

Service Manual

LED TV

Model No. **TH-43FX500V**

Chassis: **KM43**

Destination: **VIETNAM**



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.

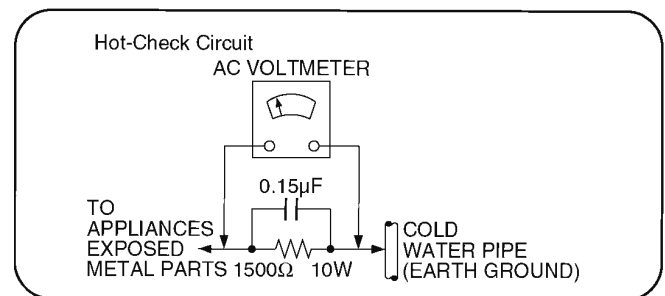


Figure 1

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

2.2. About lead free solder (PbF)

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

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

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

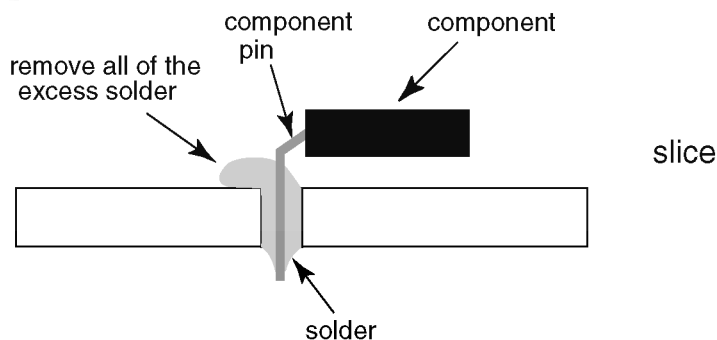
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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

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

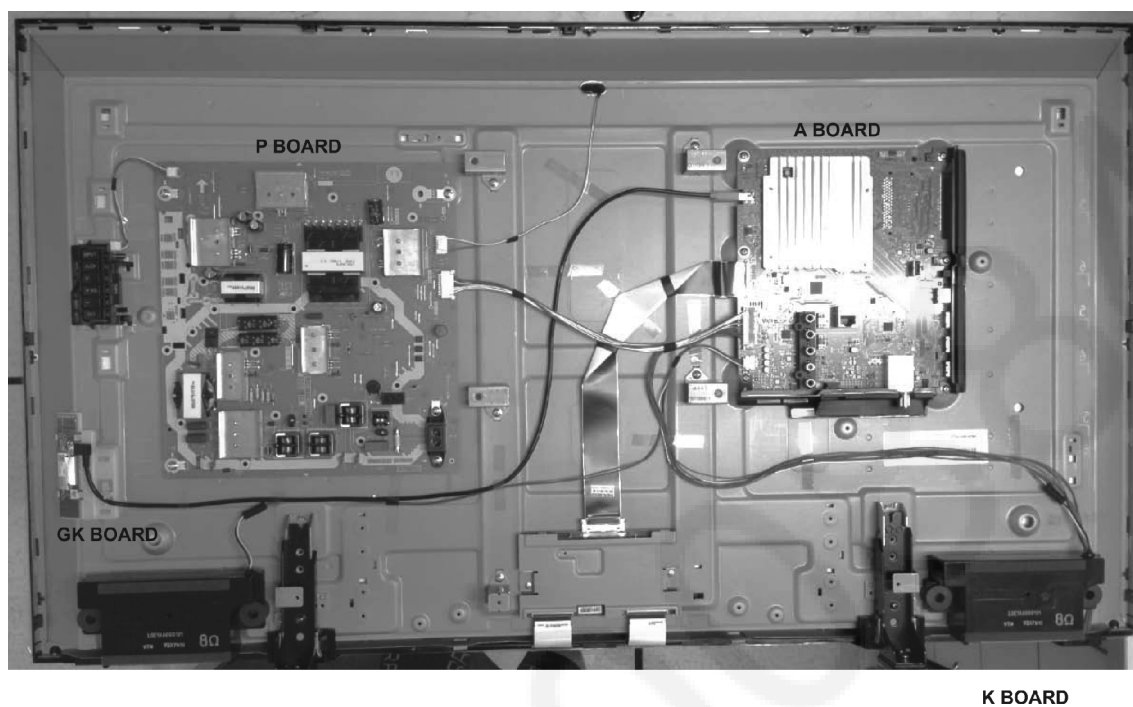
Caution

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



3 Service Navigation

3.1. Service Hint



Board Name	Main Device	Remarks
A BOARD	TUN, OFDM, ADV, LD4, STBY EEP	Repairable
P BOARD	Power Supply	Repairable
GK BOARD	Function SW	Repairable
K BOARD	LED/RM/CATS	Repairable

