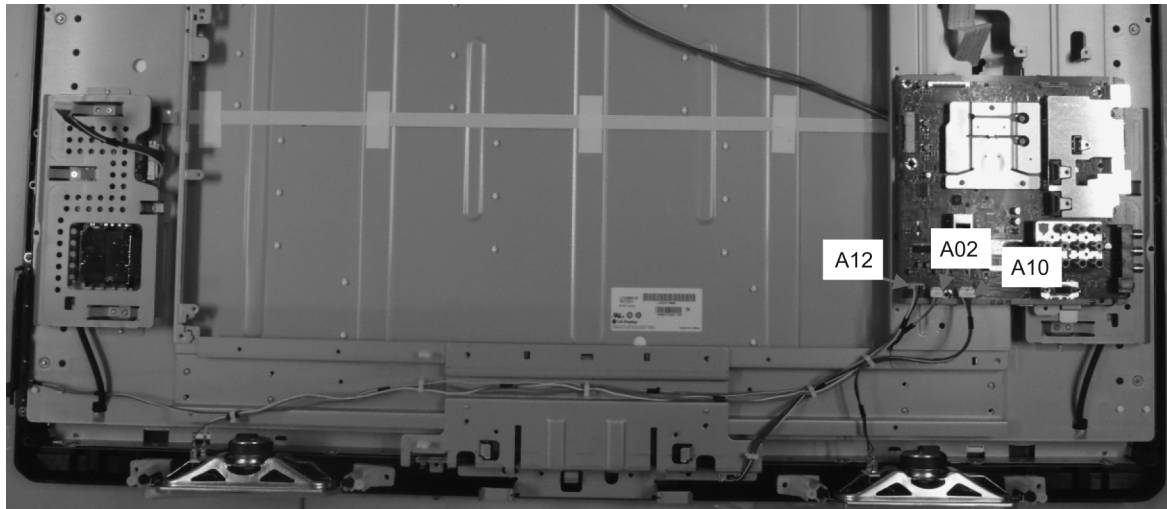
7.6. LED Panel Installation

1. Fix LED Panel on CABINET.
2. Wire connecting. (V10)
3. Put V-PCB on CABINET.
4. Fix them with SCREW.
5. Stick felt at A10~V10 wire.

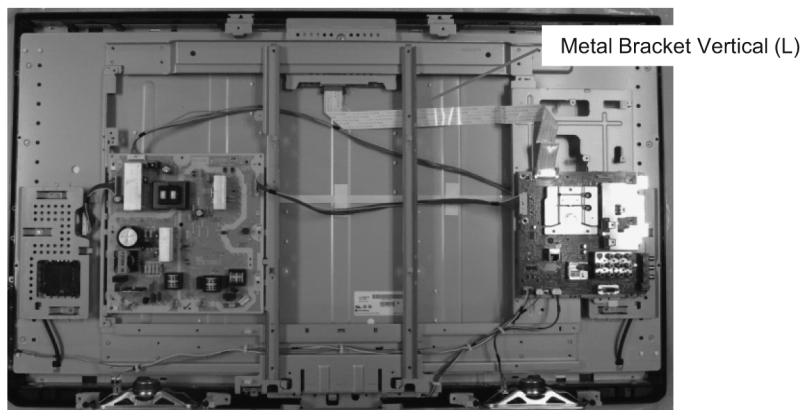
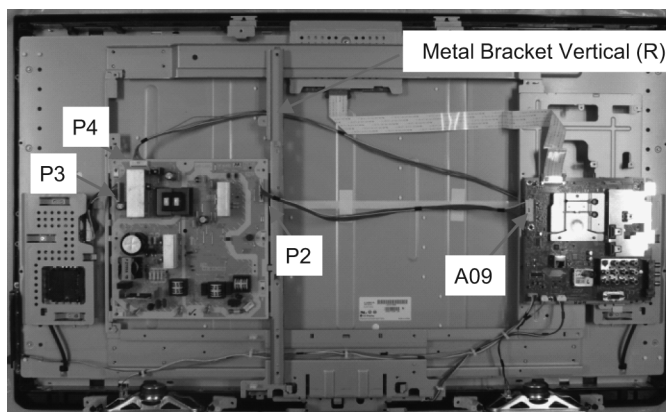


7.7. Metal Bracket & PCB Fixing

1. Fix A-Board to Chassis Frame Bracket.
2. Insert wire at A-Board and dressing wire.

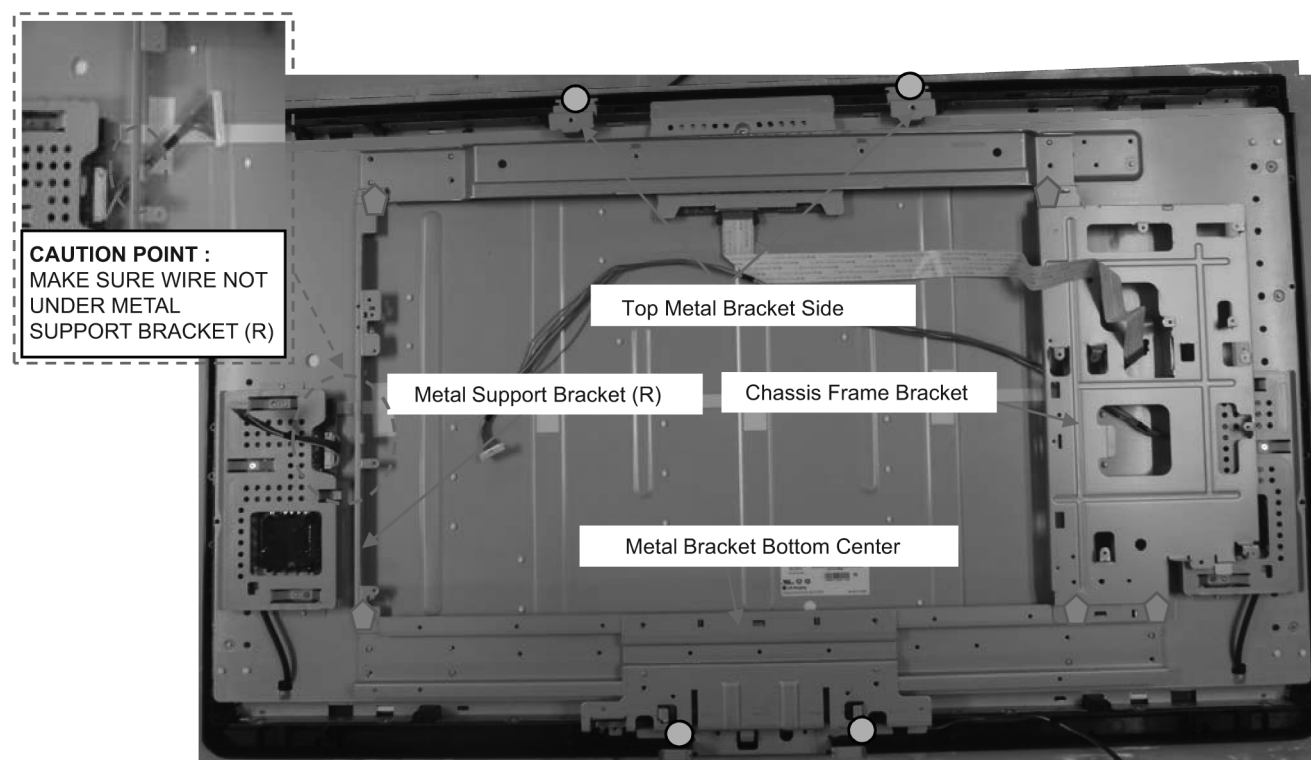
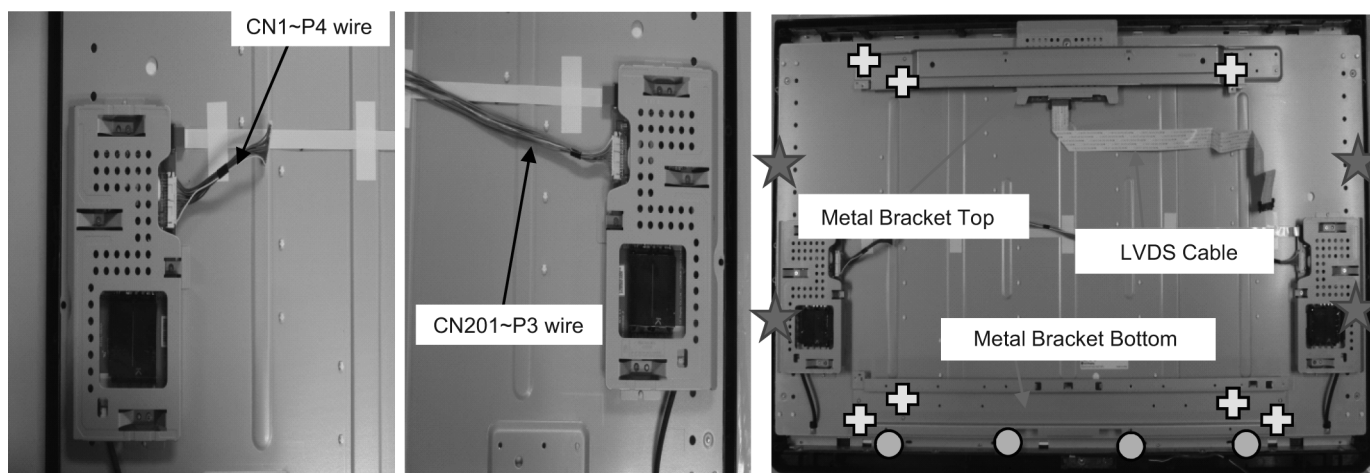


1. Fix Metal Bracket Vertical (R).
2. Fix P-Board and insert wire at P-Board and A-Board.
3. Fix Metal Bracket Vertical (L).



7.8. Metal Bracket and Wire Install

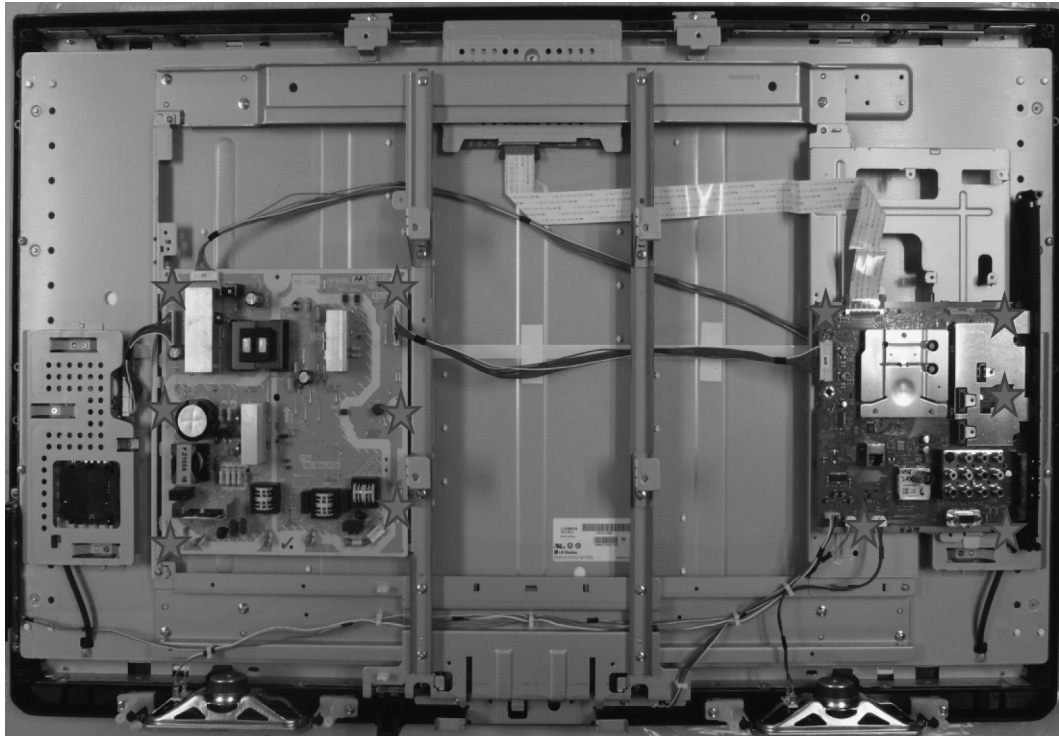
1. Insert CN1~P4 wire to inveter.
2. Insert CN201~P3 wire to inveter.
3. Fix LVDS cable to inveter (Remove dust of terminal of LVDS and PB connector. (by ion blow)
4. Fix Metal Bracket Top, Metal Bracket Bottom and fix screw.
5. Fix Top Metal Bracket Side, Metal Bracket Bottom Center and fix screw.
6. Fix Chassis Frame Bracket, Metal Support Bracket (R) and fix screw.



- ★ = SCREW - XTB4+25JFJ (4) 【110±10N•cm】 (10 ± 1 Kgf.cm)
- = SCREW - XTB4+15JFJ (8) 【110+20/-10N•cm】 (11 +2/-1 Kgf.cm)
- ⊕ = SCREW - THE4GJ001J (7) 【130±10N•cm】 (13 ±Kgf.cm) 1Kgf.cm)
- ⬠ = SCREW - XTW3+8TFJ (5) 【110±10N•cm】 (11 ± 1Kgf.cm)

7.9. Disassembly P board and A Board Assembly

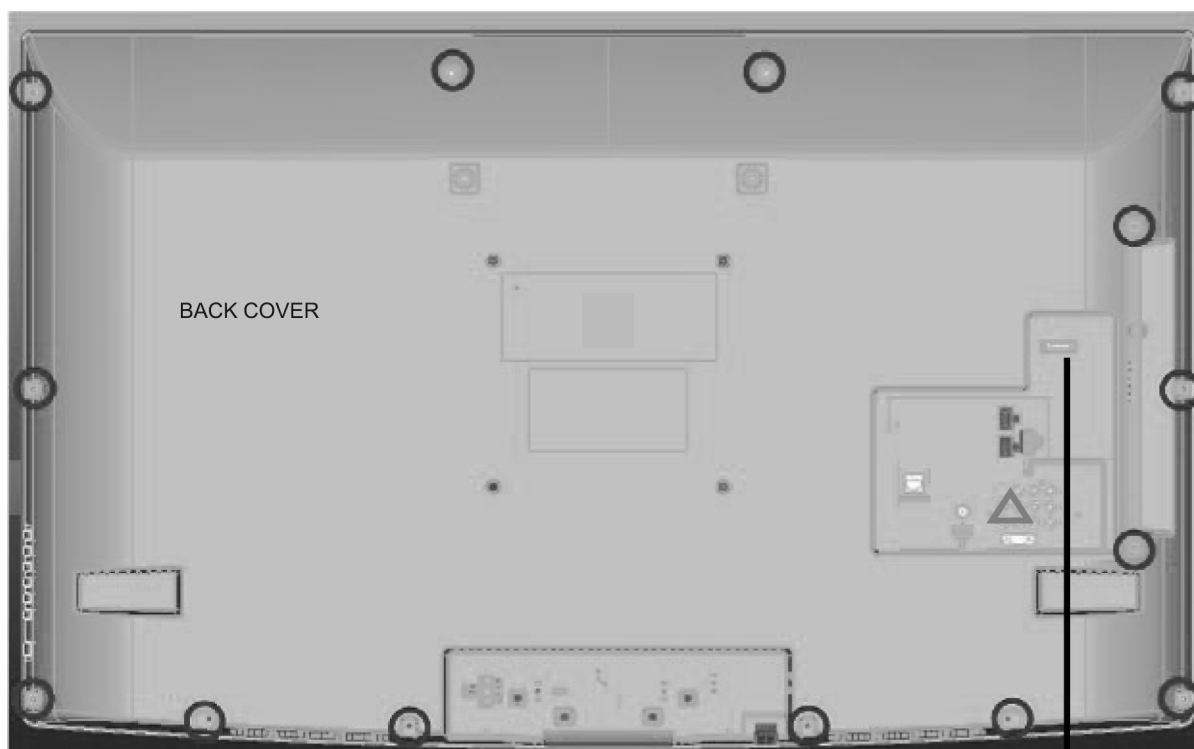
1. Open A-board 5pcs screws.
2. Open P-board 6pcs screws.



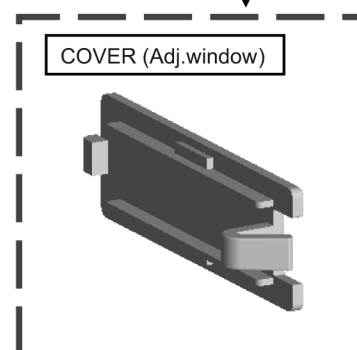
★ = SCREW - XYC3+FJ8FJ (11PCS) 【110±10N・cm】 1Kgf.cm)

7.10. Back Cover Assembly

1. Fix the BACK COVER with SCREWS 14pcs and 1pcs at AV side.
2. Insert COVER (Adj.window)



First, please insert BC topside.

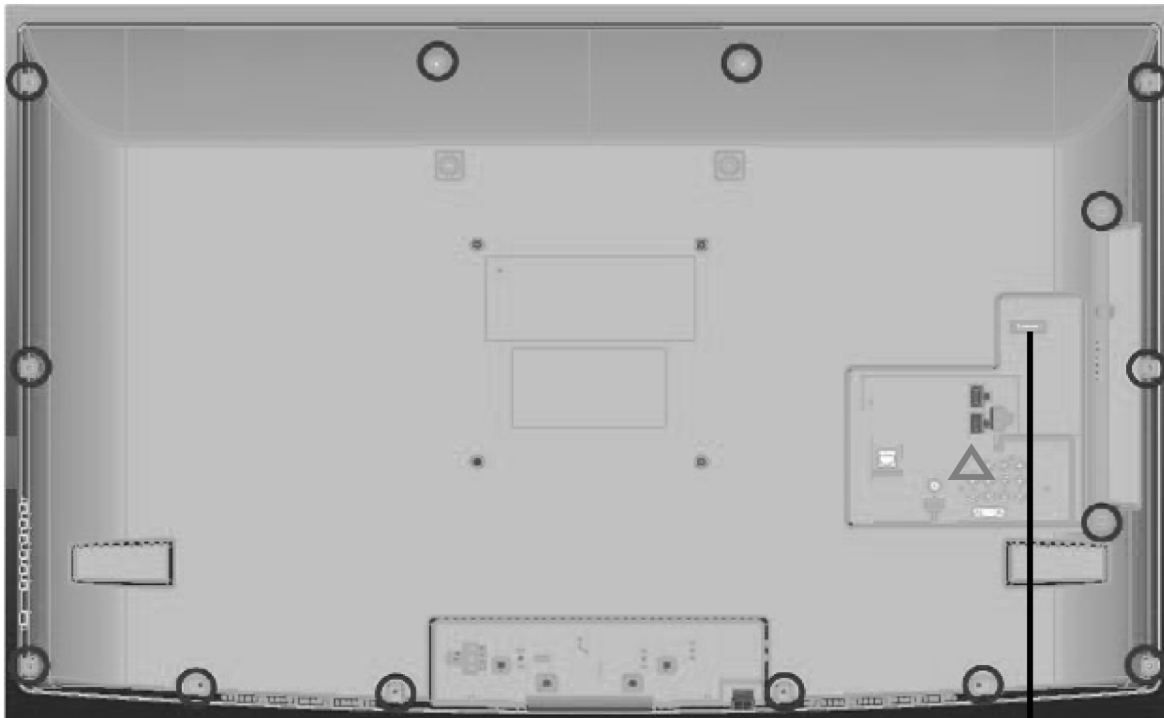


○ = SCREW XTB4+18JFJK (14) 【100 ± 20 N•cm】 (10 ± 2 Kgf.cm)

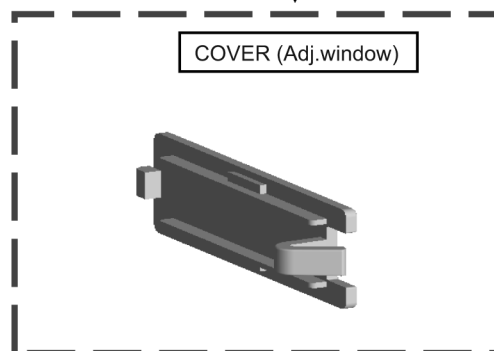
△ = SCREW - XTV3+8GFJK (1) 【60±10 N•cm】 (6 ± 1 Kgf.cm)

7.11. Disassembly Back Cover Assembly

1. Open the BACK COVER with 14pcs and 1pcs screw at AV Side.
2. Open the COVER (Adj. window).



First, please open BackCover Bottomside.



○ = SCREW XTB4+18JFJK (14) 【100 ± 20 N•cm】 (10 ± 2 Kgf.cm)

△ = SCREW - XTV3+8GFJK (1) 【60±10 N•cm】 (6 ± 1 Kgf.cm)

8 Measurements and Adjustments

8.1. Voltage chart of A-board

Set A-Board to a dummy set and check the satisfaction with the specified voltage as following table.

VOLTAGE	TEST POINT	SPECIFICATION
SUB1.8V	TP8700	1.74 - 1.90 V
SUB1.2V	TP8100	1.18 - 1.32 V
SUB3.3V	TP8701	3.19 - 3.46 V
SUB5V	TP8702	4.75 - 5.25 V
STB5V	TP5400	4.9 - 5.1 V
SUB1.5V	TP8101	1.4 - 1.6 V

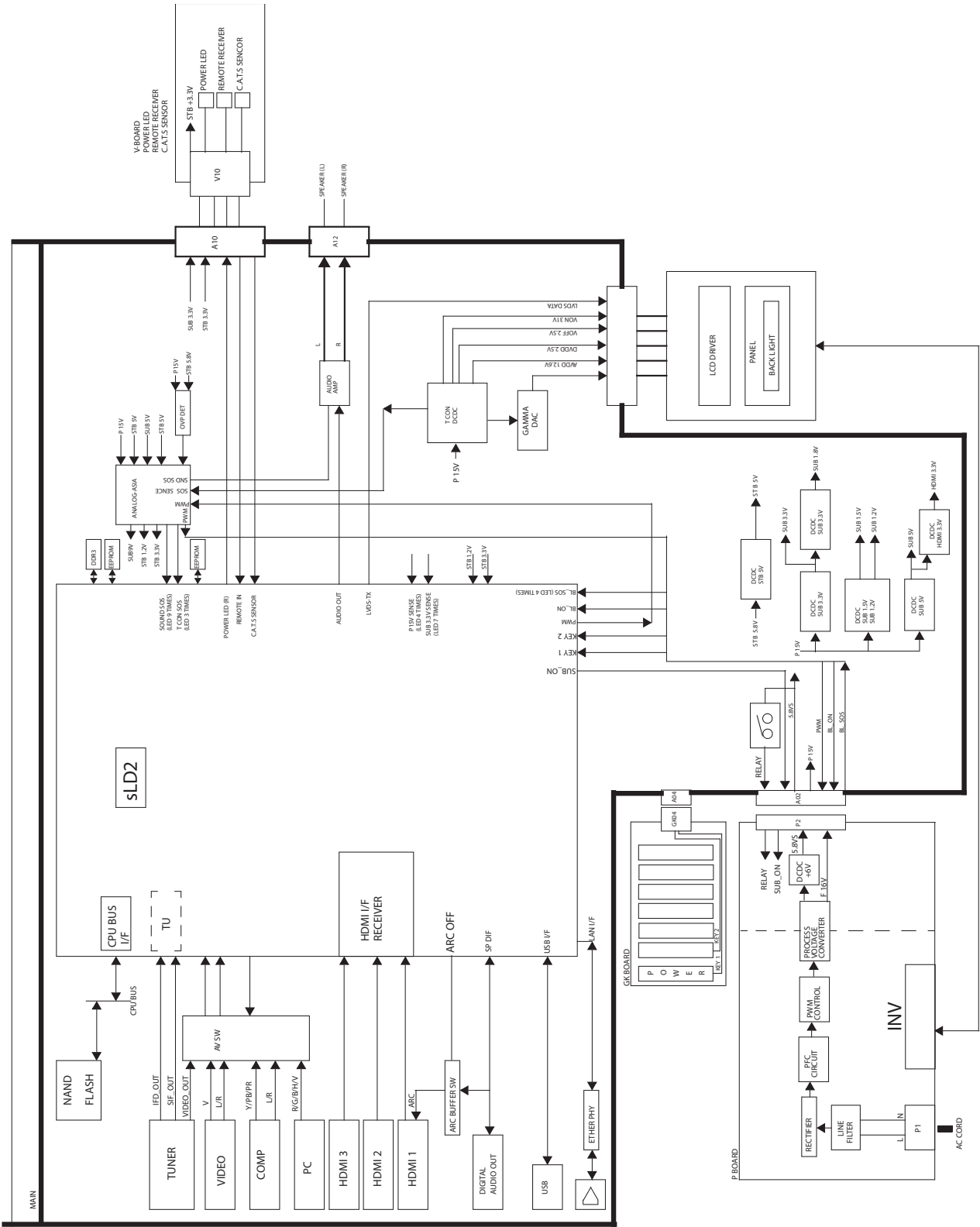
8.2. Voltage chart of P-board

Set P-Board to a dummy set and check the satisfaction with the specified voltage as following table.

