

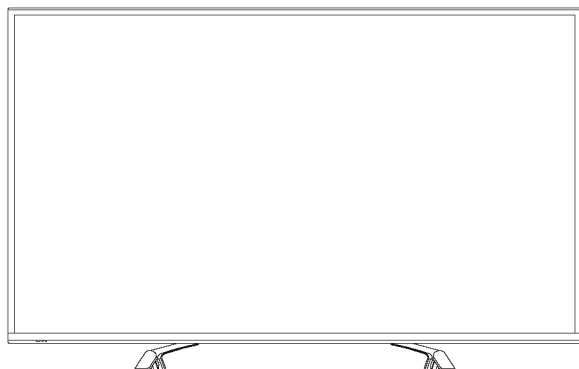
Service Manual

LED TV

Model No. **TX-49ESR500**

Chassis: LA75

Destination: CIS



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 8.5Mohm to 13Mohm. 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.

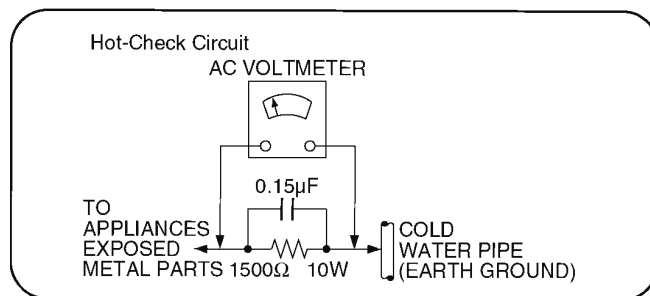


Figure 1

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 harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

2.2. About lead free solder (PbF)

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

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

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

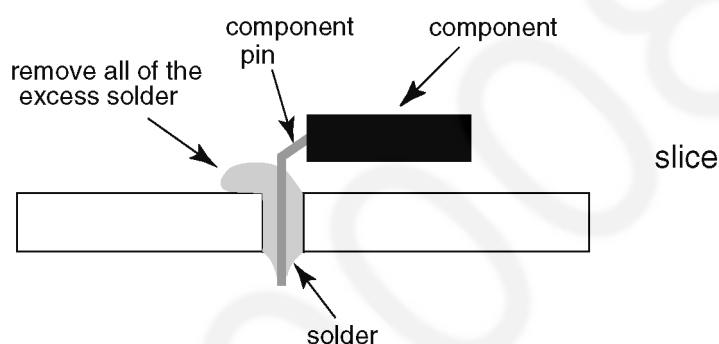
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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

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

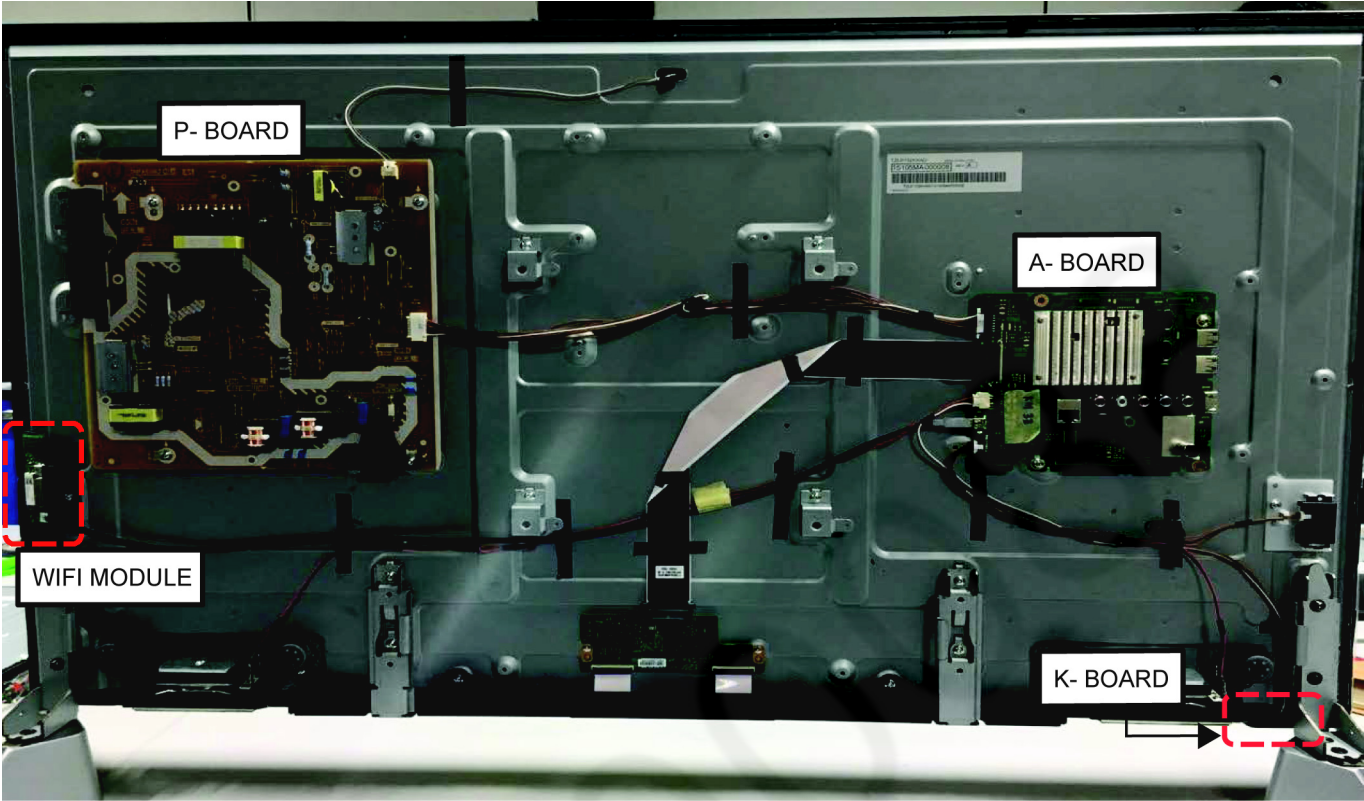
Caution

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



3 Service Navigation

3.1. Service Hint



Board Name	Main Device	Remarks
A BOARD	TUN, OFDM, ADV, sLD8A, STBY EEP	Repairable
P BOARD	Power Supply	Repairable
K BOARD	LED/RM/CATS	Repairable

4 Specifications

Rated power consumption	117 W
On mode power consumption/ screen area	0.012 W/cm ²
Standby power consumption*1	0.50 W
Off mode power consumption	0.30 W
Visible screen size	123 cm / 49 inches
Dimensions (W × H × D)	1 106mm × 697 mm × 239 mm (With Pedestal) 1 106 mm × 644 mm × 80 mm (TV only)
Mass	14.0 kg Net (With Pedestal) 13.0 kg Net (TV only)
Power source	AC 220-240 V, 50 / 60 Hz
Display resolution	1 920 (W) × 1 080 (H)
Panel	LED LCD panel
Sound	
Speaker output	20 W (10 W + 10 W)
Headphones	M3 (3.5 mm) stereo mini Jack × 1
Connection terminals	
AV input	VIDEO RCA PIN Type × 1 1.0 V[p-p] (75 Ω)
(COMPONENT / VIDEO)	AUDIO L - R RCA PIN Type × 2 0.5 V[rms]
	Y 1.0 V[p-p] (including synchronisation)
	P_B/C_B, P_R/C_R ±0.35 V[p-p]
HDMI 1 / 2 input	TYPE A Connectors HDMI1: Content Type HDMI2: Content Type, Audio Return Channel • This TV supports 'HDAVI Control 5' function.
Card slot	Common Interface slot (complies with CI Plus) × 1
ETHERNET	RJ45, IEEE802.3 10BASE-T / 100BASE-TX
USB Port	DC ⎓ 5 V, Max. 500 mA [Hi-Speed USB (USB 2.0)]
DIGITAL AUDIO output	PCM / Dolby Digital / Fibre optic
Receiving systems / Band name	DVB-S / S2 Digital satellite services (MPEG2, MPEG4- AVC(H.264) and MPEG HEVC(H.265)) Receiver frequency range - 950 MHz to 2 150 MHz DiSEqC - Version 1.0 DVB-C Digital cable services (MPEG2, MPEG4- AVC(H.264) and MPEG HEVC(H.265)) DVB-T / T2 Digital terrestrial services (MPEG2, MPEG4- AVC(H.264) and MPEG HEVC(H.265)) PAL D, K SECAM D, K VHF R1 - R2 VHF R3 - R5 VHF R6 - R12 UHF E21 - E69 PAL 525/60 Playback of NTSC tape from some PAL Video recorders (VCR) M.NTSC Playback from M.NTSC Video recorders (VCR) NTSC Playback from NTSC Video recorders (VCR) (AV input only)
Satellite dish input	Female F-type 75Ω
Aerial input	VHF / UHF
Operating Conditions	Temperature 0 °C - 35 °C Humidity 20 % - 80 % RH (non-condensing)
Built-in wireless LAN	Standard compliance and Frequency range*2 IEEE802.11a/n 5.15 GHz - 5.35GHz, 5.47 GHz - 5.85 GHz, IEEE802.11b/g/n 2.400 GHz - 2.4835 GHz Security WPA2-PSK (TKIP/AES) WPA-PSK (TKIP/AES) WEP (64 bit/128 bit)

*1: When the TV is turned off with the remote control and no function is active.

*2: The frequency and channel differ depending on the country. Follow the regulations of your country for the frequency range.

Note

- Design and Specifications are subject to change without notice. Mass and Dimensions shown are approximate.
- For information about the open source software, refer to [eHELP] (Search by Purpose > Read first > Before use > Licence).

5 CS Maintenance Menu

5.1. How to enter into CS Maintenance Menu

5.1.1. Purpose

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

While pressing [VOLUME (-)] button of the main unit, press [RED] button of the remote control THREE times.

Note:
CS Maintenance Menu can not be entered when 3D signal input.
Input 2D signal to enter CS Maintenance Menu.

CS Maintenance Menu	
OPT	
EDID CLK	
DRV CHECK	
WB-ADJ	

5.1.2. Key command

Press the Cursor key [Up/Down] on the remote control to select the functions.

5.1.3. How to exit

Press the [EXIT] button on the remote control.

5.2. Repack

- 1. Select [OPT] in CS Maintenance Menu.
- 2. Press [OK] button or Cursor key [Right] on the remote control.

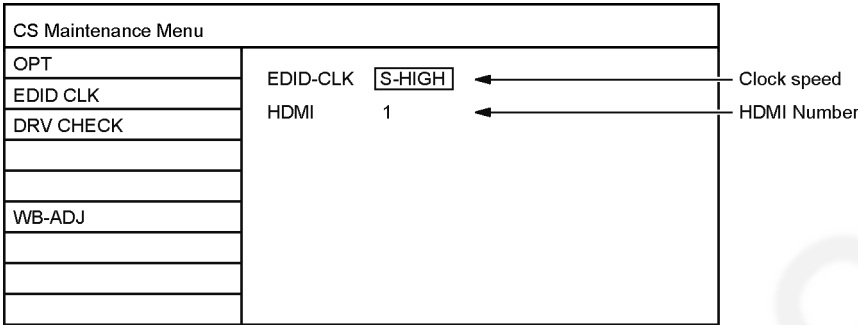
CS Maintenance Menu	
OPT	7 6 5 4 3 2 1 0
EDID CLK	OPT1 0 0 0 0 0 1 0 1
DRV CHECK	OPT2 1 1 1 0 1 1 1 0
	OPT3 0 0 0 0 0 0 0 1
	OPT4 0 0 0 0 0 0 1 0
WB-ADJ	

row : OPT1
column : 4
0 : Automatic (Default)
1 : Manual

Exit:
Press the [Exit] button or the [Return] button on the remote control.

5.3. EDID Clock

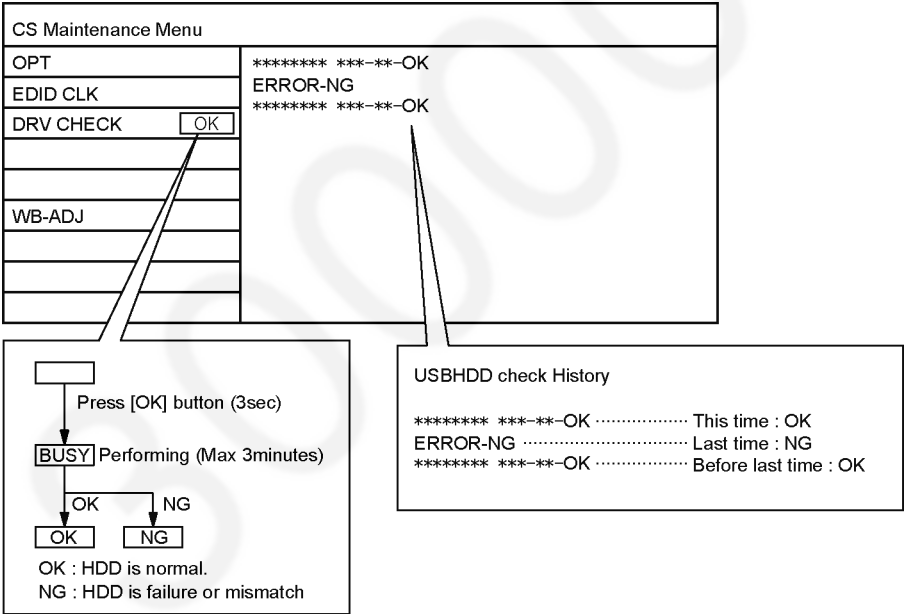
- 1. Select [EDID CLK] in CS Maintenance Menu.
- 2. Press [OK] button or Cursor key [Right] on the remote control.



Exit:
Press the [Exit] button or the [Return] button on the remote control.

5.4. USB HDD Drive Check

- 1. Select [DRV CHECK] in CS Maintenance Menu.
- 2. Press [OK] button or Cursor key [Right] on the remote control.



Exit:
Press the [Return] button on the remote control.

5.5. White Balance Adjustment

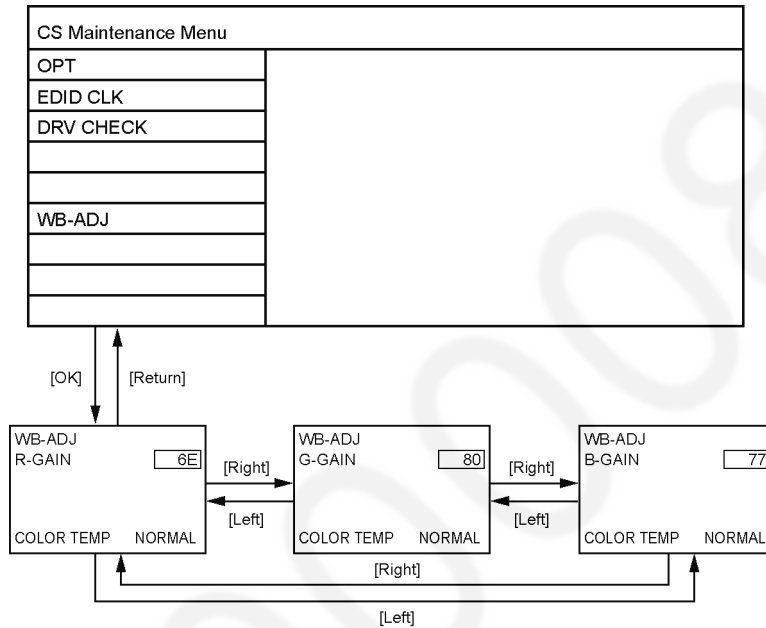
After LCD PANEL or A-Board is replaced and repaired, perform [White balance adjustment] in case of necessity for test / check ([White balance adjustment] is not required basically).

1. Select [W/B ADJ] in CS Maintenance Menu.
2. Press [OK] button on the remote control.

Note for performing [White balance adjustment]

Make a note for the setting values before changing if the settings of [R-GAIN], [B-GAIN] and [G-GAIN] in [WB-ADJ] will be changed.

3. Press the cursor key [Up/Down] on the remote control to change the data value, and press [OK] button on the remote control to store the value for this model.
- COLOR TEMP : Press the [Option] button of the remote control to change the color temperature. (COOL/NORMAL/WARM/TUNNIG)



Exit:

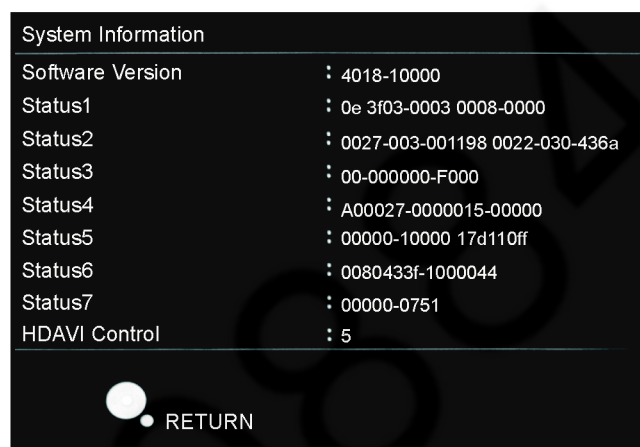
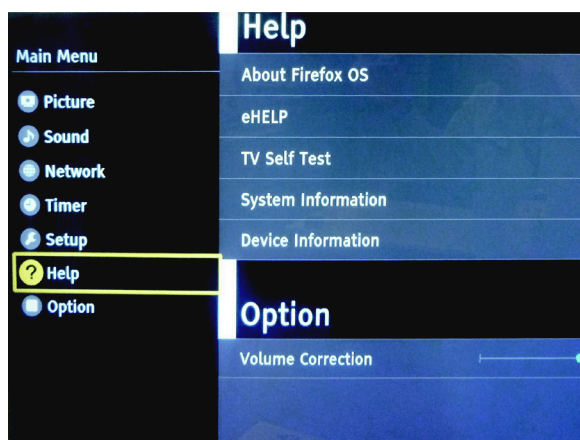
Press the [Return] button on the remote control.

5.6. System Information

5.6.1. How to access

1. While pressing [MENU] button on the remote control.
2. To select [? Help] and then to select [System Information].

Sample only



System Information			
SW version	4018-10000-abcde	4018 10000 abcde	Peaks SW GenX Main GenX Sub (optional)
Status1	0e 3f03-0003 0008-0000	0e 3f03-0003 0008-0000	Outer model ID Inner model ID Panel inch size
Status2	0027-003-0001198 0022-030-436a	0027-003 0001198 0022 030-436a	LSI Package LSI Release Model data version
Status3	00-000000-F000	00 00 00 00 F000	Number of bad block in NAND Flash (dec) Peaks reboot counter System crash counter Emergency (SOS) counter Peaks NAND Maker ID
Status4	A00027-0000015-00000	A 00027 0000015 00000	Power-On period (A <= 100hrs, B <= 200hrs, C > 200hrs) Total Power-On time (dec, max is 65535) Power-On timer (dec, max is 1048575) Fixed (always)
Status5	00000-10000 17d110ff	0 0 0 0 0 1 0000 17d110ff	SOS history (latest) SOS history (last time) SOS history (last but one) SOS history (2 nd time after shipping) SOS history (1 st time after shipping) Self-check _0-never selfcheck 1-production selfcheck by "FF" or USCM 2-user selfcheck by pressing "OK" Fixed (always) Panel ID
Status6	0080433f-1000044	0080433f 1000044	Peaks EEPROM version STM EEPROM version
Status7	00000-0751	00000 0751	STM ROMCOR version AJAX_CE version
HDAVI Control	5		VIERA Link version is displayed

5.6.2. How to exit

Press the [RETURN] button on the remote control.

5.7. Hotel mode

5.7.1. Purpose

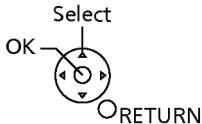
Restrict a function for hotels.

5.7.2. Access command to the Hotel mode setup menu

In order to display the Hotel mode setup menu, please enter the following command (within 2 seconds).

[TV]: Vol.[Down] + [REMOTE] : AV (3 times)

Then, the Hotel mode setup menu is displayed.

Hotel Mode	
Hotel Mode	Off
Initial INPUT	Off
Initial POS	Off
Initial VOL Level	Off
Maximum VOL Level	100
Button Lock	Off
Remote Lock	Off
Private Information	Keep
	

5.7.3. To exit the Hotel mode setup menu

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

5.7.4. Explain the Hotel mode setup menu

Item	Function
Hotel Mode	Select hotel mode On/Off
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off, Analogue TV, Digital TV, AV, HDMI1, HDMI2, HDMI3 • Off: give priority to a last memory.
Initial POS	Select programme number. Selection : Off/0 to 99 • Off: give priority to a last memory
Initial VOL Level	Adjust the volume when each time power is switched on. Selection/Range : Off/0 to 100 • Off: give priority to a last memory
Maximum VOL Level	Adjust maximum volume. Range : 0 to 100
Button Lock	Select local key conditions. Selection : Off/SETUP/MENU • Off: altogether valid • SETUP: only F-key is invalid (Tuning guide (menu) can not be selected.) • MENU: only F-key is invalid (only Volume/Mute can be selected.)
Remote Lock	Select remote control key conditions. Selection : Off/SETUP/MENU • Off: altogether valid • SETUP: only Setup menu is invalid • MENU: Picture/Sound/Setup menu are invalid
Private Information	Select private information for VIERA Cast is Keep or Reset if Hotel mode is set to [On] when TV power on. Selection : Keep/Reset • Keep: private information for VIERA Cast is keep • Reset: private information for VIERA Cast is reset

5.8. Data Copy by USB Memory

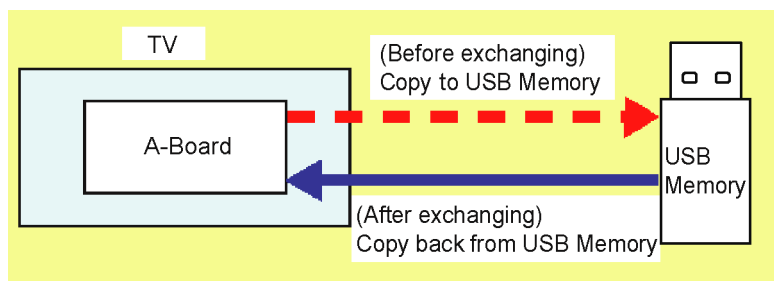
Note:

SD card can not be used for Data Copy.

5.8.1. Purpose

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

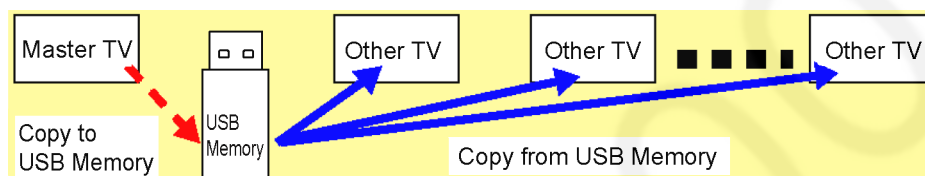
When exchanging A-board, the data in original A-board can be copied to USB Memory and then copy to new A-board.



Following data can be copied.
User setting data
(incl. Hotel mode setting data)
Channel scan data
Adjustment and factory preset data

(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 USB Memory and then copy to other TVs.



Following data can be copied.
User setting data
(incl. Hotel mode setting data)
Channel scan data

5.8.2. Preparation

Make pwd file as startup file for (a) or (b) in a empty USB Memory.

1. Insert a empty USB Memory to your PC.
2. Right-click a blank area in a USB Memory 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 USB Memory.

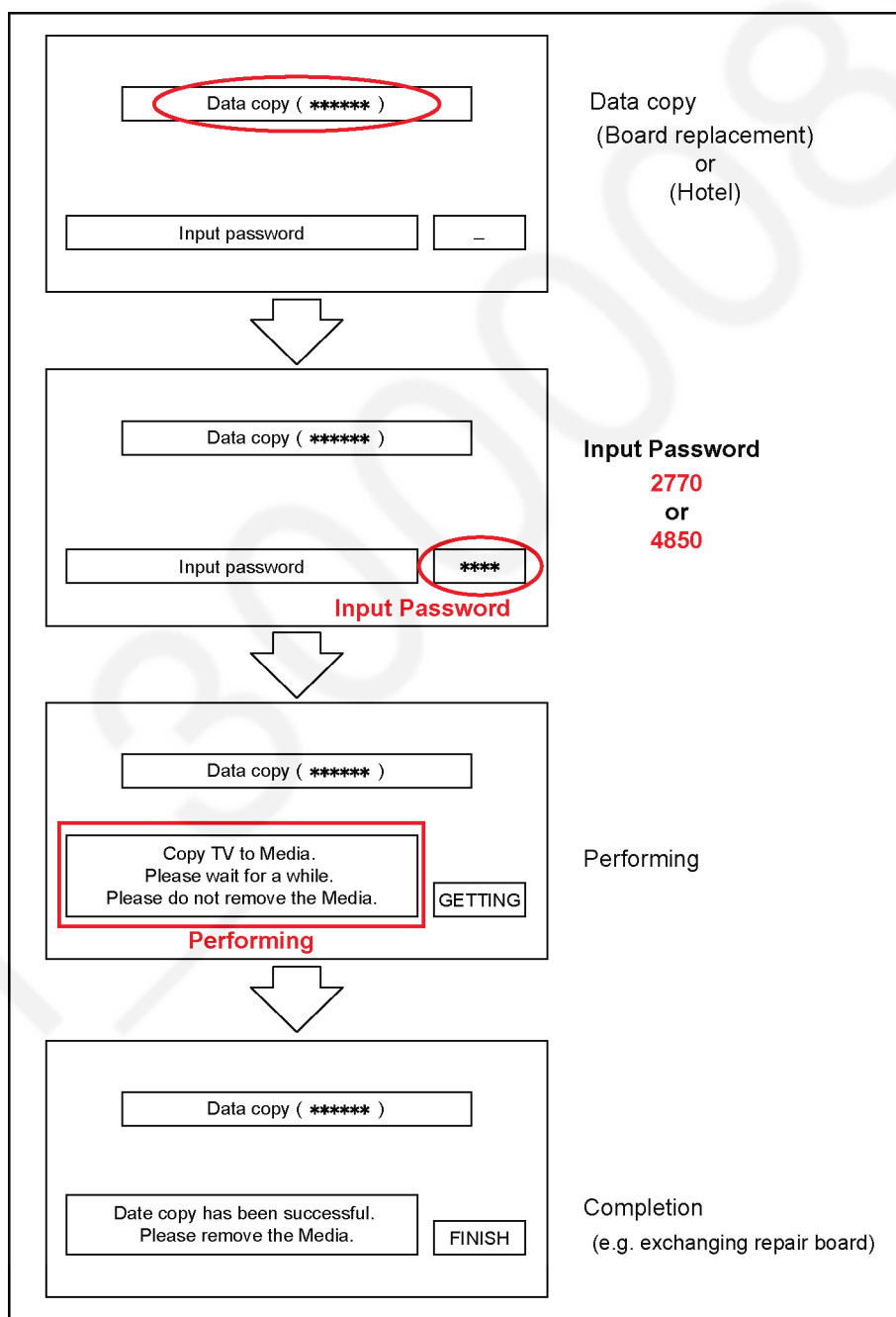
5.8.3. Data copy from TV set to USB Memory

1. Turn on the TV set.
2. Insert USB Memory with a startup file (pwd file) to USB terminal.
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 : 4850
 Data will be copied from TV set to USB Memory.
It takes around 2 to 6 minutes maximum for copying.
4. After the completion of copying to USB Memory, remove USB Memory from TV set.
5. Turn off the TV set.

Note:

Following new folder will be created in USB Memory for data from TV set.

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

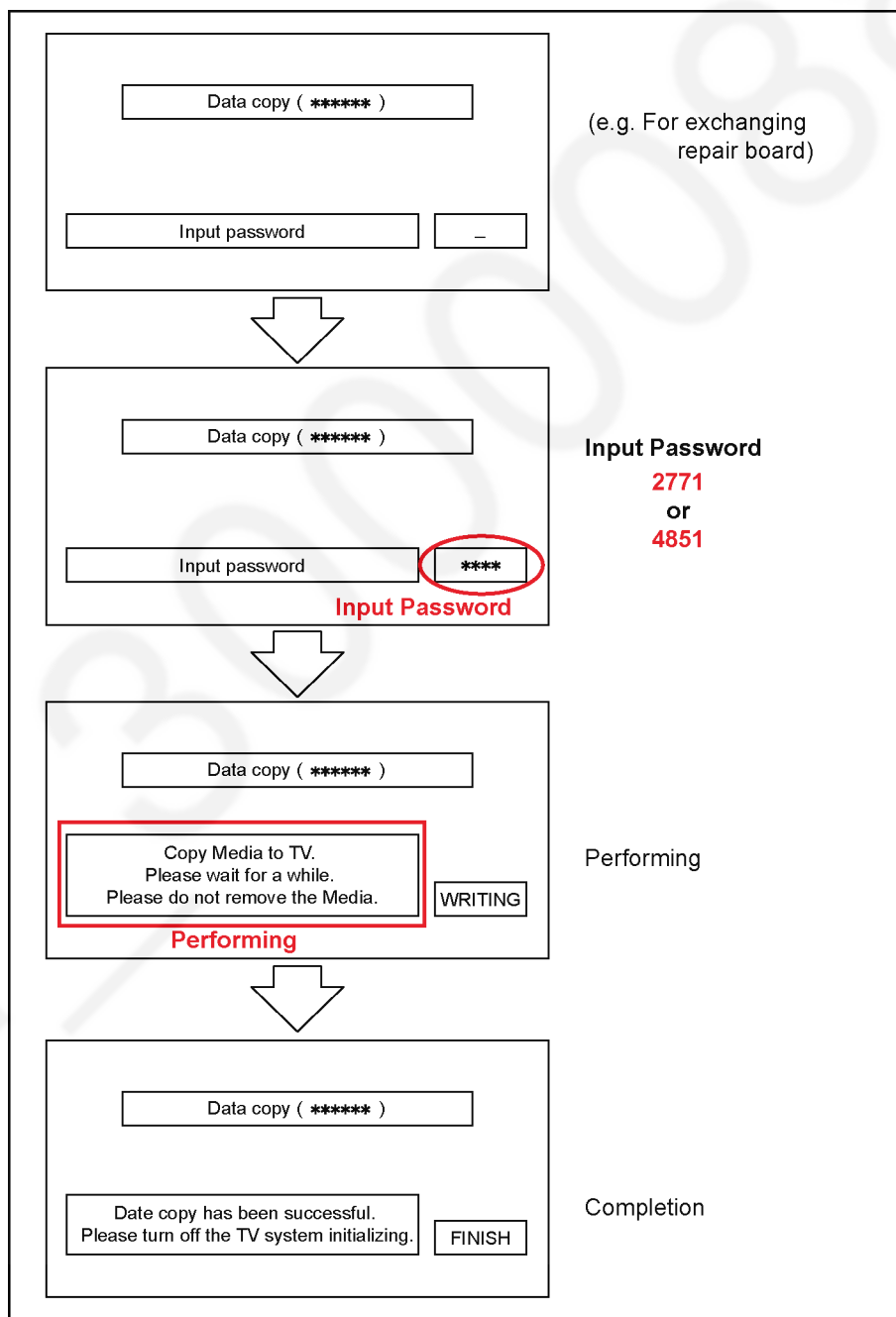


5.8.4. Data copy from USB Memory to TV set

1. Turn on the TV set.
2. Insert USB Memory with Data to USB terminal.
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 USB Memory to TV set.
4. After the completion of copying to USB Memory, remove USB Memory 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.



