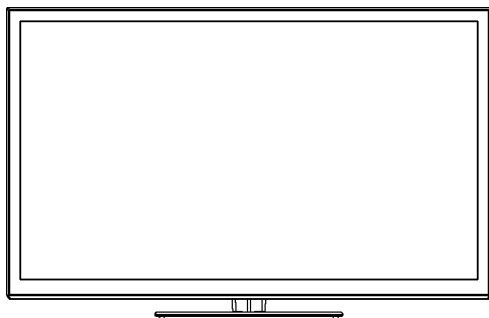


Service Manual

47 inch Class 1080p LCD HDTV

Model No. **TC-L47ET5**

LA35 Chassis



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 Fasten 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.

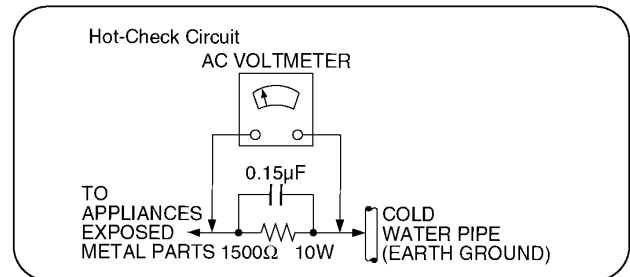


Figure 1

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).

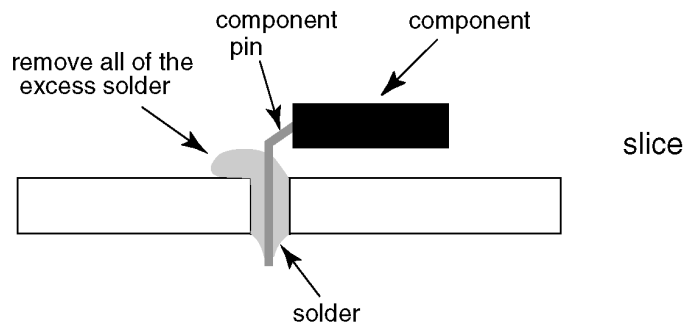
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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.

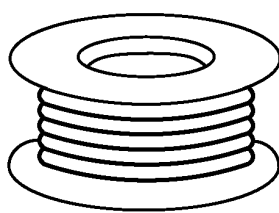
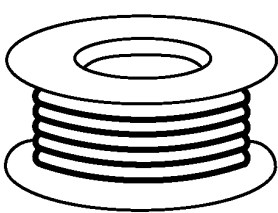
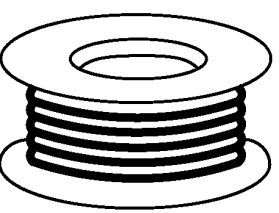
Caution

- 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)



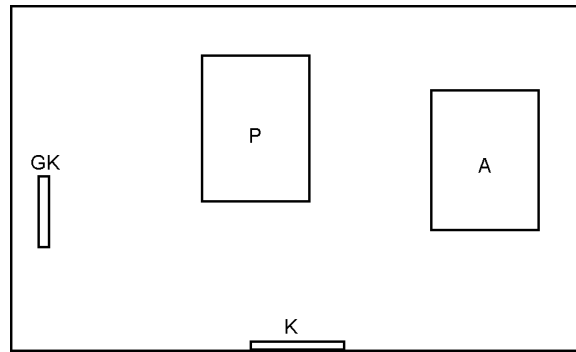
Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

3 Service Navigation

3.1. PCB Layout



Board Name	Function
A-Board	Main
K-Board	Remote Receiver, LED, Cat's eye
P-Board	Power supply
GK-Board	Power switch, Control Button

4 Specifications

Power Source	AC 110-127 V, 60 Hz
Power Consumption	
Rated Power	128 W
Standby Power	0.1 W
Display Panel	
Panel System	LCD panel (LED backlight)
Screen size	47 inch class (47.0 inches measured diagonally)
W × H × Diagonal	40.9 inch × 23.0 inch × 47.0 inch (1,040 mm × 585 mm × 1,193 mm)
Number of pixels	1,920 × 1,080
Speaker Output	20 W [10 W + 10 W] (10 % THD)
Channel Capability (Digital/Analog)	VHF/ UHF: 2 - 69, CATV: 1 - 135
Operating Conditions	Temperature: 32 °F - 95 °F (0 °C - 35°C) Humidity: 20 % - 80 % RH (non-condensing)
Connection Terminals	
VIDEO IN	RCA PIN (VIDEO, AUDIO-L, AUDIO-R)
COMPONENT IN	RCA PIN (Y, PB, PR, AUDIO-L, AUDIO-R)
HDMI IN 1/2/3/4	TYPE A Connector (supports [HDAVI Control 5] function)
USB 1/2	USB 2.0 Type A connector
PC IN	D-SUB 15PIN (VGA, SVGA, XGA, WXGA, SXGA)
DIGITAL AUDIO OUT	PCM / Dolby Digital, Fiber Optic
OTHERS	SD CARD slot, ETHERNET (10BASE-T/100BASE-TX)
Dimensions (W × H × D)	
Including pedestal	43.6 inch × 28.1 inch × 10.6 inch (1,107 mm × 712 mm × 268 mm)
TV Set only	43.6 inch × 26.2 inch × 2.1 inch (1,107 mm × 666 mm × 52 mm)
Mass	
Including pedestal	45.2 lb. (20.5 kg) NET
TV Set only	37.5 lb. (17.0 kg) NET

■ Wireless LAN

Standard Compliance and Frequency Range*1,*2	IEEE802.11n / IEEE802.11a: 5.150GHz - 5.850 GHz IEEE802.11g / IEEE802.11b / IEEE802.11n: 2.400 GHz - 2.4835 GHz
Access Mode	Infrastructure mode
Security	WPA2-PSK (TKIP/AES) WAP-PSK (TKIP/AES) WEP (64bit/128bit)

*1 The frequency and channel differ depending on the country.

*2 802.11b/g/n CH1 ~ CH11 only use for North America and Canada.

■ 3D Eyewear

Lens type	Circularly-polarized filter
Operating Conditions	Temperature : 32 °F - 104 °F (0 °C - 40 °C)
Materials	Main body: Resin Lens section: Resin
Dimensions (W × H × Overall length)	5.87 inch × 1.74 inch × 6.74 inch (149.0 mm × 44.0 mm × 171.0 mm)
Mass	Approx. 0.64 oz (Approx. 18 g)
• Use Panasonic 3D Eyewear supporting passive 3D system technology.	

Note

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

5 Technical Descriptions

5.1. Specification of KEY for DTCP-IP, WMDRM and Widevine

5.1.1. General information:

1. EEPROM (IC8902) for spare parts has the seed of KEY for each DTCP-IP for DLNA, WMDRM for Netflix and Widevine for CinemaNow.
2. The final KEY data will be generated by Peaks IC (IC8000) when SELF CHECK was done and are stored in both Peaks IC (IC8000) and EEPROM (IC8902).

5.1.2. Replacement of ICs:

When Peaks IC is replaced, EEPROM should be also replaced with new one the same time.

When EEPROM is replaced, Peaks IC is not necessary to be replaced the same time.

After the replacement of IC, SELF CHECK should be done to generate the final KEY data.

How to SELF CHECK: While pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

TV will be forced to the factory shipment setting after this SELF CHECK.

6 Service Mode

6.1. How to enter into Service Mode

6.1.1. Purpose

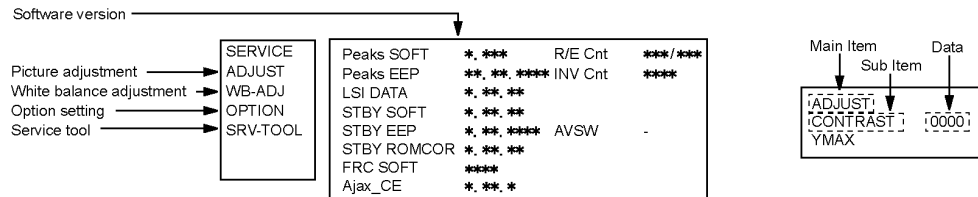
After exchange parts, check and adjust the contents of adjustment mode.

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

Note:

Service Mode can not be entered when 3D signal input.

Input 2D signal to enter Service Mode.



6.1.2. Key command

[1] button...Main items Selection in forward direction

[2] button...Main items Selection in reverse direction

[3] button...Sub items Selection in forward direction

[4] button...Sub items Selection in reverse direction

[VOL] button...Value of sub items change in forward direction (+), in reverse direction (-)

6.1.3. How to exit

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

6.1.4. 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	Remark
ADJUST	CONTRAST	000	
	COLOR	50	
	TINT	00	
	SUB-BRT	800	
	BACKLGT	086	
	B-Y-G	40	
	R-Y-A	00	
	V COM	000	
WB-ADJ	R-GAIN	80	
	G-GAIN	6C	
	B-GAIN	5E	
	R-CENT	77	
	G-CENT	80	
OPTION	B-CENT	89	Factory Preset.
	Boot	SD	
	STBY-SET	00	
	EMERGENCY	ON	
	CLK MODE	00	
	CLOCK	045	
SRV-TOOL	EDID-CLK	HIGH	See next.
		00	

6.2. SRV-TOOL

6.2.1. 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:0200b108	
Display of Flash ROM maker code →	Flash ROM : AD - DC	
Display of SOS History →	PTCT : 00 . 00 . 00 . 00 . 00	Time 000040:40 Count 0000049

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

6.2.2. 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].

6.2.3. POWER ON TIME/COUNT

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

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.

6.2.4. Exit

1. Disconnect the AC cord from wall outlet.

6.3. Hotel mode

1. Purpose

Restrict a function for hotels.

2. Access command to the Hotel mode setup menu

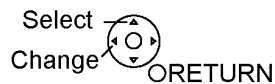
In order to display the Hotel mode setup menu:

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

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

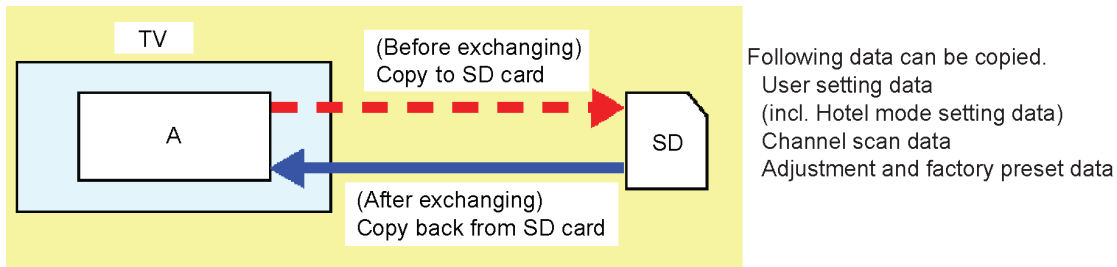
Item	Function
Mode	Select hotel mode off/on
Input	Select input signal modes. Set the input, when each time power is switched on. Selection: -, RF, HDMI1, HDMI2, HDMI3, HDMI4, Comp./Video, PC • OFF: give priority to a last memory.
Channel	Select channel when input signal is RF. Set the channel, each time 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.

6.4. Data Copy by SD Card

6.4.1. Purpose

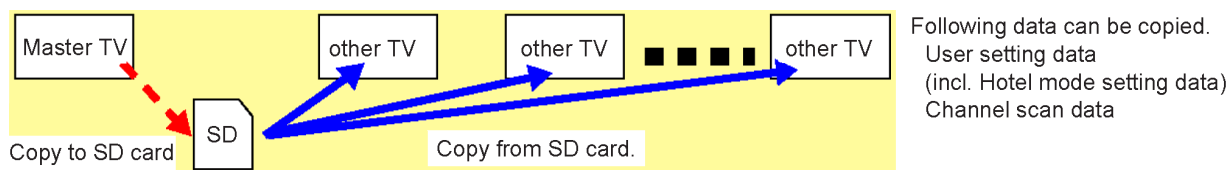
(a) Board replacement (Copy the data when exchanging A-board):

When exchanging A-board, the data in original A-board can be copied to SD card and then copy to new A-board.



(b) Hotel (Copy the data when installing a number of units in hotel or any facility):

When installing a number of units in hotel or any facility, the data in master TV can be copied to SD card and then copy to other TVs.



6.4.2. Preparation

Make pwd file as startup file for (a) or (b) in a empty SD card.

1. Insert a empty SD card to your PC.
2. Right-click a blank area in a SD card window, point to New, and then click text document. A new file is created by default (New Text Document.txt).
3. Right-click the new text document that you just created and select rename, and then change the name and extension of the file to the following file name for (a) or (b) and press ENTER.

File name:

- (a) For Board replacement : boardreplace.pwd
- (b) For Hotel : hotel.pwd

Note:

- Please make only one file to prevent the operation error.
- No any other file should not be in SD card.

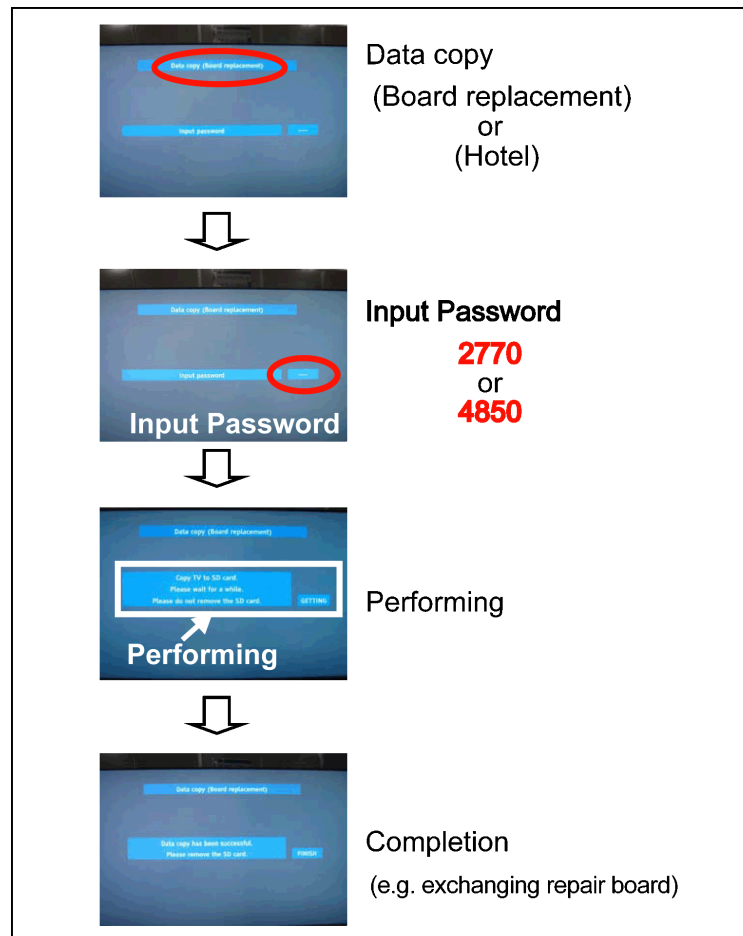
6.4.3. Data copy from TV set to SD Card

1. Turn on the TV set.
2. Insert SD card with a startup file (pwd file) to SD slot.
On-screen Display will be appeared according to the startup file automatically.
3. Input a following password for (a) or (b) by using remote control.
 - (a) For Board replacement : 2770
 - (b) For Hotel : 4850Data will be copied from TV set to SD card.
It takes around 2 to 6 minutes maximum for copying.
4. After the completion of copying to SD card, remove SD card from TV set.
5. Turn off the TV set.

Note:

Following new folder will be created in SD card for data from TV set.

- (a) For Board replacement : user_setup
- (b) For Hotel : hotel

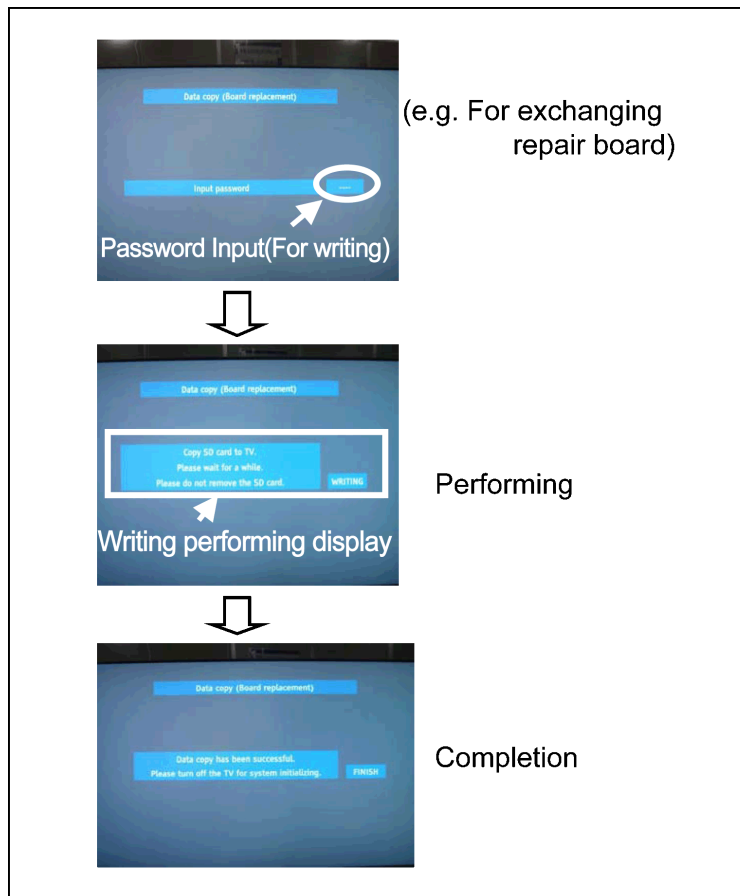


6.4.4. Data copy from SD Card to TV set

1. Turn on the TV set.
2. Insert SD card with Data to SD slot.
On-screen Display will be appeared according to the Data folder automatically.
3. Input a following password for (a) or (b) by using remote control.
(a) For Board replacement : 2771
(b) For Hotel : 4851
Data will be copied from SD card to TV set.
4. After the completion of copying to SD card, remove SD card from TV set.
(a) For Board replacement : Data will be deleted after copying (Limited one copy).
(b) For Hotel : Data will not be deleted and can be used for other TVs.
5. Turn off the TV set.

Note:

1. Depending on the failure of boards, function of Data copy for board replacement does not work.
2. This function can be effective among the same model numbers.



7 Troubleshooting Guide

Use the self-check function to test the unit.

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

7.1. Check of the IIC bus lines

7.1.1. 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.

7.1.2. Exit

Disconnect the AC cord from wall outlet.

7.1.3. Screen display

SELF CHECK		***-**-****
PEAKS	OK	
TUN	OK	
MEM1	OK	
MEM2	OK	
FRC	OK	
ID	OK	
HDMI-SW	OK	
WiFi	OK	
		ROMCORR.CHECKSUM: **
Copyright Panasonic Corporation 2012		

7.1.4. Check Point

Confirm the following parts if NG was displayed.

DISPLAY	Check Ref. No.	Description	Check Point
PEAKS	IC8000	PEAKS	A-Board
TUN	TU6706	TUNER	A-Board
MEM1	IC8902	PEAKS EEPROM	A-Board
MEM2	IC8900	NAND FLASH	A-Board
FRC	IC9100	FRC	A-Board
ID		ID	
HDMI-SW	IC4700	HDMI-SW	A-Board
WiFi	IC8000,A20	WiFi	A-Board/WiFi

7.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinks of the Power LED on the front panel of the unit.

Blinking Times	Contents	Check point
1	BACK LIGHT SOS	LCD PANEL P-Board
3	IROM BOOT PROGRAM SOS	A-Board P-Board
7	SUB 3.3V SENSE SOS	A-Board
8	SOS (T-CON power)	A-Board
9	SOUND SOS	A-Board Speaker
10	ZWEI/FRC SOS	A-Board
12	BE SOS	A-Board
13	EMERGENCY SOS	A-Board
20	2nd BOOT PROGRAM SOS (Watchdog timer over flow)	A-Board
21	2nd BOOT PROGRAM SOS (System error)	A-Board
22	2nd BOOT PROGRAM SOS (Main system bus freeze)	A-Board
23	2nd BOOT PROGRAM SOS (Accidental interrupt signal)	A-Board
24	2nd BOOT PROGRAM SOS (NAND Flash memory data transfer error shut down)	A-Board
25	2nd BOOT PROGRAM SOS (Unsupported NAND Flash memory)	A-Board

7.3. LCD Panel test mode

Purpose:

To find the possible failure point where in LCD Panel or Printed Circuit Board when the abnormal picture is displayed.

How to Enter:

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

How to Exit:

Disconnect AC plug from wall outlet.

How to confirm:

If the abnormal picture is displayed, go into LCD Panel test mode to display the several test patterns.

And then, judge by the following method.

Still abnormal picture is displayed: The cause must be in LCD Panel.

Normal picture is displayed: The cause must be in A board.

Remarks:

The test pattern is created by the circuit in LCD Panel.

In LCD Panel test mode, this test pattern is displayed unaffected by signal processing for RF or input signal.

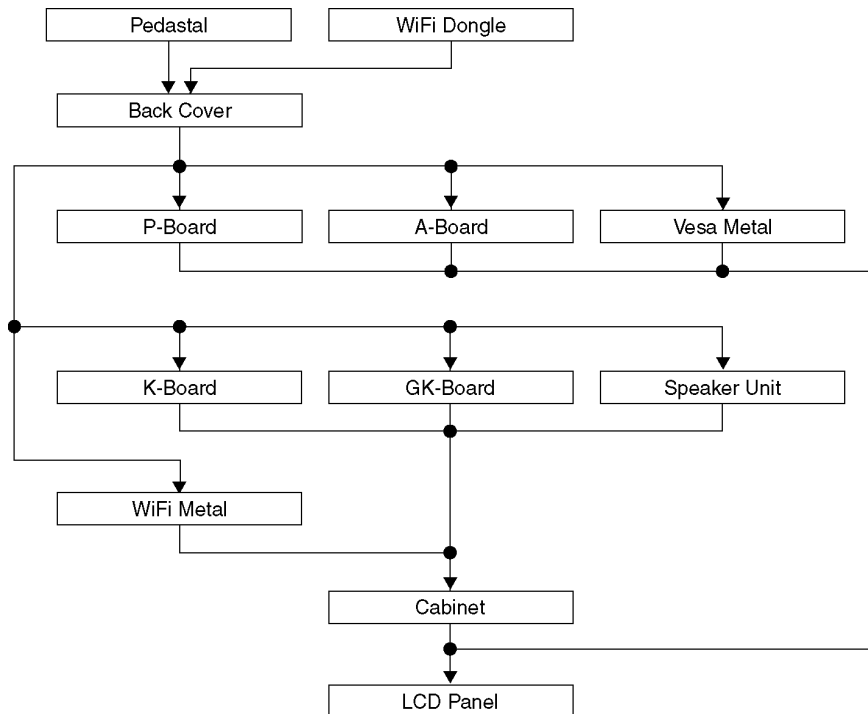
If the normal picture is displayed, LCD Panel must be okay and the cause of failure must be in A board.

8 Disassembly and Assembly Instructions

8.1. Disassembly Flow Chart for the Unit

This is a disassembly chart.

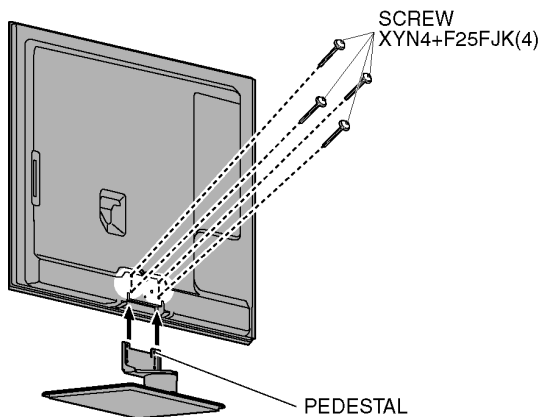
When assembling, perform this chart conversely.



8.2. Disassembly Procedure for the Unit

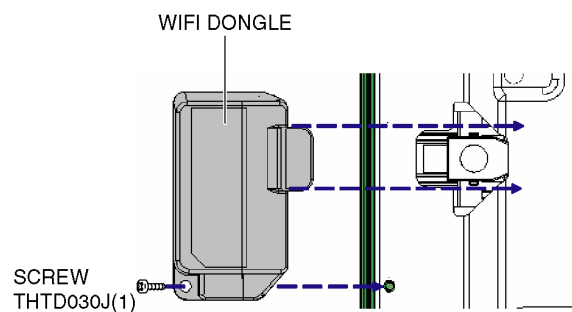
8.2.1. Pedestal

1. Lay down the unit so that the rear cover faces upward.
2. Remove the 4 screws.
3. Remove the pedestal.



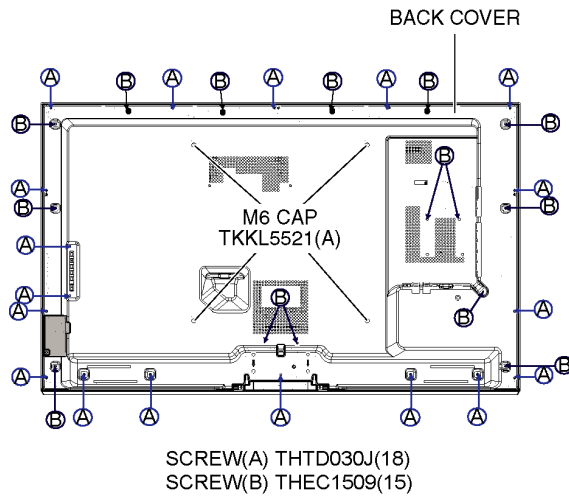
8.2.2. WiFi dongle

1. Remove the 1 screw.
2. Remove the WiFi Dongle.



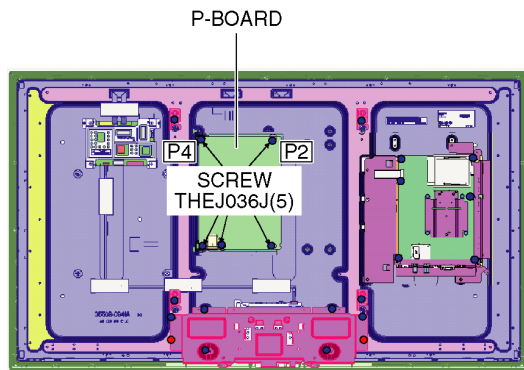
8.2.3. Back cover

1. Remove the 18 screws (A).
2. Remove the 15 screws (B).
3. Remove the 4 M6 CAPs.
4. Remove the Back cover.

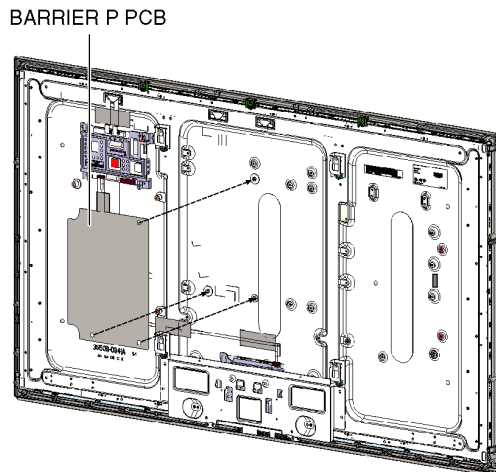


8.2.4. P-Board

1. Remove the 5 screws.
2. Disconnect the connectors (P2 and P4).
3. Remove the P-Board.

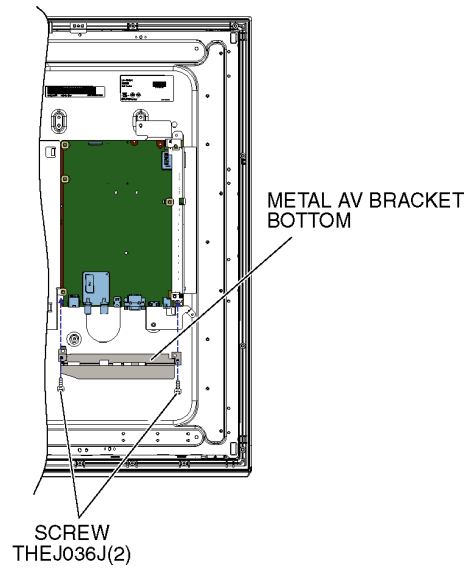


4. Remove the Barrier P PCB.

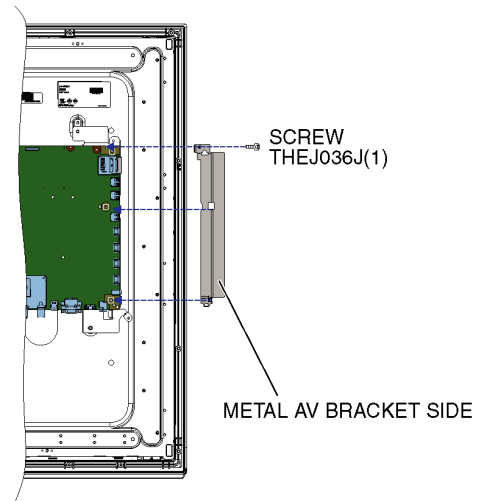


8.2.5. A-Board

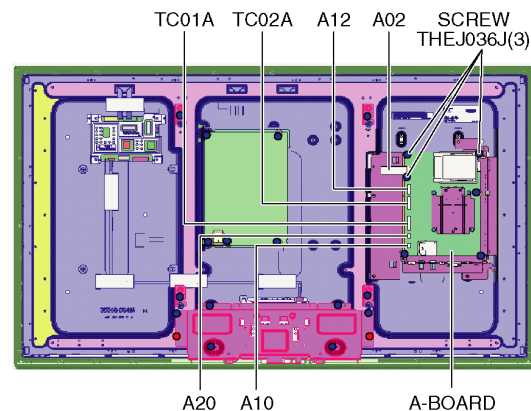
1. Remove the 2 screws.
2. Remove the metal AV bracket bottom.



