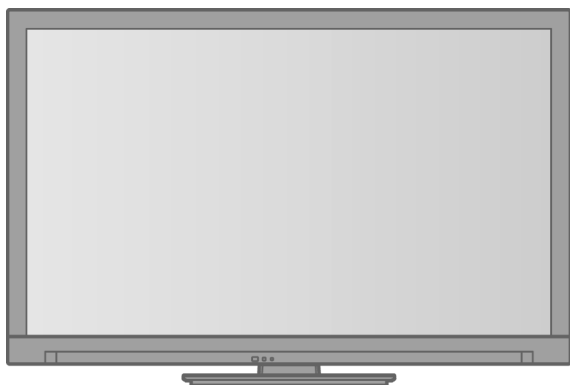


Service Manual

LCD TV



Model No. TH-L42E3R

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.

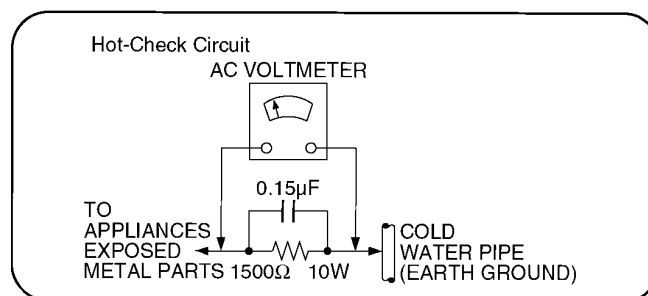


Figure 1

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).

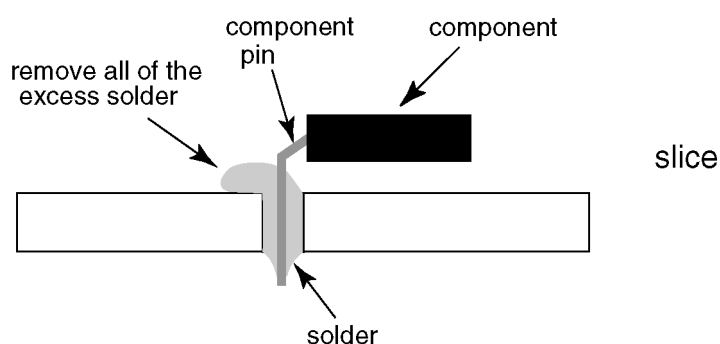
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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.

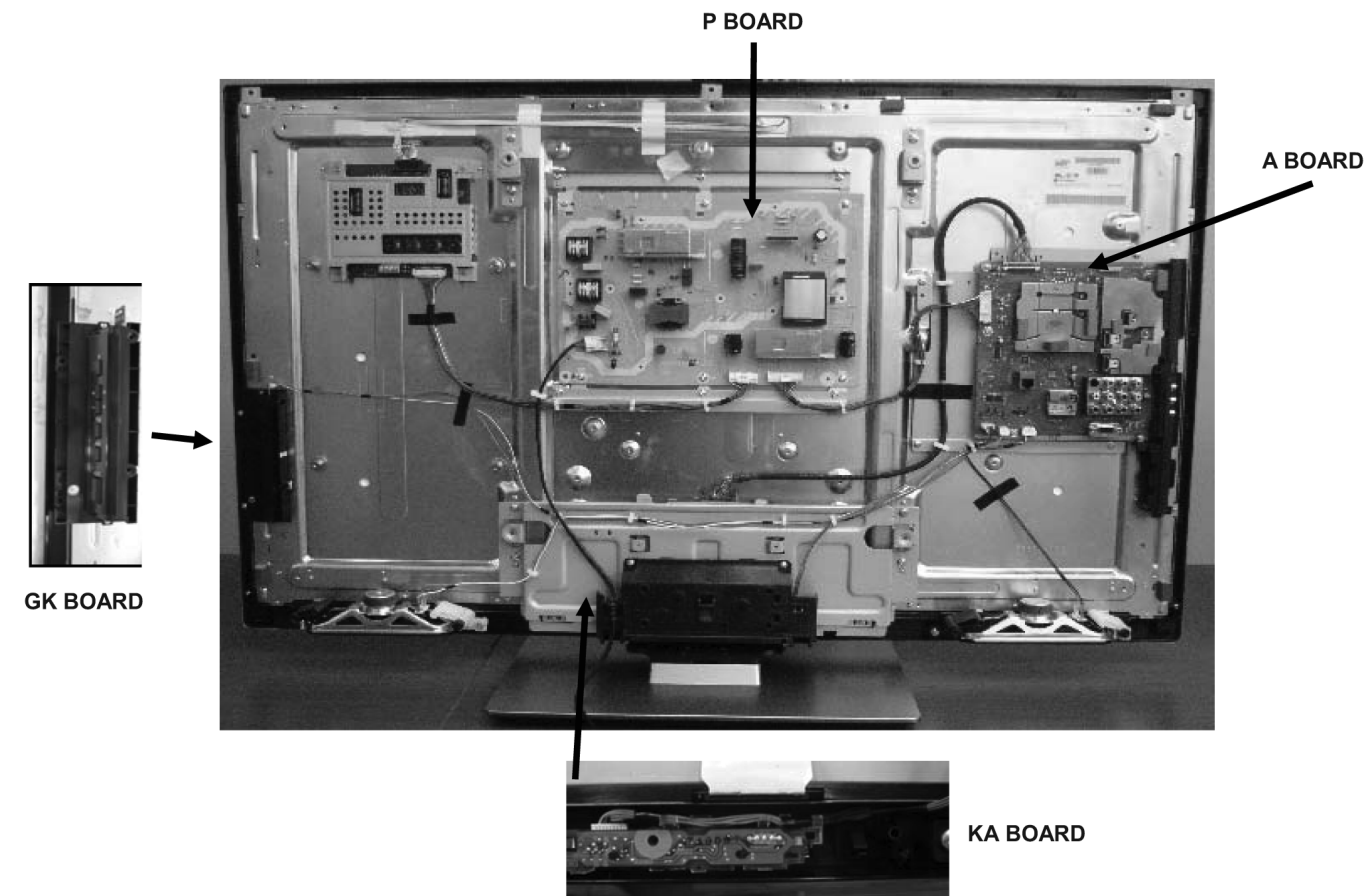
Caution

- 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	Board Name
A BOARD	AVSW, TUN, OFDM, P-SLD2, EEP	Repairable
P BOARD	Power Supply	Repairable
KA BOARD	Remote, LED, Luminunce Sensor	Repairable
TC BOARD	FHD LVDS signal board	Repairable
GK BOARD	Power Switch, Keyscan	Repairable

4 Specifications

Power Source	AC 220 - 240 V, 50 / 60 Hz
Power Consumption	
Power Rating	122 W
Standby Condition	0.2 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, 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)		1,002 mm × 646 mm × 288 mm (With Pedestal)	
		1,002 mm × 611 mm × 75 mm (TV only)	
Mass		17.0 kg Net (With Pedestal)	
		15.0 kg Net (TV only)	

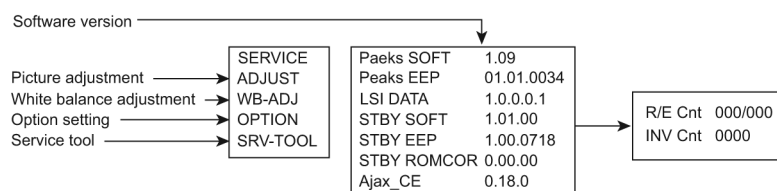
Note

- 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.

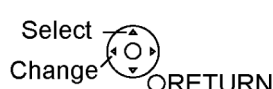
5.2.7. Hotel Mode

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:

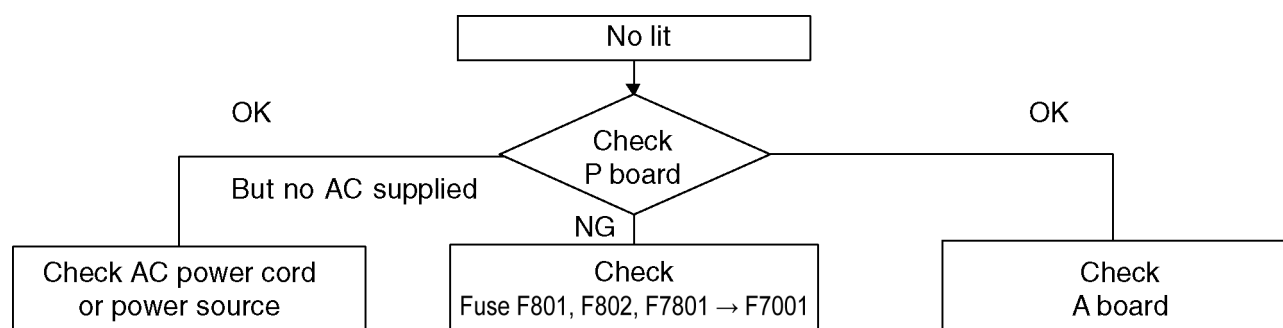
LCD		Remark	EEPROM ADR address	PCB NAME
Times	SOS			
1	BackLight_SOS		0 × 0461	A-Board P-Board LCD Panel
3	SOS(Tuner_SOS)	SUB3.3V/panel_15V	0 × 045B	A-Board
4	SUB12V_SENSE_SOS		0 × 045A	A-Board
7	SUB3.3V_SENSE_SOS		0 × 0459	A-Board
9	SOUND_SOS		0 × 045D	A-Board P-Board
10	ZWEI2_SOS	detect of IIC	0 × 0462	A-Board LCD Panel
12	BackEnd(sLD)_SOS		0 × 0466	A-Board
13	EMERGENCY_SOS	communication error		A-Board
14	IROM_SOS	Error of STM micon		A-Board

6.3. No Power

First check point

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

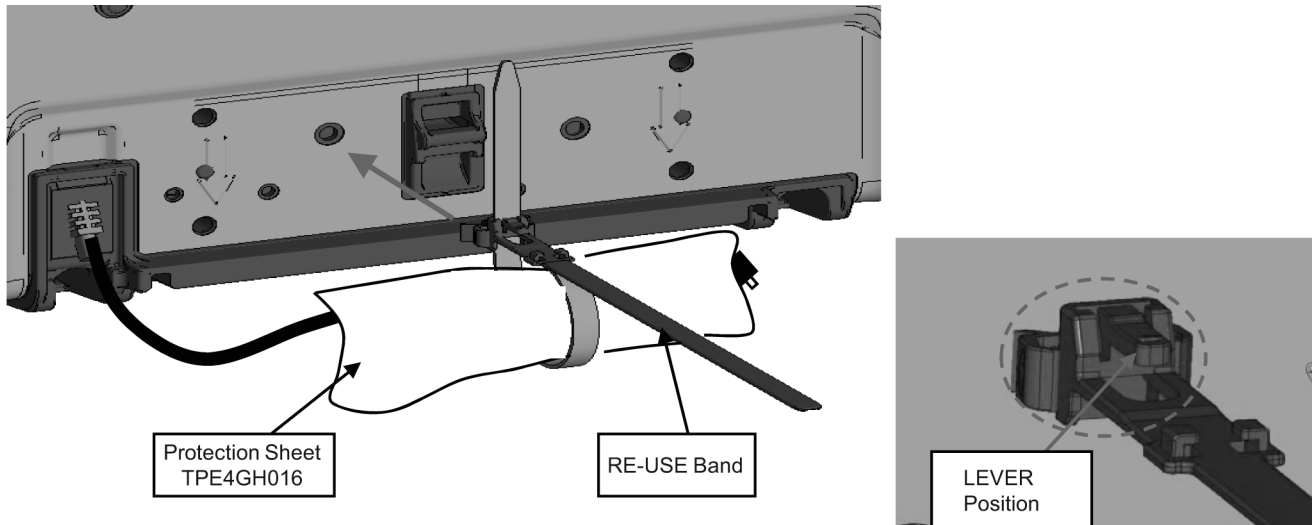
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 6.2.)



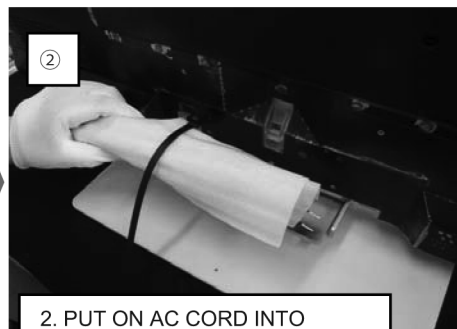
7 Disassembly and Assembly Instructions

7.1. AC Cord Dressing

1. AC cord is wrapped in the Protection Sheet.
2. It fixes to the Back cover in the re-use band.



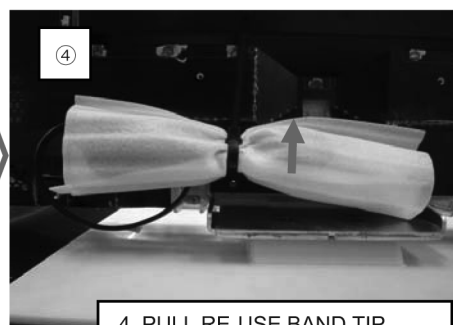
1. PACK AC CORD INTO PROTECTION SHEET AND WRAP IT.



2. PUT ON AC CORD INTO RE-USE BAND



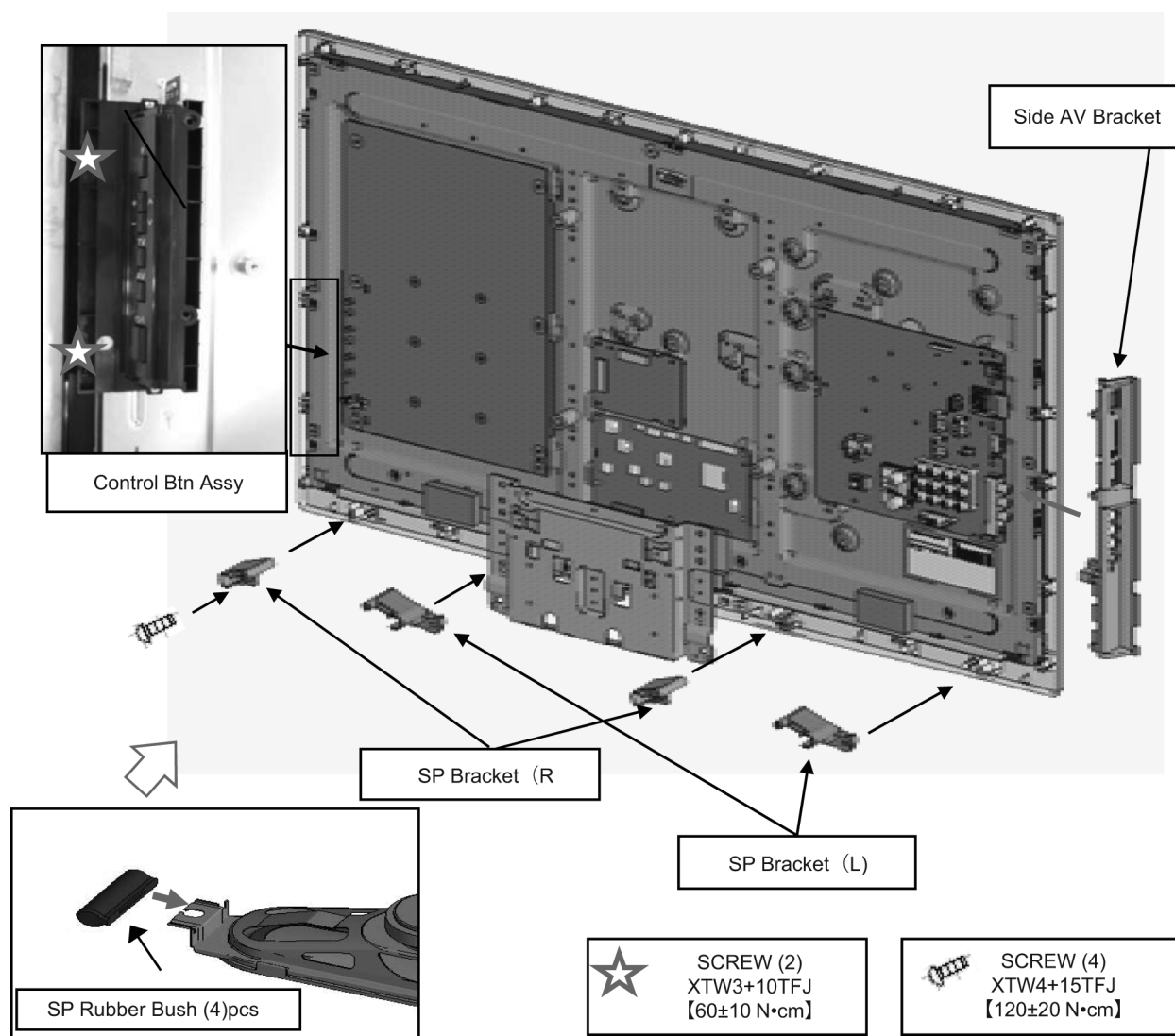
3. INSERT RE-USE BAND TIP INTO RE-USE BAND SLIT.



4. PULL RE-USE BAND TIP UPSIDE TO TIGHTING

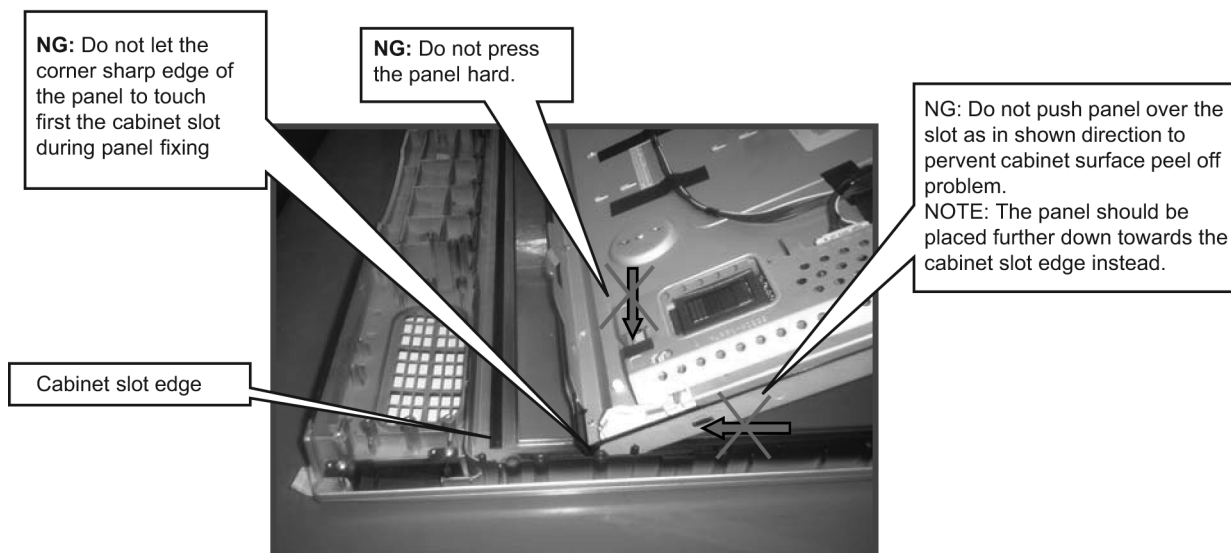
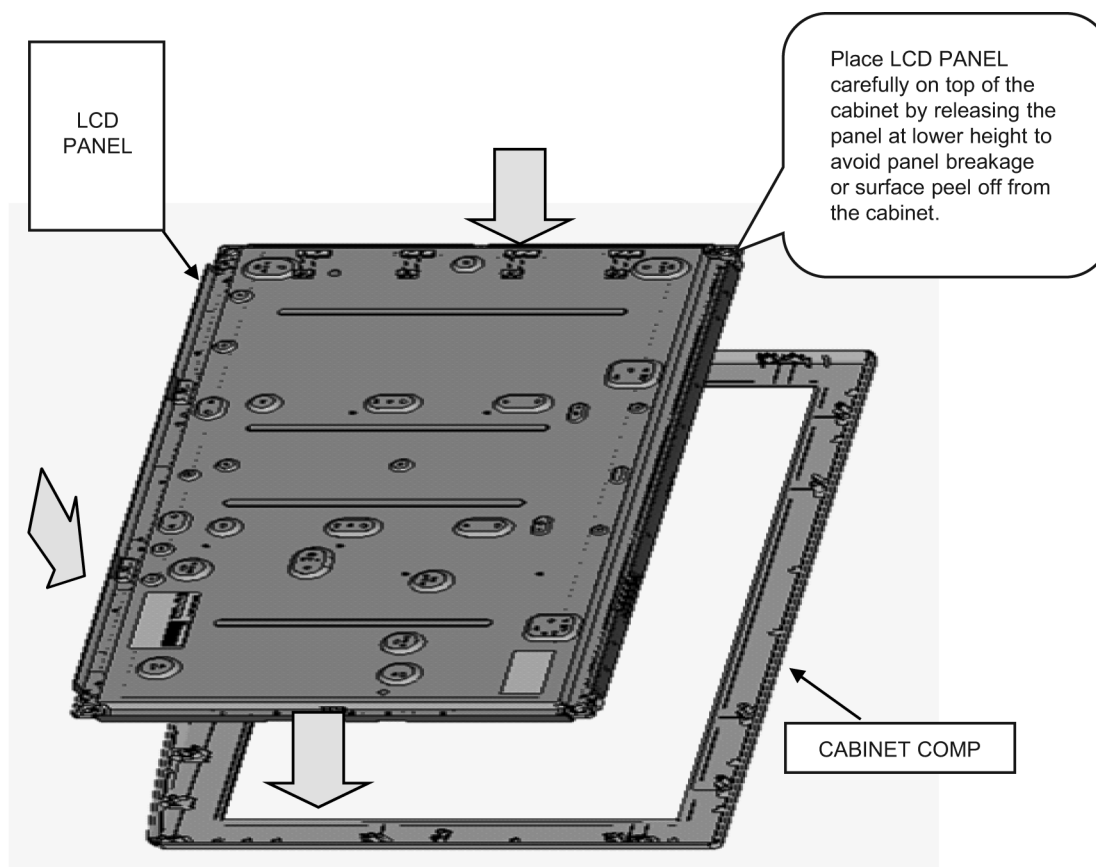
7.2. AV Bracket, Control Panel and Speaker Installation

1. Install Control Btn Assy.
2. Install side AV bracket.
3. Install Speaker Bracket (4).
4. Fix all parts with screw.



7.3. LCD Panel Fixing & Handling Method

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

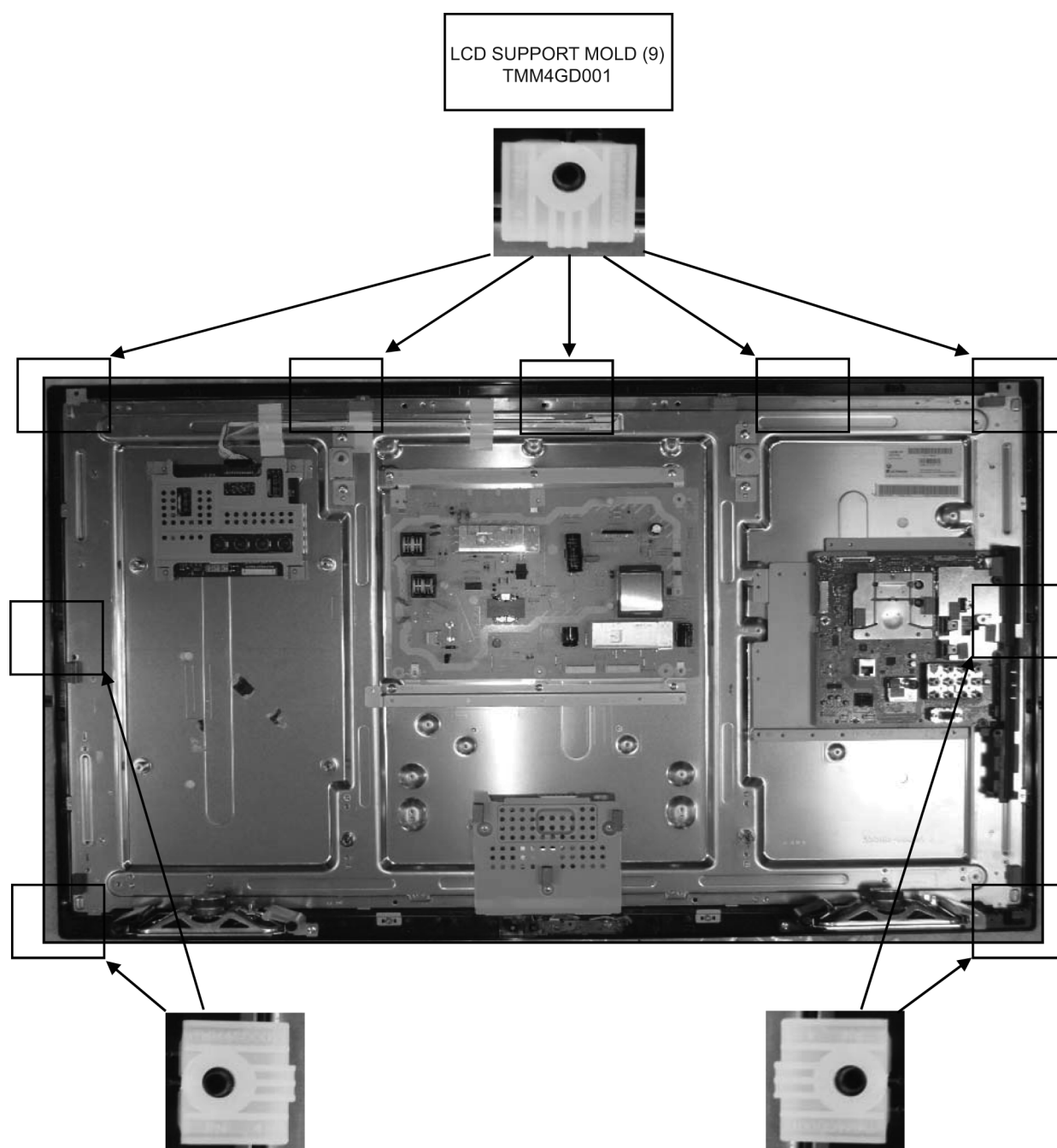


Other general precautions

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.