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

6.1.1.1. Self-check indication only:

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

6.1.1.2. Self-check indication and forced to factory shipment setting:

Caution:

New key will be generated and previous TV programmes recorded in USB HDD will not be viewed. (See USB HDD Recording)

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. Screen display

Example:

SELF CHECK COMPLETE		
H14TUN	OK	PEAKS-SOFT *, **
H07TEMP	OK	PEAKS-EEP **, **, ****
H17LAN	OK	LSI-PACKAGE *, **
H00FE	OK	LSI-RELEASE *, **
H00SAT-TU	OK	AQ-PACKAGE *, **
H96ID	OK	AQ-RELEASE *, **
H97ID2	OK	STBY-SOFT *, **, **
H42WiFi	OK	STBY-EEP *, **, ****
H71TCON	OK	TCON SOFT ****
		INFO-1 ****
		INFO-2 ****
		INFO-3 ****
		MODEL ID **

6.1.3. Check Point

Confirm the following parts if NG was displayed.

DISPLAY	Check Ref. No.	Description	Check Point
H14TUN	TU6708	TUNER	A-BOARD
H07TEMP	IC5911	TEMP SENSOR	A-BOARD
H17LAN	IC8000	ETHERNET	A-BOARD/LAN
H00FE	IC6800	DEMODULATOR	A-BOARD
H00SAT-TU	IC6802	DEMODULATOR	A-BOARD
H96ID		ID	A-BOARD
H97ID2		ID2	A-BOARD
H42WiFi		WiFi	A-BOARD/WiFi
H71TCON		TCON	LCD PANEL

6.1.4. Exit

Disconnect the AC cord from wall outlet or press the [POWER] button on the main unit for 3 seconds to turn off and then turn on automatically.

6.2. 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	BL SOS	LCD PANEL P-Board
7	SUB 3.3V SOS OVER-VOLTAGE SOS	P-Board A-Board
9	SOUND SOS	A-Board Speaker
10	FRC SOS	A-Board
13	EMERGENCY SOS	A-Board

6.3. 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 [YELLOW] button of the remote control three times within 2 seconds.

How to Exit:

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

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.

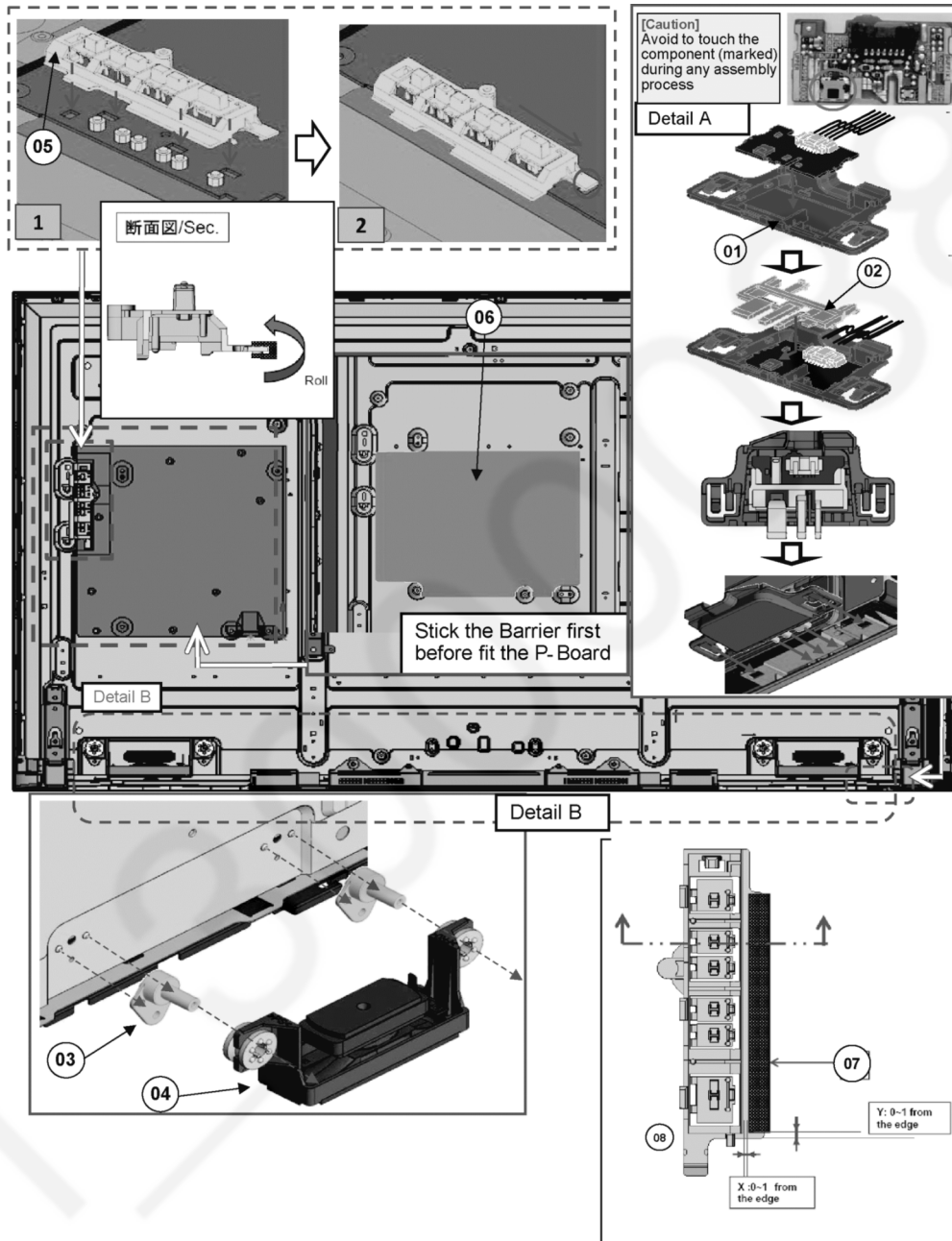
In LCD Panel test mode, this test pattern is displayed unaffected by signal processing for RF or input signal.

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

7 Disassembly and Assembly Instructions

7.1. Key Button & LED Assembly

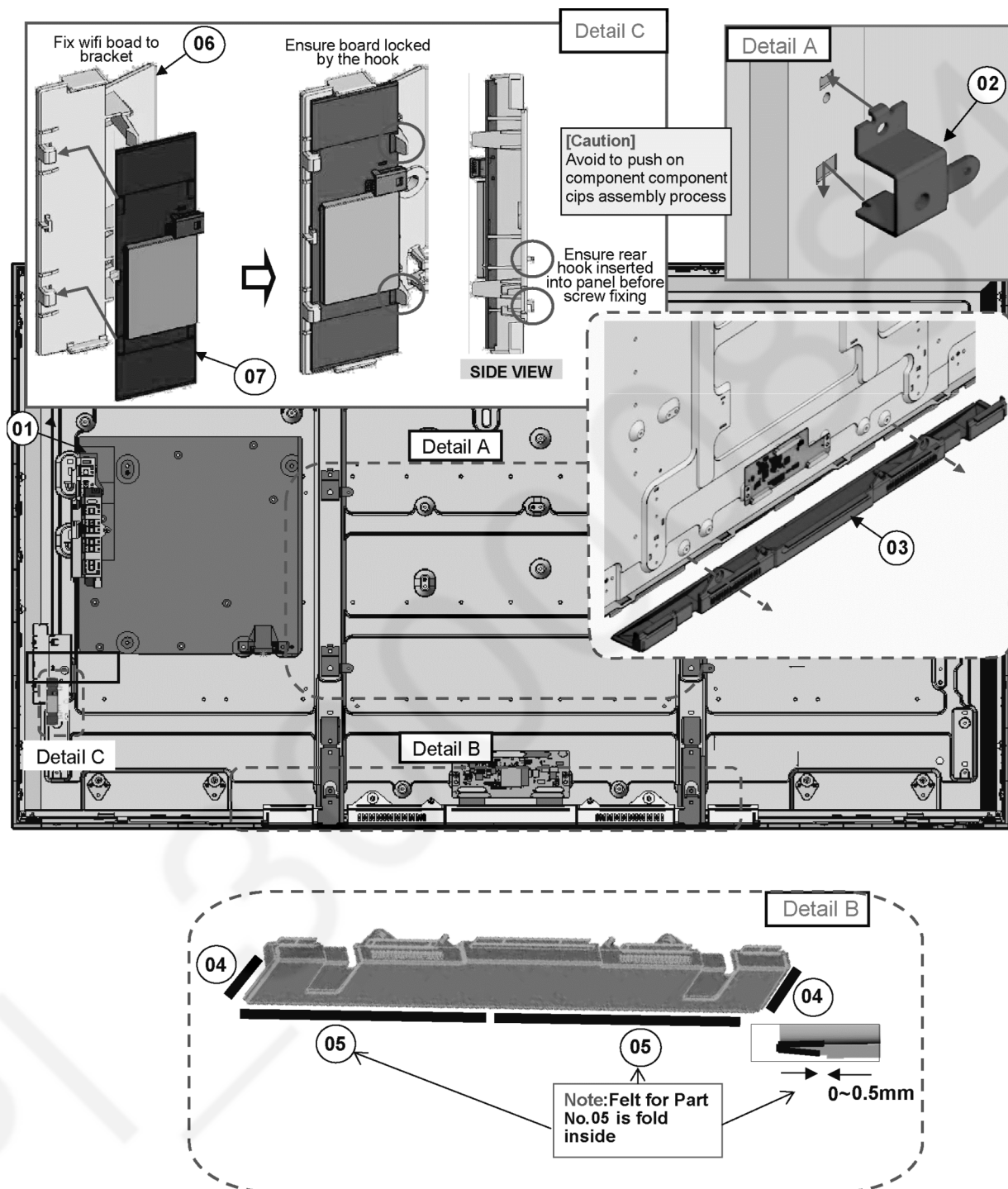
1. Fix SP Bracket.
2. Install SP Unit.
3. Fix Key Button Bracket.
4. Stick the Barrier.



No	Description	Qty	UOM	Remarks
01	LED PANEL CASE	1	PC	
02	LED PANEL	1	PC	
03	SP BRACKET	4	PC	
04	SPEAKER UNIT	2	PC	
05	KEY BUTTON BRACKET	1	PC	
06	BARRIER	1	PC	
07	FELT (W10 X L85 X T0.35)	2	PC	

7.2. Vesa Metal & Btm Back Cover

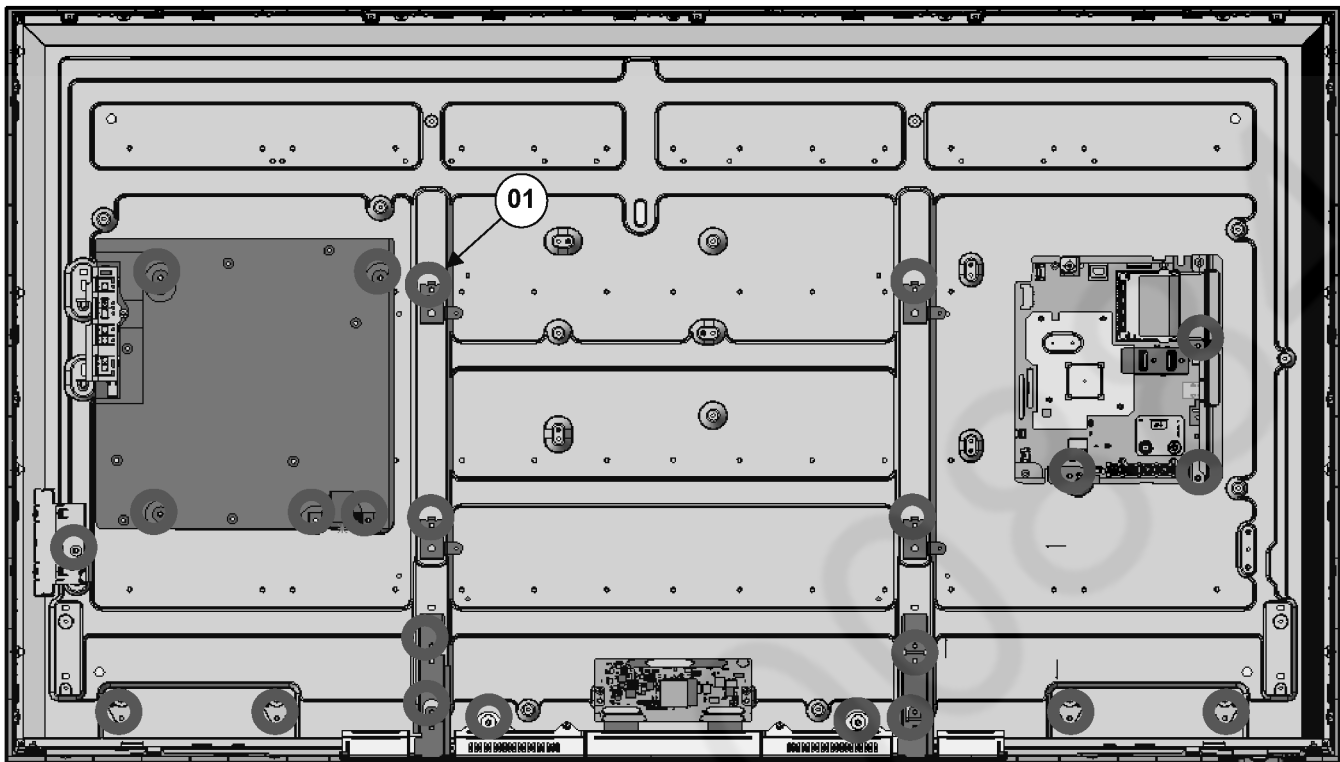
1. Stick Felt to Bottom Back Cover.
2. Fix Bottom Back Cover.
3. Install VESA Metal.



No	Description	Qty	UOM	Remarks
01	ASS'Y 49 IN-HOUSE PANEL	1	PC	
02	VESA METAL	4	PC	
03	BOTTOM BACK COVER	1	PC	
04	FELT (W5 ∞ L40 ∞ T0.35)	2	PC	
05	FELT (W10 ∞ L240 ∞ T0.35)	2	PC	
06	WIFI BRACKET	1	PC	
07	WIFI MODULE	1	PC	

7.3. Screw Installation Panel

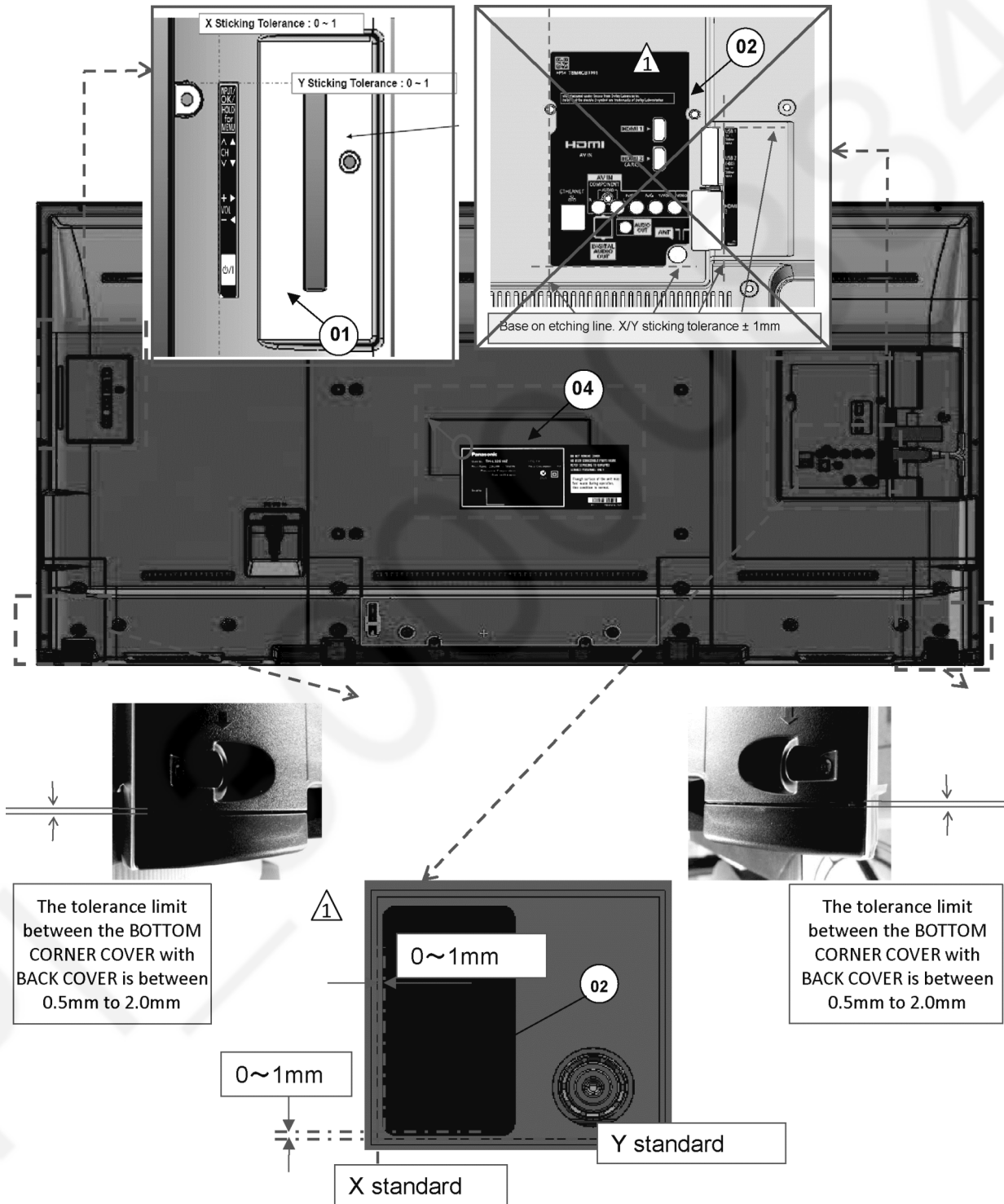
1. Screw all part follow the picture shown.



No	Description	Qty	UOM	Remarks
01	SC (A3/P5/VESA4/MTL4/SP4/WIFI1/LD4/B2)	19	PC	5 - 7 Kgfcmm

7.4. Screw Installation BC

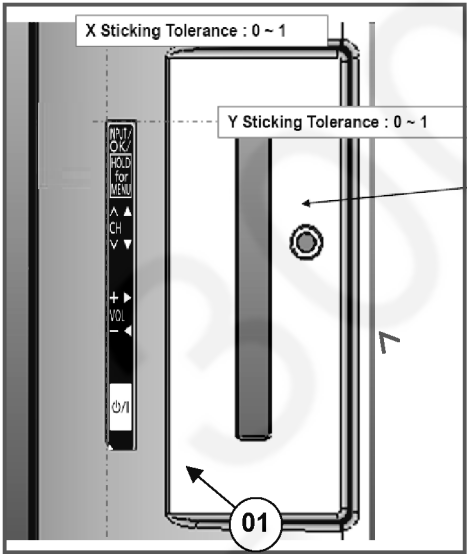
1. Screw all part follow the picture shown.



No	Description	Qty	UOM	Remarks
01	BACK COVER	1	PC	
01	SC (BC13/AV3/CRTL1/SP4)	21	PC	5-7 Kgfc/m
02	SC (BC5/VESA4)	5	PC	5-7 Kgfc/m

7.5. Label Installation

1. Stick Side Button Label, Side AV Sheet, Rear AV Sheet, and Model Name Plate follow the picture shown.



No	Description	Qty	UOM	Remarks
01	SIDE BUTTON LABEL	1	PC	
02	MODEL NAME PLATE	1	PC	

7.6. Handling SPEC

■ Moving the LCD module

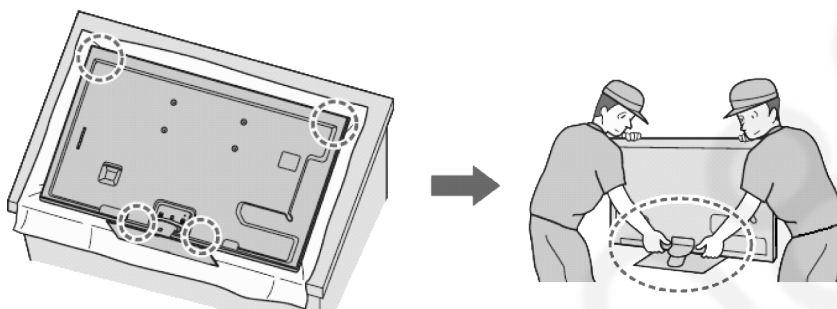
The module should be handle by two people and hold on that top and bottom long side by both hands without module warping. Never handle the module with keeping horizontal position when moving the module in order to avoid internal damage and deformation. Never drop or hit the module.

■ About the work table

When tightening a screw, retention structures are required not to deform the LCD module.

■ Moving the TV (Case with a stand)

Hold the specified parts as shown to stand the TV up and move it with two people.



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.

Power Supply Name	Measurement Point	Specification
PNL12V	TP5260	12.1V $\pm$ 0.8V
SUB5V	TP5221	5.1V $\pm$ 0.25V
USB1	TP8701	5.1V $\pm$ 0.25V
USB2	TP8705	5.1V $\pm$ 0.25V
USB-WiFi	TP8718	5.14V $\pm$ 0.25V
SUB3.3V	TP5011	3.32V $\pm$ 0.165V
HDMI3.3V	TP4514	3.35V $\pm$ 0.17V
SUB_AI_3.3V	TP2206	3.32V $\pm$ 0.165V
STB_1.5V	TP8101	1.50V $\pm$ 0.07V
SUB1.2V	TP8100	1.20V $\pm$ 0.06V
EU_TU_1.8V	TP5704	1.84V $\pm$ 0.1V
LNB_PWR1	TP6702	18V $\pm$ 1.0V
DTMB_1.2V	TP5705	1.20V $\pm$ 0.12V

8.2. Voltage chart of P-board

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

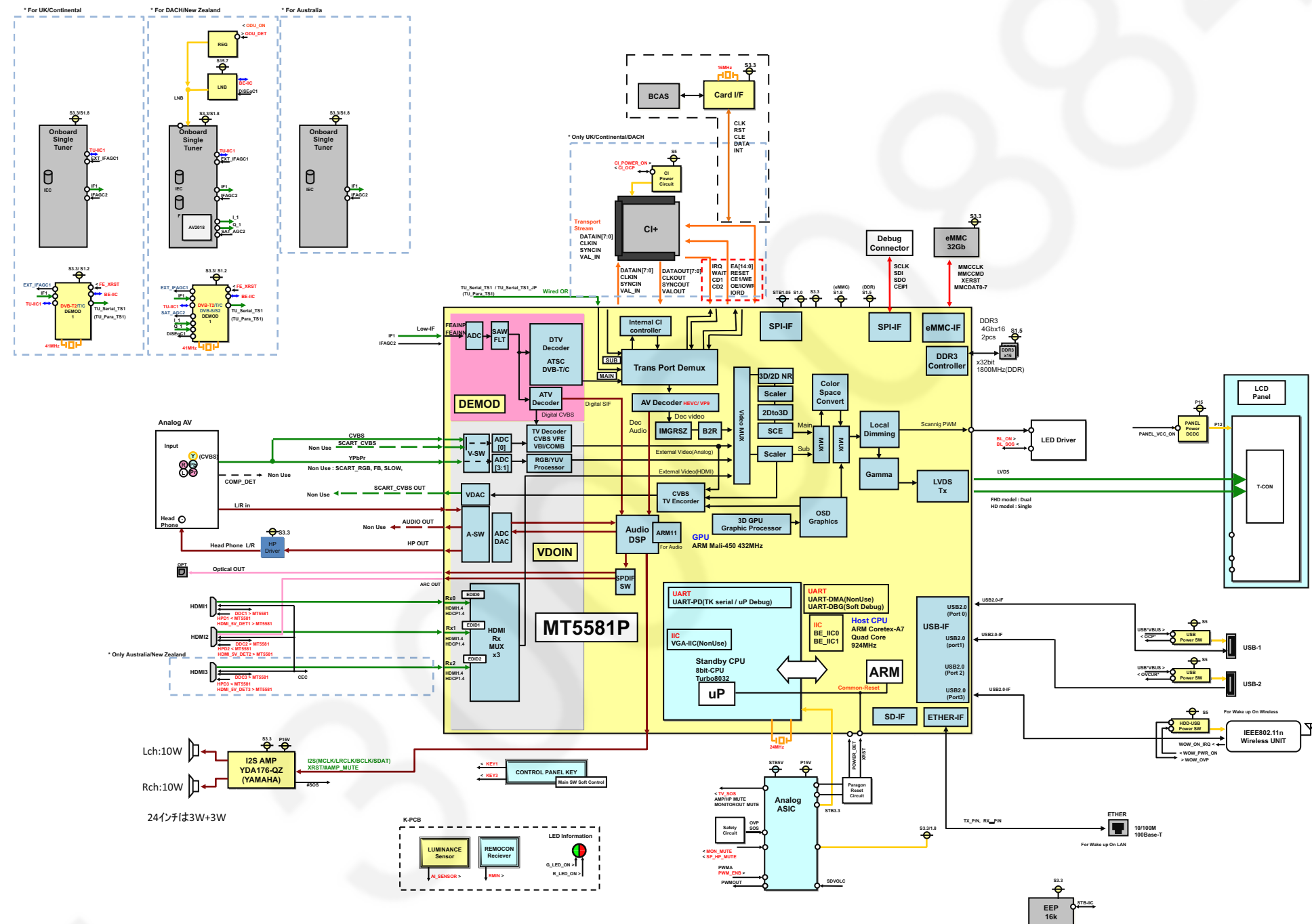
Output	Test Point	GND	Step 1	Step 2	Step 3	
PFC	TP7201/02	TP7203/04	<340V	390V $\pm$ 15V	390V $\pm$ 15V	*HOT
5VS	TP7405/20	TP7427/31/32	5.25 $\pm$ 0.2V	5.25 $\pm$ 0.2V	5.25 $\pm$ 0.2V	
16V	TP7410/11/12	TP7427/31/32	<1V	16 $\pm$ 0.6V	16 $\pm$ 0.6V	
64V	TP7408/09	TP7801/02/03	<1V	68V $\pm$ 10V	68V $\pm$ 10V	
VLED	TP101	TP102	<1V	<1V	1.62 [V] ~ 1.81 [V]	*JIG

Step 1 Supply to AC connector (JK7101) in the P-Board. SW1/ SW2 is OFF.

Step 2 SW1 to supply DC 2.5V to ON and TV_SUB_ON (TP7419). SW2 is OFF.

Step 3 SW2 to ON, and supply the DC3.3V to BL_ON (TP7518) / PWM1 (TP7517). SW1 is ON.