4 Specifications

Dimensions (W × H × D)	974 mm × 624 mm × 232 mm (With Pedestal) 974 mm × 569 mm × 80 mm (TV only)
Mass	11.0 kg Net (With Pedestal) 10.0 kg Net (TV only)
Power Rating	AC ~ 220-240 V, 50 / 60 Hz
Rated power consumption	109 W
Standby power consumption	0.50 W
Visible screen size (diagonal)	108 cm
Display resolution	3 840 (W) × 2 160 (H)
Panel	LED backlight Liquid Crystal Display
Sound	
Speaker output	20 W (10 W + 10 W)
Connection terminals	
AV IN	VIDEO Pin jack × 1, 1.0 V[p-p] (75 Ω)
(COMPONENT / VIDEO)	AUDIO L - R Pin jack × 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 / 3 input	TYPE A Connectors HDMI1 / 3: 4K, Content Type, Deep Colour, x.v.Colour™ HDMI2: 4K, Content Type, Audio Return Channel, Deep Colour, x.v.Colour™ • This TV supports "HDAVI Control 5" function.
ETHERNET	10BASE-T / 100BASE-TX
USB 1 / 2	USB1: DC ≡ 5 V, Max. 900 mA [SuperSpeed USB (USB 3.0)] USB2: DC ≡ 5 V, Max. 500 mA [Hi-Speed USB (USB 2.0)]
DIGITAL AUDIO OUT	PCM / Dolby Digital, Fibre optic
AUDIO OUT	3.5 mm stereo mini jack × 1

Receiving systems / Band name

7 SYSTEMS	FUNCTION
1 PAL B, G, H	
2 PAL I	
3 PAL D, K	
4 SECAM B, G	Reception of broadcast transmissions and
5 SECAM D, K	Playback from Video Cassette Tape Recorders
6 SECAM K1	
7 NTSC M (NTSC 3.58 / 4.5 MHz)	

Digital TV

7 MHz VHF / 8 MHz UHF free-to-air TV broadcast reception

Cable TV

Digital cable services

Receiving channels (Analogue TV)

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

Aerial input

VHF / UHF

Operating Conditions

Temperature : 0°C - 40°C

Humidity : 20% - 80% RH (non-condensing)

Built-in wireless LAN

Standard compliance and Frequency range*

IEEE802.11a/n

5.15 GHz - 5.35 GHz, 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)

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

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 > License).

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

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.
- 1. 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

Note:
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.

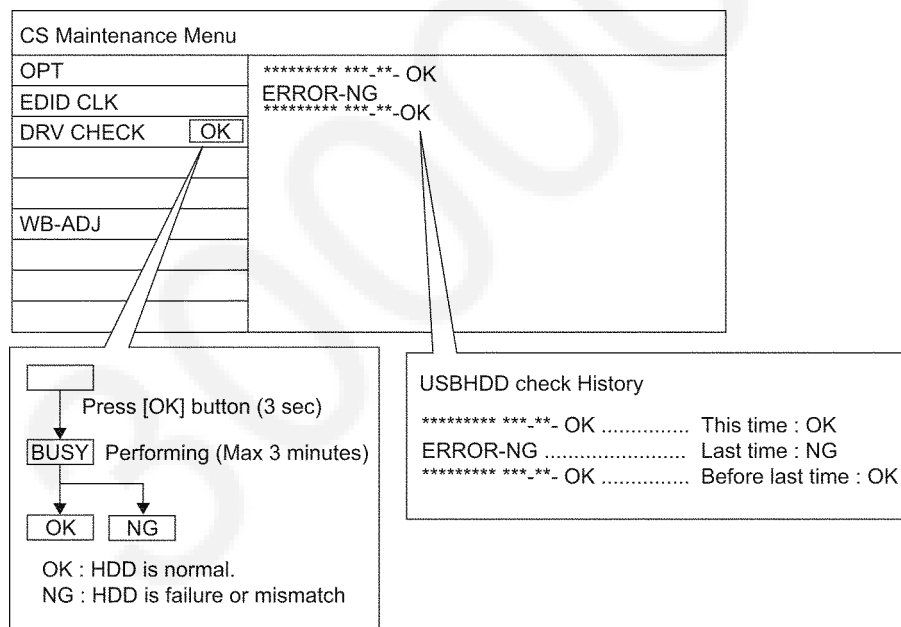
CS Maintenance Menu			
OPT			
EDID CLK	EDID-CLK	S-HIGH	Clock speed
DRV CHECK	HDMI	1	HDMI Number
WB-ADJ			

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).