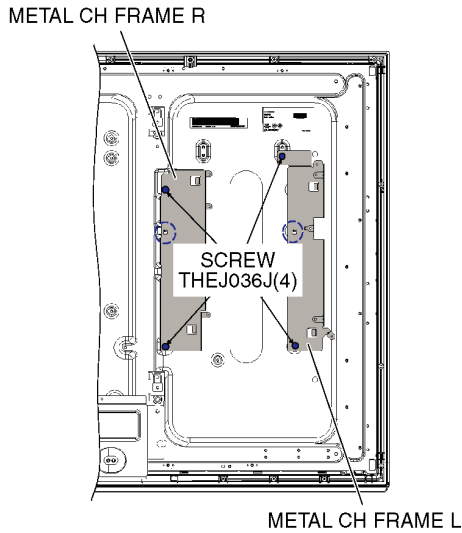
3. Remove the 1 screw.
4. Remove the metal AV bracket side.



5. Remove the 3 screws.
6. Disconnect the connectors (A02, A10, A12, A20, TC01A and TC02A).
7. Remove the A-Board.

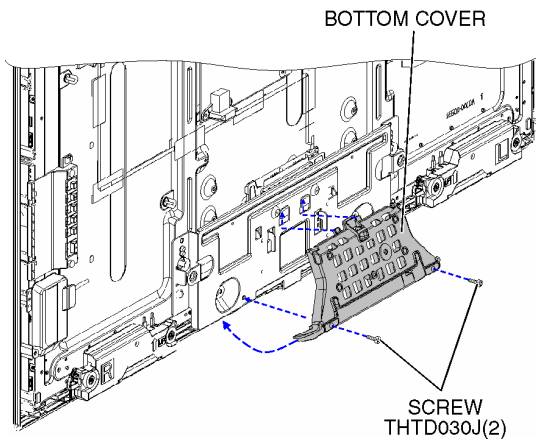


8. Remove the 4 screws.
9. Remove the metal CH frame L/R.

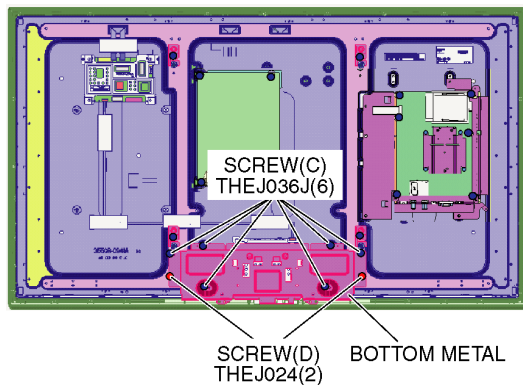


8.2.6. K-Board

1. Remove the 2 screws.
2. Remove the bottom cover.

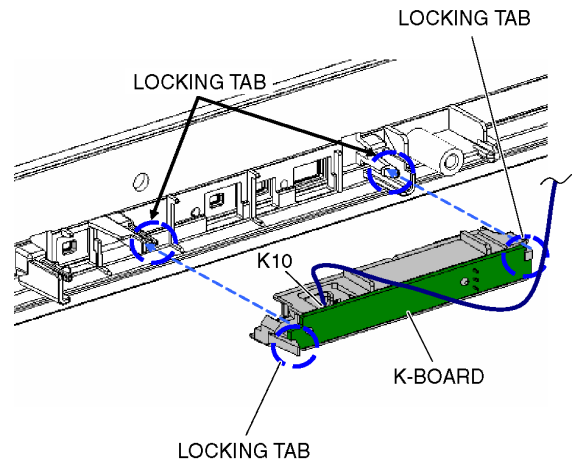


3. Remove the 6 screws (C).
4. Remove the 2 screws (D).
5. Remove the bottom metal.



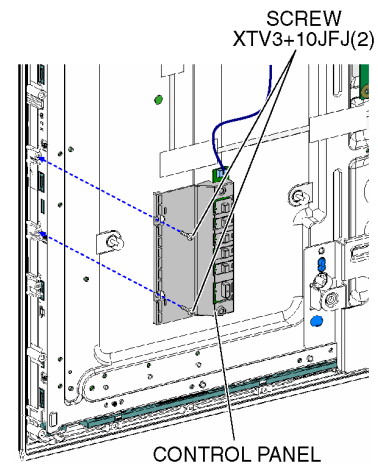
6. Remove the 4 locking tabs.
7. Disconnect the connector (K10).

8. Remove the K-Board.

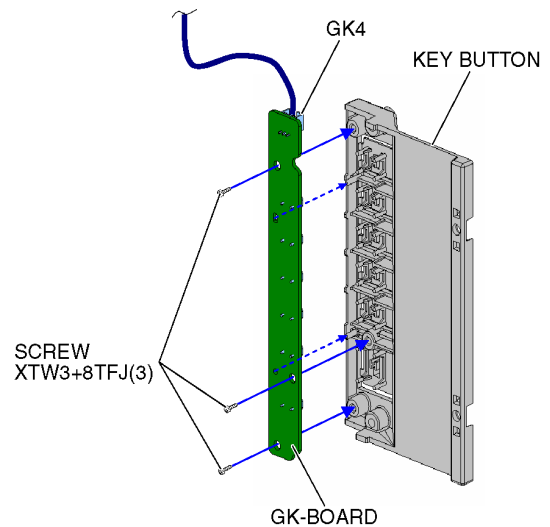


8.2.7. GK-Board

1. Remove the 2 screws.
2. Remove the control panel.

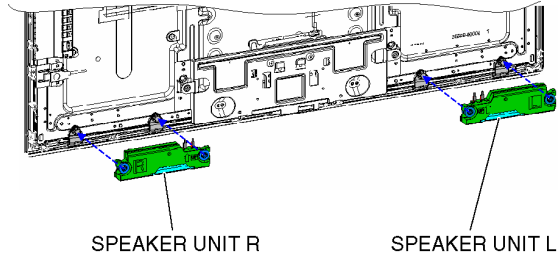


3. Remove the 3 screws.
4. Disconnect the connector (GK4).
5. Remove the GK-Board and the key button.

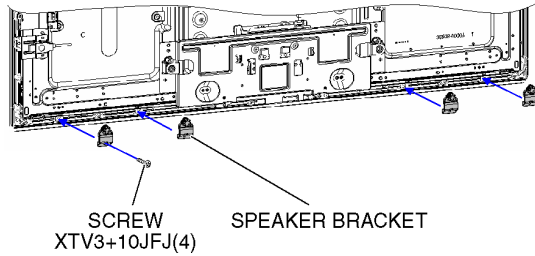


8.2.8. Speaker unit L/R

1. Remove the speaker unit L/R.

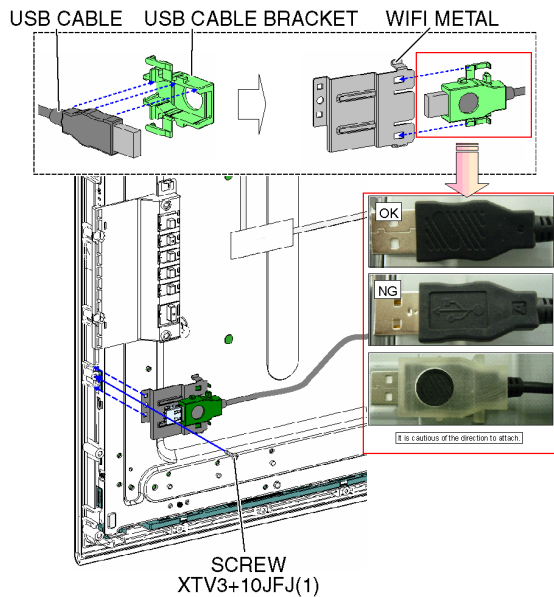


2. Remove the 4 screws.
3. Remove the 4 speaker brackets.



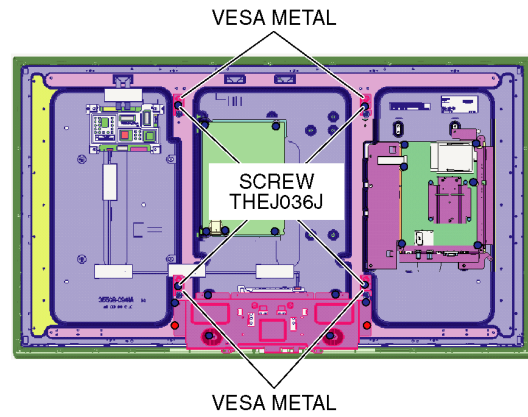
8.2.9. WiFi metal

1. Remove the 1 screw.
2. Remove the WiFi metal, the USB Cable and the USB cable bracket.



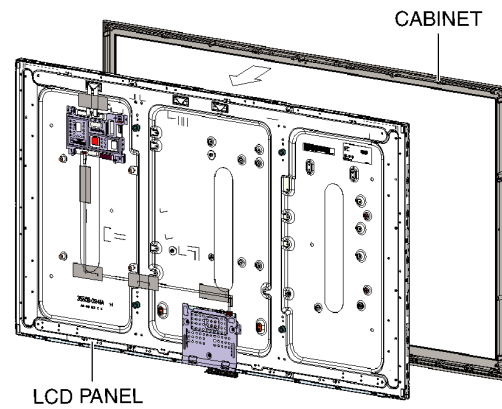
8.2.10. Vesa metal

1. Remove the 4 screws.
2. Remove the 4 vesa metals.

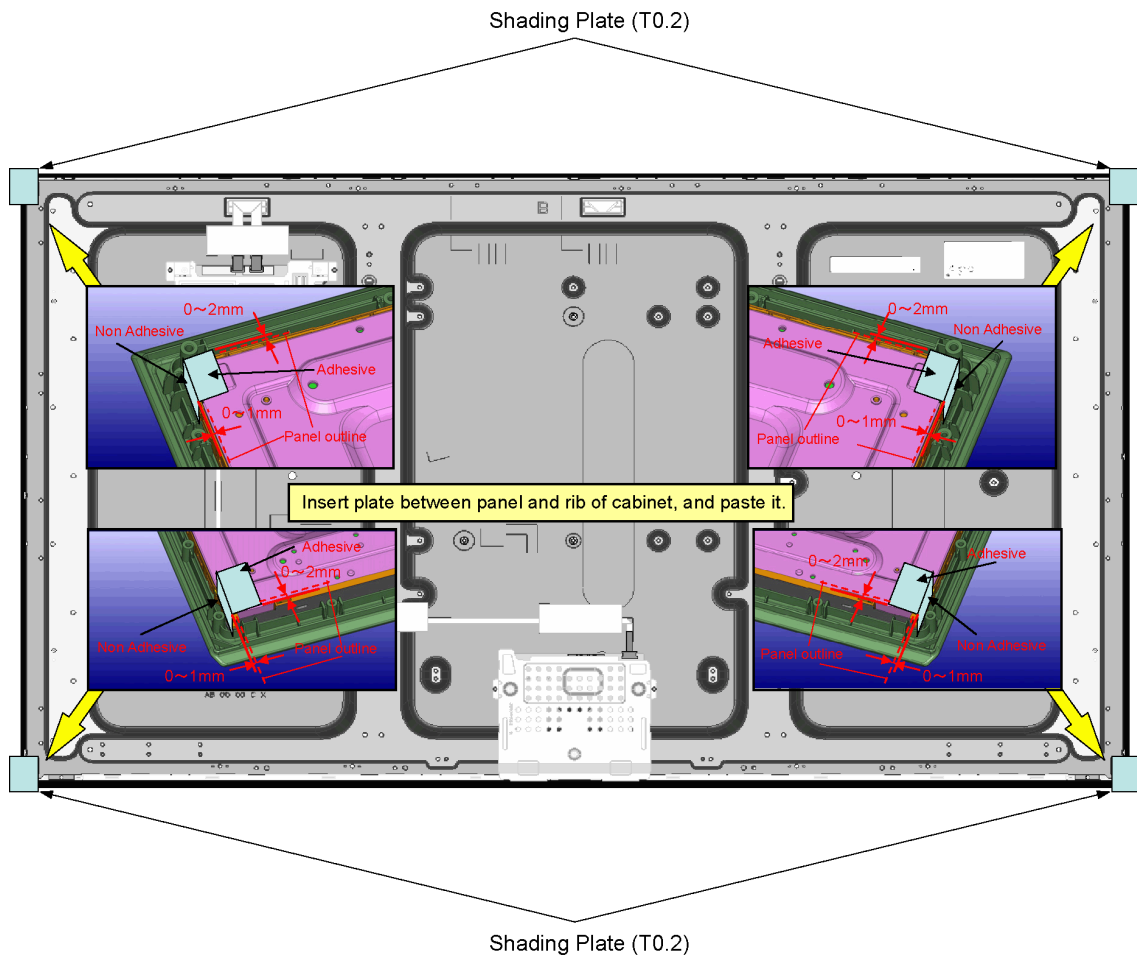
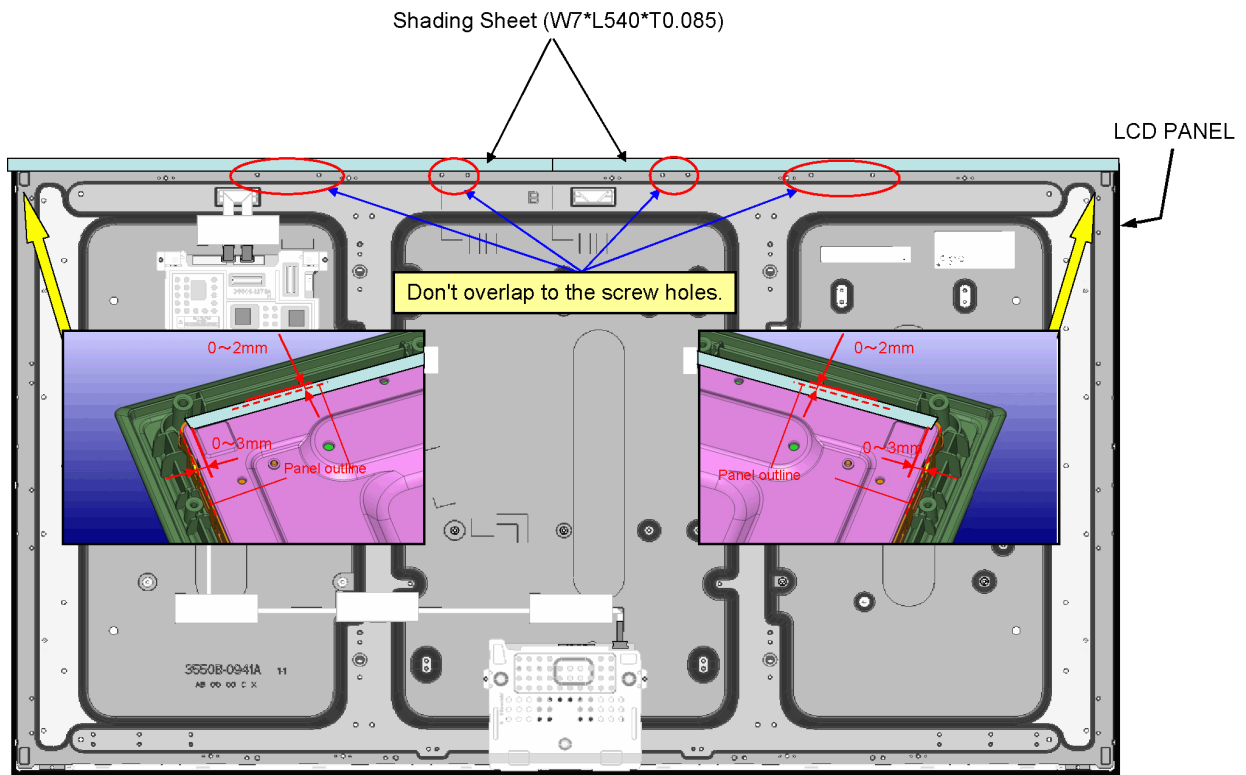


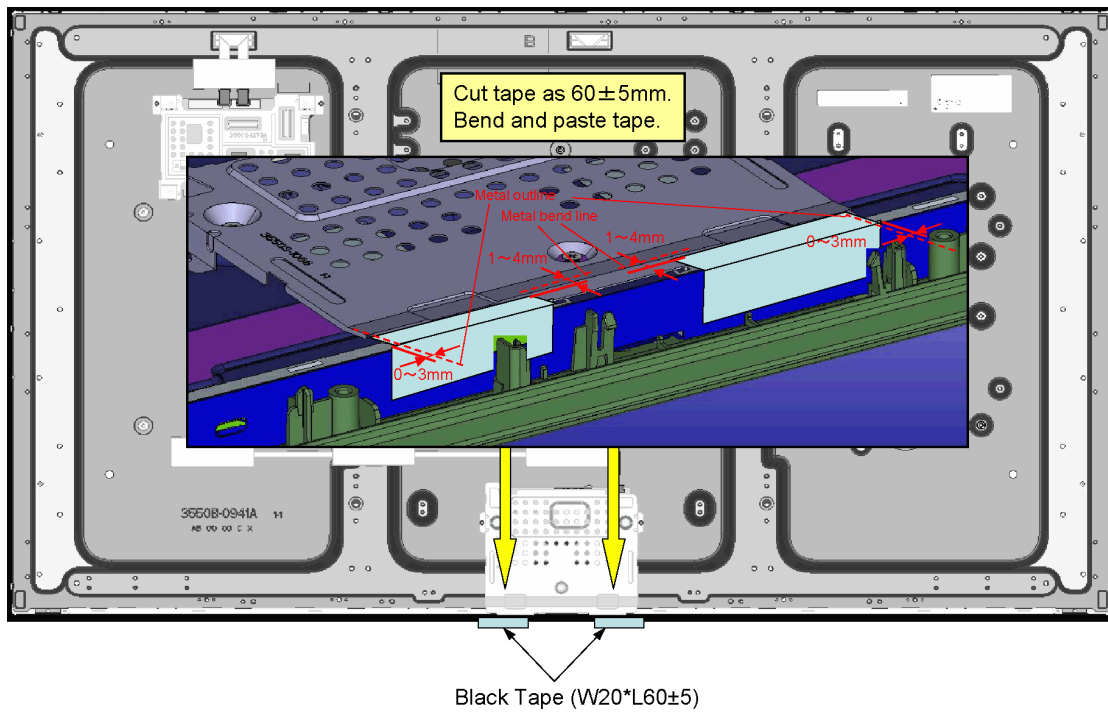
8.2.11. Cabinet and LCD panel

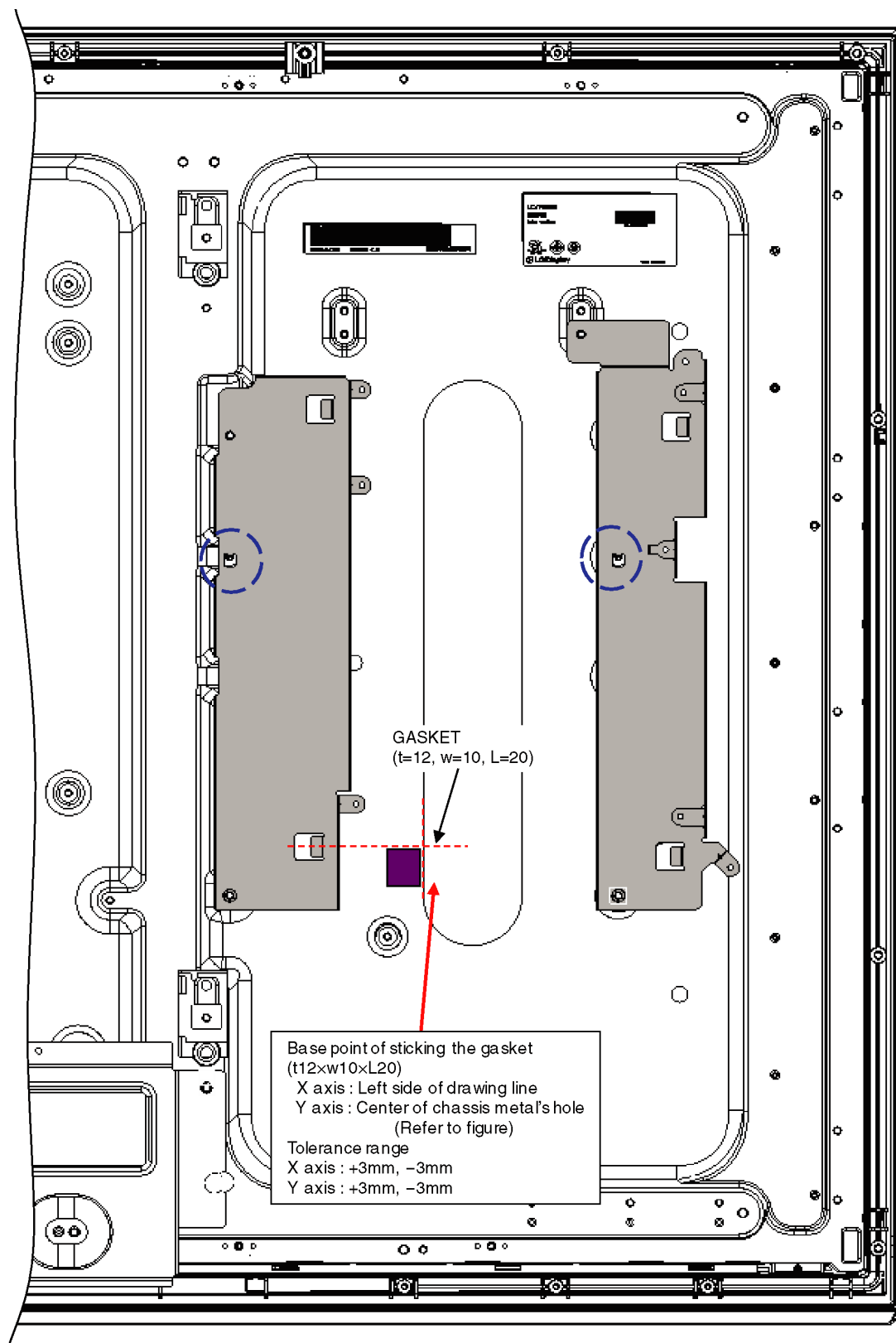
1. Remove the cabinet and the LCD panel.

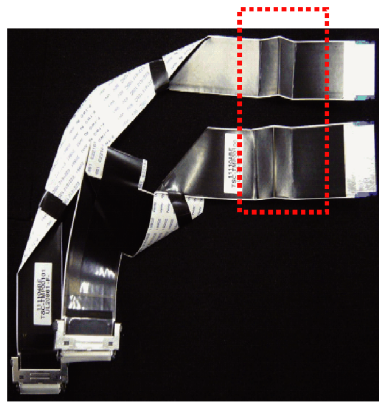
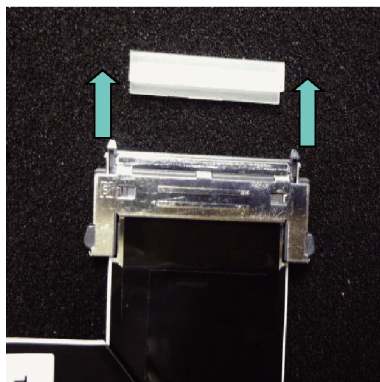
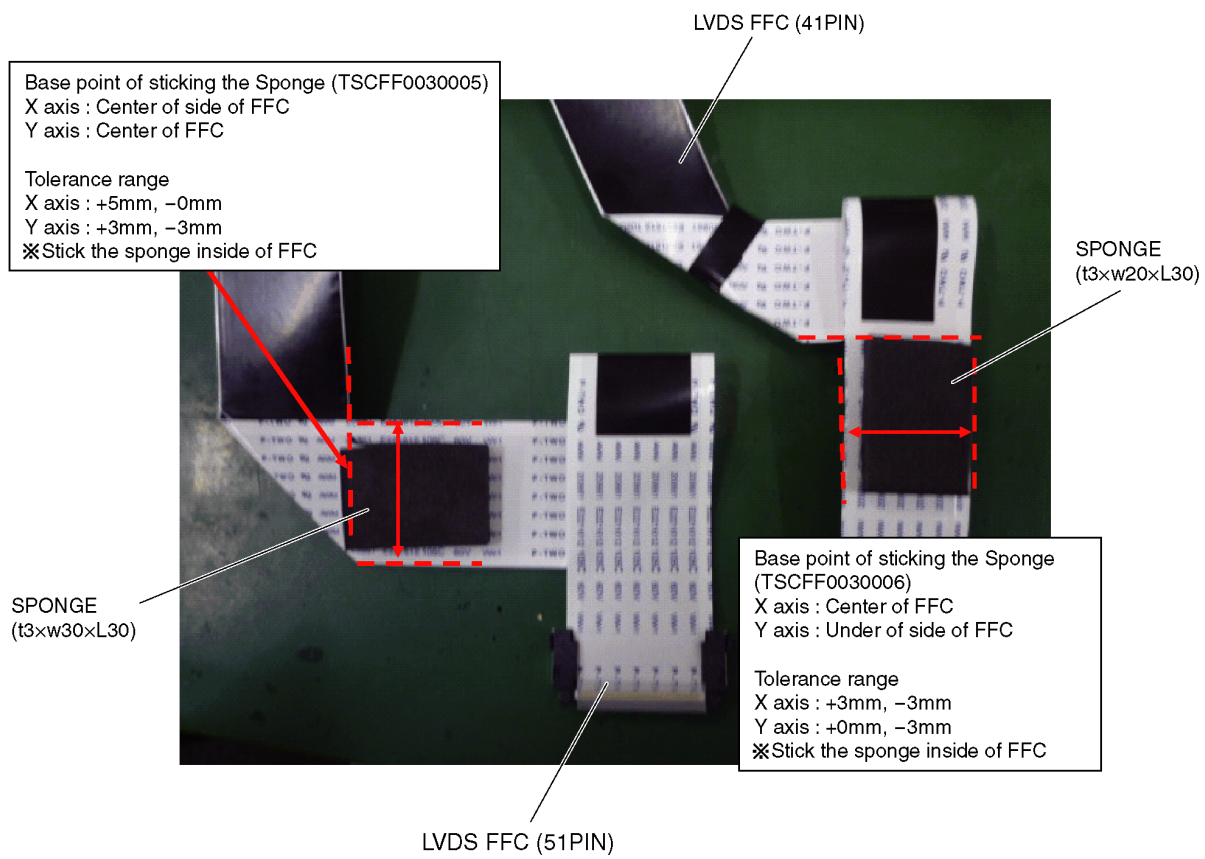


8.2.12. EMI processing









Before attaching
 1. A cap is removed.
 2. Again, it bends.

Attention

(sticking the PET+AL-Tape)

Don't stick on the other Tape.

Don't stick on the another FFC.

First, sticking the PET+AL-Tape lower FFC .
Next, upper FFC.