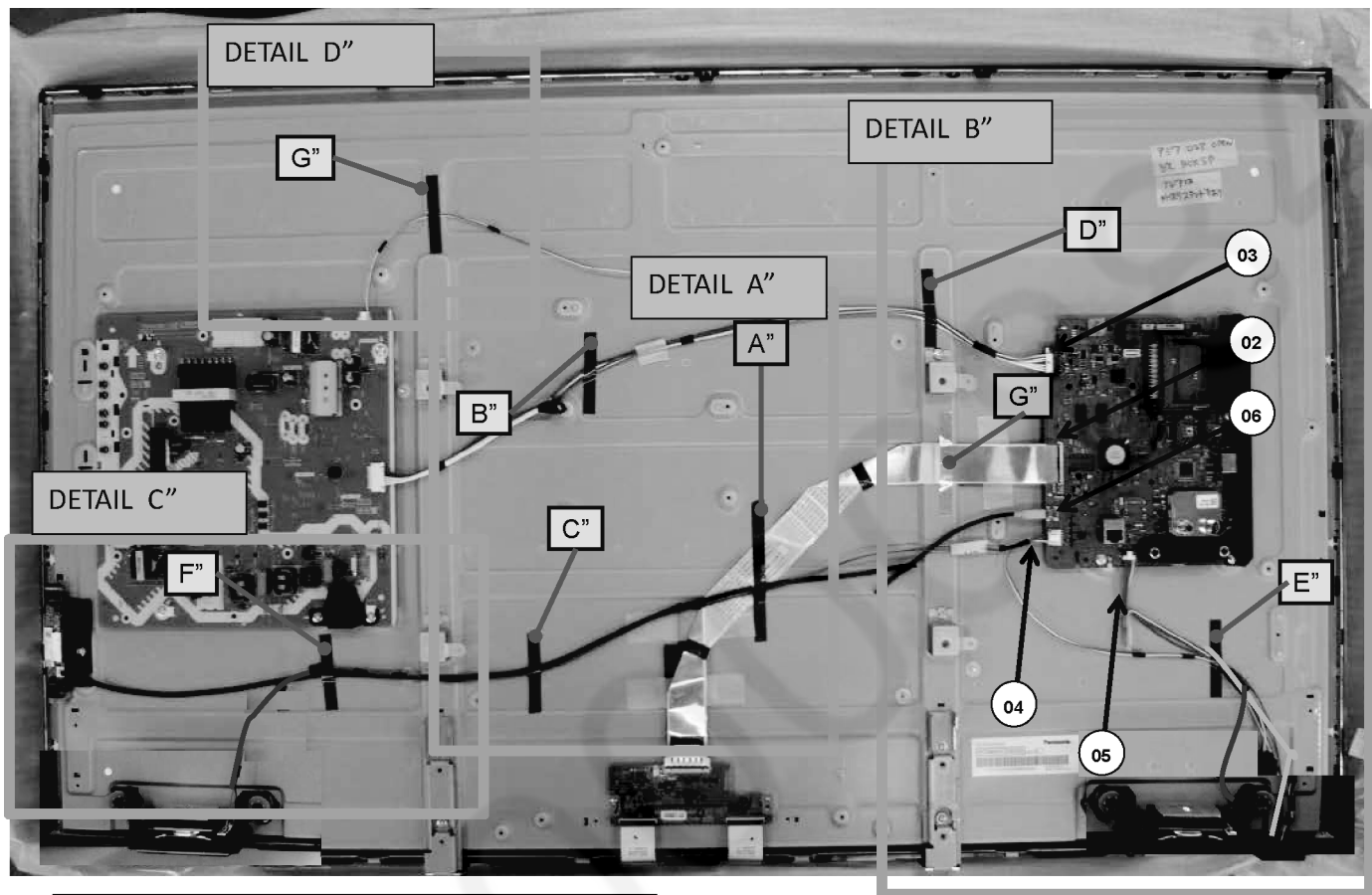
9.1. Main Block Diagram



10 Wiring Connection Diagram

10.1. Wire Dressing

1. Do the wire dressing follow the diagram below.
2. Each tape sticking is detail.



- | | |
|--------------|----------------------------|
| A | : PET TAPE (110 mm x 1 PC) |
| B - F | : PET TAPE (60 mm x 6 PC) |
| G | : AL PET TAPE (1 PC) |

**Base point of sticking
the AL+PET TAPE (W10XL80)**

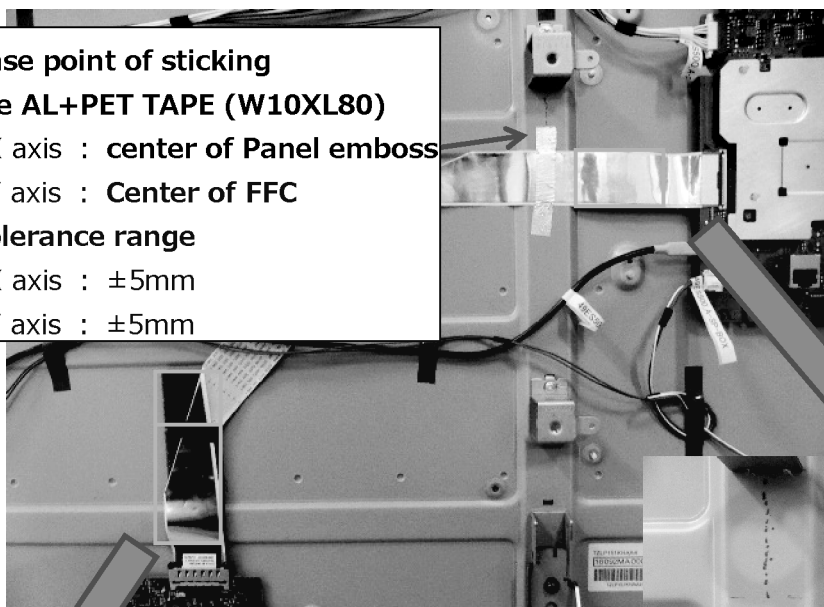
X axis : center of Panel emboss

Y axis : Center of FFC

Tolerance range

X axis : $\pm 5\text{mm}$

Y axis : $\pm 5\text{mm}$



Base point of sticking the sponge

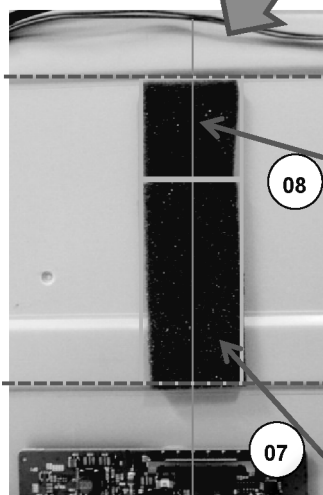
X axis : Center of FFC connector

Y axis : Bottom of panel emboss

Tolerance range

X axis : $\pm 5\text{mm}$

Y axis : $\pm 5\text{mm}$



Base point of sticking the sponge

X axis : Center of FFC connector

Y axis : Bottom of panel emboss

Tolerance range

X axis : $\pm 5\text{mm}$

Y axis : $\pm 5\text{mm}$

07

Base point of sticking the sponge

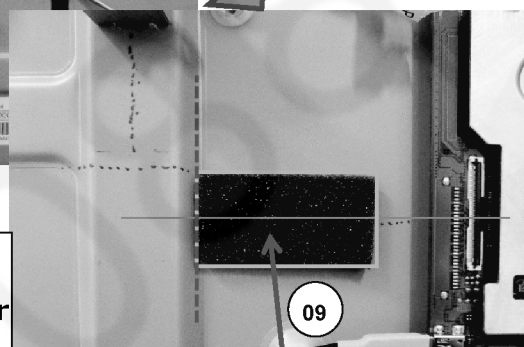
X axis : left edge from side of
panel emboss

Y axis : Center of FFC connector

Tolerance range

X axis : $\pm 5\text{mm}$

Y axis : $\pm 5\text{mm}$



X : Right edge of drawing(emboss)
on bottom frame
Y : Center to Top edge of drawing(emboss)

A

DETAIL A

X : Right edge of drawing(emboss)
on bottom frame
Y : Top edge of drawing(emboss)
on bottom frame

B

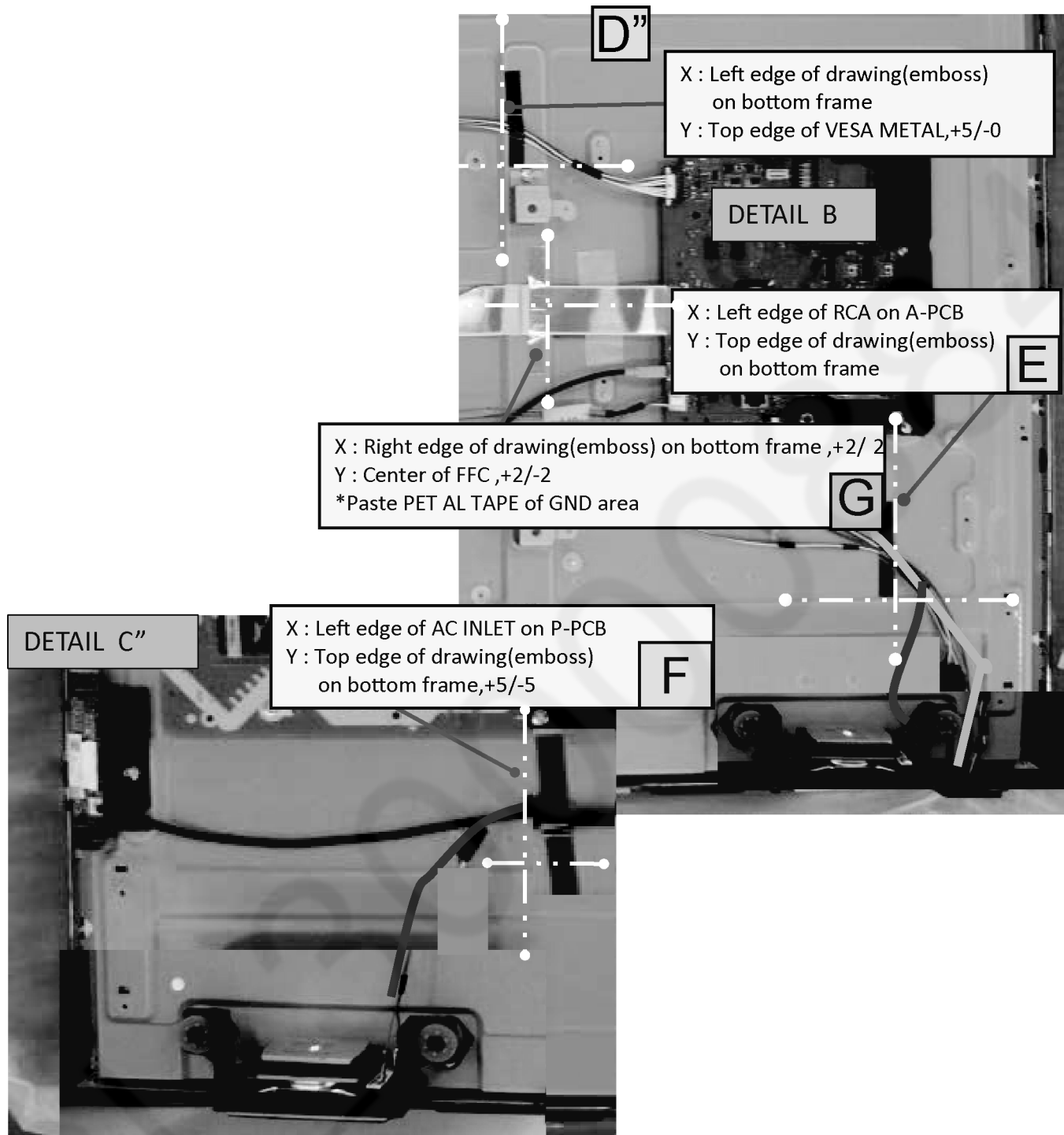
X : Left edge of drawing(emboss)
on bottom frame
Y : Top edge of drawing(emboss)
on bottom frame

G

DETAIL D

X : Left edge of drawing(emboss)
on bottom frame
Y : Top edge of drawing(emboss)
on bottom frame

C



No	Description	Qty	UOM	Remarks
01	PET TAPE	0.47	MT	
02	LVDS CABLE	1	PC	
03	WIRE (A02-P2)	1	PC	
04	WIRE (A12-SPL/ SPR)	1	PC	
05	WIRE (A10-K10)	1	PC	
06	WIFI DONGLE WIRE	1	PC	
07	SPONGE (T3 X W30 X L75)	1	PC	
08	SPONGE (T3 X W25 X L30)	1	PC	
09	SPONGE (T3 X W25 X L50)	1	PC	

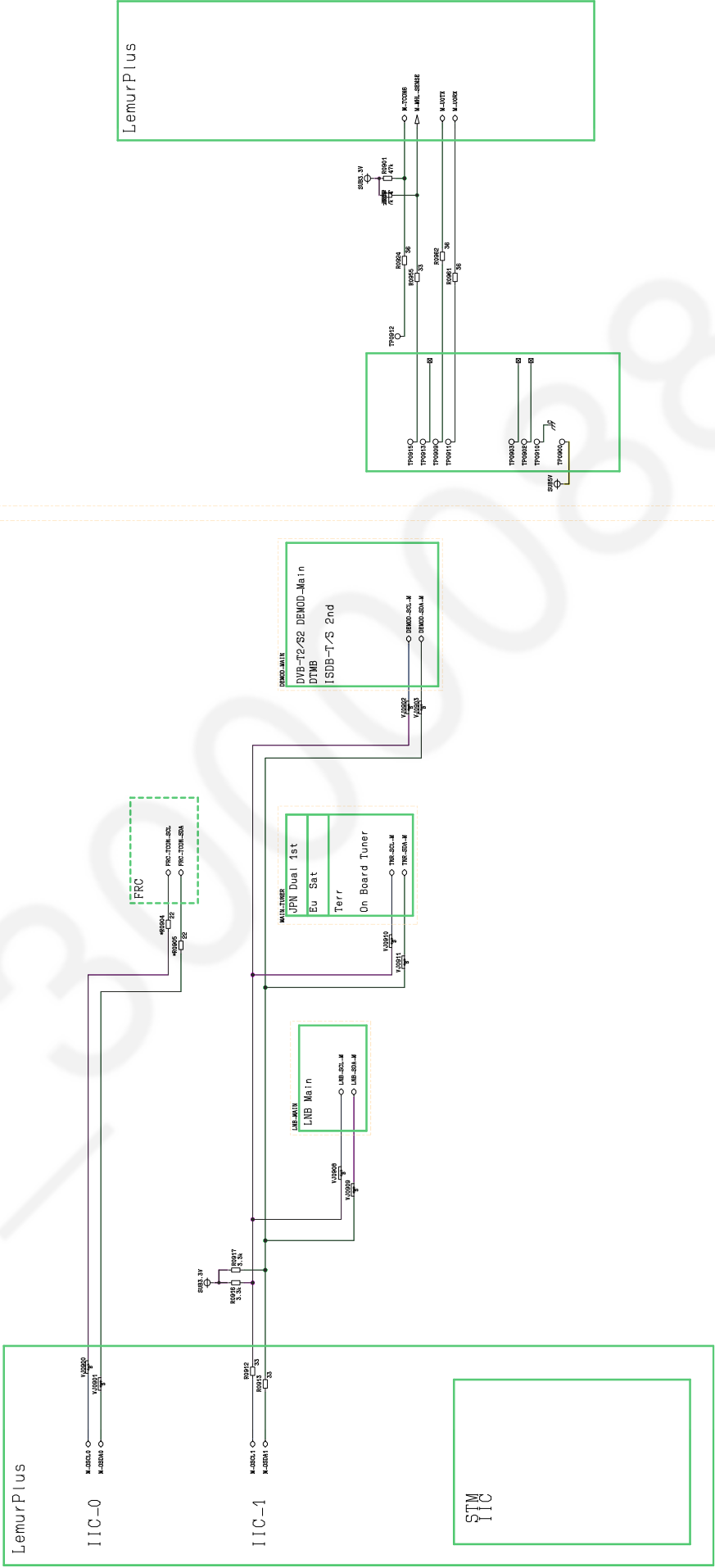
SHEET 002

IIC

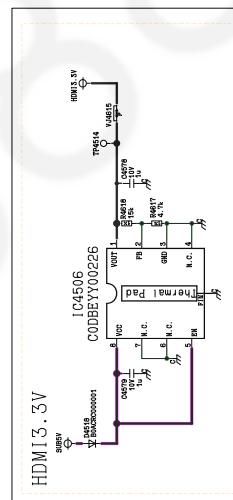
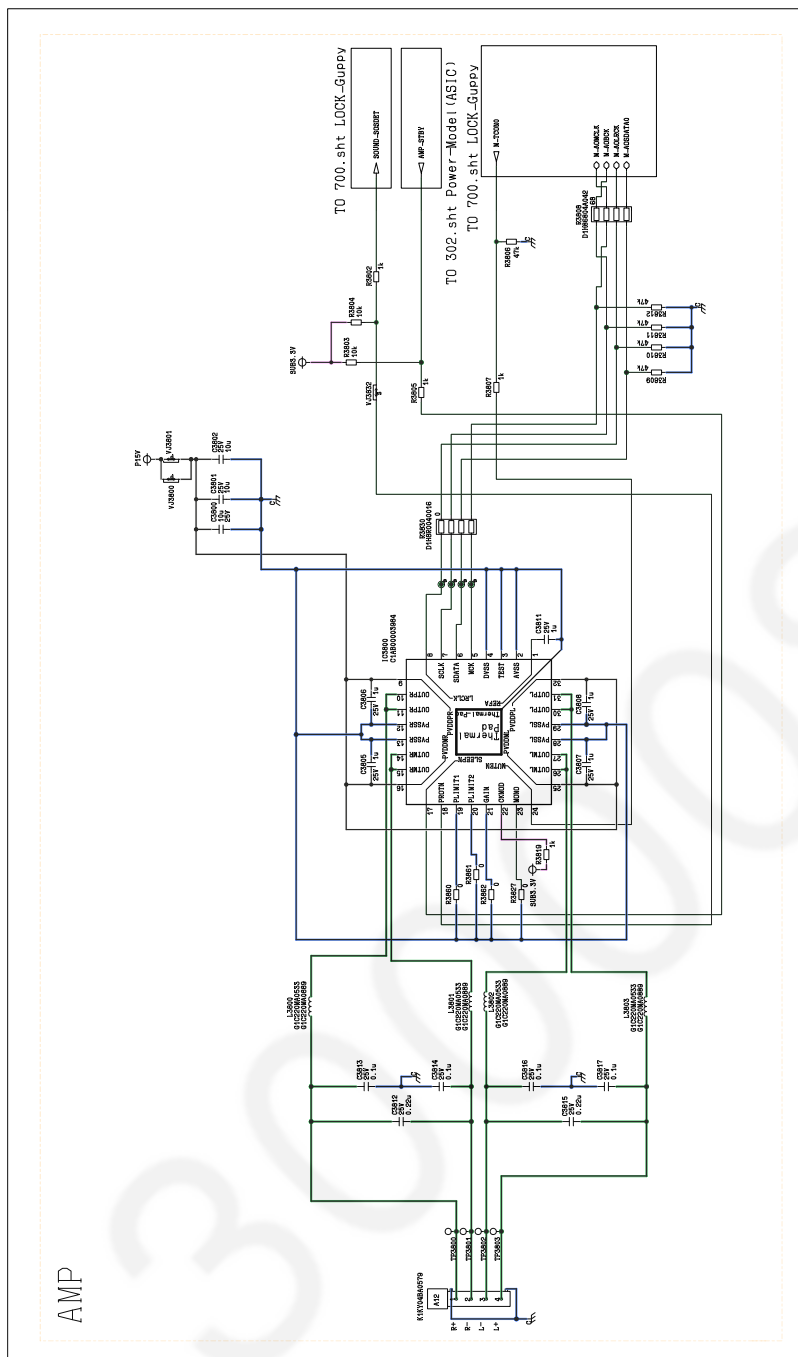
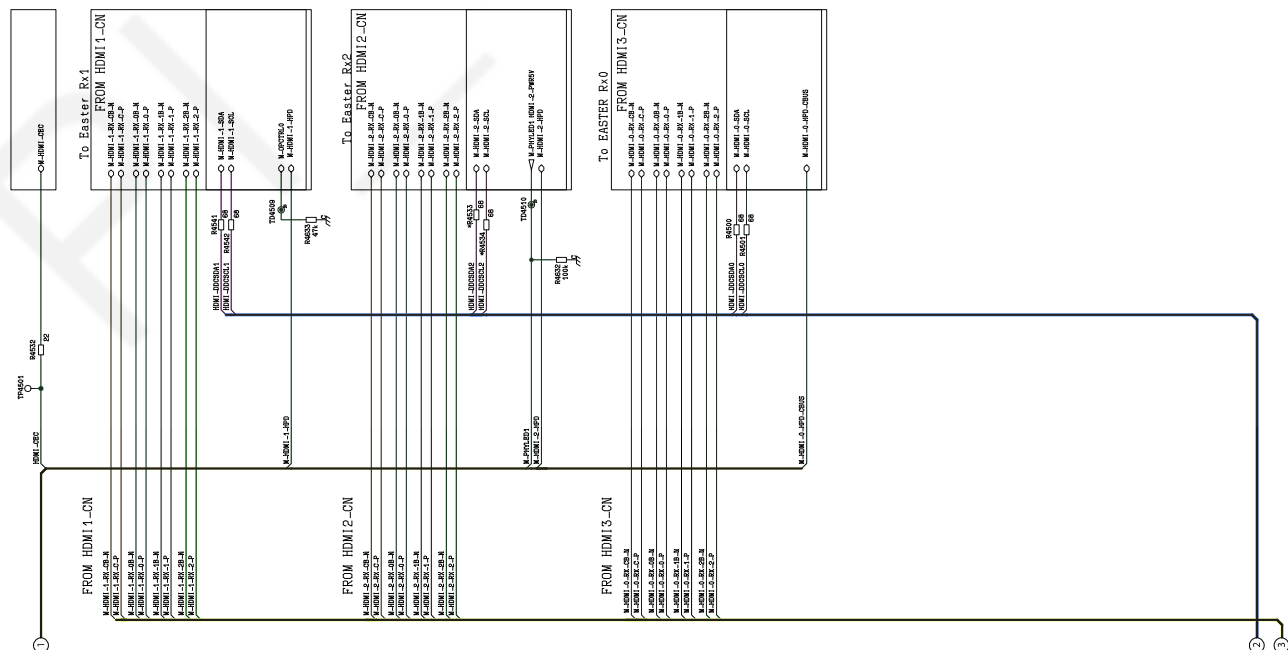
REF No. 0900 - 0999

IIC-BUS

ADJUST-DEVELOP







SHEET 004
TANSHI /AVSW

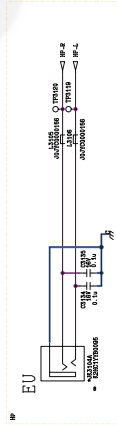
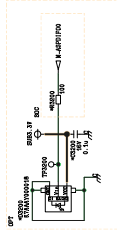
REF No. 3050 - 3249

Analog A/V IF
Digital Audio IF

TERMINAL

OPT

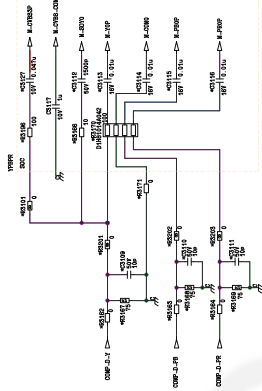
HP



H-PRINT

COMPONENT IN

E. A. N-COMP&AV2



AUDIO IN

SCART
E/A-J-AV1



DET

SCART

USE

E-AV1-FB

E-AV1-SLOW

D

COMP-DET NONUSE

COMP-DET

D-DET (UP)

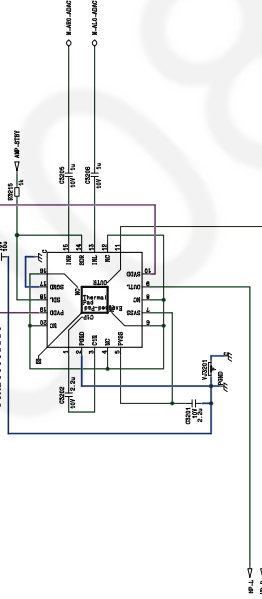
D

D

D

HP OUT

HP-AMP
TNPH1179VF

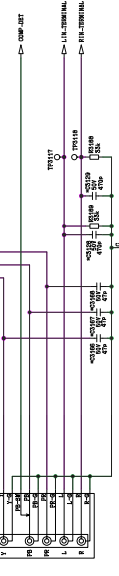


COMP/CVBS-IN + LR-IN + LR-OUT

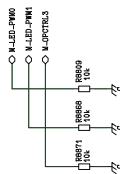
YUV-V-A-IN

OTHER

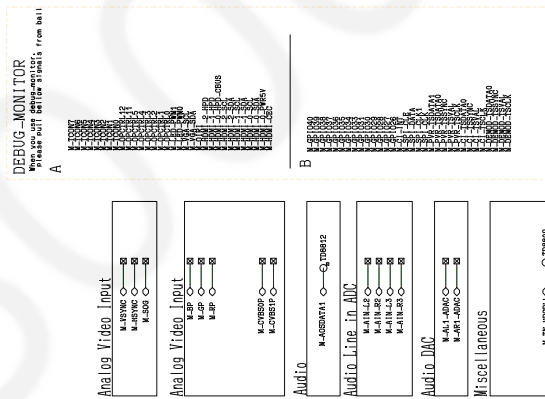
*JK3102
= KU511000013



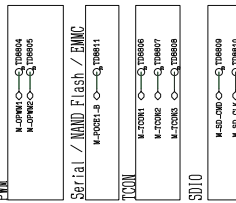
PIN-STRAPPING



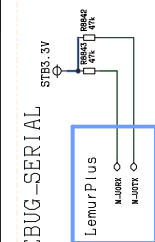
PIN_TERMINATION



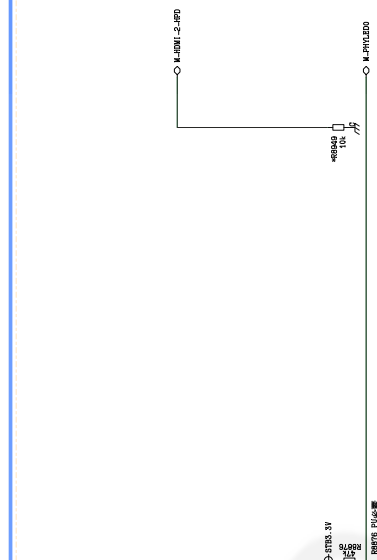
PWV



DEBUG_SERIAL



JTAG
JTAG削除

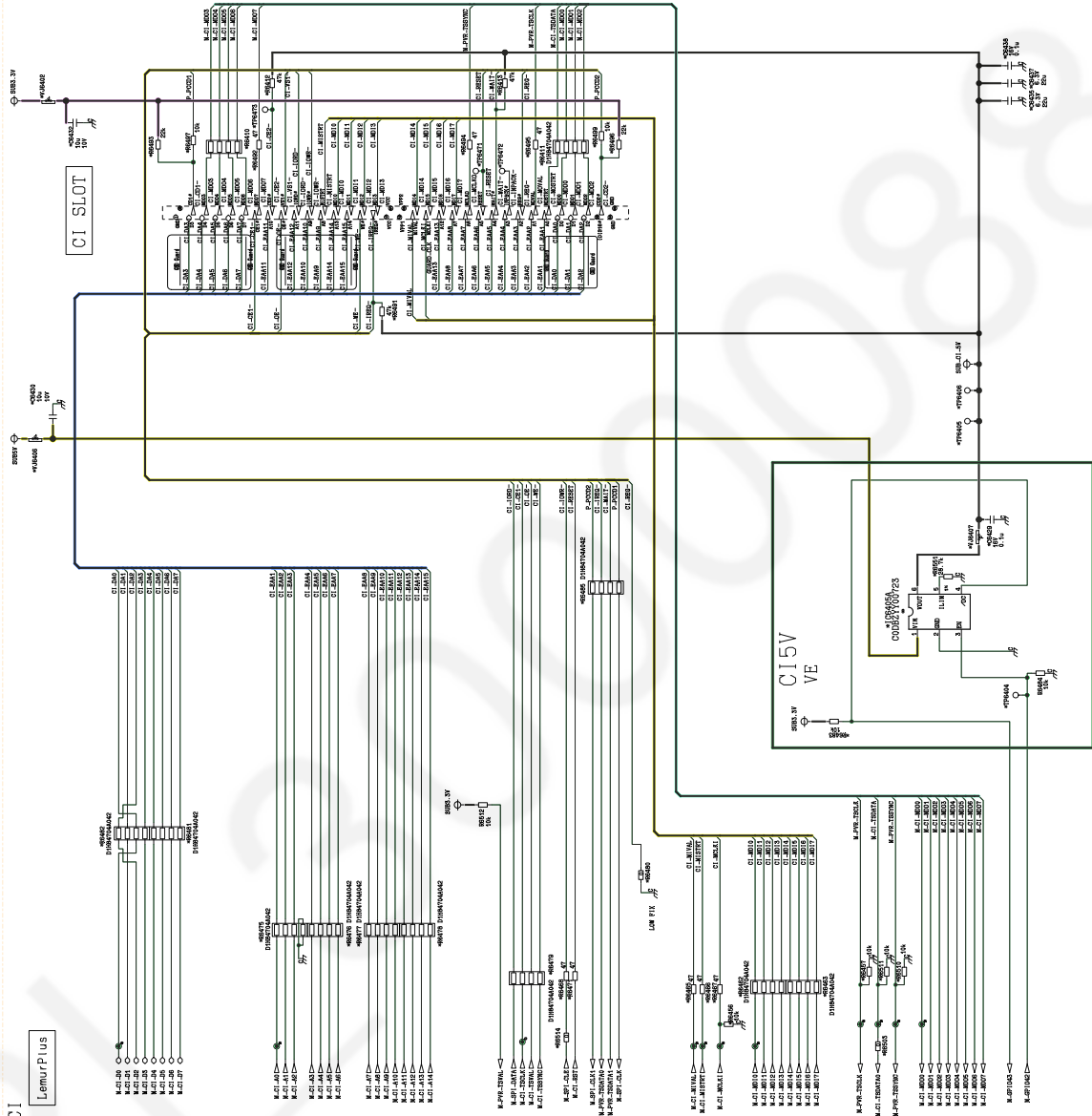


DEBUG-TS-INPUT
DEBUG-TS-INPUT



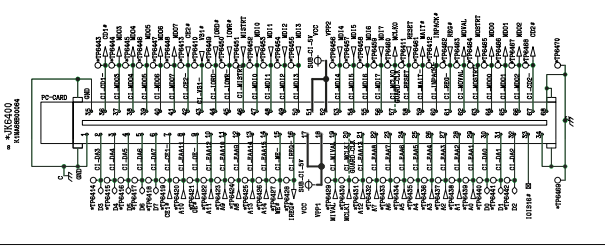
SHEET 006
CI/B-CAS
REF No. 6400 - 6599
REF No. 2700 - 2749