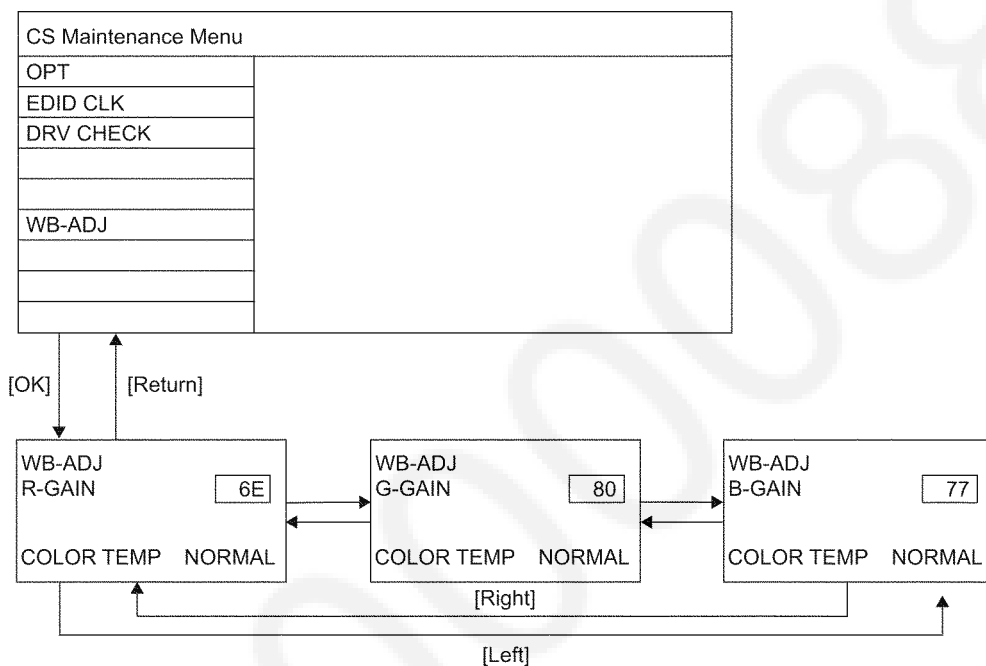
1. Select [W/B ADJ] in CS Maintenance Menu.
2. Press [OK] button on the remote control.

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/TUNING)



Exit:

Press the [Return] button on the remote control.

5.6. Hotel mode

5.6.1. Purpose

Restrict a function for hotels.

5.6.2. 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

Select
 OK  RETURN

5.6.3. 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.

5.6.4. 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

5.7. Data Copy by USB Memory

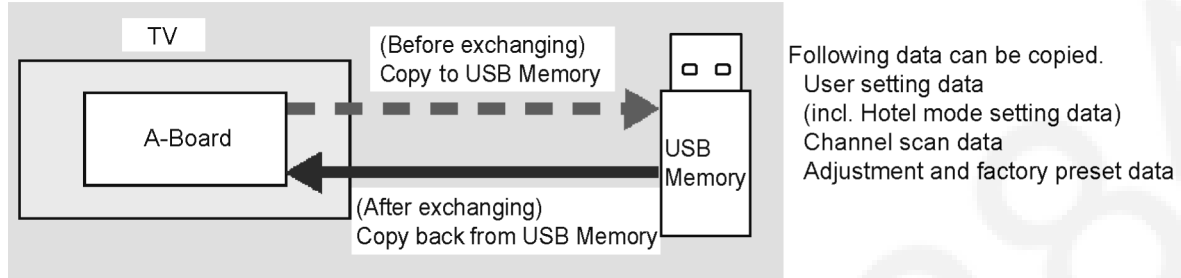
Note:

SD card can not be used for Data Copy.

5.7.1. Purpose

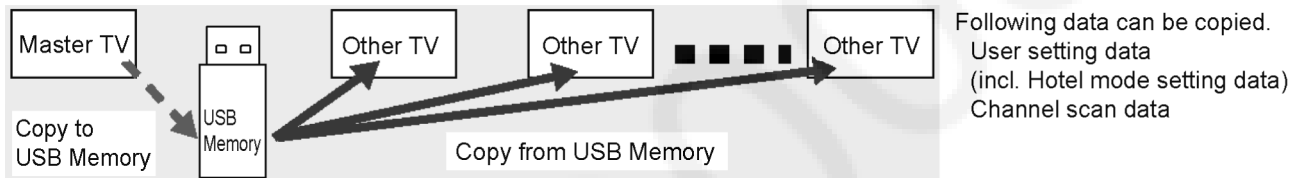
(a) Board replacement (Copy the data when exchanging A-board):

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



(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.



5.7.2. 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.