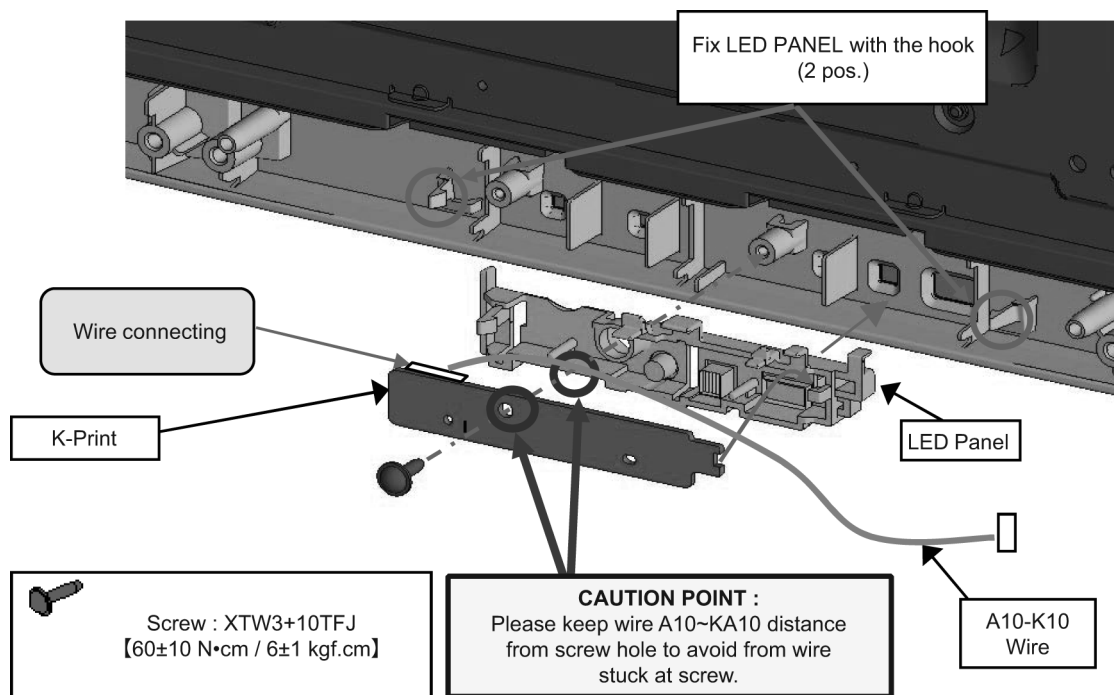
7.4. LCD Support Mold Fixing

Fix the LCD SUPPORT MOLD to Panel as follow.

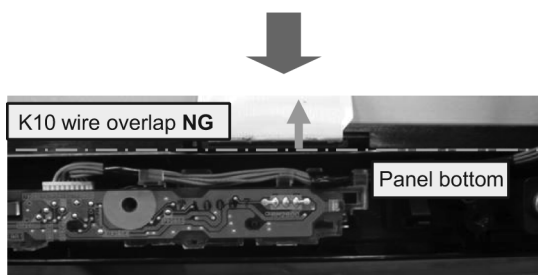
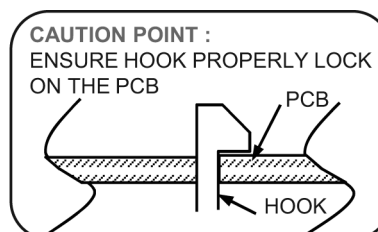
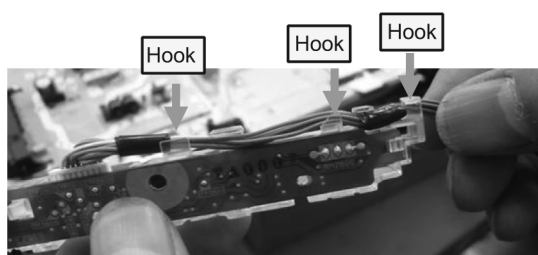


7.5. LED Panel Installation

1. Insert an A10-K10 lead connector in KA-Print
2. Put KA-Print on LED PANEL.
3. Fix LED PANEL assy with SCREW.
4. Fix LED PANEL on CABINET.

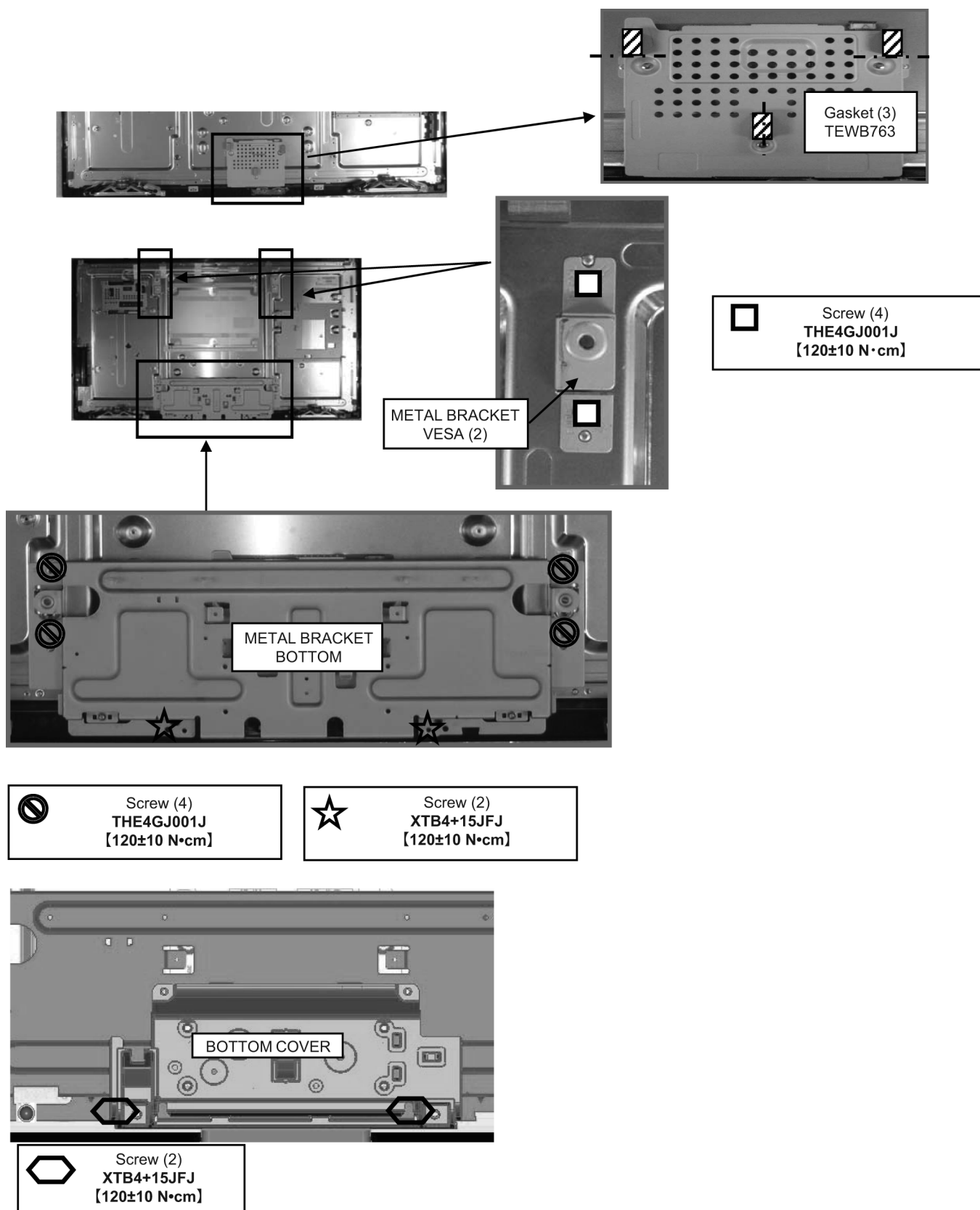


1. A10-K10 wire must allocate behind hooks.
2. A10-K10 wire cannot allocate more than LCD panel area.
3. A10-K10 wire must allocate in between bottom LCD panel and cabinet boss.



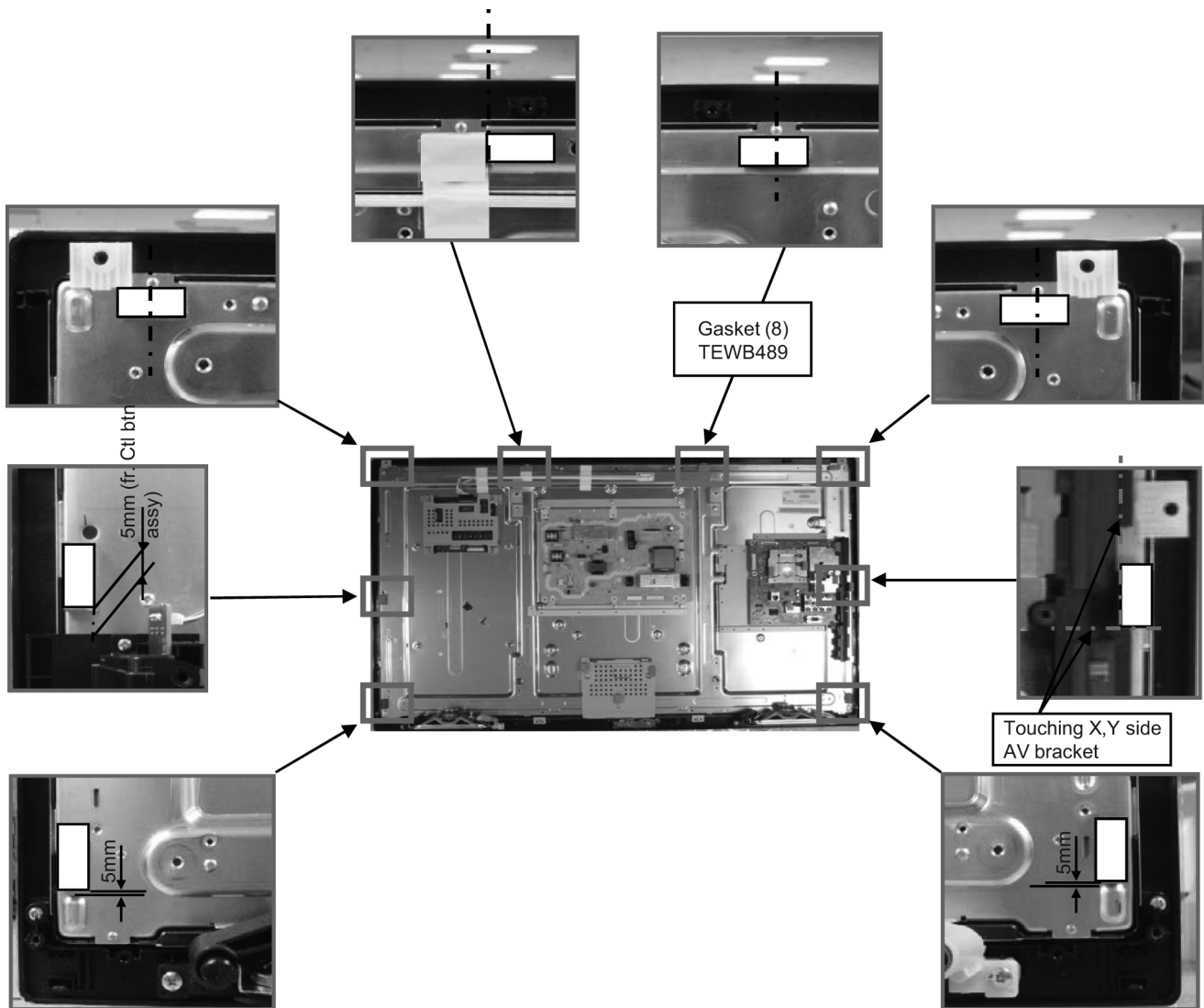
7.6. Metal Bracket & Barrier Assembly

1. Stick gasket at T-con shield case.
2. Stick felt at Bottom Cover.
3. Fix Metal Bracket Vesa, Metal Bracket Bottom with screw.
4. Fix Bottom Cover to Metal Bracket Bottom with screw.



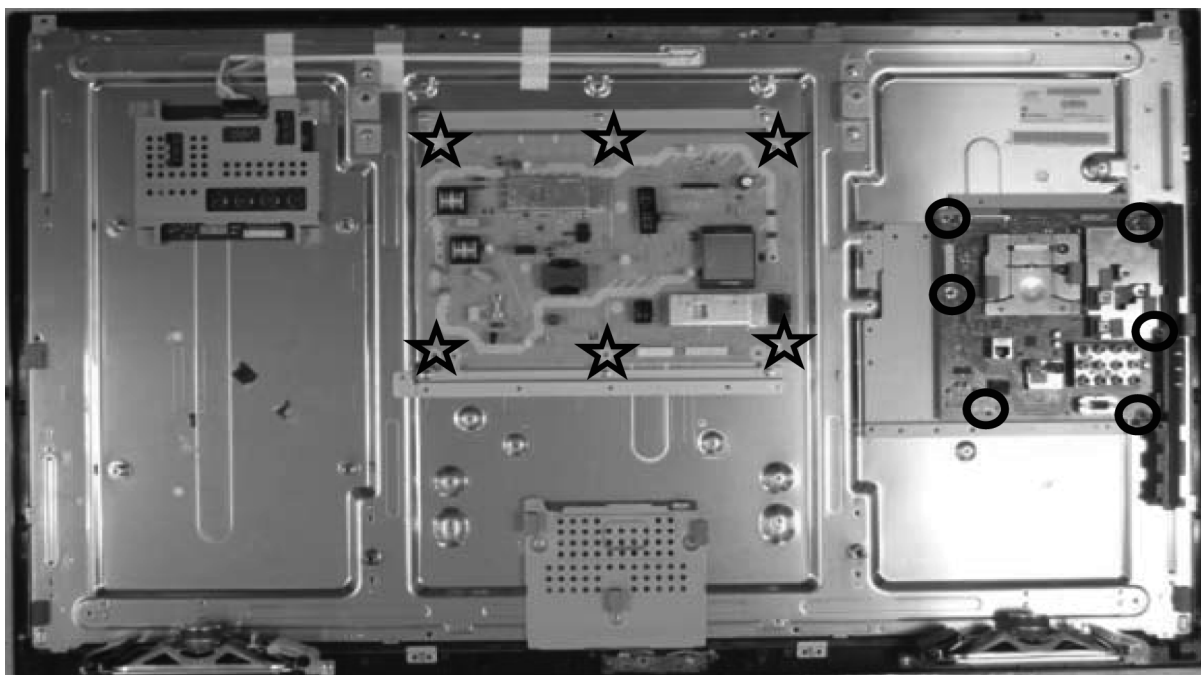
7.7. Gasket Installation

Stick the GASKET to Panel as follow



7.8. Assembly P Board and A Board Assembly

1. Put P-Board and A board to LCD PANEL.
2. Fix them with screws.



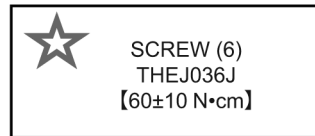
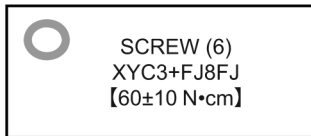
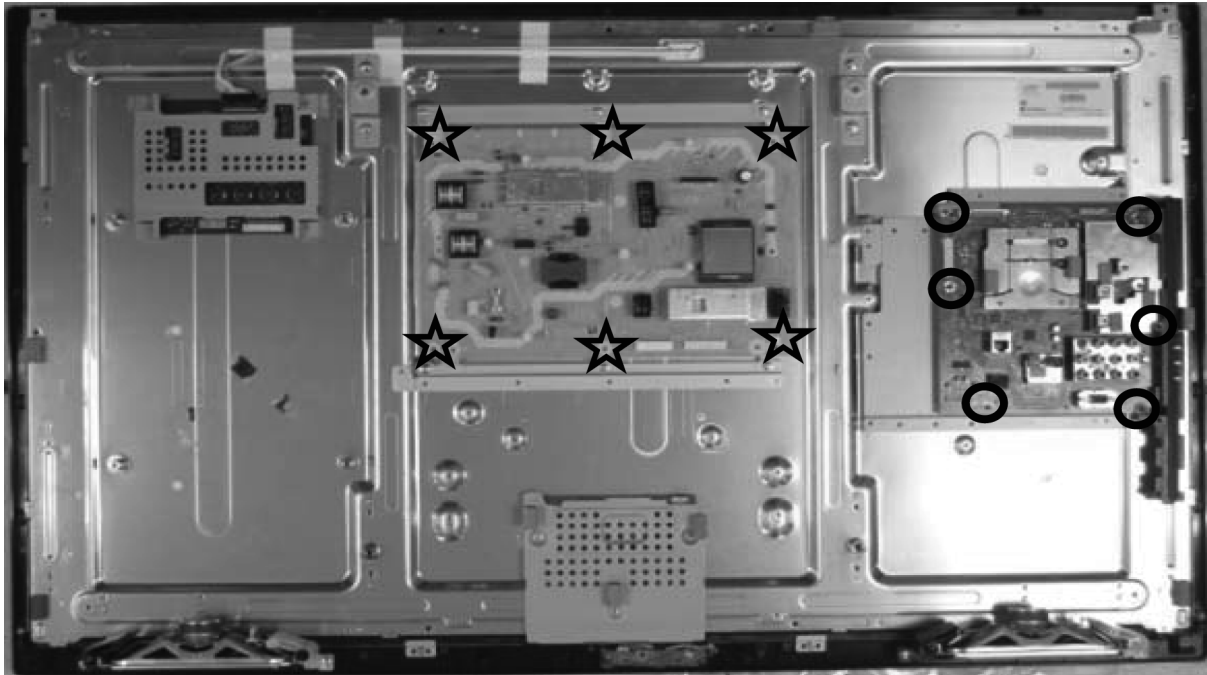
SCREW (6)
XYC3+FJ8FJ
【60±10 N•cm】



SCREW (6)
THEJ036J
【60±10 N•cm】

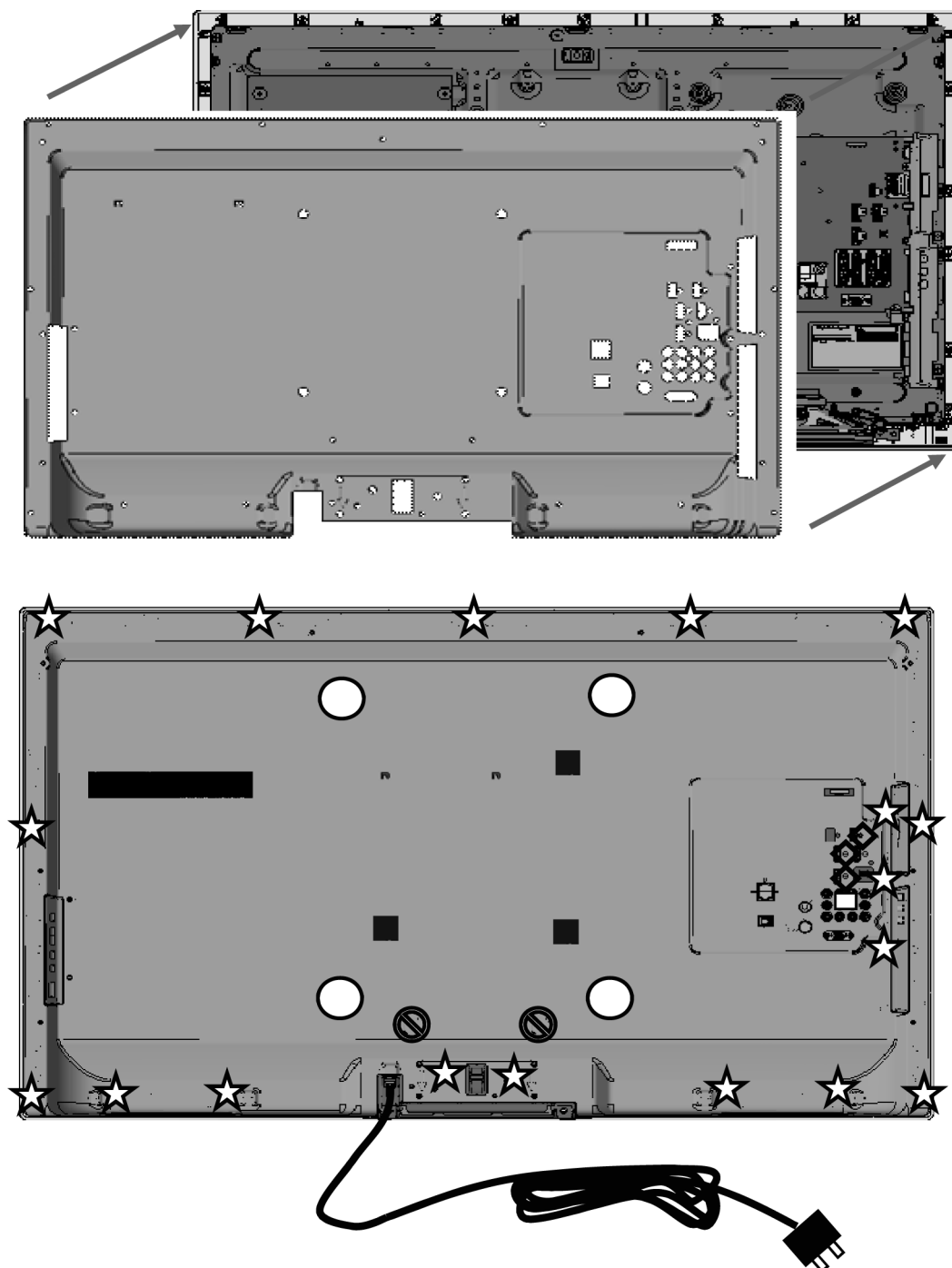
7.9. Disassembly P Board and A Board Assembly

1. Remove the screws from A-board 6pcs screws.
2. Remove the screws from P-board 6pcs screws.



7.10. Back Cover Installation

1. Install Back Cover
2. Fix Back Cover with screw.



★ Screw :
XTB4+15JFJK(22)
[120±20 N•cm]

□ Screw :
XTV3+10GFJK(1)
[60±10 N•cm]

○ M6_CAP :
TKKL5521(4)

◇ Screw :
THEJ0389 (3)
[25-30 N•cm]