CI
LemurPlus

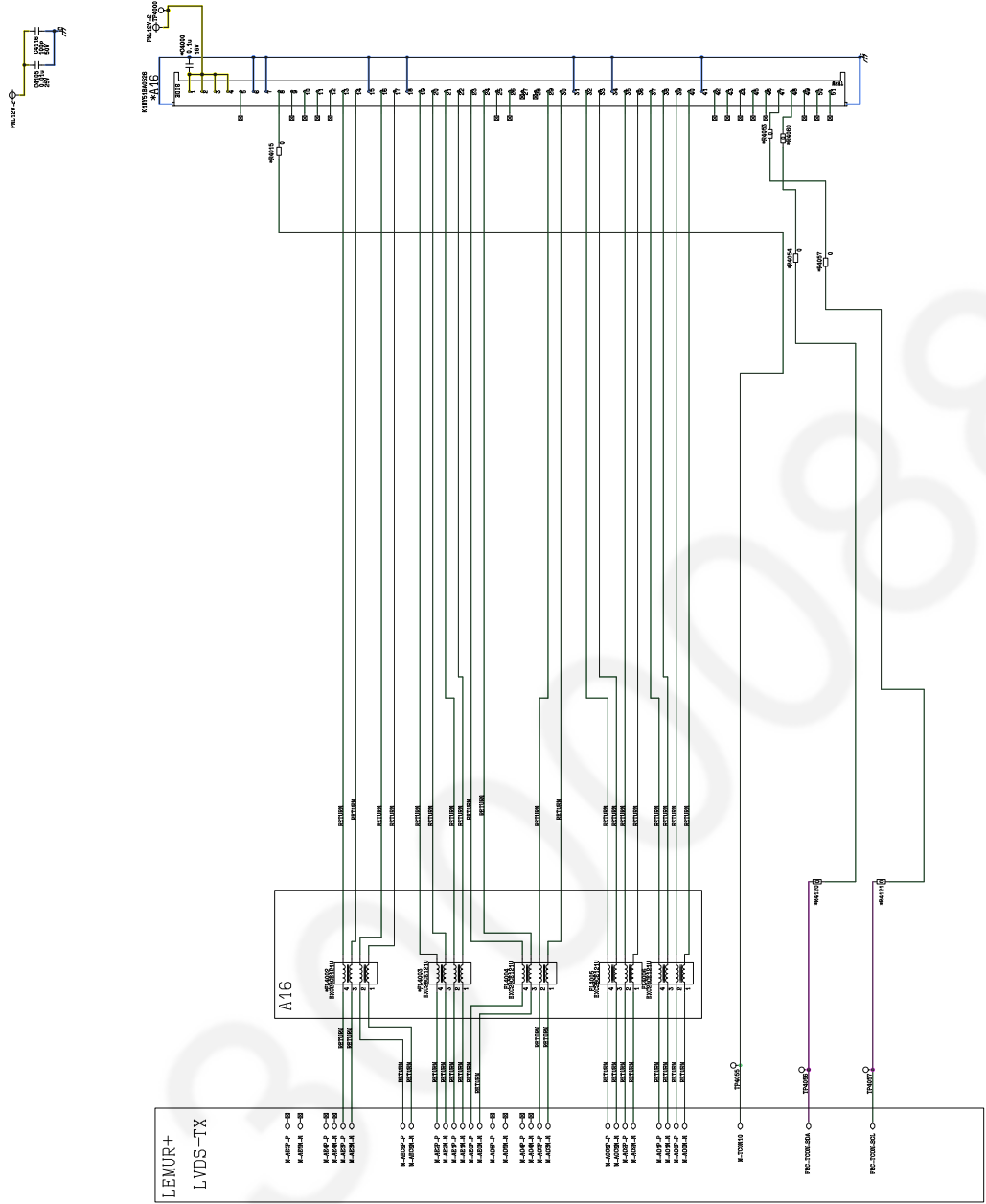


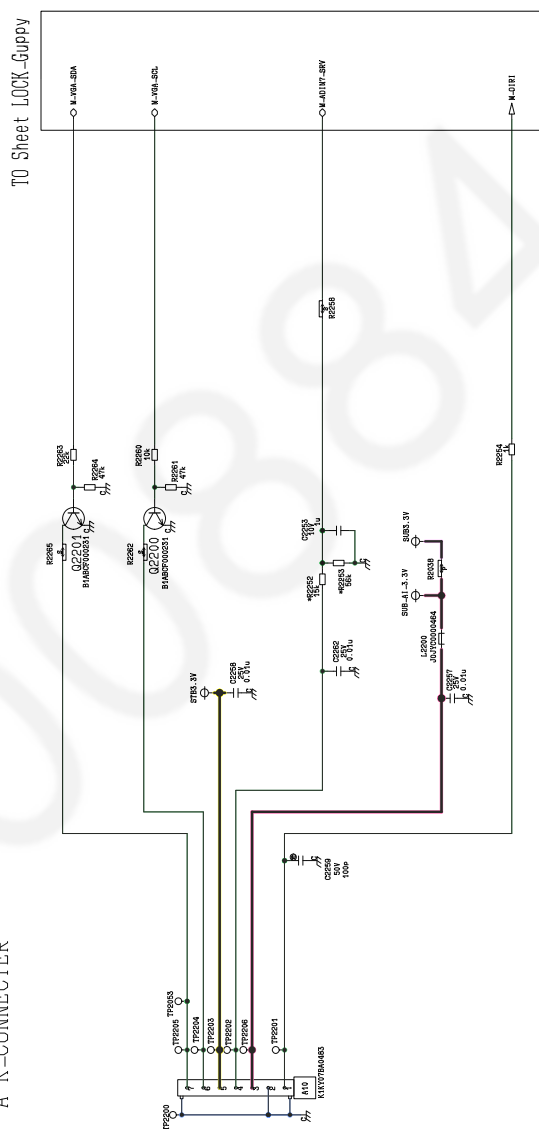
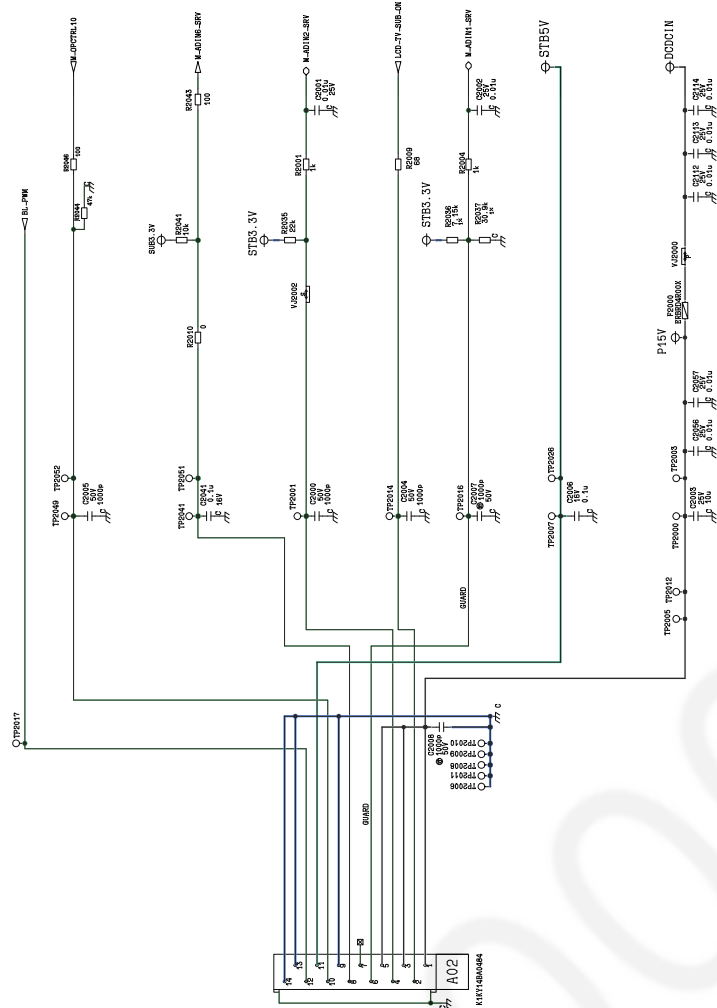
CI CONNECTOR

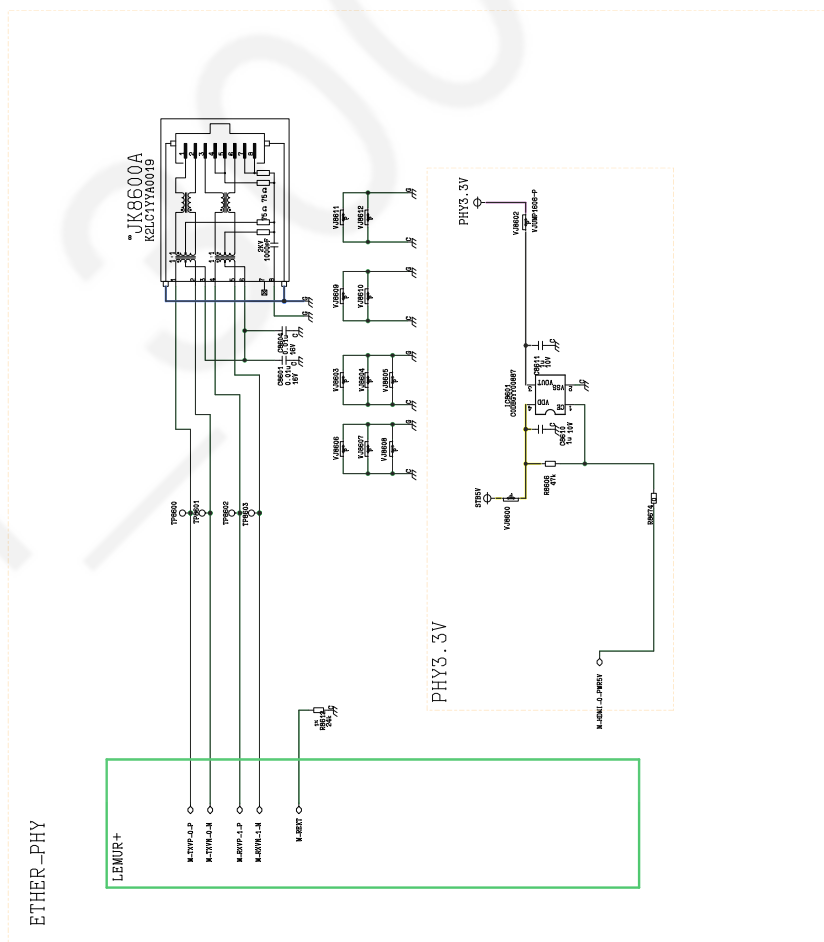
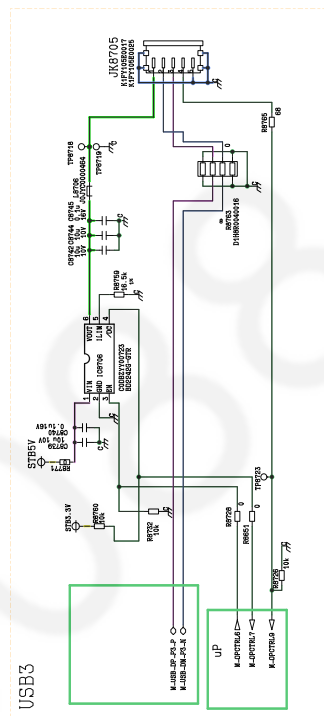
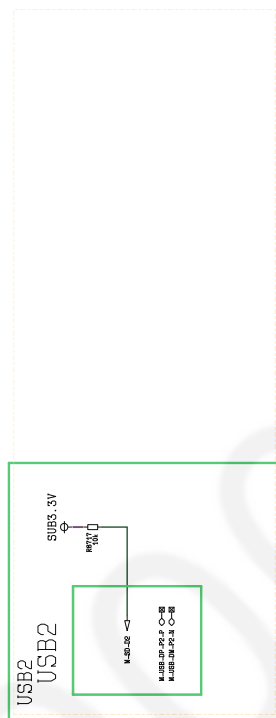
USE LO HEIGHT
THRU HOLE REFLOW



SHEET 009
LVDS-IF
REF No. 4000 - 4099



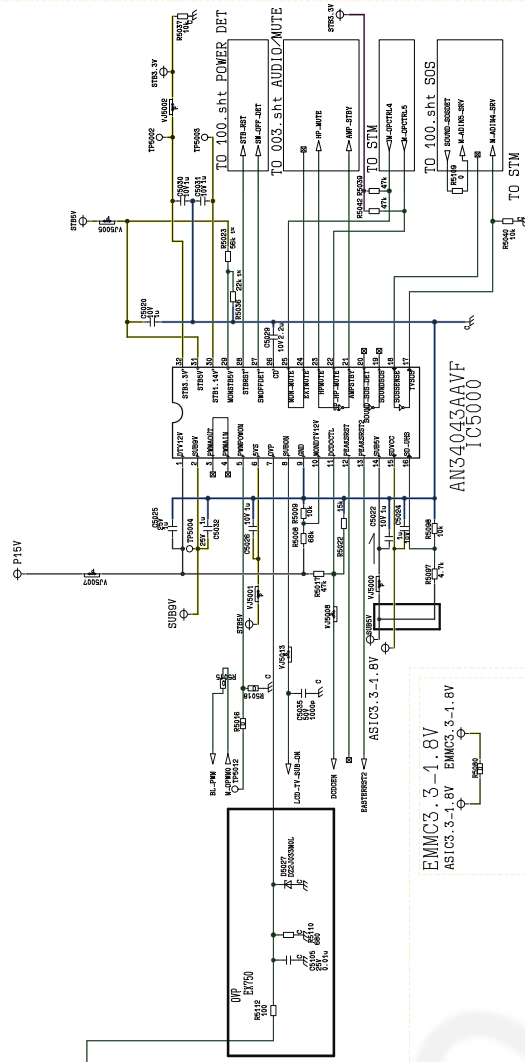
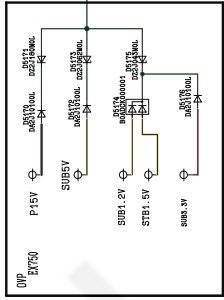




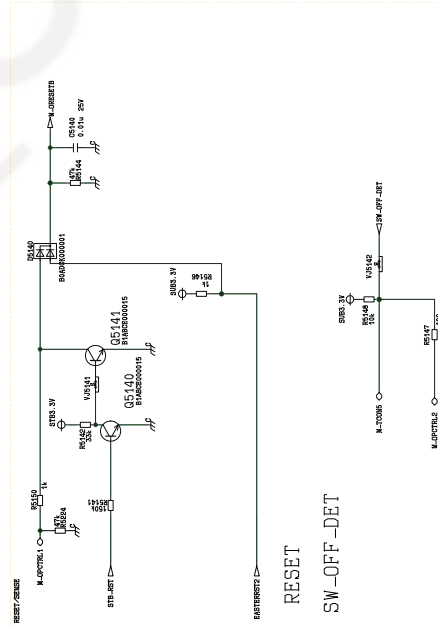
SHEET 302
COMMON-POWER
REF No. 5000 - 5199
REF No. 8700 - 8799

ASIC

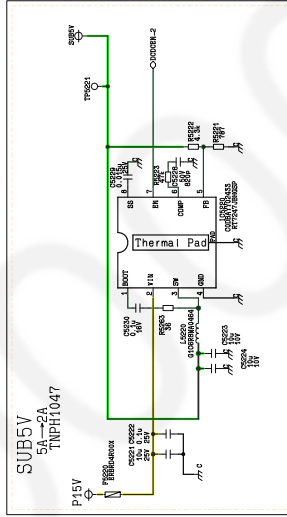
OMP



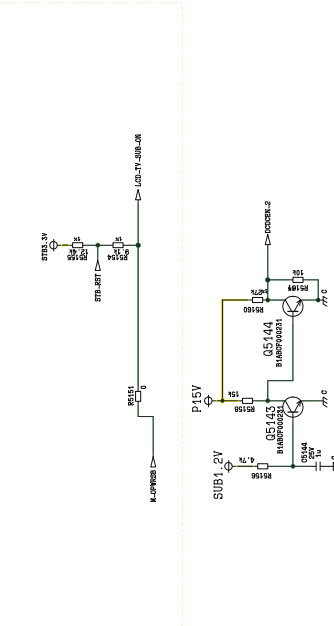
EMMC3.3-1.8V
ASIC3.3-1.8V



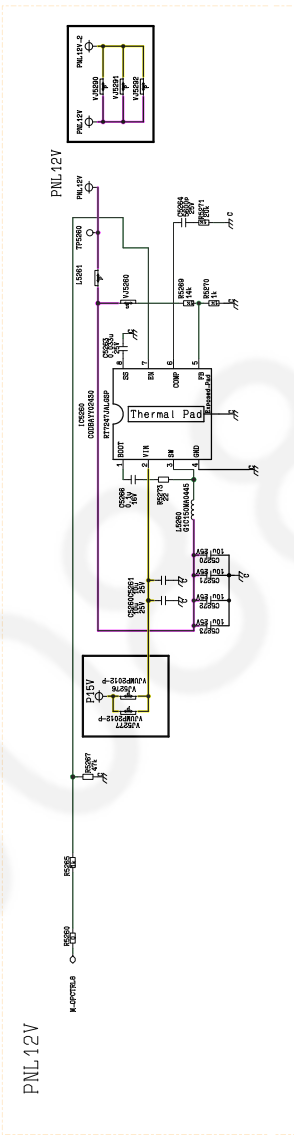
SUB3.3V

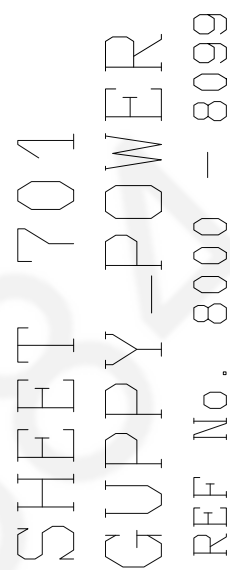


PNL12V

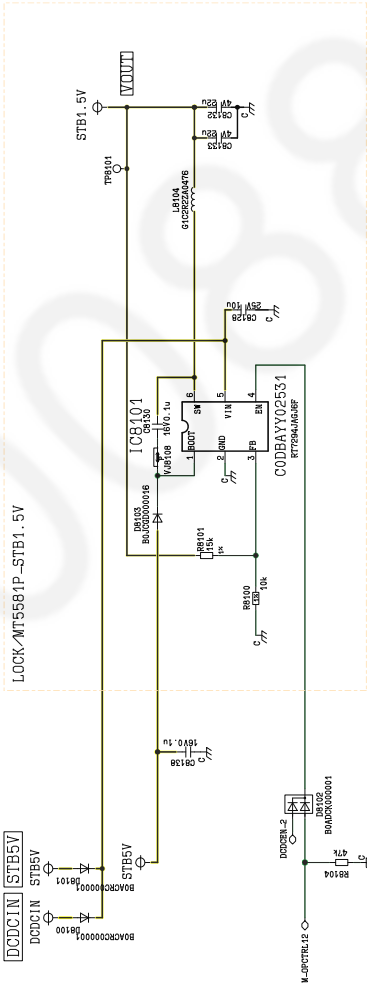
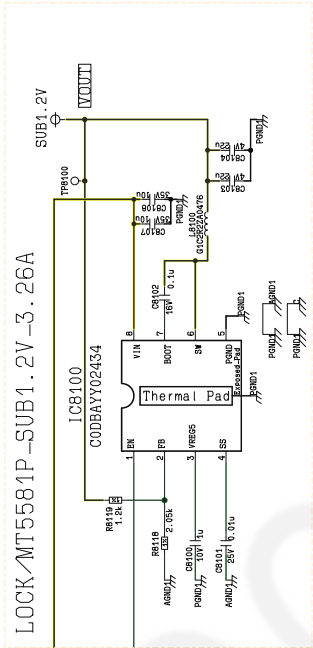


PNL12V





SHEET 702
LOCK-GUPPY-DCDC
REF No. 8100 - 8199



LOCK-GUPPY

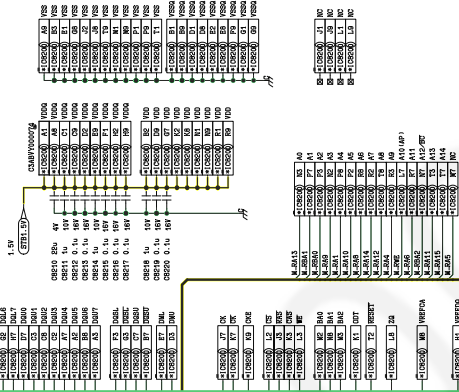
GUPPY

M-SDIO10-151

SHEET 703
LOCK-GUPPY-DDR3
REF No. 8200 - 8299
REF No. 8350 - 8399

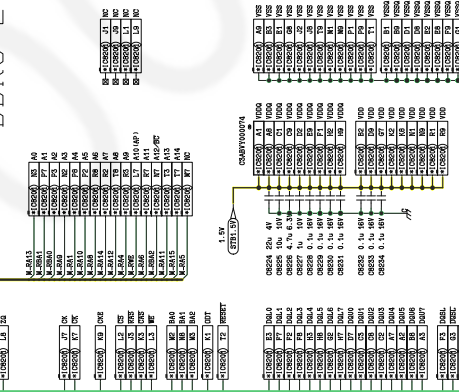
4Gbit DDR3 #1

DDR3 #1



4Gbit DDR3 #2

DDR3 #2



1.5V

GND

1.5V

GND

1.5V

GND

1.5V

GND

1.5V

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1.5V

GND

1.5V

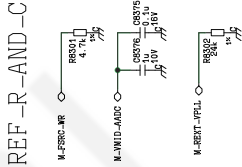
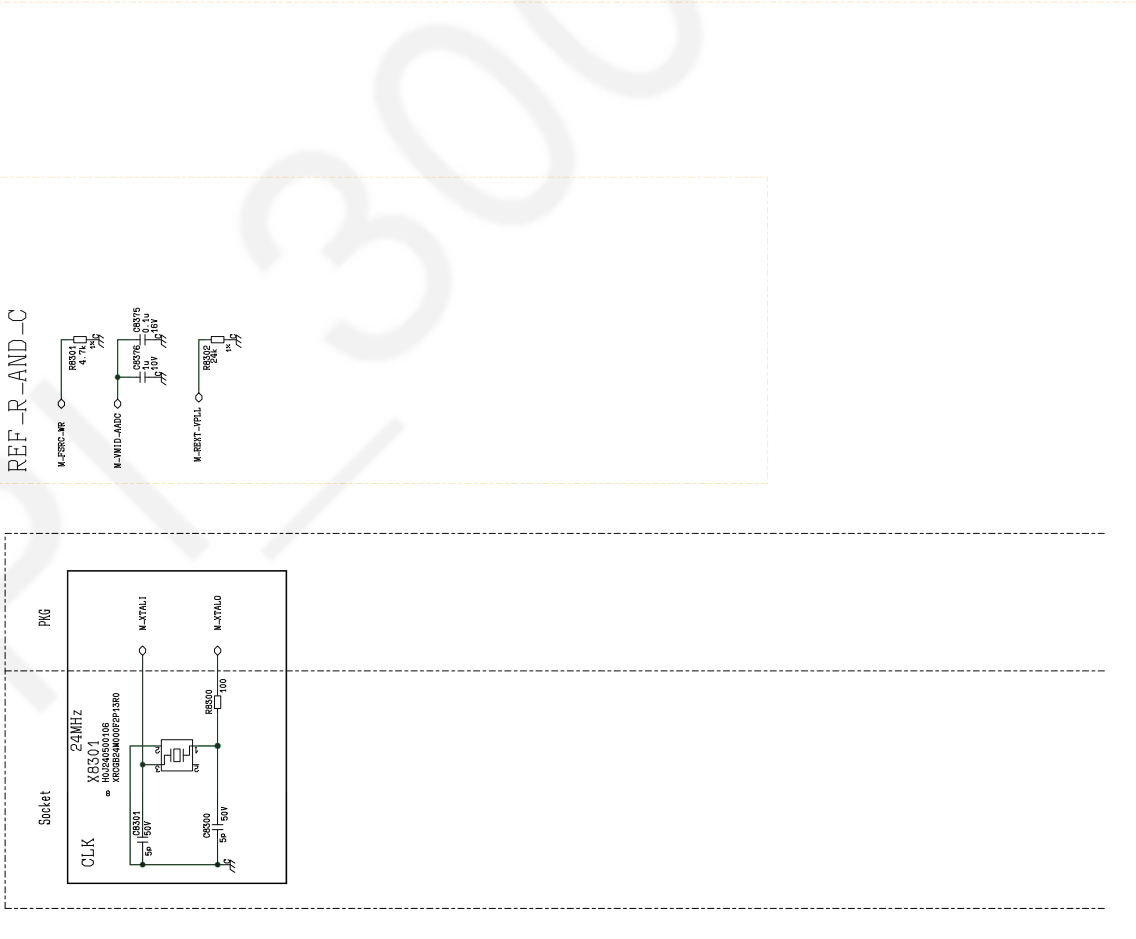
GND

1.5V

GND

1.5V

LOCK/GUPPY



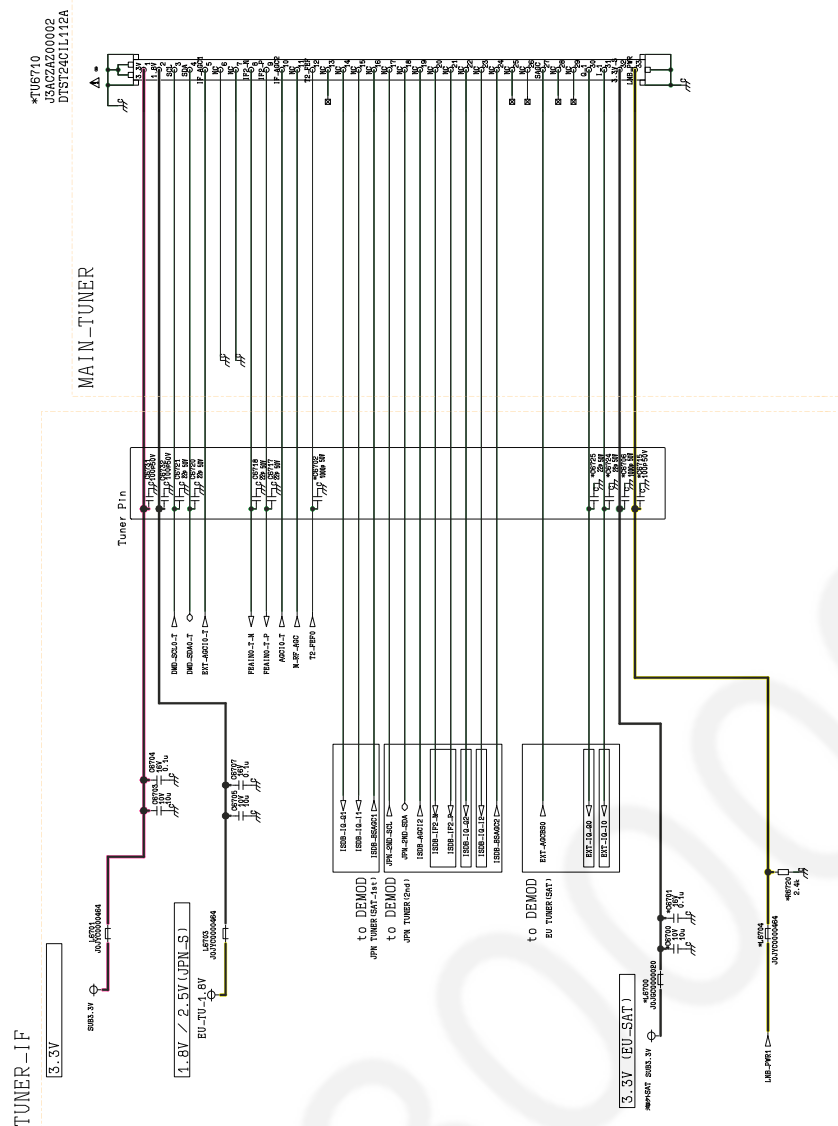
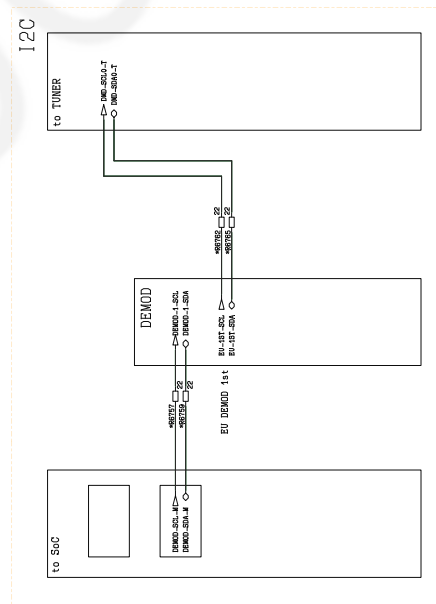
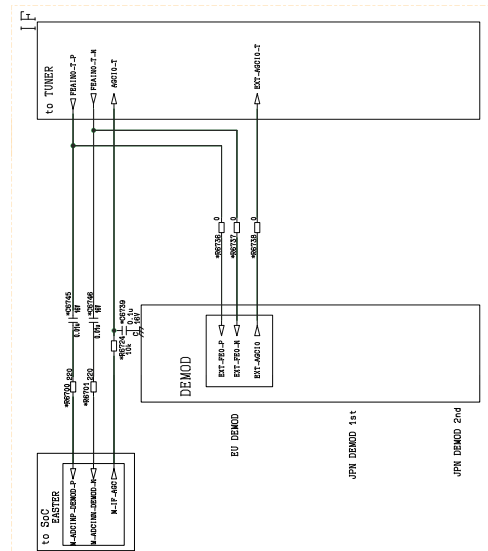
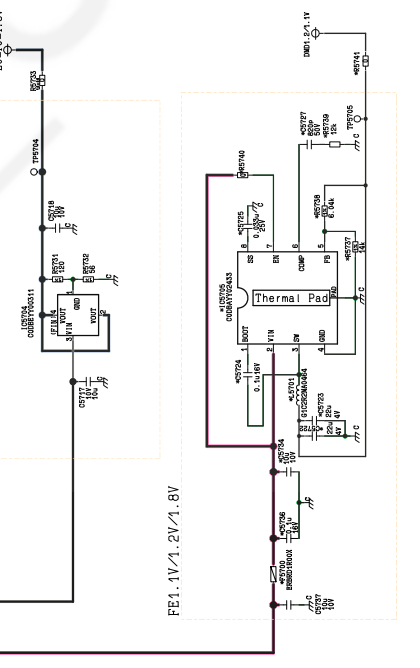
SHEET 704
LOCK-GUPPY-DEST
REF No. 8300 - 8349