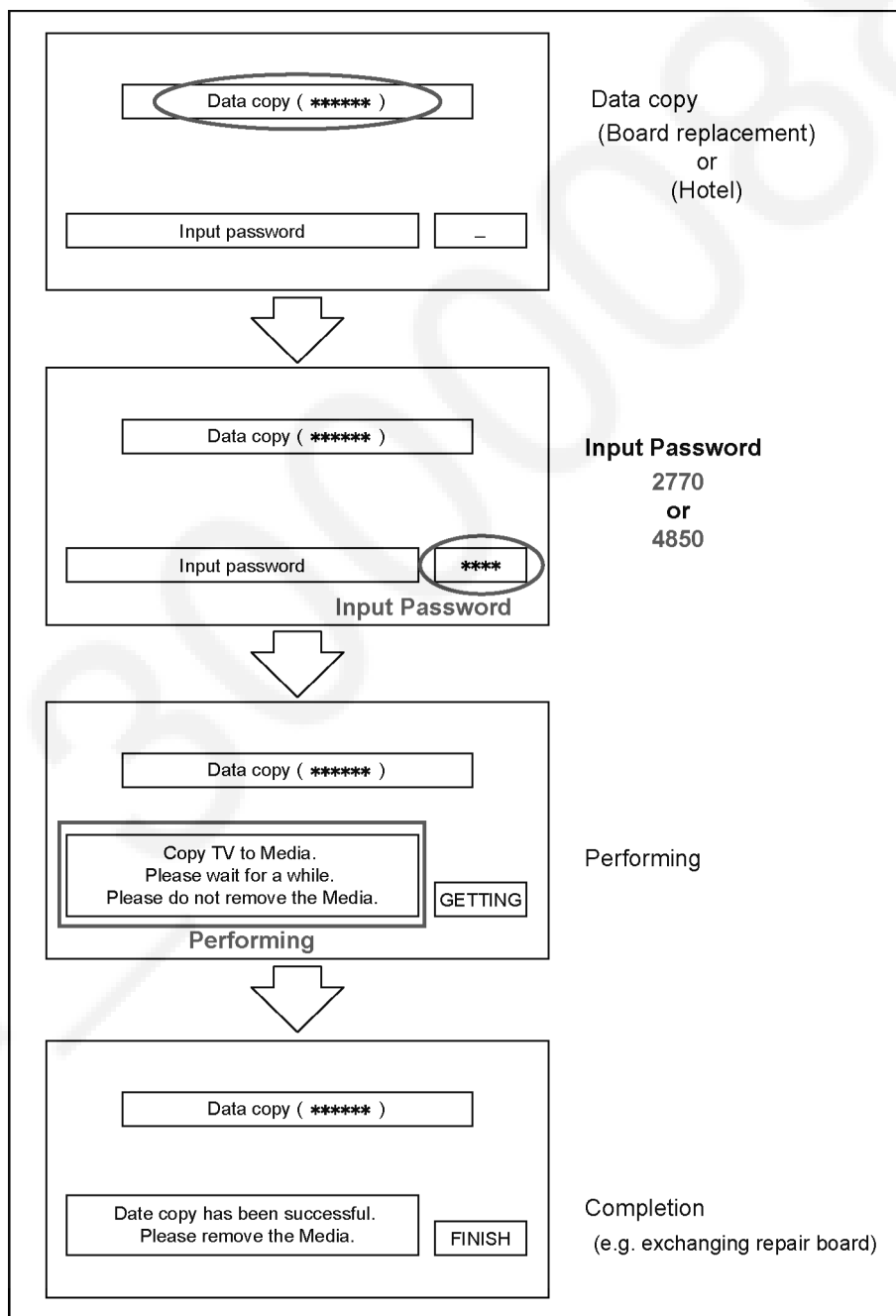
5.7.3. Data copy from TV set to USB Memory