VOLTAGE	TEST POINT	SPECIFICATION	* HOT
PFC390V	+TP811, TP812	390 ± 15V	
	+TP813, TP814		
PVT16V	+TP818, TP819	15.6 ± 1.5V	
	+TP828, TP827		
24V	+TP830, TP829	24 ± 2V	
	+TP828, TP827		
STBY6V	+TP816, TP817	5.8 ± 0.8V	
	+TP828, TP827		

9 Block Diagram

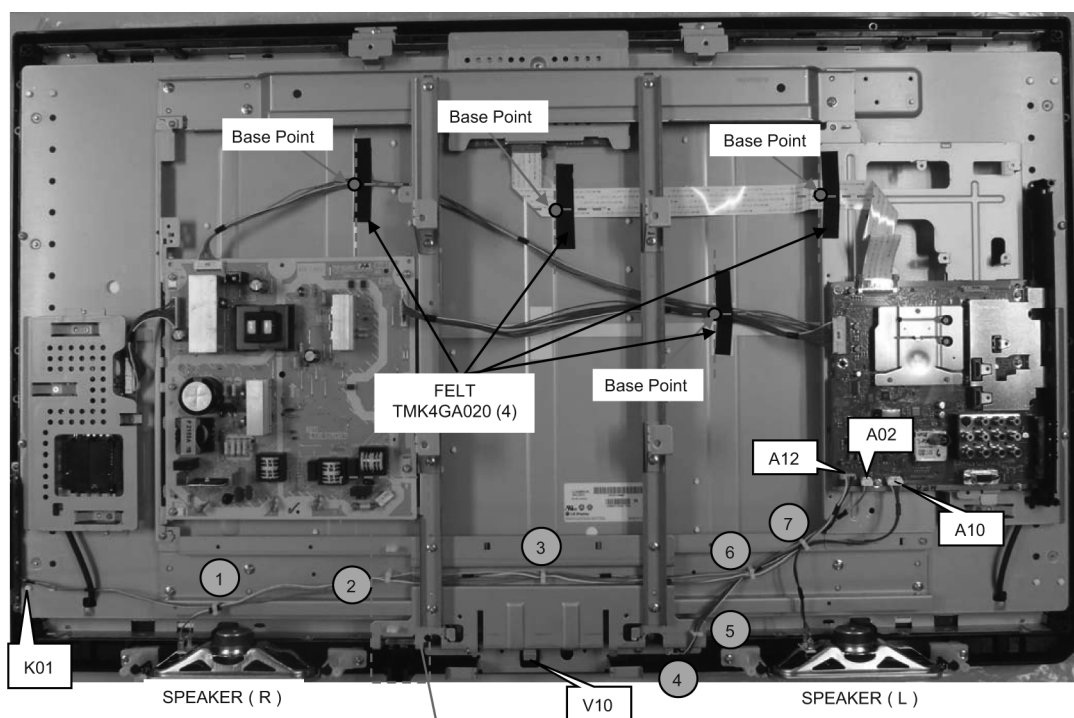
9.1. Main Block Diagram



10 Wiring Connection Diagram

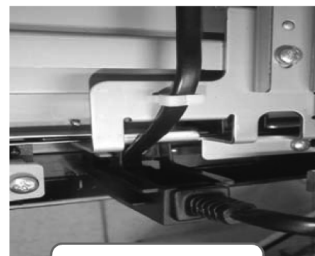
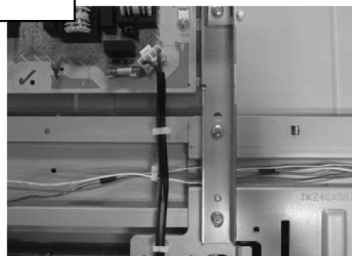
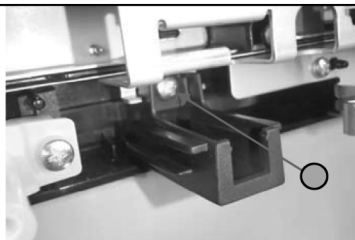
10.1. Wire Dressing

1. Stick felt at LVDS wire and wire.
2. Wiring No.1 ~ No.4.



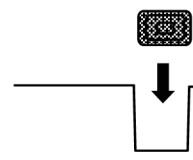
ASSEMBLY CONTENTS

- 1) Fix Ac-cord bracket and screw
- 2) Dressing Ac cord



● = SCREW XTB4+15JFJ
[110 +20/-10 N•cm] (11 +2/-1 Kgf.cm)

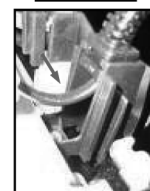
DIRECTION OF
AC CORD BUSHING



Push an AC cord
to the bottom

NG

OK



Wire		Clamper						
		1	2	3	4	5	6	7
No.1	A10 - V10				●	●	●	●
No.2	A02 - K01	●	●	●			●	●
No.3	A12 - SP (R)	●	●	●			●	●
No.4	A12 - SP (L)							●

11 Schematic Diagram

11.1. Schematic Diagram Notes

Notes:

1. **Resistor**
Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
Unit of capacitance is μ F, unless otherwise noted.
3. **Coil**
Unit of inductance is H, unless otherwise noted.
4. **Test Point**
 : Test Point position
5. **Earth Symbol**
 : Chassis Earth (Cold)  : Line Earth (Hot)
6. **Voltage Measurement**
Voltage is measured by a DC voltmeter.
Conditions of the measurement are the following:

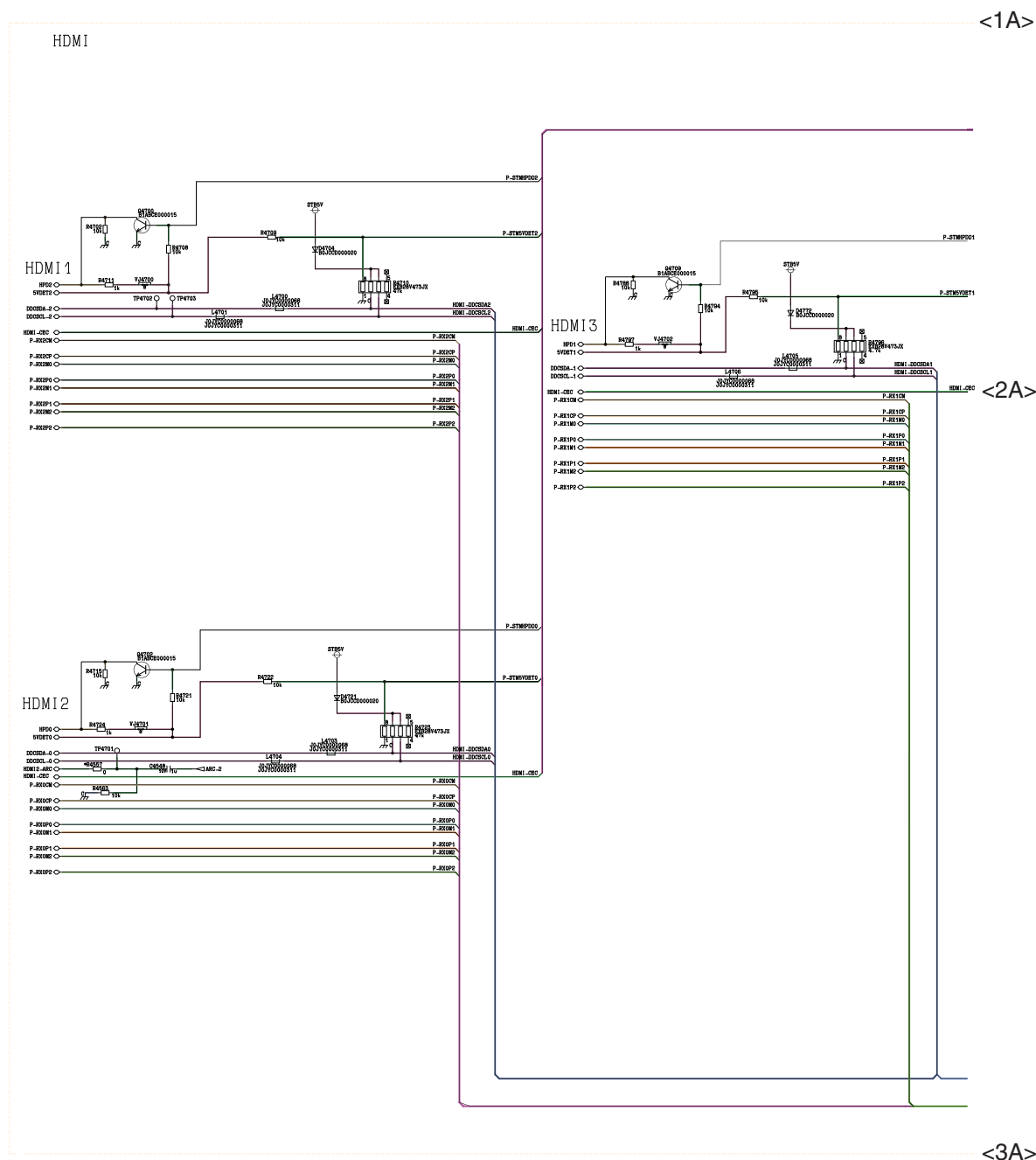
Power Source	AC110-127V, 60Hz
Receiving Signal	Colour Bar signal (RF)
All customer's controls	Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow. : Video ➡ Audio ⇌
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

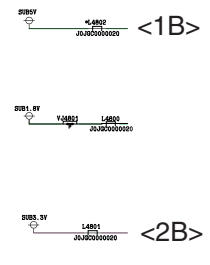
Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.
All circuits, except the Power Circuit, are cold.
Precautions
 - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
 - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
 - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
 - d. Make sure to disconnect the power plug before removing the chassis.

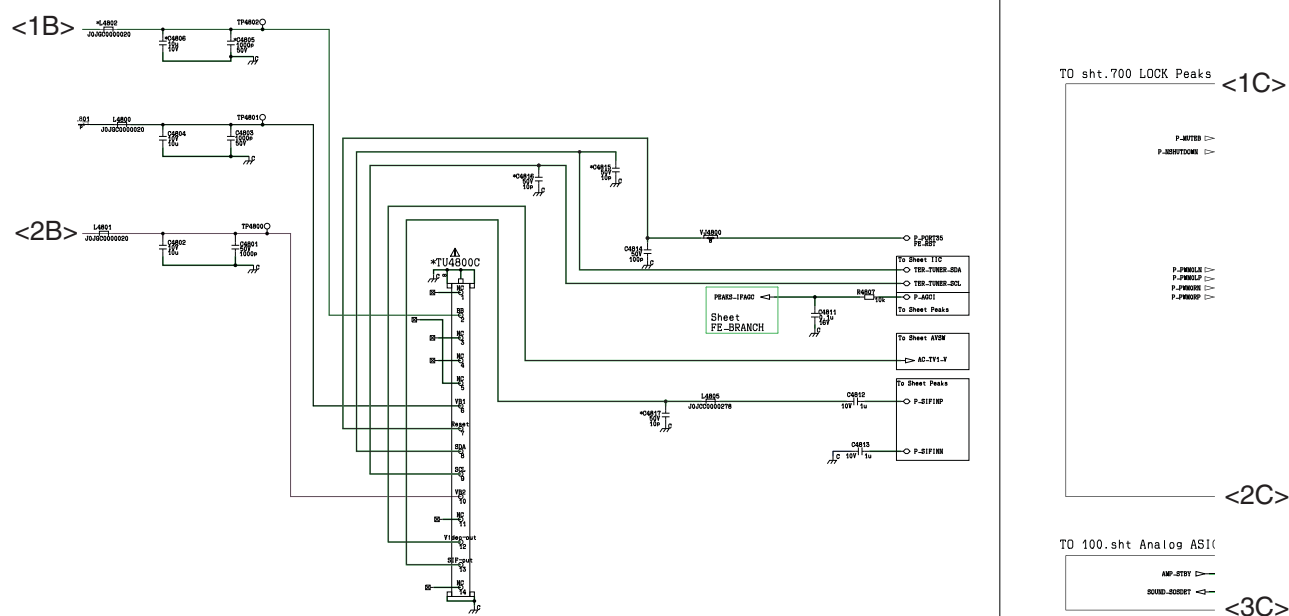


11.2.3. A Board - Sheet : 003 (1 / 5)

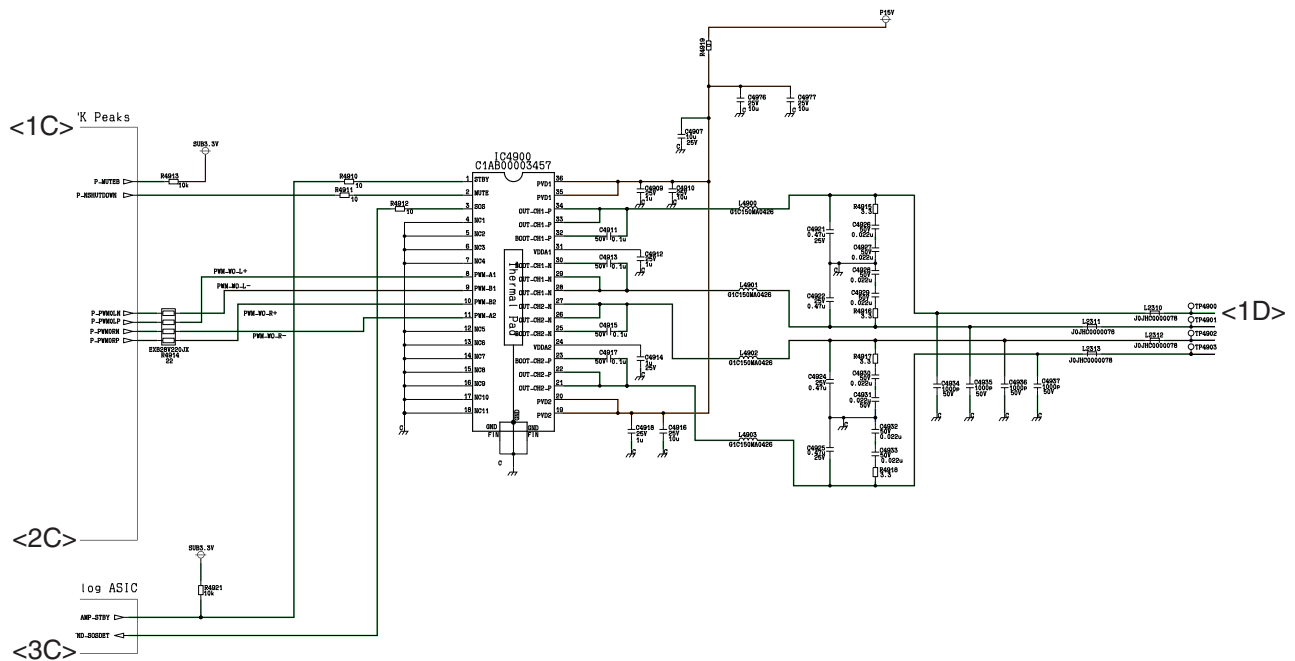




11.2.5. A Board - Sheet : 003 (3 / 5)

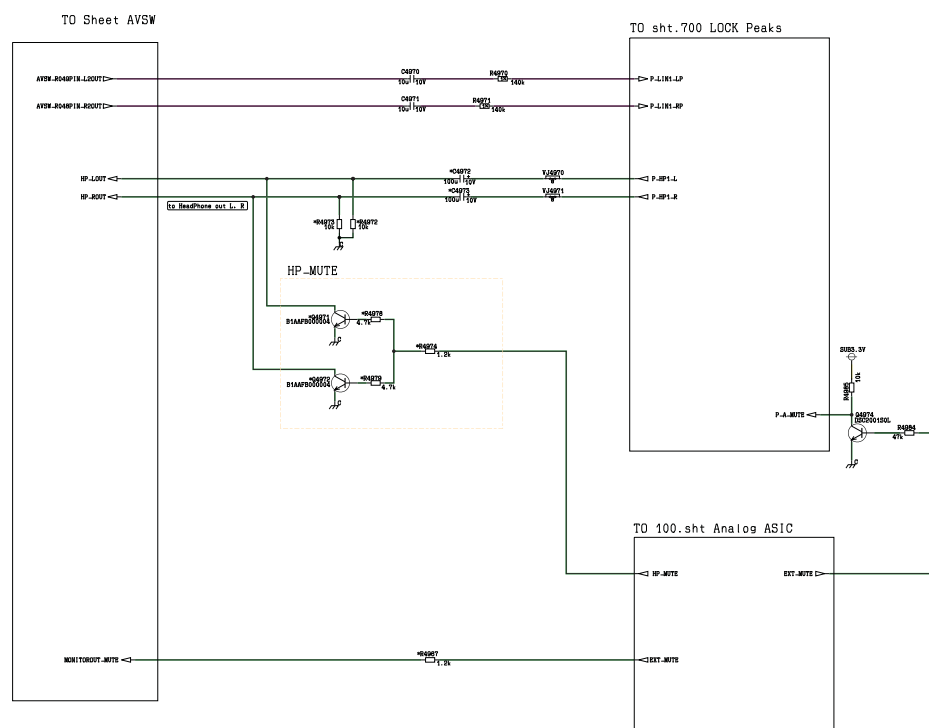
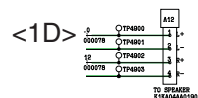


11.2.6. A Board - Sheet : 003 (4 / 5)



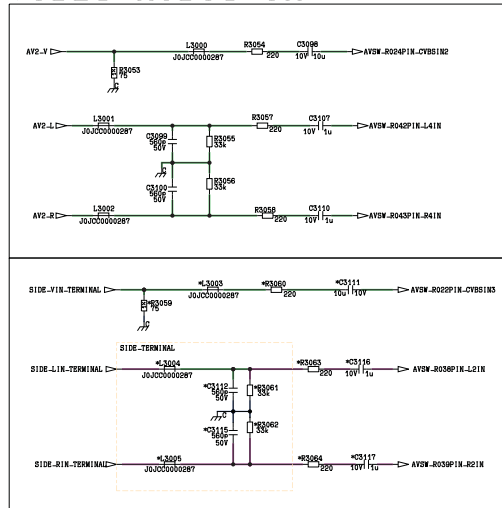
11.2.7. A Board - Sheet : 003 (5 / 5)

Sheet No.003

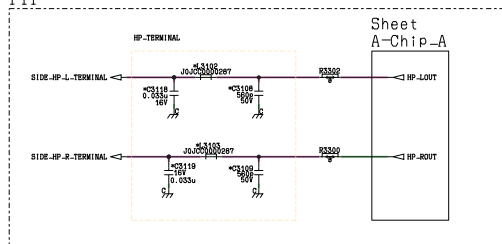


11.2.8. A Board - Sheet : 004 (1 / 2)

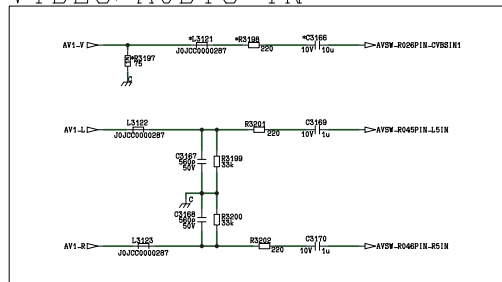
VIDEO/AUDIO IN



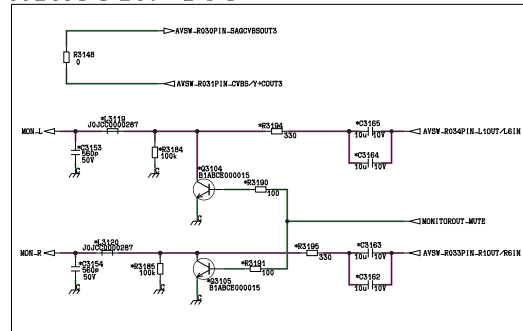
HP



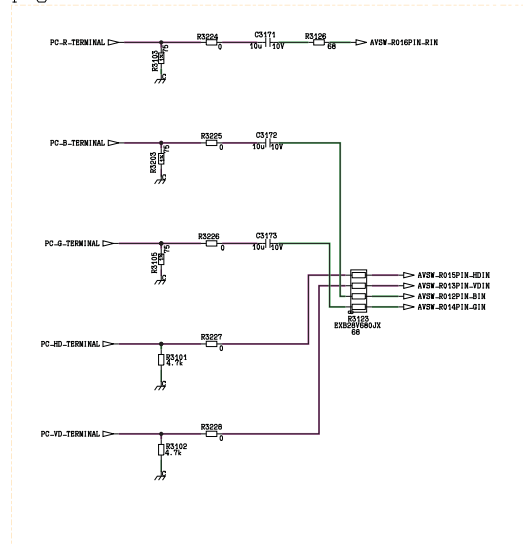
VIDEO/AUDIO IN



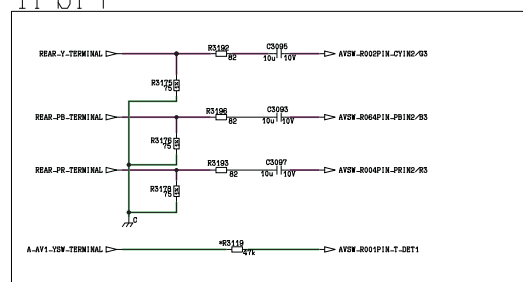
MONITOR OUT



PC



YPbPr



<1A>

A'

A'

A'

AY

AY2W_R

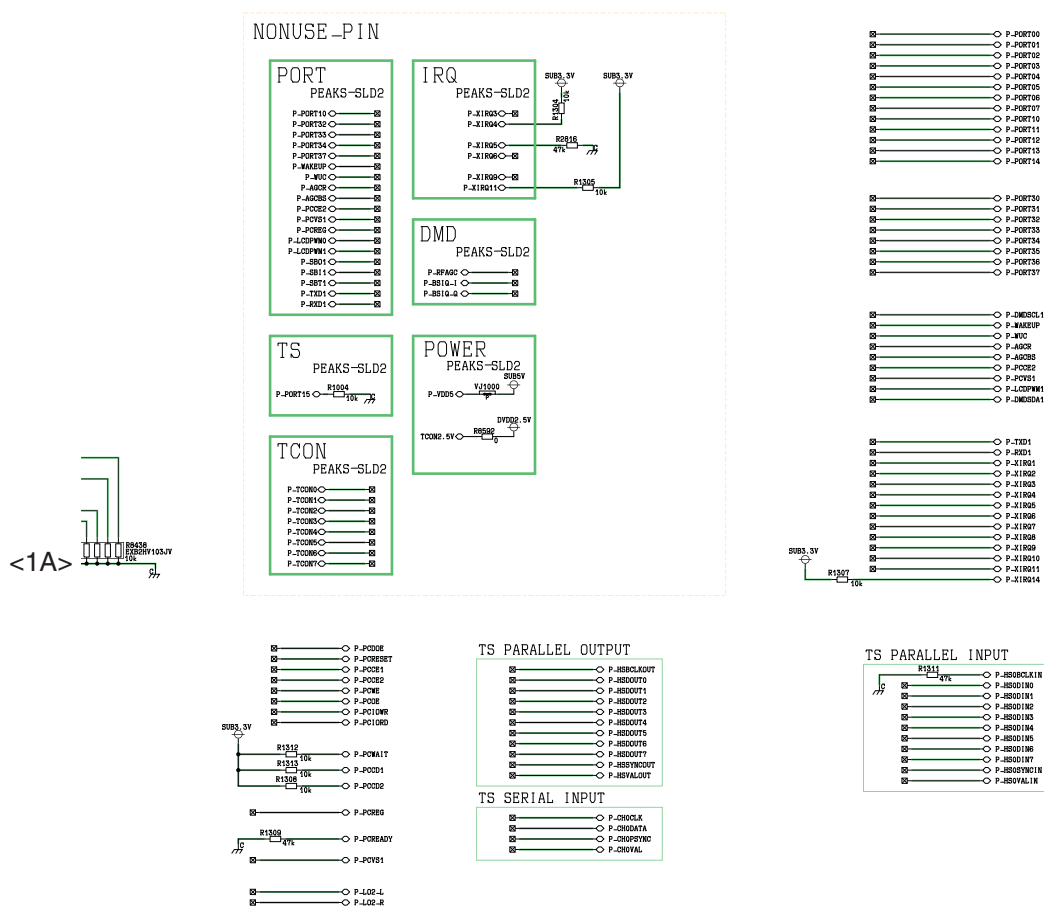
AY2W_R0

AY2W

<2A>

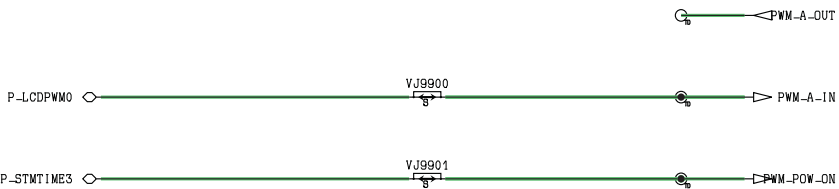
11.2.11. A Board - Sheet : 005 (2 / 2)