⊘ Screw :
THEJ0389(2)
[55±10 N•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

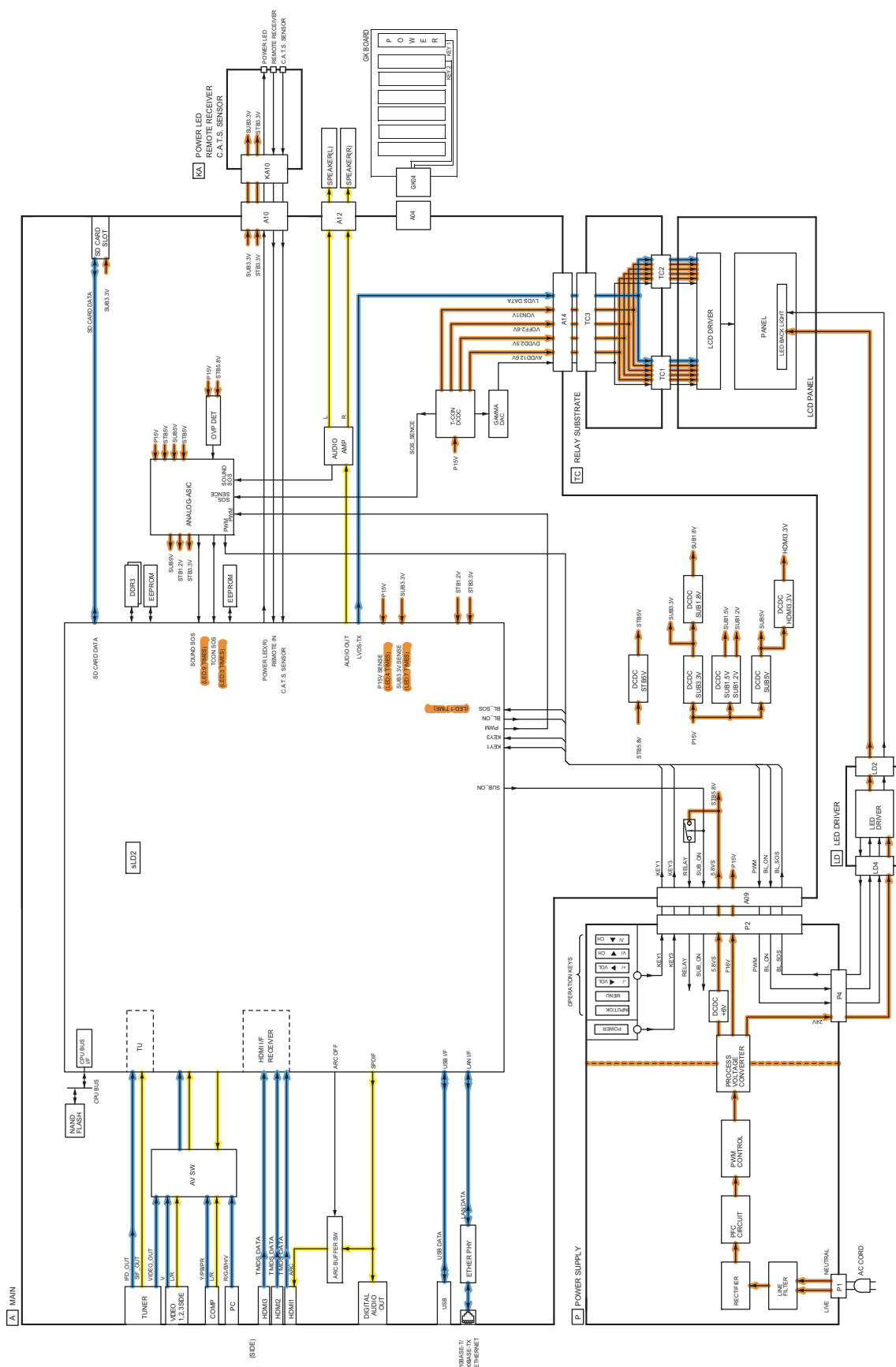
Set P-Board to a dummy set and check the satisfaction with the specified voltage as following table.

VOLTAGE	TEST POINT	SPECIFICATION	STATE
PFC390V	TP7201, 7202	390 ± 15V	Reception
LED24V	TP7514, 7515	24 ± 2V	Reception
DTV16V	TP7503, 7504	15.6 ± 1.5V	Reception
STBY6V	TP7501, 7502	5.8 ± 0.8V	Reception
		5.8 ± 0.8V	Stand by

* HOT

9 Block Diagram

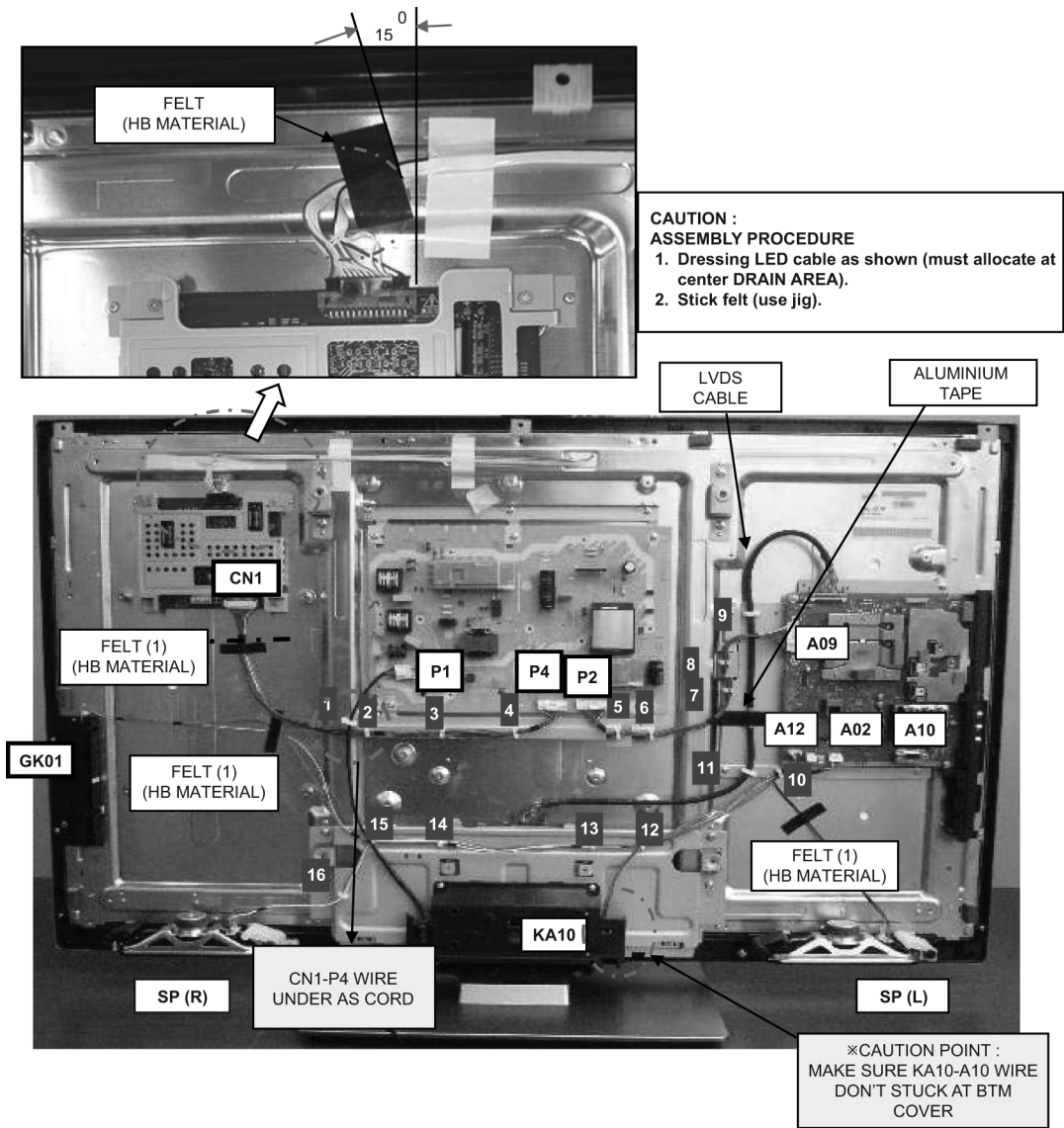
9.1. Main Block Diagram



10 Wiring Connection Diagram

10.1. Wire Dressing

- 1. Wiring No1~No16.
- 2. Dressing all wire.
- 3. Insert AC cord connector to P board.



Wire		Clamper															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
No.1	CN1-P4		●	●	●												
No.2	P2-A09					●	●	●	●								
No.3	P4-LD4																
No.4	P1 (AC CORD)	●															
No.5	A12-SP(L)										●						
No.6	A12-SP(R)										●		●	●	●	●	●
No.7	A02-GK01										●		●	●	●	●	
No.8	A10-KA10										●		●				
No.9	LVDS									●		●					

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.

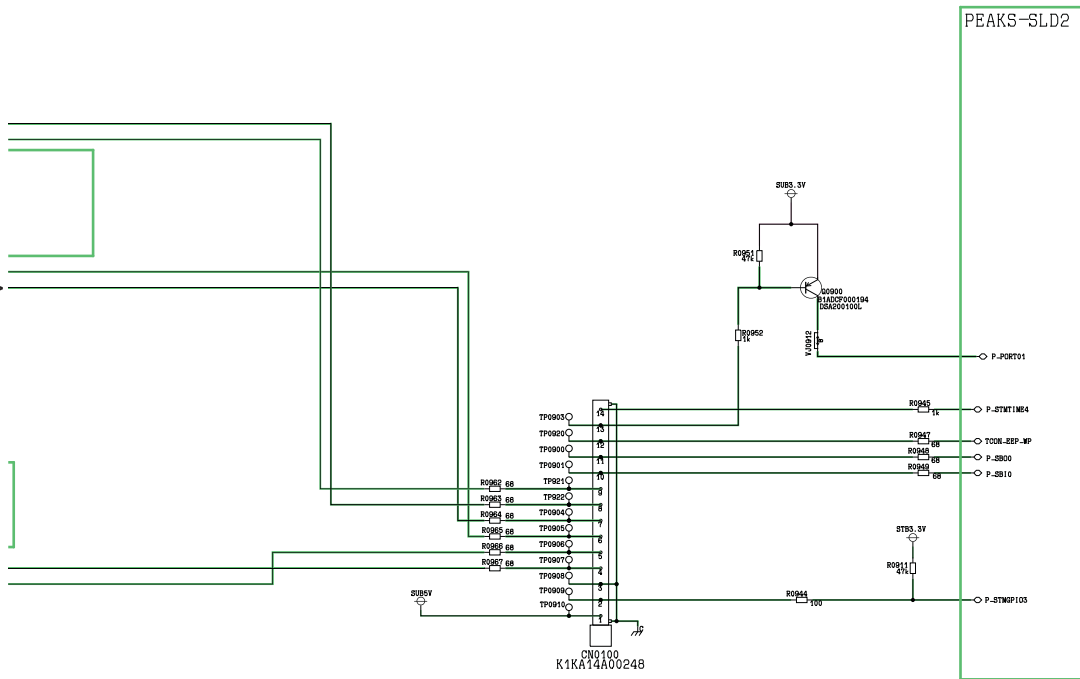
Remarks:

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.

11.2.2. A Board - Sheet : 002 (2 / 2)

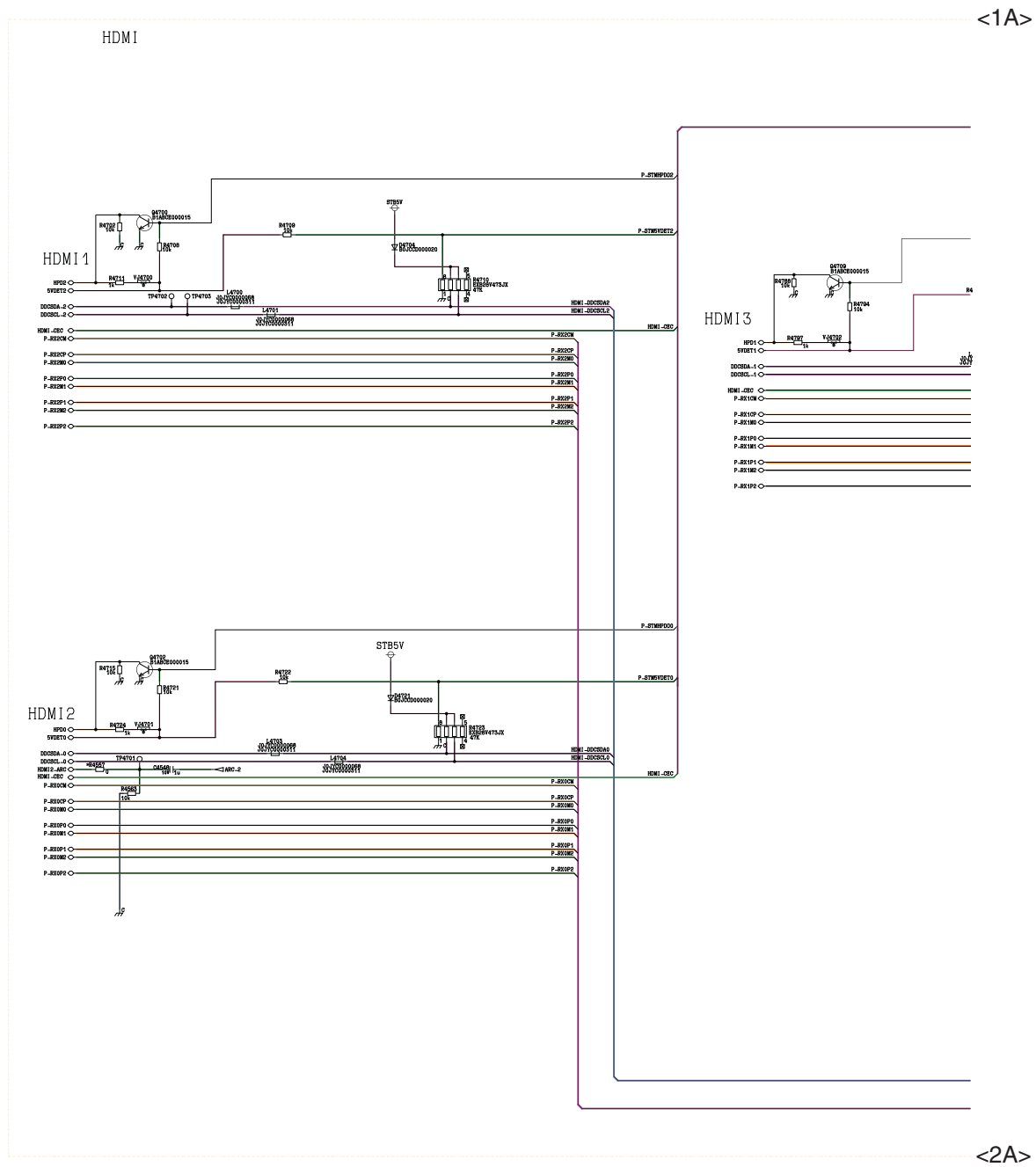
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<2A>



<3A>

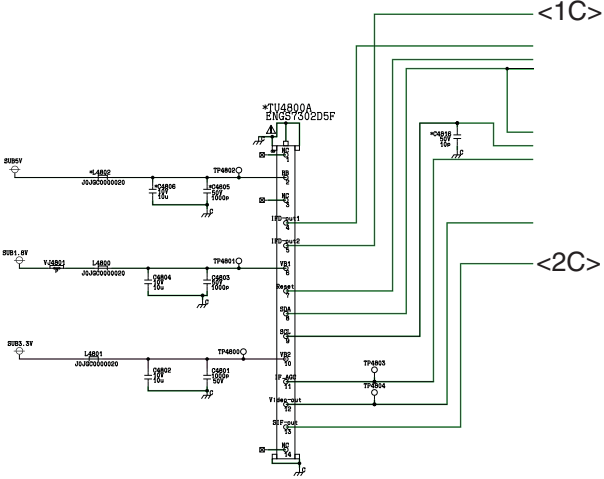
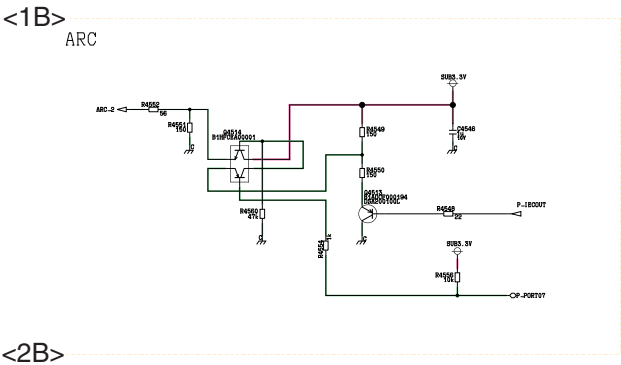
11.2.3. A Board - Sheet : 003 (1 / 6)



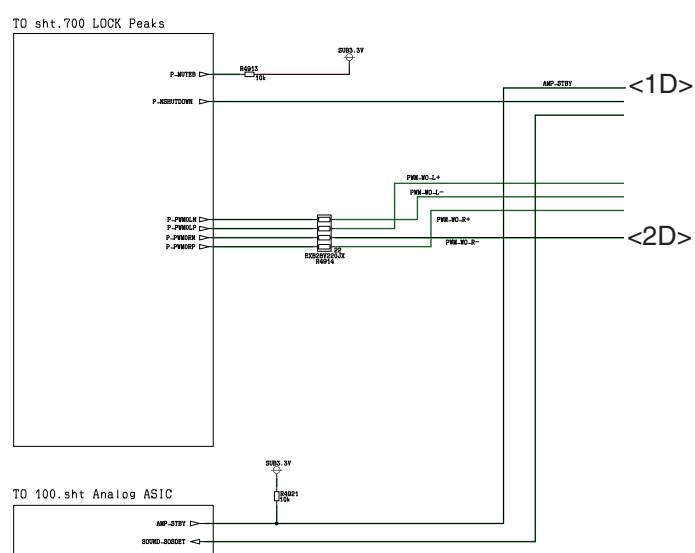
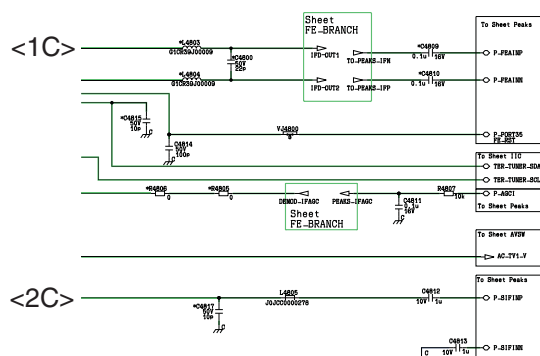
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31

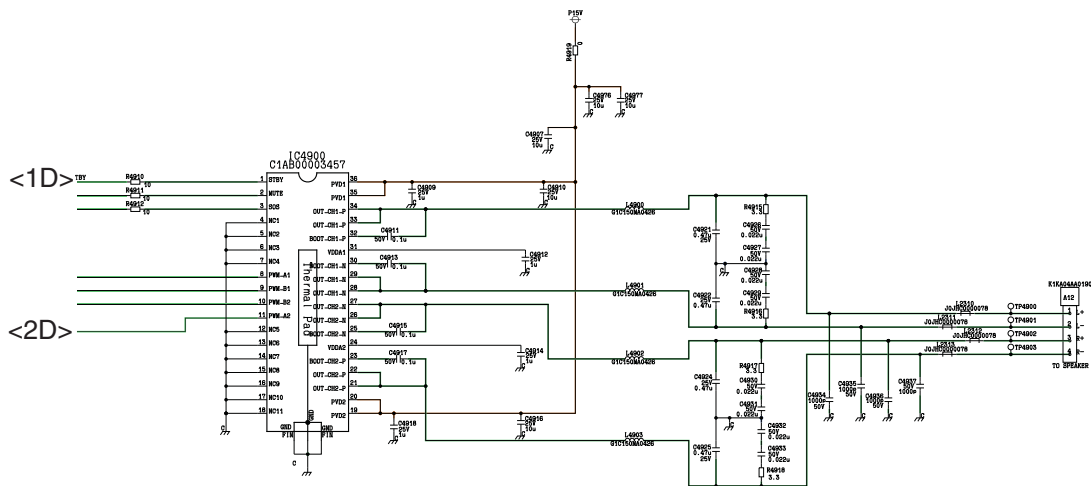
11.2.5. A Board - Sheet : 003 (3 / 6)



11.2.6. A Board - Sheet : 003 (4 / 6)



11.2.7. A Board - Sheet : 003 (5 / 6)

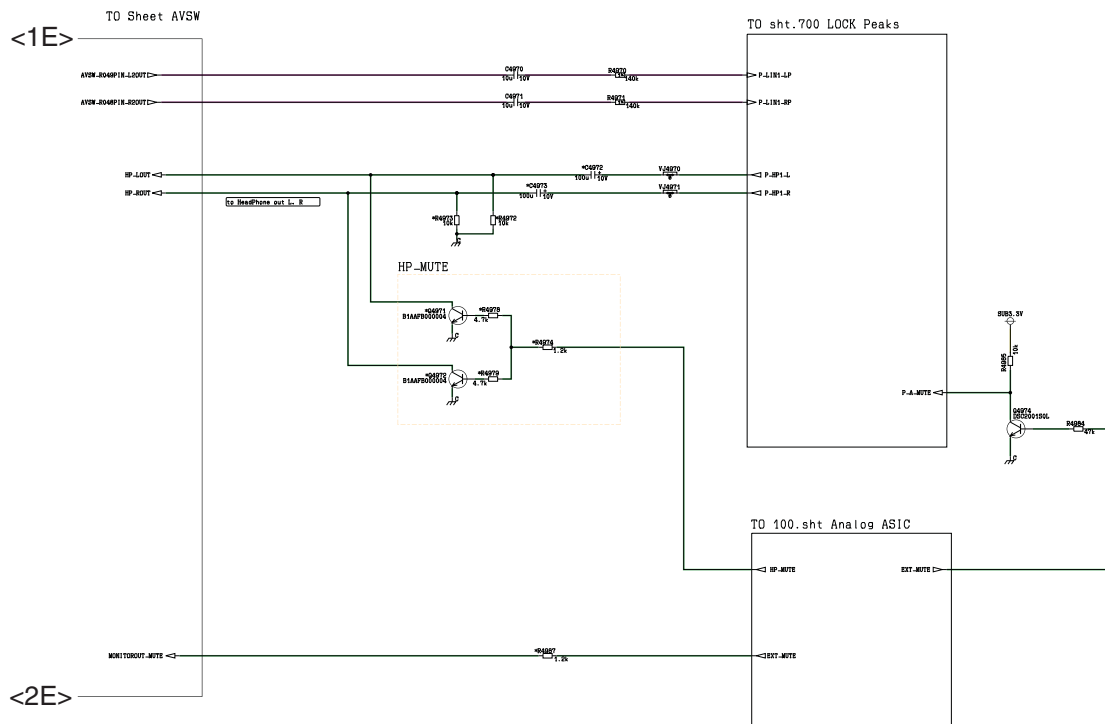


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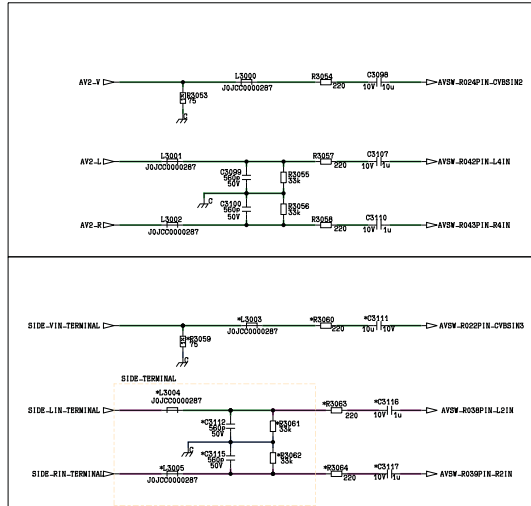
11.2.8. A Board - Sheet : 003 (6 / 6)