Base point of sticking the PET-Tape

=First : Sticking the lower right

X axis : Panel's guide line

Y axis : Under the boss

Tolerance range

X axis : +5mm, -0mm

Y axis : +3mm, -3mm

=Second : Sticking the upper left

X axis : Panel's guide line

Tolerance range

X axis : +0mm, -5mm

Base point of sticking the PET+AL-Tape

X axis : Right of boss

Y axis : Under of boss

(under chassis metal)

Tolerance range

X axis : +5mm, -0mm

Y axis : +0mm, -5mm

Base point of sticking the PET+AL-Tape

X axis : Right side of PET+AL-Tape

Y axis : Upper side of lower FFC

(Refer to figure)

Tolerance range

X axis : +5mm, -0mm

Y axis : +0mm, -5mm

Base point of sticking the PET Tape

X axis : Right side's FFC

Y axis : horizontal-bending of FFC

(Refer to figure)

Tolerance range

X axis : +5mm, -0mm

Y axis : +0mm, -5mm

Base point of sticking the e PET Tape

X axis : Left of boss

Y axis : Center of FFC

(Refer to figure)

Tolerance range

X axis : +5mm, -0mm

Y axis : +5mm, -0mm

Base point of sticking the PET-Tape

X axis : Left of boss

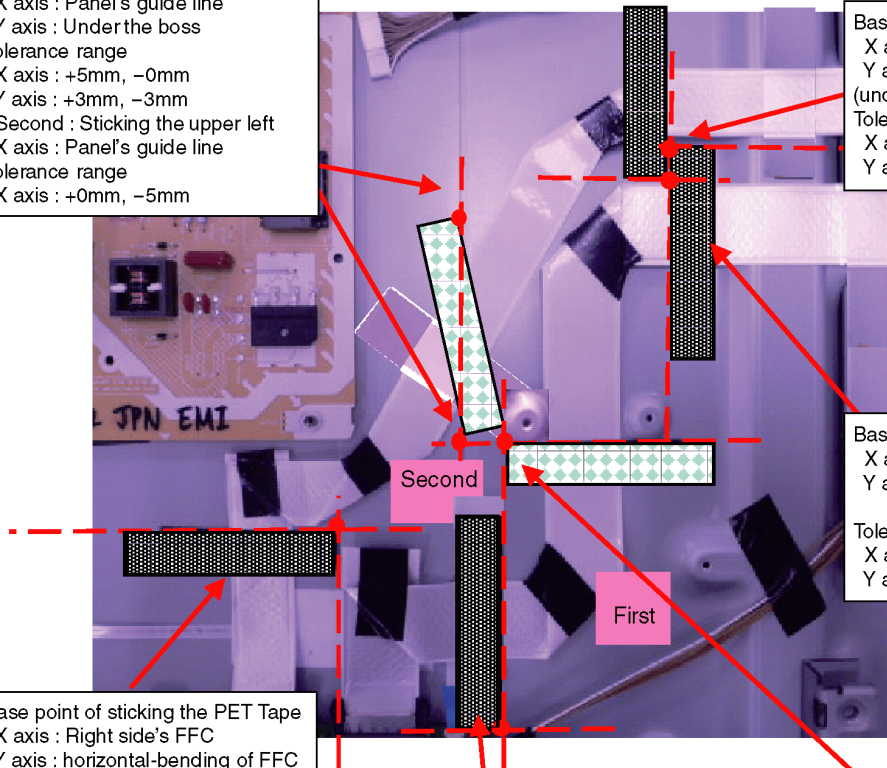
Y axis : Under of boss

(Refer to figure)

Tolerance range

X axis : +5mm, -0mm

Y axis : +0mm, -5mm



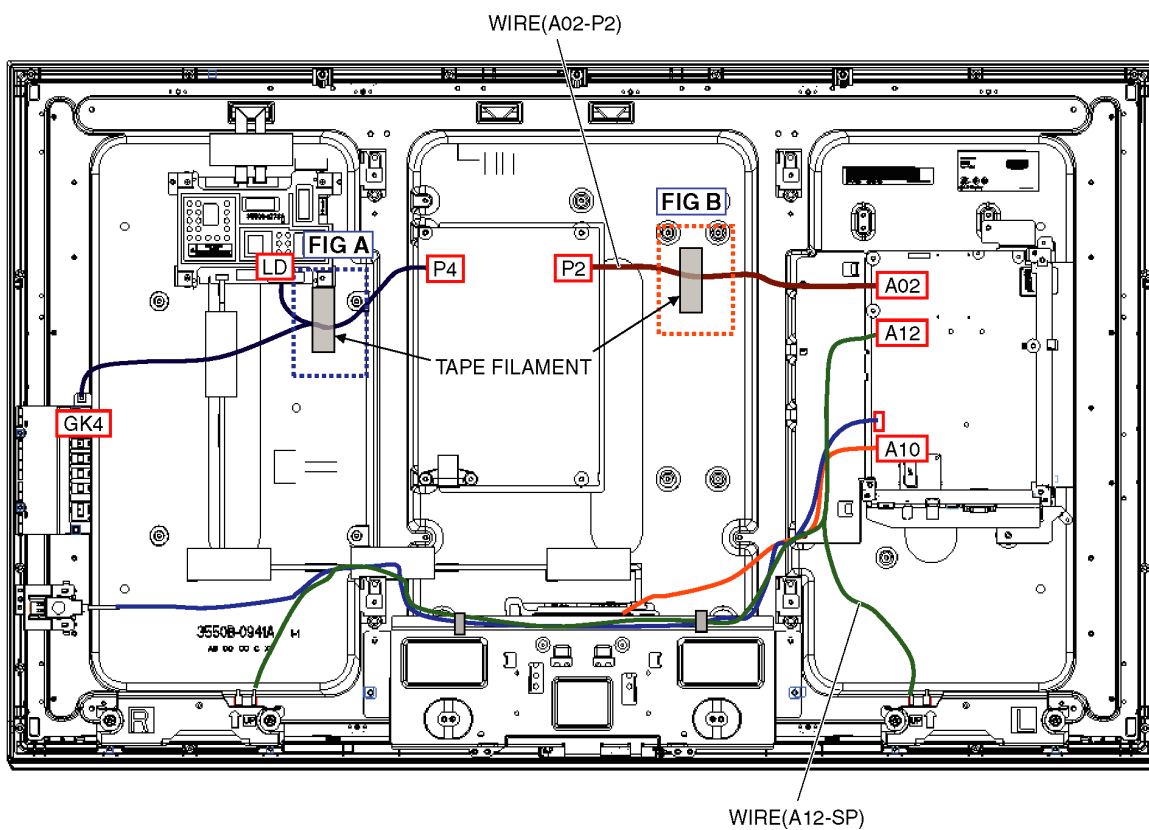
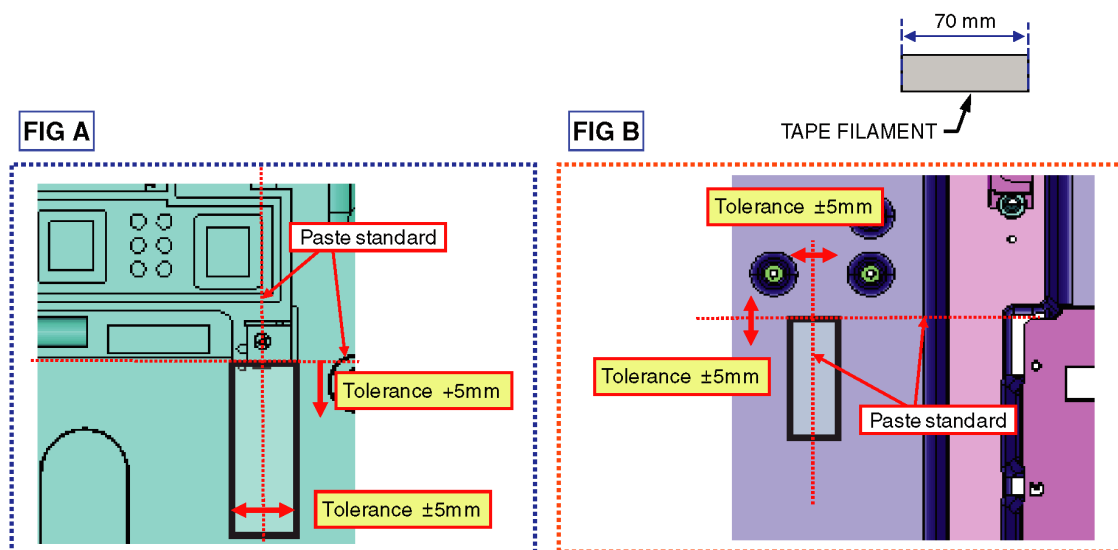


FIG A

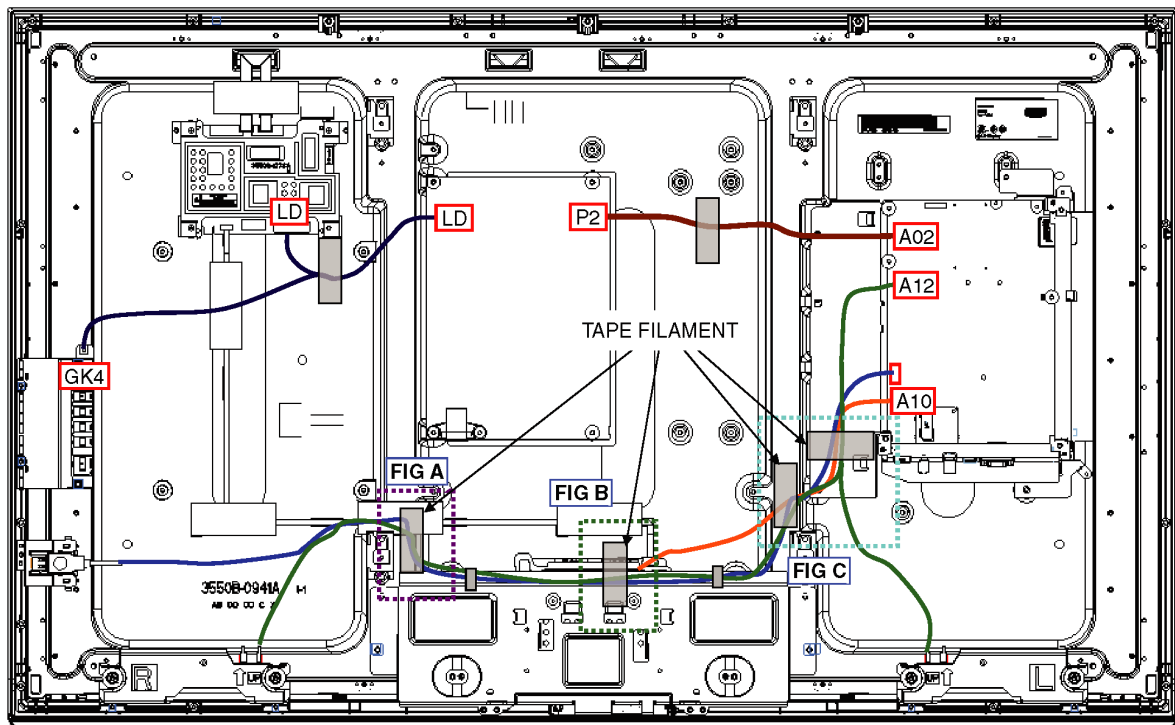
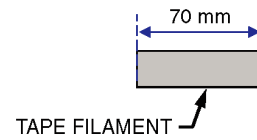
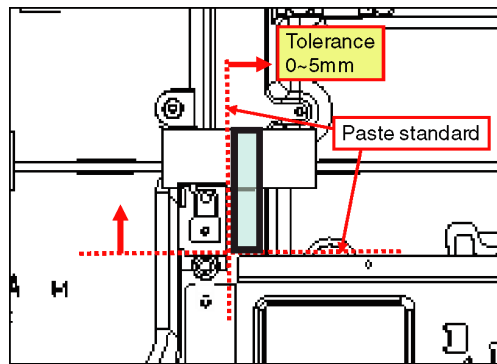


FIG B

Important :
When sticking a tape, FFC is not pushed strongly.

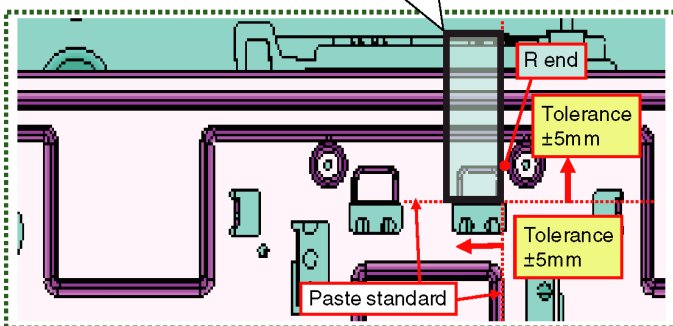
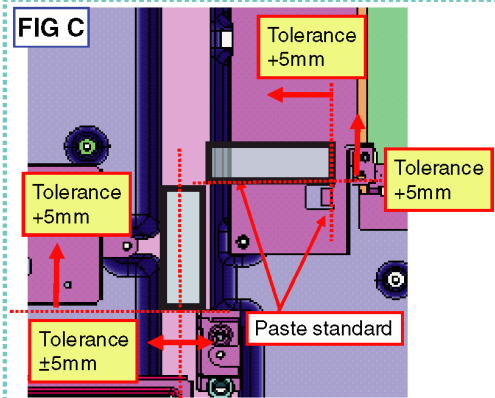
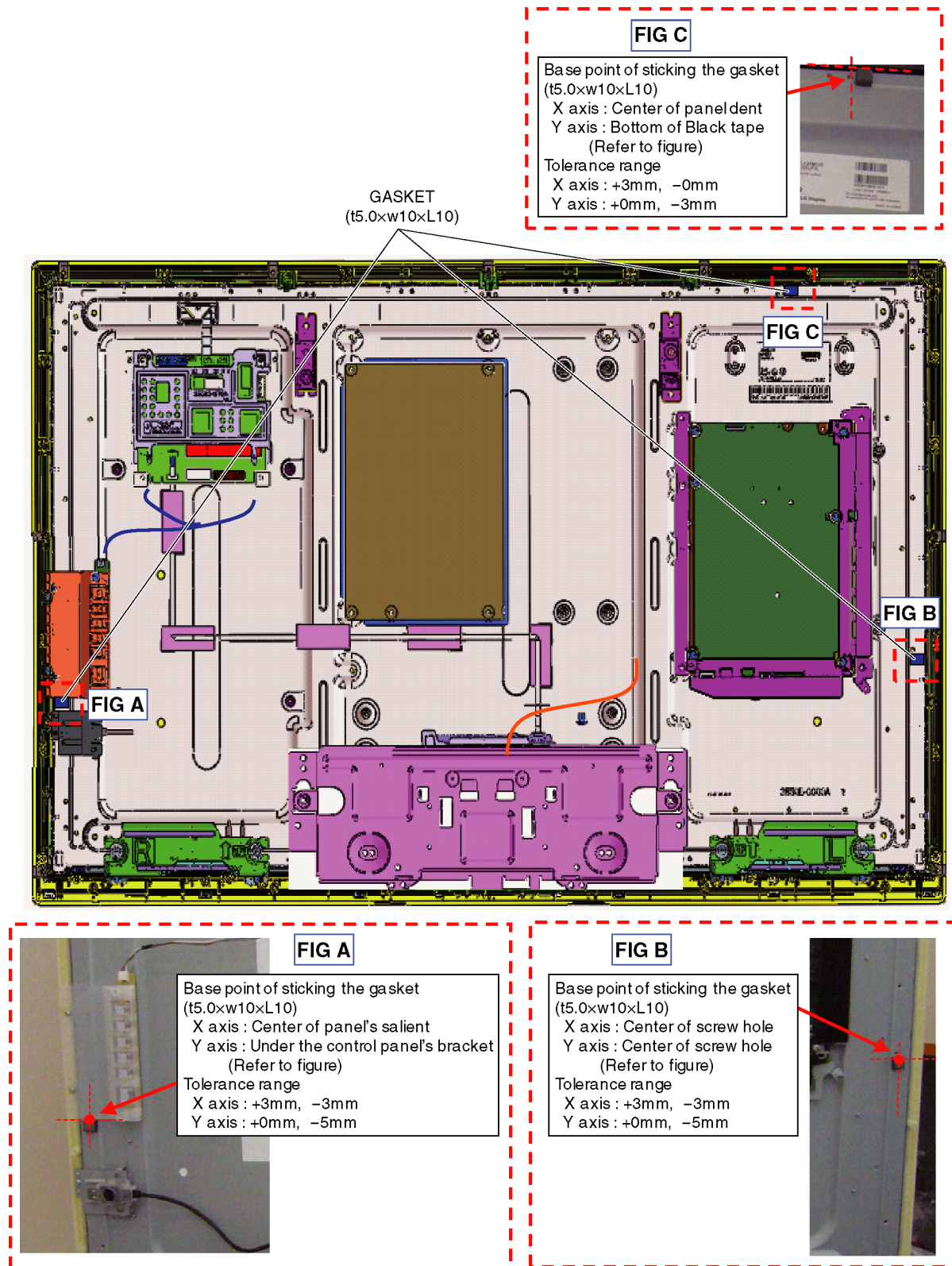
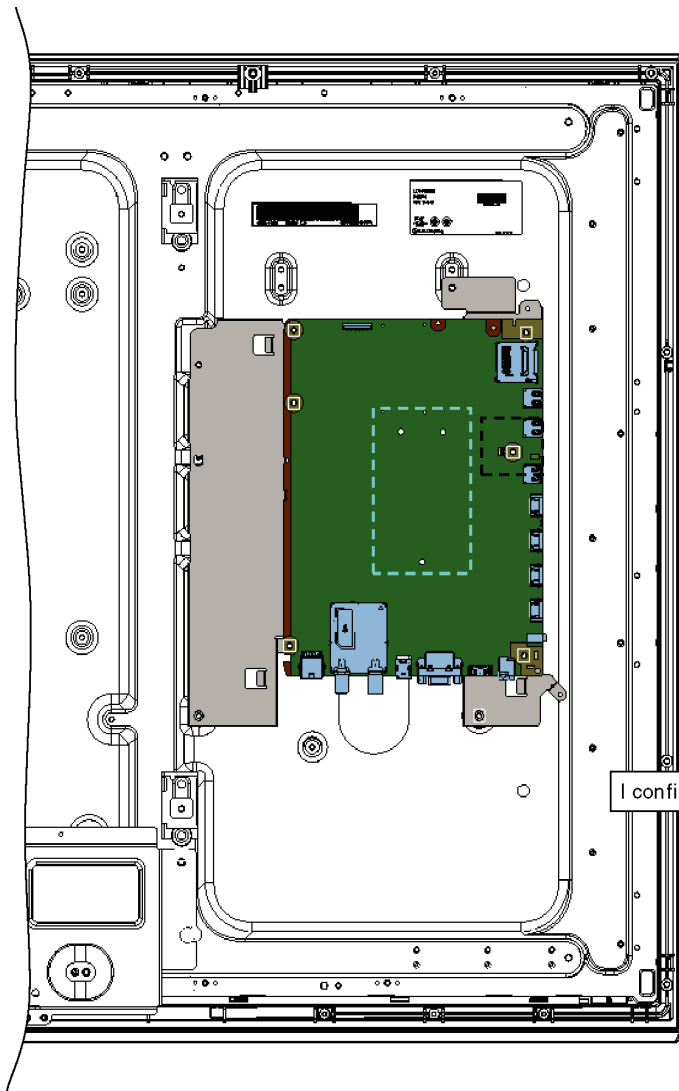


FIG C

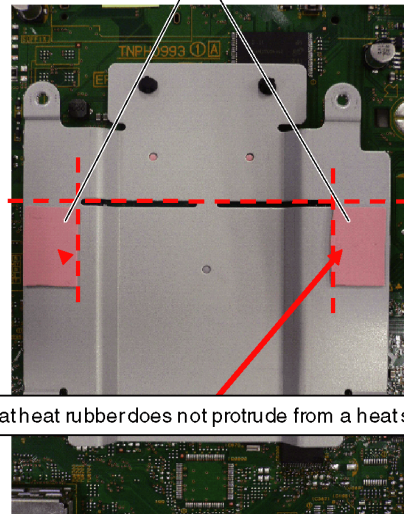






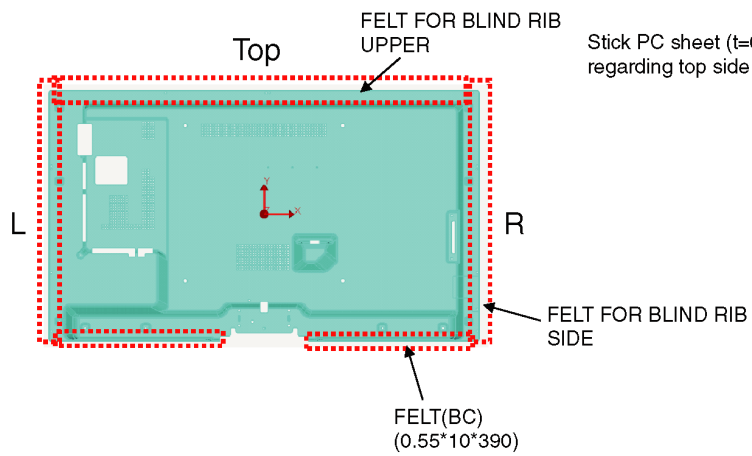
Use antistatic equipment to remove static electricity from TC sheet.

HEART RUBBER
(13*20*1.5)



I confirm that heat rubber does not protrude from a heat sink

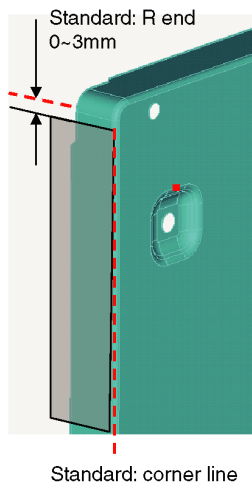
The heat rubber pasting up specifications of the Heat sink



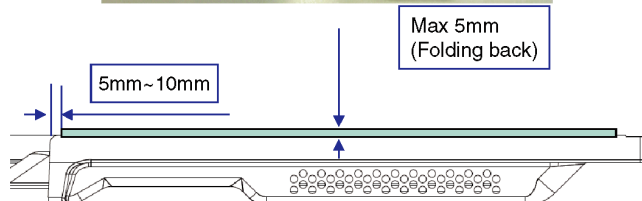
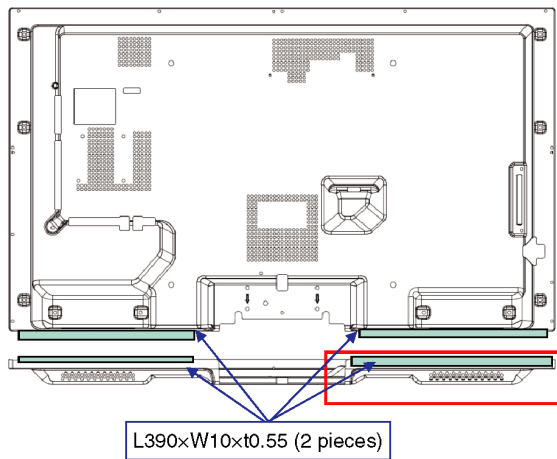
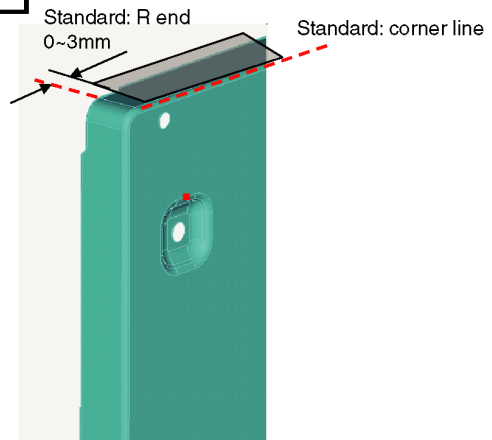
Stick PC sheet (t=0.15) on BACK COVER inside regarding top side and L/R side.

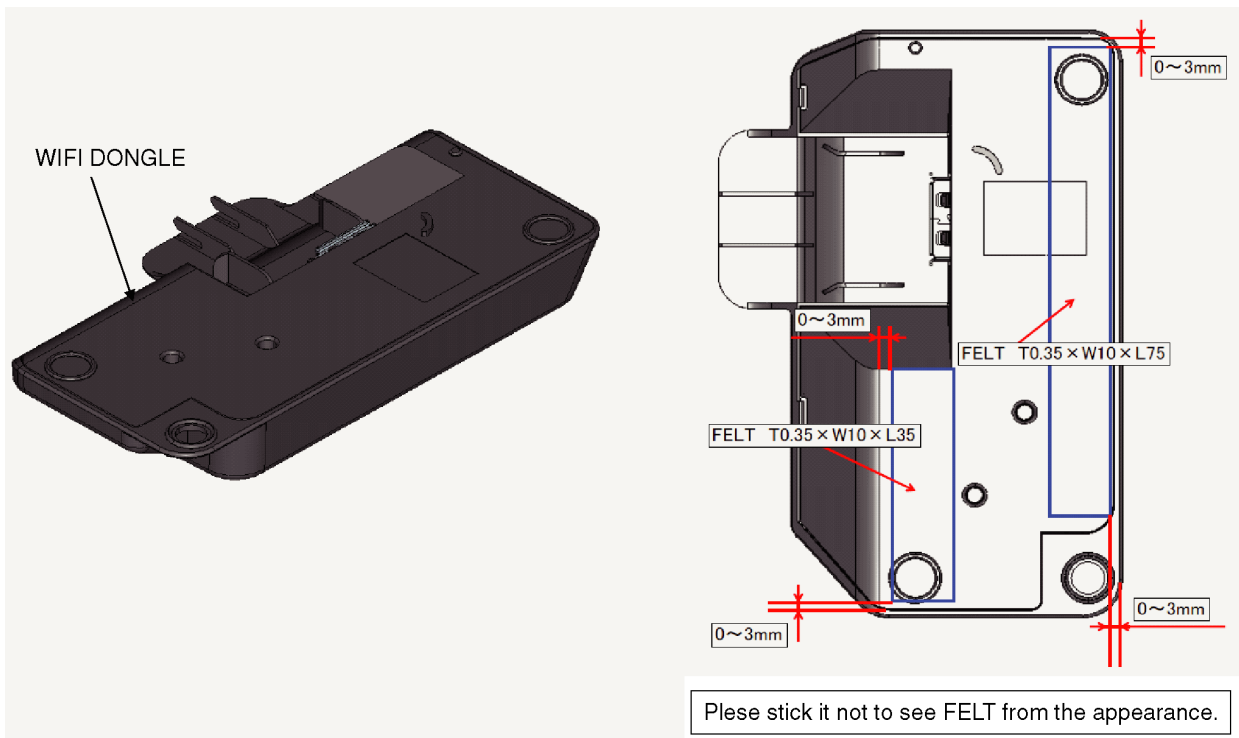


L/R side.