Sheet No. 005



11.2.12. A Board - Sheet : 008 (1 / 1)

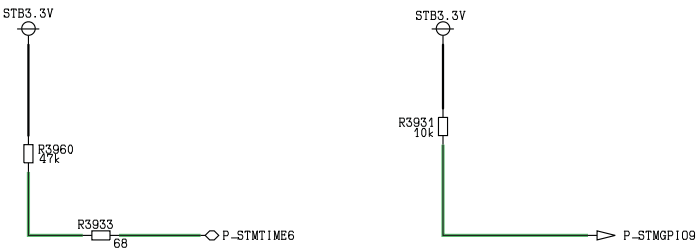
Sheet No. 008



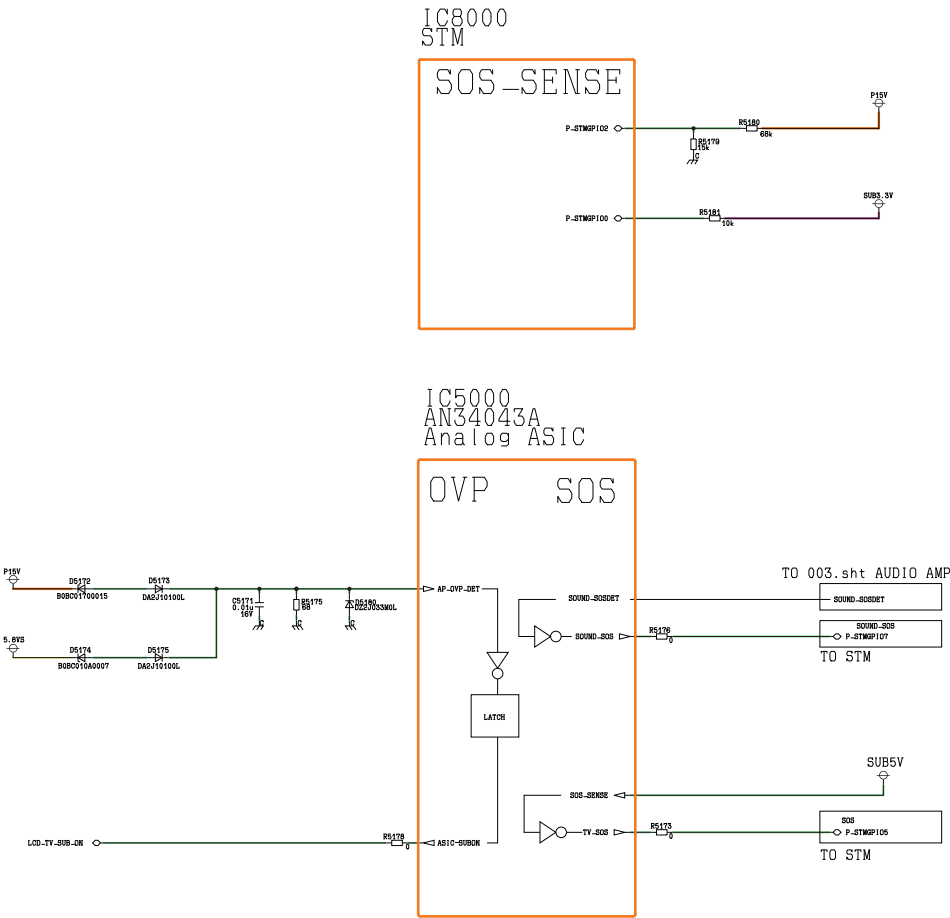
[illegible]

11.2.14. A Board - Sheet : 010 (1 / 1)

Sheet No. 010



11.2.15. A Board - Sheet : 100 (1 / 3)



Peaks
TO She <1A>

STM R

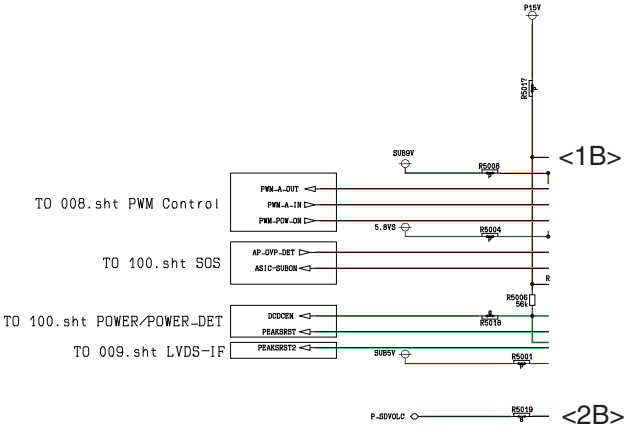
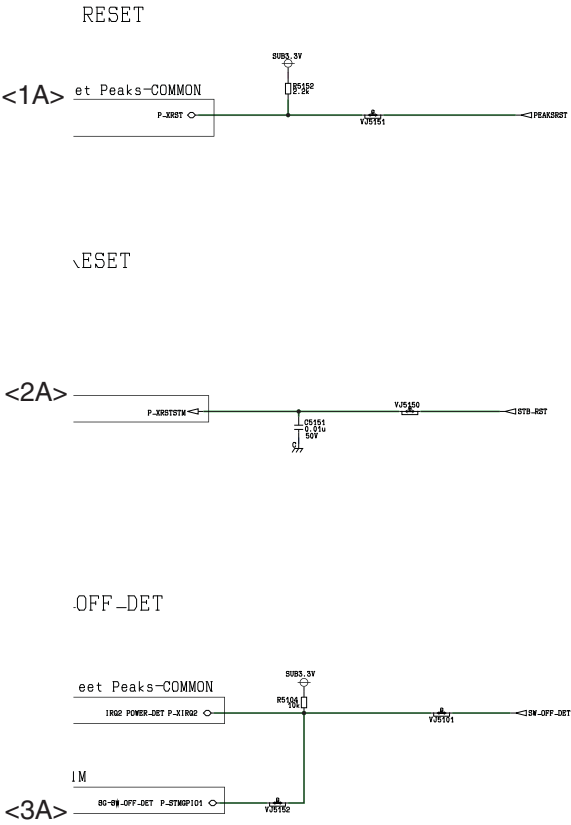
TO STM <2A>

SW -

TO Sh

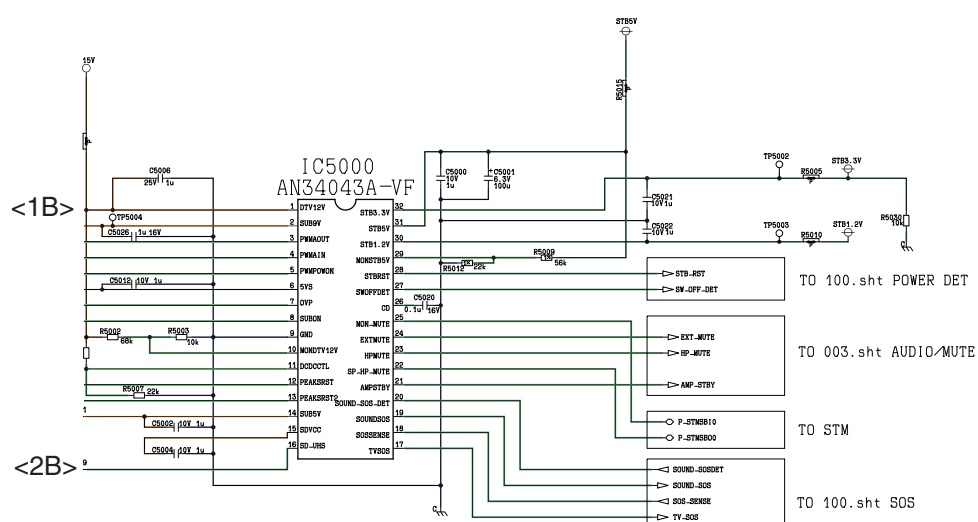
TO STI <3A>

11.2.16. A Board - Sheet : 100 (2 / 3)

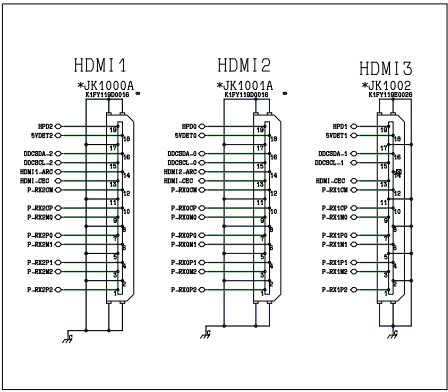


11.2.17. A Board - Sheet : 100 (3 / 3)

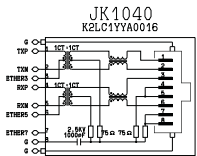
Sheet No. 100



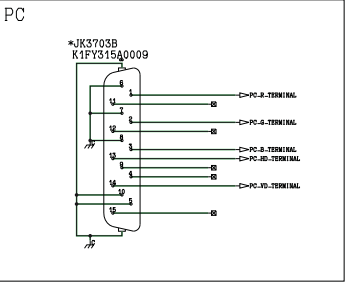
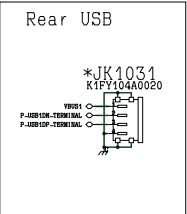
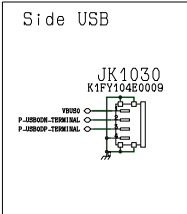
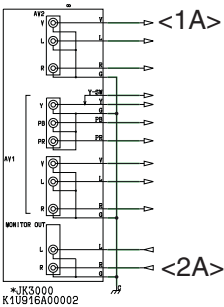
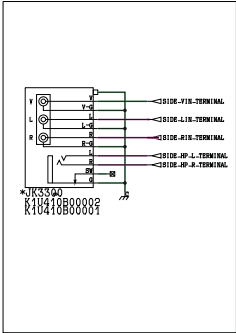
11.2.18. A Board - Sheet : 101 (1 / 3)



Ether

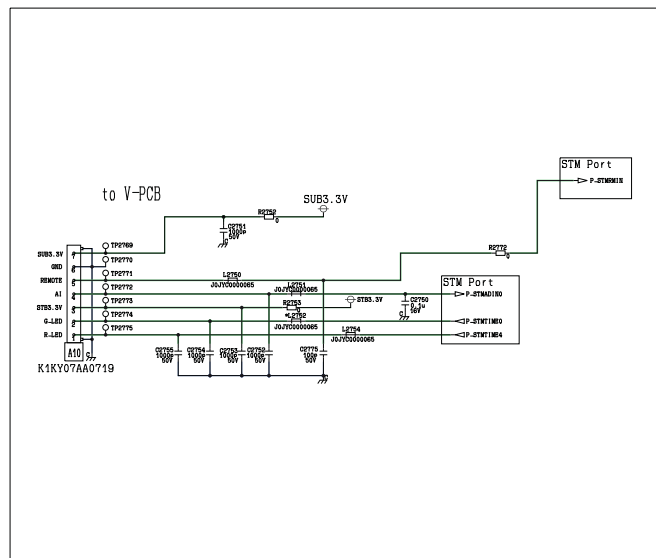
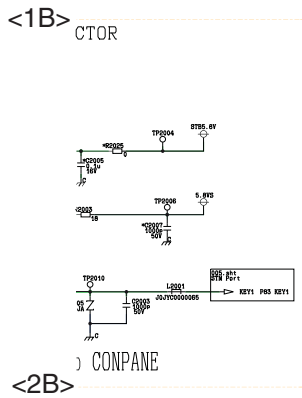


SIDE TERMINAL



11.2.20. A Board - Sheet : 101 (3 / 3)

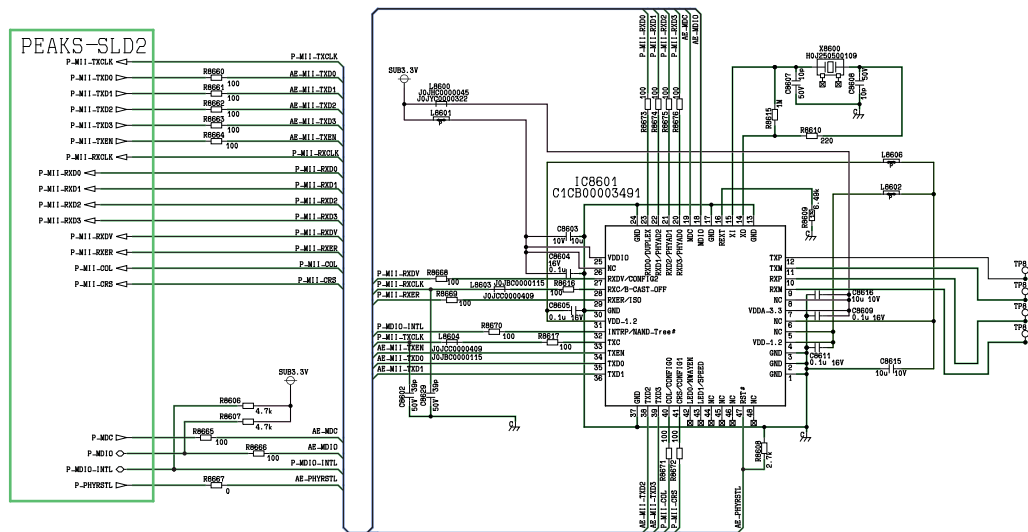
Sheet No. 101



11.2.22. A Board - Sheet : 301 (1 / 3)

ETHER_PHY

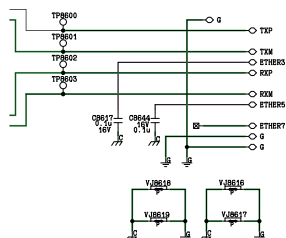
<1A>



<2A>

11.2.23. A Board - Sheet : 301 (2 / 3)

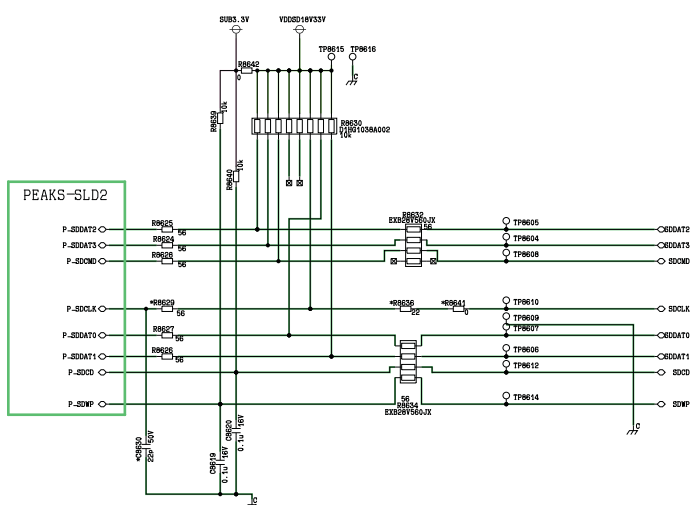
<1A>



<2A>

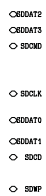
SD-CARD

<1B>



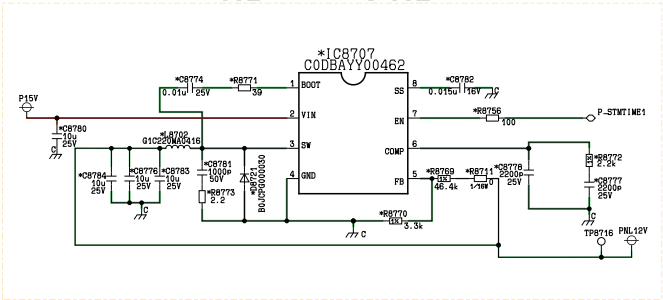
<2B>

<1B>

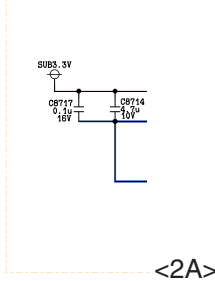


11.2.25. A Board - Sheet : 302 (1 / 2)

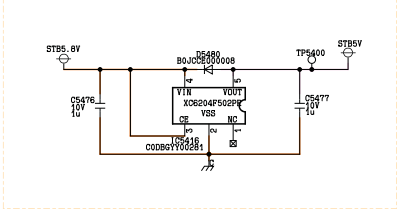
PANEL-DCDC HD -> FHD



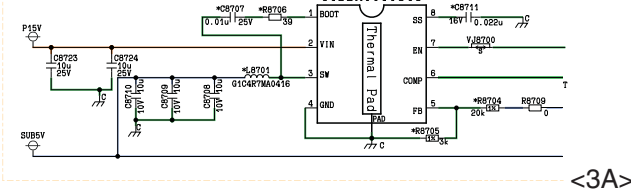
SUB1.8V <1A>



STB5V

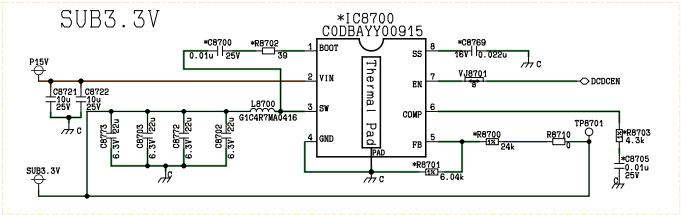
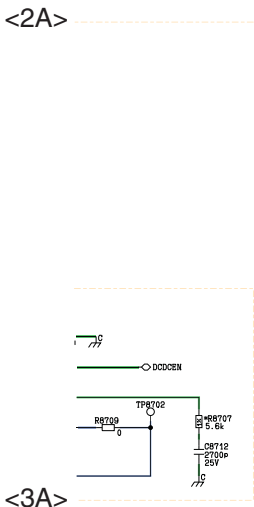
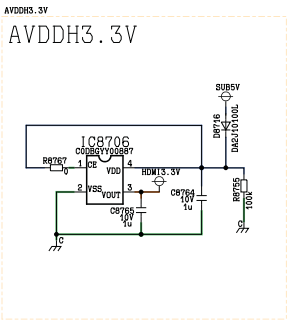
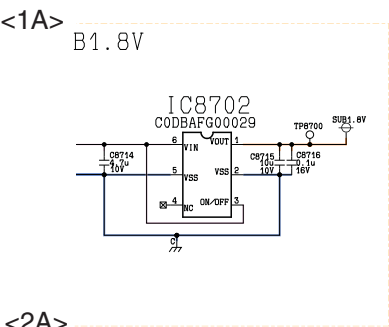


SUB5V



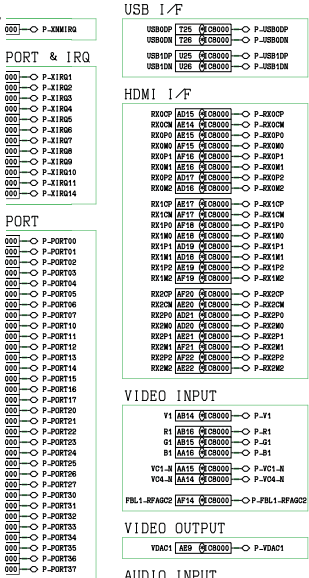
11.2.26. A Board - Sheet : 302 (2 / 2)

Sheet No. 302

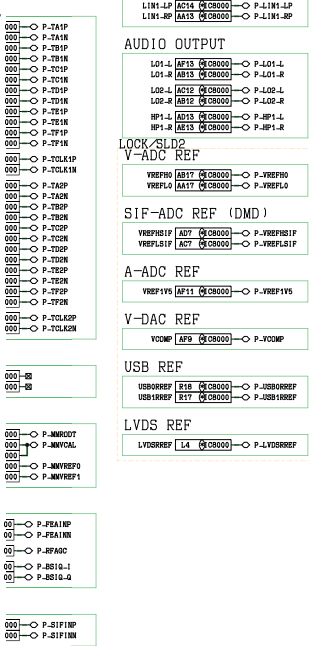


11.2.28. A Board - Sheet : 700 (2 / 2)

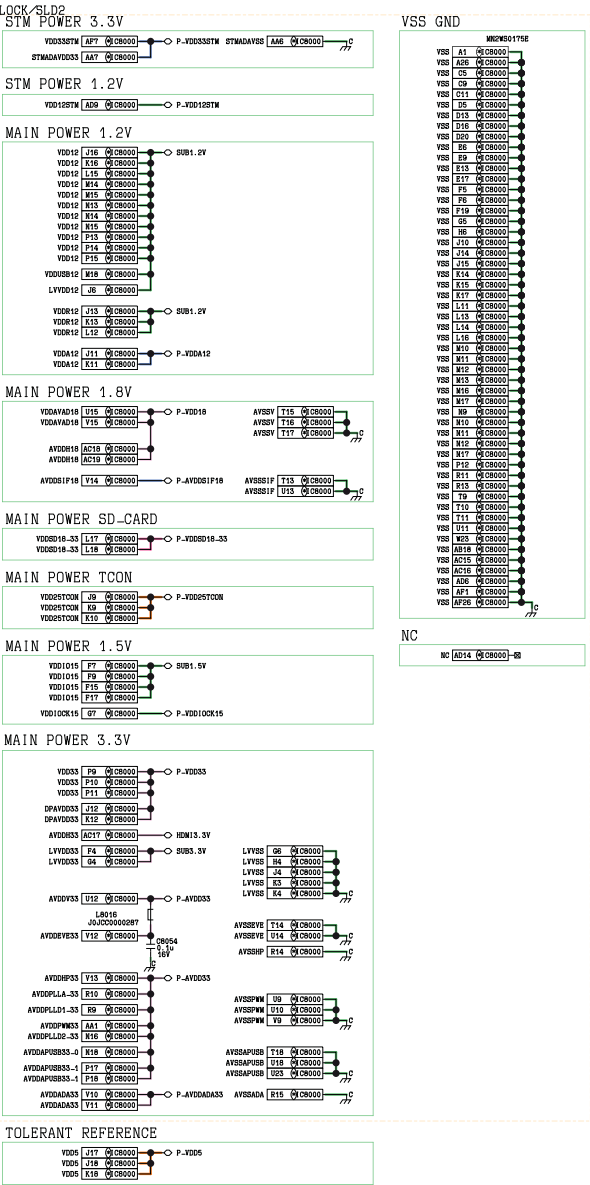
<1A>



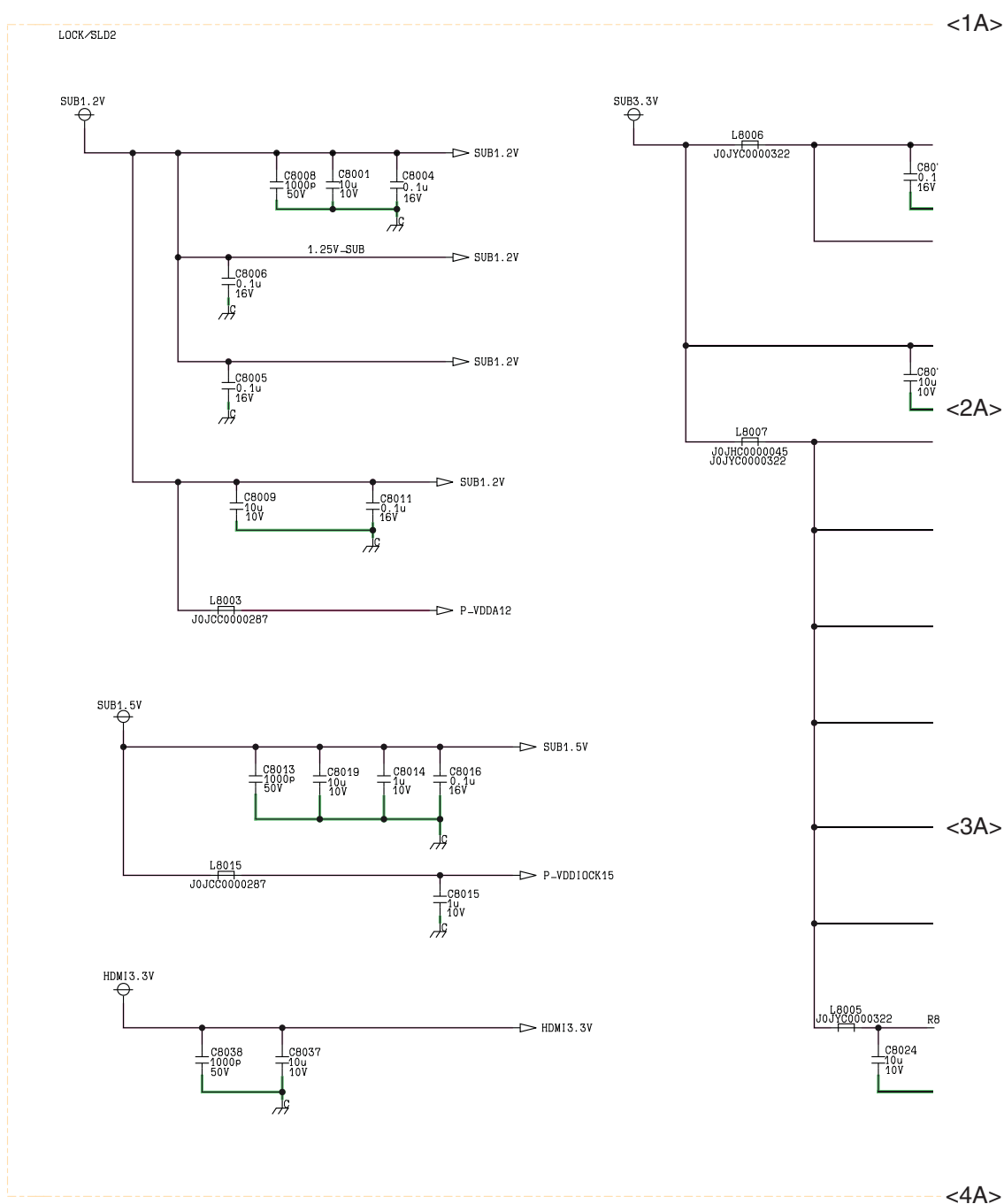
<2A>



<3A>



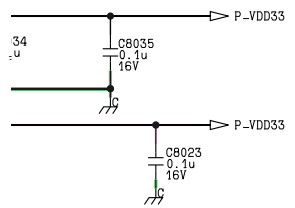
11.2.29. A Board - Sheet : 701 (1 / 2)



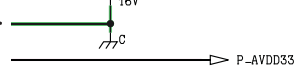
11.2.30. A Board - Sheet : 701 (2 / 2)