Sheet No. 003



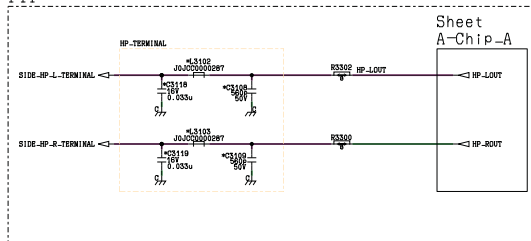
11.2.9. A Board - Sheet : 004 (1 / 2)

VIDEO/AUDIO IN

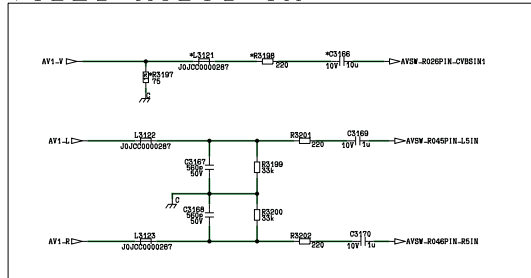


OPT-SPDIF-TERMINAL <- R5070 100 > P-IECOUT

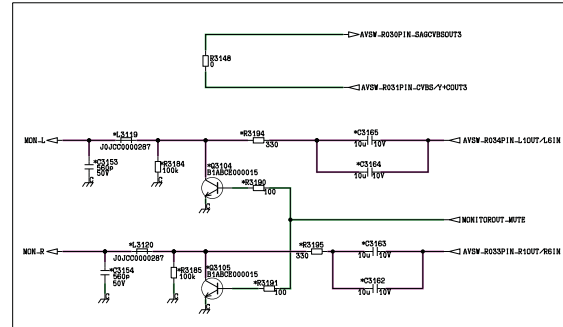
HP



VIDEO/AUDIO IN

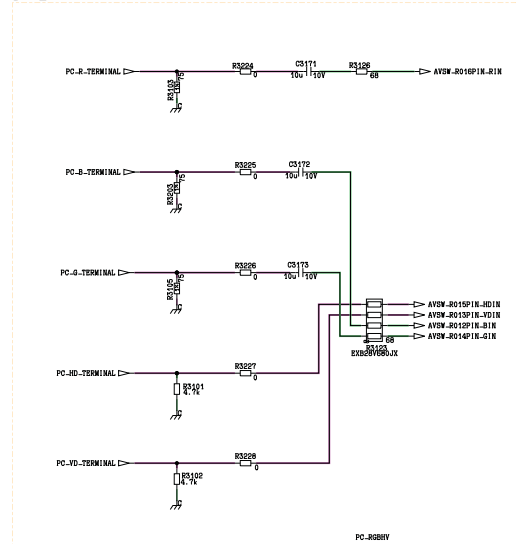


MONITOR OUT

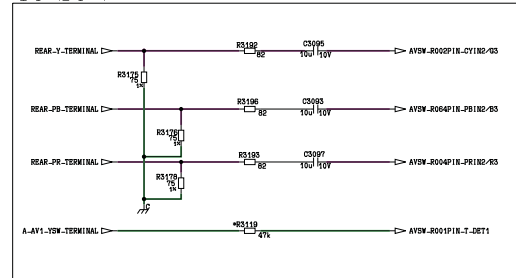


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PC

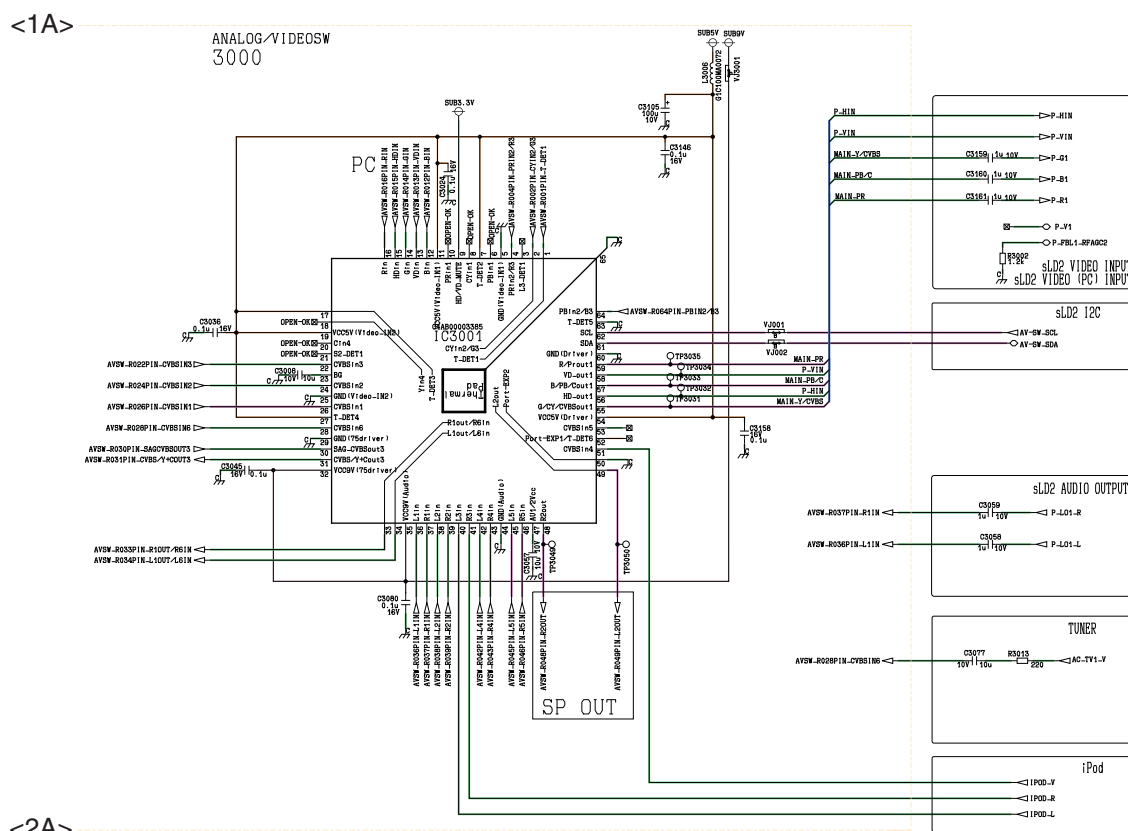


YPbPr

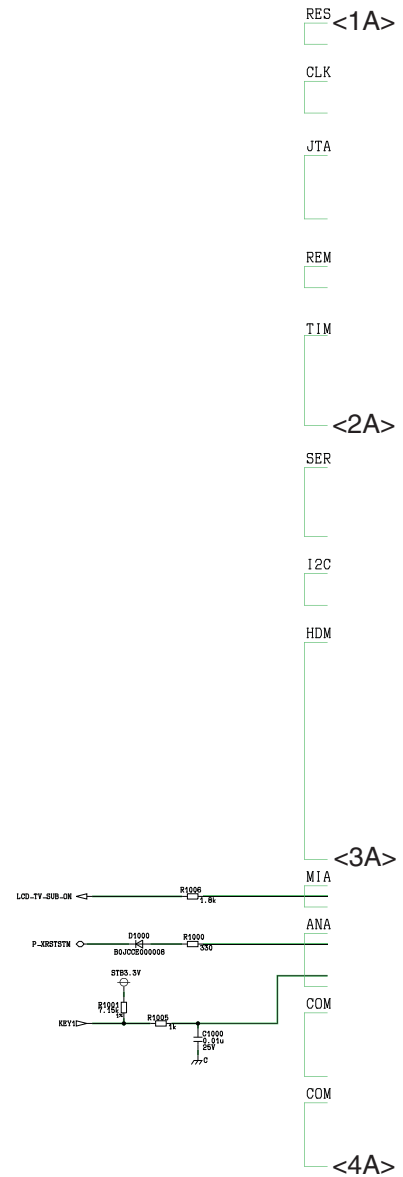
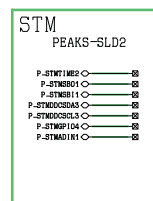
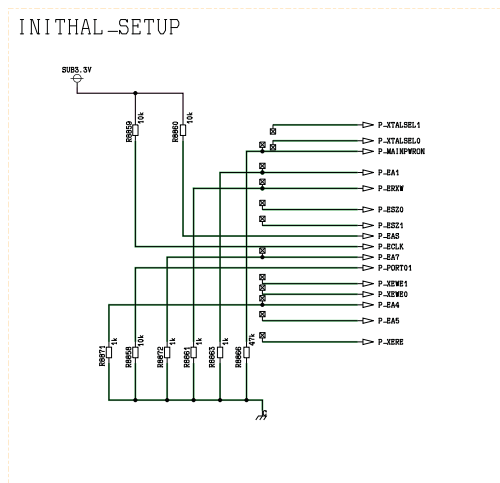


<2A>

Sheet No. 004



11.2.11. A Board - Sheet : 005 (1 / 3)



<1A> SET

□ ————— □ P_XRSTSTM

K SEL

	—————		P-XTALSEL0
	—————		P-XTALSEL1

AG 1/F

☒	_____	○	P-TCK
☒	_____	○	P-TMS
☒	_____	○	P-TDI
☒	_____	○	P-TDO
☒	_____	○	P-TEST

NOTE

□————○ P-STMRMIN

MER

TP1001 TP1000

P-STMTIME0

P-STMTIME1

P-STMTIME2

P-STMTIME3

P-STMTIME4

P-STMTIME5

P-STMTIME6

<2A>

88 ————— ○ P-STMT1M65
88 ————— ○ P-STMT1M66

RIAL

88 ————— ○ P-STW2800
88 ————— ○ P-STW28010
88 ————— ○ P-STW28070

88 ————— ○ P-STW2801
88 ————— ○ P-STW28011

C

☒ P-STMSDA

☒ P-STMSCL

MI	1/F
00	◇ P-STWCE00
01	◇ P-STWCE01UL
02	◇ P-STWCE02UL
03	◇ P-STWCE03UL
04	◇ P-STWCE04UL
05	◇ P-STWCE05UL
06	◇ P-STWCE06UL
07	◇ P-STWCE07UL
08	◇ P-STWCE08UL
09	◇ P-STWCE09UL
10	◇ P-STWCE10UL
11	◇ P-STWCE11UL
12	◇ P-STWCE12UL
13	◇ P-STWCE13UL
14	◇ P-STWCE14UL
15	◇ P-STWCE15UL
16	◇ P-STWCE16UL
17	◇ P-STWCE17UL
18	◇ P-STWCE18UL
19	◇ P-STWCE19UL
20	◇ P-STWCE20UL
21	◇ P-STWCE21UL
22	◇ P-STWCE22UL
23	◇ P-STWCE23UL
24	◇ P-STWCE24UL
25	◇ P-STWCE25UL
26	◇ P-STWCE26UL
27	◇ P-STWCE27UL
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29	◇ P-STWCE29UL
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61	◇ P-STWCE61UL
62	◇ P-STWCE62UL
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89	◇ P-STWCE89UL
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92	◇ P-STWCE92UL
93	◇ P-STWCE93UL
94	◇ P-STWCE94UL
95	◇ P-STWCE95UL
96	◇ P-STWCE96UL
97	◇ P-STWCE97UL
98	◇ P-STWCE98UL
99	◇ P-STWCE99UL

<3A>

AN POWER CTRL

IALOG INPUT

☒ P-STWADIN0

☒ P-STWADIN1

☒ P-STWADIN2

☐ P-STWADIN3

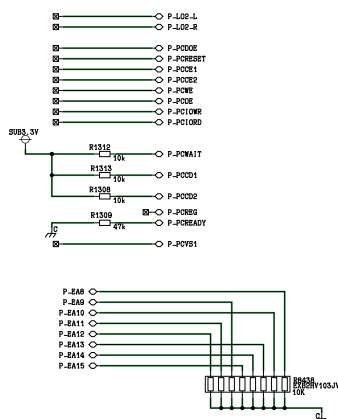
MMON I/O PORT & IRQ

				P-STMGPI00
				P-STMGPI01
				P-STMGPI02
				P-STMGPI03
				P-STMGPI04

MMON I/O PORT

		P-STMGPI05
		P-STMGPI06
		P-STMGPI07
		P-STMGPI08
		P-STMGPI09

<4A>



<1B>

PORT
PEAKS-SLD2

- P-PURT10
- P-PURT32
- P-PURT33
- P-PURT34
- P-PURT37
- P-MAKEUP
- P-WUC
- P-AGCR
- P-AGCBS
- P-POCB2
- P-PGV51
- P-PORG
- P-LCDPW40
- P-LCDPW41
- P-SB01
- P-SB11
- P-SBT1
- P-TXD1
- P-RXD1

IRQ
PEA1

P-XIRQ3○
P-XIRQ4○

P-XIRQ5○
P-XIRQ6○

P-XIRQ9○
P-XIRQ11○

— <2B>

DMD
PE
P-BFAGC <
P-BB1Q-I <
P-BB1Q-Q <

TS
PEAKS-SLI
P-PORT15 R1004 10k

TCON
PEAKS-SL

P-TCON1
P-TCON2
P-TCON3
P-TCON4
P-TCON5
P-TCON6
P-TCON7

POWER
PEF

P_VDD5  V

TCOM2.5V 

TS PARALLEL OUTPUT

☒ P-HSBCLOCKOUT
☒ P-HSBDOUT0
☒ P-HSBDOUT1
☒ P-HSBDOUT2
☒ P-HSBDOUT3
☒ P-HSBDOUT4
☒ P-HSBDOUT5
☒ P-HSBDOUT6
☒ P-HSBDOUT7
☒ P-HSSYNCOOUT
☒ P-HSRVALOUT

TS PARALLEL

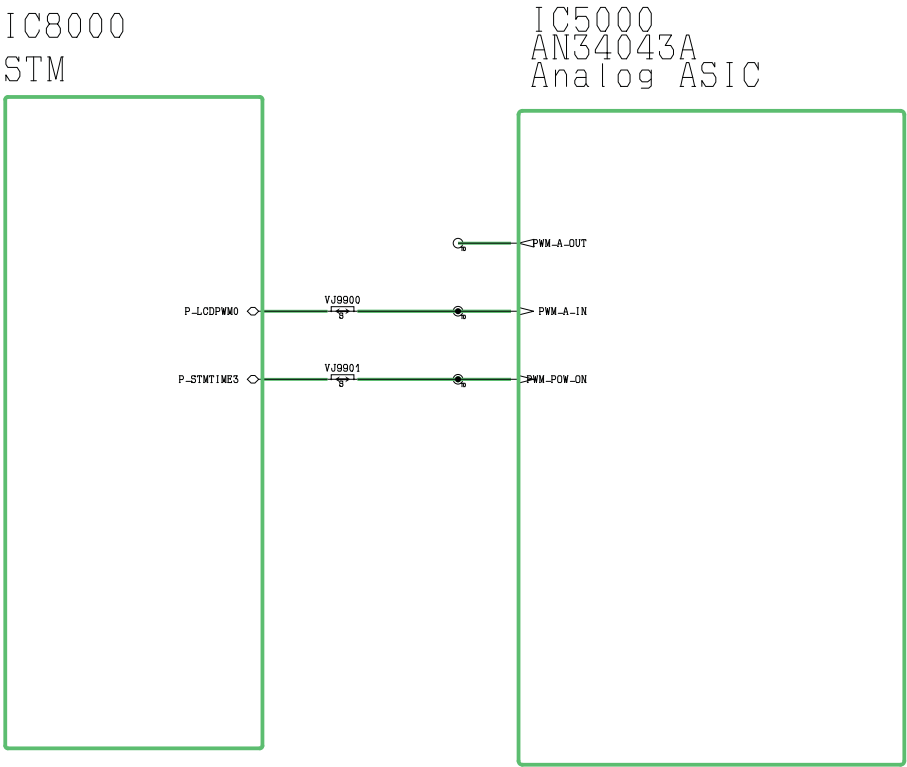
A circuit diagram showing a common rail labeled 'C' connected to a 47k resistor (R1311). The other end of the resistor is connected to a series of input pins, each marked with a square symbol.

<3B>



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

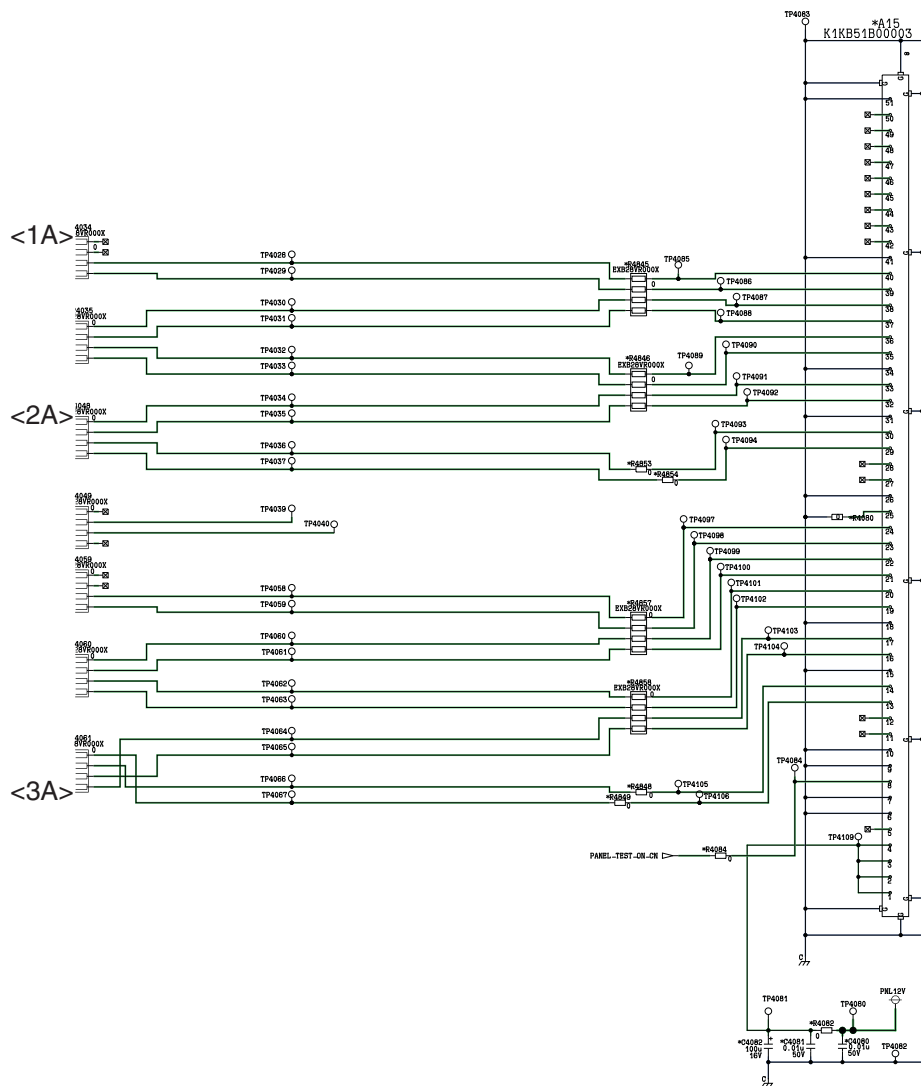
Sheet No. 008





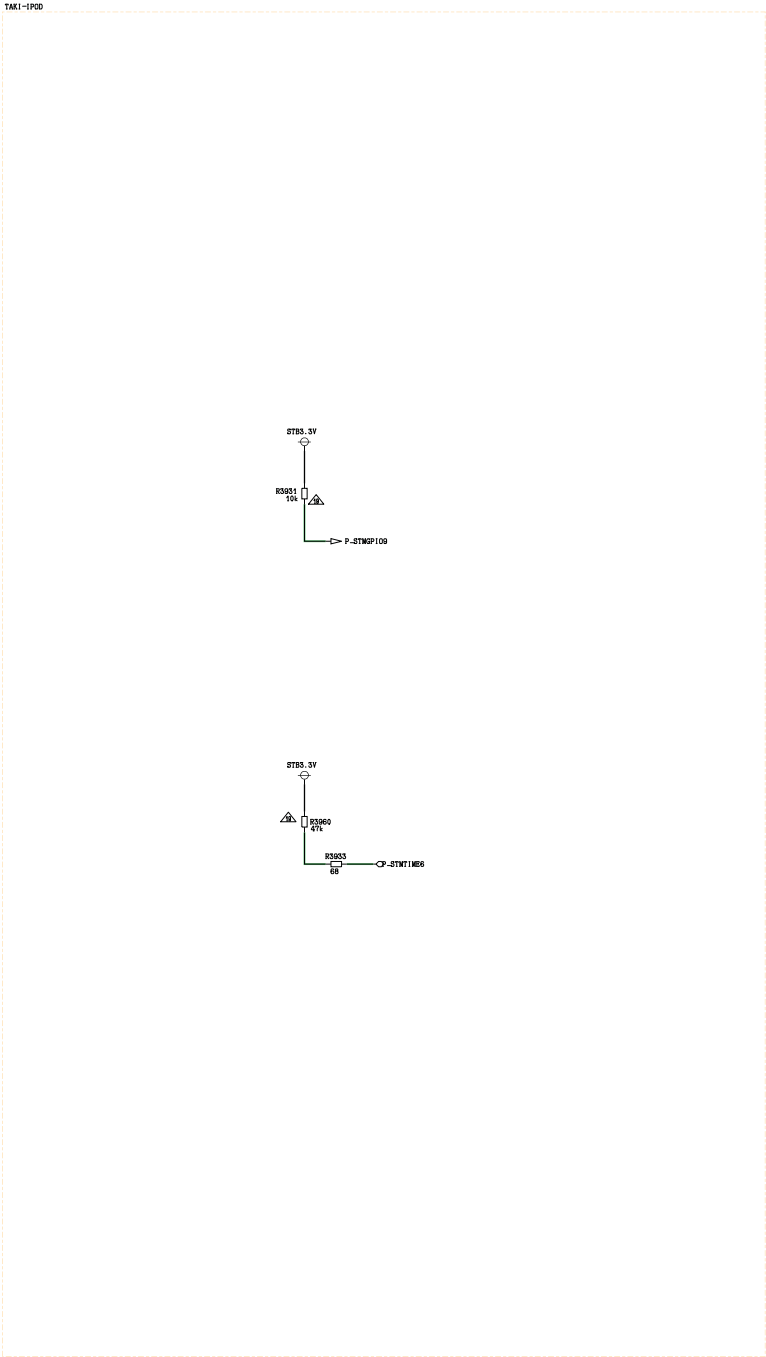
11.2.16. A Board - Sheet : 009 (2 / 2)

Sheet No.009

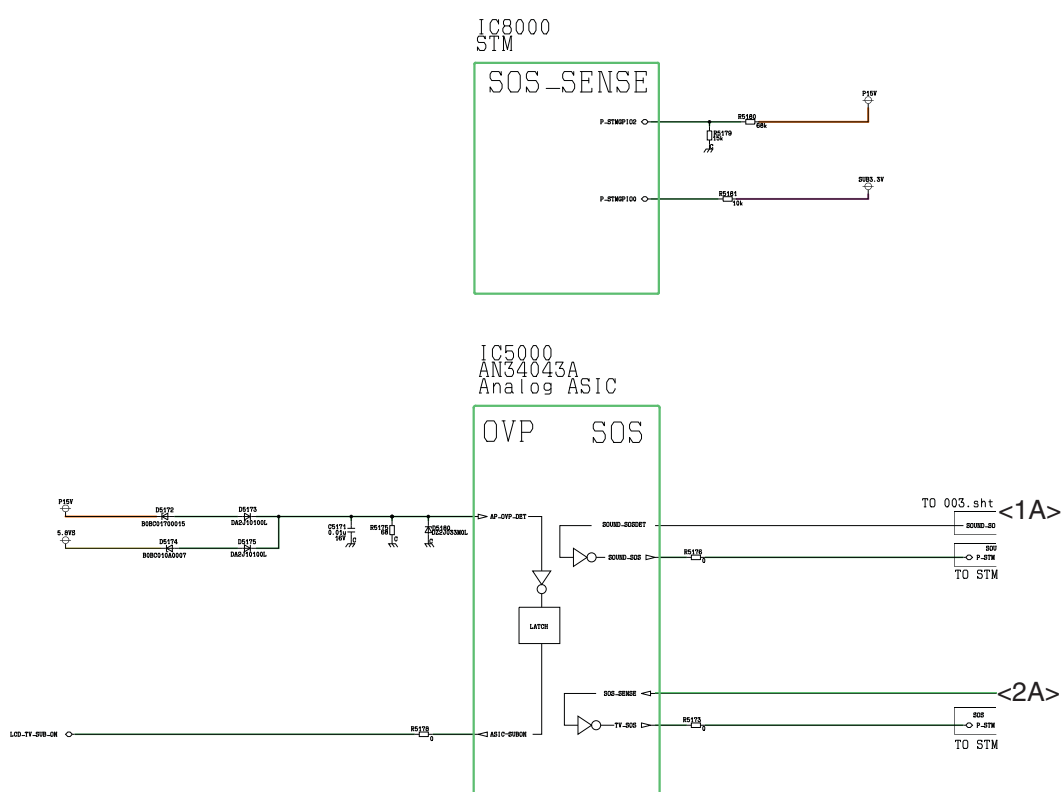


11.2.17. A Board - Sheet : 010 (1 / 1)

SHEET 010



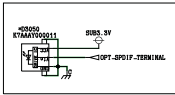
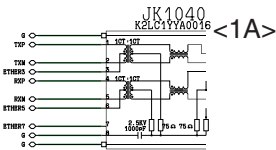
11.2.18. A Board - Sheet : 100 (1 / 3)