POWER-FE

SUB5V SUB3.3V

TU1.8V_{RMS}/CPK

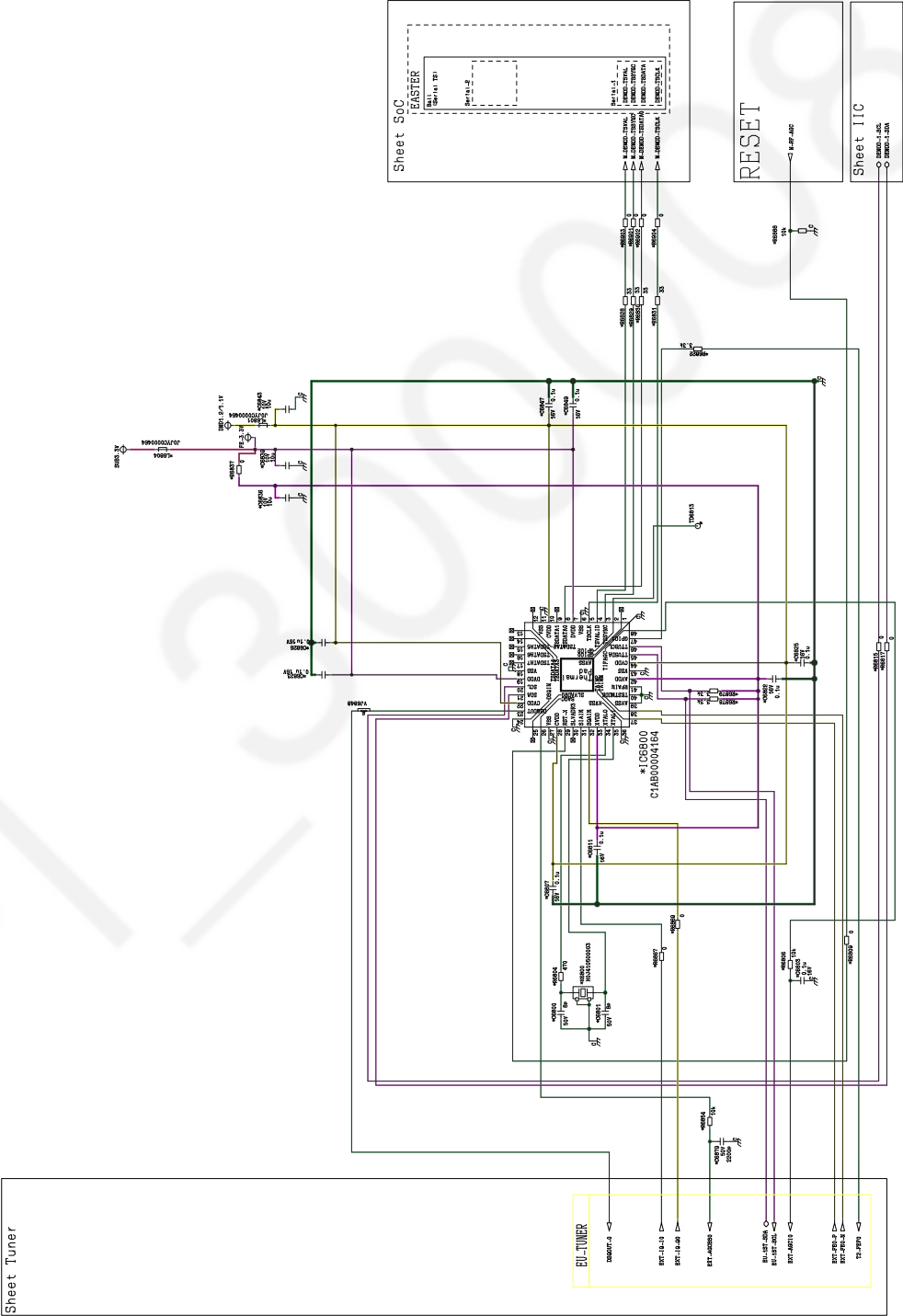
TU1_TU-1_8V



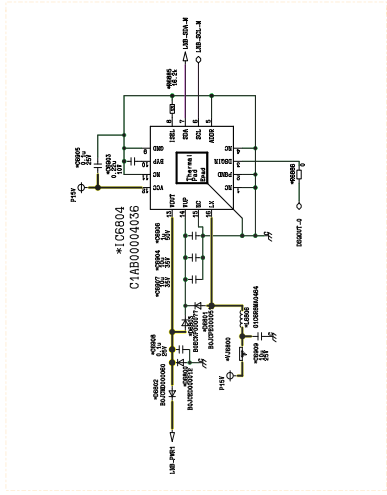
Demod-1 (Main)

ISDB-T/S-DVB-T2/T/C/S/S2-DTMB-JPN-W

Sheet Tuner



LNB-PWR1



SHEET 707

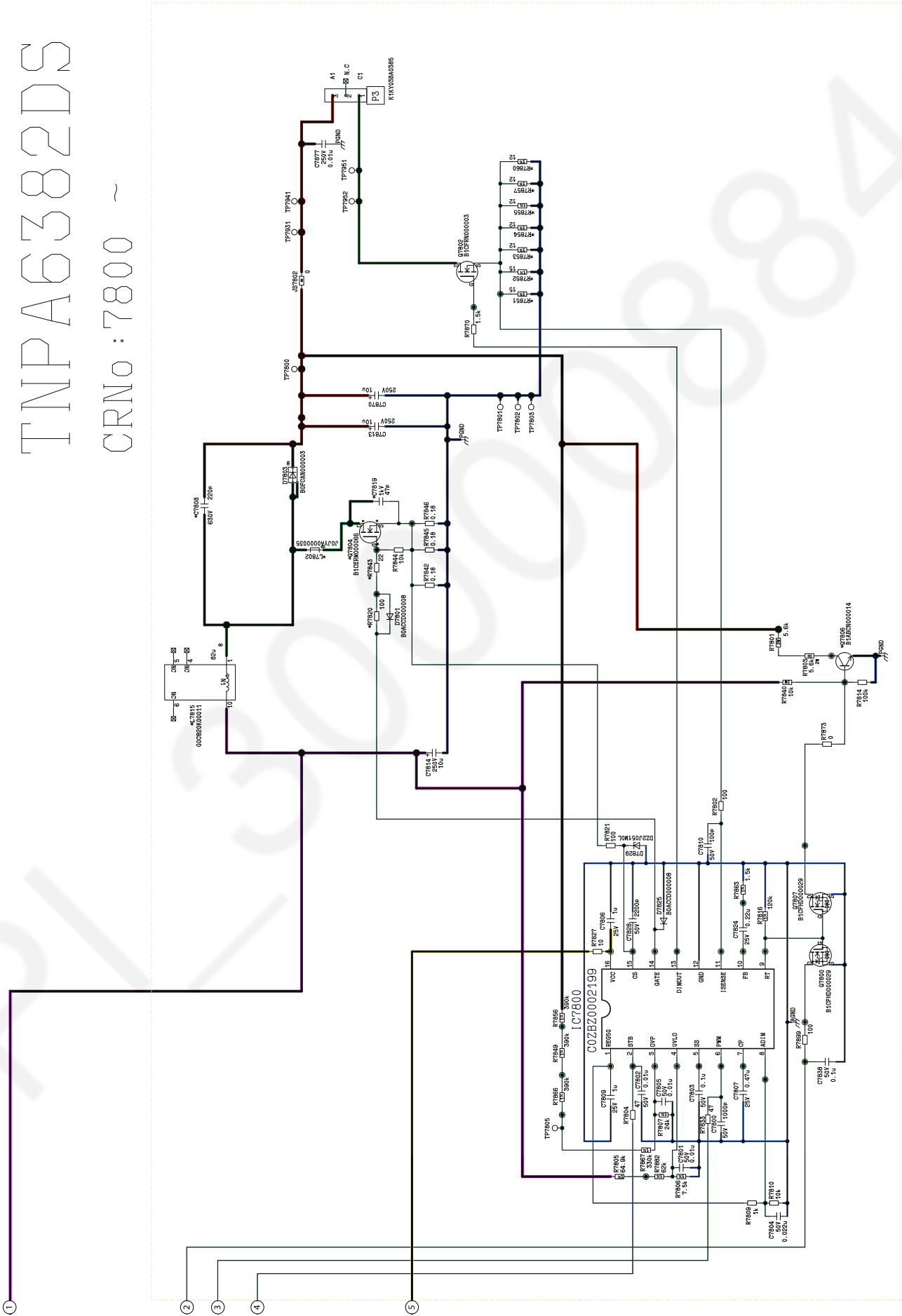
DEMOM

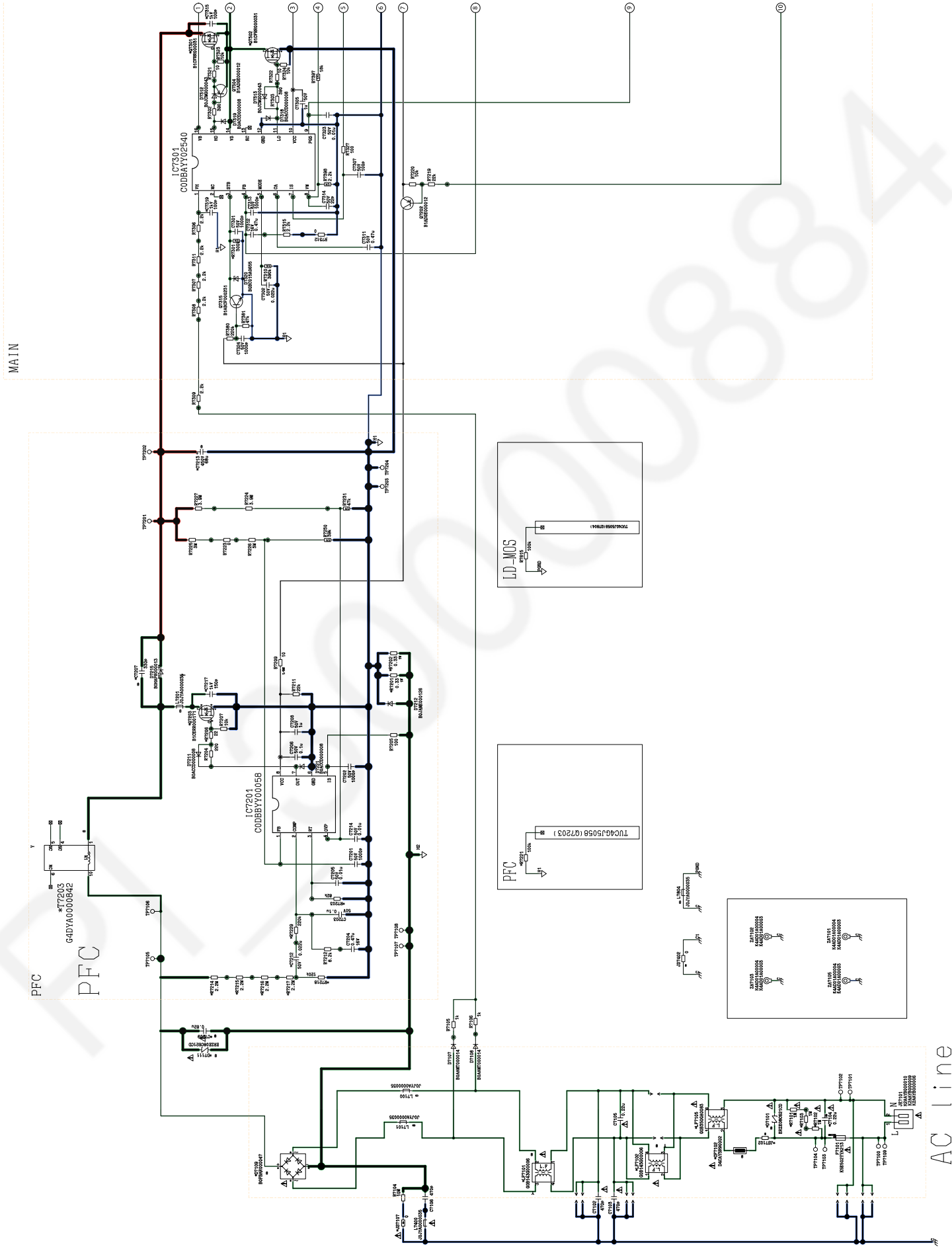
REF No. 6800 - 6949

POWER BOARD

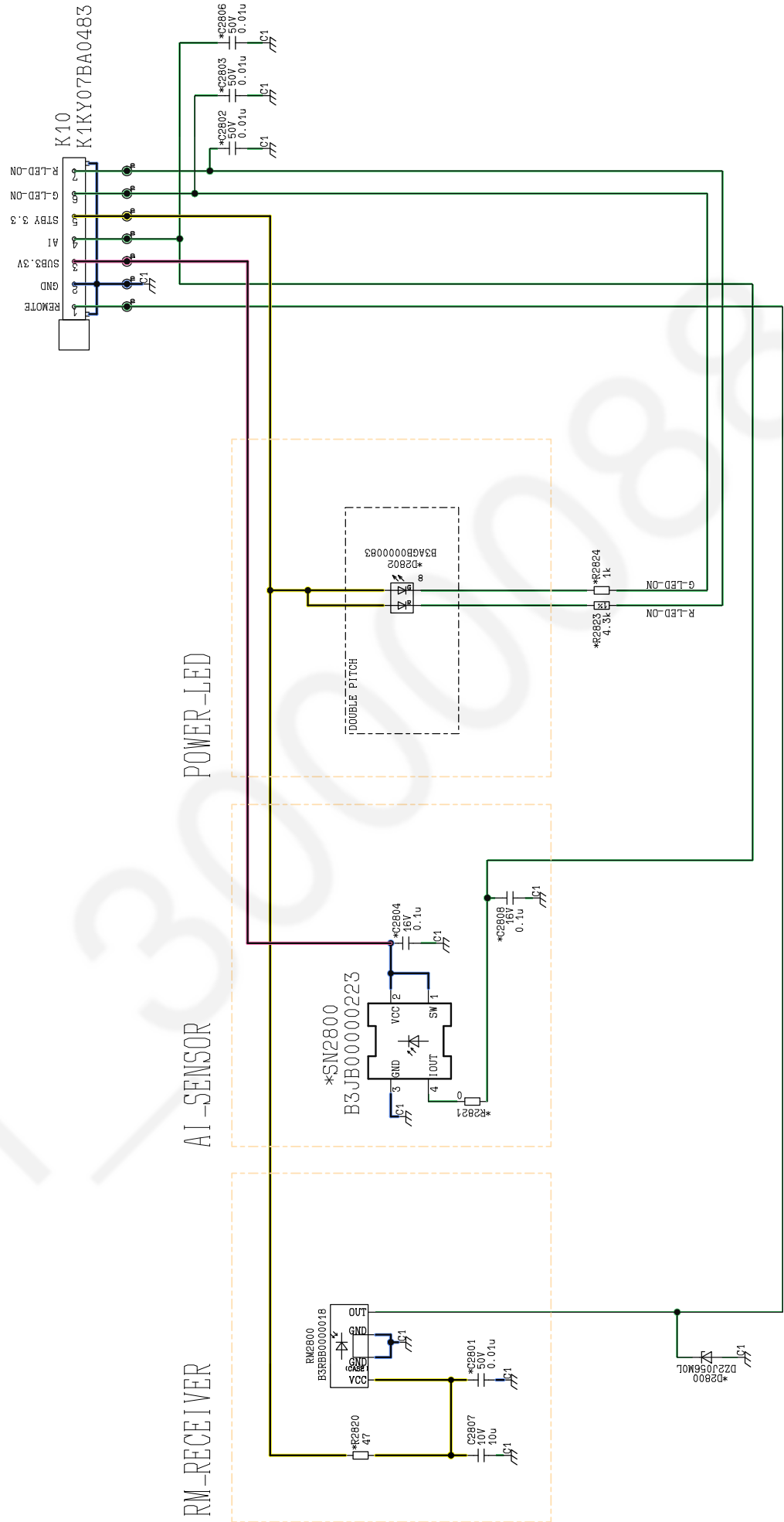
TNPA6382DS

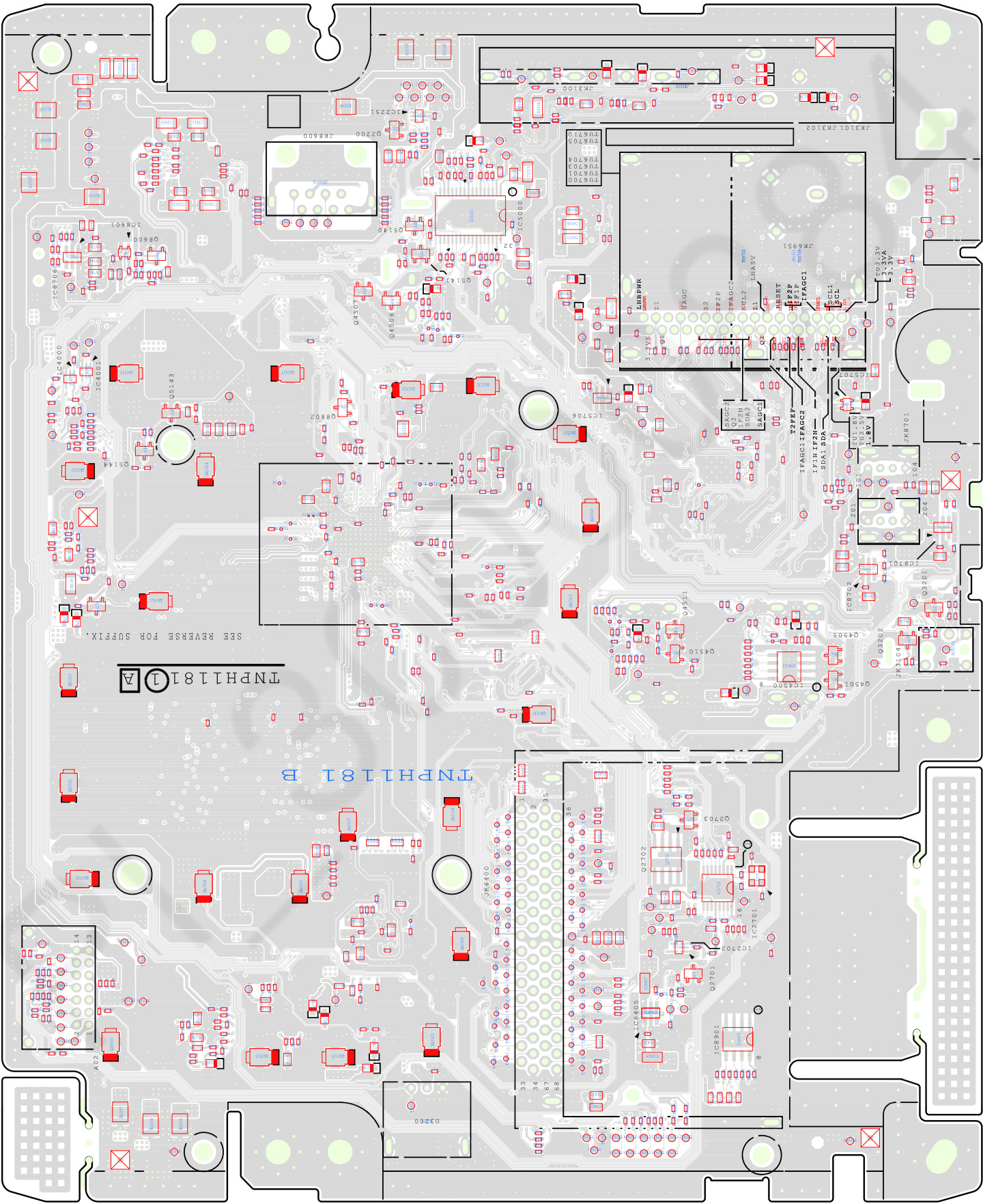
CRNo : 7800 ~

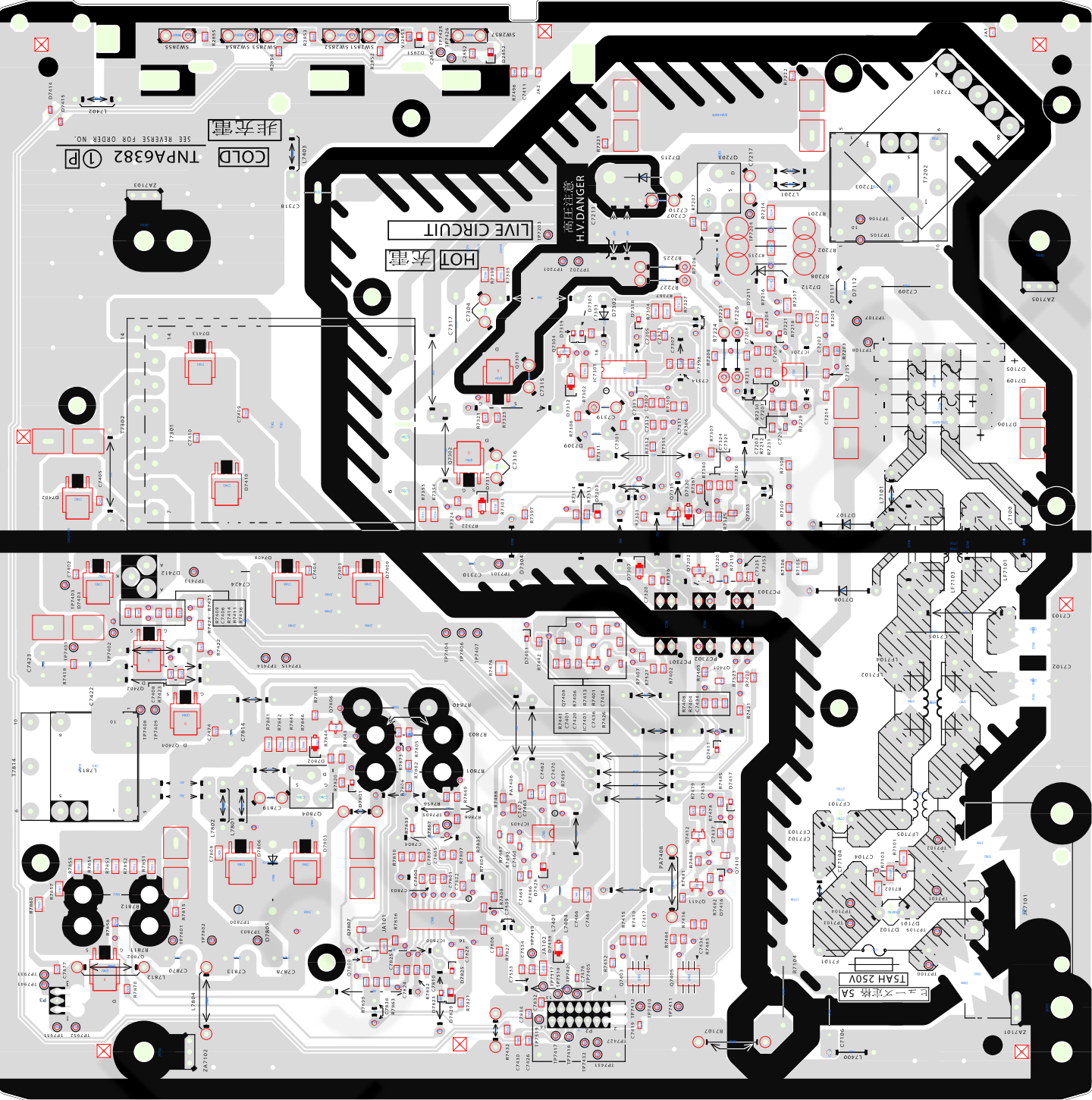


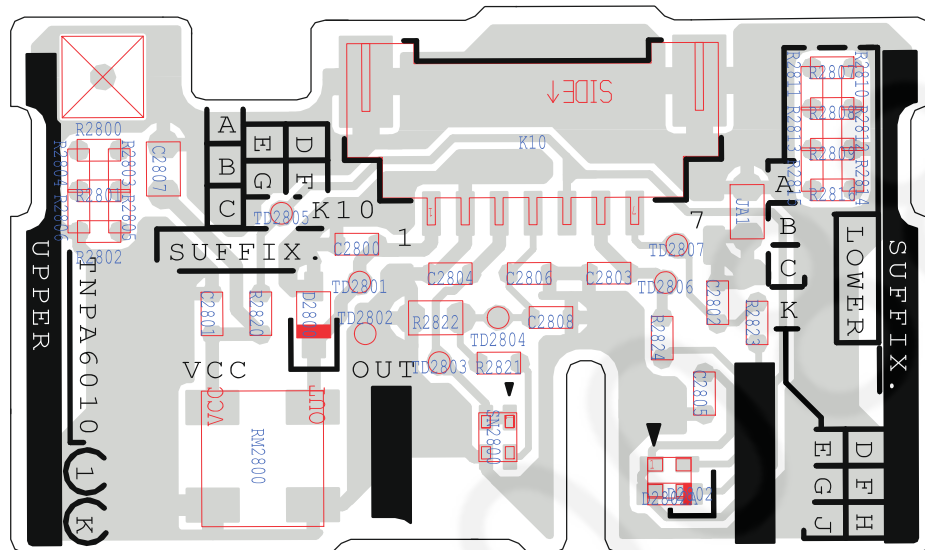


K BOARD
TNP A6010AD
CRNo. : 2800~2829





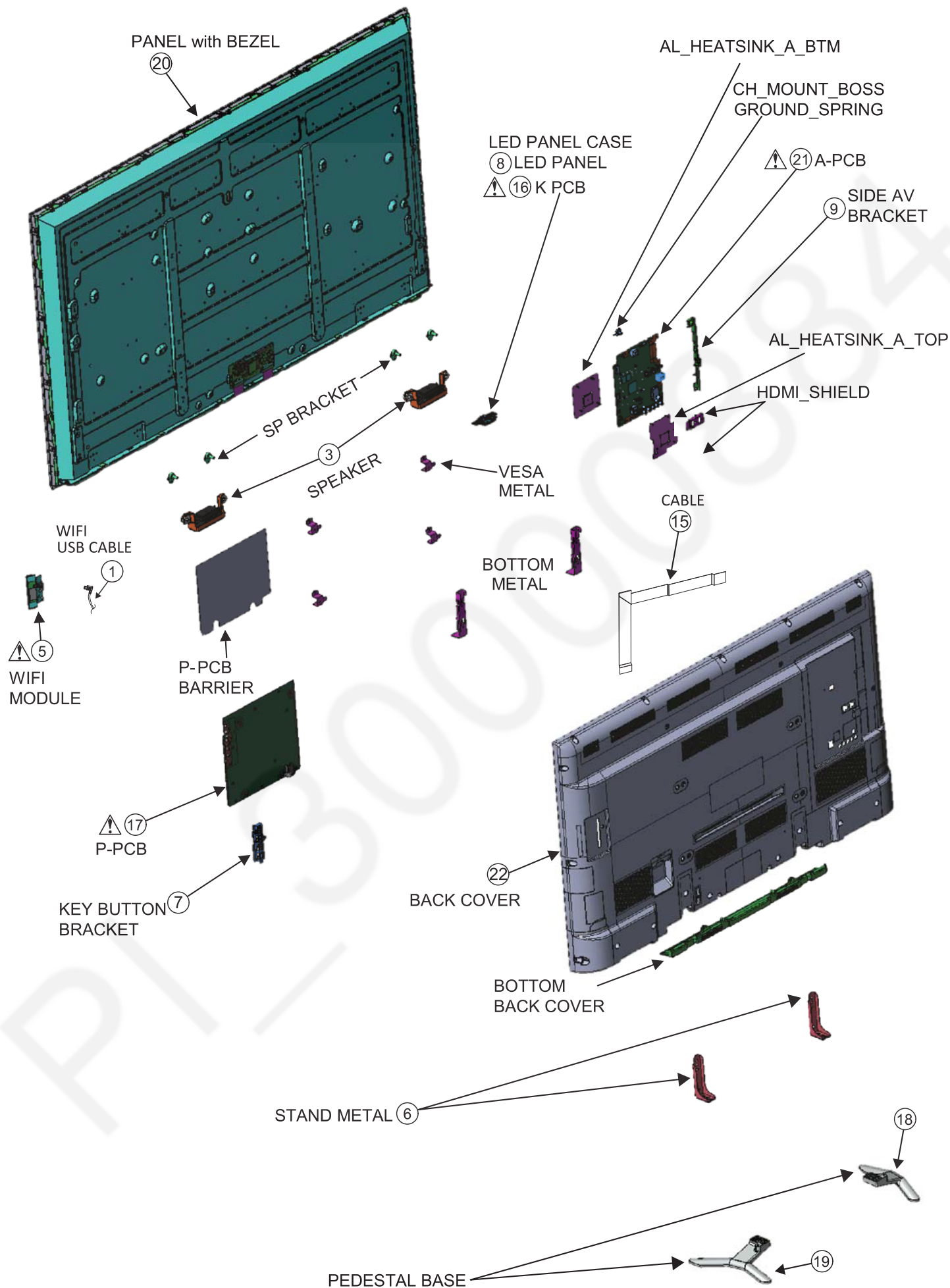




(FOIL SIDE)