Sheet No. 701

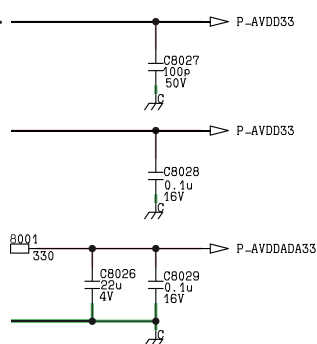
<1A>



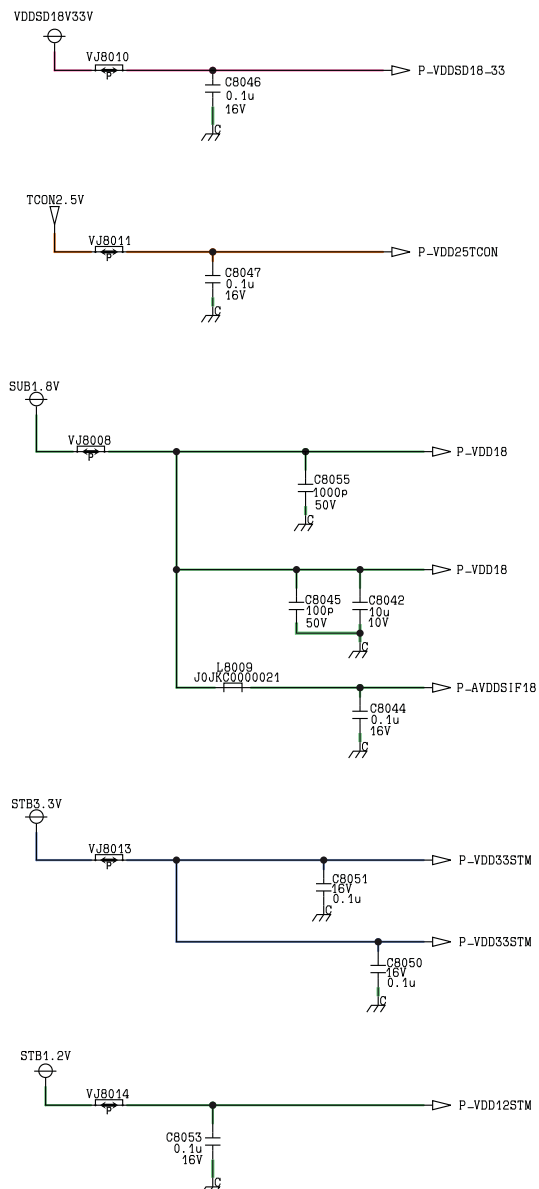
<2A>



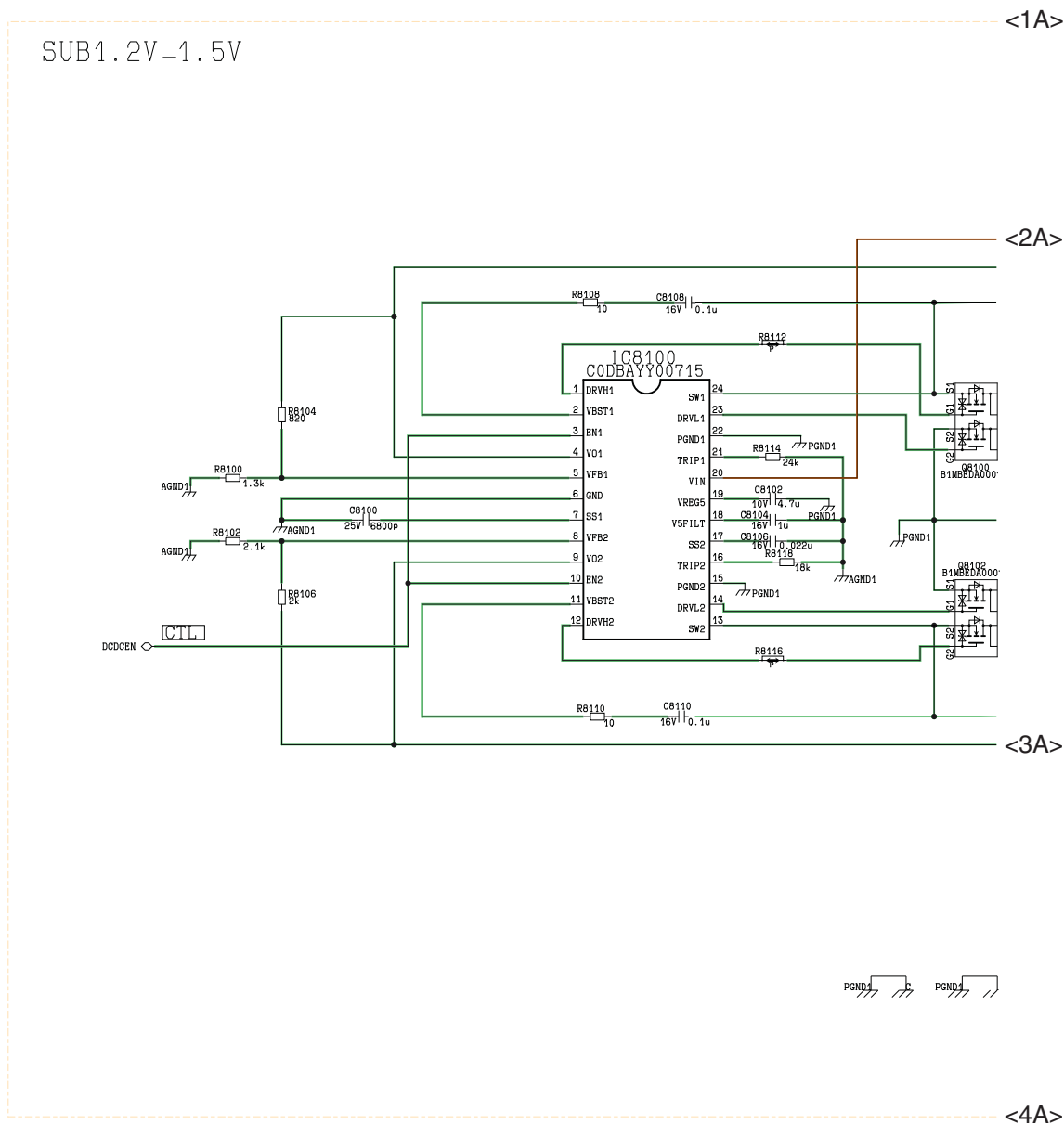
<3A>



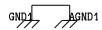
<4A>



11.2.31. A Board - Sheet : 702 (1 / 2)

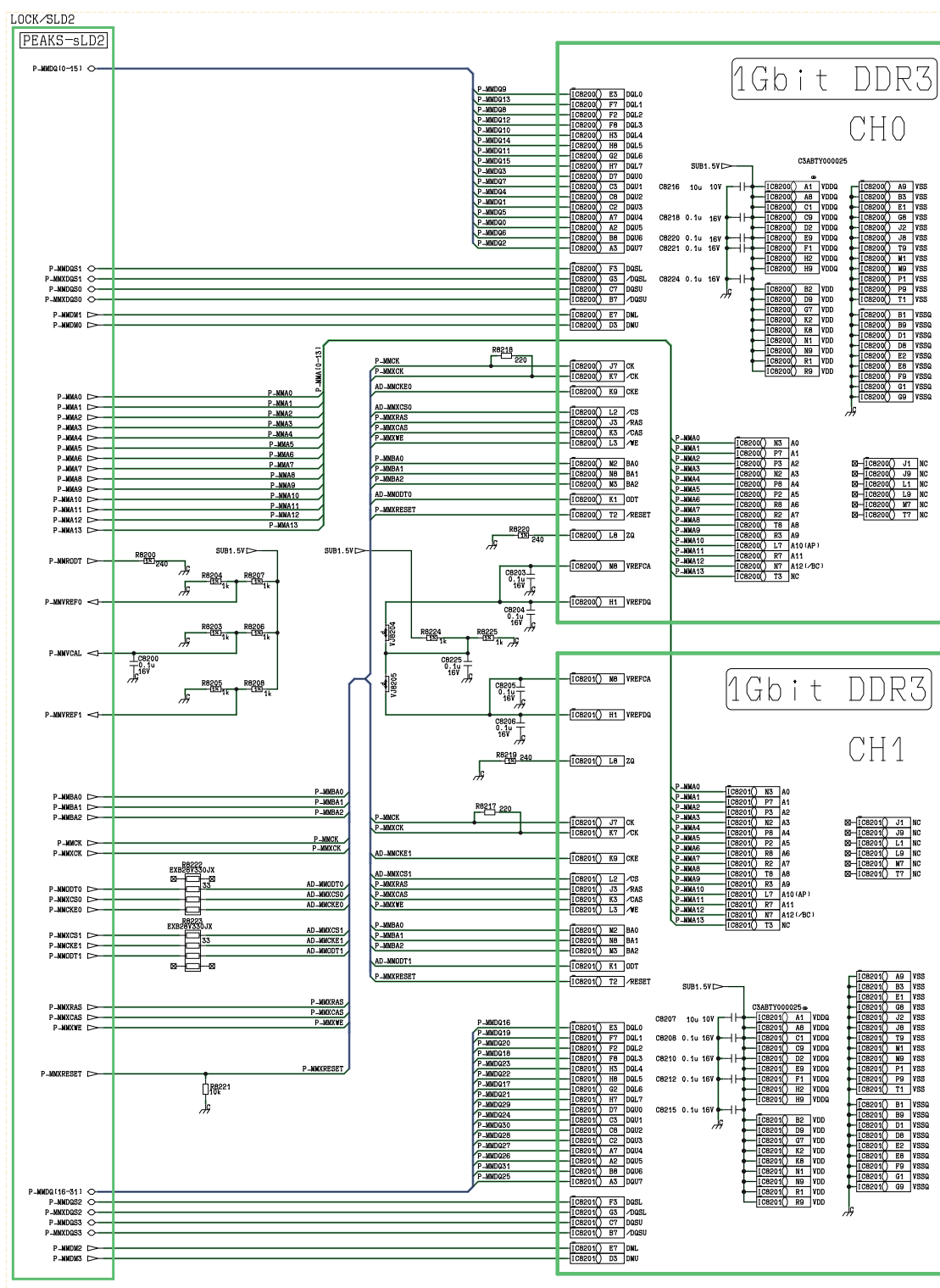


<1A>



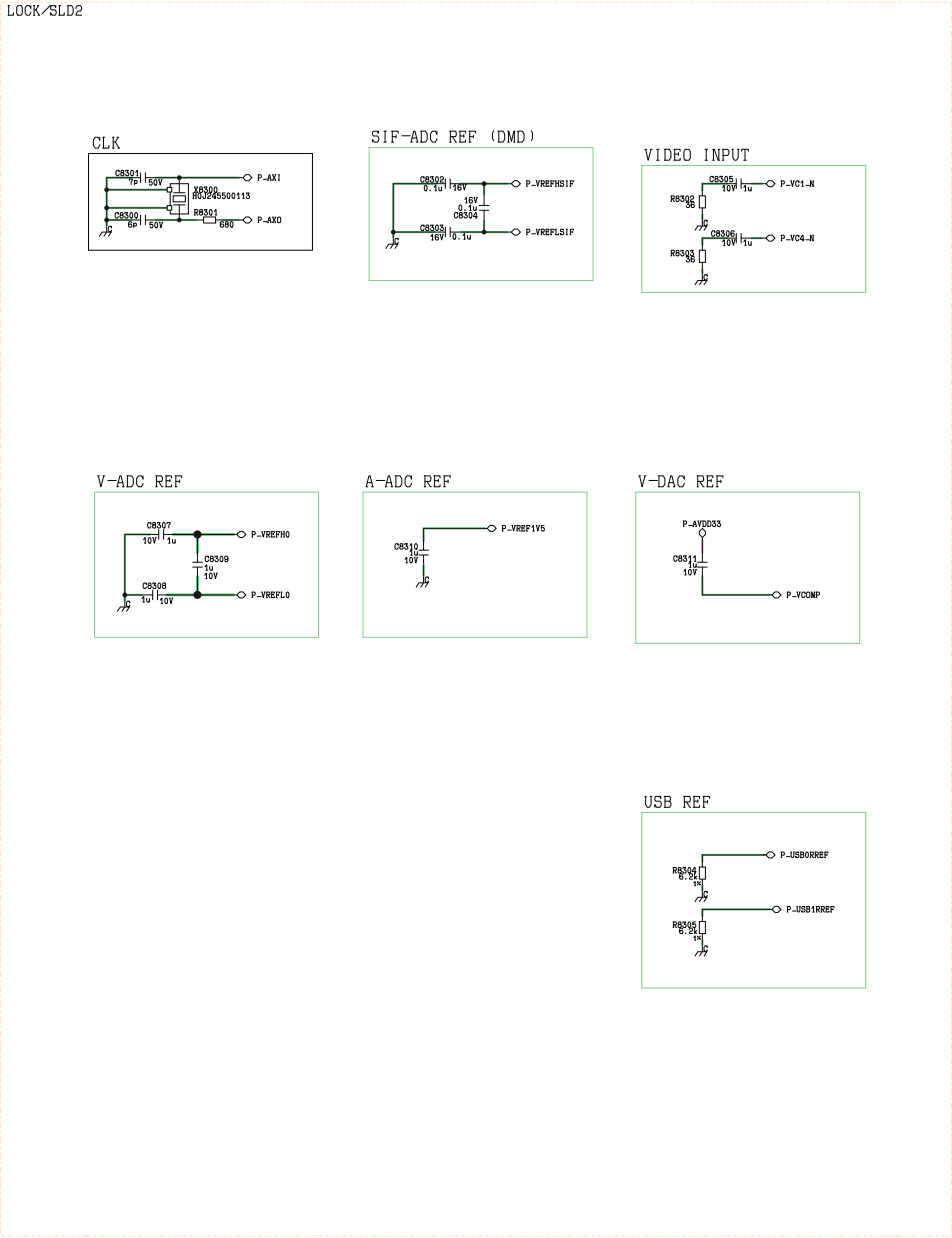
60

11.2.33. A Board - Sheet : 703 (1 / 1)



11.2.34. A Board - Sheet : 704 (1 / 1)

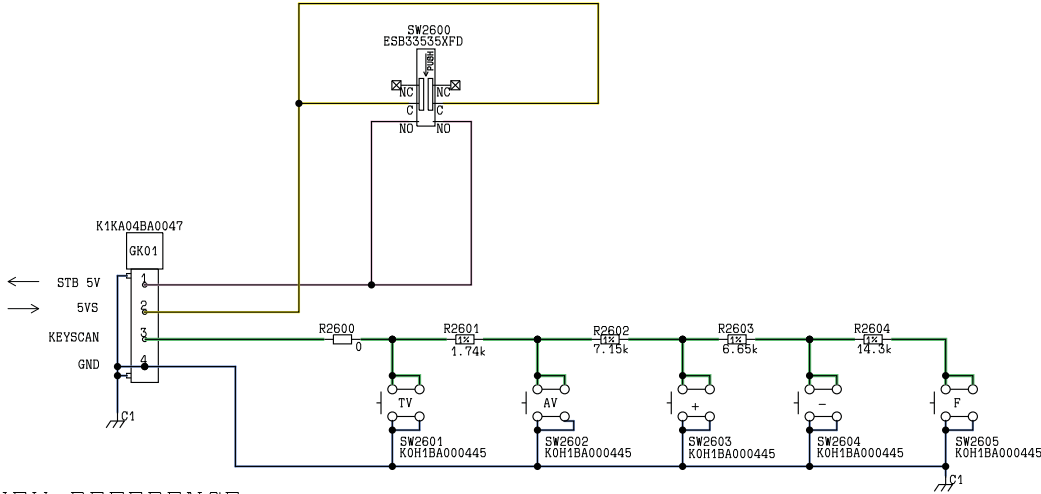
Sheet No. 704



11.3. GK Board

11.3.1. GK Board (1 / 1)

TNP4G502AAA
GK BOARD

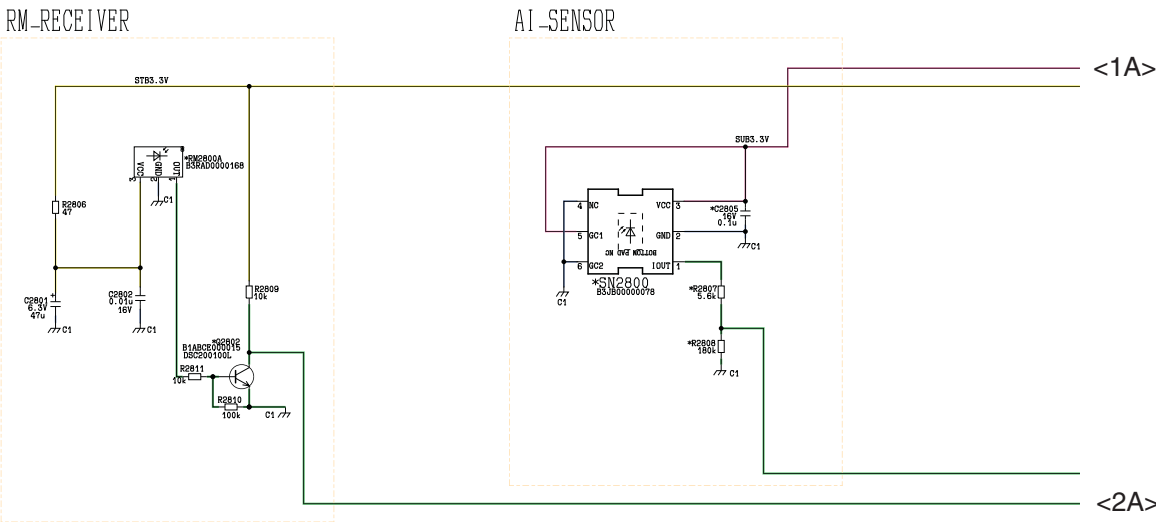


KEY-REFERENCE (PARTS PATTERN)

SW2600 POWER	GK01	SW2602 AV	SW2601 TV	SW2604 -	SW2603 +	SW2605 F
GK1						

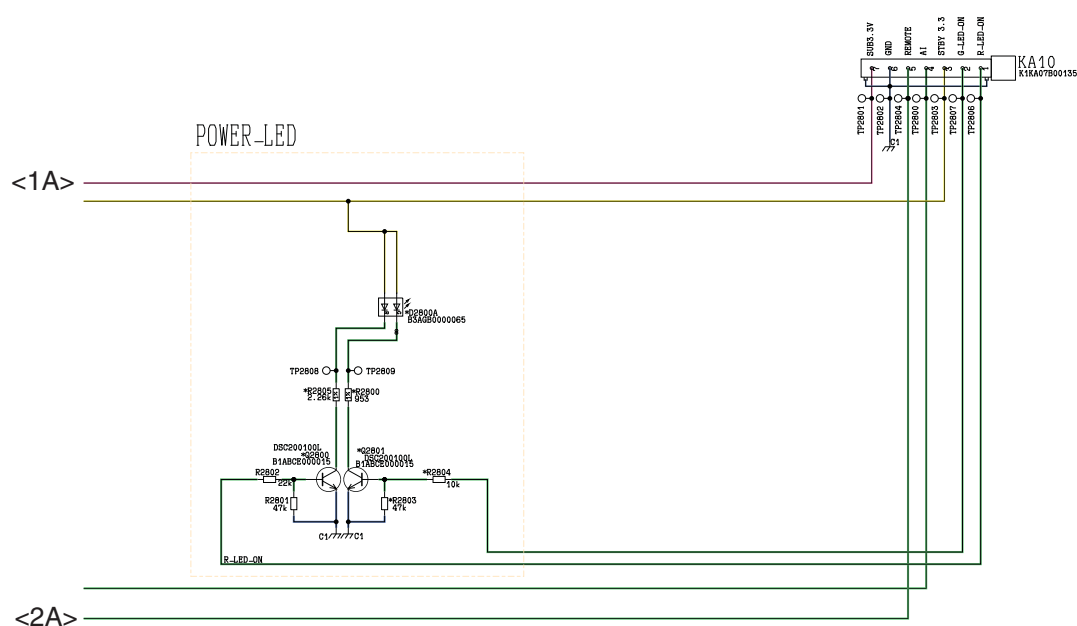
11.4. KA BOARD

11.4.1. KA Board (1 / 2)



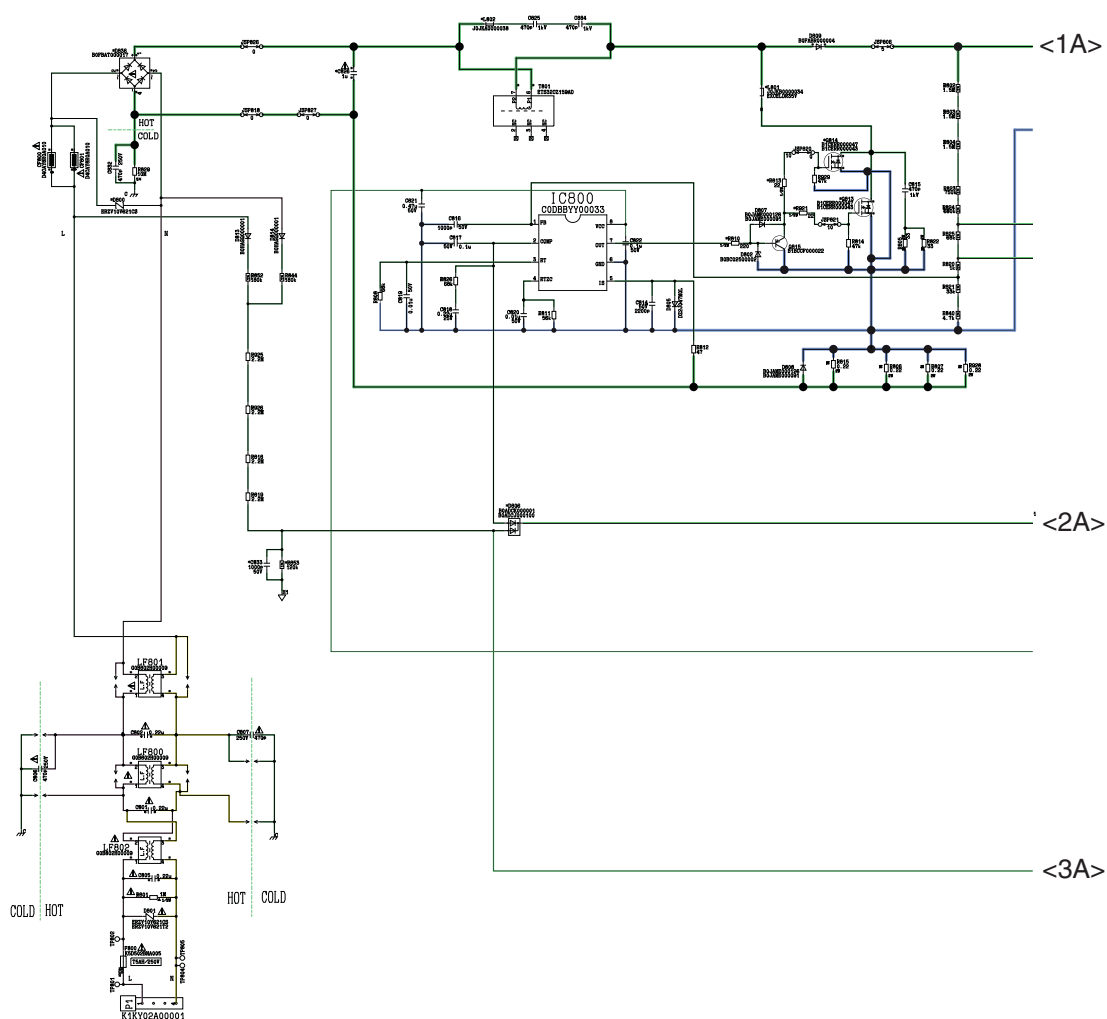
11.4.2. KA Board (2 / 2)