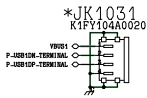


11.2.21. A Board - Sheet : 101 (1 / 4)

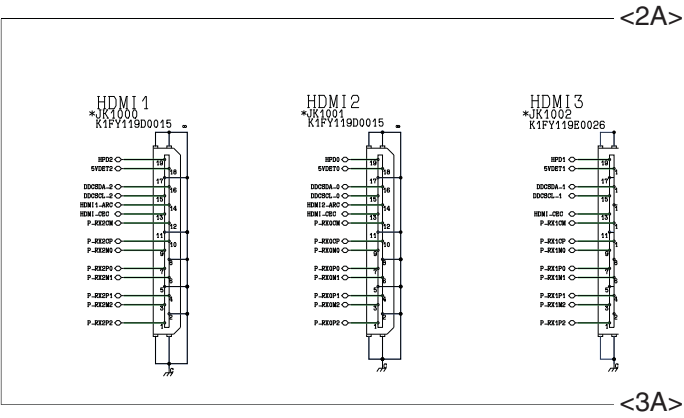
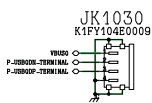
Ether



Rear USB

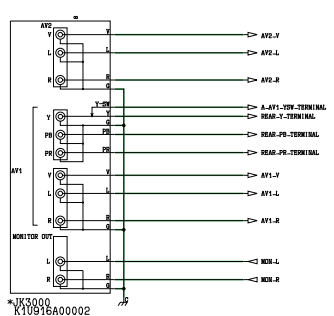
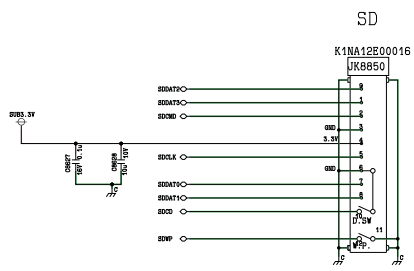
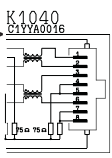


Side USB

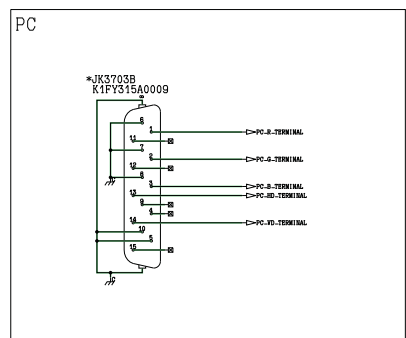
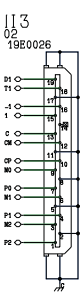


11.2.22. A Board - Sheet : 101 (2 / 4)

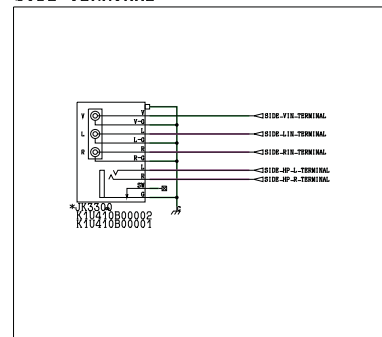
<1A>



<2A>



SIDE TERMINAL



P <1B>

<2B>

<3A>



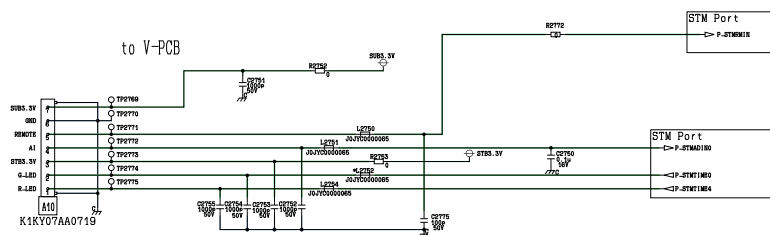
11.2.24. A Board - Sheet : 101 (4 / 4)

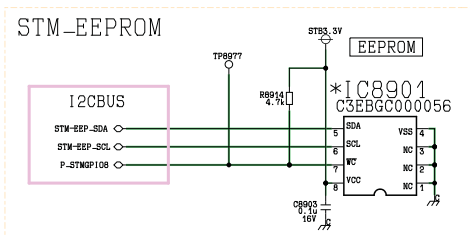
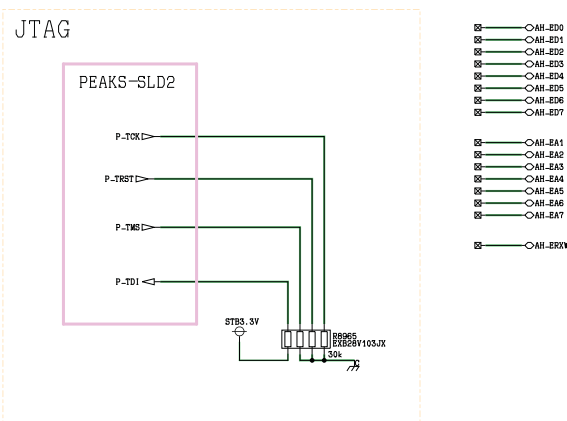
Sheet No. 101

<1C>



<2C>

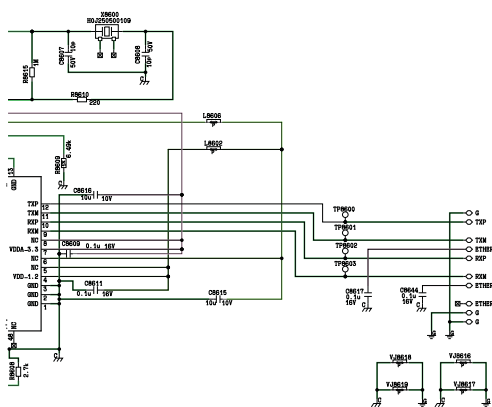


[illegible]



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

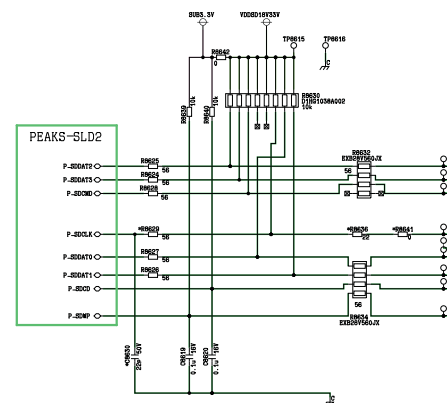
<1A>



<2A>

SD_CARD

<1B>

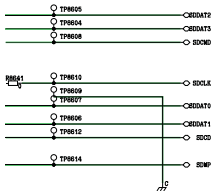


<2B>

11.2.28. A Board - Sheet : 301 (3 / 3)

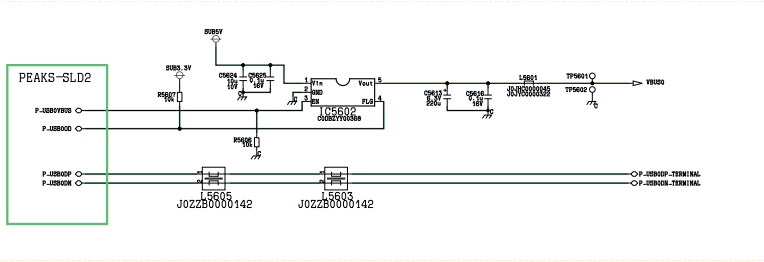
Sheet No. 301

<1B>

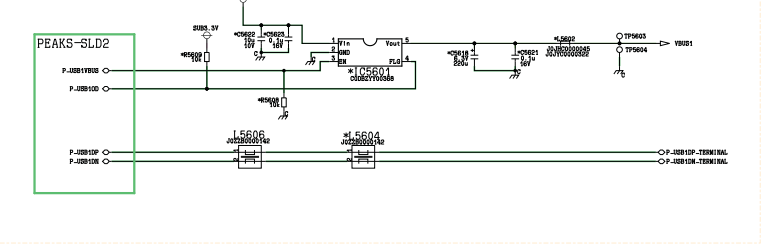


<2B>

USB0



USB1



<1A>



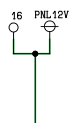
<3A>



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

Sheet No. 302

<1A>

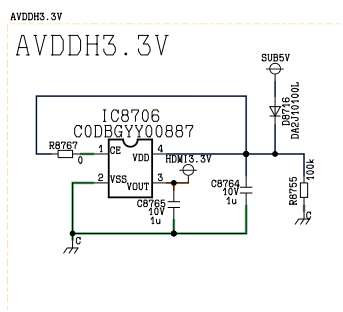
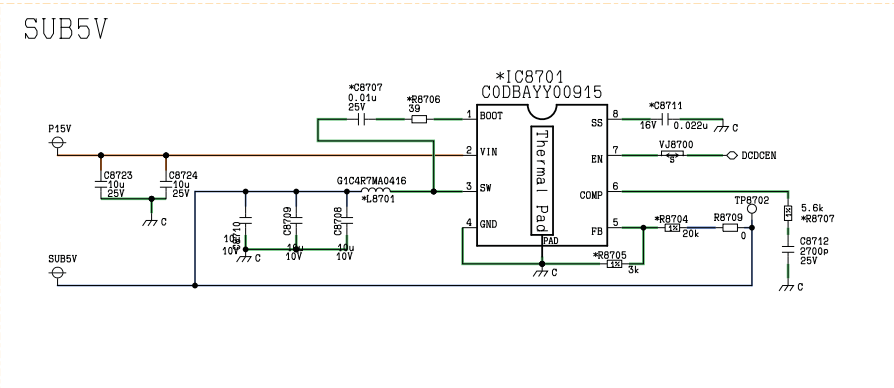
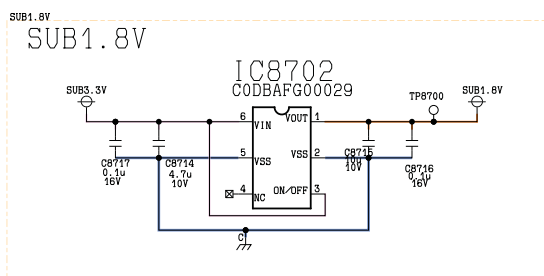


<2A>

*C8703
4.3k

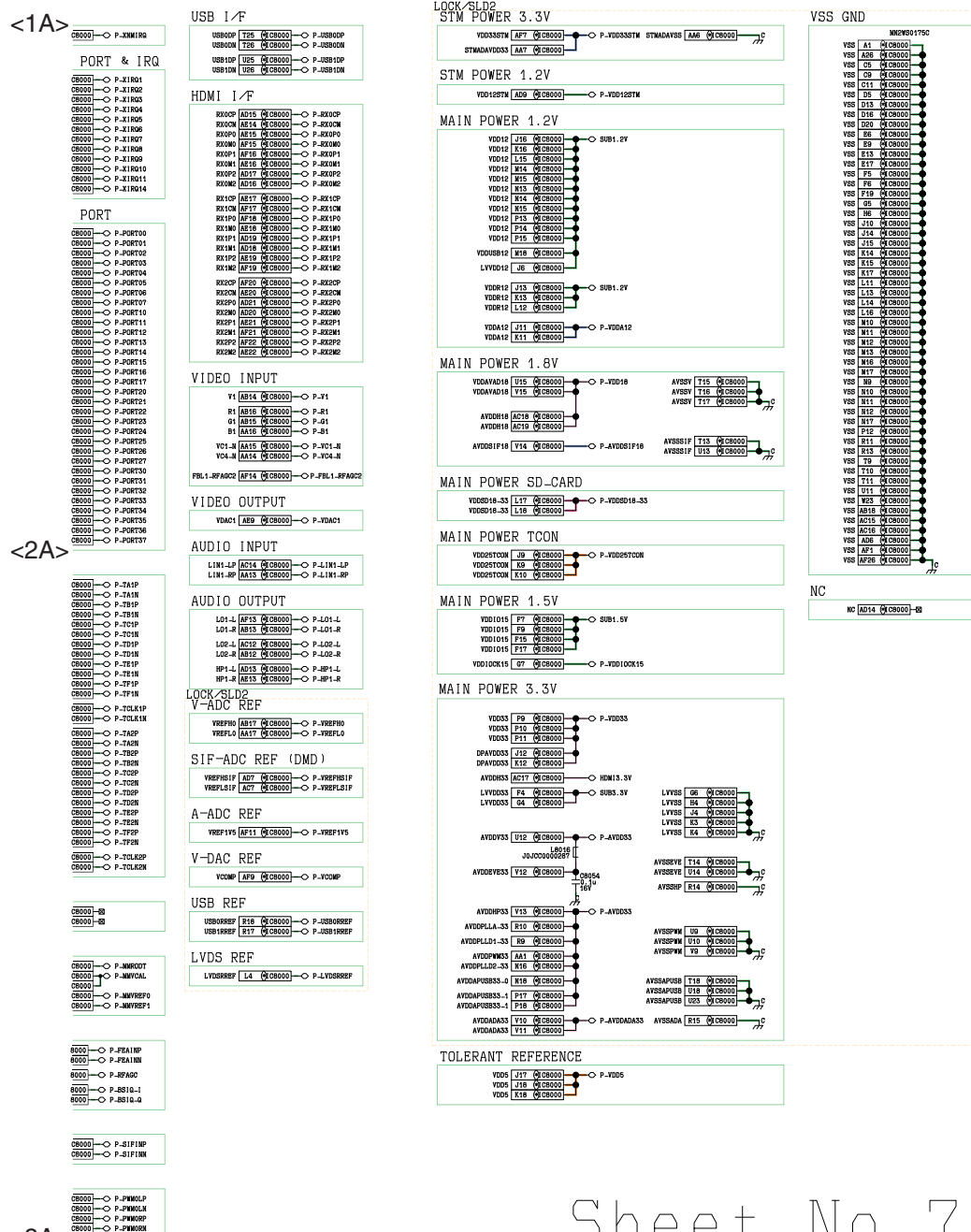
*C8705
0.01u
25V

<3A>





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

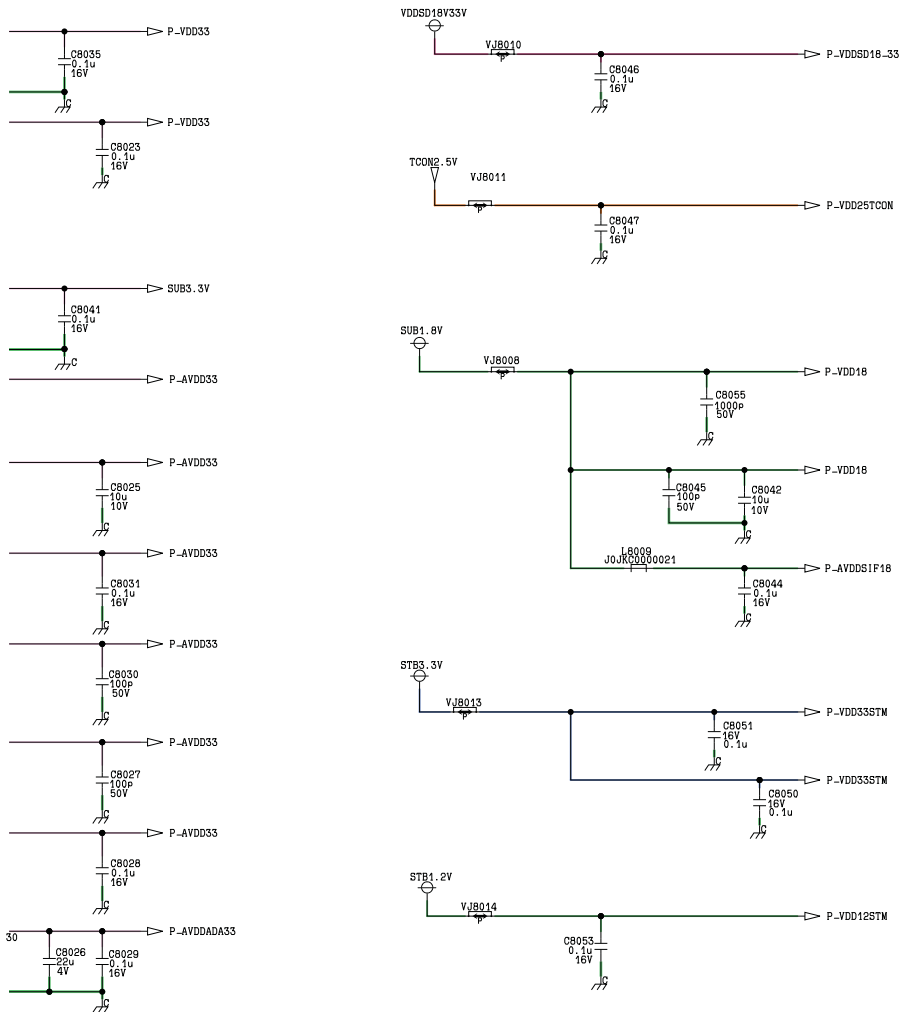




11.2.34. A Board - Sheet : 701 (2 / 2)

Sheet No. 701

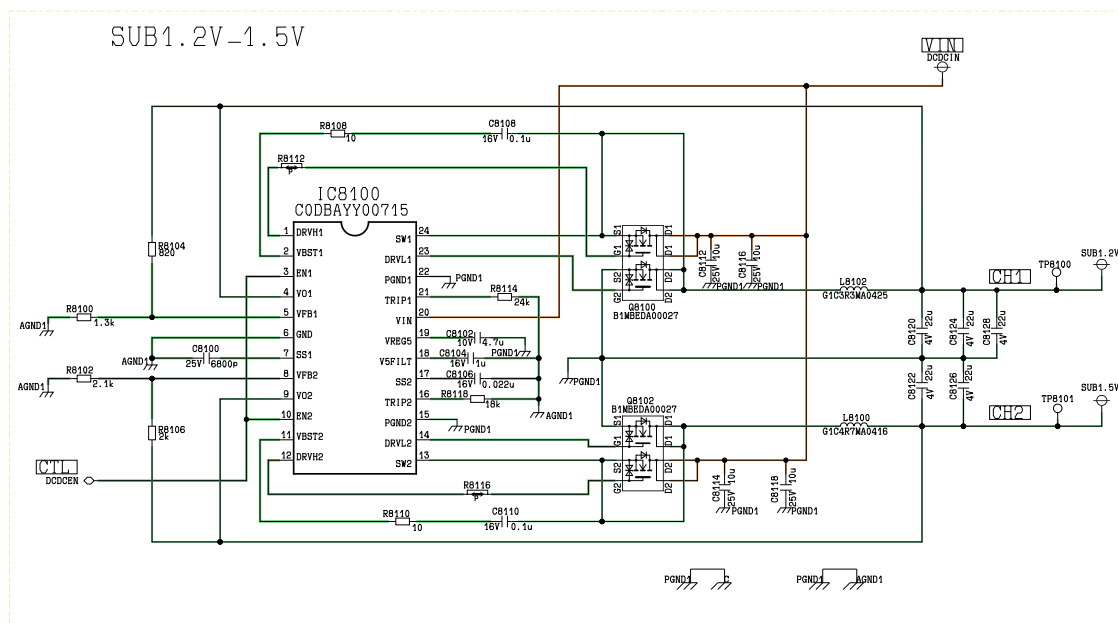
<1A>



<2A>

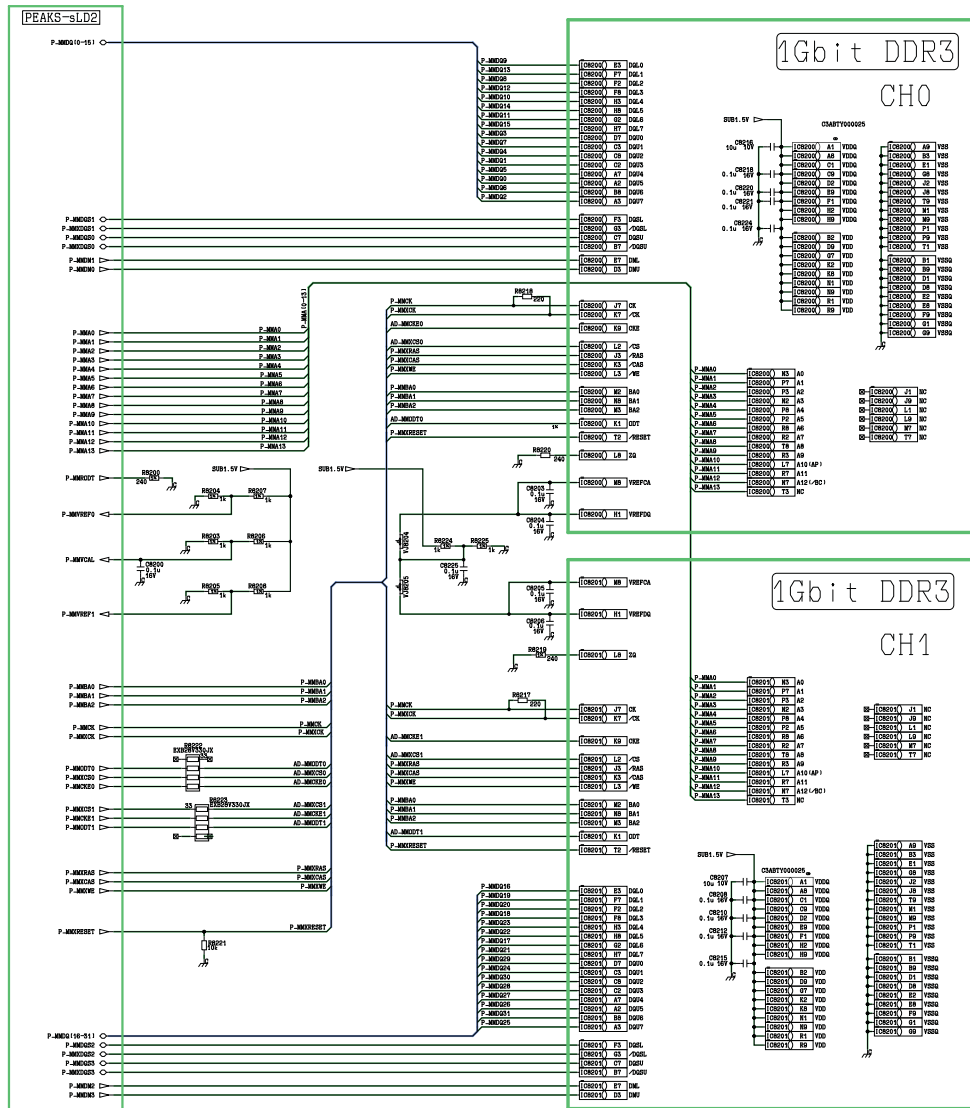
11.2.35. A Board - Sheet : 702 (1 / 1)