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

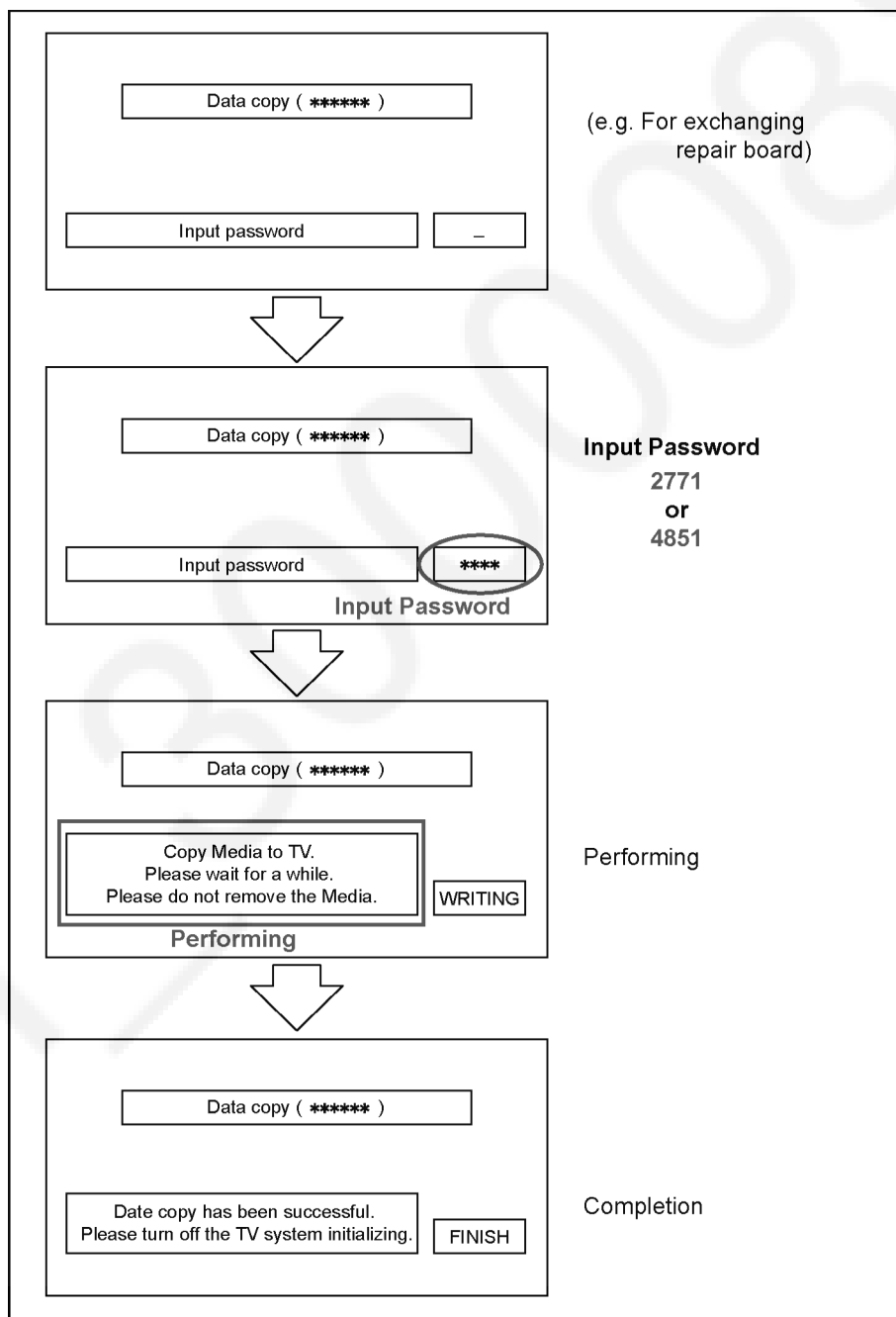


5.7.4. Data copy from USB Memory to TV set

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 [OK] button on the remote control for more than 3 seconds.

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

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

6.1.2. Screen display

Self Check Complete			
H14TUN	OK	PEAKS-SOFT	4.018
H07TEMP	OK	PEAKS-EEP	00.80.433f
H17LAN	OK	LSI-PACKAGE	0.027
H00FE	OK	LSI-RELEASE	0.03
H96ID	OK	AQ-PACKAGE	0.022
H97ID2	OK	STBY-SOFT	1.00.00
H42WiFi	OK	STBY-EEP	1.00.0044
H71TCON	OK	TCON SOFT	d0107000
H21DSP	OK	INFO 1	00e0e000
		INFO 2	e0730157
		INFO 3	701cc002
		MODEL ID	0e 0300033f 00000800

6.2. Power LED Blinking timing chart

1. Subject
Information of LED Flashing timing chart.
2. Contents

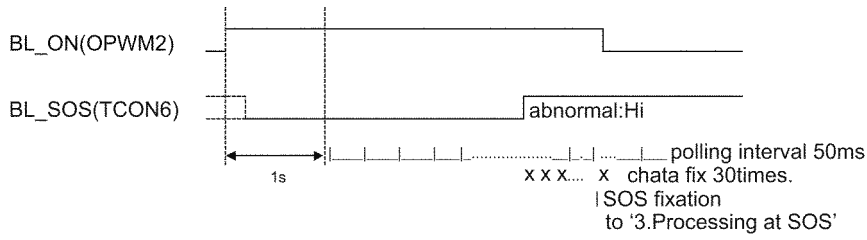
When an abnormality occurs, the protection circuit will operate and reset the unit to stand by mode. During this time, the defective block can be identified by the number of blinking times of the Power LED on the front panel of the unit as follow:

Priority	Name	Factor	R_LED Blink
1	BL_SOS	SOS from PANEL inverter	1
2	TV_SOS	TCON power down	3
3	SOUND_SOS	SOS from audio AMP	9

6.3. Method of detecting SOS

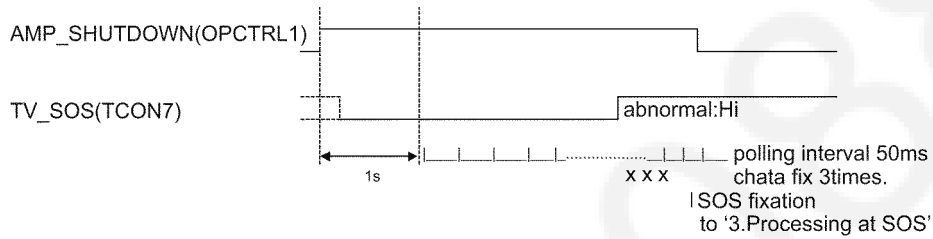
1. BL_SOS

Detection beginning after one second pass from 'BL_ON'=ON



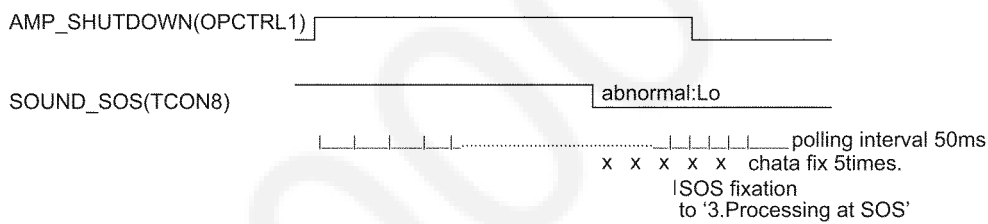
2. TV_SOS

Detection beginning after one second pass from 'AMP_SHUTDOWN'=ON



3. SOUND_SOS

Detection beginning 'AMP_SHUTDOWN'=ON



6.4. 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.