TNPA5378BH
KA BOARD

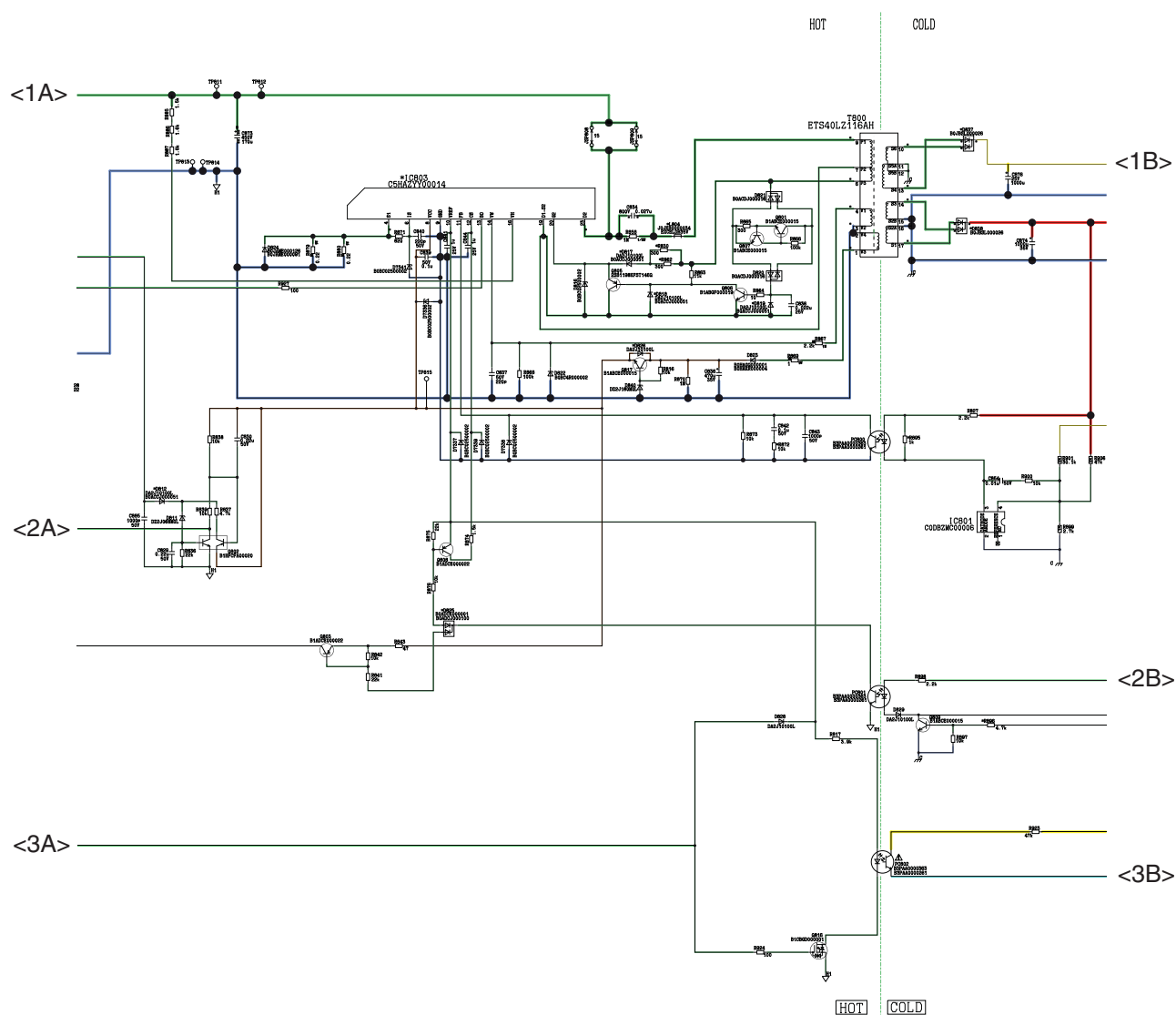


11.5. P BOARD

11.5.1. P Board (1 / 3)



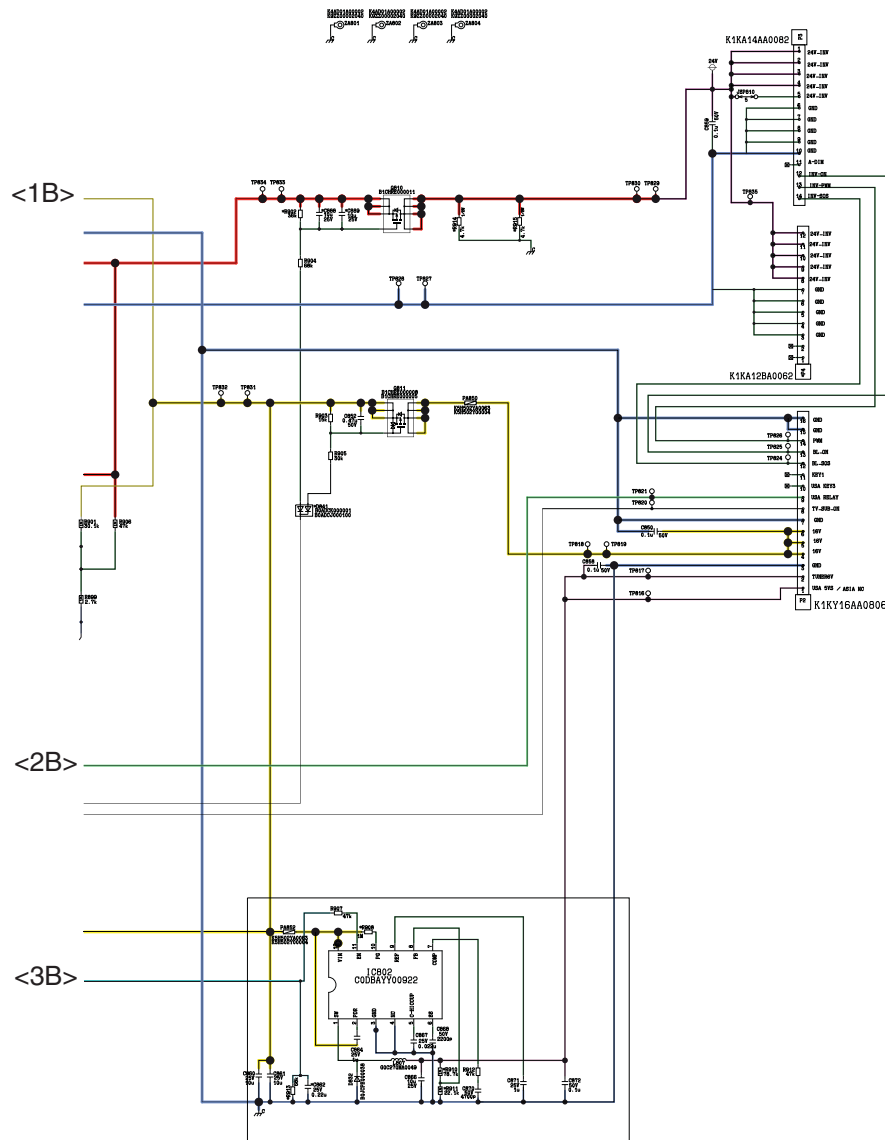
11.5.2. P Board (2 / 3)



11.5.3. P Board (3 / 3)

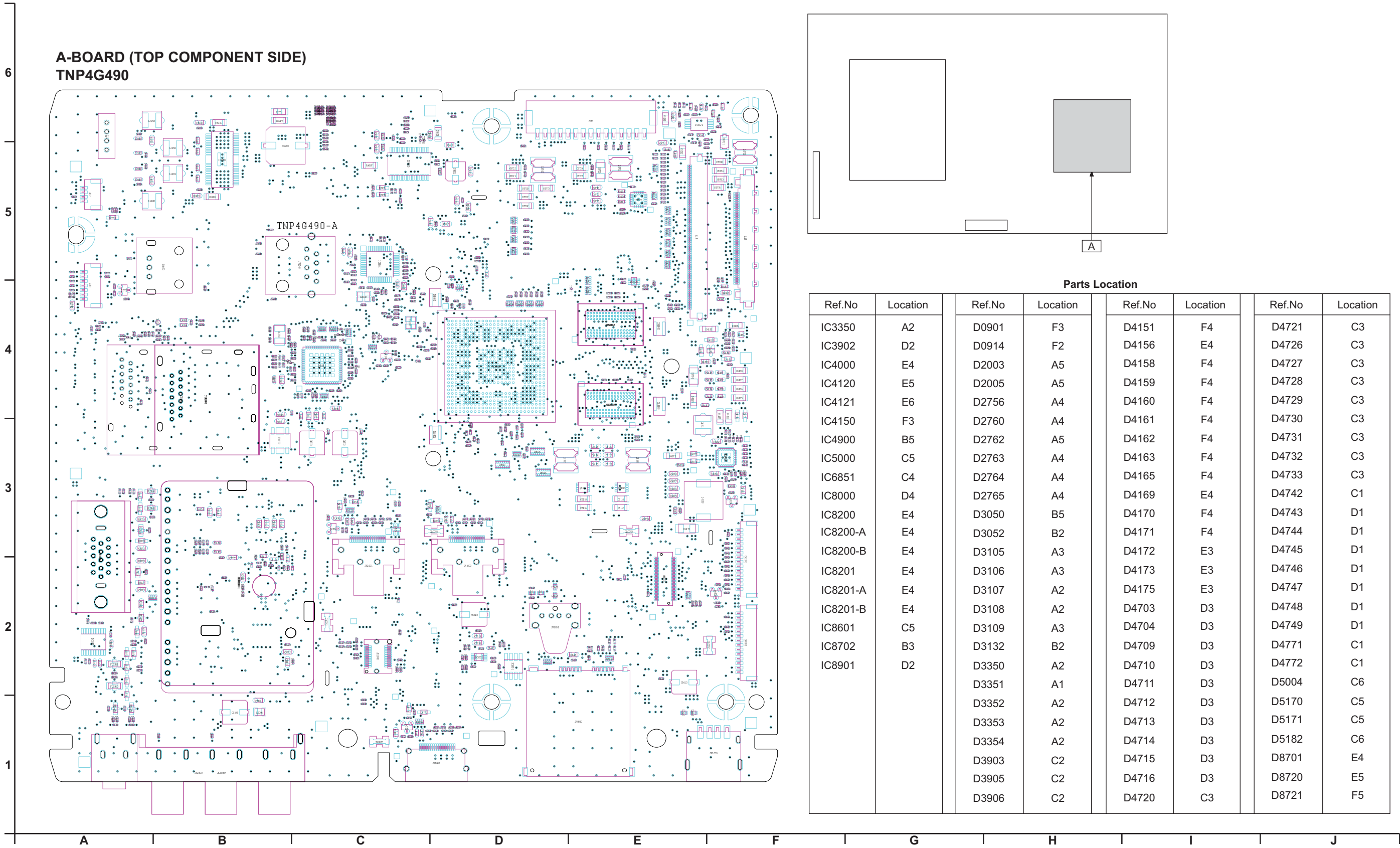
TNP4G498AA

Ⓟ P BOARD

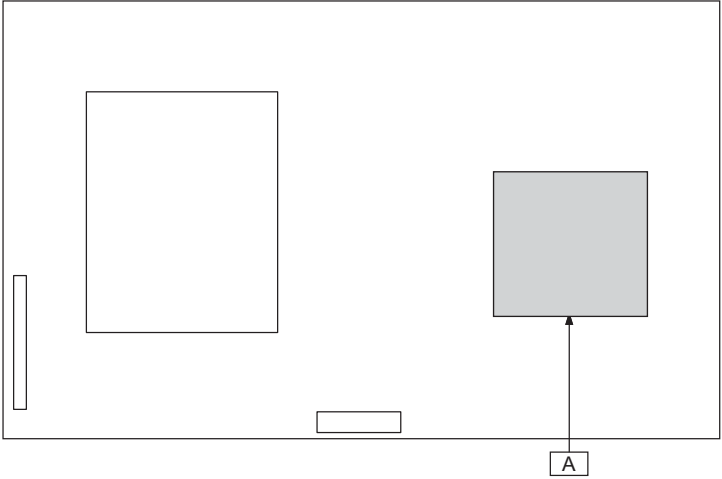
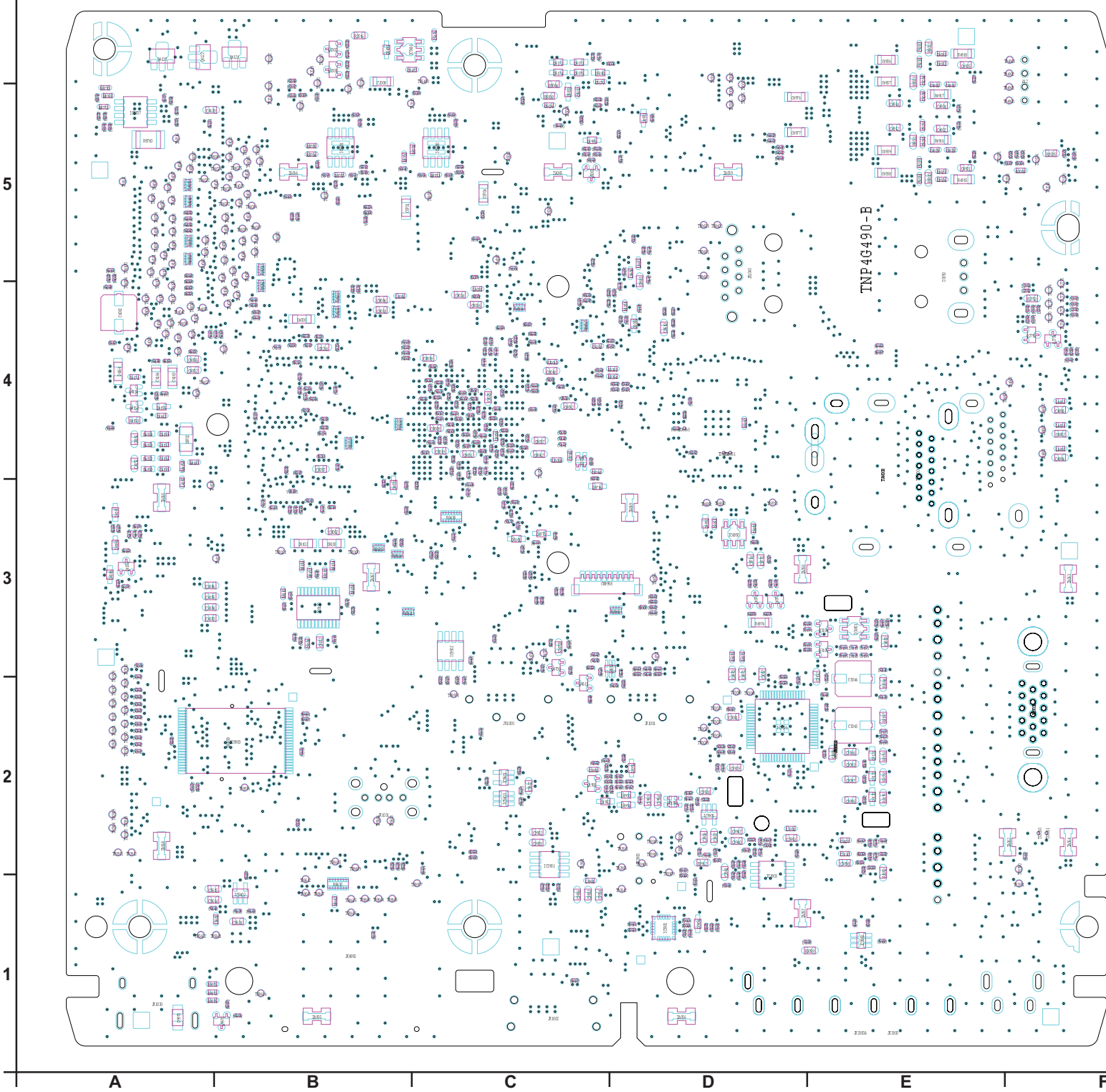


12 Printed Circuit Board

12.1. A-BOARD



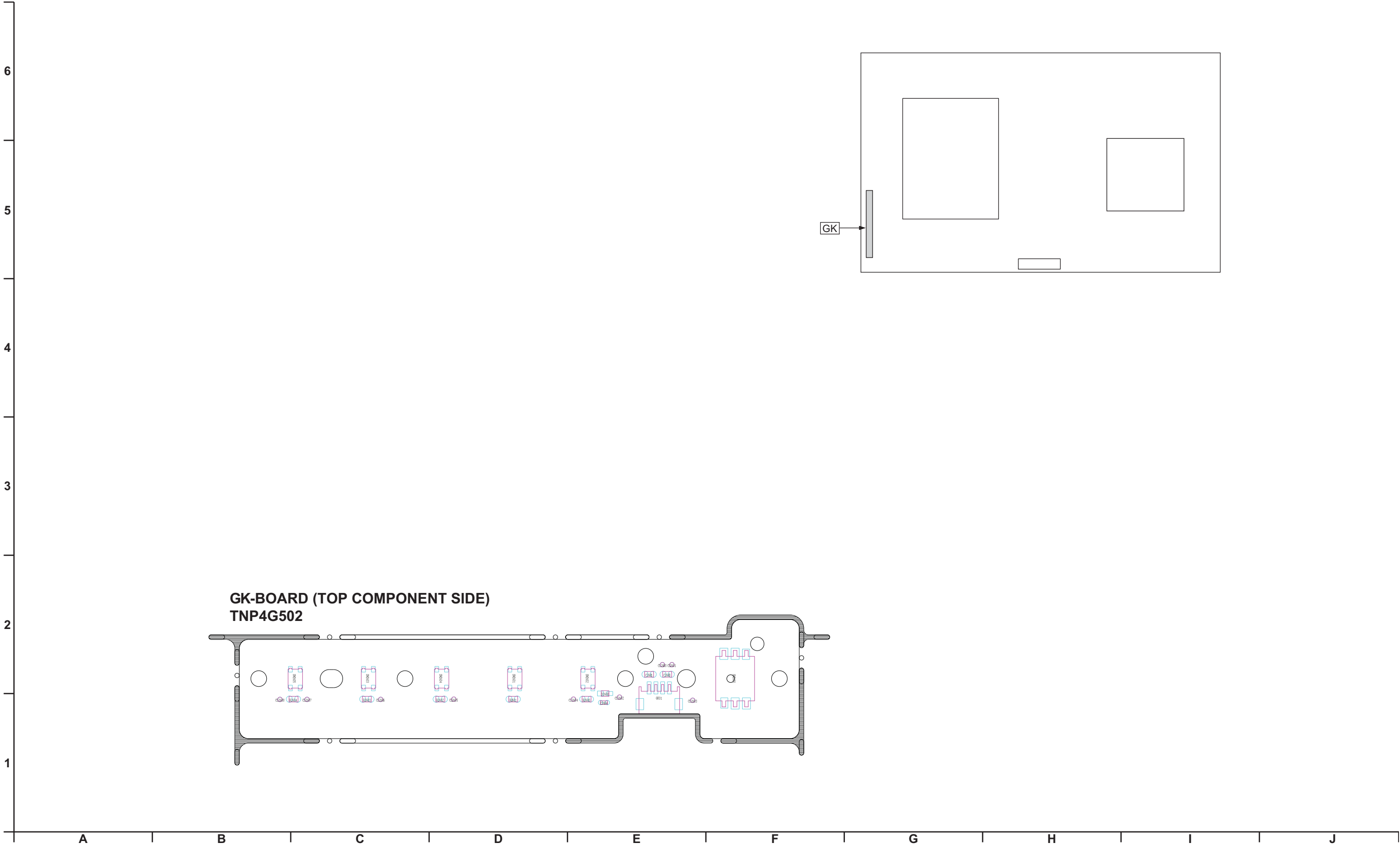
A-BOARD (BOTTOM COMPONENT SIDE)
TNP4G490



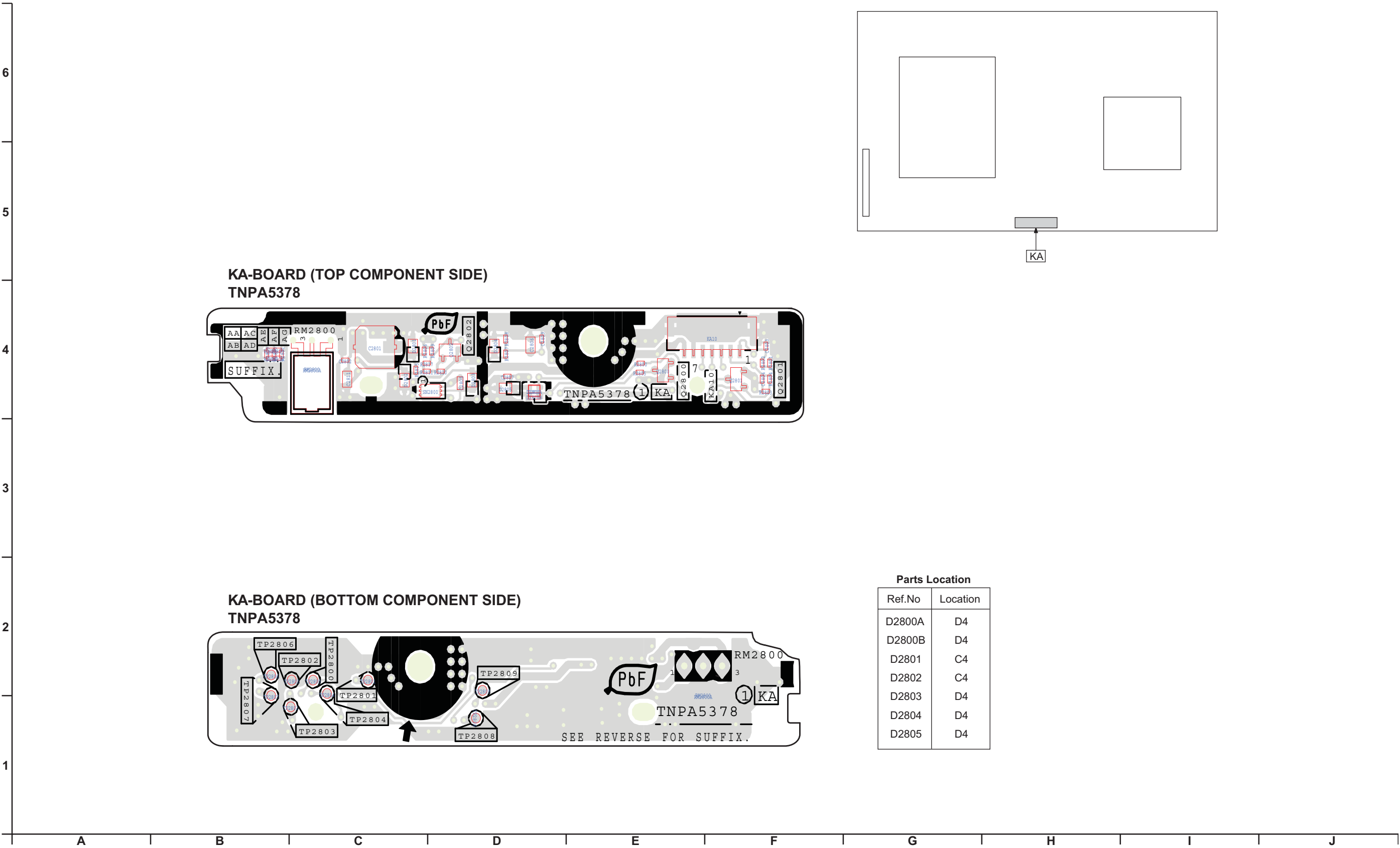
Parts Location

Ref.No	Location	Ref.No	Location	Ref.No	Location	Ref.No	Location
IC1951	D2	D0902	A2	D3120	E2	D5173	C6
IC3001	D2	D0904	A2	D3121	E2	D5174	C6
IC3900	D1	D0905	A2	D3122	E2	D5175	C6
IC3901	C2	D0906	A2	D3123	E2	D5180	C6
IC3903	D1	D0907	A2	D3904	D1	D5181	C3
IC3905	D2	D0908	A2	D4000	C4	D5480	B6
IC4801	E3	D0909	A2	D4001	B3	D6850	D3
IC5416	B6	D0910	A2	D4150	A4	D8100	B3
IC5601	C2	D0911	A2	D4152	A4	D8102	B3
IC5602	B1	D0912	A2	D4153	A4	D8702	A4
IC5603	C2	D0913	A2	D4154	A4	D8716	C3
IC6850	D3	D1000	D4	D4155	A4	D9970	A1
IC8100	B3	D1951	D2	D4164	A4		
IC8700	C5	D1952	C2	D4166	A3		
IC8701	B5	D1953	D2	D4167	A3		
IC8706	C4	D1954	D2	D4168	A3		
IC8707	A5	D1955	C5	D4773	C3		
IC8900	B2	D2001	E5	D4970	D5		
IC8902	C3	D3051	E2	D5003	C5		
IC9980	E1	D3110	E2	D5172	C6		