Sheet No. 702



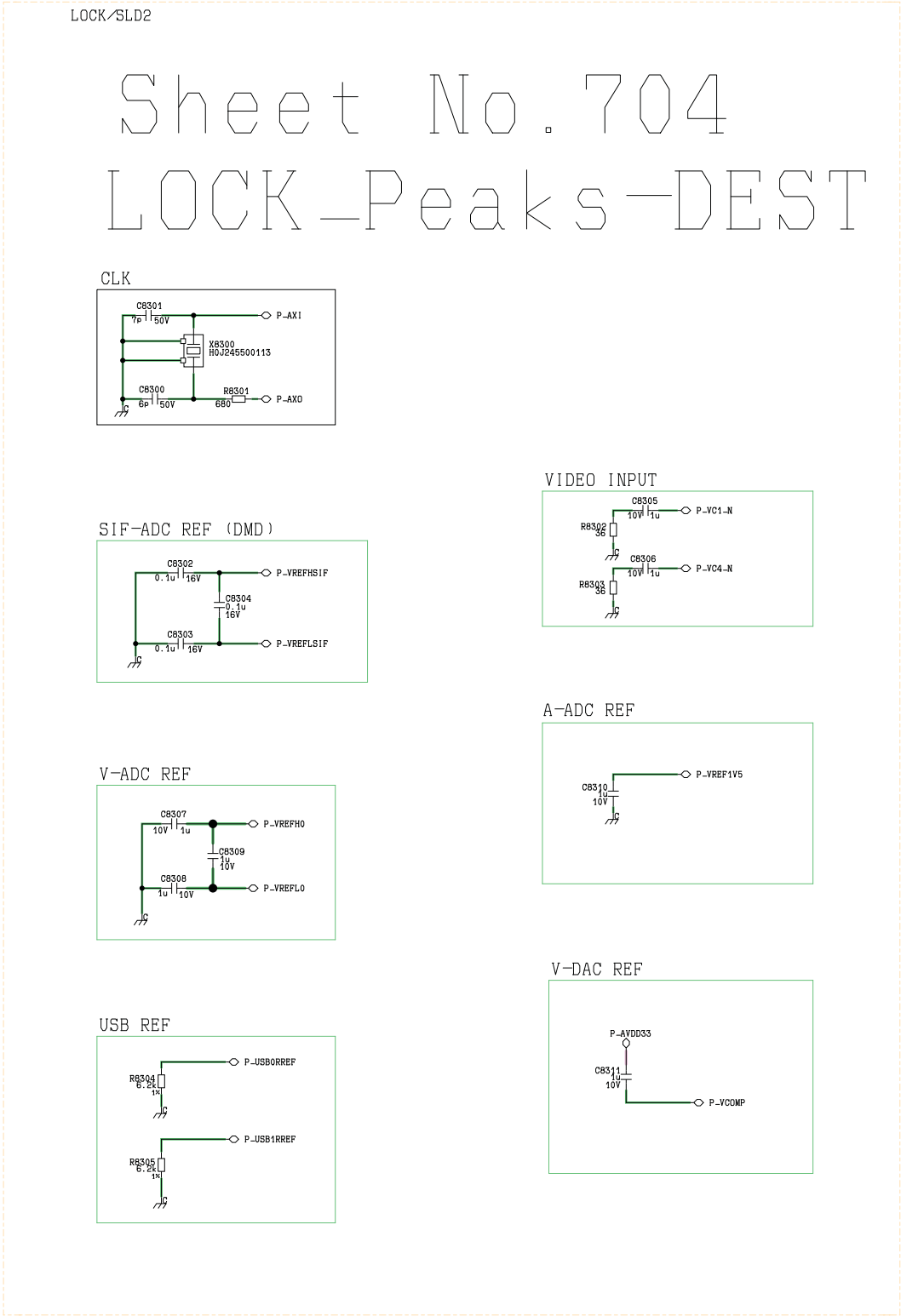
11.2.36. A Board - Sheet : 703 (1 / 1)

LOCK/SLD2



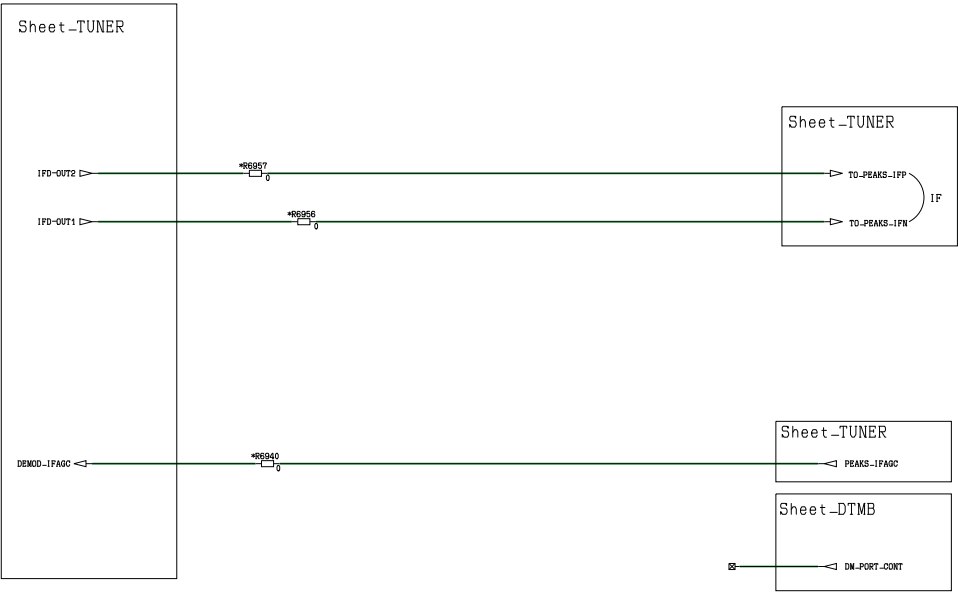
Sheet No. 703

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



11.2.38. A Board - Sheet : 708 (1 / 1)

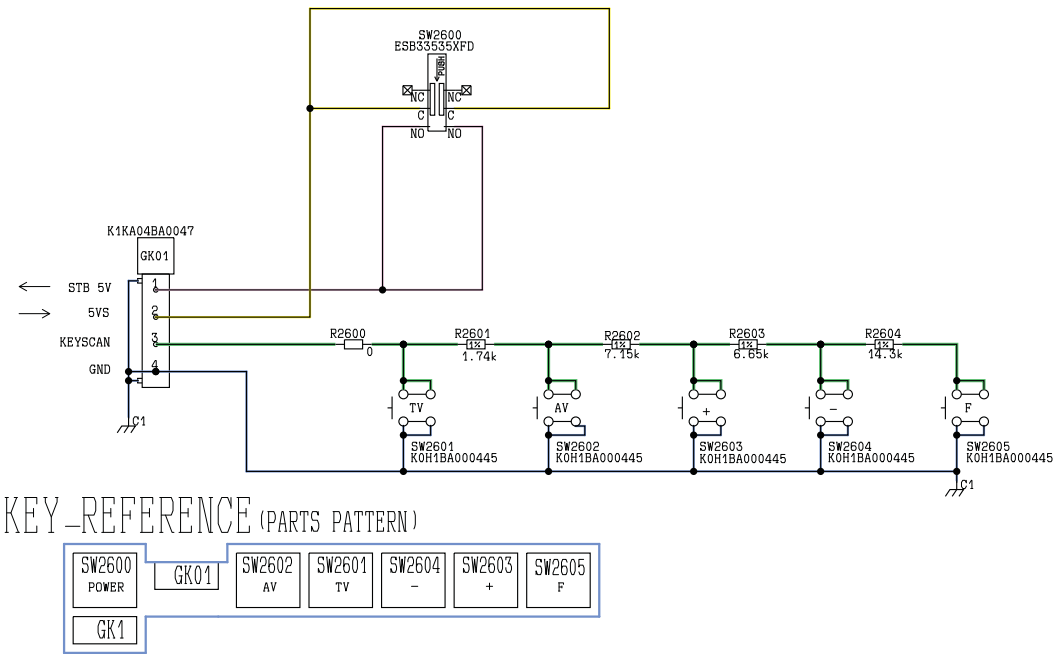
Sheet No. 708



11.3. GK Board

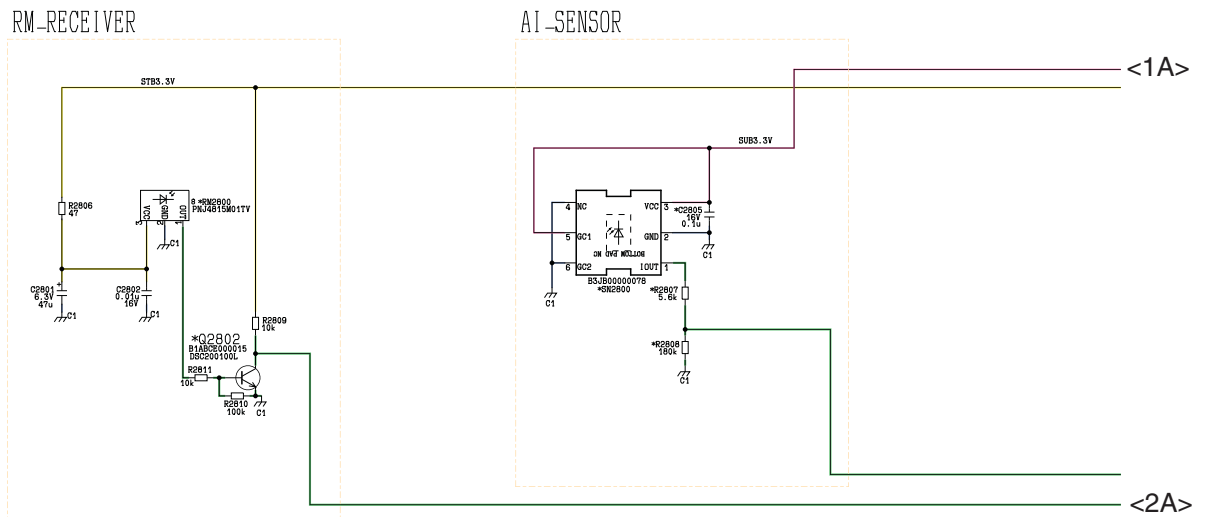
11.3.1. GK Board (1 / 1)

TNP4G502AAA
GK BOARD



11.4. KA Board

11.4.1. KA Board (1 / 2)

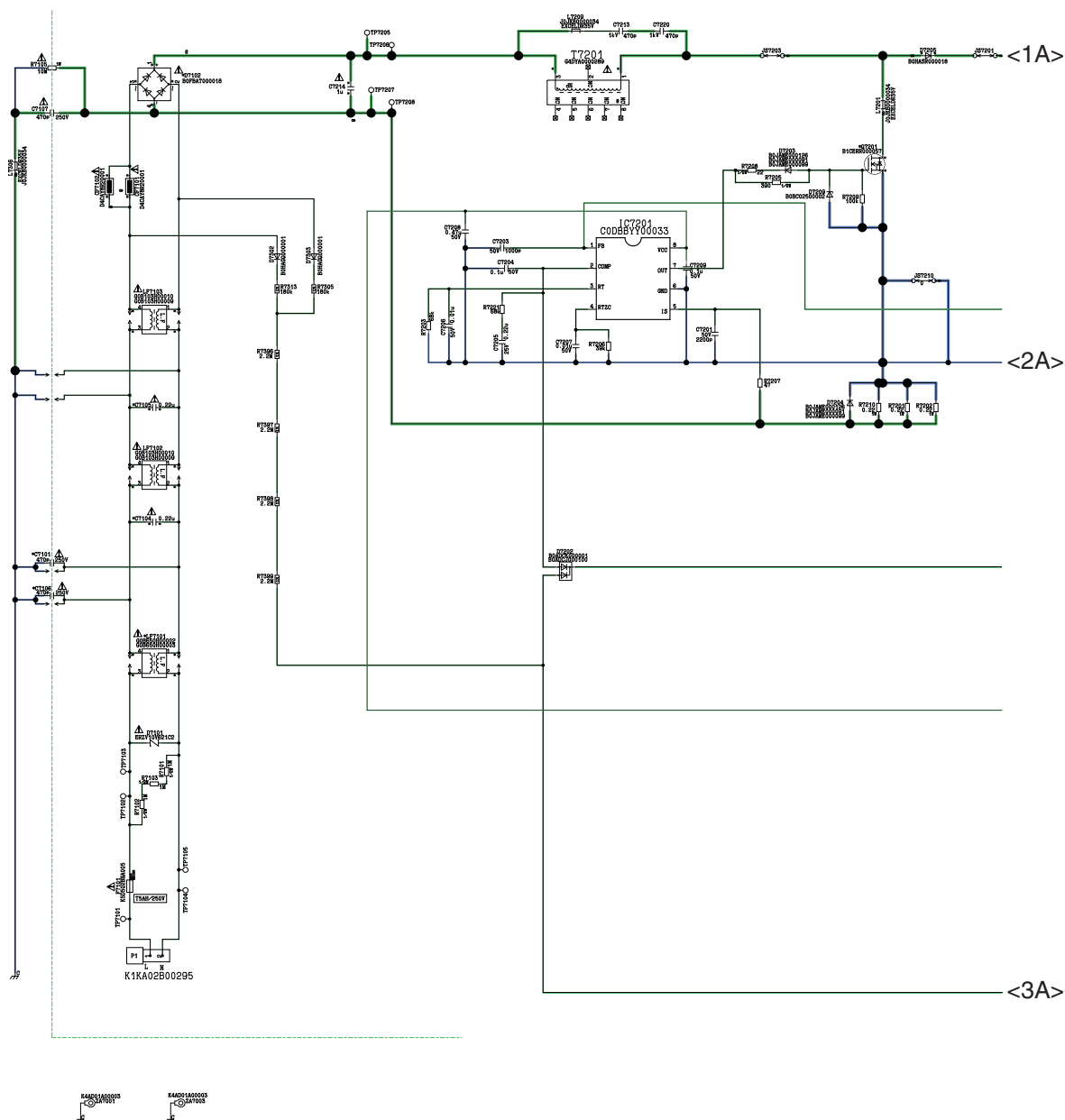




CRN_o. : 2800 ~ 2849

11.5. P Board

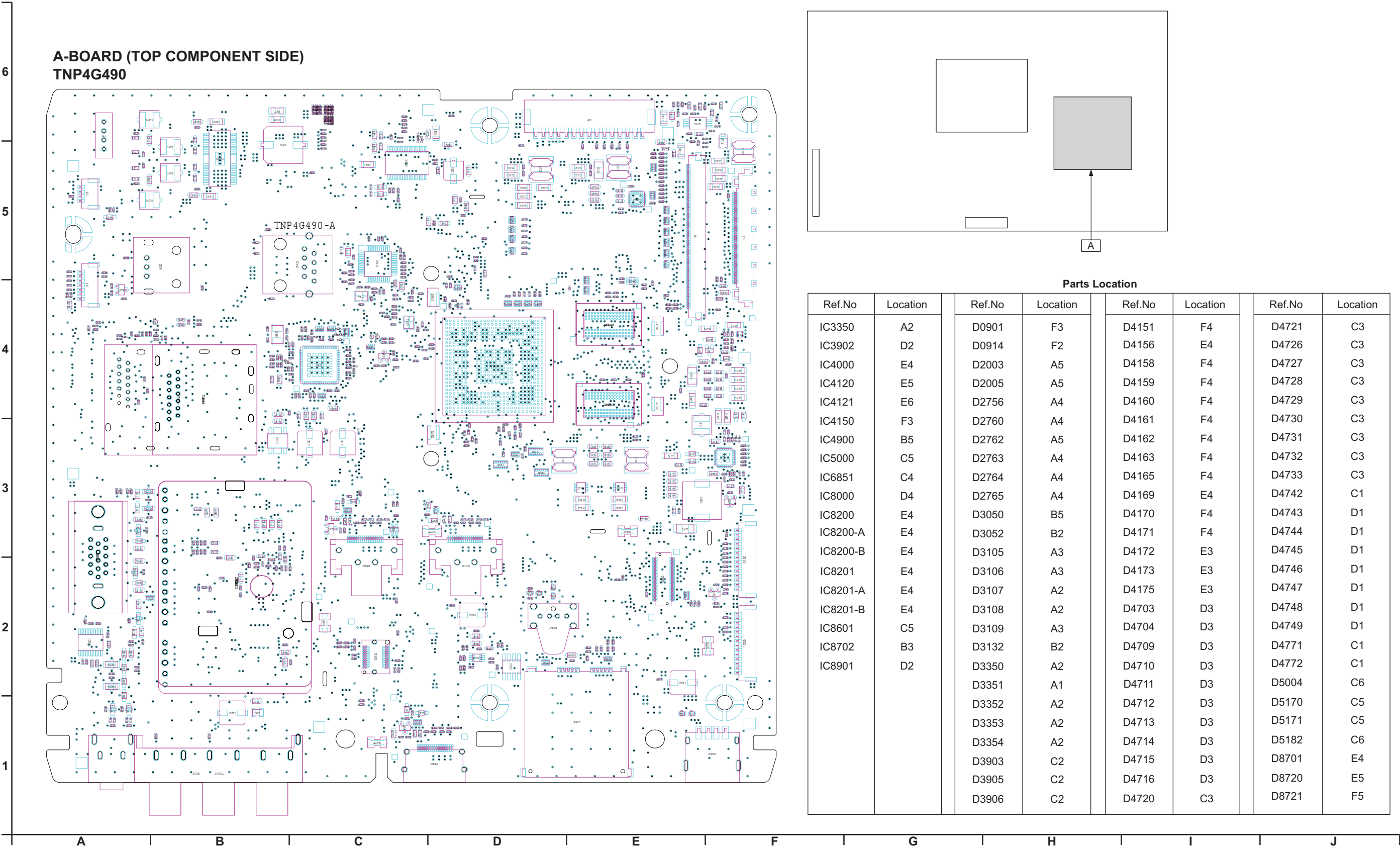
11.5.1. P Board (1 / 3)



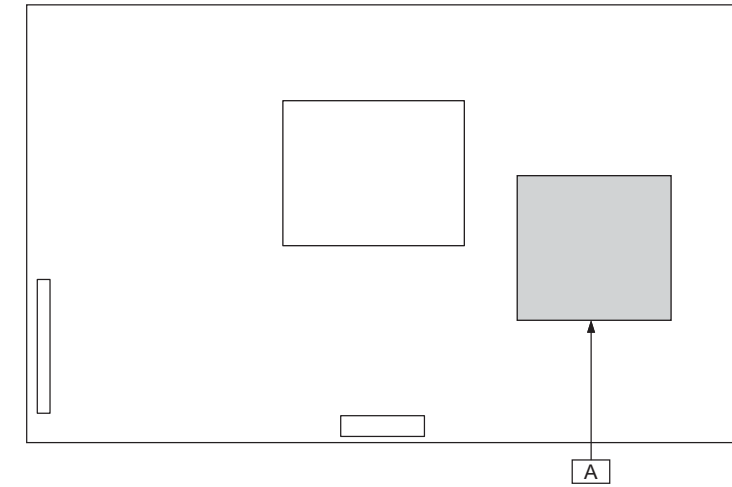


12 Printed Circuit Board

12.1. A-BOARD



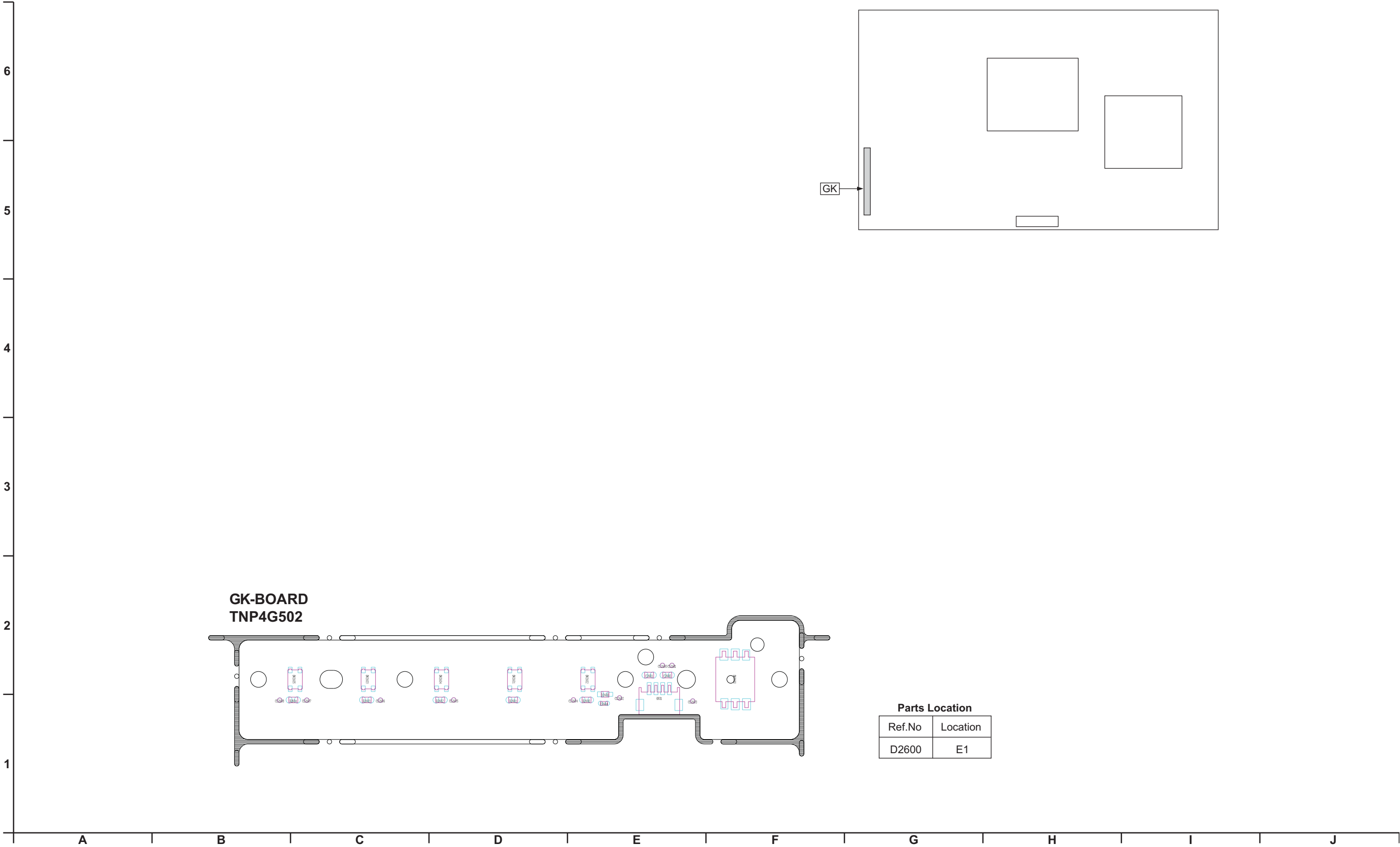
A-BOARD (BOTTOM COMPONENT SIDE)
TNP4G490