Top side





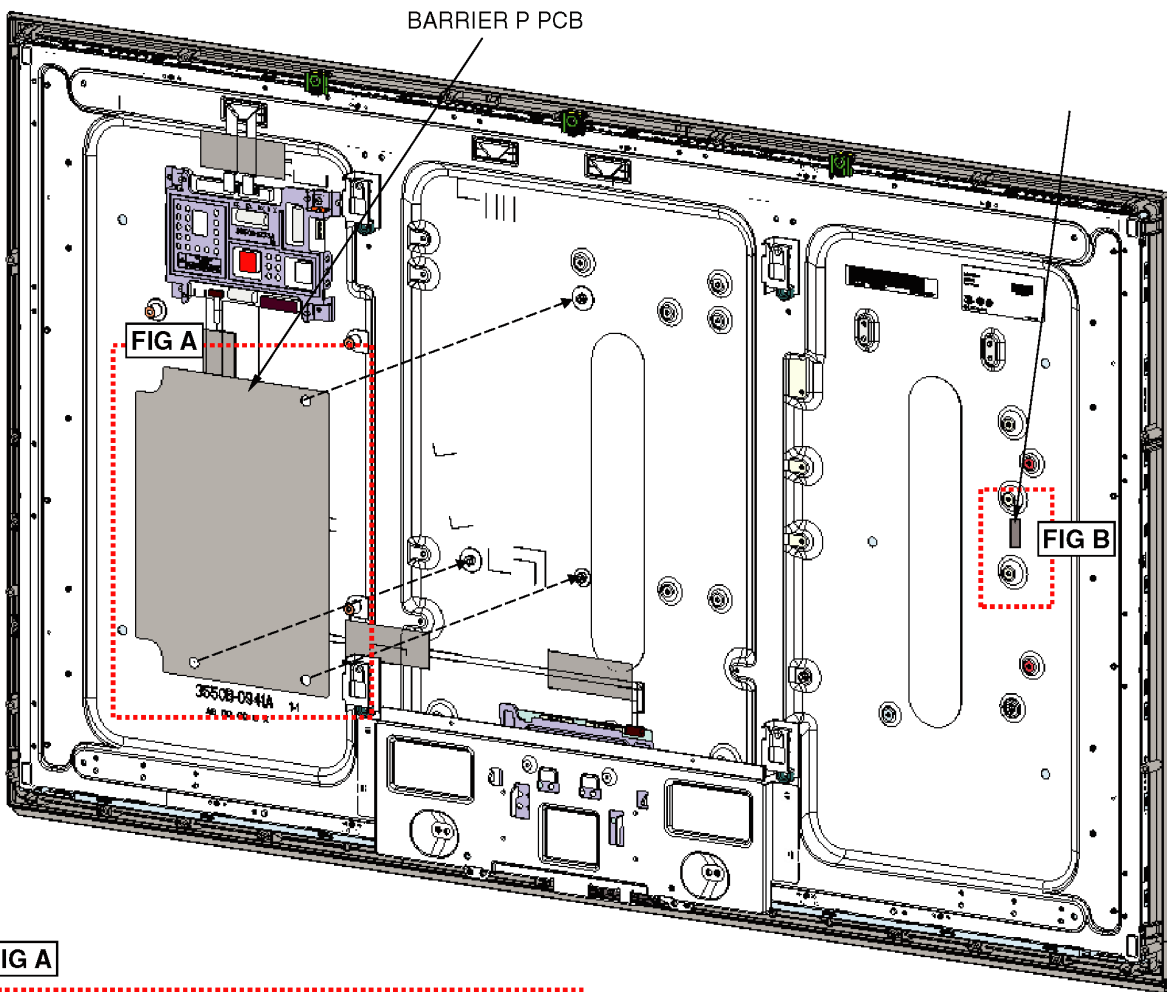


FIG A

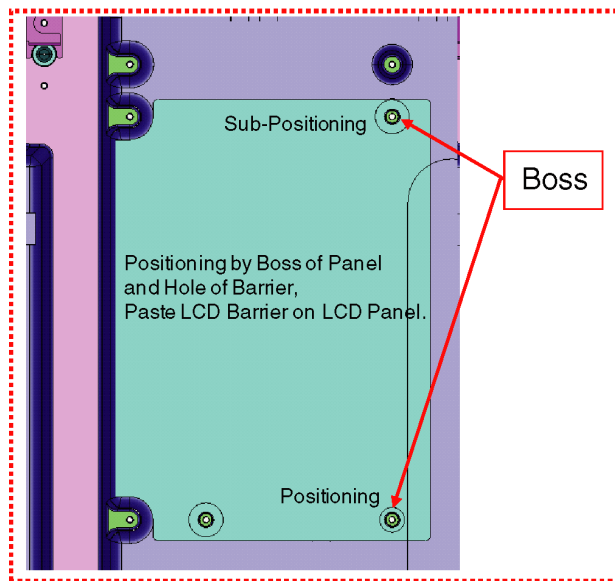
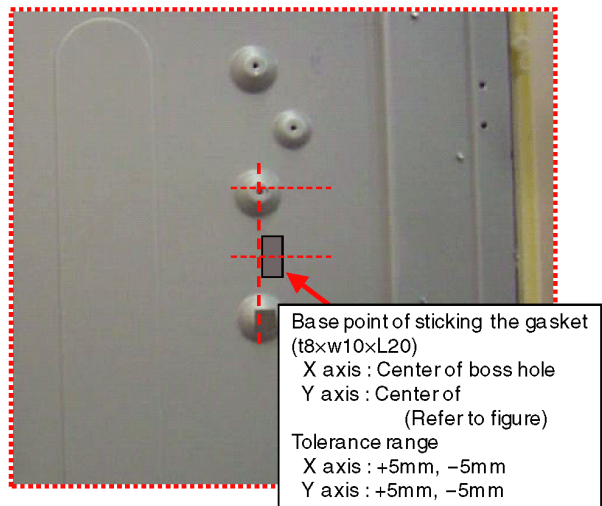


FIG B



9 Measurements and Adjustments

9.1. Voltage chart of P-board

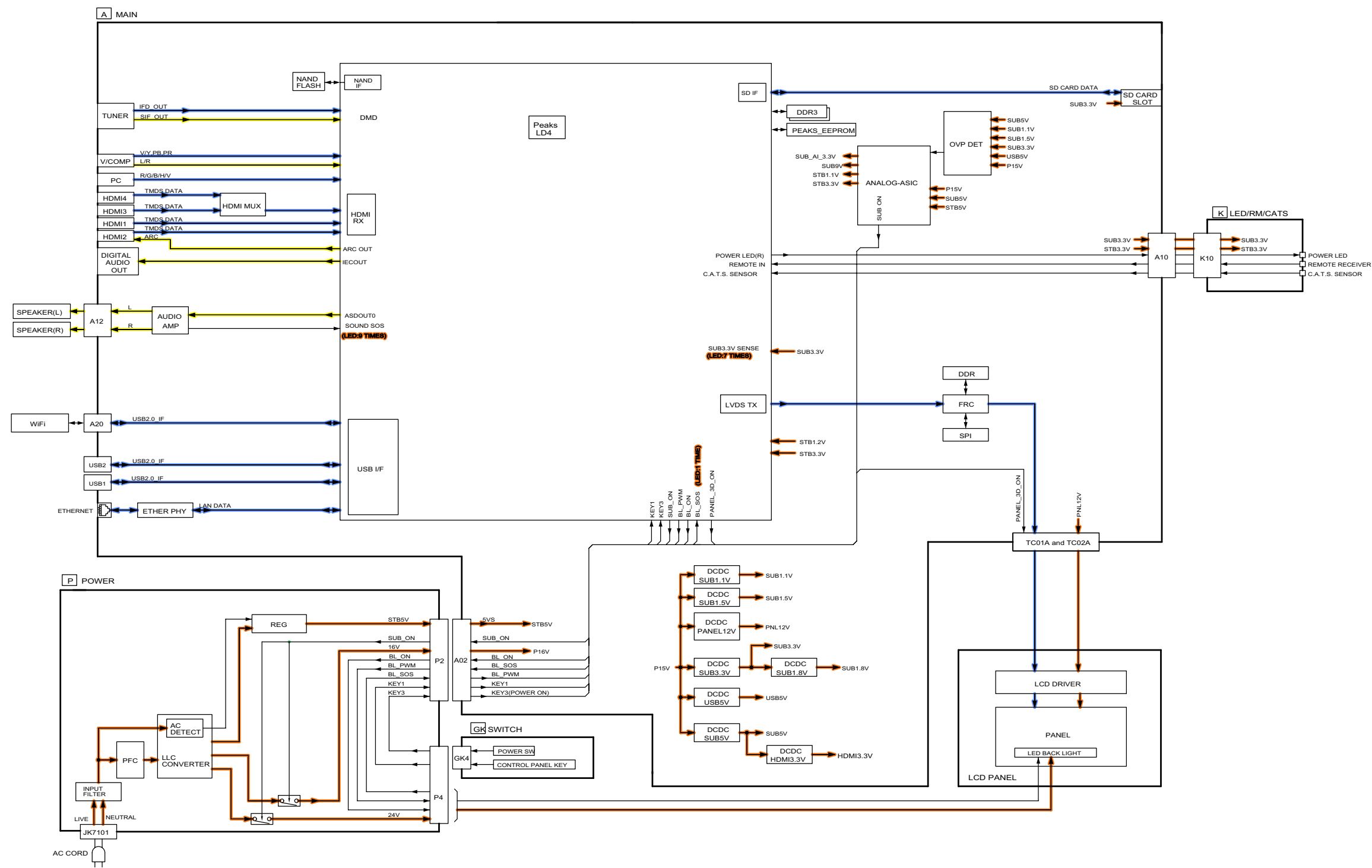
VOLTAGE	TEST POINT	SPECIFICATION
5VS	TP7412,7507	5.3V±0.1V
16V	TP7508,7514	16.1V±0.6V
24V	TP7512,7513	24V±1.2V

9.2. Voltage chart of A-board

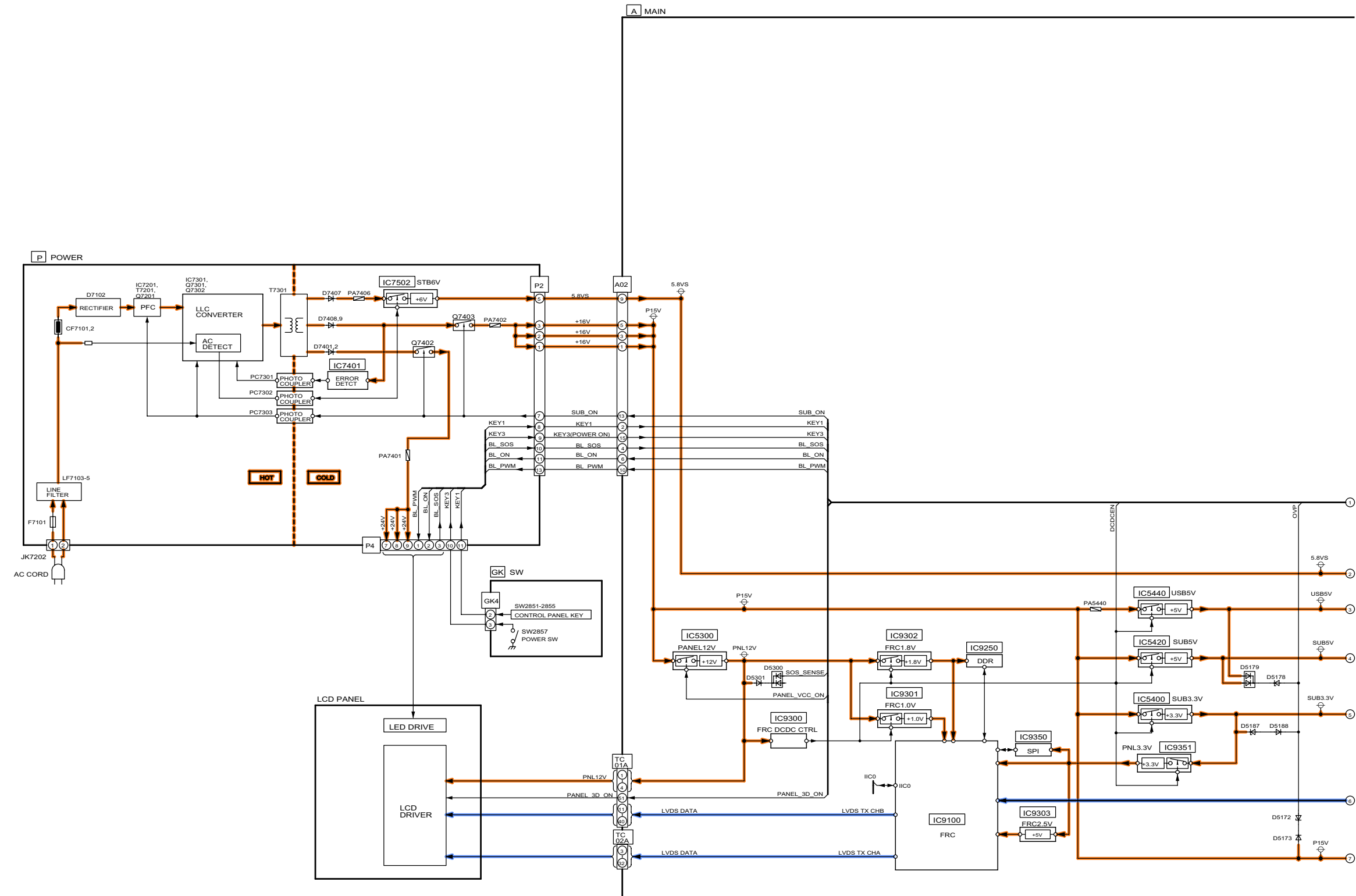
VOLTAGE	TEST POINT	SPECIFICATION
PANEL12V	TP4004/TP4005	11.45V - 12.55V
USB_5V	TP5440	4.94V - 5.40V
SUB5V	TP5420	4.95V - 5.65V
SUB3.3V	TP5400	3.17V - 3.43V
SUB1.8V	TP8700	1.7V - 1.9V
SUB1.5V	TP8101	1.435V - 1.585V
SUB1.1V	TP8100	1.10V - 1.22V
FRC1.0V	TP9300	0.95V - 1.05V
FRC1.8V	TP9301	1.71V - 1.89V

10 Block Diagram

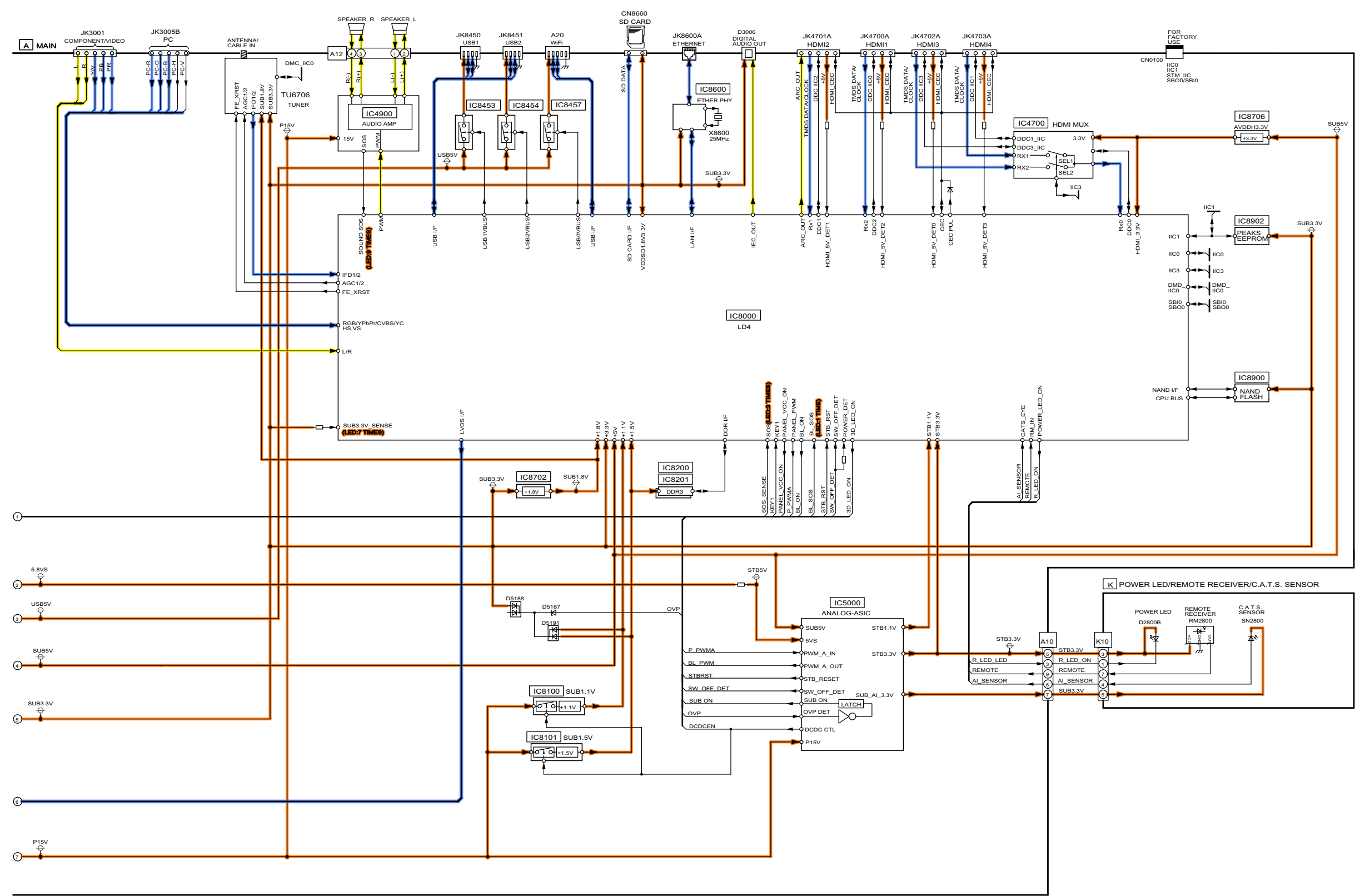
10.1. Main Block Diagram



10.2. Block (1/2) Diagram



10.3. Block (2/2) Diagram

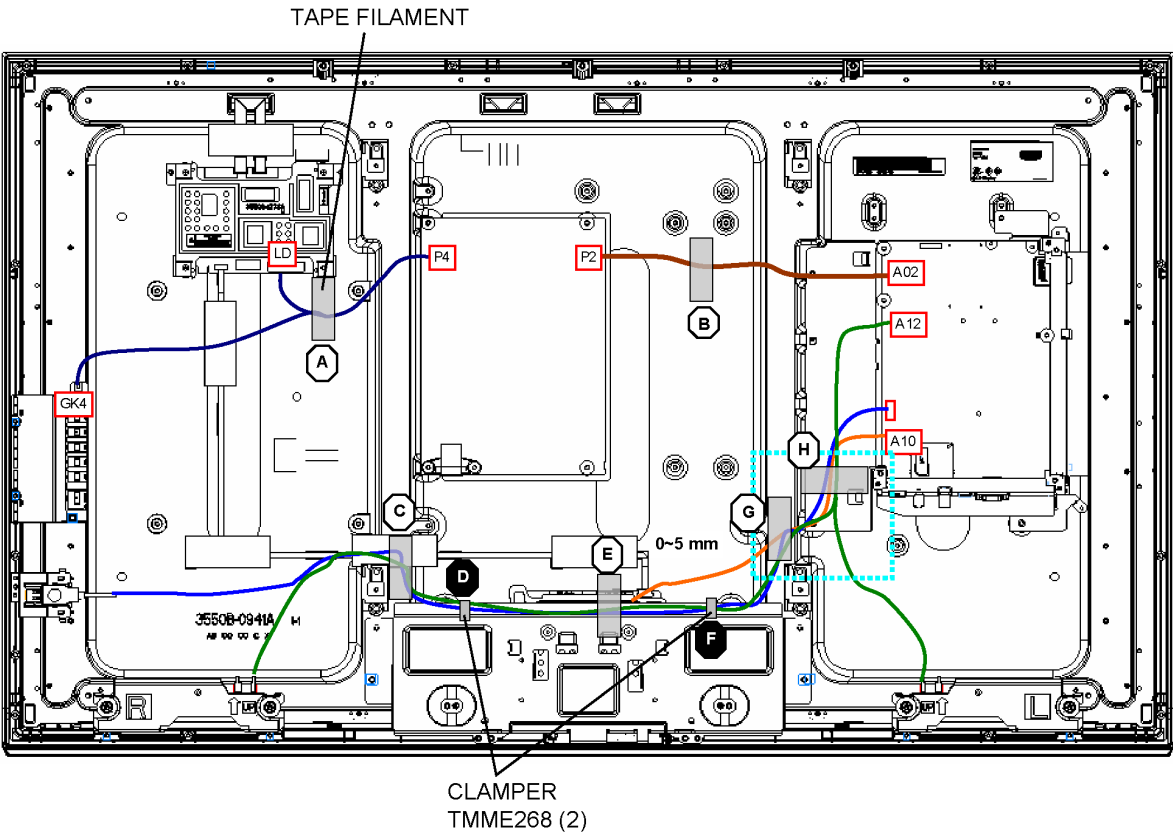


11 Wiring Connection Diagram

11.1. Caution statement.

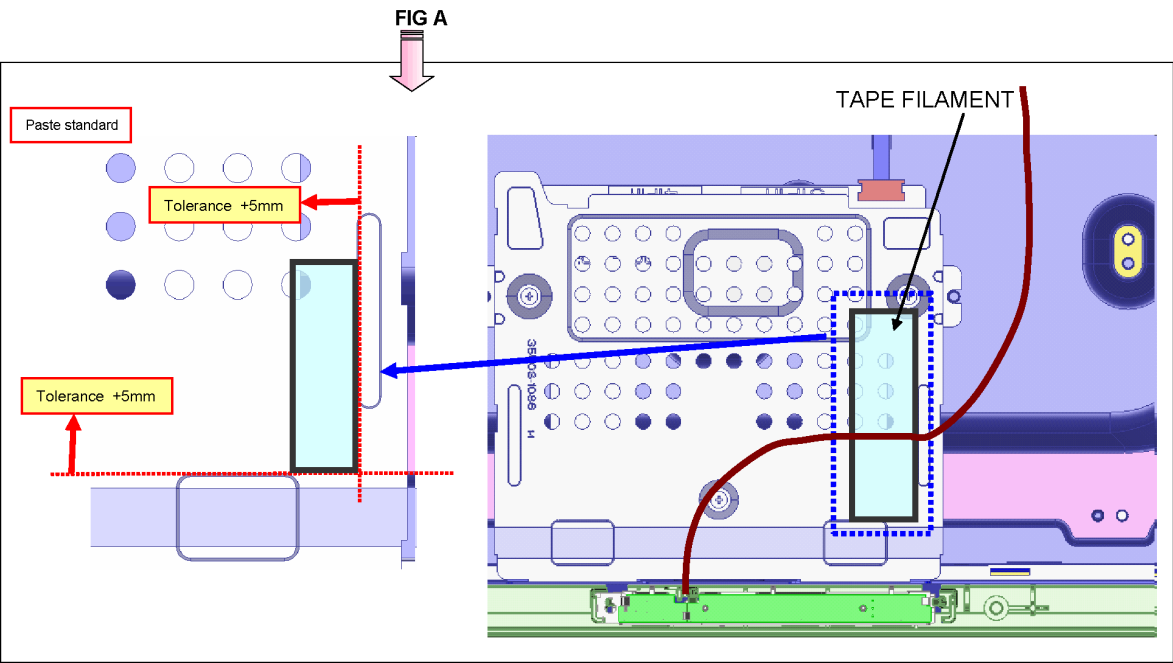
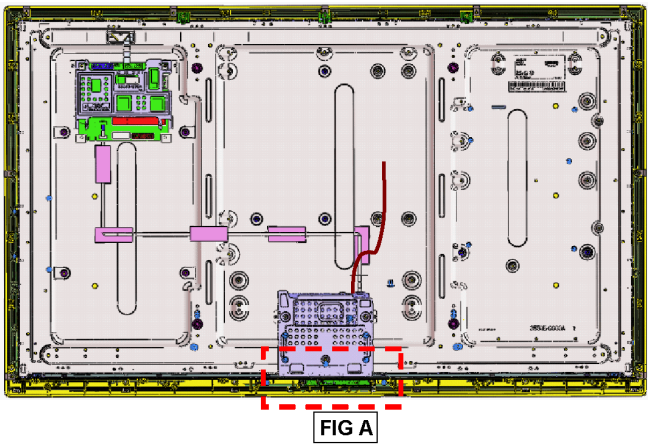
Caution:
Please confirm that all flexible cables are assembled correctly.
Also make sure that they are locked in the connectors.
Verify by giving the flexible cables a very slight pull.

11.2. Wiring 1



CLAMPERS								
CABLES	A	B	C	D	E	F	G	H
P4-LD/GK4	●							
P2-A02		●						
USB			●	●	●	●	●	●
SP(R)-A12			●	●	●	●	●	●
SP(L)-A12								●
A10-K10							●	●

11.3. Wiring 2



Model No. : TC-L47ET5 Schematic Diagram Note

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 AC 110-127 V, 60 Hz
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.

Notice: Use the parts number indicated on the Replacement parts List.

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.

Model No. : TC-L47ET5 Replacement Parts List Note

Note: All parts except parts mentioned [PAVCA] in the Remarks column are supplied by AVC-CSPC.
Parts mentioned [PAVCA] are supplied by PAVCA.

Notice: Be sure to make your orders of replacement parts according to this list.

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

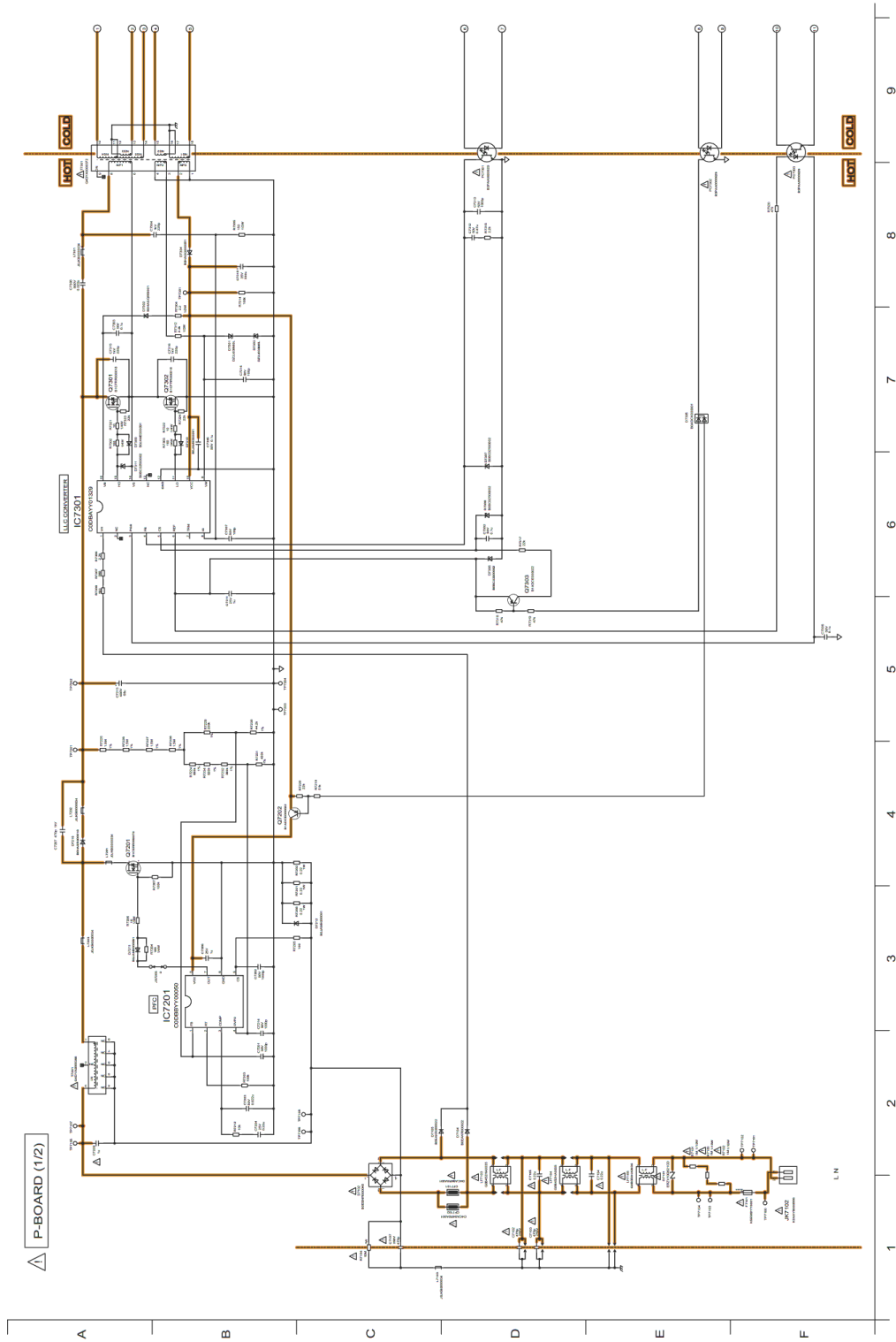
Example:

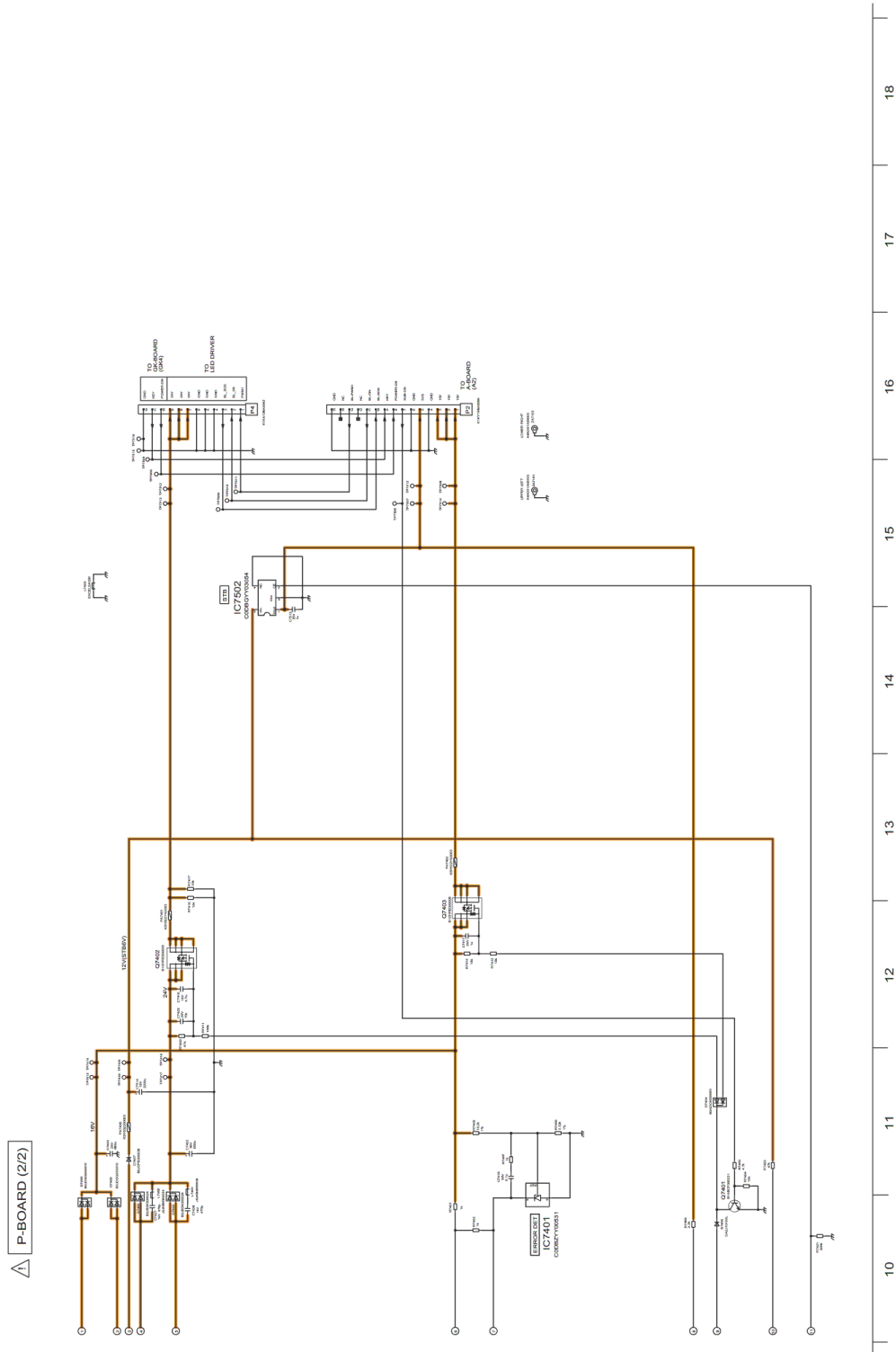
ECKF1H103ZF C 0.01UF, Z, 50V
 Type Allowance