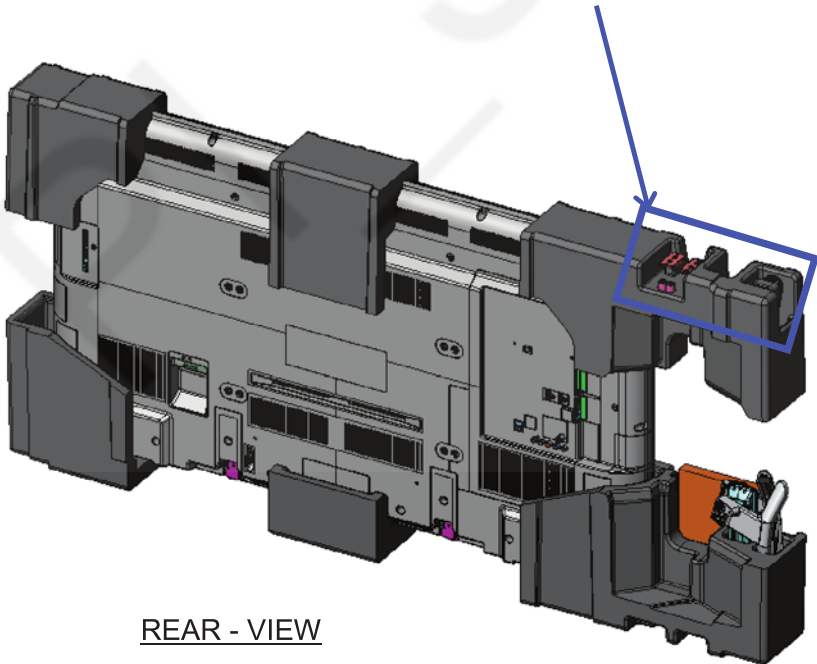
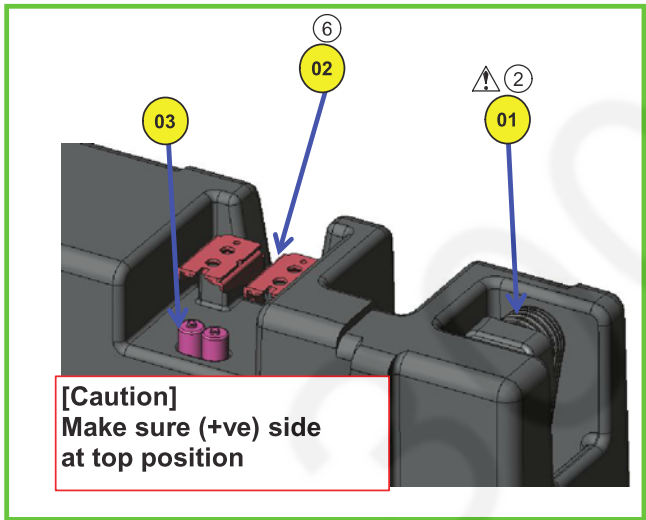
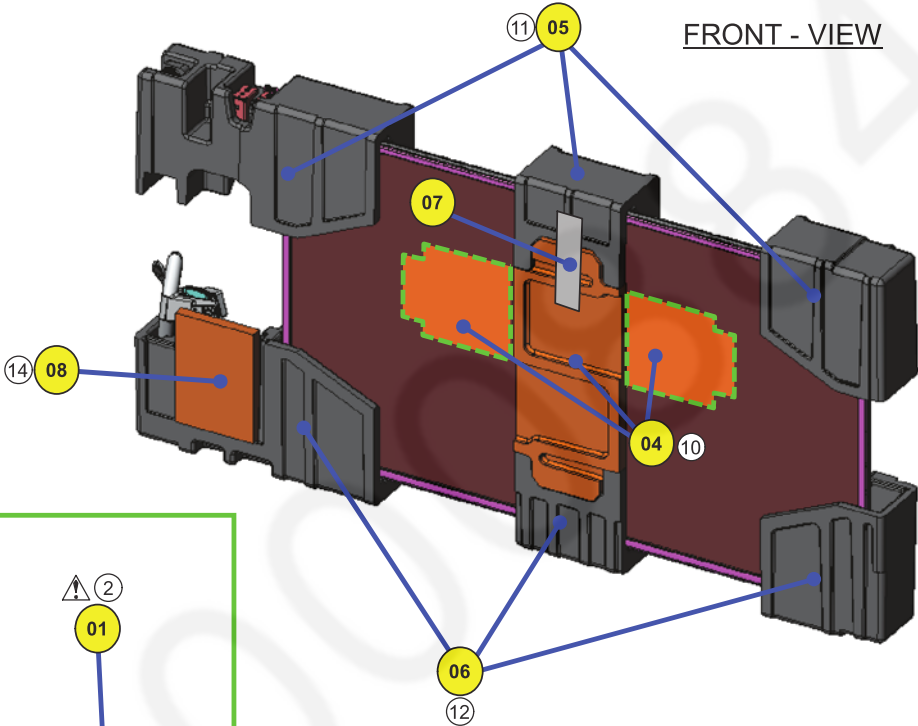
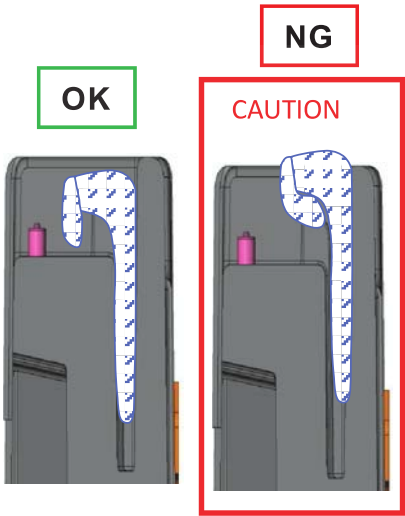


(COMPONENT SIDE)



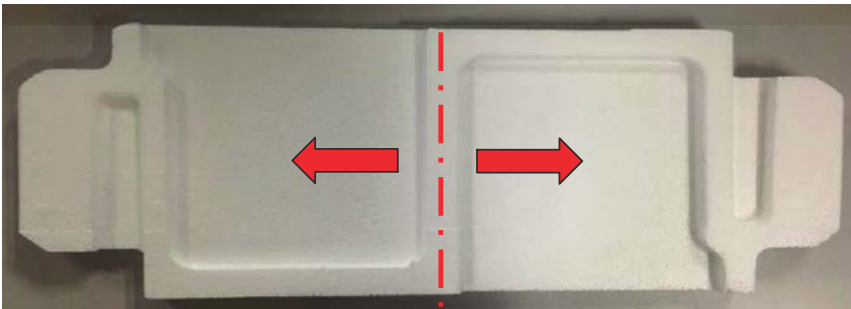
ASSEMBLY CONTENTS :
1. Follow all the sequence and arrangement for place accessories.
2. There are several item need to special arrangement position like fanbag and remote.

No.	Description	Qty	UOM	Remarks
01	AC CORD	1	PC	
02	STAND METAL ASSY	1	PC	
03	BATTERY	1	PC	
04	CUSHION FRONT	1	PC	
05	CUSHION TOP	1	PC	
06	CUSHION BOTTOM	1	MT	
07	PP TAPE	0.1	PC	
08	FAN BAG ASSY	1	PC	



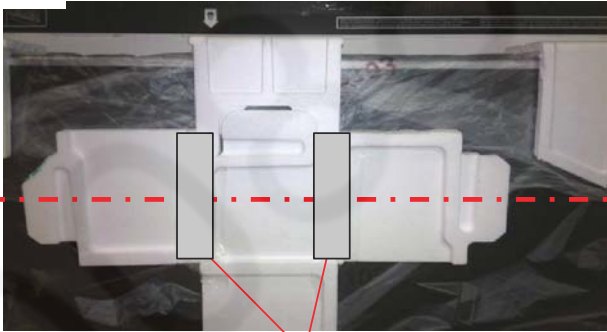
ASSEMBLY CONTENTS :
1. Follow all the sequence and arrangement.

No.	Description	Qty	UOM	Remarks
01	PP TAPE(C_FRN 0.72)	0.72	PC	(0.18 x 4)

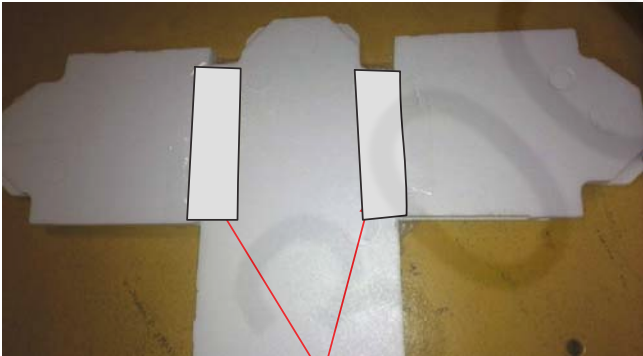


Cut front cushion into half

y-direction :
center with top
square front
cushion



Stick PP tape at the front side of front cushion (180mm*2)



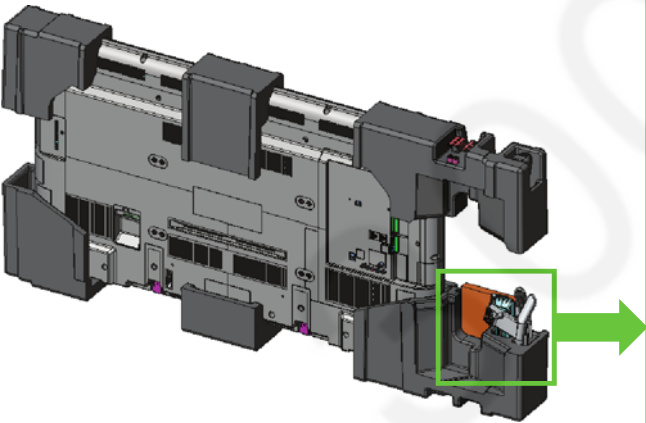
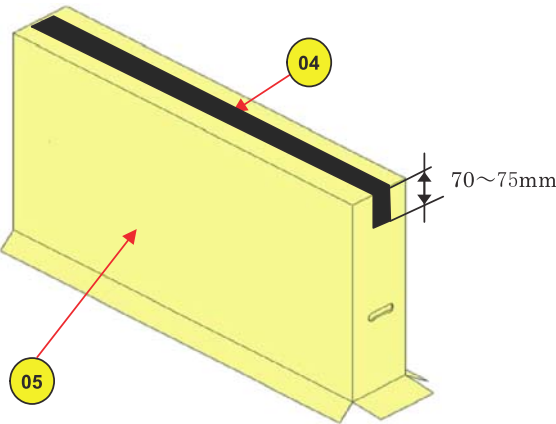
Stick PP tape at the rear side of front cushion (180mm*2)



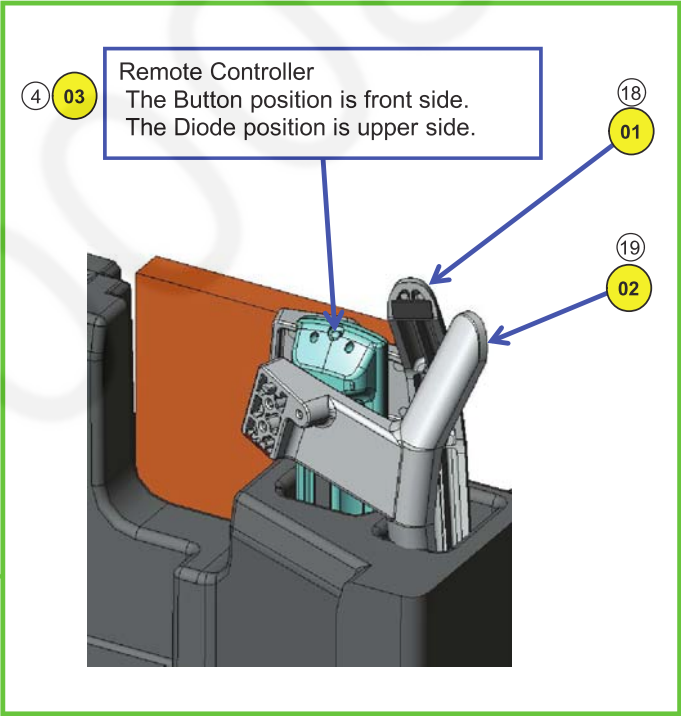
TV set condition

ASSEMBLY CONTENTS :
1. Follow all the sequence and arrangement for placing the TOP, BOTTOM and FRONT CUSHION.

No.	Description	Qty	UOM	Remarks
01	PEDESTAL ASS'Y L	1	PC	
02	PEDESTAL ASS'Y R	1	PC	
03	REMOTE TRANSMITTER	1	PC	
04	PP TAPE(BTM 1.56)	4.11	PC	
05	CARTON	1		



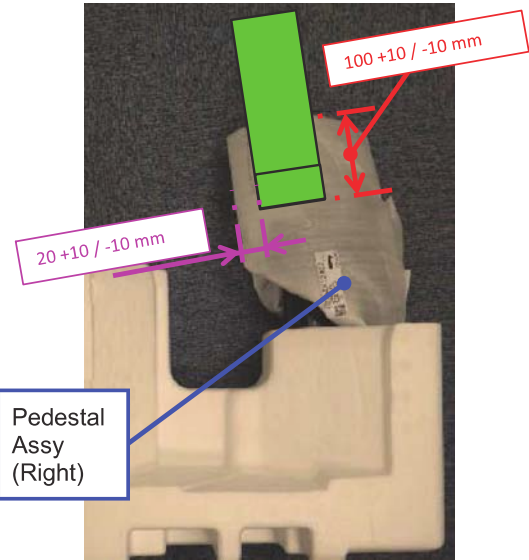
REAR - VIEW



ASSEMBLY CONTENTS :	
1. Stick PP Tape following the specification.	

No.	Description	Qty	UOM	Remarks
01	PP TAPE(BTM 0.27)	0.27	MT	

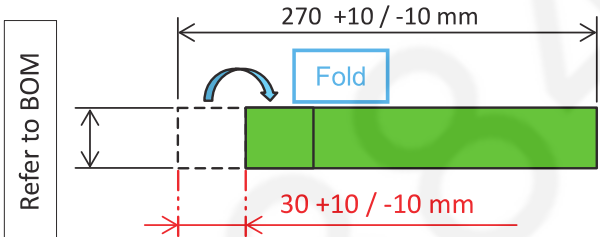
1. Stick the folded side of the PP Tape.



01

PP TAPE

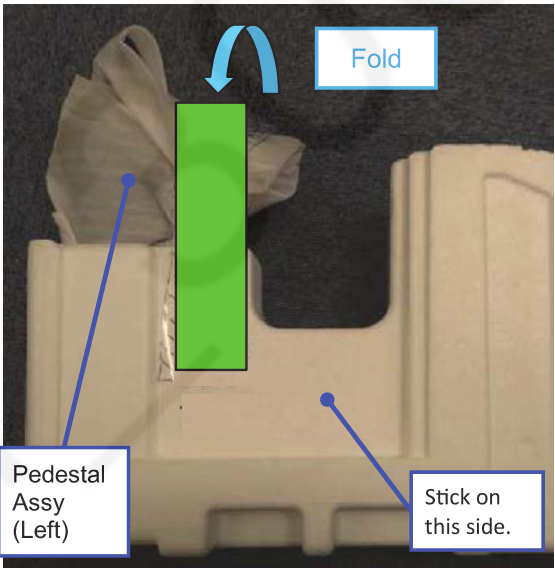
Fold back the adhesive side of PP TAPE.



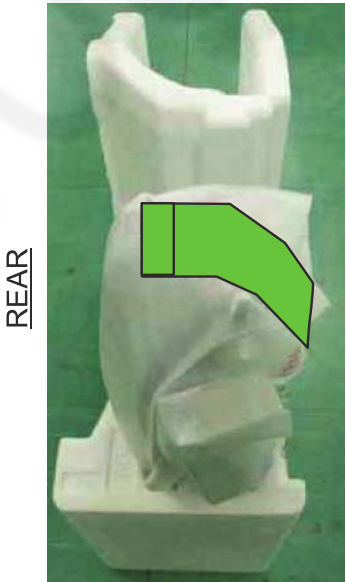
REAR - VIEW



2. Roll on Pedestal Assy (Left) and stick the PP Tape.



FRONT - VIEW



SIDE - VIEW

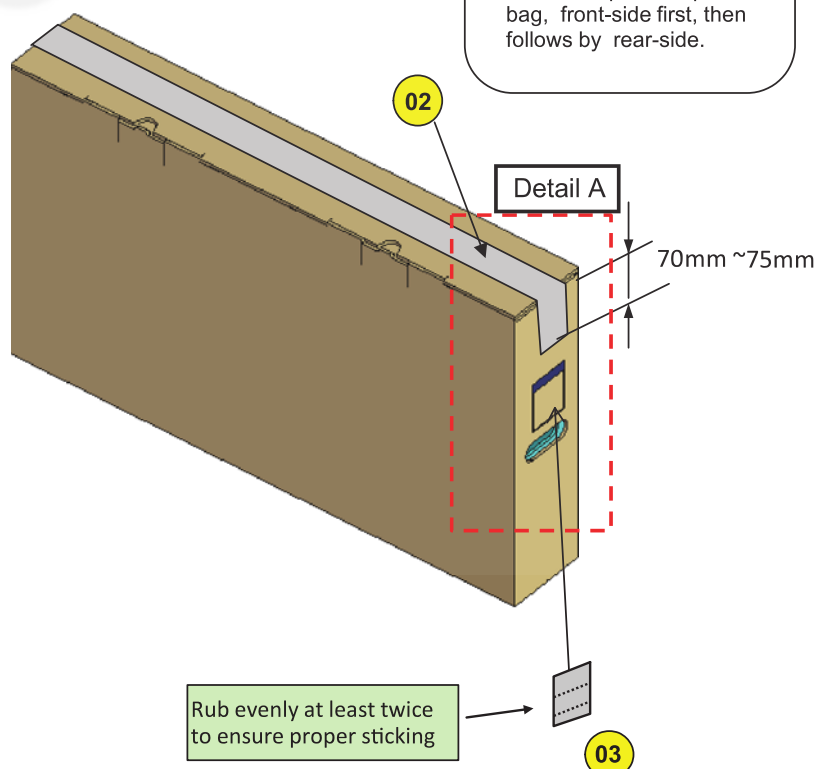
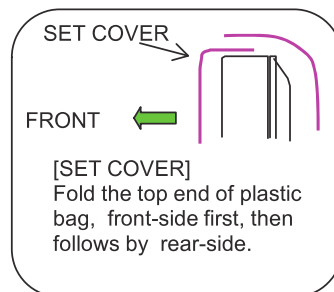
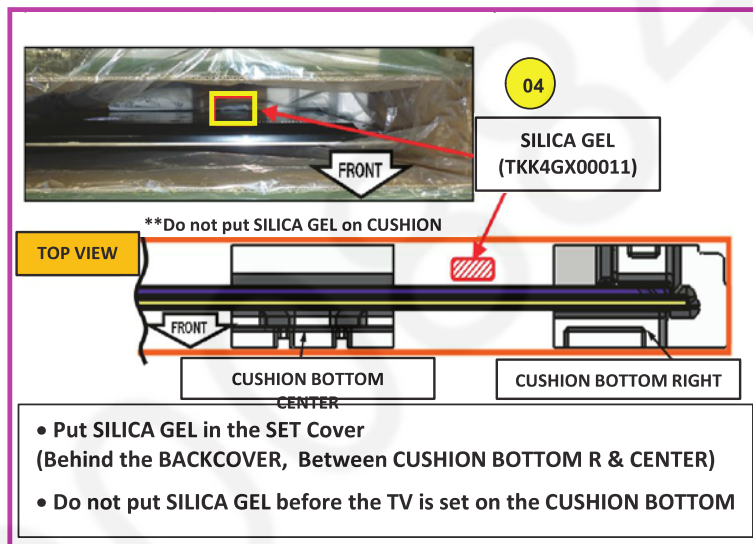
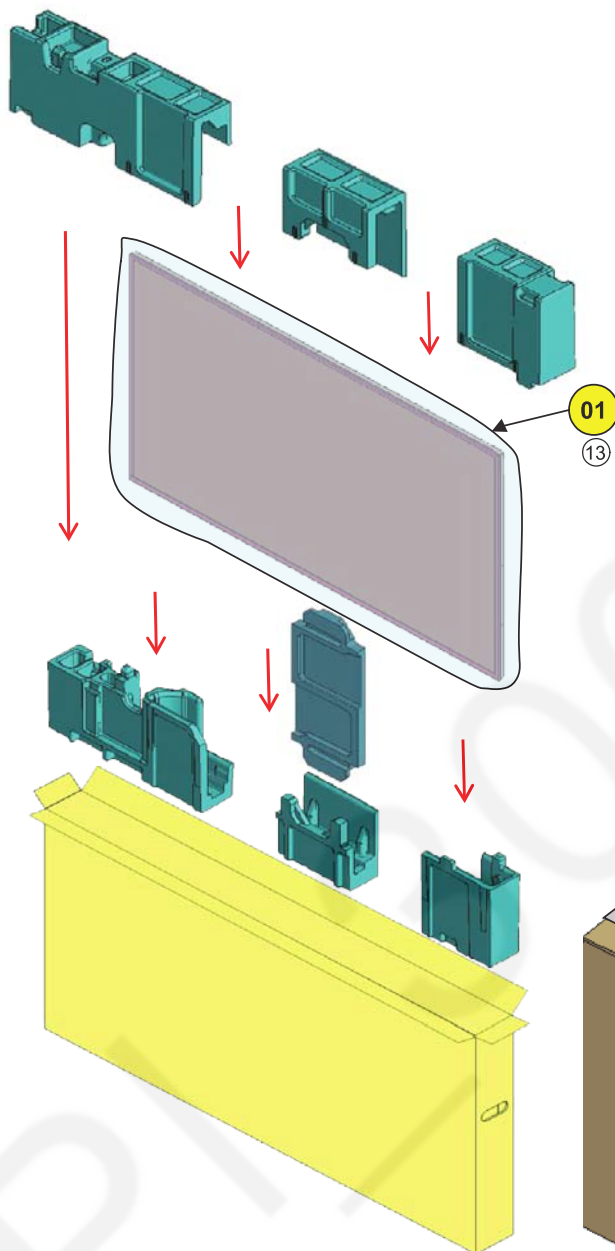
ASSEMBLY CONTENTS :

1. Follow all the sequence and arrangement for placing the TOP, BOTTOM and FRONT CUSHION.

[Caution] Need to make sure packing case top & bottom isn't **overlap** and **bending**



No.	Description	Qty	UOM	Remarks
01	SET BAG	1	PC	
02	PP TAPE(TOP 1.56)	4.11	PC	
03	LABEL COMBINATION	1	PC	
04	SILICA GEL	1	PC	



Model No. : TX-49ESR500 Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		A02	K1KY14BA0484	CONNECTOR		
		A10	K1KY07BA0483	CONNECTOR		
		A12	K1KY04BA0579	CONNECTOR		
		A16	K1MY51BA0526	CONNECTOR		
		C2000	F1G1H102A830	C 1000PF, 50V		
		C2001	F1G1E103A144	C 0.01UF, 25V		
		C2002	F1G1E103A144	C 0.01UF, 25V		
		C2003	F1K1E106A167	C 10UF, 25V		
		C2004	F1G1H102A830	C 1000PF, 50V		
		C2005	F1G1H102A830	C 1000PF, 50V		
		C2006	F1G1C104A146	C 0.1UF, 16V		
		C2007	F1G1H102A830	C 1000PF, 50V		
		C2008	F1G1H102A830	C 1000PF, 50V		
		C2041	F1G1C104A146	C 0.1UF, 16V		
		C2056	F1G1E103A144	C 0.01UF, 25V		
		C2057	F1G1E103A144	C 0.01UF, 25V		
		C2112	F1G1E103A144	C 0.01UF, 25V		
		C2113	F1G1E103A144	C 0.01UF, 25V		
		C2114	F1G1E103A144	C 0.01UF, 25V		
		C2253	F1G1A105A047	C 1UF, 10V		
		C2257	F1G1E103A144	C 0.01UF, 25V		
		C2258	F1G1E103A144	C 0.01UF, 25V		
		C2259	F1G1H101A834	C 100PF, 50V		
		C2262	F1G1E103A144	C 0.01UF, 25V		
		C2801	F1H1H103B047	C 0.01UF, 50V		
		C2802	F1H1H103B047	C 0.01UF, 50V		
		C2803	F1H1H103B047	C 0.01UF, 50V		
		C2804	F1H1C104A178	C 0.1UF, 16V		
		C2806	F1H1H103B047	C 0.01UF, 50V		
		C2807	F1J1A106A043	C 10UF, 10V		
		C2808	F1H1C104A178	C 0.1UF, 16V		
		C2851	F1J1H104A902	C 0.1UF, 50V		
		C2852	F1J1H104A902	C 0.1UF, 50V		
		C3109	F1G1H100A963	C 10PF, 50V		
		C3110	F1G1H100A963	C 10PF, 50V		
		C3111	F1G1H100A963	C 10PF, 50V		
		C3112	F1G1H152A946	C 1500PF, 50V		
		C3113	F1G1C103A173	C 0.01UF, 16V		
		C3114	F1G1C103A173	C 0.01UF, 16V		
		C3115	F1G1C103A173	C 0.01UF, 16V		
		C3116	F1G1C103A173	C 0.01UF, 16V		
		C3117	F1G1A105A047	C 1UF, 10V		
		C3124	F1G1A105A047	C 1UF, 10V		
		C3125	F1G1A105A047	C 1UF, 10V		
		C3127	F1G1A473A079	C 0.047UF, 10V		
		C3128	F1G1H471A834	C 470PF, 50V		
		C3129	F1G1H471A834	C 470PF, 50V		
		C3134	F1G1C104A146	C 0.1UF, 16V		
		C3135	F1G1C104A146	C 0.1UF, 16V		
		C3161	F1G1H101A948	C 100PF, 50V		
		C3162	F1G1H101A948	C 100PF, 50V		
		C3163	F1G1H101A948	C 100PF, 50V		
		C3164	F1G1H101A948	C 100PF, 50V		
		C3166	F1G1H470A948	C 47PF, 50V		
		C3167	F1G1H470A948	C 47PF, 50V		
		C3168	F1G1H470A948	C 47PF, 50V		
		C3200	F1G1C104A146	C 0.1UF, 16V		
		C3201	F1H1A225A051	C 2.2UF, 10V		
		C3202	F1H1A225A051	C 2.2UF, 10V		
		C3203	F1J1A106A043	C 10UF, 10V		
		C3205	F1G1A105A047	C 1UF, 10V		
		C3206	F1G1A105A047	C 1UF, 10V		