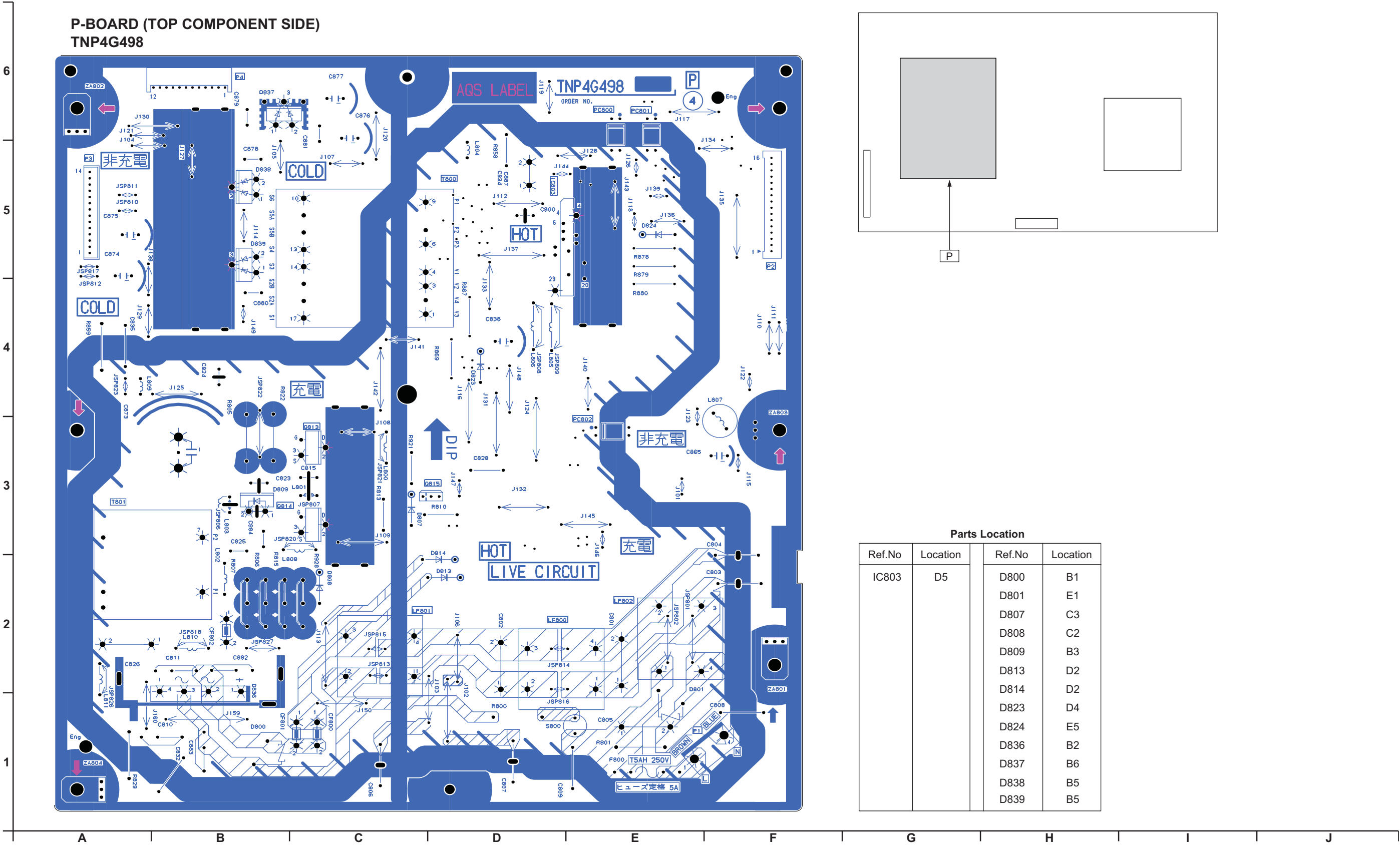
12.2. GK-BOARD



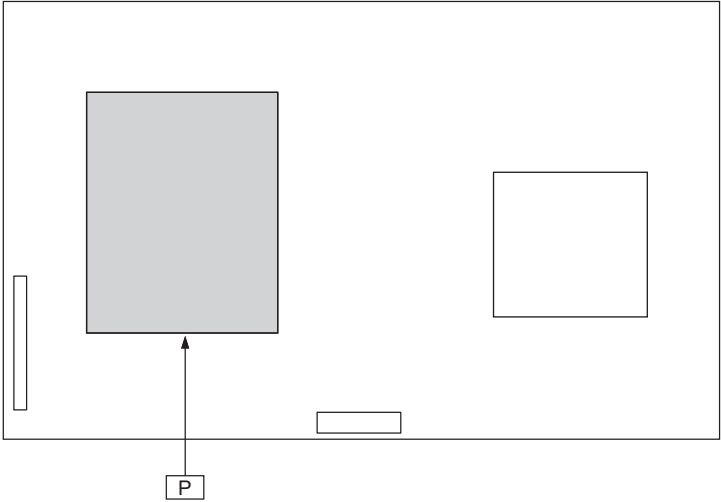
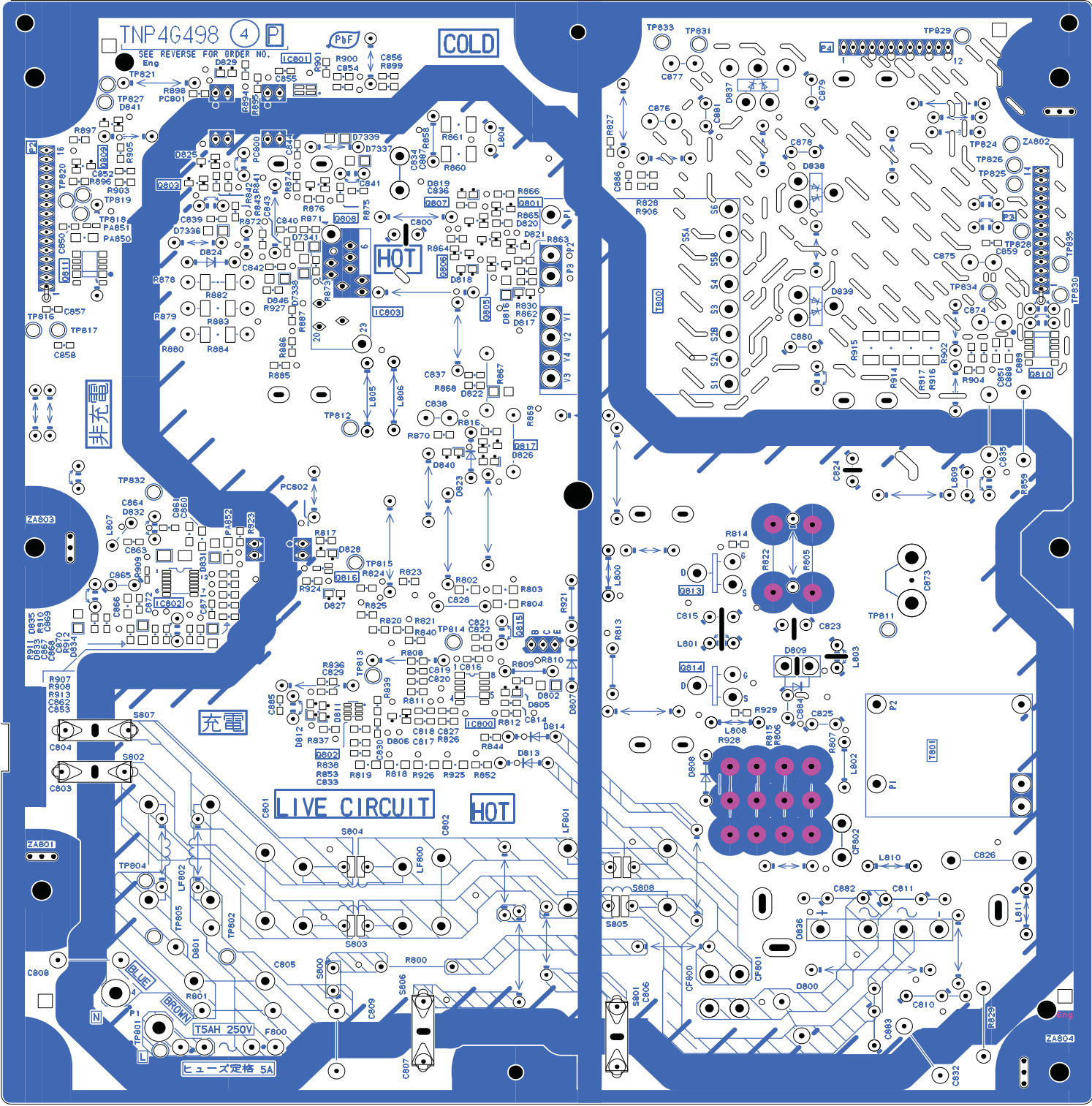
12.3. KA-BOARD



12.4. P-BOARD



P-BOARD (BOTTOM COMPONENT SIDE)
TNP4G498



Parts Location

Ref.No	Location	Ref.No	Location	Ref.No	Location	Ref.No	Location
IC800	C3	D800	E1	D820	C5	D835	A3
IC801	B6	D802	C3	D821	C5	D836	E1
IC802	B3	D805	C3	D822	C4	D837	D6
IC803	C5	D806	C2	D823	C4	D838	E5
		D807	D3	D824	B5	D839	E5
		D809	E3	D825	B5	D840	C4
		D811	C3	D826	C4	D841	B6
		D812	B2	D827	B3	D846	B5
		D813	C2	D828	B3	D7336	B5
		D814	D2	D829	B6	D7337	B5
		D816	C5	D831	B3	D7338	B5
		D817	C5	D832	B4	D7339	B5
		D818	C5	D833	A3	D7341	B5
		D819	C5	D834	A3		

13 Exploded View and Replacement Parts List

13.1. Exploded View and Mechanical Replacement Parts List

Please click the radio button for 'Diagrams II/Parts List' on the menu bar.

13.2. Electrical Replacement Parts List

13.2.1. Replacement Parts List Notes

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.

After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J 1/4W
 Type Allowance

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z 50V
 Type Allowance

Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide	J : ±5%
Metal Film	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester	F : ±1pF
Polyprop	G : ±3pF
lene	J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

13.2.2. Electrical Replacement Parts List

Note: All part will be supplied by PAVCKM.