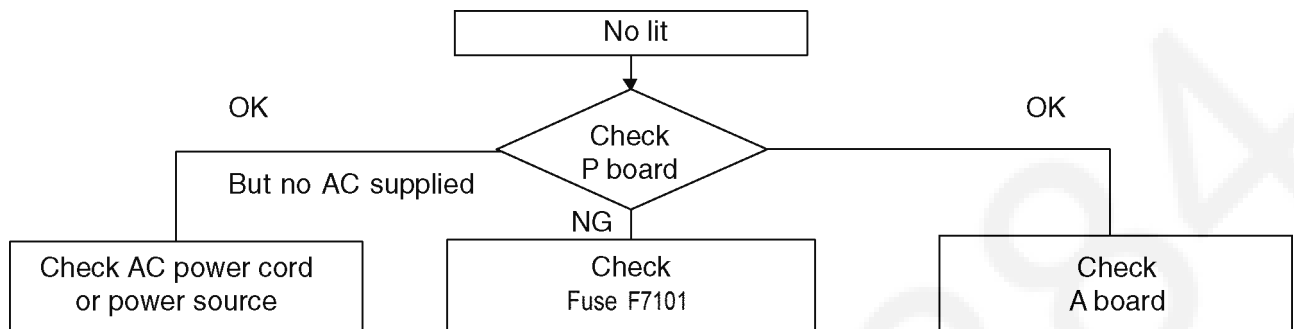
If the normal picture is displayed, LCD Panel must be okay and the cause of failure must be in A board.

6.5. No Power

First check point

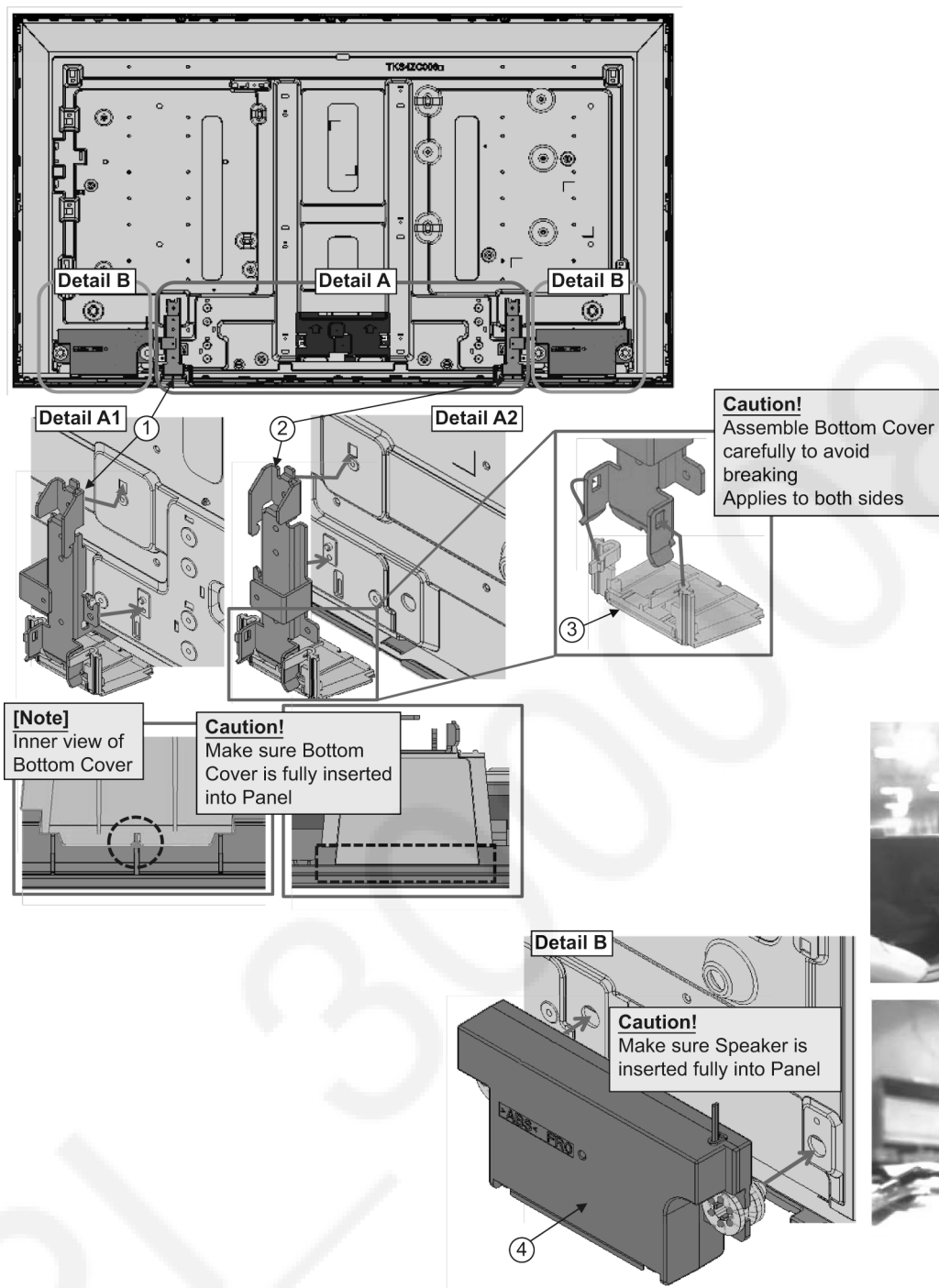
There are following 2 states of No Power indication by power LED.