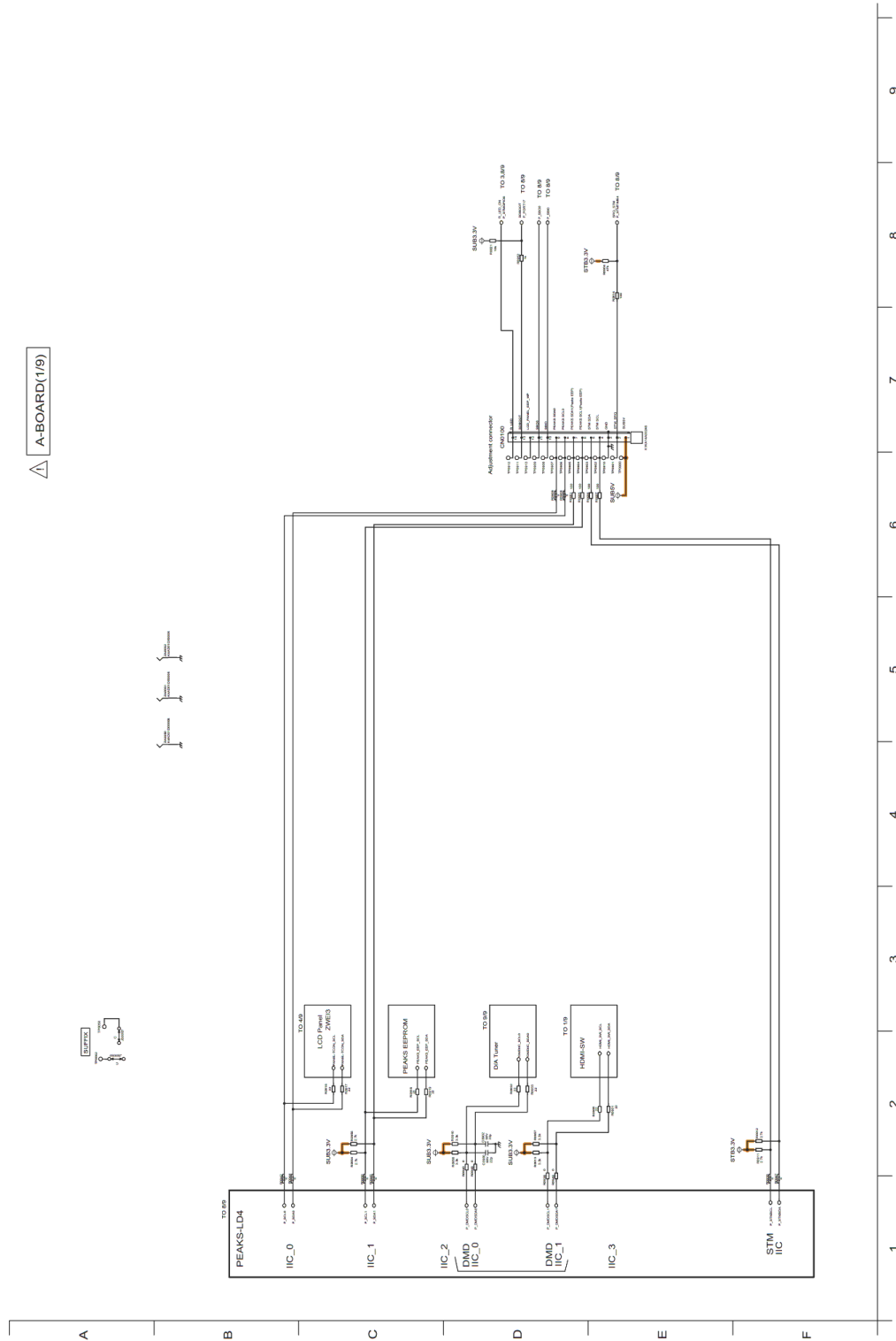
Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide	J : ±5%
Metal Film	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

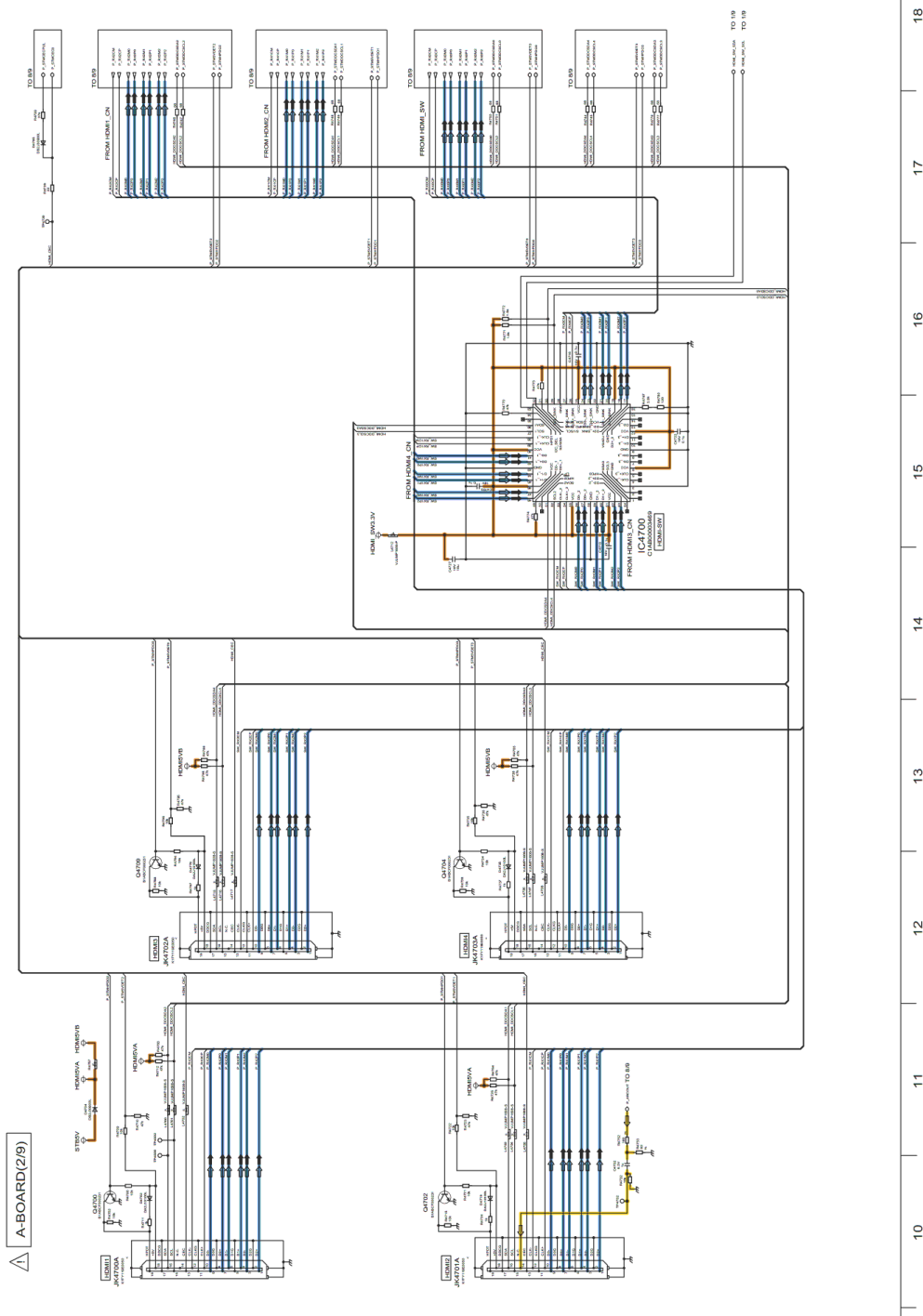
Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester	F : ±1pF
Polypropylene	G : ±3pF
T : Tantalum	J : ±5pF
	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

Model No. : TC-L47ET5 P-Board (1/2)

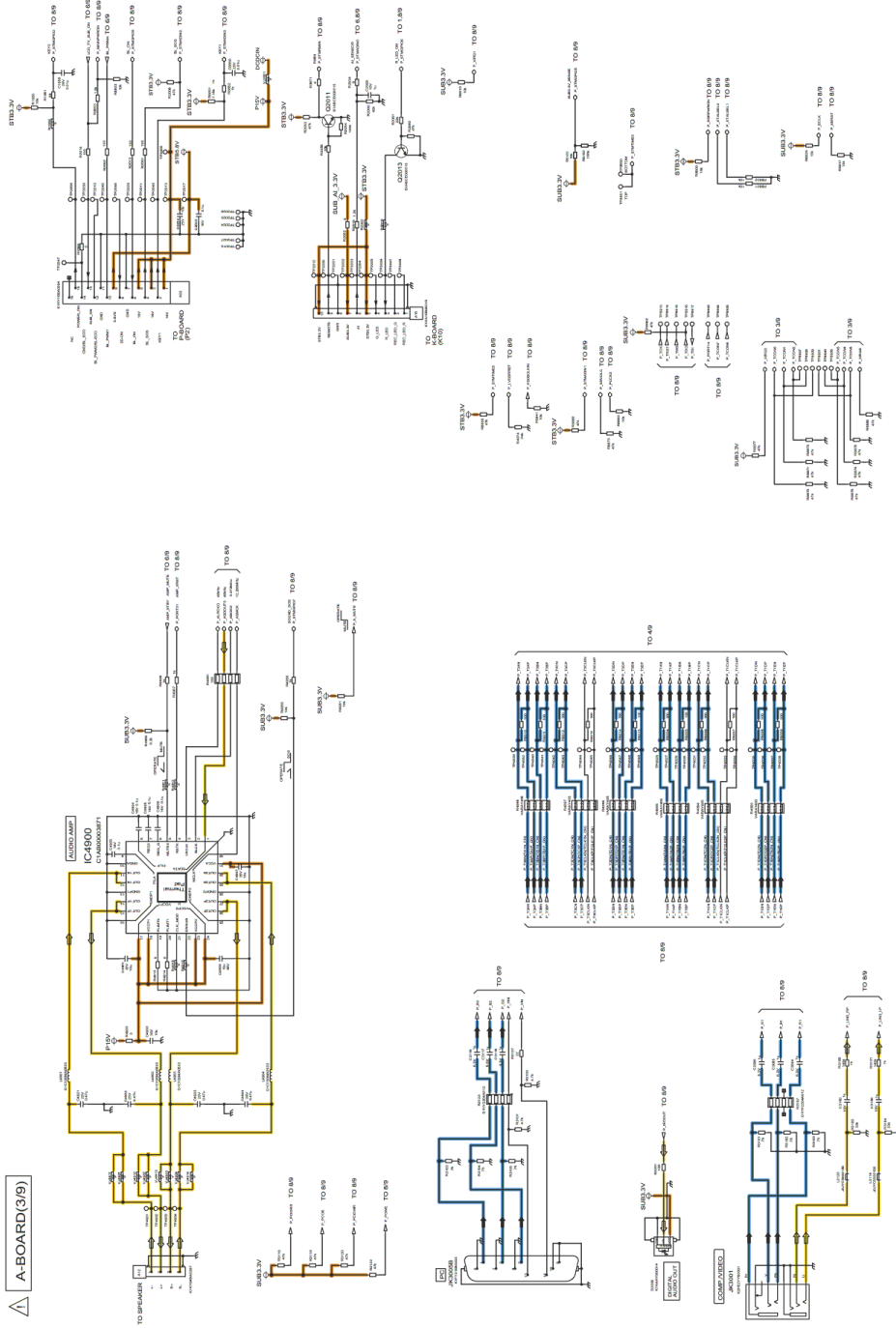




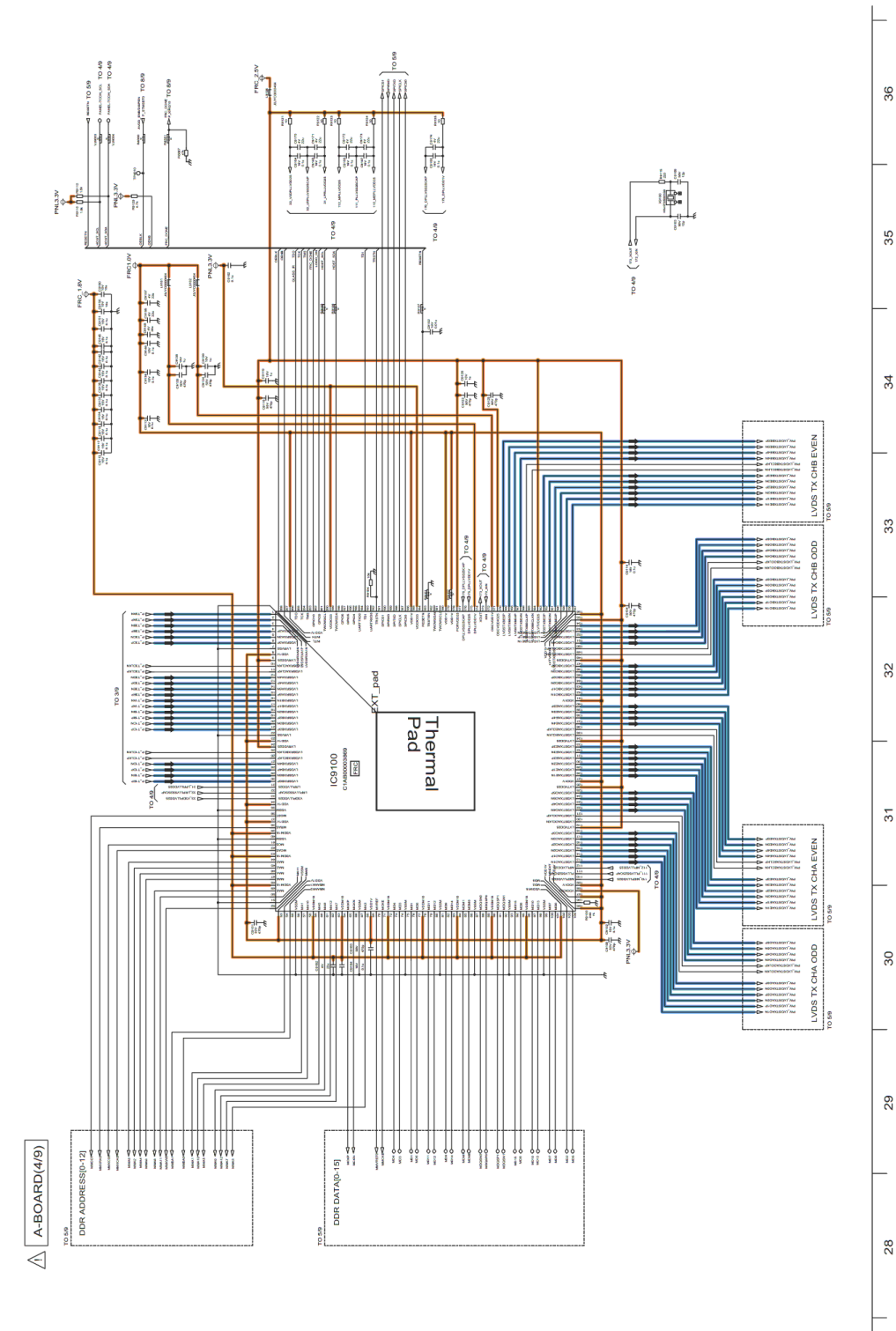


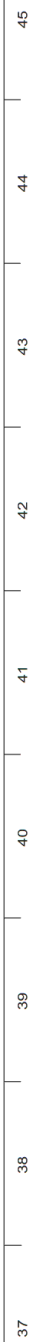


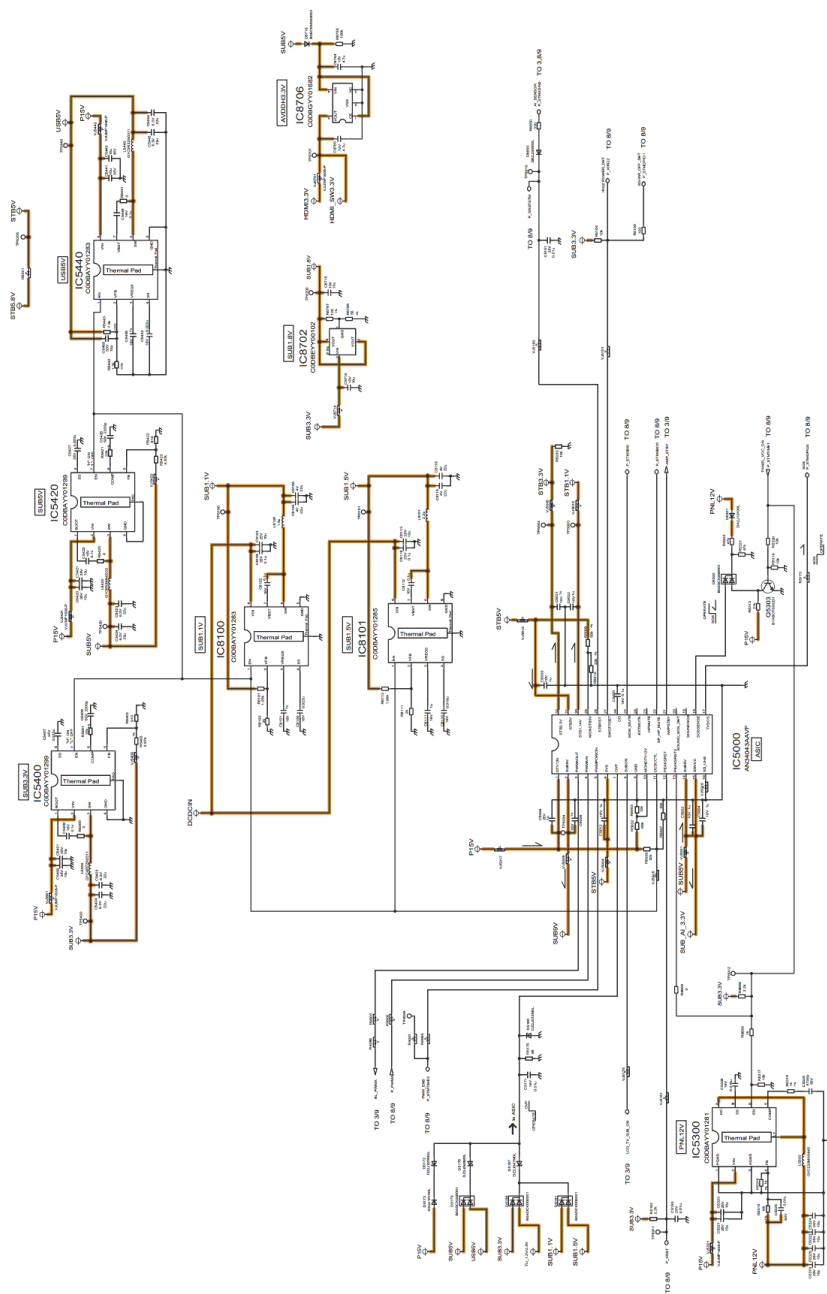
A-BOARD(3/9)

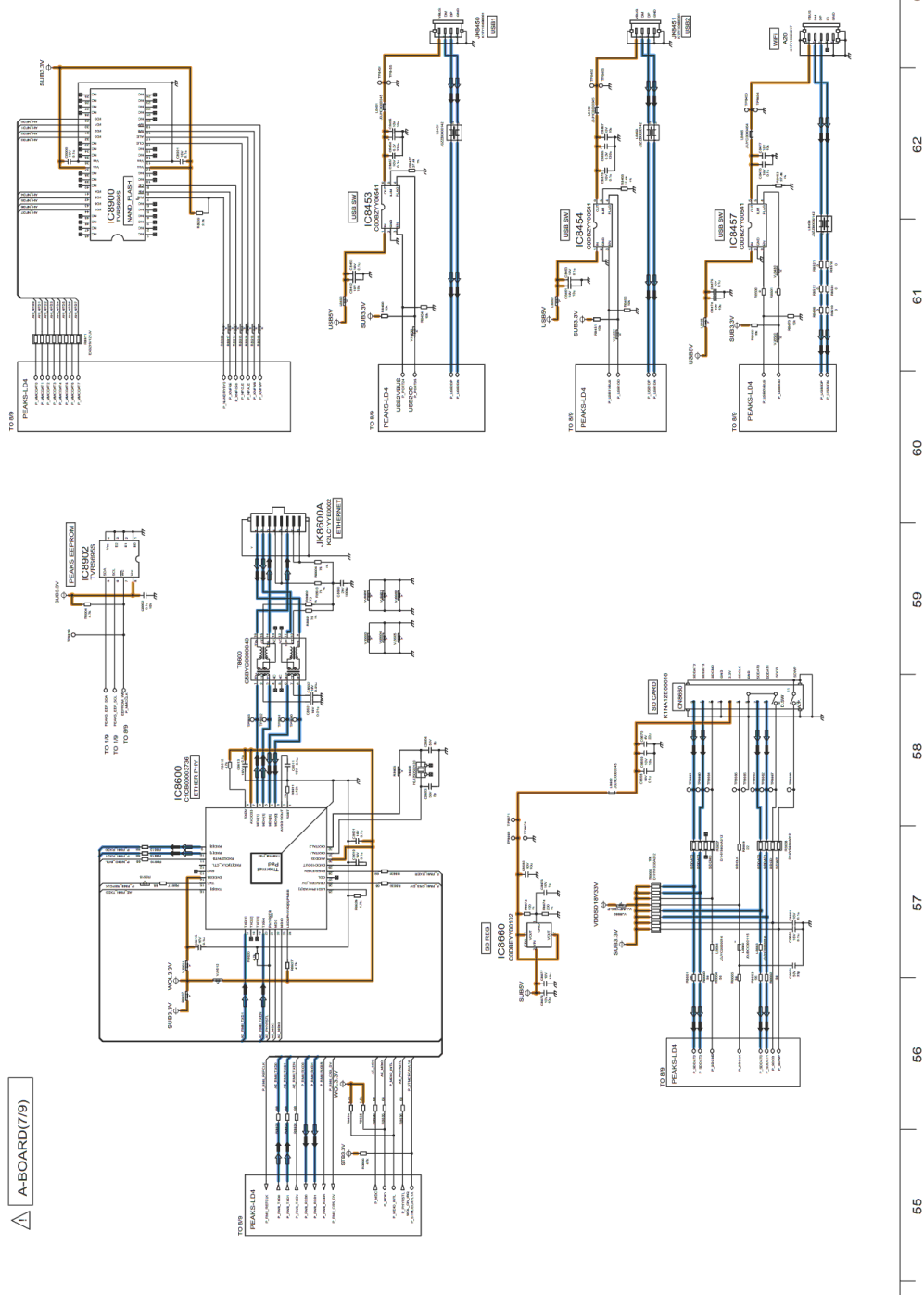


19 20 21 22 23 24 25 26 27



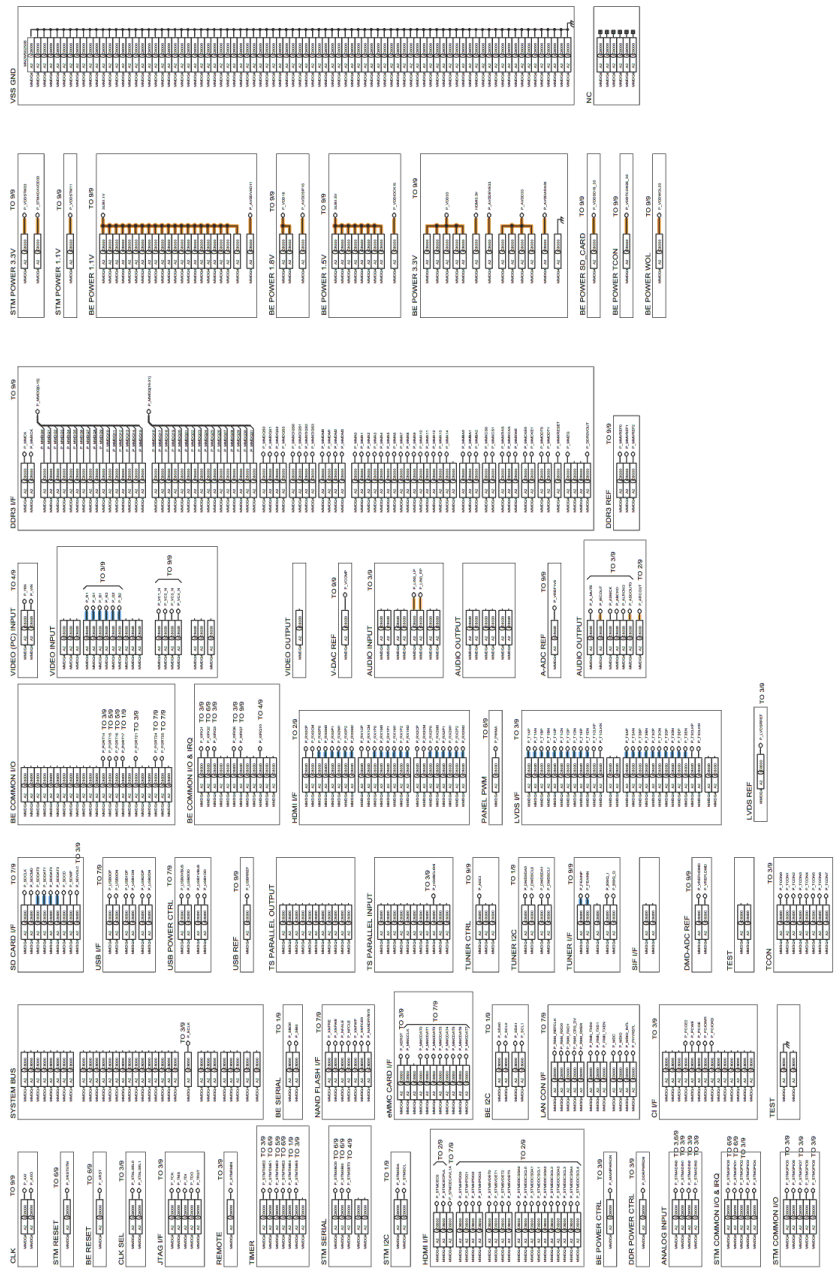






A-BOARD(8/9)