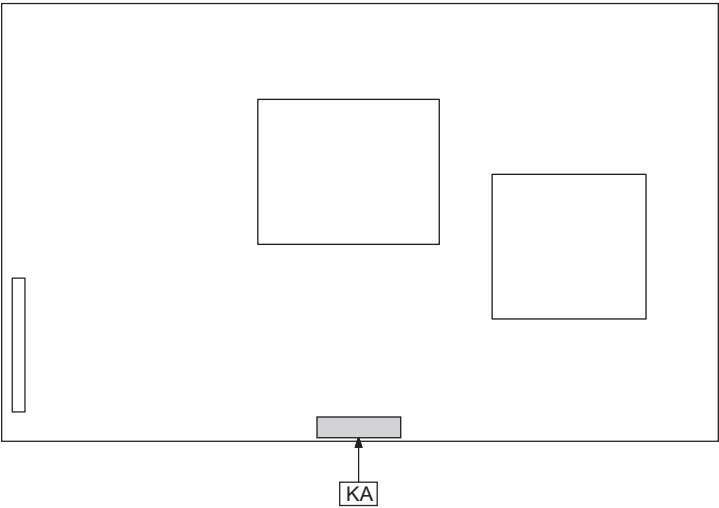
Parts Location

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		

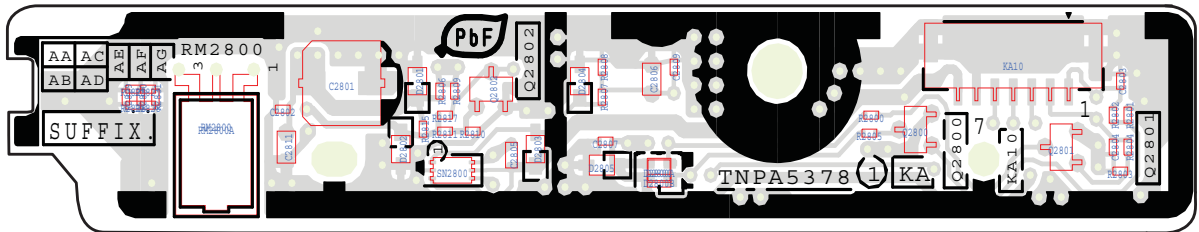
12.2. GK-BOARD



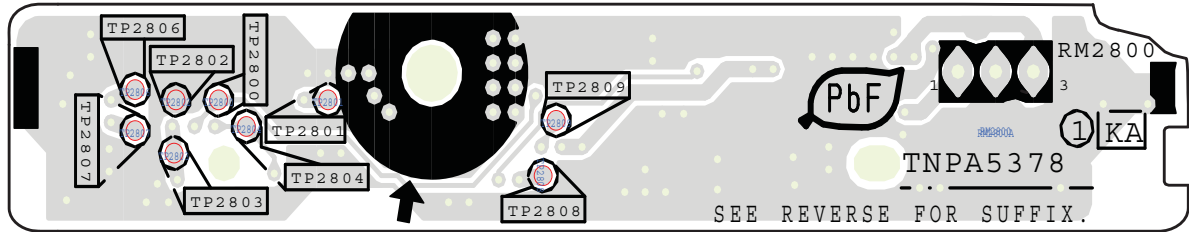
12.3. KA-BOARD



KA-BOARD (TOP COMPONENT SIDE)
TNPA5378

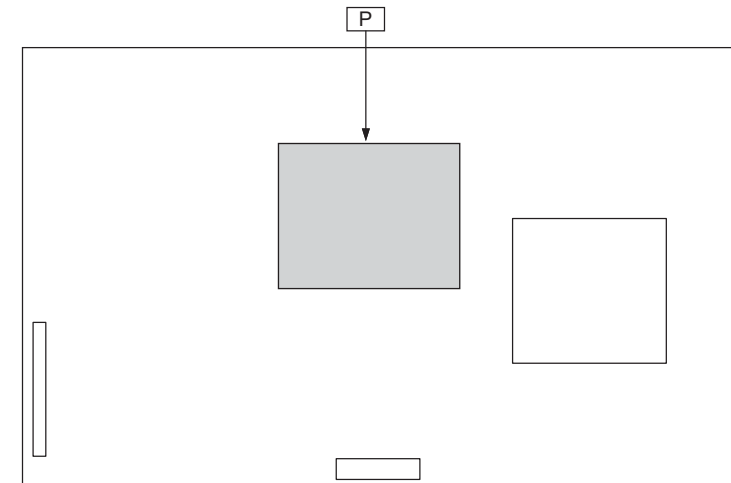


KA-BOARD (BOTTOM COMPONENT SIDE)
TNPA5378

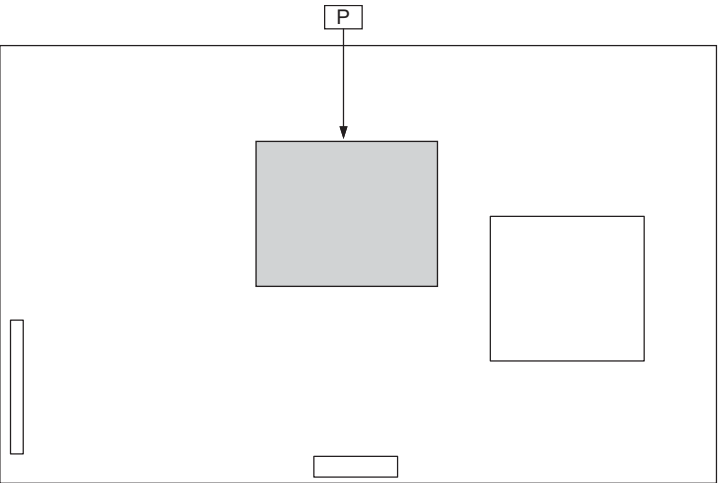


Parts Location

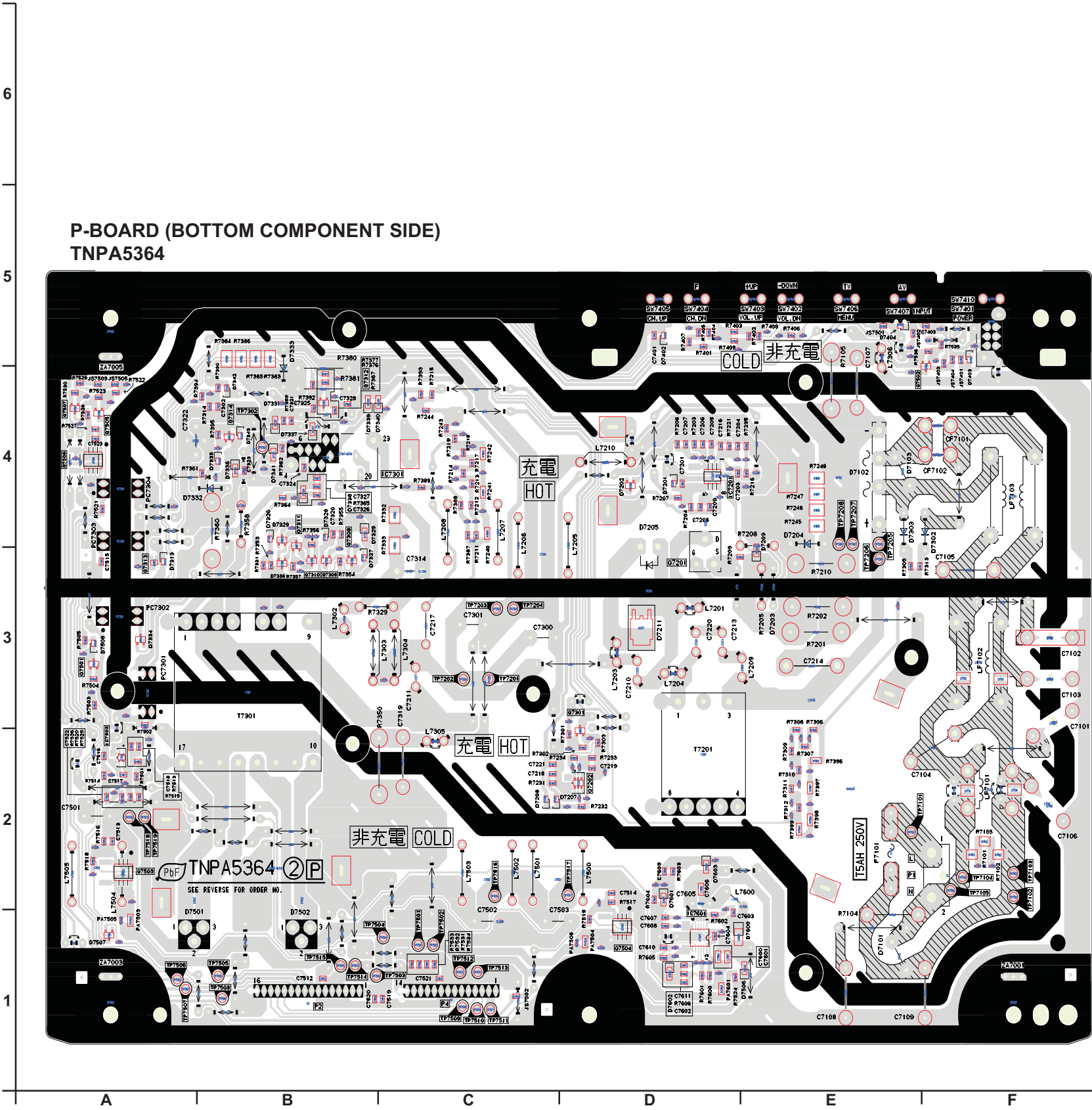
Ref.No	Location
D2800A	D4
D2800B	D4
D2801	C4
D2802	C4
D2803	D4
D2804	D4
D2805	D4



Parts Location				
Ref.No	Location		Ref.No	Location
IC7301	E4		D7102	B4
			D7103	B4
			D7203	B3
			D7204	B4
			D7205	C3
			D7302	B4
			D7303	B4
			D7332	E4
			D7333	E4
			D7501	F1
			D7502	E1



P-BOARD (BOTTOM COMPONENT SIDE)
TNPA5364



Parts Location

Ref.No	Location	Ref.No	Location	Ref.No	Location	Ref.No	Location
IC7201	D4	D7101	E1	D7326	B4	D7341	B4
IC7301	B4	D7102	E4	D7327	B3	D7342	B4
IC7502	A2	D7103	E4	D7328	B4	D7343	B4
IC7601	D1	D7201	D4	D7329	B4	D7402	D5
		D7202	D4	D7330	B3	D7403	F5
		D7203	E3	D7331	B4	D7404	E5
		D7204	E3	D7332	B4	D7501	A1
		D7205	D3	D7333	B4	D7502	B1
		D7207	C2	D7334	A3	D7506	E1
		D7208	C2	D7335	B4	D7507	A1
		D7209	E3	D7336	B4	D7508	A3
		D7211	D3	D7337	B4	D7600	D1
		D7302	F4	D7338	B4	D7601	D2
		D7303	E4	D7339	B4	D7602	D1
		D7313	A3	D7339	B4	D7603	D2
		D7325	B6	D7340	B4		

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

2. Capacitor

Example:

Example:

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

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	F2G1C1010034	E 100UF , 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	F1G1C104A077	C 0.1UF , 16V	
	C5624	F1J1A106A087	C 10UF , 10V	
	C5625	F1G1C104A077	C 0.1UF , 16V	
⚠	C7101	F1A2E471A003	C 470PF , 250V	
⚠	C7104	F0CAF224A124	C 0.22UF , 250V	
⚠	C7105	F0CAF224A124	C 0.22UF , 250V	
⚠	C7106	F1A2E471A003	C 470PF , 250V	
⚠	C7107	F1A2E471A003	C 470PF , 250V	
	C7201	F1J1H222A721	C 2200PF , 50V	
	C7203	F1J1H102A721	C 1000PF , 50V	
	C7204	F1J1H104A717	C 0.1UF , 50V	
	C7205	F1J1E224A136	C 0.22UF , 50V	
	C7206	F1J1H1030007	C 0.01UF , 50V	
	C7207	F1J1H1030007	C 0.01UF , 50V	
	C7208	F1J1H474A757	C 0.47UF , 50V	
	C7209	F1J1H104A717	C 0.1UF , 50V	
	C7213	F1A3A471A060	C 470PF , 1kV	
	C7214	F0CZZ1050007	C 1UF , 250V	
	C7218	F1J1H1030007	C 0.01UF , 50V	
	C7219	F1J1H2240009	C 0.22UF , 50V	
	C7220	F1A3A471A060	C 470PF , 1kV	
	C7221	F1J1H102A721	C 1000PF , 50V	
	C7301	F2A2W8200011	C 82UF , 450V	
	C7302	F1J1H102A721	C 1000PF , 50V	
	C7314	F0C2K273A046	C 0.027UF , 800V	
	C7320	F1J1E223A226	C 0.022UF , 25V	
	C7321	F1J1H221A709	C 220PF , 50V	
	C7322	F2A1V4710023	C 470UF , 35V	
	C7323	F1J1H104A717	C 0.1UF , 50V	
	C7324	F1J1H221A709	C 220PF , 50V	
	C7325	F1J1E105A231	C 1UF , 25V	
	C7326	F1J1H104A717	C 0.1UF , 50V	
	C7327	F1J1E223A226	C 0.022UF , 25V	
	C7328	F1J1E105A231	C 1UF , 25V	
	C7501	F2A1V1820032	C 1800UF , 35V	
	C7502	F2A1E1820027	C 1800UF , 25V	
	C7513	F1J1A106A087	C 10UF , 10V	
	C7514	F1J1E105A231	C 1UF , 25V	
	C7516	F1J1H104A717	C 0.1UF , 50V	
	C7521	F1J1H104A717	C 0.1UF , 50V	
	C7523	F1J1E105A231	C 1UF , 25V	
	C7600	F1K1E106A136	C 10UF , 25V	
	C7601	F1K1E106A136	C 10UF , 25V	
	C7602	F1J1E224A136	C 0.22UF , 50V	
	C7604	F1J1E105A231	C 1UF , 25V	
	C7606	F1K1E106A136	C 10UF , 25V	
	C7607	F1J1E223A226	C 0.022UF , 25V	
	C7608	F1J1H222A721	C 2200PF , 50V	
	C7610	F1J1H472A702	C 4700PF , 50V	
	C7611	F1J1E105A231	C 1UF , 25V	
	C8001	F1J1A106A087	C 10UF , 10V	
	C8004	F1G1C104A077	C 0.1UF , 16V	
	C8005	F1G1C104A077	C 0.1UF , 16V	
	C8006	F1G1C104A077	C 0.1UF , 16V	
	C8008	F1G1H1020008	C 1000PF , 50V	
	C8009	F1J1A106A087	C 10UF , 10V	
	C8011	F1G1C104A077	C 0.1UF , 16V	
	C8013	F1G1H1020008	C 1000PF , 50V	
	C8014	F1G1A105A047	C 1UF , 10V	
	C8015	F1G1A105A047	C 1UF , 10V	
	C8016	F1G1C104A077	C 0.1UF , 16V	
	C8019	F1J1A106A087	C 10UF , 10V	
	C8023	F1G1C104A077	C 0.1UF , 16V	
	C8024	F1J1A106A087	C 10UF , 10V	
	C8025	F1J1A106A087	C 10UF , 10V	
	C8026	F1J0G2260001	C 22UF , 4V	
	C8027	F1G1H101A565	C 100PF , 50V	
	C8028	F1G1C104A077	C 0.1UF , 16V	
	C8029	F1G1C104A077	C 0.1UF , 16V	
	C8030	F1G1H101A565	C 100PF , 50V	
	C8031	F1G1C104A077	C 0.1UF , 16V	
	C8034	F1G1C104A077	C 0.1UF , 16V	
	C8035	F1G1C104A077	C 0.1UF , 16V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C8037	F1J1A106A087	C 10UF , 10V	
	C8038	F1G1H1020008	C 1000PF , 50V	
	C8039	F1J1A106A087	C 10UF , 10V	
	C8041	F1G1C104A077	C 0.1UF , 16V	
	C8042	F1J1A106A087	C 10UF , 10V	
	C8044	F1G1C104A077	C 0.1UF , 16V	
	C8045	F1G1H101A565	C 100PF , 50V	
	C8046	F1G1C104A077	C 0.1UF , 16V	
	C8047	F1G1C104A077	C 0.1UF , 16V	
	C8050	F1G1C104A077	C 0.1UF , 16V	
	C8051	F1G1C104A077	C 0.1UF , 16V	
	C8053	F1G1C104A077	C 0.1UF , 16V	
	C8054	F1G1C104A077	C 0.1UF , 16V	
	C8055	F1G1H1020008	C 1000PF , 50V	
	C8100	F1G1E682A123	C 6800PF , 25V	
	C8102	F1J1A475A087	C 4.7UF , 10V	
	C8104	F1H1C105A145	C 1UF , 16V	
	C8106	F1G1C223A081	C 0.022UF , 16V	
	C8108	F1G1C104A077	C 0.1UF , 16V	
	C8110	F1G1C104A077	C 0.1UF , 16V	
	C8112	F1K1E106A136	C 10UF , 25V	
	C8114	F1K1E106A136	C 10UF , 25V	
	C8116	F1K1E106A136	C 10UF , 25V	
	C8118	F1K1E106A136	C 10UF , 25V	
	C8120	F1J0G2260001	C 22UF , 4V	
	C8122	F1J0G2260001	C 22UF , 4V	
	C8124	F1J0G2260001	C 22UF , 4V	
	C8126	F1J0G2260001	C 22UF , 4V	
	C8128	F1J0G2260001	C 22UF , 4V	
	C8200	F1G1C104A077	C 0.1UF , 16V	
	C8203	F1G1C104A077	C 0.1UF , 16V	
	C8204	F1G1C104A077	C 0.1UF , 16V	
	C8205	F1G1C104A077	C 0.1UF , 16V	
	C8206	F1G1C104A077	C 0.1UF , 16V	
	C8207	F1J1A106A087	C 10UF , 10V	
	C8208	F1G1C104A077	C 0.1UF , 16V	
	C8210	F1G1C104A077	C 0.1UF , 16V	
	C8212	F1G1C104A077	C 0.1UF , 16V	
	C8215	F1G1C104A077	C 0.1UF , 16V	
	C8216	F1J1A106A087	C 10UF , 10V	
	C8218	F1G1C104A077	C 0.1UF , 16V	
	C8220	F1G1C104A077	C 0.1UF , 16V	
	C8221	F1G1C104A077	C 0.1UF , 16V	
	C8224	F1G1C104A077	C 0.1UF , 16V	
	C8225	F1G1C104A077	C 0.1UF , 16V	
	C8300	F1G1H6R0A732	C 6PF , 50V	
	C8301	F1G1H7R0A732	C 7PF , 50V	
	C8302	F1G1C104A077	C 0.1UF , 16V	
	C8303	F1G1C104A077	C 0.1UF , 16V	
	C8304	F1G1C104A077	C 0.1UF , 16V	
	C8305	F1G1A105A047	C 1UF , 10V	
	C8306	F1G1A105A047	C 1UF , 10V	
	C8307	F1G1A105A047	C 1UF , 10V	
	C8308	F1G1A105A047	C 1UF , 10V	
	C8309	F1G1A105A047	C 1UF , 10V	
	C8310	F1G1A105A047	C 1UF , 10V	
	C8311	F1G1A105A047	C 1UF , 10V	
	C8602	F1G1H390A565	C 39PF , 50V	
	C8603	F1J1A106A087	C 10UF , 10V	
	C8604	F1G1C104A077	C 0.1UF , 16V	
	C8605	F1G1C104A077	C 0.1UF , 16V	
	C8607	F1G1H100A565	C 100PF , 50V	
	C8608	F1G1H100A565	C 100PF , 50V	
	C8609	F1G1C104A077	C 0.1UF , 16V	
	C8611	F1G1C104A077	C 0.1UF , 16V	
	C8615	F1J1A106A087	C 10UF , 10V	
	C8616	F1J1A106A087	C 10UF , 10V	
	C8617	F1G1C104A077	C 0.1UF , 16V	
	C8619	F1G1C104A077	C 0.1UF , 16V	
	C8620	F1G1C104A077	C 0.1UF , 16V	
	C8627	F1G1C104A077	C 0.1UF , 16V	
	C8628	F1J1A106A087	C 10UF , 10V	
	C8629	F1G1H390A565	C 39PF , 50V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C8630	F1G1H220A565	C 22PF , 50V	
	C8644	F1G1C104A077	C 0.1UF , 16V	
	C8700	F1G1E1030005	C 0.01UF , 25V	
	C8702	F1K0J226A049	C 22UF , 6.3V	
	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	
	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	
	C8721	F1K1E106A136	C 10UF , 25V	
	C8722	F1K1E106A136	C 10UF , 25V	
	C8723	F1K1E106A136	C 10UF , 25V	
	C8724	F1K1E106A136	C 10UF , 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	
	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	
⚠	D7101	ERZV10V621C2	VARISTOR	
	D7202	B0ADCK000001	DIODE	
	D7203	B0JAME000126	DIODE	
	D7204	B0JAME000126	DIODE	
	D7205	B0HASR000018	DIODE	
	D7207	DZ2J068M0L	DIODE	
	D7208	DA2J10100L	DIODE	
	D7209	B0BC02500002	DIODE	
	D7302	B0HAGQ000001	DIODE	
	D7303	B0HAGQ000001	DIODE	
	D7313	DZ2J068M0L	DIODE	
	D7325	B0BC02500002	DIODE	
	D7326	DA2J10100L	DIODE	
	D7327	DA2J10100L	DIODE	
	D7328	DA2J10100L	DIODE	
	D7329	DA3X101F0L	DIODE	
	D7330	DA3X101F0L	DIODE	
	D7331	B0BC4R000002	DIODE	
	D7332	B0HAGQ000001	DIODE	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	D7333	B0JAME000126	DIODE	
	D7334	B0ADCK000001	DIODE	
	D7335	DZ2J180M0L	DIODE	
	D7336	B0BC03300012	DIODE	
	D7337	B0BC02500002	DIODE	
	D7338	B0BC02500002	DIODE	
	D7339	B0BC02500002	DIODE	
	D7341	B0BC02500002	DIODE	
	D7342	DA2J10100L	DIODE	
	D7343	DA2J10100L	DIODE	
	D7501	B0JBSL000047	DIODE	
	D7502	B0JBSL000047	DIODE	
	D7507	B0ADCK000001	DIODE	
	D7508	DA2J10100L	DIODE	
	D7600	B0JCEP000038	DIODE	
	D8716	DA2J10100L	DIODE	
	D8721	B0JCPG000030	DIODE	
		INTEGRATED CIRCUITS		
	IC3001	C1AB00003385	IC	
	IC4900	C1AB00003457	IC	
	IC5000	AN34043A-VF	IC	
	IC5416	C0DBGY000281	IC	
	IC5601	C0DBZY000368	IC	
	IC5602	C0DBZY000368	IC	
	IC7201	C0DBBY000033	IC	
	IC7301	C5HAZY000014	IC	
	IC7502	C0DBZMC00006	IC	
	IC7601	C0DBAY000922	IC	
	IC8000	MN2WS0175C	IC	
	IC8100	C0DBAY000715	IC	
	IC8200	C3ABTY000025	IC	
	IC8201	C3ABTY000025	IC	
	IC8601	C1CB00003491	IC	
	IC8700	C0DBAY000915	IC	
	IC8701	C0DBAY000915	IC	
	IC8702	C0DBAFG00029	IC	
	IC8706	C0DBGY000887	IC	
	IC8707	C0DBAY000462	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	
	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	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	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	
	L7201	J0JKB0000034	EMI FILTER	
	L7209	J0JKB0000034	EMI FILTER	
	L7302	J0JKB0000034	EMI FILTER	
	L7306	J0JKB0000034	EMI FILTER	
	L7502	J0JKA0000024	EMI FILTER	
	L7503	J0JKA0000024	EMI FILTER	
	L7504	J0JKA0000024	EMI FILTER	
	L7505	J0JKA0000024	EMI FILTER	
	L7600	G0C270MA0049	INDUCTOR	
	L8003	J0JCC0000287	COIL	
	L8005	J0JYC0000322	COIL	
	L8006	J0JYC0000322	COIL	
	L8007	J0JYC0000322	COIL	
	L8009	J0JJC0000021	BEAD CORE	
	L8015	J0JCC0000287	COIL	
	L8016	J0JCC0000287	COIL	
	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	B1ABCE000015	TRANSISTOR	
	Q2801	B1ABCE000015	TRANSISTOR	
	Q2802	B1ABCE000015	TRANSISTOR	
	Q3104	B1ABCE000015	TRANSISTOR	
	Q3105	B1ABCE000015	TRANSISTOR	
	Q4513	B1ADCF000194	TRANSISTOR	
	Q4514	B1HFCEA00001	TRANSISTOR	
	Q4700	B1ABCE000015	TRANSISTOR	
	Q4702	B1ABCE000015	TRANSISTOR	
	Q4709	B1ABCE000015	TRANSISTOR	
	Q4971	B1AABF000002	TRANSISTOR	
	Q4972	B1AABF000002	TRANSISTOR	
	Q4974	DSC2001S0L	TRANSISTOR	
	Q7202	B1HFCEA00020	TRANSISTOR	
	Q7301	B1ADCE000022	TRANSISTOR	
	Q7308	B1ADGJ000008	TRANSISTOR	
	Q7309	B1ABGF000019	TRANSISTOR	
	Q7310	B1ABCF000231	TRANSISTOR	
	Q7311	B1ABCF000231	TRANSISTOR	
	Q7312	B1ADCE000022	TRANSISTOR	
	Q7313	B1CBGD000001	TRANSISTOR	
	Q7314	B1ABCF000231	TRANSISTOR	
	Q7501	B1ABCF000231	TRANSISTOR	
	Q7502	B1ABCF000231	TRANSISTOR	
	Q7503	B1CHRE000008	TRANSISTOR	
	Q7504	B1CHRE000008	TRANSISTOR	
	Q7506	B1CHRE000008	TRANSISTOR	
	Q7507	B1ABCF000231	TRANSISTOR	
	Q8100	B1MBEDA00027	TRANSISTOR	
	Q8102	B1MBEDA00027	TRANSISTOR	
		RESISTORS		
	R0800	D0GA472JA023	C 4.7KOHM ,J, 1/16W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	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	
	R2001	D0GAR00J0005	C 0OHM ,J, 1/8W	
	R2003	D0GBR00J0004	C 0OHM ,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	
	R2020	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R2752	D0GDR00J0004	C 0OHM ,J, 1/8W	
	R2753	D0GDR00J0004	C 0OHM ,J, 1/8W	
	R2772	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R2800	D1BA9530A014	C 953OHM , 1/8W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	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 0OHM ,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 0OHM ,J, 1/16W	
	R3225	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R3226	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R3227	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R3228	D0GAR00J0005	C 0OHM ,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	0OHM , 1/10W	
	R4001	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R4024	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4025	EXB28V103JX	10KOHM ,J, 1/10W	
	R4027	EXB28V103JX	10KOHM ,J, 1/10W	
	R4029	EXB28VR000X	0OHM , 1/10W	
	R4034	EXB28VR000X	0OHM , 1/10W	
	R4035	EXB28VR000X	0OHM , 1/10W	
	R4048	EXB28VR000X	0OHM , 1/10W	
	R4049	EXB28VR000X	0OHM , 1/10W	
	R4059	EXB28VR000X	0OHM , 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R4060	EXB28VR000X	0OHM , 1/10W	
	R4061	EXB28VR000X	0OHM , 1/10W	
	R4062	EXB28VR000X	0OHM , 1/10W	
	R4080	D0GAR00Z0001	C 0OHM ,J, 1/16W	
	R4082	ERJ6GEY0R00V	C 0OHM ,J, 1/16W	
	R4084	D0GAR00Z0001	C 0OHM ,J, 1/16W	
	R4086	D0GAR00Z0001	C 0OHM ,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 0OHM ,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 0OHM ,J, 1/16W	
	R4806	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R4807	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R4845	EXB28VR000X	0OHM , 1/10W	
	R4846	EXB28VR000X	0OHM , 1/10W	
	R4848	D0GAR00Z0001	C 0OHM ,J, 1/16W	
	R4849	D0GAR00Z0001	C 0OHM ,J, 1/16W	
	R4853	D0GAR00Z0001	C 0OHM ,J, 1/16W	
	R4854	D0GAR00Z0001	C 0OHM ,J, 1/16W	
	R4857	EXB28VR000X	0OHM , 1/10W	
	R4858	EXB28VR000X	0OHM , 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 ,J, 1/8W	
	R4916	D0GF3R3JA048	C 3.3OHM ,J, 1/8W	
	R4917	D0GF3R3JA048	C 3.3OHM ,J, 1/8W	
	R4918	D0GF3R3JA048	C 3.3OHM ,J, 1/8W	
	R4919	D0GFR00J0005	C 0OHM ,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	
	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	