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



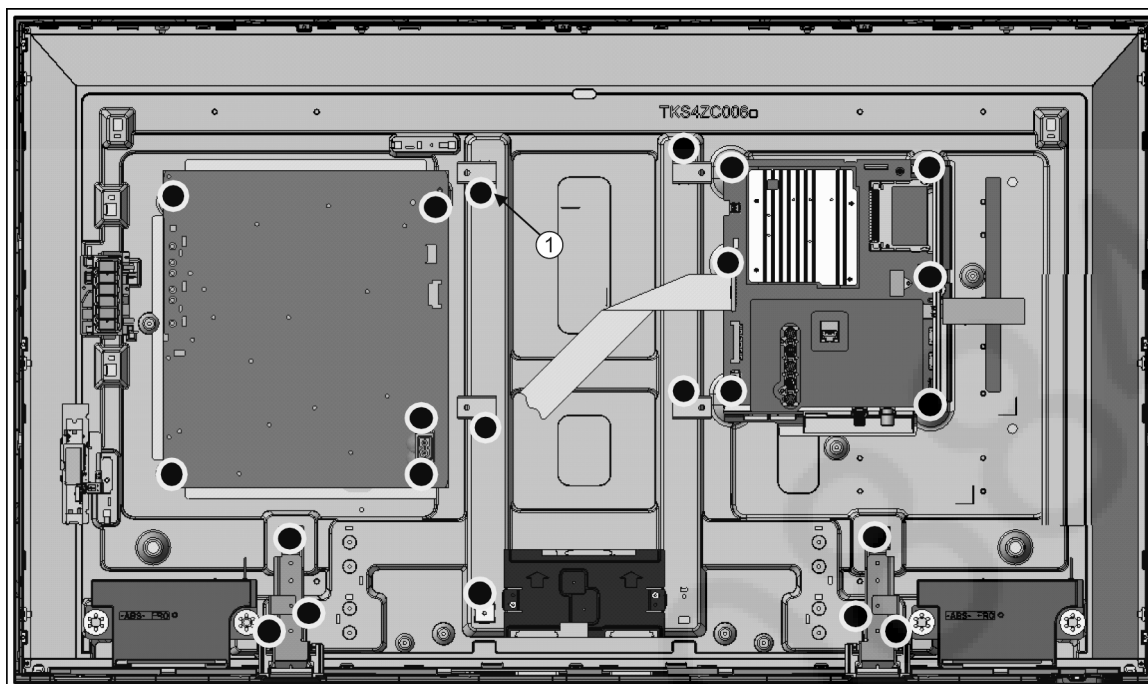
7 Disassembly and Assembly Instructions

7.1. SP_BTМ MTL Assy



No	Description	Qty	UOM
1	BOTTOM_METAL R	1	PC
2	BOTTOM_METAL L	1	PC
3	BOTTOM_COVER	2	PC