FRONT
IC8000
MICROPROCESSOR



72

71

70

69

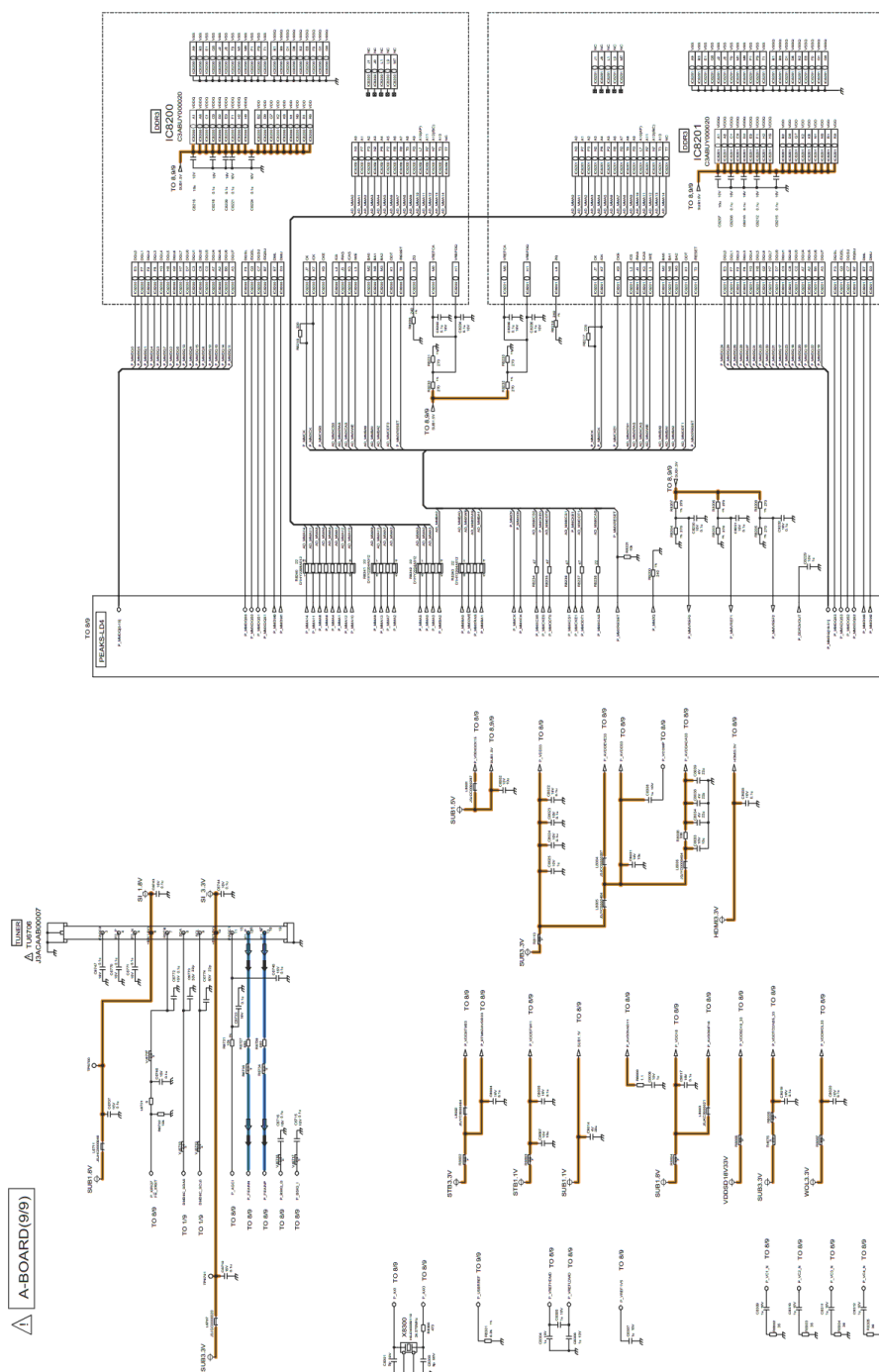
68

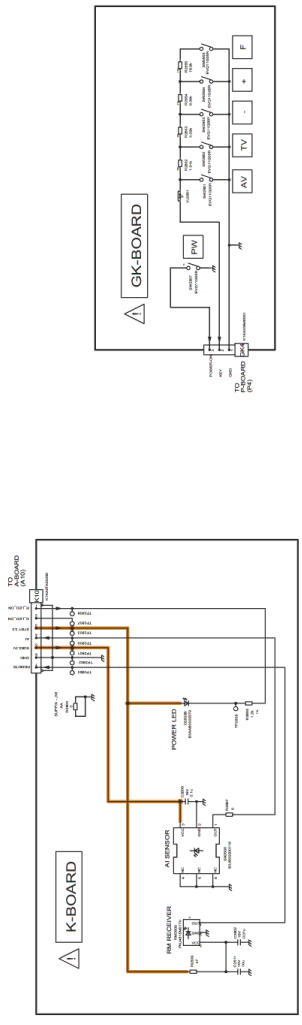
67

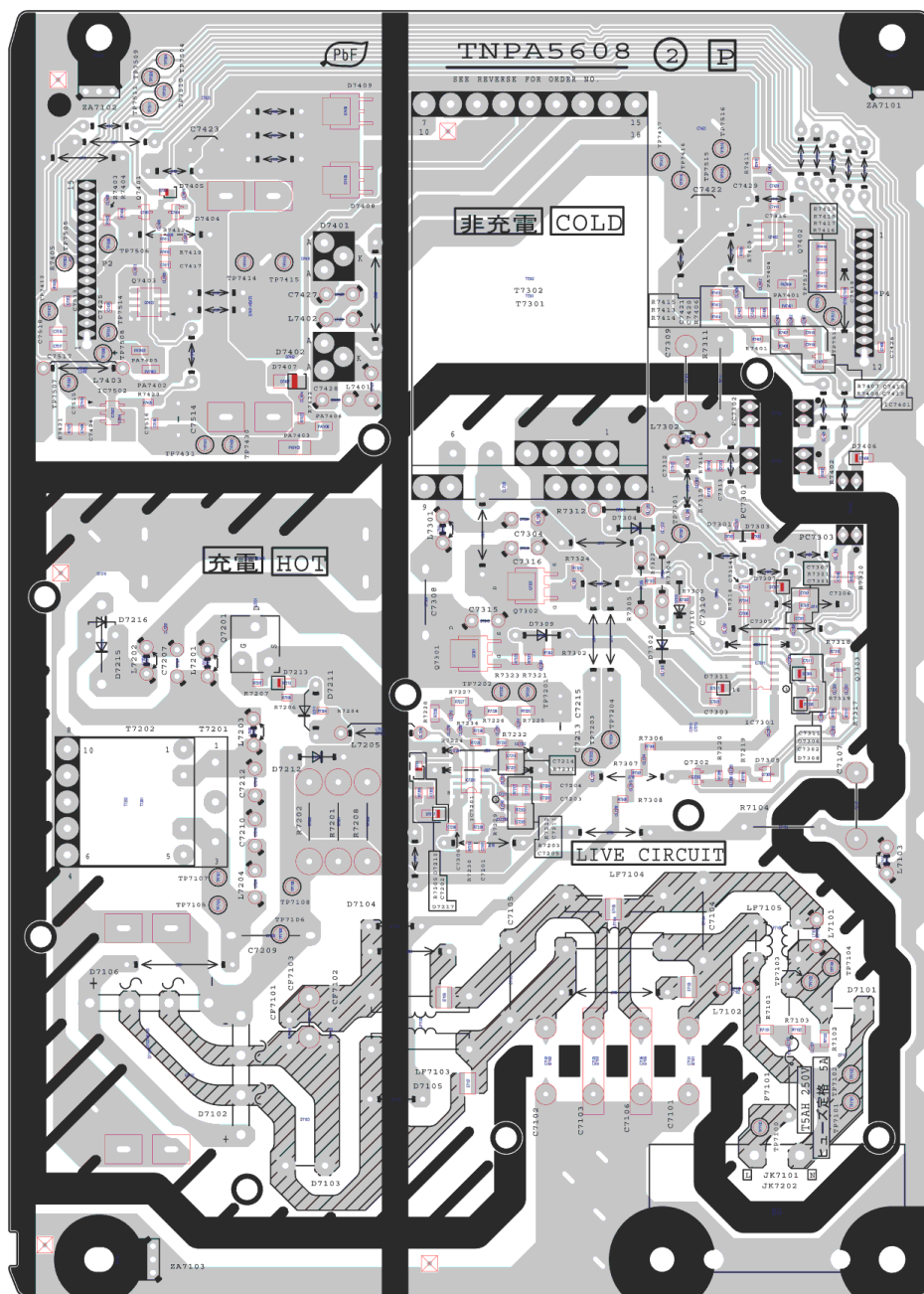
66

65

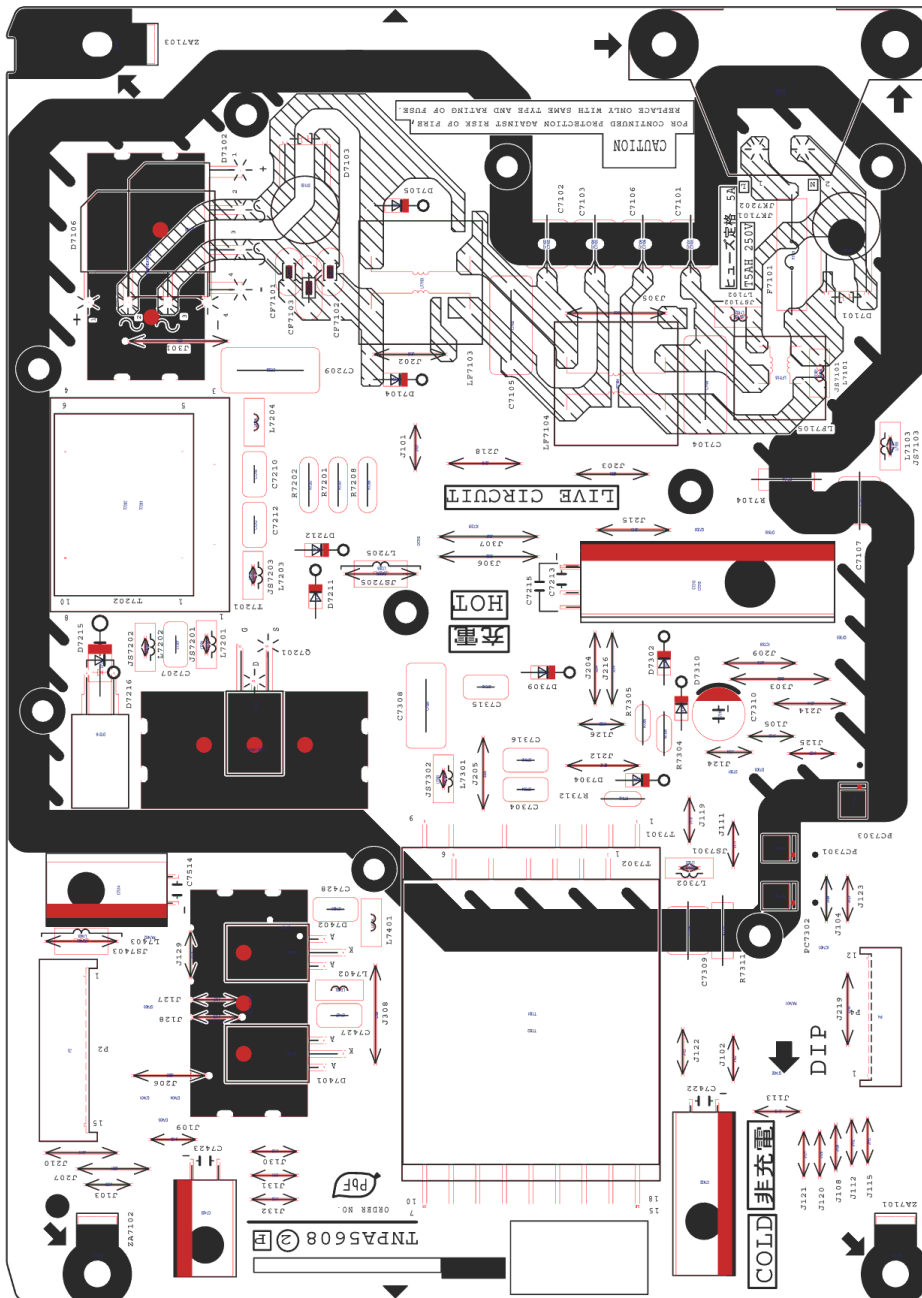
64

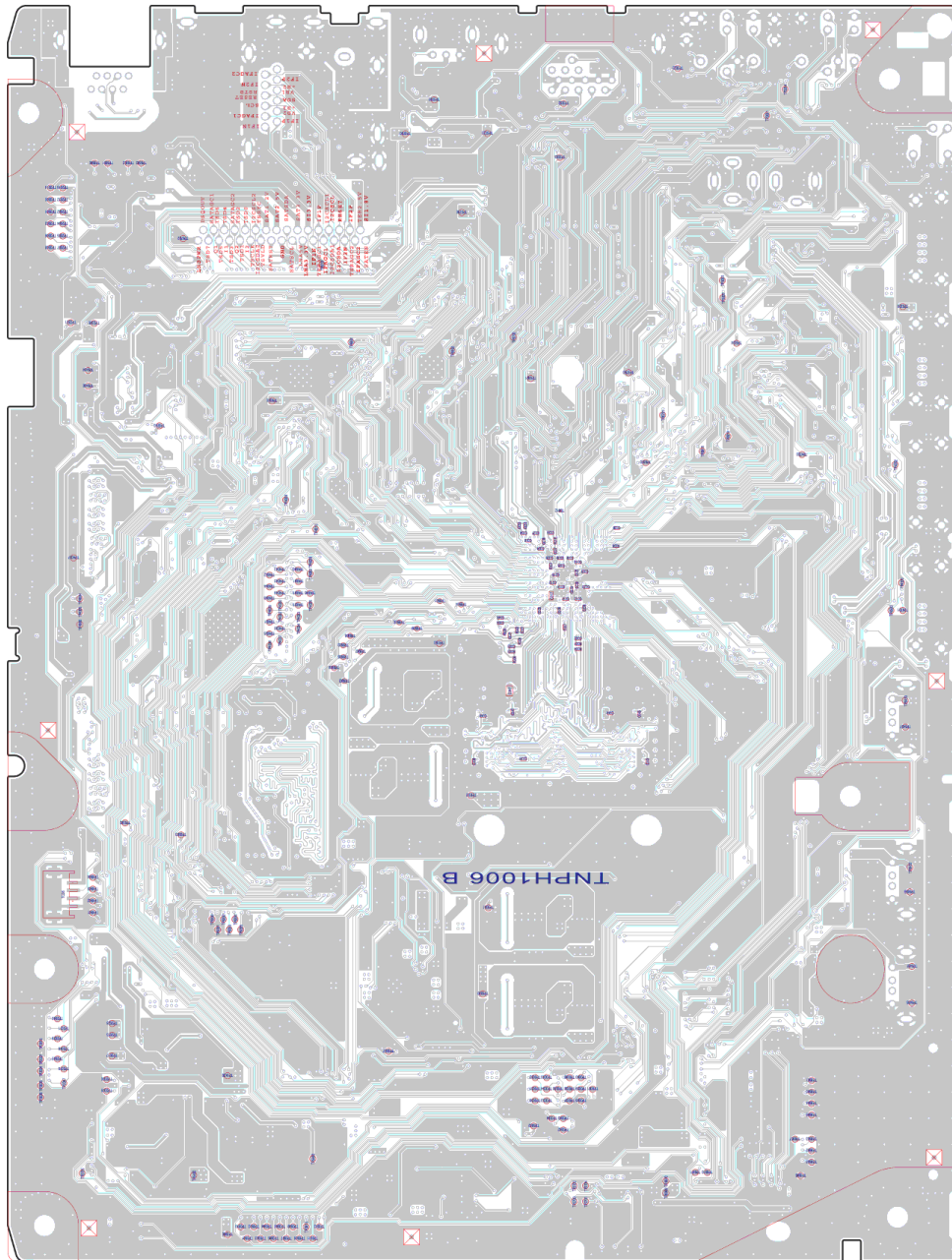




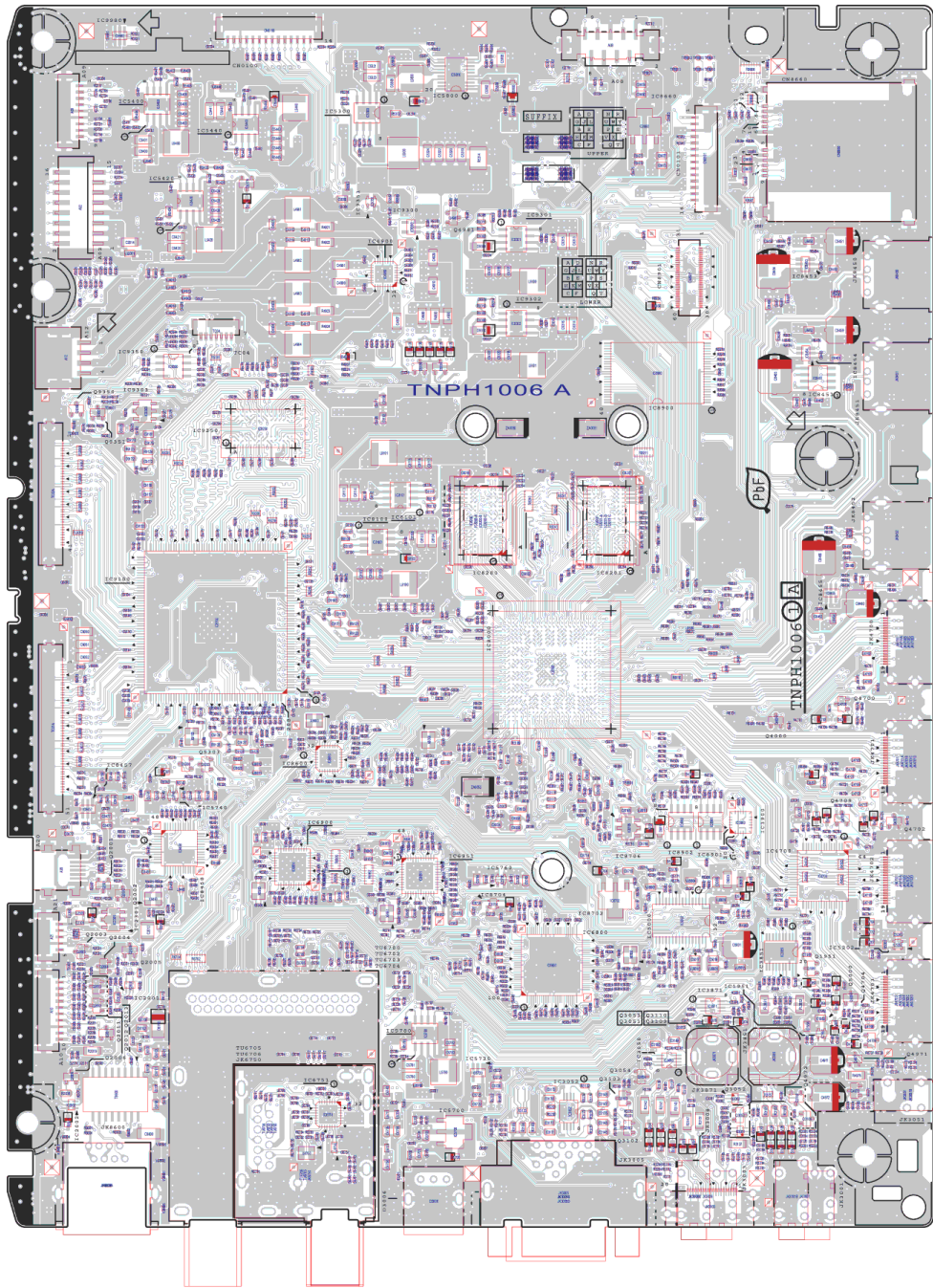


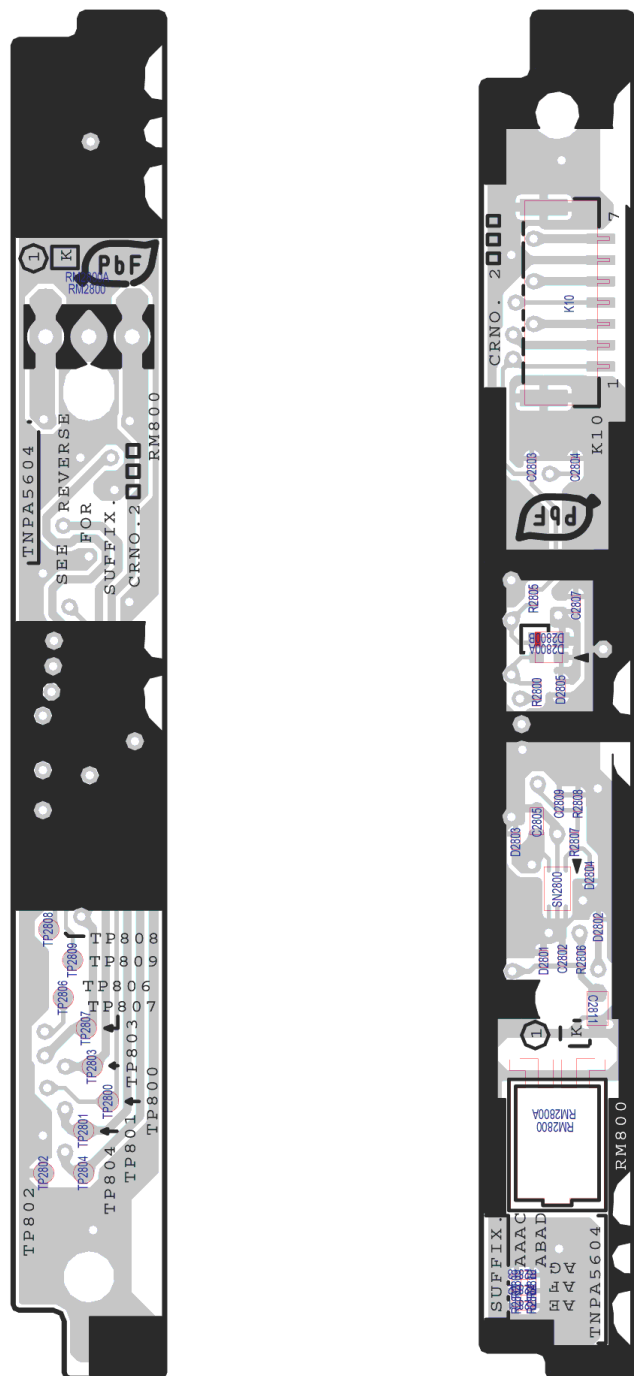
Model No. : TC-L47ET5 P-Board (Component Side)

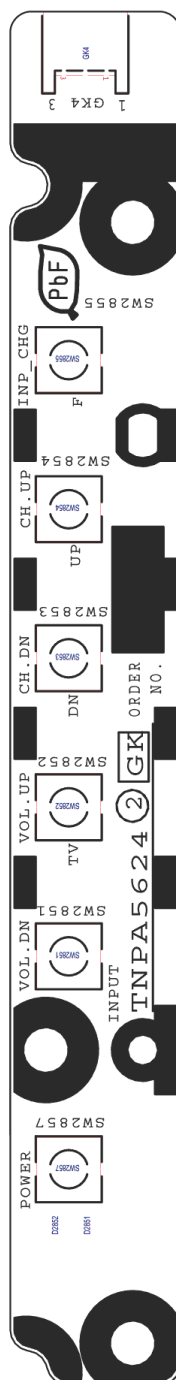
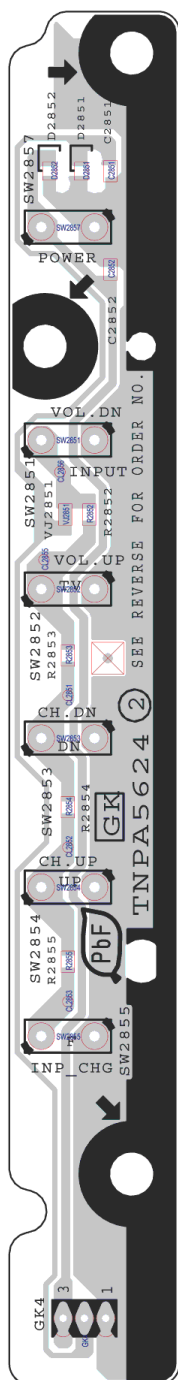




Model No. : TC-L47ET5 A-Board (Component Side)







Model No. : TC-L47ET5 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	PCB	TXN/A1SKUUS	CIRCUIT BOARD A	1	(RTL) PAVCA
	PCB	TXN/K1SKUUS	CIRCUIT BOARD K	1	(RTL) PAVCA
	PCB	TXN/P1SKUU	CIRCUIT BOARD P	1	(RTL) PAVCA
	PCB	TXNGK1SLUU	CIRCUIT BOARD GK	1	(RTL) PAVCA
	A02	K1KY16BA0394	16P CONNECTOR	1	PAVCA
	A10	K1KA10B00218	10P CONNECTOR	1	
	A12	K1KY04BA0387	4P CONNECTOR	1	PAVCA
	A20	K1FY105E0017	CONNECTOR	1	PAVCA
	C0900	F1G1H220A834	C 22PF, 50V	1	PAVCA
	C0902	F1G1H220A834	C 22PF, 50V	1	PAVCA
	C1958	F1G1E1030005	C 0.01UF 25V	1	
	C2000	F1G1A105A047	C 1UF 10V	1	
	C2014	F1K1E106A134	C 10UF, 25V	1	
	C2023	F1G1C104A077	C 0.1UF 16V	1	
	C2802	F1G1C1030008	C 0.01UF 16V	1	
	C2805	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C2811	F1J1A106A087	C 10UF, 10V	1	
	C3084	F1H0J105A051	C 1UF, 6.3V	1	PAVCA
	C3085	F1H0J105A051	C 1UF, 6.3V	1	PAVCA
	C3086	F1H0J105A051	C 1UF, 6.3V	1	PAVCA
	C3116	F1H0J105A051	C 1UF, 6.3V	1	PAVCA
	C3117	F1H0J105A051	C 1UF, 6.3V	1	PAVCA
	C3118	F1H0J105A051	C 1UF, 6.3V	1	PAVCA
	C3159	F1H1A105A099	C 1UF, 10V	1	PAVCA
	C3160	F1H1A105A099	C 1UF, 10V	1	PAVCA
	C4702	F1H0J105A051	C 1UF, 6.3V	1	PAVCA
	C4713	F1G1C104A077	C 0.1UF 16V	1	
	C4716	F1G1C104A077	C 0.1UF 16V	1	
	C4722	F1G1C104A077	C 0.1UF 16V	1	
	C4723	F1G1C104A077	C 0.1UF 16V	1	
	C4727	F1J1A106A087	C 10UF, 10V	1	
	C4900	F1K1V106A010	C 10UF, 25V	1	PAVCA
	C4901	F1K1V106A010	C 10UF, 25V	1	PAVCA
	C4903	F1G1C104A077	C 0.1UF 16V	1	
	C4904	F1G1C104A077	C 0.1UF 16V	1	
	C4905	F1G1C104A077	C 0.1UF 16V	1	
	C4906	F1G1C104A077	C 0.1UF 16V	1	
	C4907	F1K1V106A010	C 10UF, 25V	1	PAVCA
	C4909	F1K1V106A010	C 10UF, 25V	1	PAVCA
	C4921	F1J1E474A272	C 4.7UF, 25V	1	PAVCA
	C4922	F1J1E474A272	C 4.7UF, 25V	1	PAVCA
	C4923	F1J1E474A272	C 4.7UF, 25V	1	PAVCA
	C4924	F1J1E474A272	C 4.7UF, 25V	1	PAVCA
	C5000	F1G1A105A047	C 1UF 10V	1	
	C5002	F1G1A105A047	C 1UF 10V	1	
	C5004	F1G1A105A047	C 1UF 10V	1	
	C5006	F1J1E105A287	C 1UF, 25V	1	PAVCA
	C5012	F1G1A105A047	C 1UF 10V	1	
	C5020	F1G1C104A077	C 0.1UF 16V	1	
	C5021	F1G1A105A047	C 1UF 10V	1	
	C5022	F1G1A105A047	C 1UF 10V	1	
	C5026	F1H1C105A145	C 1 uF 16 V	1	
	C5150	F1G1E1030005	C 0.01UF 25V	1	
	C5151	F1G1E1030005	C 0.01UF 25V	1	
	C5171	F1G1C1030008	C 0.01UF 16V	1	
	C5318	F1G1H332A730	C 3300PF, 50V	1	PAVCA
	C5319	F1K1E106A134	C 10UF, 25V	1	
	C5320	F1K1E106A134	C 10UF, 25V	1	
	C5321	F1K1E106A134	C 10UF, 25V	1	

Model No. : TC-L47ET5 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C5322	F1K1E106A134	C 10UF, 25V	1	
	C5323	F1K1E106A134	C 10UF, 25V	1	
	C5324	F1K1E106A134	C 10UF, 25V	1	
	C5325	F1G1H103A835	C 0.01UF, 50V	1	PAVCA
	C5326	F1G1C183A116	C 0.018UF, 16V	1	
	C5328	F1G1H472A571	C 4700PF, 50V	1	
	C5400	F1K1V106A010	C 10UF, 25V	1	PAVCA
	C5401	F1K1V106A010	C 10UF, 25V	1	PAVCA
	C5402	F1G1C104A077	C 0.1UF 16V	1	
	C5403	F1J0J2260004	C 22 UF 6.3 V	1	
	C5404	F1J0J2260004	C 22 UF 6.3 V	1	
	C5407	F1G1E333A059	C 0.033UF, 25V	1	PAVCA
	C5408	F1G1H222A830	C 2200PF, 50V	1	PAVCA
	C5420	F1K1V106A010	C 10UF, 25V	1	PAVCA
	C5421	F1K1V106A010	C 10UF, 25V	1	PAVCA
	C5422	F1G1C104A077	C 0.1UF 16V	1	
	C5423	F1J0J2260004	C 22 UF 6.3 V	1	
	C5424	F1J0J2260004	C 22 UF 6.3 V	1	
	C5427	F1G1E333A059	C 0.033UF, 25V	1	PAVCA
	C5428	F1G1H222A830	C 2200PF, 50V	1	PAVCA
	C5440	F1K1V106A010	C 10UF, 25V	1	PAVCA
	C5441	F1K1V106A010	C 10UF, 25V	1	PAVCA
	C5442	F1G1C223A081	C 0.022UF, 16V	1	
	C5443	F1J0J2260004	C 22 UF 6.3 V	1	
	C5444	F1J0J2260004	C 22 UF 6.3 V	1	
	C5448	F1H1C105A145	C 1 uF 16 V	1	
	C5449	F1G1C104A077	C 0.1UF 16V	1	
	C5450	F1G1H100A833	C 10PF 50V	1	PAVCA
	C6707	F1G1C104A077	C 0.1UF 16V	1	
	C6710	F1G1C104A077	C 0.1UF 16V	1	
	C6712	F1G1C104A077	C 0.1UF 16V	1	
	C6713	F1G1C104A077	C 0.1UF 16V	1	
	C6715	F1G1C104A077	C 0.1UF 16V	1	
	C6716	F1G1C104A077	C 0.1UF 16V	1	
	C6733	F1G1C104A077	C 0.1UF 16V	1	
	C6743	F1G1C104A077	C 0.1UF 16V	1	
	C6744	F1G1C104A077	C 0.1UF 16V	1	
	C6745	F1G1C104A077	C 0.1UF 16V	1	
	C6746	F1G1C104A077	C 0.1UF 16V	1	
	C6747	F1G1C104A077	C 0.1UF 16V	1	
	C6770	F1G1C104A077	C 0.1UF 16V	1	
	C6771	F1G1C104A077	C 0.1UF 16V	1	
	C6772	F1G1C104A077	C 0.1UF 16V	1	
	C6773	F1G1H220A834	C 22PF, 50V	1	PAVCA
	C6774	F1G1H220A834	C 22PF, 50V	1	PAVCA
⚠	C7102	F1A2E471A007	C 470PF, 250V	1	PAVCA
⚠	C7103	F1A2E471A007	C 470PF, 250V	1	PAVCA
⚠	C7104	F0CAF224A124	C 0.22UF, 250V	1	PAVCA
⚠	C7105	F0CAF224A124	C 0.22UF, 250V	1	PAVCA
⚠	C7107	F1A2E471A007	C 470PF, 250V	1	PAVCA
	C7201	F1J1H102A909	C 1000pF, 50V	1	PAVCA
	C7202	F1J1H102A909	C 1000pF, 50V	1	PAVCA
	C7203	F1J1H223A900	C 0.022UF, 50V	1	PAVCA
	C7204	F1J1E224A272	C 2.2UF, 25V	1	PAVCA
	C7206	F1J1E475A257	C 47UF, 25V	1	PAVCA
	C7207	F1A3A221A060	C 220PF 1KV	1	
⚠	C7209	ECWF2W105KAC	C 1UF, 450V	1	PAVCA
	C7213	F2A2W6800011	C 68UF 450V	1	PAVCA
	C7214	F1J1H102A909	C 1000pF, 50V	1	PAVCA
	C7302	F1J1H104A902	C 0.1UF, 50V	1	PAVCA
	C7303	F1J1H104A902	C 0.1UF, 50V	1	PAVCA
	C7304	F1A3A221A060	C 220PF 1KV	1	