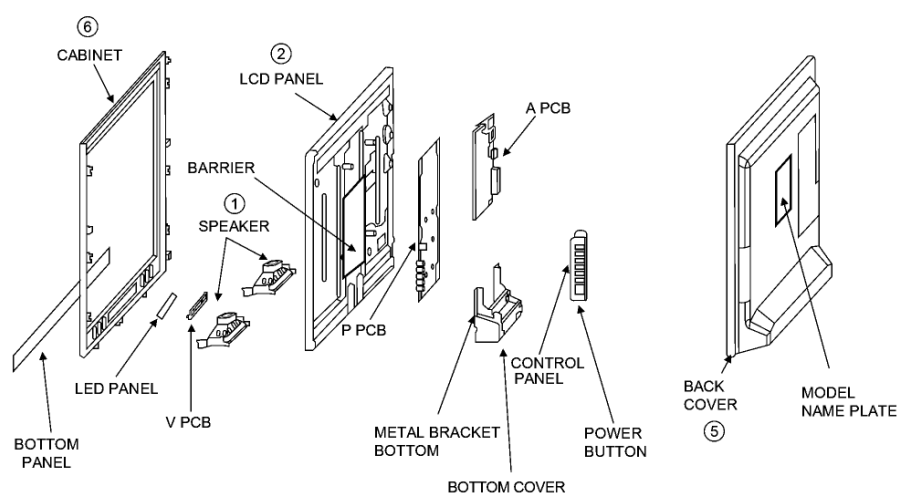
Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R5104	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R5152	D0GA222JA023	C 2.2KOHM ,J, 1/16W	
	R5173	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R5175	D0GA680JA023	C 68OHM ,J, 1/16W	
	R5176	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R5178	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R5179	D0GA153JA023	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	
⚠	R7104	ERC12ZGK225	S 2.2MOHM , 1/2W	
	R7105	D0B1106JA033	10MOHM ,J, 1W	
	R7201	ERX1SJR22	10MOHM ,J, 1W	
	R7202	ERX1SJR22	0.22OHM ,J, 1W	
	R7203	D0GD683JA052	0.22OHM ,J, 1W	
	R7205	D0AF391JA112	C 68KOHM ,J, 1/8W	
	R7206	D0GD393JA052	C 39KOHM ,J, 1/8W	
	R7207	D0GD470JA052	47OHM ,J, 1/8W	
	R7208	D0AF220JA112	22OHM ,J, 1/2W	
	R7209	D0GD104JA052	C 100KOHM ,J, 1/8W	
	R7210	ERX1SJR22	0.22OHM ,J, 1W	
	R7215	D1BD1202A066	C 1KOHM ,J, 1/8W	
	R7216	D1BD3302A066	C 33KOHM ,J, 1/8W	
	R7219	D1BD7503A066	C 750KOHM , 1/8W	
	R7221	D0GD683JA052	C 68KOHM ,J, 1/8W	
	R7231	D0GD104JA052	C 22KOHM ,J, 1/8W	
	R7232	D0GD472JA052	C 4.7KOHM ,J, 1/8W	
	R7233	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R7234	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R7235	D1BD4701A066	C 4.7KOHM ,J, 1/8W	
	R7240	ERJ8ENF1504	C 1.5MOHM ,J, 1/4W	
	R7241	ERJ8ENF1504	C 1.5MOHM ,J, 1/4W	
	R7242	ERJ8ENF1504	C 1.5MOHM ,J, 1/4W	
	R7243	D1BD6803A066	C 680KOHM ,J, 1/8W	
	R7244	D1BD5102A066	C 5.1KOHM ,J, 1/8W	
	R7301	D0GD223JA052	C 22KOHM ,J, 1/8W	
	R7302	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R7303	D0GD470JA052	47OHM ,J, 1/8W	
	R7305	D1BD1803A066	C 180KOHM ,J, 1/8W	
	R7313	D1BD1803A066	C 180KOHM ,J, 1/8W	
	R7314	D1BD1203A066	C 120KOHM ,J, 1/8W	
	R7330	D0GDR00J0004	C 0OHM ,J, 1/8W	
	R7331	D0GD301JA052	C 300OHM ,J, 1/8W	
	R7332	ERJ12YJ474U	470KOHM ,J, 1/2W	
	R7333	ERJ12YJ474U	470KOHM ,J, 1/2W	
	R7353	D0GD301JA052	C 300OHM ,J, 1/8W	
	R7354	D0GD113JA052	C 11KOHM ,J, 1/8W	
	R7355	D0GD100JA052	C 10OHM ,J, 1/8W	
	R7356	D0GD301JA052	C 300OHM ,J, 1/8W	
	R7357	D0GD104JA052	C 100KOHM ,J, 1/8W	
	R7358	D0AF222JA112	2.2KOHM ,J, 1/2W	
	R7359	D0GD104JA052	C 100KOHM ,J, 1/8W	
	R7360	ERX1SJR22	1OHM ,J, 1W	
	R7361	D0GD105JA052	C 1MOHM ,J, 1/8W	
	R7362	D0GD821JA052	C 820OHM ,J, 1/10W	
	R7364	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R7365	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R7367	D0GD152JA052	C 1.5KOHM ,J, 1/8W	
	R7376	D0GD223JA052	C 22KOHM ,J, 1/8W	
	R7377	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R7380	ERX1SJR22	0.22OHM ,J, 1W	
	R7381	ERX1SJR22	0.22OHM ,J, 1W	
	R7387	D0GD152JA052	C 1.5KOHM ,J, 1/8W	
	R7388	D0GD162JA052	C 1.6KOHM ,J, 1/8W	
	R7389	D0GD162JA052	C 1.6KOHM ,J, 1/8W	
	R7392	D0GD392JA052	C 3.9KOHM ,J, 1/8W	
	R7393	D0GD101JA052	C 100OHM ,J, 1/8W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R7394	D0GD101JA052	C 100OHM ,J, 1/8W	
	R7395	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R7396	ERJ8ENF2204	C 2.2MOHM ,J, 1/4W	
	R7397	ERJ8ENF2204	C 2.2MOHM ,J, 1/4W	
	R7398	ERJ8ENF2204	C 2.2MOHM ,J, 1/4W	
	R7399	ERJ8ENF2204	C 2.2MOHM ,J, 1/4W	
	R7501	D0GD102JA052	C 1KOHM ,J, 1/16W	
	R7502	D0GD102JA052	C 1KOHM ,J, 1/16W	
	R7503	D0GD472JA052	C 4.7KOHM ,J, 1/8W	
	R7504	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R7505	D0GD222JA052	C 2.2KOHM ,J, 1/8W	
	R7513	D1BD3321A066	C 3.32KOHM ,J, 1/8W	
	R7514	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R7515	D1BD1822A066	C 18.2KOHM , 1/8W	
	R7516	D0GD683JA052	C 68KOHM ,J, 1/8W	
	R7517	D0GD153JA052	15KOHM ,J, 1/8W	
	R7518	D0GD124JA052	C 120KOHM ,J, 1/8W	
	R7519	D0GD153JA052	15KOHM ,J, 1/8W	
	R7524	D0GD473JA052	C 47KOHM ,J, 1/8W	
	R7527	D0GD153JA052	15KOHM ,J, 1/8W	
	R7528	D0GD153JA052	15KOHM ,J, 1/8W	
	R7529	D0GD472JA052	C 4.7KOHM ,J, 1/8W	
	R7530	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R7531	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R7532	D0GD103JA052	C 10KOHM ,J, 1/8W	
	R7535	D0GD473JA052	C 47KOHM ,J, 1/8W	
	R7600	D0GD473JA052	C 47KOHM ,J, 1/8W	
	R7601	D0GD105JA052	C 1MOHM ,J, 1/8W	
	R7603	D1BD7872A066	78.7KOHM , 1/8W	
	R7604	D1BD2212A066	C 22.1KOHM , 1/8W	
	R7605	D0GD473JA052	C 47KOHM ,J, 1/8W	
	R7606	D0GD683JA052	C 68KOHM ,J, 1/8W	
	R8001	D0GA331JA023	C 330OHM ,J, 1/16W	
	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	
	R8110	D0GB100JA065	C 10OHM ,J, 1/10W	
	R8114	D0GA243JA023	C 24KOHM ,J, 1/16W	
	R8118	D0GA183JA023	C 18KOHM ,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	
	R8217	D0GA221JA023	C 220OHM ,J, 1/16W	
	R8218	D0GA221JA023	C 220OHM ,J, 1/16W	
	R8219	D1BA2400A023	C 240OHM ,J, 1/16W	
	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	
	R8301	D0GA681JA023	680OHM ,J, 1/16W	
	R8302	D0GA360JA023	C 36OHM ,J, 1/16W	
	R8303	D0GA360JA023	C 36OHM ,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	
	R8438	EXB2HV103JV	10KOHM ,J, 1/10W	
	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	

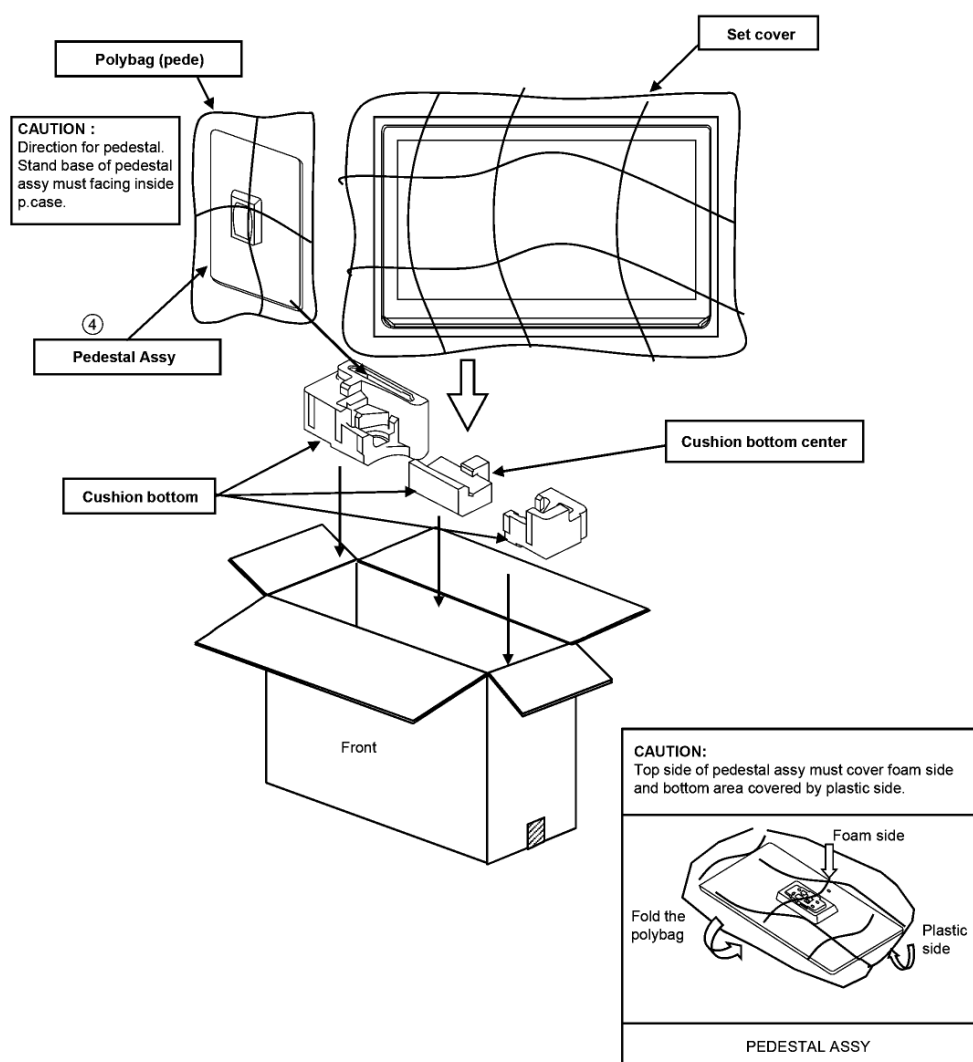
Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R8624	D0GA560JA023	C 56OHM ,J, 1/16W	
	R8625	D0GA560JA023	C 56OHM ,J, 1/16W	
	R8626	D0GA560JA023	C 56OHM ,J, 1/16W	
	R8627	D0GA560JA023	C 56OHM ,J, 1/16W	
	R8628	D0GA560JA023	C 56OHM ,J, 1/16W	
	R8629	D0GA560JA023	C 56OHM ,J, 1/16W	
	R8630	D1HG1038A002	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	
	R8640	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R8641	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R8642	D0GBR00J0004	C 0OHM ,J, 1/16W	
	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	
	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	
	R8700	D1BB2402A055	C 24KOHM ,J, 1/16W	
	R8701	D1BB6041A055	C 6.04KOHM ,J, 1/16W	
	R8702	D0GA390JA023	C 39OHM ,J, 1/16W	
	R8703	D1BB4301A055	C 4.3KOHM , 1/16W	
	R8704	D1BB2002A055	C 20KOHM ,J, 1/8W	
	R8705	D1BB3001A055	C 3KOHM , 1/16W	
	R8706	D0GA390JA023	C 39OHM ,J, 1/16W	
	R8707	D1BB5601A055	C 5.6KOHM ,J, 1/16W	
	R8709	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R8710	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R8711	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R8755	D0GA104JA023	C 100KOHM ,J, 1/16W	
	R8756	D0GA101JA023	C 100OHM ,J, 1/16W	
	R8767	D0GAR00J0005	C 0OHM ,J, 1/16W	
	R8769	D1BB4642A055	C 46.4KOHM , 1/16W	
	R8770	D1BB3301A055	C 3.3KOHM , 1/8W	
	R8771	D0GA390JA023	C 39OHM ,J, 1/16W	
	R8772	D1BB2201A055	C 2.2KOHM ,J, 1/16W	
	R8773	D0GA2R2JA023	2.2OHM ,J, 1/16W	
	R8858	D0GA103JA023	C 10KOHM ,J, 1/16W	
	R8859	D0GA103JA023	C 10KOHM ,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	
	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	
	R8924	EXB28V680JX	68OHM ,J, 1/10W	
	R8925	EXB28V680JX	68OHM ,J, 1/10W	
	R8965	EXB28V103JX	68OHM ,J, 1/10W	
		TRANSFORMERS		
△	T7201	G4DYA0000289	TRANSFORMER	
△	T7301	G4DYA0000284	TRANSFORMER	
		OTHERS		
	A02	K1KY04AA0719	CONNECTOR	
	A09	K1KY15BA0324	CONNECTOR	
	A10	K1KY07AA0719	CONNECTOR	
	A12	K1KA04AA0190	CONNECTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	A15	K1KB51B00003	CONNECTOR	
△	CF7101	D4CAY8R20001	THERMISTOR	
△	CF7102	D4CAY8R20001	THERMISTOR	
	CN0100	K1KA14A00248	CONNECTOR	
△	F7101	K5D502BNA005	FUSE	
	F7101-1	K3GE1ZZ00001	FUSE HOLDER	
	F7101-2	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	
	JK1000	K1FY119D0015	CONNECTOR	
	JK1001	K1FY119D0015	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	
	JS0026	D0GAR00J0005	CHIP RESISTOR	
	JS7502	D0GDR00J0004	CHIP RESISTOR	
	JS7503	D0GDR00J0004	CHIP RESISTOR	
	KA10	K1KA07B00135	CONNECTOR	
	LF7101	G0B650H00002	CHOKE COIL	
△	LF7102	G0B103H00010	LINE FILTER	
△	LF7103	G0B103H00010	LINE FILTER	
	P1	K1KA02B00295	CONNECTOR	
	P2	K1KY16BA0311	CONNECTOR	
	P4	K1KA14BA0311	CONNECTOR	
△	PA7503	K5H502YA0063	FUSE	
△	PA7504	K5H502YA0063	FUSE	
△	PA7601	K5H502YA0063	FUSE	
	PC7301	B3PAA0000363	PHOTO COUPLER	
	PC7302	B3PAA0000363	PHOTO COUPLER	
	PC7303	B3PAA0000363	PHOTO COUPLER	
	RM2800	PNJ4815M01TV	REMOCON SENSOR	
	SN2800	B3JB00000078	PHOTO DETECTOR	
△	TU4800A	ENGS7302D5F	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	
	ZA0054	K4ZZ01000267	SHIELD CHIP	
	ZA055	K4ZZ01000267	SHIELD CHIP	
	ZA056	K4ZZ01000267	SHIELD CHIP	
	ZA057	K4ZZ01000267	SHIELD CHIP	
	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	
	ZA7001	K4AD01A00003	TERMINAL	
	ZA7003	K4AD01A00003	TERMINAL	
	ZA8800	K4AD01D00008	TERMINAL	
	ZA8801	K4AD01D00008	TERMINAL	
	ZA8802	K4AD01D00008	TERMINAL	
	ZA8803	K4AD01D00008	TERMINAL	

Model No. : TH-L42E3R Parts Location

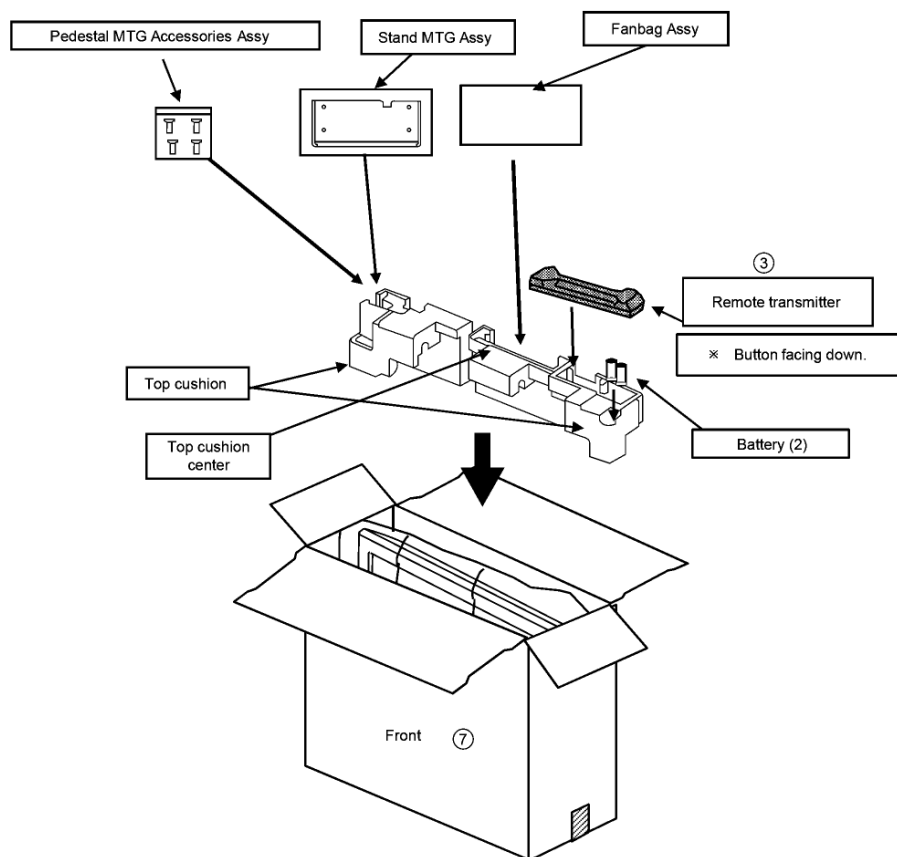


Model No. : TH-L42E3R Packing Exploded View 1



Model No. : TH-L42E3R Packing Exploded View 2

Put Remote transmitter, battery, accessories ass'y and L Stand Mtg Assy at Top Cushion.



Model No. : TH-L42E3R Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		K2CQ2YY00090	AC CORD		
	1	L0AA16C00010	SPEAKER		
	2	L5EDDYY00248	LCD PANEL		
	3	N2QAYB000604	REMOTE TRANSMITTER		
	4	TBL5ZX0113	PEDESTAL ASSY		
		TBL5ZX0188	STAND MOUNTING ASSY		
		TBM4GC674	MODEL NAME PLATE		
		THE4GJ001J	SCREW		
		THEJ036J	SCREW		
		THEJ0389	SCREW		
		THTD029J	SCREW		
		TKP4GA06402	SIDE AV BRACKET		
		TKP4GA06901	LED PANEL		
		TKX4GA04901	SP BRACKET		
		TKX4GA05001	SP BRACKET		
		TPD4GA0204	TOP CUSHION		
		TPD4GA0205	TOP CENTER CUSHION		
		TPD4GA0206	BOTTOM CUSHION L		
		TPD4GA0207	BOTTOM CENTER CUSHION		
		TPE4GH033	SET COVER		
		TQZ4GB462	FAN BAG ASSY		
	5	TTU4GA0586	BACK COVER ASSY		
	6	TTY4GA0217	CABINET ASSY		
	7	TXFPC01MNUR	PACKING CASE ASSY		
		TXJ620LWUH	LVDS CABLE		
		XSS4+16FJK	SCREW		
		XTB4+15JFJ	SCREW		
		XTV3+10GFJK	SCREW		
		XTV3+8JFJ	SCREW		
		XTW3+10TFJ	SCREW		
		XYC3+FJ8FJ	SCREW		
		XYN3+C8FJ	SCREW		
		XYN4+F30FJK	SCREW		
Electrical Replacement Part List					
	RTL	TZT/A1MNUR	A PRINT ASSY		
	RTL	TNPA5364BB	POWER BOARD		
	RTL	TNPA5378BA	KA PRINT		