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
		CAPACITORS		
	C1000	F1G1E1030005	C 0.01UF , 25V	
	C2003	F1G1H1020008	C 1000PF , 50V	
	C2005	F1G1C104A077	C 0.1UF , 16V	
	C2007	F1G1H1020008	C 1000PF , 50V	
	C2008	F1K1E106A136	C 10UF , 25V	
	C2009	F1G1C104A077	C 0.1UF , 16V	
	C2750	F1G1C104A077	C 0.1UF , 16V	
	C2751	F1G1H1020008	C 1000PF , 50V	
	C2752	F1G1H1020008	C 1000PF , 50V	
	C2753	F1G1H1020008	C 1000PF , 50V	
	C2754	F1G1H1020008	C 1000PF , 50V	
	C2755	F1G1H1020008	C 1000PF , 50V	
	C2775	F1G1H101A565	C 100PF , 50V	
	C2801	F2G0J470A019	E 47UF , 6.3V	
	C2802	F1G1C1030008	C 0.01UF , 16V	
	C2805	F1H1C104A041	C 0.1UF , 16V	
	C3008	F1J1A106A043	C 10UF , 10V	
	C3024	F1G1C104A077	C 0.1UF , 16V	
	C3036	F1G1C104A077	C 0.1UF , 16V	
	C3045	F1G1C104A077	C 0.1UF , 16V	
	C3057	F1J1A106A043	C 10UF , 10V	
	C3058	F1G1A105A047	C 1UF , 10V	
	C3059	F1G1A105A047	C 1UF , 10V	
	C3077	F1J1A106A043	C 10UF , 10V	
	C3080	F1G1C104A077	C 0.1UF , 16V	
	C3093	F1J1A106A087	C 10UF , 10V	
	C3095	F1J1A106A087	C 10UF , 10V	
	C3097	F1J1A106A087	C 10UF , 10V	
	C3098	F1J1A106A087	C 10UF , 10V	
	C3099	F1G1H5610004	C 560PF , 50V	
	C3100	F1G1H5610004	C 560PF , 50V	
	C3105	F2H1A101A040	E 100UF , 10V	
	C3107	F1H1A105A025	C 1UF , 10V	
	C3108	F1G1H5610004	C 560PF , 50V	
	C3109	F1G1H5610004	C 560PF , 50V	
	C3110	F1H1A105A025	C 1UF , 10V	
	C3111	F1J1A106A087	C 10UF , 10V	
	C3112	F1G1H5610004	C 560PF , 50V	
	C3115	F1G1H5610004	C 560PF , 50V	
	C3116	F1H1A105A025	C 1UF , 10V	
	C3117	F1H1A105A025	C 1UF , 10V	
	C3118	F1G1C333A081	C 0.033UF , 16V	
	C3119	F1G1C333A081	C 0.033UF , 16V	
	C3146	F1G1C104A077	C 0.1UF , 16V	
	C3153	F1G1H5610004	C 560PF , 50V	
	C3154	F1G1H5610004	C 560PF , 50V	
	C3158	F1G1C104A077	C 0.1UF , 16V	
	C3159	F1G1A105A047	C 1UF , 10V	
	C3160	F1G1A105A047	C 1UF , 10V	
	C3161	F1G1A105A047	C 1UF , 10V	
	C3162	F1J1A106A087	C 10UF , 10V	
	C3163	F1J1A106A087	C 10UF , 10V	
	C3164	F1J1A106A087	C 10UF , 10V	
	C3165	F1J1A106A087	C 10UF , 10V	
	C3166	F1J1A106A087	C 10UF , 10V	
	C3167	F1G1H5610004	C 560PF , 50V	
	C3168	F1G1H5610004	C 560PF , 50V	
	C3169	F1H1A105A025	C 1UF , 10V	
	C3170	F1H1A105A025	C 1UF , 10V	
	C3171	F1J1A106A087	C 10UF , 10V	
	C3172	F1J1A106A087	C 10UF , 10V	
	C3173	F1J1A106A087	C 10UF , 10V	
	C4080	F1H1H103A970	C 0.01UF , 50V	
	C4081	F1H1H103A970	C 0.01UF , 50V	
	C4082	F2G1C470A022	C 47UF , 16V	
	C4546	F1G1A105A047	C 1UF , 10V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C4548	F1G1A105A047	C 1UF , 10V	
	C4800	F1G1H220A565	C 22PF , 50V	
	C4801	F1G1H1020008	C 1000PF , 50V	
	C4802	F1J1A106A043	C 10UF , 10V	
	C4803	F1G1H1020008	C 1000PF , 50V	
	C4804	F1J1A106A043	C 10UF , 10V	
	C4805	F1G1H1020008	C 1000PF , 50V	
	C4806	F1J1A106A043	C 10UF , 10V	
	C4809	F1G1C104A077	C 0.1UF , 16V	
	C4810	F1G1C104A077	C 0.1UF , 16V	
	C4811	F1G1C104A077	C 0.1UF , 16V	
	C4812	F1G1A105A047	C 1UF , 10V	
	C4813	F1G1A105A047	C 1UF , 10V	
	C4814	F1G1H101A565	C 100PF , 50V	
	C4815	F1G1H100A565	C 10PF , 50V	
	C4816	F1G1H100A565	C 10PF , 50V	
	C4817	F1G1H100A565	C 10PF , 50V	
	C4907	F1K1E106A136	C 10UF , 25V	
	C4909	F1J1E105A231	C 1UF , 25V	
	C4910	F1K1E106A136	C 10UF , 25V	
	C4911	F1H1H104A970	C 0.1UF , 16V	
	C4912	F1J1E105A231	C 1UF , 25V	
	C4913	F1H1H104A970	C 0.1UF , 16V	
	C4914	F1J1E105A231	C 1UF , 25V	
	C4915	F1H1H104A970	C 0.1UF , 16V	
	C4916	F1K1E106A136	C 10UF , 25V	
	C4917	F1H1H104A970	C 0.1UF , 16V	
	C4918	F1J1E105A231	C 1UF , 25V	
	C4921	F1J1E4740001	C 0.47UF , 25V	
	C4922	F1J1E4740001	C 0.47UF , 25V	
	C4924	F1J1E4740001	C 0.47UF , 25V	
	C4925	F1J1E4740001	C 0.47UF , 25V	
	C4926	F1H1H223A219	C 0.022UF , 50V	
	C4927	F1H1H223A219	C 0.022UF , 50V	
	C4928	F1H1H223A219	C 0.022UF , 50V	
	C4929	F1H1H223A219	C 0.022UF , 50V	
	C4930	F1H1H223A219	C 0.022UF , 50V	
	C4931	F1H1H223A219	C 0.022UF , 50V	
	C4932	F1H1H223A219	C 0.022UF , 50V	
	C4933	F1H1H223A219	C 0.022UF , 50V	
	C4934	F1G1H1020008	C 1000PF , 50V	
	C4935	F1G1H1020008	C 1000PF , 50V	
	C4936	F1G1H1020008	C 1000PF , 50V	
	C4937	F1G1H1020008	C 1000PF , 50V	
	C4970	F1J1A106A087	C 10UF , 10V	
	C4971	F1J1A106A087	C 10UF , 10V	
	C4972	F2H1A101A040	E 100UF , 10V	
	C4973	F2H1A101A040	E 100UF , 10V	
	C4976	F1K1E106A136	C 10UF , 25V	
	C4977	F1K1E106A136	C 10UF , 25V	
	C5000	F1H1A105A025	C 1UF , 10V	
	C5001	F2H0J1010009	C 100UF , 6.3V	
	C5002	F1H1A105A025	C 1UF , 10V	
	C5004	F1H1A105A025	C 1UF , 10V	
	C5006	F1J1E105A231	C 1UF , 25V	
	C5012	F1H1A105A025	C 1UF , 10V	
	C5020	F1G1C104A077	C 0.1UF , 16V	
	C5021	F1G1A105A047	C 1UF , 10V	
	C5022	F1G1A105A047	C 1UF , 10V	
	C5026	F1H1C105A145	C 0.1UF , 50V	
	C5151	F1H1H103A219	C 0.01UF , 50V	
	C5171	F1G1C1030008	C 0.01UF , 16V	
	C5476	F1H1A105A025	C 1UF , 10V	
	C5477	F1H1A105A025	C 1UF , 10V	
	C5613	EEHBOJ221UP	C 220UF , 6.3V	
	C5616	F1G1C104A077	C 0.1UF , 16V	
	C5618	EEHBOJ221UP	C 220UF , 6.3V	
	C5621	F1G1C104A077	C 0.1UF , 16V	
	C5622	F1J1A106A087	C 10UF , 10V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C5623	FlG1C104A077	C 0.1UF , 16V	
	C5624	FlJ1A106A087	C 10UF , 10V	
	C5625	FlG1C104A077	C 0.1UF , 16V	
	C8001	FlJ1A106A087	C 10UF , 10V	
	C8004	FlG1C104A077	C 0.1UF , 16V	
	C8005	FlG1C104A077	C 0.1UF , 16V	
	C8006	FlG1C104A077	C 0.1UF , 16V	
	C8008	FlG1H1020008	C 1000PF , 50V	
	C8009	FlJ1A106A087	C 10UF , 10V	
	C801	FOCAF224A108	C 0.22PF , 240V	
	C8011	FlG1C104A077	C 0.1UF , 16V	
	C8013	FlG1H1020008	C 1000PF , 50V	
	C8014	FlG1A105A047	C 1UF , 10V	
	C8015	FlG1A105A047	C 1UF , 10V	
	C8016	FlG1C104A077	C 0.1UF , 16V	
	C8019	FlJ1A106A087	C 10UF , 10V	
	C802	FOCAF224A108	C 0.22PF , 240V	
	C8023	FlG1C104A077	C 0.1UF , 16V	
	C8024	FlJ1A106A087	C 10UF , 10V	
	C8025	FlJ1A106A087	C 10UF , 10V	
	C8026	FlJ0G2260001	C 22UF , 4V	
	C8027	FlG1H101A565	C 100PF , 50V	
	C8028	FlG1C104A077	C 0.1UF , 16V	
	C8029	FlG1C104A077	C 0.1UF , 16V	
	C8030	FlG1H101A565	C 100PF , 50V	
	C8031	FlG1C104A077	C 0.1UF , 16V	
	C8034	FlG1C104A077	C 0.1UF , 16V	
	C8035	FlG1C104A077	C 0.1UF , 16V	
	C8037	FlJ1A106A087	C 10UF , 10V	
	C8038	FlG1H1020008	C 1000PF , 50V	
	C8039	FlJ1A106A087	C 10UF , 10V	
	C8041	FlG1C104A077	C 0.1UF , 16V	
	C8042	FlJ1A106A087	C 10UF , 10V	
	C8044	FlG1C104A077	C 0.1UF , 16V	
	C8045	FlG1H101A565	C 100PF , 50V	
	C8046	FlG1C104A077	C 0.1UF , 16V	
	C8047	FlG1C104A077	C 0.1UF , 16V	
	C805	FOCAF224A108	C 0.22PF , 240V	
	C8050	FlG1C104A077	C 0.1UF , 16V	
	C8051	FlG1C104A077	C 0.1UF , 16V	
	C8053	FlG1C104A077	C 0.1UF , 16V	
	C8054	FlG1C104A077	C 0.1UF , 16V	
	C8055	FlG1H1020008	C 1000PF , 50V	
	C806	FlA2E471A003	C 470PF , 250V	
	C807	FlA2E471A003	C 470PF , 250V	
	C8100	FlG1E682A123	C 6800PF , 25V	
	C8102	FlJ1A475A087	C 4.7UF , 10V	
	C8104	FlH1C105A145	C 1UF , 16V	
	C8106	FlG1C223A081	C 0.022UF , 16V	
	C8108	FlG1C104A077	C 0.1UF , 16V	
	C8110	FlG1C104A077	C 0.1UF , 16V	
	C8112	FlK1E106A136	C 10UF , 25V	
	C8114	FlK1E106A136	C 10UF , 25V	
	C8116	FlK1E106A136	C 10UF , 25V	
	C8118	FlK1E106A136	C 10UF , 25V	
	C8120	FlJ0G2260001	C 22UF , 4V	
	C8122	FlJ0G2260001	C 22UF , 4V	
	C8124	FlJ0G2260001	C 22UF , 4V	
	C8126	FlJ0G2260001	C 22UF , 4V	
	C8128	FlJ0G2260001	C 22UF , 4V	
	C814	FlJ1H222A721	C 2200PF , 50V	
	C815	FlA3A471A060	C 470PF , 1kV	
	C816	FlJ1H102A721	C 1000PF , 50V	
	C817	FlJ1H104A717	C 0.1UF , 50V	
	C818	FlJ1E224A136	C 0.22UF , 25V	
	C819	FlJ1H1030007	C 0.01UF , 50V	
	C820	FlJ1H1030007	C 0.01UF , 50V	
	C8200	FlG1C104A077	C 0.1UF , 16V	
	C8203	FlG1C104A077	C 0.1UF , 16V	
	C8204	FlG1C104A077	C 0.1UF , 16V	
	C8205	FlG1C104A077	C 0.1UF , 16V	
	C8206	FlG1C104A077	C 0.1UF , 16V	
	C8207	FlJ1A106A087	C 10UF , 10V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C8208	FlG1C104A077	C 0.1UF , 16V	
	C821	FlJ1H474A757	C 0.47UF , 50V	
	C8210	FlG1C104A077	C 0.1UF , 16V	
	C8212	FlG1C104A077	C 0.1UF , 16V	
	C8215	FlG1C104A077	C 0.1UF , 16V	
	C8216	FlJ1A106A087	C 10UF , 10V	
	C8218	FlG1C104A077	C 0.1UF , 16V	
	C822	FlJ1H104A717	C 0.1UF , 50V	
	C8220	FlG1C104A077	C 0.1UF , 16V	
	C8221	FlG1C104A077	C 0.1UF , 16V	
	C8224	FlG1C104A077	C 0.1UF , 16V	
	C8225	FlG1C104A077	C 0.1UF , 16V	
	C825	FlA3A471A060	C 470PF , 1kV	
	C826	FOCZZ105A097	C 1UF , 240V	
	C829	FlJ1H2240009	C 0.22UF , 50V	
	C830	FlJ1H2240009	C 0.22UF , 50V	
	C8300	FlG1H6R0A732	C 6PF , 50V	
	C8301	FlG1H7R0A732	C 7PF , 50V	
	C8302	FlG1C104A077	C 0.1UF , 16V	
	C8303	FlG1C104A077	C 0.1UF , 16V	
	C8304	FlG1C104A077	C 0.1UF , 16V	
	C8305	FlG1A105A047	C 1UF , 10V	
	C8306	FlG1A105A047	C 1UF , 10V	
	C8307	FlG1A105A047	C 1UF , 10V	
	C8308	FlG1A105A047	C 1UF , 10V	
	C8309	FlG1A105A047	C 1UF , 10V	
	C8310	FlG1A105A047	C 1UF , 10V	
	C8311	FlG1A105A047	C 1UF , 10V	
	C832	FlA2E471A002	C 470PF , 250V	
	C833	FlJ1H102A721	C 1000PF , 50V	
	C834	FOC2K273A040	C 0.027UF , 800V	
	C836	FlJ1E223A226	C 0.022UF , 25V	
	C837	FlJ1H221A709	C 220PF , 50V	
	C838	F2A1V4710023	C 470UF , 35V	
	C839	FlJ1H104A717	C 0.1UF , 50V	
	C840	FlJ1H221A709	C 220PF , 50V	
	C841	FlJ1E105A231	C 1UF , 25V	
	C842	FlJ1H104A717	C 0.1UF , 50V	
	C843	FlJ1H102A721	C 1000PF , 50V	
	C844	FlJ1E105A231	C 1UF , 25V	
	C850	FlJ1H104A717	C 0.1UF , 50V	
	C852	FlJ1H474A757	C 0.47UF , 50V	
	C854	FlJ1H1030007	C 0.01UF , 50V	
	C858	FlJ1H104A717	C 0.1UF , 50V	
	C859	FlJ1H104A717	C 0.1UF , 50V	
	C860	FlK1E106A136	C 10UF , 25V	
	C8602	FlG1H390A565	C 39PF , 50V	
	C8603	FlJ1A106A087	C 10UF , 10V	
	C8604	FlG1C104A077	C 0.1UF , 16V	
	C8605	FlG1C104A077	C 0.1UF , 16V	
	C8607	FlG1H100A565	C 100PF , 50V	
	C8608	FlG1H100A565	C 100PF , 50V	
	C8609	FlG1C104A077	C 0.1UF , 16V	
	C861	FlK1E106A136	C 10UF , 25V	
	C8611	FlG1C104A077	C 0.1UF , 16V	
	C8615	FlJ1A106A087	C 10UF , 10V	
	C8616	FlJ1A106A087	C 10UF , 10V	
	C8617	FlG1C104A077	C 0.1UF , 16V	
	C8619	FlG1C104A077	C 0.1UF , 16V	
	C862	FlJ1E224A136	C 0.22UF , 25V	
	C8620	FlG1C104A077	C 0.1UF , 16V	
	C8627	FlG1C104A077	C 0.1UF , 16V	
	C8628	FlJ1A106A087	C 10UF , 10V	
	C8629	FlG1H390A565	C 39PF , 50V	
	C8630	FlG1H220A565	C 22PF , 50V	
	C864	FlJ1E105A231	C 1UF , 25V	
	C8644	FlG1C104A077	C 0.1UF , 16V	
	C866	FlK1E106A136	C 10UF , 25V	
	C867	FlJ1E223A226	C 0.022UF , 25V	
	C868	FlJ1H222A721	C 2200PF , 50V	
	C870	FlJ1H472A702	C 4700PF , 50V	
	C8700	FlG1E1030005	C 0.01UF , 25V	
	C8702	FlK0J226A049	C 22UF , 6.3V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C8703	F1K0J226A049	C 22UF , 6.3V	
	C8705	F1G1E1030005	C 0.01UF , 25V	
	C8707	F1G1E1030005	C 0.01UF , 25V	
	C8708	F1J1A106A043	C 10UF , 10V	
	C8709	F1J1A106A043	C 10UF , 10V	
	C871	F1J1E105A231	C 1UF , 25V	
	C8710	F1J1A106A043	C 10UF , 10V	
	C8711	F1G1C223A081	C 0.022UF , 16V	
	C8712	F1G1E272A123	C 2700PF , 25V	
	C8714	F1J1A475A087	C 4.7UF , 10V	
	C8715	F1J1A106A087	C 10UF , 10V	
	C8716	F1G1C104A077	C 0.1UF , 16V	
	C8717	F1G1C104A077	C 0.1UF , 16V	
	C872	F1J1H104A578	C 0.1UF , 50V	
	C8721	F1K1E106A136	C 10UF , 25V	
	C8722	F1K1E106A136	C 10UF , 25V	
	C8723	F1K1E106A136	C 10UF , 25V	
	C8724	F1K1E106A136	C 10UF , 25V	
	C873	F2A2W1710001	C 170UF , 450V	
	C874	F2A1V102B457	E 1000UF , 35V	
	C876	F2A1E102B729	E 1000UF , 25V	
	C8764	F1H1A105A025	C 1UF , 10V	
	C8765	F1H1A105A025	C 1UF , 10V	
	C8769	F1G1C223A081	C 0.022UF , 16V	
	C8772	F1K0J226A049	C 22UF , 6.3V	
	C8773	F1K0J226A049	C 22UF , 6.3V	
	C8774	F1G1E1030005	C 0.01UF , 25V	
	C8776	F1K1E106A136	C 10UF , 25V	
	C8777	F1G1E222A123	C 2200PF , 25V	
	C8778	F1G1E222A123	C 2200PF , 25V	
	C8780	F1K1E106A136	C 10UF , 25V	
	C8781	F1G1H1020008	C 1000PF , 50V	
	C8782	F1G1C153A081	C 0.015UF , 16V	
	C8783	F1K1E106A136	C 10UF , 25V	
	C8784	F1K1E106A136	C 10UF , 25V	
	C884	F1A3A471A060	C 470PF , 1kV	
	C885	F1J1H102A721	C 1000PF , 50V	
	C888	F1K1E106A136	C 10UF , 25V	
	C889	F1K1E106A136	C 10UF , 25V	
	C8900	F1G1C104A077	C 0.1UF , 16V	
	C8901	F1G1C104A077	C 0.1UF , 16V	
	C8902	F1G1C104A077	C 0.1UF , 16V	
	C8903	F1G1C104A077	C 0.1UF , 16V	
		DIODES		
	D1000	B0JCCE000008	DIODE	
	D2005	EZJZ0V120JA	VARISTOR	
	D2800A	B3AGB0000065	LED	
	D3050	K7AAAY000006	DIODE	
	D4001	DA2J10100L	DIODE	
	D4704	B0JCCD000020	DIODE	
	D4721	B0JCCD000020	DIODE	
	D4772	B0JCCD000020	DIODE	
	D4773	B0JCCE000008	DIODE	
	D5172	B0BC01700015	DIODE	
	D5173	DA2J10100L	DIODE	
	D5174	B0BC010A0007	DIODE	
	D5175	DA2J10100L	DIODE	
	D5180	DZ2J033M0L	DIODE	
	D5480	B0JCCE000008	DIODE	
	D7336	B0BC02500002	DIODE	
	D7337	B0BC02500002	DIODE	
	D7338	B0BC02500002	DIODE	
	D7339	B0BC02500002	DIODE	
	D7341	B0BC02500002	DIODE	
⚠	D800	ERZV10V621CS	VARISTOR	
⚠	D801	ERZV10V621CS	VARISTOR	
	D802	B0BC02500002	DIODE	
	D805	DZ2J047M0L	DIODE	
	D806	B0ADCK000001	DIODE	
	D807	B0JAME000126	DIODE	
	D808	B0JAME000126	DIODE	
	D809	B0FABR000004	DIODE	
	D811	DZ2J068M0L	DIODE	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	D812	DA2J10100L	DIODE	
	D813	B0HAGQ000001	DIODE	
	D814	B0HAGQ000001	DIODE	
	D816	B0BC02500002	DIODE	
	D817	DA2J10100L	DIODE	
	D818	DA2J10100L	DIODE	
	D819	DA2J10100L	DIODE	
	D820	B0ACDJ000016	DIODE	
	D821	B0ACDJ000016	DIODE	
	D822	B0BC4R000002	DIODE	
	D823	B0HAGQ000001	DIODE	
	D824	B0JAME000126	DIODE	
	D825	B0ADCK000001	DIODE	
	D826	DA2J10100L	DIODE	
	D828	DA2J10100L	DIODE	
	D829	DA2J10100L	DIODE	
	D832	B0JCPE000038	DIODE	
	D836	B0FBAT000017	DIODE	
	D837	B0JBSL000026	DIODE	
	D838	B0JBSL000026	DIODE	
	D840	DZ2J180M0L	DIODE	
	D841	B0ADCK000001	DIODE	
	D8716	DA2J10100L	DIODE	
	D8721	B0JCPC000030	DIODE	
		INTEGRATED CIRCUITS		
	IC3001	C1AB00003385	IC	
	IC4900	C1AB00003457	IC	
	IC5000	AN34043A-VF	IC	
	IC5416	C0DBGYY00281	IC	
	IC5601	C0DBZYY00368	IC	
	IC5602	C0DBZYY00368	IC	
	IC800	C0DBBY000033	IC	
	IC8000	MN2WS0175C	IC	
	IC801	C0DBZMC00006	IC	
	IC802	C0DBAYY00922	IC	
	IC803	C5HAZYY00014	IC	
	IC8100	C0DBAYY00715	IC	
	IC8200	C3ABTY000025	IC	
	IC8201	C3ABTY000025	IC	
	IC8601	C1CB00003491	IC	
	IC8700	C0DBAYY00915	IC	
	IC8701	C0DBAYY00915	IC	
	IC8702	C0DBAFG00029	IC	
	IC8706	C0DBGYY00887	IC	
	IC8707	C0DBAYY00462	IC	
	IC8900	TVR4G230-AB	ROM IC (C3FBTY000011)	
	IC8901	C3EBGC000056	IC	
	IC8902	C3EBGC000056	IC	
		COILS		
	L2001	J0JYC0000065	COIL	
	L2310	J0JHC0000078	BEAD CORE	
	L2311	J0JHC0000078	BEAD CORE	
	L2312	J0JHC0000078	BEAD CORE	
	L2313	J0JHC0000078	BEAD CORE	
	L2750	J0JYC0000065	COIL	
	L2751	J0JYC0000065	COIL	
	L2752	J0JYC0000065	COIL	
	L2754	J0JYC0000065	COIL	
	L3000	J0JCC0000287	COIL	
	L3001	J0JCC0000287	COIL	
	L3002	J0JCC0000287	COIL	
	L3003	J0JCC0000287	COIL	
	L3004	J0JCC0000287	COIL	
	L3005	J0JCC0000287	COIL	
	L3006	G1C100MA0072	COIL	
	L3102	J0JCC0000287	COIL	
	L3103	J0JCC0000287	COIL	
	L3119	J0JCC0000287	COIL	
	L3120	J0JCC0000287	COIL	
	L3121	J0JCC0000287	COIL	
	L3122	J0JCC0000287	COIL	
	L3123	J0JCC0000287	COIL	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	L4700	J0JYC0000311	BEAD CORE	
	L4701	J0JYC0000311	BEAD CORE	
	L4703	J0JYC0000311	BEAD CORE	
	L4704	J0JYC0000311	BEAD CORE	
	L4705	J0JYC0000311	BEAD CORE	
	L4706	J0JYC0000311	BEAD CORE	
	L4800	J0JGC0000020	CHIP BEADS	
	L4801	J0JGC0000020	CHIP BEADS	
	L4802	J0JGC0000020	CHIP BEADS	
	L4803	G1CR39J00009	COIL	
	L4804	G1CR39J00009	COIL	
	L4805	J0JCC0000278	COIL	
	L4900	G1C150MA0426	INDUCTOR	
	L4901	G1C150MA0426	INDUCTOR	
	L4902	G1C150MA0426	INDUCTOR	
	L4903	G1C150MA0426	INDUCTOR	
	L5601	J0JYC0000322	COIL	
	L5602	J0JYC0000322	COIL	
	L5603	J0ZZB0000142	FILTER	
	L5604	J0ZZB0000142	FILTER	
	L5605	J0ZZB0000142	FILTER	
	L5606	J0ZZB0000142	FILTER	
	L8003	J0JCC0000287	COIL	
	L8005	J0JYC0000322	COIL	
	L8006	J0JYC0000322	COIL	
	L8007	J0JYC0000322	COIL	
	L8009	J0JKC0000021	BEAD CORE	
	L801	J0JKB0000034	EMI FILTER	
	L8015	J0JCC0000287	COIL	
	L8016	J0JCC0000287	COIL	
	L802	J0JKA0000038	BEAD CORE	
	L804	J0JKB0000034	EMI FILTER	
	L807	G0C270MA0049	INDUCTOR	
	L8100	G1C4R7MA0416	INDUCTOR	
	L8102	G1C3R3MA0425	INDUCTOR	
	L8600	J0JYC0000322	COIL	
	L8603	J0JCC0000409	BEAD CORE	
	L8604	J0JCC0000409	BEAD CORE	
	L8700	G1C4R7MA0416	INDUCTOR	
	L8701	G1C4R7MA0416	INDUCTOR	
	L8702	G1C220MA0416	COIL	
		TRANSISTORS		
	Q0900	B1ADCF000194	TRANSISTOR	
	Q2800	DSC200100L	TRANSISTOR	
	Q2801	DSC200100L	TRANSISTOR	
	Q2802	DSC200100L	TRANSISTOR	
	Q3104	B1ABCE000015	TRANSISTOR	
	Q3105	B1ABCE000015	TRANSISTOR	
	Q4513	B1ADCF000194	TRANSISTOR	
	Q4514	B1HFCEA00001	TRANSISTOR	
	Q4700	B1ABCE000015	TRANSISTOR	
	Q4702	B1ABCE000015	TRANSISTOR	
	Q4709	B1ABCE000015	TRANSISTOR	
	Q4971	B1AAF0000002	TRANSISTOR	
	Q4972	B1AAF0000002	TRANSISTOR	
	Q4974	DSC2001S0L	TRANSISTOR	
	Q801	B1ABCE000015	TRANSISTOR	
	Q802	B1HFCEA00020	TRANSISTOR	
	Q803	B1ADCE000022	TRANSISTOR	
	Q805	B1ADGJ000008	TRANSISTOR	
	Q806	B1ABGF000019	TRANSISTOR	
	Q807	B1ABCE000015	TRANSISTOR	
	Q808	B1ADCE000022	TRANSISTOR	
	Q809	B1ABCE000015	TRANSISTOR	
	Q810	B1CHRE000011	TRANSISTOR	
	Q8100	B1MBEDA00027	TRANSISTOR	
	Q8102	B1MBEDA00027	TRANSISTOR	
	Q811	B1CHRE000008	TRANSISTOR	
	Q813	B1CERR000047	TRANSISTOR	
	Q814	B1CERR000047	TRANSISTOR	
	Q815	B1BCCF000022	TRANSISTOR	
	Q816	B1CBGD000001	TRANSISTOR	
	Q817	B1ABCE000015	TRANSISTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
		RESISTORS		
	R0800	D0GA472JA023	C 4.7KOHM ,J, 1/16W	
	R0900	D0GA272JA023	C 2.7KOHM ,J, 1/16W	
	R0901	D0GA272JA023	C 2.7KOHM ,J, 1/16W	
	R0902	D0GA272JA023	C 2.7KOHM ,J, 1/16W	
	R0903	D0GA272JA023	C 2.7KOHM ,J, 1/16W	
	R0904	D0GA272JA023	C 2.7KOHM ,J, 1/16W	
	R0905	D0GA272JA023	C 2.7KOHM ,J, 1/16W	
	R0906	D0GA272JA023	C 2.7KOHM ,J, 1/16W	
	R0907	D0GA272JA023	C 2.7KOHM ,J, 1/16W	
	R0910	EXB28V472JX	C 4.7KOHM ,J, 1/16W	
	R0911	D0GA473JA023	C 47KOHM ,J, 1/16W	
	R0918	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0919	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0920	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0921	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0922	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0923	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0924	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0925	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0928	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0929	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0930	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0931	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0932	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0933	D0GA220JA023	C 22OHM ,J, 1/16W	
	R0934	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0935	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0936	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0937	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0938	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0939	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0940	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0941	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0942	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0943	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0944	D0GA101JA023	C 100OHM ,J, 1/16W	
	R0945	D0GA102JA023	C 1KOHM ,J, 1/16W	
	R0947	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0948	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0949	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0951	D0GA473JA023	C 47KOHM ,J, 1/16W	
	R0952	D0GA102JA023	C 1KOHM ,J, 1/16W	
	R0962	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0963	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0964	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0965	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0966	D0GA680JA023	C 68OHM ,J, 1/16W	
	R0967	D0GA680JA023	C 68OHM ,J, 1/16W	
	R1000	D0GA331JA023	C 330OHM ,J, 1/16W	
	R1001	D1BB7151A073	7.15KOHM ,1/10W	
	R1004	D0GA103JA015	C 10KOHM ,J, 1/16W	
	R1005	D0GA102JA023	C 1KOHM ,J, 1/16W	
	R1006	D0GA182JA023	C 1.8KOHM ,J, 1/16W	
	R1304	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R1305	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R1307	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R1308	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R1309	D0GA473JA023	C 47KOHM ,J, 1/16W	
	R1311	D0GA473JA023	C 47KOHM ,J, 1/16W	
	R1312	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R1313	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R2003	D0GB180JA065	18OHM ,J, 1/16W	
	R2006	D0GA101JA023	C 100OHM ,J, 1/16W	
	R2009	D0GA101JA023	C 100OHM ,J, 1/16W	
	R2012	D0GA222JA023	C 2.2KOHM ,J, 1/16W	
	R2016	D0GDR00J0004	C 0OHM ,J, 1/8W	
	R2018	D0GA473JA023	C 47KOHM ,J, 1/16W	
	R2019	D0GA473JA023	C 47KOHM ,J, 1/16W	
	R2025	D0GDR00J0004	C 0OHM ,J, 1/8W	
	R2600	D0GDR00JA017	C 0OHM ,J, 1/8W	
	R2601	D1BD1741A044	C 1.74KOHM , 1/8W	
	R2602	D1BD7151A044	C 7.15KOHM , 1/8W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R2603	D1BD6651A044	C 6.65KOHM , 1/8W	
	R2604	D1BD1432A044	C 14.3KOHM , 1/8W	
	R2752	D0GDR00J0004	C 00HM ,J, 1/8W	
	R2753	D0GDR00J0004	C 00HM ,J, 1/8W	
	R2772	D0GAR00J0005	C 00HM ,J, 1/16W	
	R2800	D1BA9530A014	C 953OHM , 1/8W	
	R2801	D0GA473JA015	C 47KOHM ,J, 1/16W	
	R2802	D0GA223JA023	C 22KOHM ,J, 1/16W	
	R2803	D0GA473JA015	C 47KOHM ,J, 1/16W	
	R2804	D0GA103JA015	C 10KOHM ,J, 1/16W	
	R2805	D1BA2261A014	C 2.26KOHM , 1/16W	
	R2806	D0GA470JA023	C 47OHM ,J, 1/16W	
	R2807	D0GA562JA023	C 5.6KOHM ,J, 1/16W	
	R2808	D0GA184JA023	C 180KOHM ,J, 1/8W	
	R2809	D0GA103JA015	C 10KOHM ,J, 1/16W	
	R2810	D0GA104JA023	C 100KOHM ,J, 1/16W	
	R2811	D0GA103JA015	C 10KOHM ,J, 1/16W	
	R2816	D0GA473JA023	C 47KOHM ,J, 1/16W	
	R3002	D0GA122JA023	C 1.2KOHM ,J, 1/16W	
	R3013	D0GA221JA023	C 220OHM ,J, 1/16W	
	R3053	D1BD75R0A066	C 75OHM , 1/8W	
	R3054	D0GA221JA023	C 220OHM ,J, 1/16W	
	R3055	D0GA333JA023	C 33KOHM ,J, 1/16W	
	R3056	D0GA333JA023	C 33KOHM ,J, 1/16W	
	R3057	D0GA221JA023	C 220OHM ,J, 1/16W	
	R3058	D0GA221JA023	C 220OHM ,J, 1/16W	
	R3059	D1BD75R0A066	C 75OHM , 1/8W	
	R3060	D0GA221JA023	C 220OHM ,J, 1/16W	
	R3061	D0GA333JA023	C 33KOHM ,J, 1/16W	
	R3062	D0GA333JA023	C 33KOHM ,J, 1/16W	
	R3063	D0GA221JA023	C 220OHM ,J, 1/16W	
	R3064	D0GA221JA023	C 220OHM ,J, 1/16W	
	R3070	D0GA101JA023	C 100OHM ,J, 1/16W	
	R3101	D0GA472JA023	C 4.7KOHM ,J, 1/16W	
	R3102	D0GA472JA023	C 4.7KOHM ,J, 1/16W	
	R3103	D1BD75R0A066	C 75OHM , 1/8W	
	R3105	D1BD75R0A066	C 75OHM , 1/8W	
	R3119	D0GA473JA023	C 47KOHM ,J, 1/16W	
	R3123	EXB28V680JX	68OHM ,J, 1/10W	
	R3126	D0GA680JA023	C 68OHM ,J, 1/16W	
	R3148	D0GAR00J0005	C 00HM ,J, 1/16W	
	R3175	D1BD75R0A066	C 75OHM , 1/8W	
	R3176	D1BD75R0A066	C 75OHM , 1/8W	
	R3178	D1BD75R0A066	C 75OHM , 1/8W	
	R3184	D0GA104JA023	C 100KOHM ,J, 1/16W	
	R3185	D0GA104JA023	C 100KOHM ,J, 1/16W	
	R3190	D0GA101JA023	C 100OHM ,J, 1/16W	
	R3191	D0GA101JA023	C 100OHM ,J, 1/16W	
	R3192	D0GA820JA023	82OHM ,J, 1/16W	
	R3193	D0GA820JA023	82OHM ,J, 1/16W	
	R3194	D0GA331JA023	C 330OHM ,J, 1/16W	
	R3195	D0GA331JA023	C 330OHM ,J, 1/16W	
	R3196	D0GA820JA023	82OHM ,J, 1/16W	
	R3197	D1BD75R0A066	C 75OHM , 1/8W	
	R3198	D0GA221JA023	C 220OHM ,J, 1/16W	
	R3199	D0GA333JA023	C 33KOHM ,J, 1/16W	
	R3200	D0GA333JA023	C 33KOHM ,J, 1/16W	
	R3201	D0GA221JA023	C 220OHM ,J, 1/16W	
	R3202	D0GA221JA023	C 220OHM ,J, 1/16W	
	R3203	D1BD75R0A066	C 75OHM , 1/8W	
	R3224	D0GAR00J0005	C 00HM ,J, 1/16W	
	R3225	D0GAR00J0005	C 00HM ,J, 1/16W	
	R3226	D0GAR00J0005	C 00HM ,J, 1/16W	
	R3227	D0GAR00J0005	C 00HM ,J, 1/16W	
	R3228	D0GAR00J0005	C 00HM ,J, 1/16W	
	R3931	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R3933	D0GA680JA023	C 68OHM ,J, 1/16W	
	R3960	D0GA473JA023	C 47KOHM ,J, 1/16W	
	R4000	EXB28VR000X	00HM , 1/10W	
	R4001	D0GAR00J0005	C 00HM ,J, 1/16W	
	R4024	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4025	EXB28V103JX	10KOHM ,J, 1/10W	
	R4027	EXB28V103JX	10KOHM ,J, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R4029	EXB28VR000X	00HM , 1/10W	
	R4034	EXB28VR000X	00HM , 1/10W	
	R4035	EXB28VR000X	00HM , 1/10W	
	R4048	EXB28VR000X	00HM , 1/10W	
	R4049	EXB28VR000X	00HM , 1/10W	
	R4059	EXB28VR000X	00HM , 1/10W	
	R4060	EXB28VR000X	00HM , 1/10W	
	R4061	EXB28VR000X	00HM , 1/10W	
	R4062	EXB28VR000X	00HM , 1/10W	
	R4080	D0GAR00Z0001	C 00HM ,J, 1/16W	
	R4082	ERJ6GEY0R00V	C 00HM ,J, 1/16W	
	R4084	D0GAR00Z0001	C 00HM ,J, 1/16W	
	R4086	D0GAR00Z0001	C 00HM ,J, 1/16W	
	R4548	D0GA220JA023	C 22OHM ,J, 1/16W	
	R4549	D0GA151JA023	C 150OHM ,J, 1/16W	
	R4550	D0GA151JA023	C 150OHM ,J, 1/16W	
	R4551	D0GA151JA023	C 150OHM ,J, 1/16W	
	R4552	D0GA560JA023	C 56OHM ,J, 1/16W	
	R4554	D0GA102JA023	C 1KOHM ,J, 1/16W	
	R4556	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4557	D0GAR00J0005	C 00HM ,J, 1/16W	
	R4560	D0GA473JA023	C 47KOHM ,J, 1/16W	
	R4563	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4702	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4708	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4709	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4710	EXB28V473JX	47KOHM ,J, 1/16W	
	R4711	D0GA102JA023	C 1KOHM ,J, 1/16W	
	R4715	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4721	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4722	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4723	EXB28V473JX	47KOHM ,J, 1/16W	
	R4724	D0GA102JA023	C 1KOHM ,J, 1/16W	
	R4739	D0GA220JA023	C 22OHM ,J, 1/16W	
	R4788	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4794	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4795	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4796	EXB28V473JX	47KOHM ,J, 1/16W	
	R4797	D0GA102JA023	C 1KOHM ,J, 1/16W	
	R4798	D0GA273JA023	C 27KOHM ,J, 1/16W	
	R4805	D0GAR00J0005	C 00HM ,J, 1/16W	
	R4806	D0GAR00J0005	C 00HM ,J, 1/16W	
	R4807	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4845	EXB28VR000X	00HM , 1/10W	
	R4846	EXB28VR000X	00HM , 1/10W	
	R4848	D0GAR00Z0001	C 00HM ,J, 1/16W	
	R4849	D0GAR00Z0001	C 00HM ,J, 1/16W	
	R4853	D0GAR00Z0001	C 00HM ,J, 1/16W	
	R4854	D0GAR00Z0001	C 00HM ,J, 1/16W	
	R4857	EXB28VR000X	00HM , 1/10W	
	R4858	EXB28VR000X	00HM , 1/10W	
	R4910	D0GA100JA023	C 10OHM ,J, 1/16W	
	R4911	D0GA100JA023	C 10OHM ,J, 1/16W	
	R4912	D0GA100JA023	C 10OHM ,J, 1/16W	
	R4913	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4914	EXB28V220JX	22OHM ,J, 1/2W	
	R4915	D0GF3R3JA048	C 3.3OHM , 1/8W	
	R4916	D0GF3R3JA048	C 3.3OHM , 1/8W	
	R4917	D0GF3R3JA048	C 3.3OHM , 1/8W	
	R4918	D0GF3R3JA048	C 3.3OHM , 1/8W	
	R4919	D0GFR00J0005	C 00HM ,J, 1/16W	
	R4921	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4970	D1BB1403A073	140KOHM ,J, 1/16W	
	R4971	D1BB1403A073	140KOHM ,J, 1/16W	
	R4972	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4973	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4974	D0GF122JA048	C 1.2KOHM ,J, 1/16W	
	R4978	D0GA472JA023	C 4.7KOHM ,J, 1/16W	
	R4979	D0GA472JA023	C 4.7KOHM ,J, 1/16W	
	R4984	D0GA473JA023	C 47KOHM ,J, 1/16W	
	R4985	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4987	D0GF122JA048	C 1.2KOHM ,J, 1/16W	
	R5002	D0GA683JA023	C 68KOHM ,J, 1/16W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R5003	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R5006	D0GA563JA023	56KOHM ,J, 1/16W	
	R5007	D0GA223JA023	C 22KOHM ,J, 1/16W	
	R5009	D1BA5602A023	C 56KOHM ,J, 1/16W	
	R5012	D1BA2202A023	C 22KOHM ,J, 1/16W	
	R5030	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R5104	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R5152	D0GA222JA023	C 2.2KOHM ,J, 1/16W	
	R5173	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R5175	D0GA680JA023	C 68OHM ,J, 1/16W	
	R5176	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R5178	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R5179	D0GA153JA023	C 15KOHM ,J, 1/10W	
	R5180	D0GA683JA023	C 68KOHM ,J, 1/16W	
	R5181	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R5606	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R5607	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R5608	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R5609	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R6940	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R6956	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R6957	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R8001	D0GA331JA023	C 330OHM ,J, 1/16W	
	R801	ERC122GK105V	S 1MOHM ,K, 1/2W	
	R802	ERJ8ENF1504	C 1.5MOHM ,J, 1/16W	
	R803	ERJ8ENF1504	C 1.5MOHM ,J, 1/16W	
	R804	ERJ8ENF1504	C 1.5MOHM ,J, 1/16W	
	R805	ERG2SJ330P	F 33OHM ,J, 2W	
	R806	ERX2SJR22P	M 0.22OHM ,J, 2W	
	R807	ERX2SJR22P	M 0.22OHM ,J, 2W	
	R808	D0GD683JA052	C 68KOHM ,J, 1/16W	
	R810	D0AF221JA112	220OHM ,J, 1/2W	
	R8100	D1BB1301A087	1.3KOHM ,J, 1/10W	
	R8102	D1BB2101A074	C 2.1KOHM ,J, 1/10W	
	R8104	D1BB8200A074	C 820OHM ,J, 1/10W	
	R8106	D1BB2001A074	C 2KOHM ,J, 1/10W	
	R8108	D0GB100JA065	C 10OHM ,J, 1/10W	
	R811	D0GD563JA052	C 75KOHM ,J, 1/8W	
	R8110	D0GB100JA065	C 10OHM ,J, 1/10W	
	R8114	D0GA243JA023	C 24KOHM ,J, 1/16W	
	R8118	D0GA183JA023	C 18KOHM ,J, 1/16W	
	R812	D0GD470JA052	47OHM ,J, 1/8W	
	R813	D0AF220JA112	22OHM ,J, 1/2W	
	R814	D0GD473JA052	C 47KOHM ,J, 1/8W	
	R815	ERX2SJR22P	M 0.22OHM ,J, 2W	
	R816	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R817	D0GD392JA052	C 3.9KOHM ,J, 1/16W	
	R818	ERJ8ENF2204	C 2.2MOHM ,J, 1/16W	
	R819	ERJ8ENF2204	C 2.2MOHM ,J, 1/16W	
	R820	D1BD1001A066	C 1KOHM ,J, 1/16W	
	R8200	D1BA2400A023	C 240OHM ,J, 1/16W	
	R8203	D1BA1001A023	C 1KOHM ,J, 1/16W	
	R8204	D1BA1001A023	C 1KOHM ,J, 1/16W	
	R8205	D1BA1001A023	C 1KOHM ,J, 1/16W	
	R8206	D1BA1001A023	C 1KOHM ,J, 1/16W	
	R8207	D1BA1001A023	C 1KOHM ,J, 1/16W	
	R8208	D1BA1001A023	C 1KOHM ,J, 1/16W	
	R821	D1BD3302A066	C 33KOHM ,J, 1/16W	
	R8217	D0GA221JA023	C 220OHM ,J, 1/16W	
	R8218	D0GA221JA023	C 220OHM ,J, 1/16W	
	R8219	D1BA2400A023	C 240OHM ,J, 1/16W	
	R822	ERG2SJ330P	F 33OHM ,J, 2W	
	R8220	D1BA2400A023	C 240OHM ,J, 1/16W	
	R8221	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R8222	EXB28V330JX	33OHM ,J, 1/16W	
	R8223	EXB28V330JX	33OHM ,J, 1/16W	
	R8224	D1BA1001A023	C 1KOHM ,J, 1/16W	
	R8225	D1BA1001A023	C 1KOHM ,J, 1/16W	
	R823	D1BD7503A066	C 750KOHM ,J, 1/10W	
	R824	D1BD6803A066	C 680KOHM ,J, 1/16W	
	R825	D1BD6802A066	C 68KOHM ,J, 1/16W	
	R826	D0GD683JA052	C 68KOHM ,J, 1/16W	
	R827	D0GD222JA052	C 2.2KOHM ,J, 1/16W	