Model No. : TC-L47ET5 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C7305	F1J1H104A902	C 0.1UF, 50V	1	PAVCA
	C7306	F1J1H104A902	C 0.1UF, 50V	1	PAVCA
	C7307	F1J1H101A906	C 100PF, 50V	1	PAVCA
	C7308	ECWH8223HAC	C 0.022UF, Z, 800V	1	PAVCA
	C7310	F2A1V3310067	C 150UF 35V	1	PAVCA
	C7311	F1J1E105A287	C 1UF, 25V	1	PAVCA
	C7312	F1J1H474A757	C 0.47UF, 50V	1	
	C7313	F1J1H102A909	C 1000pF, 50V	1	PAVCA
	C7314	F1J1H101A906	C 100PF, 50V	1	PAVCA
	C7315	F1A3A221A060	C 220PF 1KV	1	
	C7316	F1A3A221A060	C 220PF 1KV	1	
	C7416	F1J1C475A225	C 4.7UF, 10V	1	PAVCA
	C7417	F1J1E105A287	C 1UF, 25V	1	PAVCA
	C7418	F1J1H104A902	C 0.1UF, 50V	1	PAVCA
	C7422	F2A1V6810039	C 680UF 35V	1	PAVCA
	C7423	F2A1E6810033	E 680UF 25V	1	PAVCA
	C7427	F1A3A471A060	C 470PF 1KV	1	
	C7428	F1A3A471A060	C 470PF 1KV	1	
	C7429	F1K1E106A134	C 10UF, 25V	1	
	C7514	F2A1C2220116	C 2200UF 16V	1	PAVCA
	C7515	F1J1E105A287	C 1UF, 25V	1	PAVCA
	C8002	F1J1A106A087	C 10UF, 10V	1	
	C8004	F1G1C104A077	C 0.1UF 16V	1	
	C8005	F1G1C104A077	C 0.1UF 16V	1	
	C8007	F1J1A106A087	C 10UF, 10V	1	
	C8014	F1J0G2260001	C 22 UF 4 V	1	
	C8017	F1G1C104A077	C 0.1UF 16V	1	
	C8019	F1G1C104A077	C 0.1UF 16V	1	
	C8020	F1G1C104A077	C 0.1UF 16V	1	
	C8022	F1G1C104A077	C 0.1UF 16V	1	
	C8023	F1G1C104A077	C 0.1UF 16V	1	
	C8024	F1G1C104A077	C 0.1UF 16V	1	
	C8025	F1G1A105A047	C 1UF 10V	1	
	C8031	F1J1A106A087	C 10UF, 10V	1	
	C8033	F1J1A106A087	C 10UF, 10V	1	
	C8034	F1J0G2260001	C 22 UF 4 V	1	
	C8035	F1G1C104A077	C 0.1UF 16V	1	
	C8036	F1G1A105A047	C 1UF 10V	1	
	C8038	F1J0G2260001	C 22 UF 4 V	1	
	C8039	F1J0G2260001	C 22 UF 4 V	1	
	C8100	F1G1C223A146	C 0.022UF, 16V	1	PAVCA
	C8101	F1H1C105A145	C 1 uF 16 V	1	
	C8102	F1G1C104A077	C 0.1UF 16V	1	
	C8103	F1K1E106A134	C 10UF, 25V	1	
	C8105	F1J0G2260001	C 22 UF 4 V	1	
	C8106	F1J0G2260001	C 22 UF 4 V	1	
	C8108	ECJ1VB1E104K	C 0.1 UF, 25V	1	
	C8110	F1G1C183A146	C 0.018UF, 16V	1	PAVCA
	C8111	F1H1C105A145	C 1 uF 16 V	1	
	C8112	F1G1C104A077	C 0.1UF 16V	1	
	C8113	F1K1E106A134	C 10UF, 25V	1	
	C8115	F1J0G2260001	C 22 UF 4 V	1	
	C8116	F1J0G2260001	C 22 UF 4 V	1	
	C8118	ECJ1VB1E104K	C 0.1 UF, 25V	1	
	C8203	F1G1C104A077	C 0.1UF 16V	1	
	C8204	F1G1C104A077	C 0.1UF 16V	1	
	C8205	F1G1C104A077	C 0.1UF 16V	1	
	C8206	F1G1C104A077	C 0.1UF 16V	1	
	C8207	F1J1A106A087	C 10UF, 10V	1	
	C8208	F1G1C104A077	C 0.1UF 16V	1	
	C8210	F1G1C104A077	C 0.1UF 16V	1	
	C8212	F1G1C104A077	C 0.1UF 16V	1	

Model No. : TC-L47ET5 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C8215	F1G1C104A077	C 0.1UF 16V	1	
	C8216	F1J1A106A087	C 10UF, 10V	1	
	C8218	F1G1C104A077	C 0.1UF 16V	1	
	C8220	F1G1C104A077	C 0.1UF 16V	1	
	C8221	F1G1C104A077	C 0.1UF 16V	1	
	C8224	F1G1C104A077	C 0.1UF 16V	1	
	C8229	F1G1A105A047	C 1UF 10V	1	
	C8230	F1G1C104A077	C 0.1UF 16V	1	
	C8231	F1G1C104A077	C 0.1UF 16V	1	
	C8232	F1G1C104A077	C 0.1UF 16V	1	
	C8300	F1G1H9R0A831	C 9 PF, 50V	1	PAVCA
	C8301	F1G1H9R0A831	C 9 PF, 50V	1	PAVCA
	C8304	F1G1A105A047	C 1UF 10V	1	
	C8305	F1G1A105A047	C 1UF 10V	1	
	C8306	F1G1A105A047	C 1UF 10V	1	
	C8307	F1G1A105A047	C 1UF 10V	1	
	C8308	F1G1A105A047	C 1UF 10V	1	
	C8309	F1G1A105A047	C 1UF 10V	1	
	C8310	F1G1A105A047	C 1UF 10V	1	
	C8311	F1G1A105A047	C 1UF 10V	1	
	C8312	F1G1A105A047	C 1UF 10V	1	
	C8452	F1J1A106A087	C 10UF, 10V	1	
	C8453	F1G1C104A077	C 0.1UF 16V	1	
	C8454	EEH0J221UP	E 220UF, 6.3V	1	
	C8455	F1J1A106A087	C 10UF, 10V	1	
	C8457	F1G1C104A077	C 0.1UF 16V	1	
	C8461	F1J1A106A087	C 10UF, 10V	1	
	C8463	F1G1C104A077	C 0.1UF 16V	1	
	C8465	EEH0J221UP	E 220UF, 6.3V	1	
	C8467	F1J1A106A087	C 10UF, 10V	1	
	C8470	F1G1C104A077	C 0.1UF 16V	1	
	C8474	F1J1A106A087	C 10UF, 10V	1	
	C8475	F1G1C104A077	C 0.1UF 16V	1	
	C8477	F1J1A106A087	C 10UF, 10V	1	
	C8478	F1G1C104A077	C 0.1UF 16V	1	
	C8600	F1L3D1020008	C 1000PF 2000V	1	
	C8601	F1G1C1030008	C 0.01UF 16V	1	
	C8602	F1G1C1030008	C 0.01UF 16V	1	
	C8603	F1G1H8R0A831	C 8 PF, 50V	1	PAVCA
	C8604	F1G1H8R0A831	C 8 PF, 50V	1	PAVCA
	C8611	F1G1C104A077	C 0.1UF 16V	1	
	C8613	F1G1C104A077	C 0.1UF 16V	1	
	C8615	F1G1C104A077	C 0.1UF 16V	1	
	C8619	F1G1C104A077	C 0.1UF 16V	1	
	C8621	F1G1C104A077	C 0.1UF 16V	1	
	C8660	F1G1C104A077	C 0.1UF 16V	1	
	C8661	F1G1C104A077	C 0.1UF 16V	1	
	C8668	F1G1C104A077	C 0.1UF 16V	1	
	C8669	F1J1A106A087	C 10UF, 10V	1	
	C8670	F1J0G2260001	C 22 UF 4 V	1	
	C8671	F1G1H220A834	C 22PF, 50V	1	PAVCA
	C8673	F1J1A106A087	C 10UF, 10V	1	
	C8675	F1G1A105A047	C 1UF 10V	1	
	C8677	F1J1A106A087	C 10UF, 10V	1	
	C8680	F1J1A106A087	C 10UF, 10V	1	
	C8714	F1J1A106A087	C 10UF, 10V	1	
	C8715	F1J1A106A087	C 10UF, 10V	1	
	C8764	F1J1A475A039	C 4.7UF, 10V	1	
	C8765	F1J1A475A039	C 4.7UF, 10V	1	
	C8850	F1G1E1030005	C 0.01UF 25V	1	
	C8900	F1G1C104A077	C 0.1UF 16V	1	
	C8901	F1G1C104A077	C 0.1UF 16V	1	

Model No. : TC-L47ET5 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C8902	F1G1C104A077	C 0.1UF 16V	1	
	C9052	F1K1E106A134	C 10UF, 25V	1	
	C9053	F1H1H103B047	C 0.01UF, 50V	1	PAVCA
	C9100	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9101	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9102	F1G1C104A077	C 0.1UF 16V	1	
	C9104	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9112	F1G1C104A077	C 0.1UF 16V	1	
	C9113	F1G1C104A077	C 0.1UF 16V	1	
	C9114	F1G1C104A077	C 0.1UF 16V	1	
	C9116	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9117	F1G1C104A077	C 0.1UF 16V	1	
	C9118	F1G1C104A077	C 0.1UF 16V	1	
	C9119	F1H1A105A099	C 1UF, 10V	1	PAVCA
	C9122	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9123	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9124	F1G1C104A077	C 0.1UF 16V	1	
	C9128	F1H1A105A099	C 1UF, 10V	1	PAVCA
	C9131	F1G1C104A077	C 0.1UF 16V	1	
	C9133	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9134	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9135	F1G1C104A077	C 0.1UF 16V	1	
	C9136	F1G1C104A077	C 0.1UF 16V	1	
	C9138	F1H1A105A099	C 1UF, 10V	1	PAVCA
	C9139	F1H1A105A099	C 1UF, 10V	1	PAVCA
	C9140	F1G1C104A077	C 0.1UF 16V	1	
	C9142	F1G1C104A077	C 0.1UF 16V	1	
	C9145	F1G1C104A077	C 0.1UF 16V	1	
	C9146	F1G1C104A077	C 0.1UF 16V	1	
	C9148	F1J0G2260001	C 22 UF 4 V	1	
	C9151	F1G1C104A077	C 0.1UF 16V	1	
	C9152	F1G1C1030008	C 0.01UF 16V	1	
	C9155	F1J0G2260001	C 22 UF 4 V	1	
	C9156	F1J1A106A087	C 10UF, 10V	1	
	C9157	F1J0G2260001	C 22 UF 4 V	1	
	C9160	F1J1A106A087	C 10UF, 10V	1	
	C9162	F1G1C104A077	C 0.1UF 16V	1	
	C9163	F1G1H120A834	C 12PF, 50V	1	PAVCA
	C9164	F1G1C104A077	C 0.1UF 16V	1	
	C9165	F1G1C104A077	C 0.1UF 16V	1	
	C9166	F1G1C104A077	C 0.1UF 16V	1	
	C9167	F1G1C104A077	C 0.1UF 16V	1	
	C9168	F1G1C104A077	C 0.1UF 16V	1	
	C9169	F1G1H120A834	C 12PF, 50V	1	PAVCA
	C9170	F1J0G2260001	C 22 UF 4 V	1	
	C9171	F1J0G2260001	C 22 UF 4 V	1	
	C9172	F1J0G2260001	C 22 UF 4 V	1	
	C9173	F1J0G2260001	C 22 UF 4 V	1	
	C9174	F1J0G2260001	C 22 UF 4 V	1	
	C9182	F1J0G2260001	C 22 UF 4 V	1	
	C9183	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9184	F1G1C104A077	C 0.1UF 16V	1	
	C9250	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9251	F1G1A104A069	C 0.1UF 10V	1	PAVCA
	C9252	F1G1A104A069	C 0.1UF 10V	1	PAVCA
	C9253	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9254	F1J0G2260001	C 22 UF 4 V	1	
	C9255	F1G1A104A069	C 0.1UF 10V	1	PAVCA
	C9256	F1G1A104A069	C 0.1UF 10V	1	PAVCA
	C9259	F1G1A104A069	C 0.1UF 10V	1	PAVCA
	C9260	F1G1A104A069	C 0.1UF 10V	1	PAVCA
	C9261	F1G1A104A069	C 0.1UF 10V	1	PAVCA

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C9262	F1G1A104A069	C 0.1UF 10V	1	PAVCA
	C9266	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9275	F1G1C104A077	C 0.1UF 16V	1	
	C9278	F1G1H471A830	C 470PF, 50V	1	PAVCA
	C9279	F1G1A105A047	C 1UF 10V	1	
	C9280	F1G1A104A069	C 0.1UF 10V	1	PAVCA
	C9303	F1H1C105A145	C 1 uF 16 V	1	
	C9304	F1G1C104A077	C 0.1UF 16V	1	
	C9306	F1H1C105A145	C 1 uF 16 V	1	
	C9307	F1G1C1030008	C 0.01UF 16V	1	
	C9309	F1G1C104A077	C 0.1UF 16V	1	
	C9310	ECJ1VBE104K	C 0.1 UF, 25V	1	
	C9311	F1G1C104A077	C 0.1UF 16V	1	
	C9312	ECJ1VBE104K	C 0.1 UF, 25V	1	
	C9313	F1K1E106A134	C 10UF, 25V	1	
	C9314	F1K1E106A134	C 10UF, 25V	1	
	C9315	F1K1E106A134	C 10UF, 25V	1	
	C9317	F1J0G2260001	C 22 UF 4 V	1	
	C9318	F1J0G2260001	C 22 UF 4 V	1	
	C9319	F1J0G2260001	C 22 UF 4 V	1	
	C9323	F1J1A106A087	C 10UF, 10V	1	
	C9329	F1H1A105A099	C 1UF, 10V	1	PAVCA
	C9355	F1G1A1040006	C 0.1UF 10V	1	
	C9359	F1J1A106A087	C 10UF, 10V	1	
	C9362	F1H1A105A099	C 1UF, 10V	1	PAVCA
	CF7101	D4CA94R0A001	THERMISTOR	1	PAVCA
	CF7102	D4CA94R0A001	THERMISTOR	1	PAVCA
	CN0100	K1KA14A00248	14P CONNECTOR	1	
	CN8660	K1NA12E00016	12P CONNECTOR	1	
	D2800B	B3AAB0000379	DIODE	1	
	D3006	K7AAY000014	PHOTO LINK	1	PAVCA
	D3100	DZ2J140M0L	ZENER DIODE	1	
	D3101	DZ2J140M0L	ZENER DIODE	1	
	D3102	DZ2J140M0L	ZENER DIODE	1	
	D3103	DZ2J140M0L	ZENER DIODE	1	
	D3104	DZ2J140M0L	ZENER DIODE	1	
	D3105	DZ2J140M0L	ZENER DIODE	1	
	D4702	DA2J10100L	DIODE	1	
	D4704	DB2J30900L	DIODE	1	PAVCA
	D4719	DA2J10100L	DIODE	1	
	D4735	DA2J10100L	DIODE	1	
	D4770	DA2J10100L	DIODE	1	
	D4785	DB2J30900L	DIODE	1	PAVCA
	D5172	DZ2J220M0L	TRANSISTOR	1	
	D5173	DA2J10100L	DIODE	1	
	D5178	DZ2J068M0L	ZENER DIODE	1	
	D5179	B0ADCK000001	DIODE	1	
	D5180	DZ2J033M0L	ZENER DIODE	1	
	D5187	DZ2J047M0L	ZENER DIODE	1	
	D5188	B0ADCK000001	DIODE	1	
	D5191	B0ADCK000001	DIODE	1	
	D5300	B0ADCK000001	DIODE	1	
	D5301	DA2J10100L	DIODE	1	
	D7101	ERZV10Q621CD	VARISTOR	1	PAVCA
	D7102	B0EBNR000048	DIODE	1	PAVCA
	D7104	B0EAKR000022	DIODE	1	PAVCA
	D7105	B0EAKR000022	DIODE	1	PAVCA
	D7211	B0JAME000091	DIODE	1	
	D7212	B0JAME000091	DIODE	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	D7216	B0HASR000018	DIODE	1	PAVCA
	D7217	B0BC02500002	ZENER DIODE	1	
	D7301	DZ2J039M0L	ZENER DIODE	1	
	D7302	B0HAGQ000001	DIODE	1	
	D7303	DZ2J039M0L	ZENER DIODE	1	
	D7304	B0HAGQ000001	DIODE	1	
	D7305	B0ADCK000001	DIODE	1	
	D7306	B0BC02500002	ZENER DIODE	1	
	D7307	B0BC02500002	ZENER DIODE	1	
	D7308	B0BC02500002	ZENER DIODE	1	
	D7309	B0JAME000091	DIODE	1	
	D7310	B0JAME000091	DIODE	1	
	D7311	B0BC02500002	ZENER DIODE	1	
	D7401	B0JBSK000024	DIODE	1	PAVCA
	D7402	B0JBSK000024	DIODE	1	PAVCA
	D7404	B0ADCK000001	DIODE	1	
	D7405	DA2J10100L	DIODE	1	
	D7407	B0JCFE000038	DIODE	1	
	D7408	B0JDSG000010	DIODE	1	PAVCA
	D7409	B0JDSG000010	DIODE	1	PAVCA
	D8716	B0ECKM000053	DIODE	1	
	D8850	DB2J30900L	DIODE	1	PAVCA
	F7101	K5E502YY0001	FUSE	1	PAVCA
	FL9056	J0ZZB0000147	NW_R(X4)	1	PAVCA
	FL9057	J0ZZB0000147	NW_R(X4)	1	PAVCA
	FL9058	J0ZZB0000147	NW_R(X4)	1	PAVCA
	FL9059	J0ZZB0000147	NW_R(X4)	1	PAVCA
	FL9060	J0ZZB0000147	NW_R(X4)	1	PAVCA
	FL9061	J0ZZB0000147	NW_R(X4)	1	PAVCA
	FL9068	J0ZZB0000147	NW_R(X4)	1	PAVCA
	FL9069	J0ZZB0000147	NW_R(X4)	1	PAVCA
	FL9070	J0ZZB0000147	NW_R(X4)	1	PAVCA
	FL9071	J0ZZB0000147	NW_R(X4)	1	PAVCA
	FL9072	J0ZZB0000147	NW_R(X4)	1	PAVCA
	FL9073	J0ZZB0000147	NW_R(X4)	1	PAVCA
	GK4	K1KA03BA0061	3P CONNECTOR	1	
	IC4700	C1AB00003469	IC	1	
	IC4900	C1AB00003871	IC	1	PAVCA
	IC5000	AN34043AAVF	IC	1	
	IC5300	C0DBAYY01281	IC	1	PAVCA
	IC5400	C0DBAYY01299	IC	1	PAVCA
	IC5420	C0DBAYY01299	IC	1	PAVCA
	IC5440	C0DBAYY01283	IC	1	PAVCA
	IC7201	C0DBBY000050	IC	1	PAVCA
	IC7301	C0DBAYY01329	IC	1	PAVCA
	IC7401	C0DBZYY00531	IC	1	PAVCA
	IC7502	C0DBGYY03054	IC	1	PAVCA
	IC8000	MN2WS0250B	IC	1	PAVCA
	IC8100	C0DBAYY01283	IC	1	PAVCA
	IC8101	C0DBAYY01285	IC	1	PAVCA
	IC8200	C3ABUY000020	IC	1	PAVCA
	IC8201	C3ABUY000020	IC	1	PAVCA
	IC8453	C0DBZYY00541	IC	1	PAVCA
	IC8454	C0DBZYY00541	IC	1	PAVCA
	IC8457	C0DBZYY00541	IC	1	PAVCA
	IC8600	C1CB00003736	IC	1	PAVCA
	IC8660	C0DBEYY00102	IC	1	PAVCA
	IC8702	C0DBEYY00102	IC	1	PAVCA

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	IC8706	C0DBGYY01682	IC	1	
	IC8900	TVRS696ADS	IC	1	PAVCA
	IC8902	TVRS695S	IC	1	PAVCA
	IC9100	C1AB00003869	IC	1	PAVCA
	IC9250	C3ABSY000090	IC	1	PAVCA
	IC9300	C0EBK0000129	IC	1	PAVCA
	IC9301	C0DBAYY01285	IC	1	PAVCA
	IC9302	C0DBAYY01285	IC	1	PAVCA
	IC9303	C0DBGFD00011	IC	1	
	IC9350	TVRS862S	IC SPI FLASH	1	PAVCA
	IC9351	C0DBGYY00887	IC	1	
	J218	D0AF2R2JA112	C 2.2 OHM, J,1/2W	1	PAVCA
	JK3001	K2HE2YYB0001	JACK	1	PAVCA
	JK3005B	K1FY315B0003	CONNECTOR	1	PAVCA
	JK4700A	K1FY119E0050	CONNECTOR	1	PAVCA
	JK4701A	K1FY119E0050	CONNECTOR	1	PAVCA
	JK4702A	K1FY119E0050	CONNECTOR	1	PAVCA
	JK4703A	K1FY119E0050	CONNECTOR	1	PAVCA
	JK7202	K2AEYB000001	AC INLET	1	PAVCA
	JK8450	K1FY104B0081	CONNECTOR	1	PAVCA
	JK8451	K1FY104B0081	CONNECTOR	1	PAVCA
	JK8600A	K2LC1YYE0002	JACK	1	PAVCA
	JS0050	D0GAR00J0005	M 0 OHM, 1/16W	1	
	JS0057	D0GAR00J0005	M 0 OHM, 1/16W	1	
	K10	K1KA07A00292	7P CONNECTOR	1	
	L3119	J0JYC0000156	FILTER	1	PAVCA
	L3120	J0JYC0000156	FILTER	1	PAVCA
	L4901	G1C150MA0533	INDUCTION COIL	1	PAVCA
	L4902	G1C150MA0533	INDUCTION COIL	1	PAVCA
	L4903	G1C150MA0533	INDUCTION COIL	1	PAVCA
	L4904	G1C150MA0533	INDUCTION COIL	1	PAVCA
	L5300	G1C220MA0445	INDUCTION COIL	1	PAVCA
	L5400	G1C4R7ZA0311	INDUCTION COIL	1	PAVCA
	L5420	G1C6R8MA0533	INDUCTION COIL	1	PAVCA
	L5440	G1C3R3ZA0311	INDUCTION COIL	1	PAVCA
	L6707	J0JGC0000020	CHIP INDUCTOR	1	
	L6711	J0JHC0000046	CHIP INDUCTOR	1	
	L6721	D0GAR00J0005	M 0 OHM, 1/16W	1	
	L7103	J0JKB0000034	FLAT CORE	1	
	L7201	J0JKB0000034	FLAT CORE	1	
	L7202	J0JKB0000034	FLAT CORE	1	
	L7203	J0JKB0000034	FLAT CORE	1	
	L7301	J0JKB0000034	FLAT CORE	1	
	L7401	J0JKB0000034	FLAT CORE	1	
	L7402	J0JKB0000034	FLAT CORE	1	
	L7403	EXCELSA39	BEAD CHOKE	1	
	L8001	J0JCC0000287	CHIP INDUCTOR	1	
	L8002	J0JYC0000464	FILTER	1	PAVCA
	L8003	J0JKC0000021	CHIP INDUCTOR	1	
	L8004	J0JCC0000287	CHIP INDUCTOR	1	
	L8005	J0JYC0000464	FILTER	1	PAVCA
	L8006	J0JYC0000464	FILTER	1	PAVCA
	L8100	G1C1R5ZA0311	INDUCTION COIL	1	PAVCA
	L8101	G1C2R2ZA0311	INDUCTION COIL	1	PAVCA
	L8451	J0ZZB0000142	FILTER	1	
	L8453	J0ZZB0000142	FILTER	1	
	L8459	J0ZZB0000142	FILTER	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	L8461	J0JHC0000045	CHIP INDUCTOR	1	
	L8462	J0JHC0000045	CHIP INDUCTOR	1	
	L8466	J0JYC0000464	FILTER	1	PAVCA
	L8660	J0JBC0000115	CHIP INDUCTOR	1	
	L8662	J0JHC0000045	CHIP INDUCTOR	1	
	L8663	J0JYC0000014	FILTER	1	
	L8664	J0JYC0000014	FILTER	1	
	L9101	J0JYC0000464	FILTER	1	PAVCA
	L9102	J0JYC0000464	FILTER	1	PAVCA
	L9104	J0JYC0000464	FILTER	1	PAVCA
	L9300	G1C2R2ZA0311	INDUCTION COIL	1	PAVCA
	L9301	G1C2R2ZA0311	INDUCTION COIL	1	PAVCA
	LF7103	G0B183G000006	CHOKE COIL	1	PAVCA
	LF7104	G0B183G000006	CHOKE COIL	1	PAVCA
	LF7105	G0B350HA0036	CHOKE COIL	1	PAVCA
	P2	K1KY15BA0386	15P CONNECTOR	1	PAVCA
	P4	K1KA12BA0062	12P CONNECTOR	1	
	PA7401	K5H502YA0063	FUSE	1	
	PA7402	K5H502YA0063	FUSE	1	
	PA7406	K5H502200003	FUSE	1	PAVCA
	PC7301	B3PAA0000629	IC	1	PAVCA
	PC7302	B3PAA0000629	IC	1	PAVCA
	PC7303	B3PAA0000629	IC	1	PAVCA
	Q2011	B1ABCE000015	TRANSISTOR	1	
	Q2013	B1ABCE000015	TRANSISTOR	1	
	Q4700	B1ABCF000231	TRANSISTOR	1	
	Q4702	B1ABCF000231	TRANSISTOR	1	
	Q4704	B1ABCF000231	TRANSISTOR	1	
	Q4709	B1ABCF000231	TRANSISTOR	1	
	Q7201	B1CERR000070	TRANSISTOR	1	PAVCA
	Q7202	B1ADCE000022	TRANSISTOR	1	
	Q7301	B1CFRR000018	TRANSISTOR	1	PAVCA
	Q7302	B1CFRR000018	TRANSISTOR	1	PAVCA
	Q7303	B1ADCE000022	TRANSISTOR	1	
	Q7401	B1ABCF000231	TRANSISTOR	1	
	Q7402	B1CHRE000005	TRANSISTOR	1	
	Q7403	B1CHRE000005	TRANSISTOR	1	
	Q9350	B1ADCE000022	TRANSISTOR	1	
	Q9351	B1ABCF000231	TRANSISTOR	1	
	R0900	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0901	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0904	D0GA473JA023	M 47KOHM, J.1/16W	1	
	R0905	D0GA101JA023	M 100 OHM, J.1/16W	1	
	R0906	D0GA101JA023	M 100 OHM, J.1/16W	1	
	R0907	D0GA101JA023	M 100 OHM, J.1/16W	1	
	R0910	D0GA332JA023	M 3.3KOHM, J.1/16W	1	
	R0911	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R0912	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R0913	D0GA332JA023	M 3.3KOHM, J.1/16W	1	
	R0914	D0GA101JA023	M 100 OHM, J.1/16W	1	
	R0916	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0917	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0918	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0919	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0932	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0933	D0GA220JA023	M22 OHM, J.1/16 W	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R0938	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R0940	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R0946	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R0948	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R0951	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R0952	D0GA102JA023	M1KOHM, J,1/16 W	1	
	R0954	D0GA272JA023	M 2.7KOHM, J,1/16W	1	
	R0955	D0GA272JA023	M 2.7KOHM, J,1/16W	1	
	R0956	D0GA332JA023	M 3.3KOHM, J,1/16W	1	
	R0957	D0GA332JA023	M 3.3KOHM, J,1/16W	1	
	R1951	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R1953	D0GA103JA023	M10KOHM, J,1/16 W	1	
	R2000	D0GA433JA023	M 43KOHM, J,1/16W	1	PAVCA
	R2003	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R2008	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R2013	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R2014	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R2016	D0GA122JA023	M 1.2KOHM, J,1/16W	1	
	R2034	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R2051	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R2053	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R2054	D0GA104JA023	M100KOHM, J,1/16 W	1	
	R2055	D0GA103JA023	M10KOHM, J,1/16 W	1	
	R2060	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R2061	D0GA223JA023	M 22K OHM J 1/16W	1	
	R2062	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R2066	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R2803	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R2805	D1BA1201A014	M 1.2 KOHM,F,1/16 W	1	
	R2806	D0GA470JA023	M 47 OHM, J,1/16W	1	
	R2807	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R2852	D1BD1911A066	M 1.91KOHM,J,1/8 W	1	PAVCA
	R2853	D1BD3091A066	M 3.09KOHM,J,1/8 W	1	PAVCA
	R2854	D1BD6041A066	M 6.04KOHM,J,1/8 W	1	PAVCA
	R2855	D1BD1692A066	M 16.9KOHM,F,1/8W	1	PAVCA
	R3101	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R3102	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R3103	D0GD750JA052	M 75 OHM, J,1/8W	1	
	R3104	D0GD750JA052	M 75 OHM, J,1/8W	1	
	R3105	D0GD750JA052	M 75 OHM, J,1/8W	1	
	R3118	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R3119	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R3120	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R3121	D1BB1403A106	M 140KOHM, J,1/10W	1	PAVCA
	R3122	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R3123	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R3127	D0GA220JA023	M22 OHM, J,1/16 W	1	
	R3157	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R3181	D0GD750JA052	M 75 OHM, J,1/8W	1	
	R3182	D0GD750JA052	M 75 OHM, J,1/8W	1	
	R3183	D0GD750JA052	M 75 OHM, J,1/8W	1	
	R3184	D0GA333JA023	M 33KOHM, J,1/16W	1	
	R3185	D0GA333JA023	M 33KOHM, J,1/16W	1	
	R3189	D1BB1403A106	M 140KOHM, J,1/10W	1	PAVCA
	R3201	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R3871	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R3966	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4702	D0GA103JA023	M10KOHM, J,1/16 W	1	
	R4708	D0GA103JA023	M10KOHM, J,1/16 W	1	
	R4709	D0GA103JA023	M10KOHM, J,1/16 W	1	
	R4710	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4711	D0GA102JA023	M1KOHM, J,1/16 W	1	