Model No. : TX-49ESR500 Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C3800	F1K1E106A167	C 10UF, 25V		
		C3801	F1K1E106A167	C 10UF, 25V		
		C3802	F1K1E106A167	C 10UF, 25V		
		C3805	F1J1E105A287	C 1UF, 25V		
		C3806	F1J1E105A287	C 1UF, 25V		
		C3807	F1J1E105A287	C 1UF, 25V		
		C3808	F1J1E105A287	C 1UF, 25V		
		C3811	F1H1E105A153	C 1UF, 25V		
		C3812	F1J1E224A272	C 0.22UF, 25V		
		C3813	F1H1E104A161	C 0.1UF, 25V		
		C3814	F1H1E104A161	C 0.1UF, 25V		
		C3815	F1J1E224A272	C 0.22UF, 25V		
		C3816	F1H1E104A161	C 0.1UF, 25V		
		C3817	F1H1E104A161	C 0.1UF, 25V		
		C4000	F1G1C104A146	C 0.1UF, 16V		
		C4105	F1G1E103A144	C 0.01UF, 25V		
		C4116	F1G1H101A948	C 100PF, 50V		
		C4500	F1G1A105A047	C 1UF, 10V		
		C4578	F1G1A105A047	C 1UF, 10V		
		C4579	F1G1A105A047	C 1UF, 10V		
		C4599	F1G1H101A948	C 100PF, 50V		
		C5020	F1G1A105A047	C 1UF, 10V		
		C5022	F1G1A105A047	C 1UF, 10V		
		C5024	F1G1A105A047	C 1UF, 10V		
		C5025	F1J1E105A287	C 1UF, 25V		
		C5026	F1G1A105A047	C 1UF, 10V		
		C5029	F1H1A225A051	C 2.2UF, 10V		
		C5030	F1G1A105A047	C 1UF, 10V		
		C5031	F1G1A105A047	C 1UF, 10V		
		C5032	F1H1E105A153	C 1UF, 25V		
		C5035	F1G1H102A830	C 1000PF, 50V		
		C5105	F1G1E103A144	C 0.01UF, 25V		
		C5140	F1G1E103A144	C 0.01UF, 25V		
		C5144	F1H1E105A153	C 1UF, 25V		
		C5202	F1K1E106A167	C 10UF, 25V		
		C5204	F1J0J2260004	C 22UF, 6.3V		
		C5205	F1J0J2260004	C 22UF, 6.3V		
		C5206	F1J0J2260004	C 22UF, 6.3V		
		C5208	F1G1E333A144	C 0.033UF, 25V		
		C5210	F1G1C104A146	C 0.1UF, 16V		
		C5211	F1G1E332A172	C 3300PF, 25V		
		C5221	F1K1E106A167	C 10UF, 25V		
		C5222	F1H1E104A161	C 0.1UF, 25V		
		C5223	F1J1A106A043	C 10UF, 10V		
		C5224	F1J1A106A043	C 10UF, 10V		
		C5228	F1G1H821A946	C 820PF, 50V		
		C5229	F1G1E153A144	C 0.015UF, 25V		
		C5230	F1G1C104A146	C 0.1UF, 16V		
		C5260	F1K1E106A167	C 10UF, 25V		
		C5261	F1K1E106A167	C 10UF, 25V		
		C5263	F1G1E333A144	C 0.033UF, 25V		
		C5264	F1G1E562A086	C 5600 PF, 25V		
		C5266	F1G1C104A146	C 0.1UF, 16V		
		C5270	F1K1E106A167	C 10UF, 25V		
		C5271	F1K1E106A167	C 10UF, 25V		
		C5272	F1K1E106A167	C 10UF, 25V		
		C5273	F1K1E106A167	C 10UF, 25V		
		C5717	F1J1A106A043	C 10UF, 10V		
		C5718	F1J1A106A043	C 10UF, 10V		
		C5722	F1J0G2260001	C 22UF, 4V		
		C5723	F1J0G2260001	C 22UF, 4V		
		C5724	F1G1C104A146	C 0.1UF, 16V		

Model No. : TX-49ESR500 Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C5725	F1G1E333A144	C 0.033UF, 25V		
		C5727	F1G1H821A946	C 820PF, 50V		
		C5734	F1J1A106A043	C 10UF, 10V		
		C5736	F1G1C104A146	C 0.1UF, 16V		
		C5737	F1J1A106A043	C 10UF, 10V		
		C6428	F1G1C104A146	C 0.1UF, 16V		
		C6429	F1G1C104A146	C 0.1UF, 16V		
		C6430	F1J1A106A043	C 10UF, 10V		
		C6432	F1J1A106A043	C 10UF, 10V		
		C6435	F1J0J2260004	C 22UF, 6.3V		
		C6437	F1J0J2260004	C 22UF, 6.3V		
		C6438	F1G1C104A146	C 0.1UF, 16V		
		C6700	F1J1A106A043	C 10UF, 10V		
		C6701	F1G1C104A146	C 0.1UF, 16V		
		C6702	F1G1H102A948	C 1000PF, 50V		
		C6703	F1J1A106A043	C 10UF, 10V		
		C6704	F1G1C104A146	C 0.1UF, 16V		
		C6705	F1J1A106A043	C 10UF, 10V		
		C6706	F1G1H102A948	C 1000PF, 50V		
		C6707	F1G1C104A146	C 0.1UF, 16V		
		C6715	F1G1H101A948	C 100PF, 50V		
		C6717	F1G1H220A834	C 22PF, 50V		
		C6718	F1G1H220A834	C 22PF, 50V		
		C6720	F1G1H220A834	C 22PF, 50V		
		C6721	F1G1H220A834	C 22PF, 50V		
		C6724	F1G1H220A834	C 22PF, 50V		
		C6725	F1G1H220A834	C 22PF, 50V		
		C6731	F1G1H101A948	C 100PF, 50V		
		C6732	F1G1H101A948	C 100PF, 50V		
		C6739	F1G1C104A146	C 0.1UF, 16V		
		C6745	F1G1C103A173	C 0.01UF, 16V		
		C6746	F1G1C103A173	C 0.01UF, 16V		
		C6800	F1G1H8R0A963	C 8PF, 50V		
		C6801	F1G1H8R0A963	C 8PF, 50V		
		C6803	F1G1C104A146	C 0.1UF, 16V		
		C6807	F1G1C104A146	C 0.1UF, 16V		
		C6811	F1G1C104A146	C 0.1UF, 16V		
		C6822	F1G1C104A146	C 0.1UF, 16V		
		C6823	F1G1C104A146	C 0.1UF, 16V		
		C6825	F1G1C104A146	C 0.1UF, 16V		
		C6826	F1G1C104A146	C 0.1UF, 16V		
		C6836	F1J1A106A043	C 10UF, 10V		
		C6839	F1J1A106A043	C 10UF, 10V		
		C6843	F1J1A106A043	C 10UF, 10V		
		C6847	F1G1C104A146	C 0.1UF, 16V		
		C6849	F1G1C104A146	C 0.1UF, 16V		
		C6879	F1G1H222A946	C 2200PF, 50V		
		C6903	F1G1A224A069	C 220000PF, 10V		
		C6904	F1K1V106A010	C 10UF, 35V		
		C6905	F1H1E104A161	C 0.1UF, 25V		
		C6906	F1J1H105A919	C 1UF, 50V		
		C6907	F1K1V106A010	C 10UF, 35V		
		C6908	F1H1E104A161	C 0.1UF, 25V		
		C6909	F1K1E106A167	C 10UF, 25V		
	⚠	C7102	F1AAF471A019	C 470PF, 240V		
	⚠	C7103	F1AAF471A019	C 470PF, 240V		
	⚠	C7104	F0CAF224A218	C 0.22UF, 250V		
	⚠	C7105	F0CAF224A218	C 0.22UF, 250V		
	⚠	C7106	F1AAF471A019	C 470PF, 240V		
		C7201	F1J1H102A909	C 1000PF, 50V		
		C7202	F1J1H102A909	C 1000PF, 50V		
		C7203	F1J1H104A902	C 0.1UF, 50V		

Model No. : TX-49ESR500 Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C7204	F1H1C474A178	C 0.47UF, 16V		
		C7205	F1J1H103A900	C 0.01UF, 50V		
		C7206	F1J1H104A902	C 0.1UF, 50V		
		C7207	F1A3A331A078	C 330PF, 1KV		
		C7208	F1J1H105A918	C 1UF, 50V		
		C7209	ECWFD2W824KC	C 0.82UF 450V		
		C7212	F1J1H223A900	C 0.022UF, 50V		
		C7213	F2A2W6800013	C 68UF, 450V		
		C7214	F1J1H103A900	C 0.01UF, 50V		
		C7217	F1A3A151A078	C 150PF, 1KV		
		C7301	F1J1H102A909	C 1000PF, 50V		
		C7302	F1J1H223A900	C 0.022UF, 50V		
		C7303	F1J1H105A919	C 1UF, 50V		
		C7304	F1A3A221A079	C 220PF, 1KV		
		C7305	F1J1H105A918	C 1UF, 50V		
		C7307	F1J1H101A906	C 100PF, 50V		
		C7310	F2A1E471C224	C 470PF, 25V		
		C7311	F1J1H474A918	C 0.47UF, 50V		
		C7312	F1J1C474A238	C 0.47UF, 16V		
		C7313	F1J1H102A909	C 1000PF, 50V		
		C7314	F1J1H220A906	C 22PF, 50V		
		C7315	F1A3A101A078	C 100PF, 1KV		
		C7317	ECWH8273HAC	C 27000PF, 800V		
		C7319	F1A3A101A079	C 100PF, 1KV		
		C7323	F1J1H103A900	C 0.01UF, 50V		
		C7324	F1J1H102A909	C 1000PF, 50V		
		C7325	F1J1H103A900	C 0.01UF, 50V		
		C7406	F1J1E105A287	C 1UF, 25V		
		C7417	F1J1H474A918	C 0.47UF, 50V		
		C7418	F1J1H104A902	C 0.1UF, 50V		
		C7419	F1H1H104B047	C 0.1UF, 50V		
		C7422	F2AZZ6800005	C 68UF, 240V		
		C7423	F2AZZ6800005	C 68UF, 240V		
		C7424	F2AZZ2220001	C 2200UF, 240V		
		C7430	F1J1H102A909	C 1000PF, 50V		
		C7434	F1J1H103A900	C 0.01UF, 50V		
		C7435	F1J1E105A287	C 1UF, 25V		
		C7436	F1H1H104B047	C 0.1UF, 50V		
		C7437	F1J1E105A287	C 1UF, 25V		
		C7460	F1H1H222B047	C 2200PF, 50V		
		C7462	F1K1E106A167	C 10UF, 25V		
		C7463	F1J1H104A902	C 0.1UF, 50V		
		C7465	F1K1A226A060	C 22UF, 10V		
		C7466	F1K1A226A060	C 22UF, 10V		
		C7470	F1J1H104A902	C 0.1UF, 50V		
		C7472	F1J1H103A900	C 0.01UF, 50V		
		C7478	F1H1H104B047	C 0.1UF, 50V		
		C7533	F1J1H102A909	C 1000PF, 50V		
		C7534	F1J1H104A902	C 0.1UF, 50V		
		C7800	F1J1H102A909	C 1000PF, 50V		
		C7801	F1J1H103A900	C 0.01UF, 50V		
		C7802	F1J1H103A900	C 0.01UF, 50V		
		C7803	F1J1H104A902	C 0.1UF, 50V		
		C7804	F1J1H223A900	C 0.022UF, 50V		
		C7805	F1J1H103A900	C 0.01UF, 50V		
		C7806	F1J1E105A287	C 1UF, 25V		
		C7807	F1J1E474A272	C 0.47UF, 25V		
		C7808	F1K2J2210003	C 220 PF, 630V		
		C7809	F1J1E105A287	C 1UF, 25V		
		C7810	F1J1H101A906	C 100PF, 50V		
		C7813	F2A2E1000034	C 10UF, 250V		
		C7814	F2A2E1000034	C 10UF, 250V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C7819	F1A3A470A078	C 47PF, 1KV		
		C7824	F1J1E224A272	C 0.22UF, 25V		
		C7828	F1J1H222A900	C 2200PF, 50V		
		C7832	F1J1H101A906	C 100PF, 50V		
		C7834	F1J1H104A902	C 0.1UF, 50V		
		C7838	F1J1H104A902	C 0.1UF, 50V		
		C7870	F2A2E1000034	C 10UF, 250V		
		C7877	F1J2E1030004	C 0.01UF, 250V		
		C8000	F1J1A106A043	C 10UF, 10V		
		C8001	F1J1A106A043	C 10UF, 10V		
		C8002	F1J1A106A043	C 10UF, 10V		
		C8004	F1G1C104A146	C 0.1UF, 16V		
		C8005	F1G1C104A146	C 0.1UF, 16V		
		C8006	F1G1C104A146	C 0.1UF, 16V		
		C8007	F1G1C104A146	C 0.1UF, 16V		
		C8008	F1G1C104A146	C 0.1UF, 16V		
		C8009	F1J1A106A043	C 10UF, 10V		
		C8010	F1G1C104A146	C 0.1UF, 16V		
		C8011	F1J0G2260001	C 22UF, 4V		
		C8012	F1H0J4750004	C 4.7UF, 6.3V		
		C8014	F1G1C104A146	C 0.1UF, 16V		
		C8015	F1G1C104A146	C 0.1UF, 16V		
		C8016	F1J1A106A043	C 10UF, 10V		
		C8017	F1G1C104A146	C 0.1UF, 16V		
		C8021	F1G1A105A047	C 1UF, 10V		
		C8022	F1G1C104A146	C 0.1UF, 16V		
		C8023	F1G1C104A146	C 0.1UF, 16V		
		C8024	F1G1C103A146	C 0.01UF, 16V		
		C8025	F1G1C104A146	C 0.1UF, 16V		
		C8026	F1G1C104A146	C 0.1UF, 16V		
		C8027	F1G1C104A146	C 0.1UF, 16V		
		C8030	F1G1C104A146	C 0.1UF, 16V		
		C8031	F1G1C104A146	C 0.1UF, 16V		
		C8032	F1G1C104A146	C 0.1UF, 16V		
		C8035	F1G1A105A047	C 1UF, 10V		
		C8037	F1G1C104A146	C 0.1UF, 16V		
		C8039	F1J0G2260001	C 22UF, 4V		
		C8040	F1J0G2260001	C 22UF, 4V		
		C8041	F1G1C104A146	C 0.1UF, 16V		
		C8042	F1G1C104A146	C 0.1UF, 16V		
		C8043	F1G1C104A146	C 0.1UF, 16V		
		C8044	F1G1C104A146	C 0.1UF, 16V		
		C8046	F1H0J4750004	C 4.7UF, 6.3V		
		C8047	F1H0J4750004	C 4.7UF, 6.3V		
		C8049	F1H0J4750004	C 4.7UF, 6.3V		
		C8050	F1G1A105A047	C 1UF, 10V		
		C8051	F1G1C104A146	C 0.1UF, 16V		
		C8054	F1G1C104A146	C 0.1UF, 16V		
		C8059	F1G1A105A047	C 1UF, 10V		
		C8062	F1J0G2260001	C 22UF, 4V		
		C8072	F1G1C104A146	C 0.1UF, 16V		
		C8073	F1G1C104A146	C 0.1UF, 16V		
		C8074	F1G1C104A146	C 0.1UF, 16V		
		C8075	F1G1C104A146	C 0.1UF, 16V		
		C8076	F1J1A106A043	C 10UF, 10V		
		C8077	F1J0G2260001	C 22UF, 4V		
		C8078	F1J0G2260001	C 22UF, 4V		
		C8079	F1G1C104A146	C 0.1UF, 16V		
		C8080	F1G1C104A146	C 0.1UF, 16V		
		C8081	F1G1C104A146	C 0.1UF, 16V		
		C8082	F1G1C104A146	C 0.1UF, 16V		
		C8083	F1G1C104A146	C 0.1UF, 16V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8084	F1G1C104A146	C 0.1UF, 16V		
		C8085	F1J0G2260001	C 22UF, 4V		
		C8086	F1H0J4750004	C 4.7UF, 6.3V		
		C8087	F1G1C104A146	C 0.1UF, 16V		
		C8088	F1G1C104A146	C 0.1UF, 16V		
		C8089	F1G1C104A146	C 0.1UF, 16V		
		C8090	F1G1C104A146	C 0.1UF, 16V		
		C8100	F1G1A105A047	C 1UF, 10V		
		C8101	F1G1E103A144	C 0.01UF, 25V		
		C8102	F1G1C104A146	C 0.1UF, 16V		
		C8103	F1J0G2260001	C 22UF, 4V		
		C8104	F1J0G2260001	C 22UF, 4V		
		C8107	F1K1V106A010	C 10UF, 35V		
		C8108	F1K1V106A010	C 10UF, 35V		
		C8128	F1K1E106A167	C 10UF, 25V		
		C8130	F1G1C104A146	C 0.1UF, 16V		
		C8132	F1J0G2260001	C 22UF, 4V		
		C8133	F1J0G2260001	C 22UF, 4V		
		C8138	F1G1C104A146	C 0.1UF, 16V		
		C8200	F1G1C104A146	C 0.1UF, 16V		
		C8201	F1G1C104A146	C 0.1UF, 16V		
		C8202	F1G1C104A146	C 0.1UF, 16V		
		C8203	F1G1C104A146	C 0.1UF, 16V		
		C8204	F1G1C104A146	C 0.1UF, 16V		
		C8205	F1G1C104A146	C 0.1UF, 16V		
		C8206	F1G1C104A146	C 0.1UF, 16V		
		C8207	F1G1C104A146	C 0.1UF, 16V		
		C8208	F1G1C104A146	C 0.1UF, 16V		
		C8210	F1J0G2260001	C 22UF, 4V		
		C8211	F1G1A105A047	C 1UF, 10V		
		C8212	F1G1C104A146	C 0.1UF, 16V		
		C8213	F1G1C104A146	C 0.1UF, 16V		
		C8214	F1G1A105A047	C 1UF, 10V		
		C8215	F1G1C104A146	C 0.1UF, 16V		
		C8216	F1G1C104A146	C 0.1UF, 16V		
		C8217	F1G1C104A146	C 0.1UF, 16V		
		C8218	F1G1A105A047	C 1UF, 10V		
		C8219	F1G1C104A146	C 0.1UF, 16V		
		C8220	F1G1C104A146	C 0.1UF, 16V		
		C8224	F1J0G2260001	C 22UF, 4V		
		C8225	F1J1A106A043	C 10UF, 10V		
		C8226	F1H0J4750004	C 4.7UF, 6.3V		
		C8227	F1G1A105A047	C 1UF, 10V		
		C8228	F1G1C104A146	C 0.1UF, 16V		
		C8229	F1G1C104A146	C 0.1UF, 16V		
		C8230	F1G1C104A146	C 0.1UF, 16V		
		C8231	F1G1C104A146	C 0.1UF, 16V		
		C8232	F1G1C104A146	C 0.1UF, 16V		
		C8233	F1G1C104A146	C 0.1UF, 16V		
		C8234	F1G1C104A146	C 0.1UF, 16V		
		C8300	F1G1H5R0A947	C 5PF, 50V		
		C8301	F1G1H5R0A947	C 5PF, 50V		
		C8375	F1G1C104A146	C 0.1UF, 16V		
		C8376	F1G1A105A047	C 1UF, 10V		
		C8601	F1G1C103A173	C 0.01UF, 16V		
		C8604	F1G1C103A173	C 0.01UF, 16V		
		C8610	F1G1A105A047	C 1UF, 10V		
		C8611	F1G1A105A047	C 1UF, 10V		
		C8701	F1J1A106A043	C 10UF, 10V		
		C8702	F1G1C104A146	C 0.1UF, 16V		
		C8703	F1J1A106A043	C 10UF, 10V		
		C8704	F1J1A106A043	C 10UF, 10V		