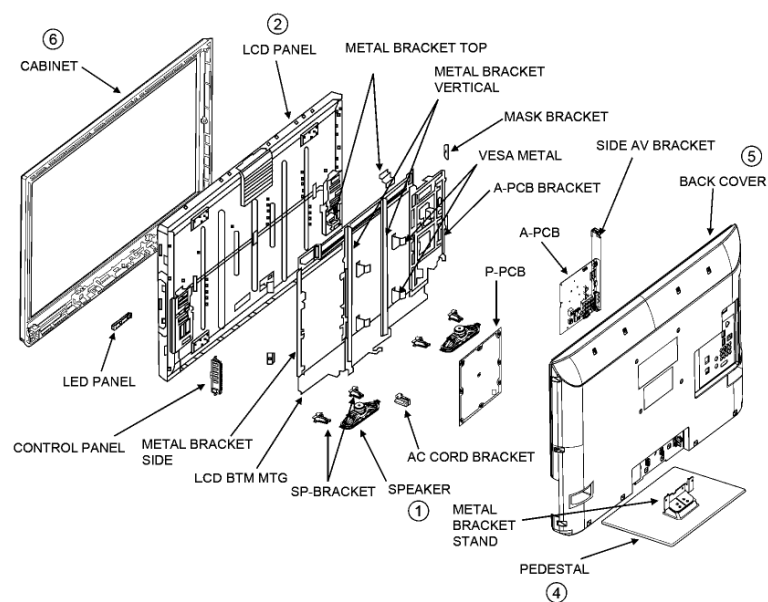
Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R829	D0B1106JA033	10MOHM ,J, 1/16W	
	R830	D0GD301JA052	C 300OHM ,J, 1/16W	
	R8301	D0GA681JA023	680OHM ,J, 1/16W	
	R8302	D0GA360JA023	C 360OHM ,J, 1/16W	
	R8303	D0GA360JA023	C 360OHM ,J, 1/16W	
	R8304	D1BA6201A023	C 6.2KOHM ,J, 1/16W	
	R8305	D1BA6201A023	C 6.2KOHM ,J, 1/16W	
	R8306	D0GA243JA023	C 24KOHM ,J, 1/16W	
	R836	D0GD223JA052	C 22KOHM ,J, 1/16W	
	R837	D0GD472JA052	C 4.7KOHM ,J, 1/16W	
	R838	D0GD103JA052	C 10KOHM ,J, 1/16W	
	R839	D0GD103JA052	C 10KOHM ,J, 1/16W	
	R840	D1BD4701A066	C 4.7KOHM ,J, 1/16W	
	R841	D0GD223JA052	C 22KOHM ,J, 1/16W	
	R842	D0GD103JA052	C 10KOHM ,J, 1/16W	
	R843	D0GD470JA052	47OHM ,J, 1/8W	
	R8438	EXB2HV103JV	10KOHM ,J, 1/10W	
	R844	D1BD1803A066	C 180KOHM ,J, 1/8W	
	R852	D1BD1803A066	C 180KOHM ,J, 1/8W	
	R853	D1BD1203A066	C 120KOHM ,J, 1/16	
	R858	ERDS1TJ105	C 1MOHM ,J, 1/2W	
	R8592	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R8606	D0GA472JA023	C 4.7KOHM ,J, 1/16W	
	R8607	D0GA472JA023	C 4.7KOHM ,J, 1/16W	
	R8608	D0GA272JA023	C 2.7KOHM ,J, 1/16W	
	R8609	D1BA6491A023	C 6.49KOHM ,J, 1/16W	
	R8610	D0GA221JA023	C 220OHM ,J, 1/16W	
	R8615	D0GA105JA023	C 1MOHM ,J, 1/16W	
	R8616	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8617	D0GA101JA023	C 100OHM ,J, 1/16W	
	R862	D0GD301JA052	C 300OHM ,J, 1/16W	
	R8624	D0GA560JA023	C 56OHM ,J, 1/16W	
	R8625	D0GA560JA023	C 56OHM ,J, 1/16W	
	R8626	D0GA560JA023	C 56OHM ,J, 1/16W	
	R8627	D0GA560JA023	C 56OHM ,J, 1/16W	
	R8628	D0GA560JA023	C 56OHM ,J, 1/16W	
	R8629	D0GA560JA023	C 56OHM ,J, 1/16W	
	R863	D0GD113JA052	C 11KOHM ,J, 1/16W	
	R8630	D1HG1038A002	F 10KOHM , 1/16W	
	R8632	EXB28V560JX	C 56OHM ,J, 1/16W	
	R8634	EXB28V560JX	C 56OHM ,J, 1/16W	
	R8636	D0GA220JA023	C 22OHM ,J, 1/16W	
	R8639	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R864	D0GD100JA052	C 10OHM ,J, 1/16W	
	R8640	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R8641	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R8642	D0GBR00J0004	C 0OHM ,J, 1/16W	
	R865	D0GD301JA052	C 300OHM ,J, 1/16W	
	R866	D0GD104JA052	C 100KOHM ,J, 1/8W	
	R8660	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8661	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8662	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8663	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8664	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8665	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8666	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8667	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R8668	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8669	D0GA101JA023	C 100OHM ,J, 1/16W	
	R867	ERG1SJ222P	C 2.2KOHM ,J, 1W	
	R8670	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8671	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8672	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8673	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8674	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8675	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8676	D0GA101JA023	C 100OHM ,J, 1/16W	
	R868	D0GD104JA052	C 100KOHM ,J, 1/16W	
	R869	ERX1SJ1R0P	C 1OHM ,J, 1W	
	R870	D0GD105JA052	C 1MOHM ,J, 1/16W	
	R8700	D1BB2402A055	C 24KOHM ,J, 1/16W	
	R8701	D1BB6041A055	C 6.04KOHM , 1/16W	
	R8702	D0GA390JA023	C 390OHM ,J, 1/16W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R8703	D1BB4301A055	C 4.3KOHM , 1/16W	
	R8704	D1BB2002A055	C 20KOHM , 1/16W	
	R8705	D1BB3001A055	C 3KOHM , 1/16W	
	R8706	D0GA390JA023	C 390HM ,J, 1/16W	
	R8707	D1BB5601A055	C 5.6KOHM ,J, 1/16W	
	R8709	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R871	D0GD821JA052	C 820OHM ,J, 1/10W	
	R8710	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R8711	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R872	D0GD103JA052	C 10KOHM ,J, 1/16W	
	R873	D0GD103JA052	C 10KOHM ,J, 1/16W	
	R874	D0GD152JA052	C 1.5KOHM ,J, 1/16W	
	R875	D0GD223JA052	C 22KOHM ,J, 1/16W	
	R8755	D0GA104JA023	C 100KOHM ,J, 1/16W	
	R8756	D0GA101JA023	C 100OHM ,J, 1/16W	
	R876	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R8767	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R8769	D1BB4642A055	C 46.4KOHM , 1/16W	
	R8770	D1BB3301A055	C 3.3KOHM , 1/8W	
	R8771	D0GA390JA023	C 390HM ,J, 1/16W	
	R8772	D1BB2201A055	C 2.2KOHM ,J, 1/16W	
	R8773	D0GA2R2JA023	2.20HM ,J, 1/16W	
	R879	ERX1SJR22P	M 0.220HM ,J, 1W	
	R880	ERX1SJR22P	M 0.220HM ,J, 1W	
	R885	D0GD152JA052	C 1.5KOHM ,J, 1/16W	
	R8858	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R8859	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R886	D0GD162JA052	C 1.6KOHM ,J, 1/16W	
	R8860	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R8861	D0GA102JA023	C 1KOHM ,J, 1/16W	
	R8863	D0GA102JA023	C 1KOHM ,J, 1/16W	
	R8866	D0GA473JA023	C 47KOHM ,J, 1/16W	
	R887	D0GD162JA052	C 1.6KOHM ,J, 1/16W	
	R8871	D0GA102JA023	C 1KOHM ,J, 1/16W	
	R8872	D0GA102JA023	C 1KOHM ,J, 1/16W	
	R8909	D0GA222JA023	C 2.2KOHM ,J, 1/16W	
	R8910	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R8914	D0GA472JA023	C 4.7KOHM ,J, 1/16W	
	R8915	EXB2HV680JV	68OHM ,J, 1/16W	
	R8916	EXB2HV680JV	68OHM ,J, 1/16W	
	R8917	EXB2HV680JV	68OHM ,J, 1/16W	
	R8918	D0GA680JA023	C 68OHM ,J, 1/16W	
	R8919	D0GA680JA023	C 68OHM ,J, 1/16W	
	R8920	EXB28V680JX	68OHM ,J, 1/10W	
	R8921	EXB28V680JX	68OHM ,J, 1/10W	
	R8922	D0GA680JA023	C 68OHM ,J, 1/16W	
	R8923	D0GA680JA023	C 68OHM ,J, 1/16W	
	R8924	EXB28V680JX	68OHM ,J, 1/10W	
	R8925	EXB28V680JX	68OHM ,J, 1/10W	
	R895	D0GD102JA052	C 1KOHM ,J, 1/16W	
	R896	D0GD472JA052	C 4.7KOHM ,J, 1/8W	
	R8965	EXB28V103JX	10KOHM ,J, 1/10W	
	R897	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R898	D0GD222JA052	C 2.2KOHM ,J, 1/16W	
	R899	D1BD2701A066	C 2.7KOHM ,J, 1/16W	
	R900	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R901	D1BD3012A066	C 30.1KOHM , 1/10W	
	R902	D0GD363JA052	C 36KOHM ,J, 1/16W	
	R903	D0GD153JA052	15KOHM ,J, 1/8W	
	R904	D0GD683JA052	C 68KOHM ,J, 1/16W	
	R905	D0GD303JA052	C 30KOHM ,J, 1/16W	
	R906	D1BD4702A066	C 47KOHM , 1/10W	
	R907	D0GD473JA052	C 47KOHM ,J, 1/8W	
	R908	D0GD105JA052	C 1MOHM ,J, 1/16W	
	R910	D1BD7872A066	78.7KOHM , 1/16W	
	R911	D1BD2212A066	C 22.1KOHM , 1/16W	
	R912	D0GD473JA052	C 47KOHM ,J, 1/8W	
	R913	D0GD683JA052	C 68KOHM ,J, 1/16W	
	R914	ERJ12YJ472U	M 4.7KOHM ,J, 1/2W	
	R915	ERJ12YJ472U	M 4.7KOHM ,J, 1/2W	
	R921	D0AF220JA112	22OHM ,J, 1/2W	
	R923	D0GD473JA052	C 47KOHM ,J, 1/8W	
	R924	D0GD101JA052	C 100OHM ,J, 1/16W	

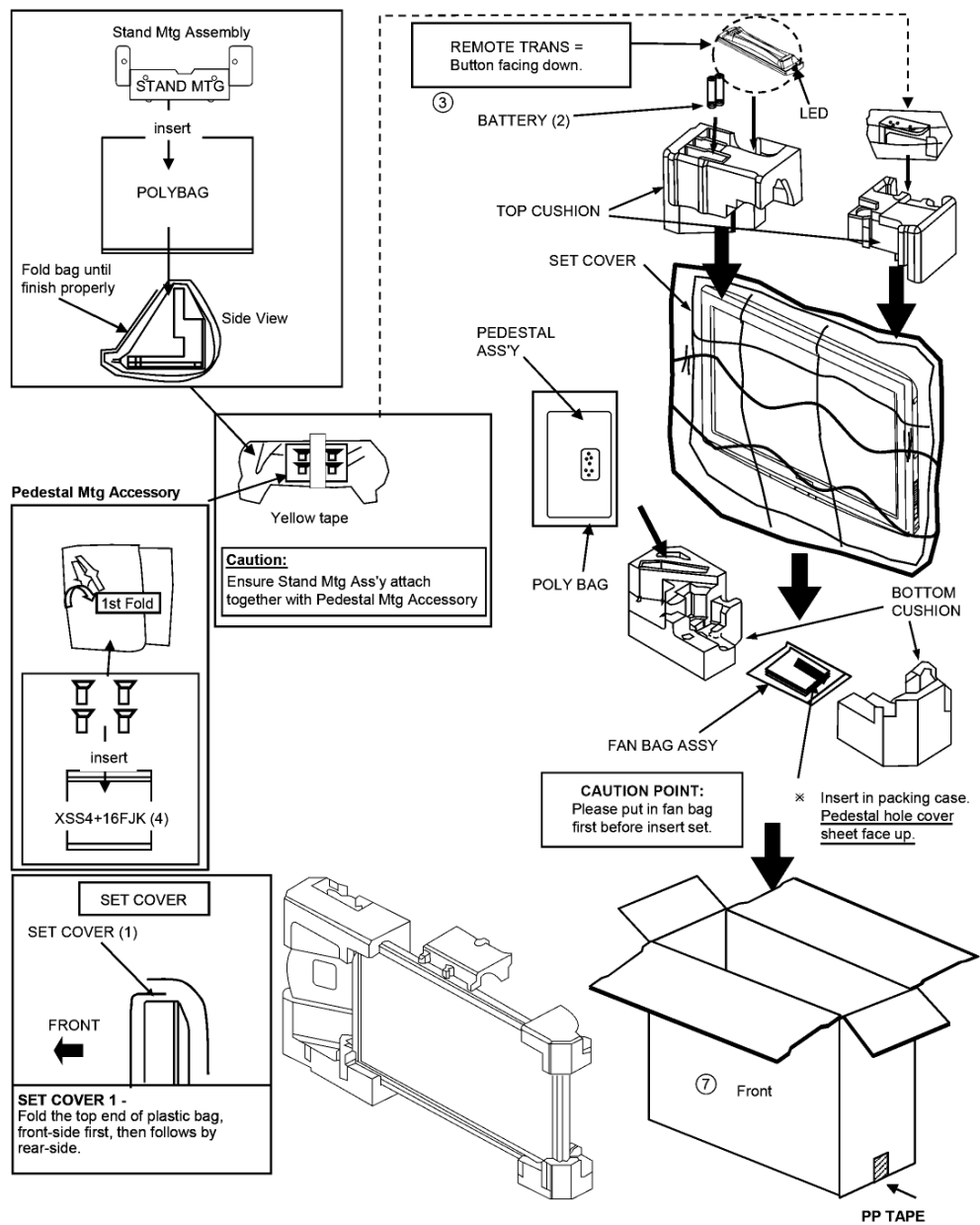
Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R925	ERJ8ENF2204	C 2.2MOHM ,J, 1/16W	
	R926	ERJ8ENF2204	C 2.2MOHM , 1/16W	
	R927	D0GD101JA052	C 100OHM , 1/16W	
	R928	ERX2SJR22P	M 0.220HM ,J, 2W	
	R929	D0GD473JA052	C 47KOHM ,J, 1/8W	
		TRANSFORMERS		
⚠	T800	ETS40LZ116AH	TRANSFORMER	
⚠	T801	ETS32CZ159AD	TRANSFORMER	
		OTHERS		
	A02	K1KY04AA0719	CONNECTOR	
	A09	K1KY15BA0324	CONNECTOR	
	A10	K1KY07AA0719	CONNECTOR	
	A12	K1KA04AA0190	CONNECTOR	
	A15	K1KB51B00003	CONNECTOR	
	CF800	D4CAY8R0A010	COIL	
	CF801	D4CAY8R0A010	COIL	
	CN0100	K1KA14A00248	CONNECTOR	
⚠	F800	K5D502BNA005	FUSE	
	F800-1	K3GE1ZZ00001	FUSE HOLDER	
	F800-2	K3GE1ZZ00001	FUSE HOLDER	
	FL4000	EXC28CE201U	CHOKE COIL	
	FL4001	EXC28CE201U	CHOKE COIL	
	FL4002	EXC28CE201U	CHOKE COIL	
	FL4003	EXC28CE201U	CHOKE COIL	
	FL4004	EXC28CE201U	CHOKE COIL	
	FL4005	EXC28CE201U	CHOKE COIL	
	FL4006	EXC28CE201U	CHOKE COIL	
	FL4007	EXC28CE201U	CHOKE COIL	
	GK01	K1KA04BA0047	CONNECTOR	
	JK1000A	K1FY119D0016	HDMI CONNECTOR	
	JK1001A	K1FY119D0016	HDMI CONNECTOR	
	JK1002	K1FY119E0026	CONNECTOR	
	JK1030	K1FY104E0009	USB CONNECTOR	
	JK1031	K1FY104A0020	TERMINAL	
	JK1040	K2LC1YYA0016	TERMINAL	
	JK3000	K1U916A00003	TERMINAL	
	JK3300	K1U410B00001	TERMINAL	
	JK3703	K1FY315A0010	CONNECTOR	
	JK8850	K1NA12E00016	CONNECTOR	
	JS0021	D0GAR00J0005	CHIP RESISTOR	
	JS0027	D0GAR00J0005	CHIP RESISTOR	
	KA10	K1KA07B00135	CONNECTOR	
⚠	LF800	G0B802H00009	LINE FILTER	
⚠	LF801	G0B802H00009	LINE FILTER	
⚠	LF802	G0B802H00009	LINE FILTER	
	P1	K1KY02A00001	CONNECTOR	
	P2	K1KY16AA0806	CONNECTOR	
	P3	K1KA14AA0082	CONNECTOR	
	P4	K1KA12BA0062	CONNECTOR	
⚠	PA850	K5H502YA0063	FUSE	
⚠	PA852	K5H502YA0063	FUSE	
	PC800	B3PAA0000363	PHOTO COUPLER	
	PC801	B3PAA0000363	PHOTO COUPLER	
	PC802	B3PAA0000363	PHOTO COUPLER	
	RM2800A	B3RAD0000168	PHOTO DETECTOR	
	SN2800	B3JB00000078	PHOTO DETECTOR	
⚠	SW2600	ESB33535XFD	POWER SWITCH	
	SW2601	K0H1BA000445	SWITCH	
	SW2602	K0H1BA000445	SWITCH	
	SW2603	K0H1BA000445	SWITCH	
	SW2604	K0H1BA000445	SWITCH	
	SW2605	K0H1BA000445	SWITCH	
⚠	TU4800A	ENG57302D5F	TUNER	
	X8300	H0J245500113	CRYSTAL OSCILLATOR	
	X8600	H0J250500109	CRYSTAL RESONATOR	
	ZA0050	K4ZZ01000267	SHIELD CHIP	
	ZA0051	K4ZZ01000267	SHIELD CHIP	
	ZA0052	K4ZZ01000267	SHIELD CHIP	
	ZA0053	K4ZZ01000267	SHIELD CHIP	
	ZA0055	K4ZZ01000267	SHIELD CHIP	
	ZA0056	K4ZZ01000267	SHIELD CHIP	
	ZA0057	K4ZZ01000267	SHIELD CHIP	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	ZA058	K4ZZ01000267	SHIELD CHIP	
	ZA059	K4ZZ01000267	SHIELD CHIP	
	ZA060	K4ZZ01000267	SHIELD CHIP	
	ZA065	K4ZZ01000267	SHIELD CHIP	
	ZA066	K4ZZ01000267	SHIELD CHIP	
	ZA067	K4ZZ01000267	SHIELD CHIP	
	ZA068	K4ZZ01000267	SHIELD CHIP	
	ZA069	K4ZZ01000267	SHIELD CHIP	
	ZA801	K9ZZ00002040	RUG TERMINAL	
	ZA802	K9ZZ00002040	RUG TERMINAL	
	ZA803	K9ZZ00002040	RUG TERMINAL	
	ZA804	K9ZZ00002040	RUG TERMINAL	
	ZA8800	K4AD01D00008	TERMINAL	
	ZA8801	K4AD01D00008	TERMINAL	
	ZA8802	K4AD01D00008	TERMINAL	
	ZA8803	K4AD01D00008	TERMINAL	

Model No. : TH-L42U30R Parts Location



Model No. : TH-L42U30R Packing Exploded View



Model No. : TH-L42U30R Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		K1PY51Y00048	LVDS CABLE		
		K2CQ2YY00062	AC CORD		
	1	L0AA14B00008	SPEAKER		
	2	L5EDDAT00008	LCD PANEL		
	3	N2QAYB000604	REMOTE TRANSMITTER		
	4	TBL5ZX0113	PEDESTAL ASSY		
		TBL5ZX0115	STAND MOUNTING		
		TBM4GC691	MODEL NAME PLATE		
		TBX4GA01101A	CONTROL BUTTON		
		TBX4GA01201C	POWER BUTTON		
		THE4GJ001J	SCREW		
		TKK4GC5029	LED PANEL		
		TKP4GA02601A	CONTROL PANEL BRACKET		
		TKP4GA05603A	SIDE AV BRACKET		
		TKX4GA05801	SPEAKER BRACKET		
		TMX4GX008	AC CODE BRACKET		
		TPD4GA0196	BOTTOM CUSHION		
		TPD4GA0197	TOP CUSHION		
		TPD4GA0199	TOP CENTER CUSHION		
		TPE4GH033	SET COVER		
		TQZ4GB464	FAN BAG ASSY		
	5	TTU4GA0602	BACK COVER ASSY		
	6	TTY4GA0219	CABINET ASSY		
	7	TXFPC01MJUR	PACKING CASE ASSY		
		XSS4+16FJK	SCREW		
		XTB4+15JFJ	SCREW		
		XTB4+18JFJK	SCREW		
		XTB4+25JFJ	SCREW		
		XTS4+10GFJ	SCREW		
		XTV3+10GFJK	SCREW		
		XTW3+12TFJ	SCREW		
		XTW3+8SFJ	SCREW		
		XTW3+8TFJ	SCREW		
		XYC3+FJ8FJ	SCREW		
		XYN3+C8FJ	SCREW		
		XYN3+J8FJ	SCREW		
		XYN4+C8FJ	SCREW (PEDE)		
		XYN4+F12FJK	SCREW		
Electrical Replacement Part List					
	RTL	TNP4G498AA	P BOARD		
	RTL	TNP4G502AAA	GK BOARD		
	RTL	TNPA5378BH	KA BOARD		
	RTL	TZT/A1MJUR	A PRINT ASSY		