Model No. : TC-L47ET5 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R4712	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4715	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4721	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4722	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4723	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4724	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4725	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4728	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4732	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4734	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4735	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4736	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4737	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4738	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4739	D0GA220JA023	M22 OHM, J,1/16 W	1	
	R4744	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4745	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4746	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4747	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4748	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4749	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4750	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4751	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4752	D1BA1600A023	M 160 OHM,F.1/16 W	1	PAVCA
	R4753	D1BA82R0A014	M 82 OHM,F.1/16 W	1	PAVCA
	R4763	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4764	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4765	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4766	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4767	D0GA392JA023	M 3.9KOHM, J,1/16W	1	
	R4770	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4771	D0GA152JA023	M 1.5KOHM, J,0.063W	1	
	R4772	D0GA152JA023	M 1.5KOHM, J,0.063W	1	
	R4774	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4775	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4776	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4777	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4780	D0GA121JA023	M 120 OHM, J,1/16W	1	
	R4788	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4794	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4795	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4796	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4797	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4798	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4799	D0GA273JA023	M 27K OHM J ,1/16W	1	
	R4900	D0GFR00J0005	M 0 OHM,J,1/3W	1	
	R4901	D1HY1014A022	NETWORK RESISTER	1	PAVCA
	R4906	D0GA822JA023	M8.2KOHM, J,1/16W	1	PAVCA
	R4907	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4908	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4913	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R4914	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R4955	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4956	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4981	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R5002	D0GA683JA023	M 68KOHM, J,1/16W	1	
	R5003	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R5006	D0GA223JA023	M 22K OHM J 1/16W	1	
	R5007	D0GA223JA023	M 22K OHM J 1/16W	1	
	R5009	D1BA5602A023	M 56KOHM,F. 1/16 W	1	PAVCA
	R5012	D1BA2202A023	M 22KOHM,F. 1/16 W	1	PAVCA
	R5030	D0GA103JA023	M10KOHM, J.1/16 W	1	

Model No. : TC-L47ET5 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R5100	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R5104	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R5152	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R5175	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R5181	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R5312	D0GD100JA059	M 10 OHM, J,1/4W	1	
	R5315	D1BA1402A023	M 14KOHM, F. 1/16 W	1	PAVCA
	R5316	D1BA1001A023	M 1 KOHM, F.1/16 W	1	PAVCA
	R5317	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R5318	D1BA1001A023	M 1 KOHM, F.1/16 W	1	PAVCA
	R5321	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R5322	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R5400	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R5401	D1BA2202A023	M 22KOHM, F. 1/16 W	1	PAVCA
	R5402	D0GB911ZA037	M 910 OHM, J,1/10W	1	PAVCA
	R5403	D1BB2871A106	M 2.87 KOHM, F.1/10 W	1	PAVCA
	R5420	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R5421	D1BA3302A023	M 33KOHM, F. 1/16 W	1	PAVCA
	R5422	D0GB911ZA037	M 910 OHM, J,1/10W	1	PAVCA
	R5423	D1BB4871A106	M 4.87 KOHM, F.1/10 W	1	PAVCA
	R5441	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R5442	D1BB1301A195	M 1.3KOHM, J.1/10W	1	PAVCA
	R5443	D1BB7501A195	M 7.5 KOHM, F.1/10 W	1	PAVCA
	R6726	D0GA681JA023	M680 OHM, J,1/16W	1	
	R6727	D0GA681JA023	M680 OHM, J,1/16W	1	
	R6731	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R6732	D0GA103JA023	M10KOHM, J.1/16 W	1	
⚠	R7101	D0GF105JA048	M 1M OHM. 1/4W	1	PAVCA
⚠	R7102	D0GF105JA048	M 1M OHM. 1/4W	1	PAVCA
⚠	R7103	D0GF105JA048	M 1M OHM. 1/4W	1	PAVCA
⚠	R7104	D0B1106JA033	M 10MOHM J 1W	1	
	R7201	ERX1SJR22	M0.22 OHM, J, 1W	1	
	R7202	ERX1SJR22	M0.22 OHM, J, 1W	1	
	R7203	D0GD104JA052	M 100KOHM, J,1/8W	1	
	R7204	D0GD101JA059	M 100 OHM, J,1/4W	1	
	R7205	D0GD101JA052	M 100 OHM, J,1/8W	1	
	R7206	D0GD220JA059	M 22 OHM, J,1/4W	1	
	R7207	D0GD104JA052	M 100KOHM, J,1/8W	1	
	R7208	ERX1SJR22	M0.22 OHM, J, 1W	1	
	R7212	D0GD103JA052	M 10KOHM, J,1/8W	1	
	R7219	D0GD513JA052	M 51KOHM, J,1/8W	1	PAVCA
	R7220	D0GD223JA052	M 22KOHM, J,1/8W	1	
	R7224	D1BD8203A066	M 820KOHM, F.1/8W	1	PAVCA
	R7225	ERJ8ENF1504V	M 150KOHM, 1/8W	1	PAVCA
	R7226	ERJ8ENF1504V	M 150KOHM, 1/8W	1	PAVCA
	R7227	ERJ8ENF1504V	M 150KOHM, 1/8W	1	PAVCA
	R7228	ERJ8ENF1504V	M 150KOHM, 1/8W	1	PAVCA
	R7229	D1BD2003A066	M 200KOHM, F.1/8W	1	PAVCA
	R7230	D1BD4422A066	M 44.2KOHM, F.1/8W	1	PAVCA
	R7231	D1BD4303A066	M 430KOHM, F.1/8W	1	PAVCA
	R7232	D1BD3603A066	M 360KOHM, F.1/8W	1	PAVCA
	R7234	D1BD8203A066	M 820KOHM, F.1/8W	1	PAVCA
	R7302	D0GD101JA059	M 100 OHM, J,1/4W	1	
	R7303	D0GD101JA059	M 100 OHM, J,1/4W	1	
	R7304	D0AF2R2JA112	C 2.2 OHM, J,1/2W	1	PAVCA
	R7305	D0AF151JA112	C 150 OHM, J,1/2W	1	PAVCA
	R7306	D0GD222JA052	M 2.2KOHM, J,1/8W	1	
	R7307	D0GD561JA052	M 560 OHM, J,1/8W	1	
	R7308	D0GD561JA052	M 560 OHM, J,1/8W	1	
	R7312	D0AF222JA112	C 2.2KOHM, J,1/2W	1	PAVCA
	R7314	D0GD104JA052	M 100KOHM, J,1/8W	1	
	R7315	D0GD222JA052	M 2.2KOHM, J,1/8W	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R7317	D0GD223JA052	M 22KOHM, J, 1/8W	1	
	R7318	D0GD473JA052	M 47KOHM, J, 1/8W	1	
	R7319	D0GD473JA052	M 47KOHM, J, 1/8W	1	
	R7320	D0GD473JA052	M 47KOHM, J, 1/8W	1	
	R7321	D0GD100JA059	M 10 OHM, J, 1/4W	1	
	R7322	D0GD100JA059	M 10 OHM, J, 1/4W	1	
	R7323	D0GD223JA052	M 22KOHM, J, 1/8W	1	
	R7324	D0GD223JA052	M 22KOHM, J, 1/8W	1	
	R7401	D0GD102JA052	M 1.0KOHM, J, 1/8W	1	
	R7402	D0GD102JA052	M 1.0KOHM, J, 1/8W	1	
	R7403	D0GD472JA052	M 4.7KOHM, J, 1/8W	1	
	R7404	D0GD103JA052	M 10KOHM, J, 1/8W	1	
	R7405	D0GD222JA052	M 2.2KOHM, J, 1/8W	1	
	R7406	D1BD3321A066	M 3.32KOHM, F.1/8W	1	PAVCA
	R7407	D0GD102JA052	M 1.0KOHM, J, 1/8W	1	
	R7408	D1BD1822A066	M 18.2KOHM, F.1/8W	1	PAVCA
	R7409	D0GD473JA052	M 47KOHM, J, 1/8W	1	
	R7410	D0GD153JA052	M 15KOHM, J, 1/8W	1	
	R7411	D0GD104JA052	M 100KOHM, J, 1/8W	1	
	R7412	D0GD153JA052	M 15KOHM, J, 1/8W	1	
	R7416	D0GD103JA052	M 10KOHM, J, 1/8W	1	
	R7417	D0GD103JA052	M 10KOHM, J, 1/8W	1	
	R7420	D0GD473JA052	M 47KOHM, J, 1/8W	1	
	R7421	D0GD224JA052	M 220KOHM, J, 1/8W	1	
	R8008	D0GA331JA023	M 330 OHM, J, 1/16W	1	
	R8009	D0GA1R1JA023	M 1.1OHM, J, 1/16W	1	PAVCA
	R8100	D1BB2001A197	M 2 KOHM, F.1/10 W	1	PAVCA
	R8101	D1BB1051A087	M 1.05 KOHM, F.1/10 W	1	PAVCA
	R8111	D1BB2001A197	M 2 KOHM, F.1/10 W	1	PAVCA
	R8112	D1BB1961A087	M 1.96 KOHM, F.1/10 W	1	PAVCA
	R8200	D1BA2400A023	M 240 OHM, F.1/16 W	1	PAVCA
	R8203	D1BA2700A023	M 270 OHM, F.1/16 W	1	PAVCA
	R8204	D1BA2700A023	M 270 OHM, F.1/16 W	1	PAVCA
	R8205	D1BA2700A023	M 270 OHM, F.1/16 W	1	PAVCA
	R8206	D1BA2700A023	M 270 OHM, F.1/16 W	1	PAVCA
	R8207	D1BA2700A023	M 270 OHM, F.1/16 W	1	PAVCA
	R8208	D1BA2700A023	M 270 OHM, F.1/16 W	1	PAVCA
	R8217	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R8218	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R8219	D1BA2400A023	M 240 OHM, F.1/16 W	1	PAVCA
	R8220	D1BA2400A023	M 240 OHM, F.1/16 W	1	PAVCA
	R8221	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8230	D1BA2700A023	M 270 OHM, F.1/16 W	1	PAVCA
	R8231	D1BA2700A023	M 270 OHM, F.1/16 W	1	PAVCA
	R8232	D1BA2700A023	M 270 OHM, F.1/16 W	1	PAVCA
	R8233	D1BA2700A023	M 270 OHM, F.1/16 W	1	PAVCA
	R8234	D0GA470JA023	M 47 OHM, J, 1/16W	1	
	R8235	D0GA470JA023	M 47 OHM, J, 1/16W	1	
	R8236	D0GA470JA023	M 47 OHM, J, 1/16W	1	
	R8237	D0GA470JA023	M 47 OHM, J, 1/16W	1	
	R8238	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8240	D1HY2208A012	NETWORK RESISTER	1	PAVCA
	R8241	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R8242	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R8243	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R8300	D0GA471JA023	M 470OHM, J, 1/16W	1	
	R8301	D1BA6201A023	M 6.2 KOHM, F.1/16 W	1	PAVCA
	R8302	D0GA360JA023	M 36 OHM, J, 1/16W	1	
	R8303	D0GA360JA023	M 36 OHM, J, 1/16W	1	
	R8304	D0GA360JA023	M 36 OHM, J, 1/16W	1	
	R8305	D0GA360JA023	M 36 OHM, J, 1/16W	1	
	R8450	D0GA103JA023	M10KOHM, J.1/16 W	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R8451	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8453	D1BA3742A014	M 37.4KOHM,F. 1/16 W	1	PAVCA
	R8454	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8455	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8457	D1BA3742A014	M 37.4KOHM,F. 1/16 W	1	PAVCA
	R8458	D1BA3742A014	M 37.4KOHM,F. 1/16 W	1	PAVCA
	R8469	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8470	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8498	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8500	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8501	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8512	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8514	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8519	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8520	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8521	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8601	D1BA75R0A023	M 75.0 OHM,F.1/16 W	1	PAVCA
	R8602	D1BA75R0A023	M 75.0 OHM,F.1/16 W	1	PAVCA
	R8603	D1BA75R0A023	M 75.0 OHM,F.1/16 W	1	PAVCA
	R8604	D1BA75R0A023	M 75.0 OHM,F.1/16 W	1	PAVCA
	R8611	D1BA2491A023	M 2.49KOHM,F.1/16W	1	PAVCA
	R8612	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8613	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8614	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8616	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8617	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8620	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8622	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8623	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8624	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8625	D0GA152JA023	M 1.5KOHM, J,0.063W	1	
	R8626	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8627	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8629	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8630	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8631	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8634	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8635	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8636	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8660	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8661	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8662	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8663	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8664	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8665	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8666	D1HY1038A012	NETWORK RESISTER	1	PAVCA
	R8667	D1HY5604A012	NETWORK RESISTER	1	PAVCA
	R8668	D1HY5604A012	NETWORK RESISTER	1	PAVCA
	R8669	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8673	D1BB1200A055	M 120 OHM,J.1/10W	1	PAVCA
	R8674	D1BB2000A055	M 200 OHM,J.1/10W	1	
	R8755	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R8797	D1BA1200A023	M 120 OHM,F.1/16 W	1	PAVCA
	R8798	D1BA56R0A023	M 56 OHM,F.1/16 W	1	PAVCA
	R8800	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8801	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8802	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8803	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8817	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8821	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8829	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8850	D0GA331JA023	M 330 OHM, J,1/16W	1	

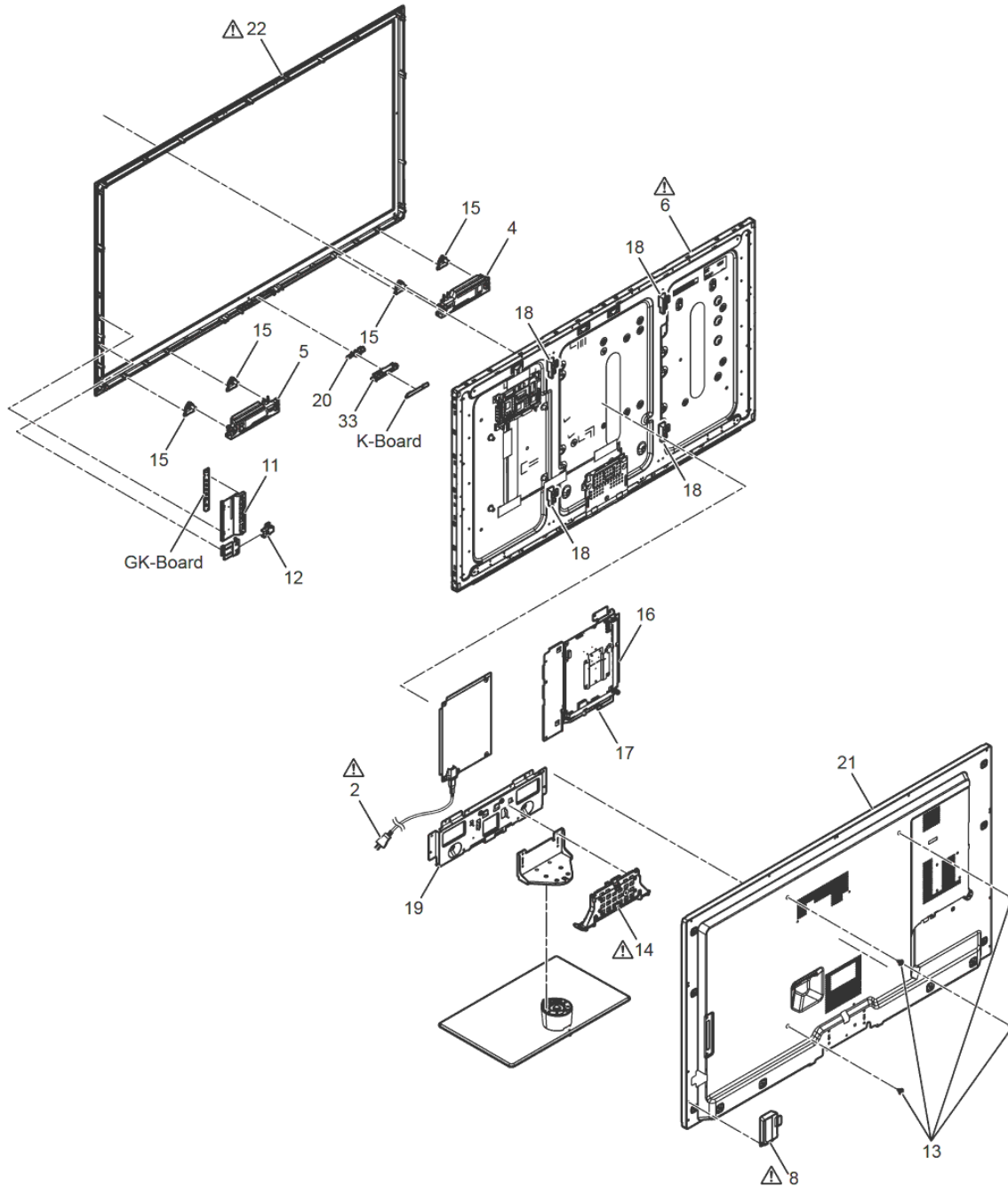
Model No. : TC-L47ET5 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R8851	D1BB7151A106	M 7.15 KOHM, F.1/10 W	1	PAVCA
	R8852	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8853	D0GA182JA023	M 1.8KOHM, J,0.063W	1	
	R8854	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8858	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8859	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8870	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8871	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8872	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8873	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8874	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8875	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8876	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8877	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8883	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8885	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8887	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8902	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8904	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8909	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R8910	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8911	EXB2HV121JV	NW_R(x8)	1	
	R9004	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R9005	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R9006	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R9007	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R9008	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R9009	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R9010	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R9011	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R9012	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R9013	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R9014	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R9015	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R9074	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R9100	D1BA2400A023	M 240 OHM, F.1/16 W	1	PAVCA
	R9104	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R9110	D0GA182JA023	M 1.8KOHM, J,0.063W	1	
	R9112	D0GA182JA023	M 1.8KOHM, J,0.063W	1	
	R9115	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R9121	D0GD100JA052	M 10 OHM, J,1/8W	1	
	R9122	D0GD100JA052	M 10 OHM, J,1/8W	1	
	R9123	D0GD100JA052	M 10 OHM, J,1/8W	1	
	R9124	D0GD100JA052	M 10 OHM, J,1/8W	1	
	R9125	D0GD100JA052	M 10 OHM, J,1/8W	1	
	R9129	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R9250	D1BA1001A023	M 1 KOHM, F.1/16 W	1	PAVCA
	R9251	D1BA1001A023	M 1 KOHM, F.1/16 W	1	PAVCA
	R9252	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R9253	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R9254	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R9255	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R9256	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R9257	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R9258	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R9259	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R9260	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R9261	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R9262	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R9263	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R9264	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R9265	D0GA220JA023	M22 OHM, J.1/16 W	1	

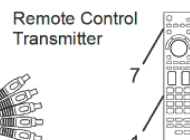
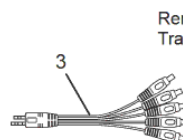
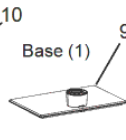
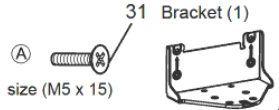
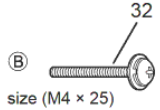
Model No. : TC-L47ET5 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R9266	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R9267	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R9268	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R9269	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R9270	D1BA49R9A023	M 49.9 OHM, J.1/16 W	1	PAVCA
	R9271	D1BA49R9A023	M 49.9 OHM, J.1/16 W	1	PAVCA
	R9300	D1BA2202A023	M 22KOHM, F. 1/16 W	1	PAVCA
	R9301	D1BA2202A023	M 22KOHM, F. 1/16 W	1	PAVCA
	R9302	D0GA223JA023	M 22K OHM J 1/16W	1	
	R9307	D1BB2001A197	M 2 KOHM, F.1/10 W	1	PAVCA
	R9309	D1BB2001A197	M 2 KOHM, F.1/10 W	1	PAVCA
	R9311	D1BB6800A087	M 680 OHM, J.1/10W	1	PAVCA
	R9312	D1BB2801A087	M 2.8 KOHM, F.1/10 W	1	PAVCA
	R9350	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R9351	D1HY2204A012	NETWORK RESISTER	1	PAVCA
	R9352	D0GA333JA023	M 33KOHM, J,1/16W	1	
	R9353	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R9354	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R9356	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R9357	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R9359	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R9360	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R9361	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R9363	D0GA151JA023	M 150 OHM, J,1/16W	1	
	R9364	D0GA151JA023	M 150 OHM, J,1/16W	1	
	R9365	D0GA151JA023	M 150 OHM, J,1/16W	1	
	R9371	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R9372	D0GA103JA023	M10KOHM, J.1/16 W	1	
	RM2800	PNJ4815M01TV	REMOTE SENSOR	1	
	SN2800	B3JB00000116	IC	1	
	SW2851	EVQ11G05R	SWITCH	1	
	SW2852	EVQ11G05R	SWITCH	1	
	SW2853	EVQ11G05R	SWITCH	1	
	SW2854	EVQ11G05R	SWITCH	1	
	SW2855	EVQ11G05R	SWITCH	1	
	SW2857	EVQ11G05R	SWITCH	1	
	T7201	G4DYA0000366	SWITCHING TRANS	1	PAVCA
	T7301	G4DYA0000372	SWITCHING TRANS	1	PAVCA
	T8600	G5BYC0000040	TRANS	1	PAVCA
	TC01A	K1MY51BA0526	51P CONNECTOR	1	PAVCA
	TC02A	K1MY41BA0526	41P CONNECTOR	1	PAVCA
	TU6706	J3ACAA000007	TUNER	1	PAVCA
	X8300	H0J245500110	CRYSTAL	1	
	X8600	H0J250500120	CRYSTAL	1	PAVCA
	X9100	H0J270500166	CRYSTAL	1	PAVCA
	ZA0050	K4AD01D00008	TERMINAL	1	
	ZA0052	K4AD01D00008	TERMINAL	1	
	ZA7101	K4AD01A00003	TERMINAL	1	PAVCA
	ZA7103	K4AD01A00003	TERMINAL	1	PAVCA

Model No. : TC-L47ET5 Exploded View



Accessories



Model No. : TC-L47ET5 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	1	10030-0066000	BATTERY COVER	1	PAVCA
		K1HY05YY0022	USB CABLE	1	PAVCA
⚠	2	K2CB2YY00071	AC CORD	1	PAVCA
	3	K2KYYYY00199	AV CABLE	1	PAVCA
	4	L0EYAA000006	SPEAKER UNIT L	1	
	5	L0EYAA000007	SPEAKER UNIT R	1	
⚠	6	L5EDDYY00367	LCD PANEL	1	PAVCA
	7	N2QAYB000703	REMOTE CONTROLLER	1	PAVCA
⚠	8	N5HBZ0000064	WIFI DONGLE	1	PAVCA
		N5ZZ00000261	3D GLASSES	4	
	9	TBL5ZX0270	PEDESTAL ASS'Y	1	PAVCA
	10	TBL5ZX03031	ASSY, STAND ACC	1	PAVCA
	11	TBX5ZA00601	KEY_BUTTON	1	
		TEWB625	GASKET(8x10x20)	1	
		TEWB763	GASKET(12x10x20)	1	PAVCA
		TEWB772	GASKET(5x10x10)	3	
		TEWF091	AL/PET TAPE 15x80	2	
		THEC1509	SCREW(BC15)	15	
		THEJ024	SCREW (BOTTOM_METAL2)	2	
		THEJ036J	SCREW(BTM6/VESA4/A10/P5)	25	
		THTD030J	SCREW(BC18/BTM_COVER2/DUNGLE1)	21	
	12	TKK5ZL50051	USB_CABLE_BRACKET	1	PAVCA
	13	TKKL5521	M6_CAP	4	
⚠	14	TKP5ZA13801	BOTTOM COVER	1	
	15	TKX5ZA02501	SPEAKER_BRACKET	4	
	16	TKZ5ZF50035	METAL_AV_BRACKET_SIDE	1	PAVCA
	17	TKZ5ZF50071	METAL_AV_BRACKET_BTM	1	PAVCA
	18	TKZ5ZX5005-2	VESA METAL	4	PAVCA
	19	TKZ5ZX50271	BOTTOM_METAL	1	
		TMK2AX234	BARRIER_P_PCB	1	PAVCA
		TMK2AX250	SHADING SHEET	2	PAVCA
		TMK2AX251	SHADING PLATE	4	PAVCA
		TMKK486	HEAT RUBBER	2	
		TMKK487	A-THERMAL CONDUCTIVE SHEET (PEAKS)	1	PAVCA
		TMKK488	A-THERMAL CONDUCTIVE SHEET (DDR)	2	PAVCA
		TMME268	CLAMPER	2	
		TMME289	CLAMPER	1	
		TMME399	SPACER(P_PCB)	7	
		TMME415	SPACER FPR A-HEAT SINK	3	PAVCA
⚠		TQB2AA0636	INSTRUCTION BOOK	1	PAVCA
		TQEF144	BAG	1	
		TSCFF0030005	LVDS FFC (51PIN)	1	PAVCA
		TSCFF0030006	LVDS FFC (41PIN)	1	PAVCA
	20	TXFKK5Z0003	LED PANEL ASSY	1	PAVCA
	33	TXFKP0112SER	LED BRACKET ASSY	1	PAVCA
	21	TXFKU0712SER	REAR COVER	1	PAVCA
⚠	22	TXFKY01SKUU	CABINET ASSY	1	PAVCA
⚠		TXJ/P4SKUU	LEAD (P4-LD/GK4)	1	PAVCA
⚠		TXJA12SKUU	SPEAKER LEAD (A12-SP)	1	PAVCA
	31	XSS5+15FNK	SCREW (SUP-BRA)	4	
		XTV3+10JFJ	SCREW	7	
		XTW3+8TFJ	SCREW	2	
		XYN3+C6FJ	SCREW	2	
		XYN3+C6FJ	SCREW	1	
		XYN3+C8FJ	SCREW	1	
	32	XYN4+F25FJK	SCREW	4	