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		C8705	F1G1C104A146	C 0.1UF, 16V		
		C8706	F1J1A106A043	C 10UF, 10V		
		C8707	F1G1C104A146	C 0.1UF, 16V		
		C8708	F1J1A106A043	C 10UF, 10V		
		C8709	F1J1A106A043	C 10UF, 10V		
		C8710	F1G1C104A146	C 0.1UF, 16V		
		C8739	F1J1A106A043	C 10UF, 10V		
		C8740	F1G1C104A146	C 0.1UF, 16V		
		C8742	F1J1A106A043	C 10UF, 10V		
		C8744	F1J1A106A043	C 10UF, 10V		
		C8745	F1G1C104A146	C 0.1UF, 16V		
		C8760	F1G1C104A146	C 0.1UF, 16V		
		C8761	F1G1C104A146	C 0.1UF, 16V		
		C8910	F1H1C105A167	C 1UF, 16V		
		C8911	F1G1C104A146	C 0.1UF, 16V		
		C8912	F1J1A106A043	C 10UF, 10V		
		C8913	F1G1C104A146	C 0.1UF, 16V		
		C8914	F1J1A106A043	C 10UF, 10V		
		C8920	F1G1C104A146	C 0.1UF, 16V		
	⚠	CF7102	D4CAY3R90002	THERMISTOR		
		CN0100	K1KA14A00248	CONNECTOR		
		D2800	DZ2J056M0L	DIODE		
		D2802	B3AGB0000083	LED		
		D2851	DZ2J068M0L	DIODE		
		D3108	DZ2J140M0L	DIODE		
		D3109	DZ2J140M0L	DIODE		
		D3110	DZ2J140M0L	DIODE		
		D3111	DZ2J140M0L	DIODE		
		D3112	DZ2J140M0L	DIODE		
		D3113	DZ2J140M0L	DIODE		
		D3200	K7AAAY000018	OPTICAL DIODE		
		D4518	B0ACRC000001	DIODE		
		D5027	DZ2J033M0L	DIODE		
		D5140	B0ADCK000001	DIODE		
		D5170	DA2J10100L	DIODE		
		D5171	DZ2J180M0L	DIODE		
		D5172	DA2J10100L	DIODE		
		D5173	DZ2J062M0L	DIODE		
		D5174	B0ADCK000001	DIODE		
		D5175	DZ2J043M0L	DIODE		
		D5176	DA2J10100L	DIODE		
		D6800	B0JCED000012	DIODE		
		D6801	B0JCPE000051	DIODE		
		D6802	B0JCMD000060	DIODE		
		D6803	B0ECKP000077	DIODE		
	⚠	D7101	ERZE08C621CD	SURGE ABSORBER		
		D7107	B0AAMT000014	DIODE		
		D7108	B0AAMT000014	DIODE		
		D7109	B0FBAR000047	DIODE		
	⚠	D7111	ERZE08C621CD	SURGE ABSORBER		
		D7211	B0ACCD000008	DIODE		
		D7212	B0JAME000126	DIODE		
		D7215	B0HAPR000013	DIODE		
		D7221	B0ACCD000008	DIODE		
		D7302	B0HAKR000004	DIODE		
		D7304	B0HAGQ000001	DIODE		
		D7305	B0ACCD000008	DIODE		
		D7307	B0BC015A0655	DIODE		
		D7312	B0JCMG000043	DIODE		
		D7313	B0JCMG000043	DIODE		
		D7318	B0ACCD000008	DIODE		
		D7319	B0ACCD000008	DIODE		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		D7320	B0BC015A0655	DIODE		
		D7402	B0FCAN000003	DIODE		
		D7403	B0FCAN000003	DIODE		
		D7408	B0JDSL000013	DIODE		
		D7409	B0JDSL000013	DIODE		
		D7410	B0JDSL000013	DIODE		
		D7411	B0ACCD000008	DIODE		
		D7413	B0JDSL000013	DIODE		
		D7416	B0ACCD000008	DIODE		
		D7417	B0ACCD000008	DIODE		
		D7428	B0JCPE000051	DIODE		
		D7438	B0BC6R8A0654	DIODE		
		D7801	B0ACCD000008	DIODE		
		D7803	B0FCAN000003	DIODE		
		D7825	B0ACCD000008	DIODE		
		D7829	DZ2J051M0L	DIODE		
		D8100	B0ACRC000001	DIODE		
		D8101	B0ACRC000001	DIODE		
		D8102	B0ADCK000001	DIODE		
		D8103	B0JCGD000016	DIODE		
		F2000	ERBRD4R00X	FUSE		
		F5220	ERBRD4R00X	FUSE		
		F5700	ERBRD1R00X	FUSE		
	⚠	F7101	K5E502YYA213	FUSE		
		FL4002	EXC28CE121U	CHIP CHOKE COIL		
		FL4003	EXC28CE121U	CHIP CHOKE COIL		
		FL4004	EXC28CE121U	CHIP CHOKE COIL		
		FL4005	EXC28CE121U	CHIP CHOKE COIL		
		FL4006	EXC28CE121U	CHIP CHOKE COIL		
		IC3201	C1AB00003391	IC		
		IC3800	C1AB00003984	IC		
		IC4506	C0DBEYY00226	IC		
		IC5000	AN34043AAVF	IC		
		IC5011	C0DBAYY02430	IC		
		IC5220	C0DBAYY02433	IC		
		IC5260	C0DBAYY02430	IC		
		IC5704	C0DBEYY00311	IC		
		IC5705	C0DBAYY02433	IC		
		IC6405A	C0DBZYY00723	IC		
		IC6800	C1AB00004164	IC		
		IC6804	C1AB00004036	IC		
		IC7201	C0DBBYY00058	IC		
		IC7301	C0DBAYY02540	IC		
		IC7401	C0DBZYY00531	IC		
		IC7405	B1LBZ0000070	IC		
		IC7800	C0ZBZ0002199	IC		
		IC8000	C1AB00004486	IC		
		IC8100	C0DBAYY02434	IC		
		IC8101	C0DBAYY02531	IC		
		IC8200	C3ABVY000074	IC		
		IC8201	C3ABVY000074	IC		
		IC8601	C0DBGYY00887	IC		
		IC8701	C0DBZYY00723	IC		
		IC8702	C0DBZYY00723	IC		
		IC8706	C0DBZYY00723	IC		
		IC8920	TVRU147AJ	ROM VERSION ASSY		
		JA101	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA102	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JK3102	K1U511D00013	AV TERMINAL		
		JK3104A	K2HC1YYB0095	AV TERMINAL		
		JK4701	K1FY119D0028	HDMI TERMINAL		
		JK4703	K1FY119D0028	HDMI TERMINAL		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		JK6400	K1NA68B00064	AV TERMINAL		
	⚠	JK7101	K2AAYB000010	AC INLET		
		JK8600A	K2LC1YYA0019	TERMINAL		
		JK8701	K1FY208B0016	TERMINAL		
		JK8705	K1FY105E0017	CONNECTOR		
		K10	K1KY07BA0483	CONNECTOR		
		L2200	J0JYC0000464	BEAD CORE		
		L3105	J0JYC0000156	INDUCTOR		
		L3106	J0JYC0000156	INDUCTOR		
		L3800	G1C220MA0533	INDUCTOR		
		L3801	G1C220MA0533	INDUCTOR		
		L3802	G1C220MA0533	INDUCTOR		
		L3803	G1C220MA0533	INDUCTOR		
		L5200	G1C100MA0533	COIL		
		L5220	G1C6R8MA0464	INDUCTOR		
		L5260	G1C150MA0445	INDUCTOR		
		L5701	G1C2R2MA0464	INDUCTOR		
		L6700	J0JGC0000020	CHIP BEADS		
		L6701	J0JYC0000464	BEAD CORE		
		L6703	J0JYC0000464	BEAD CORE		
		L6704	J0JYC0000464	BEAD CORE		
		L6801	J0JYC0000464	BEAD CORE		
		L6804	J0JYC0000464	BEAD CORE		
		L6806	G1C6R8MA0464	INDUCTOR		
		L7100	J0JYA0000035	BEAD CORE		
		L7101	J0JYA0000035	BEAD CORE		
		L7201	J0JYA0000035	BEAD CORE		
		L7400	J0JYA0000035	BEAD CORE		
		L7401	G0C6R8MA0094	CHOKE COIL		
		L7802	J0JYA0000035	BEAD CORE		
		L7804	J0JYA0000035	BEAD CORE		
		L7815	G0C820K00011	COIL		
		L8100	G1C2R2ZA0476	INDUCTOR		
		L8104	G1C2R2ZA0476	INDUCTOR		
		L8701	J0JYC0000464	BEAD CORE		
		L8702	J0JYC0000464	BEAD CORE		
		L8706	J0JYC0000464	BEAD CORE		
		L8900	J0JYC0000464	BEAD CORE		
		LF7101	G0B143G00006	LINE FILTER		
		LF7102	G0B143G00006	LINE FILTER		
	⚠	LF7105	G0B350GA0083	LINE FILTER		
		P2	K1KY14BA0491	CONNECTOR		
		P3	K1KY03BA0385	CONNECTOR		
		PA7406	ERBRE1R00V	FUSE		
	⚠	PC7301	B3PAA0000704	PHOTO COUPLERS		
	⚠	PC7302	B3PAA0000704	PHOTO COUPLERS		
	⚠	PC7303	B3PAA0000707	PHOTO COUPLER		
		Q2200	B1ABCF000231	TRANSISTOR		
		Q2201	B1ABCF000231	TRANSISTOR		
		Q4501	B1ABCF000231	TRANSISTOR		
		Q4505	B1ABCF000231	TRANSISTOR		
		Q4510	B1ABCF000231	TRANSISTOR		
		Q4511	B1ABCF000231	TRANSISTOR		
		Q5140	B1ABCE000015	TRANSISTOR		
		Q5141	B1ABCE000015	TRANSISTOR		
		Q5143	B1ABCF000231	TRANSISTOR		
		Q5144	B1ABCF000231	TRANSISTOR		
		Q7202	B1ADGE000012	TRANSISTOR		
		Q7203	B1CERR000171	TRANSISTOR		
		Q7301	B1CFRR000031	TRANSISTOR		
		Q7302	B1CFRR000031	TRANSISTOR		
		Q7304	B1ADGE000012	TRANSISTOR		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		Q7315	B1ABCF000231	TRANSISTOR		
		Q7401	B1CFHD000029	TRANSISTOR		
		Q7402	B1CHRL000025	TRANSISTOR		
		Q7403	B1CHRE000035	TRANSISTOR		
		Q7410	B1CFHD000029	TRANSISTOR		
		Q7411	B1ADCE000022	TRANSISTOR		
		Q7412	B1ABCN000014	TRANSISTOR		
		Q7800	B1CFHD000029	TRANSISTOR		
		Q7802	B1CFRN000003	TRANSISTOR		
		Q7804	B1CERM000066	TRANSISTOR		
		Q7806	B1ABCN000014	TRANSISTOR		
		Q7807	B1CFHD000029	TRANSISTOR		
		R0072	D0GAR00JA039	M 0 OHM, 1/16W		
		R0096	D0GAR00JA039	M 0 OHM, 1/16W		
		R0901	D0GA473JA039	M 47K OHM, J, 1/16W		
		R0904	D0GA220JA039	M 22 OHM, J, 1/16W		
		R0905	D0GA220JA039	M 22 OHM, J, 1/16W		
		R0912	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0913	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0916	D0GB332JA065	M 3.3K OHM, J, 1/10W		
		R0917	D0GB332JA065	M 3.3K OHM, J, 1/10W		
		R0924	D0GA360JA039	M 36 OHM, J, 1/16W		
		R0926	D0GA360JA039	M 36 OHM, J, 1/16W		
		R0927	D0GA360JA039	M 36 OHM, J, 1/16W		
		R0932	D0GA360JA039	M 36 OHM, J, 1/16W		
		R0933	D0GA360JA039	M 36 OHM, J, 1/16W		
		R0955	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0956	D0GA473JA039	M 47K OHM, J, 1/16W		
		R0961	D0GA360JA039	M 36 OHM, J, 1/16W		
		R0962	D0GA360JA039	M 36 OHM, J, 1/16W		
		R2001	D0GA102JA039	M 1K OHM, J, 1/16W		
		R2004	D0GA102JA039	M 1K OHM, J, 1/16W		
		R2009	D0GA680JA039	M 68 OHM, J, 1/16W		
		R2010	D0GAR00JA039	M 0 OHM, 1/16W		
		R2035	D0GA223JA039	M 22K OHM, J, 1/16W		
		R2036	D1BA7151A023	M 7.15K OHM, F, 1/16 W		
		R2037	D1BA3092A023	M 30.9K OHM, F, 1/16W		
		R2041	D0GA103JA039	M 10K OHM, J, 1/16W		
		R2043	D0GA101JA039	M 100 OHM, J, 1/16W		
		R2044	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2046	D0GA101JA039	M 100 OHM, J, 1/16W		
		R2252	D0GA153JA039	M 15K OHM, J, 1/16W		
		R2253	D0GA563JA039	M 56K OHM, J, 1/16W		
		R2254	D0GA102JA039	M 1K OHM, J, 1/16W		
		R2260	D0GA103JA039	M 10K OHM, J, 1/16W		
		R2261	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2263	D0GA223JA039	M 22K OHM, J, 1/16W		
		R2264	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2800	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R2810	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R2820	D0GB470JA065	M 47 OHM, J, 1/10W		
		R2821	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R2823	D1BB4301A073	M 4.3K OHM, J, 1/10W		
		R2824	D1BB1001A073	M 1K OHM, J, 1/10W		
		R2852	D1BD1911A066	M 1.91K OHM, F, 1/8W		
		R2853	D1BD3091A066	M 3.09K OHM, F, 1/8W		
		R2854	D1BD6041A066	M 6.04K OHM, F, 1/8W		
		R2855	D1BD1692A066	M 16.9K OHM, F, 1/8W		
		R3101	D0GAR00JA039	M 0 OHM, 1/16W		
		R3162	D0GAR00JA039	M 0 OHM, 1/16W		
		R3163	D0GAR00JA039	M 0 OHM, 1/16W		
		R3164	D0GAR00JA039	M 0 OHM, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R3166	D0GA100JA039	M 10 OHM, J, 1/16W		
		R3167	D1BD75R0A066	M 75 OHM, F, 1/8W		
		R3168	D1BD75R0A066	M 75 OHM, F, 1/8W		
		R3169	D1BD75R0A066	M 75 OHM, F, 1/8W		
		R3170	D1H81014A042	M 100 OHM, J, 1/16W		
		R3171	D0GAR00JA039	M 0 OHM, 1/16W		
		R3178	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3185	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3188	D0GA333JA039	M 33K OHM, J, 1/16W		
		R3189	D0GA333JA039	M 33K OHM, J, 1/16W		
		R3191	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3193	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3194	D0GAR00JA039	M 0 OHM, 1/16W		
		R3196	D0GA101JA039	M 100 OHM, J, 1/16W		
		R3200	D0GA101JA039	M 100 OHM, J, 1/16W		
		R3201	D0GAR00JA039	M 0 OHM, 1/16W		
		R3202	D0GAR00JA039	M 0 OHM, 1/16W		
		R3203	D0GAR00JA039	M 0 OHM, 1/16W		
		R3215	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3231	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3802	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3803	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3804	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3805	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3806	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3807	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3808	D1H86804A042	M 68 OHM, J, 1/16W		
		R3809	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3810	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3811	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3812	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3819	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3827	D0GAR00JA039	M 0 OHM, 1/16W		
		R3830	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R3860	D0GAR00JA039	M 0 OHM, 1/16W		
		R3861	D0GAR00JA039	M 0 OHM, 1/16W		
		R3862	D0GAR00JA039	M 0 OHM, 1/16W		
		R4015	D0GAR00JA039	M 0 OHM, 1/16W		
		R4053	D0GAR00JA039	M 0 OHM, 1/16W		
		R4054	D0GAR00JA039	M 0 OHM, 1/16W		
		R4057	D0GAR00JA039	M 0 OHM, 1/16W		
		R4060	D0GAR00JA039	M 0 OHM, 1/16W		
		R4120	D0GAR00JA039	M 0 OHM, 1/16W		
		R4121	D0GAR00JA039	M 0 OHM, 1/16W		
		R4500	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4501	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4513	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4514	D0GA911JA039	M 910 OHM, J, 1/16W		
		R4517	D0GA750JA039	M 75 OHM, J, 1/16W		
		R4526	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4528	D0GAR00JA039	M 0 OHM, 1/16W		
		R4532	D0GA220JA039	M 22 OHM, J, 1/16W		
		R4533	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4534	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4541	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4542	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4550	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4551	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4553	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4554	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4556	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4557	D0GA473JA039	M 47K OHM, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R4561	D1BA1800A023	M 180 OHM, F, 1/16W		
		R4562	D1BA82R0A023	M 82 OHM, F, 1/16W		
		R4563	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4573	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4575	D0GA911JA039	M 910 OHM, J, 1/16W		
		R4582	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4584	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4585	D0GA911JA039	M 910 OHM, J, 1/16W		
		R4586	D0GA750JA039	M 75 OHM, J, 1/16W		
		R4587	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4617	D1BA4701A023	M 4.7K OHM, F, 1/16W		
		R4618	D1BA1502A023	M 15K OHM, F, 1/16 W		
		R4628	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4629	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4631	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4632	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4633	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5008	D0GA683JA039	M 68K OHM, J, 1/16W		
		R5009	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5015	D0GAR00JA039	M 0 OHM, 1/16W		
		R5016	D0GAR00JA039	M 0 OHM, 1/16W		
		R5017	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5018	D0GAR00JA039	M 0 OHM, 1/16W		
		R5022	D0GA153JA039	M 15K OHM, J, 1/16W		
		R5023	D1BA5602A023	M 56K OHM, F, 1/16W		
		R5036	D1BA2202A023	M 22K OHM, F, 1/16W		
		R5037	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5039	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5040	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5042	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5080	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R5097	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R5098	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5109	D0GAR00JA039	M 0 OHM, 1/16W		
		R5110	D0GA681JA039	M 680 OHM, J, 1/16W		
		R5112	D0GB101JA065	M 100 OHM, J, 1/10W		
		R5141	D0GA154JA039	M 150K OHM, J, 1/16W		
		R5142	D0GA333JA039	M 33K OHM, J, 1/16W		
		R5144	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5146	D0GA102JA039	M 1K OHM, J, 1/16W		
		R5147	D0GA101JA039	M 100 OHM, J, 1/16W		
		R5148	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5150	D0GA102JA039	M 1K OHM, J, 1/16W		
		R5151	D0GAR00JA039	M 0 OHM, 1/16W		
		R5154	D1BA9101A023	M 9.1K OHM, F, 1/16 W		
		R5155	D1BA1242A023	M 12.4K OHM, F, 1/16W		
		R5156	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R5158	D0GA153JA039	M 15K OHM, J, 1/16W		
		R5160	D1BA2702A023	M 27K OHM, F, 1/16W		
		R5161	D1BA1002A023	M 10K OHM, F, 1/16W		
		R5201	D1BA1502A023	M 15K OHM, F, 1/16 W		
		R5202	D1BA4702A023	M 47K OHM, F, 1/16W		
		R5203	D0GAR00JA039	M 0 OHM, 1/16W		
		R5206	D1BA1302A023	M 13K OHM, F, 1/16W		
		R5221	D1BB7870A074	M 787 OHM, D, 1/10 W		
		R5222	D1BB4301A074	M 4.3K OHM, D, 1/10 W		
		R5223	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5224	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5260	D0GAR00JA039	M 0 OHM, 1/16W		
		R5263	D0GA360JA039	M 36 OHM, J, 1/16W		
		R5265	D0GA102JA039	M 1K OHM, J, 1/16W		
		R5267	D0GA473JA039	M 47K OHM, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R5269	D1BA1402A023	M 14K OHM, F, 1/16 W		
		R5270	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R5271	D1BA2002A023	M 20K OHM, F, 1/16W		
		R5273	D0GA220JA039	M 22 OHM, J, 1/16W		
		R5731	D1BA1200A023	M 120 OHM, F, 1/16W		
		R5732	D1BA56R0A023	M 56 OHM, F, 1/16W		
		R5733	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R5737	D1BA1402A023	M 14K OHM, F, 1/16 W		
		R5738	D1BA6041A023	M 6.04K OHM, F, 1/16 W		
		R5739	D0GA123JA039	M 12K OHM, J, 1/16W		
		R5740	D0GAR00JA039	M 0 OHM, 1/16W		
		R5741	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R6410	D1H84704A042	M 47 OHM, J, 1/16W		
		R6411	D1H84704A042	M 47 OHM, J, 1/16W		
		R6412	D0GA473JA039	M 47K OHM, J, 1/16W		
		R6413	D0GA473JA039	M 47K OHM, J, 1/16W		
		R6456	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6457	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6462	D1H84704A042	M 47 OHM, J, 1/16W		
		R6463	D1H84704A042	M 47 OHM, J, 1/16W		
		R6465	D0GA470JA039	M 47 OHM, J, 1/16W		
		R6466	D0GA470JA039	M 47 OHM, J, 1/16W		
		R6467	D0GA470JA039	M 47 OHM, J, 1/16W		
		R6468	D0GA470JA039	M 47 OHM, J, 1/16W		
		R6471	D0GA470JA039	M 47 OHM, J, 1/16W		
		R6475	D1H84704A042	M 47 OHM, J, 1/16W		
		R6476	D1H84704A042	M 47 OHM, J, 1/16W		
		R6477	D1H84704A042	M 47 OHM, J, 1/16W		
		R6478	D1H84704A042	M 47 OHM, J, 1/16W		
		R6479	D1H84704A042	M 47 OHM, J, 1/16W		
		R6480	D0GAR00JA039	M 0 OHM, 1/16W		
		R6481	D1H84704A042	M 47 OHM, J, 1/16W		
		R6482	D1H84704A042	M 47 OHM, J, 1/16W		
		R6483	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6484	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6485	D1H84704A042	M 47 OHM, J, 1/16W		
		R6491	D0GA473JA039	M 47K OHM, J, 1/16W		
		R6492	D0GA470JA039	M 47 OHM, J, 1/16W		
		R6493	D0GA223JA039	M 22K OHM, J, 1/16W		
		R6494	D0GA470JA039	M 47 OHM, J, 1/16W		
		R6495	D0GA470JA039	M 47 OHM, J, 1/16W		
		R6496	D0GA223JA039	M 22K OHM, J, 1/16W		
		R6497	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6499	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6503	D0GAR00JA039	M 0 OHM, 1/16W		
		R6510	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6511	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6512	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6514	D0GAR00JA039	M 0 OHM, 1/16W		
		R6551	D1BA2872A023	M 28.7K OHM, F, 1/16W		
		R6700	D0GA221JA039	M 220 OHM, J, 1/16W		
		R6701	D0GA221JA039	M 220 OHM, J, 1/16W		
		R6720	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R6724	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6736	D0GAR00JA039	M 0 OHM, 1/16W		
		R6737	D0GAR00JA039	M 0 OHM, 1/16W		
		R6738	D0GAR00JA039	M 0 OHM, 1/16W		
		R6757	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6759	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6762	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6765	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6804	D0GA471JA039	M 470 OHM, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R6806	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6809	D0GAR00JA039	M 0 OHM, 1/16W		
		R6815	D0GAR00JA039	M 0 OHM, 1/16W		
		R6817	D0GAR00JA039	M 0 OHM, 1/16W		
		R6822	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6828	D0GA330JA039	M 33 OHM, J, 1/16W		
		R6829	D0GA330JA039	M 33 OHM, J, 1/16W		
		R6830	D0GA330JA039	M 33 OHM, J, 1/16W		
		R6831	D0GA330JA039	M 33 OHM, J, 1/16W		
		R6837	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R6854	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6867	D0GAR00JA039	M 0 OHM, 1/16W		
		R6869	D0GAR00JA039	M 0 OHM, 1/16W		
		R6878	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6879	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6885	D1BA1622A023	M 16.2K OHM, F, 1/16W		
		R6886	D0GAR00JA039	M 0 OHM, 1/16W		
		R6888	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6901	D0GAR00JA039	M 0 OHM, 1/16W		
		R6902	D0GAR00JA039	M 0 OHM, 1/16W		
		R6903	D0GAR00JA039	M 0 OHM, 1/16W		
		R6904	D0GAR00JA039	M 0 OHM, 1/16W		
		R7101	D0GF105JA048	M 1M OHM, J, 1/4W		
		R7102	D0GF105JA048	M 1M OHM, J, 1/4W		
		R7103	D0GF105JA048	M 1M OHM, J, 1/4W		
		R7104	D0XB106JA018	M 10M OHM, J, 1/16W		
		R7105	D0GD102JA052	M 1K OHM, J, 1/8W		
		R7106	D0GD102JA052	M 1K OHM, J, 1/8W		
		R7201	ERX1SJR33V	M 0.33 OHM, J, 1/10W		
		R7202	ERX1SJR33V	M 0.33 OHM, J, 1/10W		
		R7203	D0GD823JA052	M 82K OHM, J, 1/8W		
		R7204	D0GF221JA047	M 220 OHM, J, 1/3W		
		R7205	D0GD101JA052	M 100 OHM, J, 1/8W		
		R7206	D0GD220JA059	M 22 OHM, J, 1/4W		
		R7207	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7209	D0GD100JA052	M 10 OHM, J, 1/8W		
		R7211	D0GD223JA052	M 22K OHM, J, 1/8W		
		R7212	D0GD822JA052	M 8.2K OHM, J, 1/8W		
		R7214	D0GF225JA048	M 2.2M OHM, J, 1/4W		
		R7215	D0GF225JA048	M 2.2M OHM, J, 1/4W		
		R7216	D0GF225JA048	M 2.2M OHM, J, 1/4W		
		R7217	D0GF225JA048	M 2.2M OHM, J, 1/4W		
		R7218	D0GD124JA052	M 120K OHM, J, 1/8W		
		R7219	D0GB223JA065	M 22K OHM, J, 1/10W		
		R7220	D0GB103JA065	M 10K OHM, J, 1/10W		
		R7221	D0GD101JA052	M 100 OHM, J, 1/8W		
		R7223	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7224	D1AB3904A023	M 3.9M OHM, F, 1/16W		
		R7225	D1AB3004A023	M 3000K OHM, F, 1/4W		
		R7226	D1AB3004A023	M 3000K OHM, F, 1/4W		
		R7227	D1AB3904A023	M 3.9M OHM, F, 1/16W		
		R7229	D0GD224JA052	M 220K OHM, J, 1/8W		
		R7230	D1BD3902A066	M 39K OHM, F, 1/8W		
		R7231	D1BD4702A066	M 47K OHM, F, 1/8W		
		R7301	D1BD3003A066	M 300K OHM, F, 1/8W		
		R7302	D0GF391JA048	M 390 OHM, J, 1/4W		
		R7303	D0GF391JA048	M 390 OHM, J, 1/4W		
		R7304	D0GF4R7JA048	M 4.7 OHM, J, 1/4W		
		R7305	D0GF750JA047	M 75 OHM, J, 1/4W		
		R7306	D0GD222JA052	M 2.2K OHM, J, 1/8W		
		R7307	D0GD222JA052	M 2.2K OHM, J, 1/8W		
		R7308	D0GD222JA052	M 2.2K OHM, J, 1/8W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7309	D0GD222JA052	M 2.2K OHM, J, 1/8W		
		R7310	D1BD3903A066	M 390K OHM, F, 1/8W		
		R7311	D0GD222JA052	M 2.2K OHM, J, 1/8W		
		R7312	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7313	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7315	D0GD222JA052	M 2.2K OHM, J, 1/8W		
		R7321	D0GD100JA059	M 10 OHM, J, 1/4W		
		R7322	D0GD100JA059	M 10 OHM, J, 1/4W		
		R7323	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7324	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7327	D0GF101JA048	M 100 OHM, J, 1/4W		
		R7353	D0GD101JA052	M 100 OHM, J, 1/8W		
		R7354	D0GF1R0JA047	M 1.0 OHM, J, 1/4W		
		R7355	D0GF1R0JA047	M 1.0 OHM, J, 1/4W		
		R7380	D0GD224JA052	M 220K OHM, J, 1/8W		
		R7381	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7387	D0GF4R7JA048	M 4.7 OHM, J, 1/4W		
		R7397	D1BD1802A066	M 18K OHM, F, 1/8W		
		R7398	D1BD2201A066	M 220 OHM, F, 1/8W		
		R7399	D0GF750JA047	M 75 OHM, J, 1/4W		
		R7401	D0GD472JA052	M 4.7K OHM, J, 1/8W		
		R7402	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7404	D0GD334JA052	M 330K OHM, J, 1/8W		
		R7405	D0GD561JA052	M 560 OHM, J, 1/8W		
		R7406	D1BD3301A066	M 3.3K OHM, F, 1/8W		
		R7407	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7408	D0GD102JA052	M 1K OHM, J, 1/8W		
		R7409	D0GD333JA052	M 33K OHM, J, 1/8W		
		R7410	D0GD153JA052	M 15K OHM, J, 1/8W		
		R7411	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7412	D0GD153JA052	M 15K OHM, J, 1/8W		
		R7413	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7414	D0GD220JA052	M 22 OHM, J, 1/8W		
		R7415	D0GD220JA052	M 22 OHM, J, 1/8W		
		R7418	D0GD105JA052	M 1M OHM, J, 1/8W		
		R7420	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7421	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7426	D0GB472JA065	M 4.7K OHM, J, 1/10W		
		R7432	D0GD100JA052	M 10 OHM, J, 1/8W		
		R7436	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7476	D0GZ2R2JA020	M 2.2 OHM, J, 1/2W		
		R7478	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7479	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7480	D0GD223JA052	M 22K OHM, J, 1/8W		
		R7481	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7482	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7485	D0GD334JA052	M 330K OHM, J, 1/8W		
		R7486	D1BB2003A073	M 200K OHM, F, 1/10W		
		R7487	D1BB3602A073	M 36K OHM, F, 1/10W		
		R7488	D0GD100JA052	M 10 OHM, J, 1/8W		
		R7492	D0GD243JA052	M 24K OHM, J, 1/8W		
		R7495	D0GD100JA052	M 10 OHM, J, 1/8W		
		R7521	D1BD1802A066	M 18K OHM, F, 1/8W		
		R7523	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7801	ERG2SJ562V	M 5.6K OHM, J, 2W		
		R7802	D0GD101JA052	M 100 OHM, J, 1/8W		
		R7803	ERG2SJ562V	M 5.6K OHM, J, 2W		
		R7804	D0GB470JA065	M 47 OHM, J, 1/10W		
		R7805	D1BD6492A066	M 64.9K OHM, F, 1/8W		
		R7806	D1BD7501A066	M 7.5K OHM, F, 1/8W		
		R7807	D1BD2402A066	M 24K OHM, F, 1/8W		
		R7809	D0GD102JA052	M 1K OHM, J, 1/8W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7810	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7814	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7815	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7816	D1BD1203A066	M 120K OHM, D, 1/10 W		
		R7820	D0GD101JA059	M 100 OHM, J, 1/8W		
		R7821	D0GD101JA052	M 100 OHM, J, 1/8W		
		R7827	D0GD100JA052	M 10 OHM, J, 1/8W		
		R7833	D0GB470JA065	M 47 OHM, J, 1/10W		
		R7840	ERG2SJ103P	M 10k OHM, J, 2W		
		R7842	D0GFR18JA020	M 0.18 OHM, J, 1/4W		
		R7843	D0GD220JA059	M 22 OHM, J, 1/4W		
		R7844	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7845	D0GFR18JA020	M 0.18 OHM, J, 1/4W		
		R7846	D0GFR18JA020	M 0.18 OHM, J, 1/4W		
		R7849	D1BD3903A066	M 390K OHM, F, 1/8W		
		R7851	D1BF15R0A073	M 15 OHM, F, 1/16W		
		R7852	D1BF15R0A073	M 15 OHM, F, 1/16W		
		R7853	D1BF12R0A073	M 12 OHM, F, 1/16W		
		R7854	D1BF12R0A073	M 12 OHM, F, 1/16W		
		R7855	D1BF12R0A073	M 12 OHM, F, 1/16W		
		R7856	D1BD3903A066	M 390K OHM, F, 1/8W		
		R7857	D1BF12R0A073	M 12 OHM, F, 1/16W		
		R7860	D1BF12R0A073	M 12 OHM, F, 1/16W		
		R7863	D1BD1501A066	M 1.5K OHM, F, 1/10W		
		R7866	D1BD3903A066	M 390K OHM, F, 1/8W		
		R7867	D1BD3303A066	M 330K OHM, D, 1/10 W		
		R7870	D0GD152JA052	M 1.5K OHM, J, 1/8W		
		R7873	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7882	D1BD6202A066	M 62K OHM, D, 1/10 W		
		R7899	D0GD101JA052	M 100 OHM, J, 1/8W		
		R8007	D0GAR00JA039	M 0 OHM, 1/16W		
		R8008	D0GAR00JA039	M 0 OHM, 1/16W		
		R8100	D1BA1002A023	M 10K OHM, F, 1/16W		
		R8101	D1BA1502A023	M 15K OHM, F, 1/16 W		
		R8104	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8118	D1BA2051A023	M 2.05K OHM, F, 1/16W		
		R8119	D1BA1201A023	M 1.2K OHM, F, 1/16W		
		R8200	D1BA47R0A023	M 47 OHM, F, 1/16W		
		R8201	D1BA1200A023	M 120 OHM, F, 1/16W		
		R8206	D0GA101JA039	M 100 OHM, J, 1/16W		
		R8207	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8208	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8209	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8210	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8211	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8212	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8213	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8214	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8215	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8216	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8300	D0GA101JA039	M 100 OHM, J, 1/16W		
		R8301	D1BA4701A023	M 4.7K OHM, F, 1/16W		
		R8302	D1BA2402A023	M 24K OHM, F, 1/16W		
		R8606	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8612	D1BA2402A023	M 24K OHM, F, 1/16W		
		R8651	D0GAR00JA039	M 0 OHM, 1/16W		
		R8674	D0GAR00JA039	M 0 OHM, 1/16W		
		R8706	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8707	D1BA2872A023	M 28.7K OHM, F, 1/16W		
		R8708	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R8710	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8713	D0GA103JA039	M 10K OHM, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8714	D1BA1652A023	M 16.5K OHM, F, 1/16W		
		R8716	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R8717	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8726	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8728	D0GAR00JA039	M 0 OHM, 1/16W		
		R8732	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8759	D1BA1652A023	M 16.5K OHM, F, 1/16W		
		R8760	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8763	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R8765	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8766	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8771	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R8809	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8842	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8843	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8868	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8871	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8876	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8901	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8902	D0GAR00JA039	M 0 OHM, 1/16W		
		R8903	D0GAR00JA039	M 0 OHM, 1/16W		
		R8907	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8910	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8911	D0GAR00JA039	M 0 OHM, 1/16W		
		R8912	D0GAR00JA039	M 0 OHM, 1/16W		
		R8913	D0GAR00JA039	M 0 OHM, 1/16W		
		R8914	D0GAR00JA039	M 0 OHM, 1/16W		
		R8915	D0GAR00JA039	M 0 OHM, 1/16W		
		R8916	D0GAR00JA039	M 0 OHM, 1/16W		
		R8917	D0GAR00JA039	M 0 OHM, 1/16W		
		R8918	D0GAR00JA039	M 0 OHM, 1/16W		
		R8919	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8920	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8921	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8922	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8923	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8924	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8925	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8926	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8927	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8929	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8930	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8931	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8949	D0GA103JA039	M 10K OHM, J, 1/16W		
		R9105	D0GAR00JA039	M 0 OHM, 1/16W		
		R9107	D0GAR00JA039	M 0 OHM, 1/16W		
		RM2800	B3RBB0000018	PHOTO DETECTOR		
		SN2800	B3JB00000223	PHOTO DETECTOR		
		SW2851	EVQ11G05R	SWITCH		
		SW2852	EVQ11G05R	SWITCH		
		SW2853	EVQ11G05R	SWITCH		
		SW2854	EVQ11G05R	SWITCH		
		SW2855	EVQ11G05R	SWITCH		
		SW2857	EVQ11G05R	SWITCH		
		T7203	G4DYA0000842	TRANSISTOR		
		T7301	G4DYA0000843	SWITCHING TRANSFORMER		
		TU6710	J3ACZAZ00002	TUNER		
		X6800	H0J410500003	CRYSTAL RESONATORS		
		X8301	H0J240500106	CRYSTAL OSCILLATOR		
		ZA0100	K4AD01D00026	TERMINAL		
		ZA0101	K4AD01D00026	TERMINAL		
		ZA0102	K4AD01D00026	TERMINAL		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		ZA0103	K4AD01D00026	TERMINAL		
		ZA0104	K4AD01D00026	TERMINAL		
		ZA0105	K4AD01D00026	TERMINAL		
		ZA0107	K4AD01D00026	TERMINAL		
		ZA0108	K4AD01D00026	TERMINAL		
		ZA0109	K4AD01D00026	TERMINAL		
		ZA0110	K4AD01D00026	TERMINAL		
		ZA0111	K4AD01D00026	TERMINAL		
		ZA0112	K4AD01D00026	TERMINAL		
		ZA0113	K4AD01D00026	TERMINAL		
		ZA0114	K4AD01D00026	TERMINAL		
		ZA0115	K4AD01D00026	TERMINAL		
		ZA0129	K4AD01D00026	TERMINAL		
		ZA0130	K4AD01D00026	TERMINAL		
		ZA0131	K4AD01D00026	TERMINAL		
		ZA0132	K4AD01D00026	TERMINAL		
		ZA0450	K4ZZ01000289	SHIELD CASE CLIP		
		ZA0452	K4ZZ01000289	SHIELD CASE CLIP		
		ZA0454	K4ZZ01000289	SHIELD CASE CLIP		
		ZA0501	K4AD01D00026	TERMINAL		
		ZA0503	K4AD01D00026	TERMINAL		
		ZA0504	K4AD01D00026	TERMINAL		
		ZA0505	K4AD01D00026	TERMINAL		
		ZA0506	K4AD01D00026	TERMINAL		
		ZA0507	K4AD01D00026	TERMINAL		
		ZA0510	K4AD01D00026	TERMINAL		
		ZA0511	K4AD01D00026	TERMINAL		
		ZA0512	K4AD01D00026	TERMINAL		
		ZA0513	K4AD01D00026	TERMINAL		
		ZA0514	K4AD01D00026	TERMINAL		
		ZA0515	K4AD01D00026	TERMINAL		
		ZA0516	K4AD01D00026	TERMINAL		
		ZA0517	K4AD01D00026	TERMINAL		
		ZA0518	K4AD01D00026	TERMINAL		
		ZA0519	K4AD01D00026	TERMINAL		
		ZA0520	K4AD01D00026	TERMINAL		
		ZA0521	K4AD01D00026	TERMINAL		
		ZA0529	K4AD01D00026	TERMINAL		
		ZA7101	K4AD01A00004	RUG TERMINAL		
		ZA7102	K4AD01A00004	RUG TERMINAL		
		ZA7103	K4AD01A00004	RUG TERMINAL		
		ZA7105	K4AD01A00004	RUG TERMINAL		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		1	K1HY05YY0303	WIFI_USB_CABLE		
	⚠	2	K2CQ2YY00107	AC_CORD		
		3	L0EYAA000068	SPEAKER UNIT		
		4	N2QAYB001109	REMOTE_TRANSMITTER		
	⚠	5	N5HBZ0000120	WIFI_MODULE		
		6	TBL5ZX08911A	STAND METAL KIT ASSY		Kit Includes All Brackets and Screws
		7	TBX0E87902	KEY BUTTON BRACKET		
			THE5ZL002N	SCREW (B) M4x12mm (Round Screw)		Pedestal Assembly to TV Screw Note : Screws Supplied with Stand Metal Kit Assy
		8	TKK5ZC50501A	LED PANEL		
		9	TKP5ZA69103	SIDE AV BRACKET		
		10	TPD4GA05131	CUSHION FRONT		
		11	TPD4GA07781A	CUSHION TOP		
		12	TPD4GA07791	CUSHION BOTTOM		
		13	TPE4GH080	SET_BAG		
		14	TQZ4GC143	FAN BAG ASSY		
		15	TSCKF0020005	LVDS CABLE		
	⚠	16	TXN/K1WLK	K PRINT ASSEMBLY		
	⚠	17	TXN/P1QBVB	P PRINT ASSEMBLY		
		18	TZBL5ZX11241A	PEDESTAL ASSY L		
		19	TZBL5ZX11251A	PEDESTAL ASSY R		
	⚠	20	TZLP151KFAA	LCD_PANEL_ASSY		
	⚠	21	TZT/A1FNVR	A PRINT ASSEMBLY		
		22	TZTU4GA2040	BACK_COVER_COMPLETE		
			XSS5+15FNK	SCREW (A) M5x15mm (Flat Screw)		Bracket to Pedestal Base Screw Note : Screws Supplied with Stand Metal Kit Assy