4	SPEAKER	2	PC

7.2. Screw Assy 1

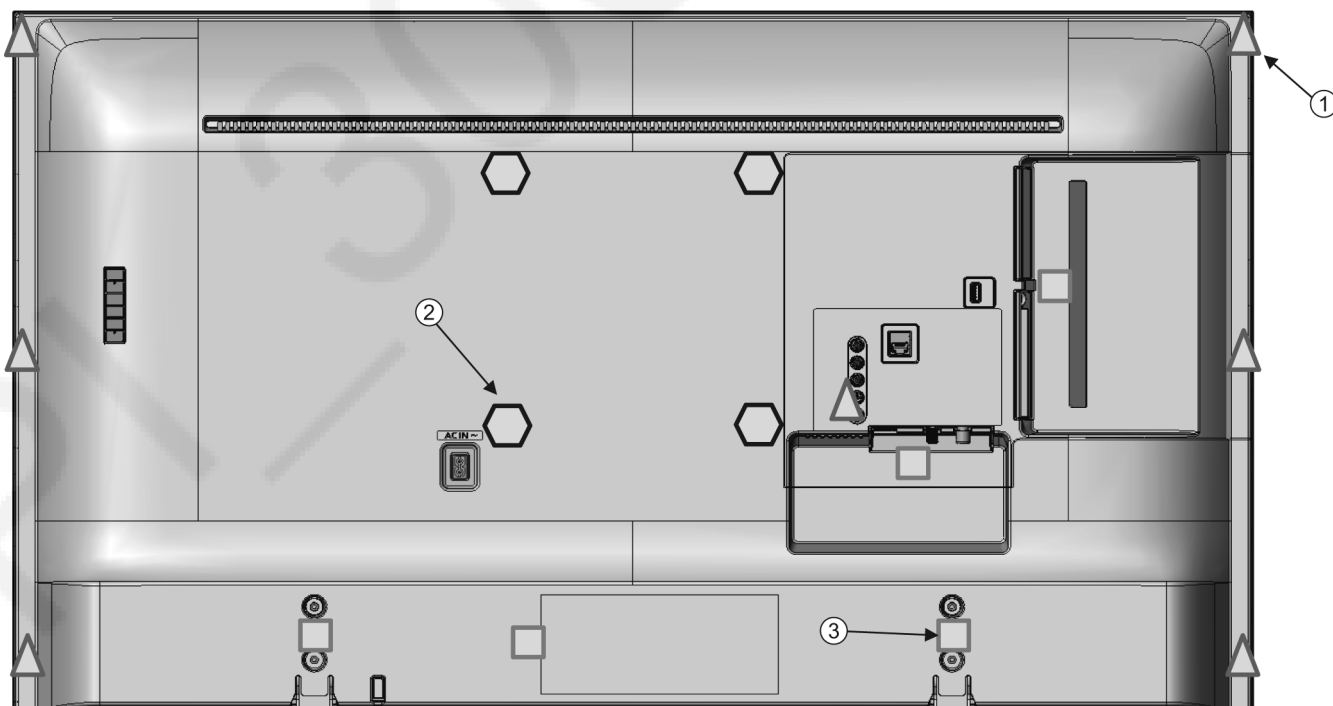


No	Description	Qty	UOM	Remarks
1	PCB SCREW	22	PC	6 ± 1kgf.cm

7.3. Screw Assy 2

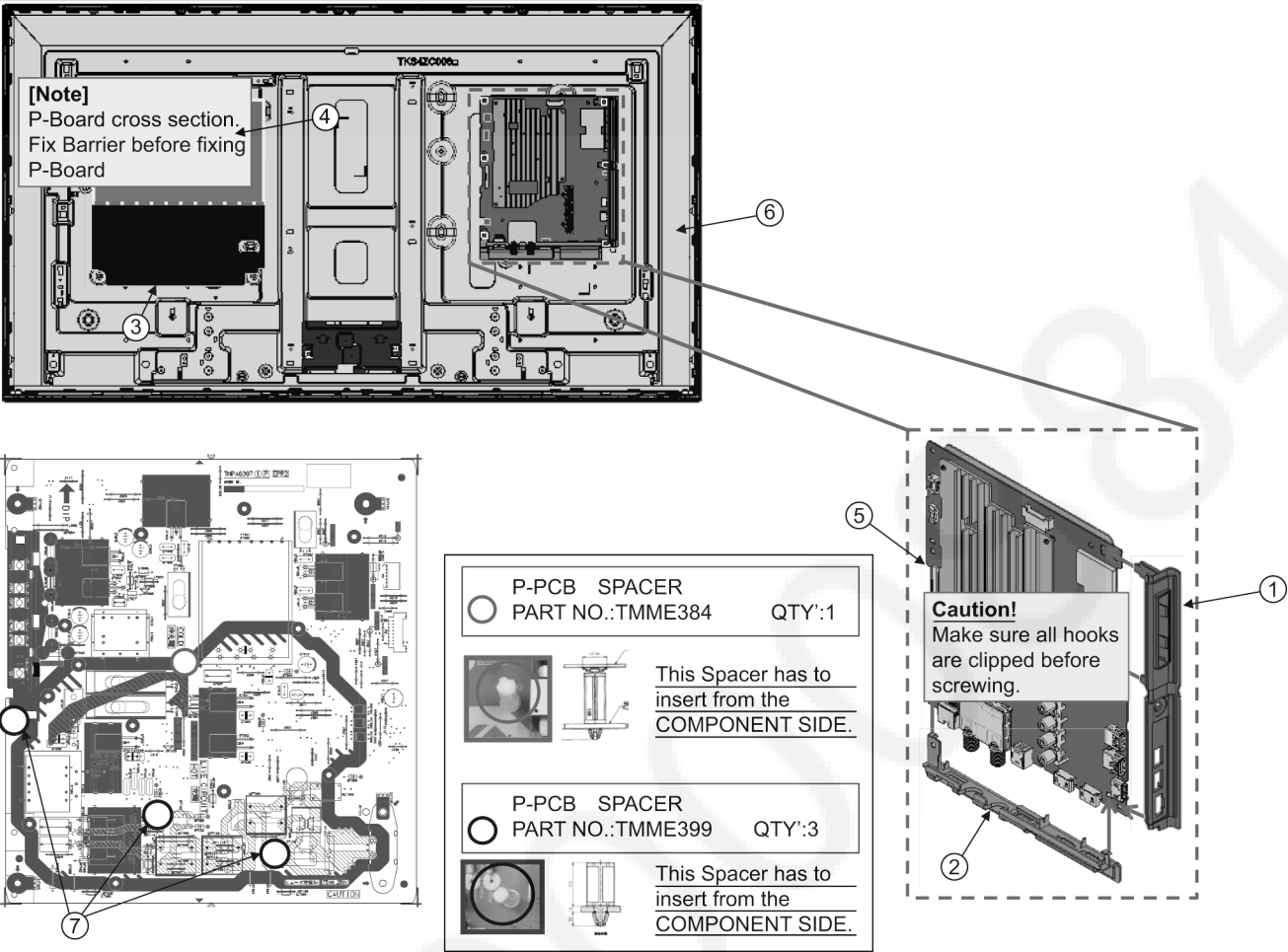


Return torque: [11kgf.cm or less than]



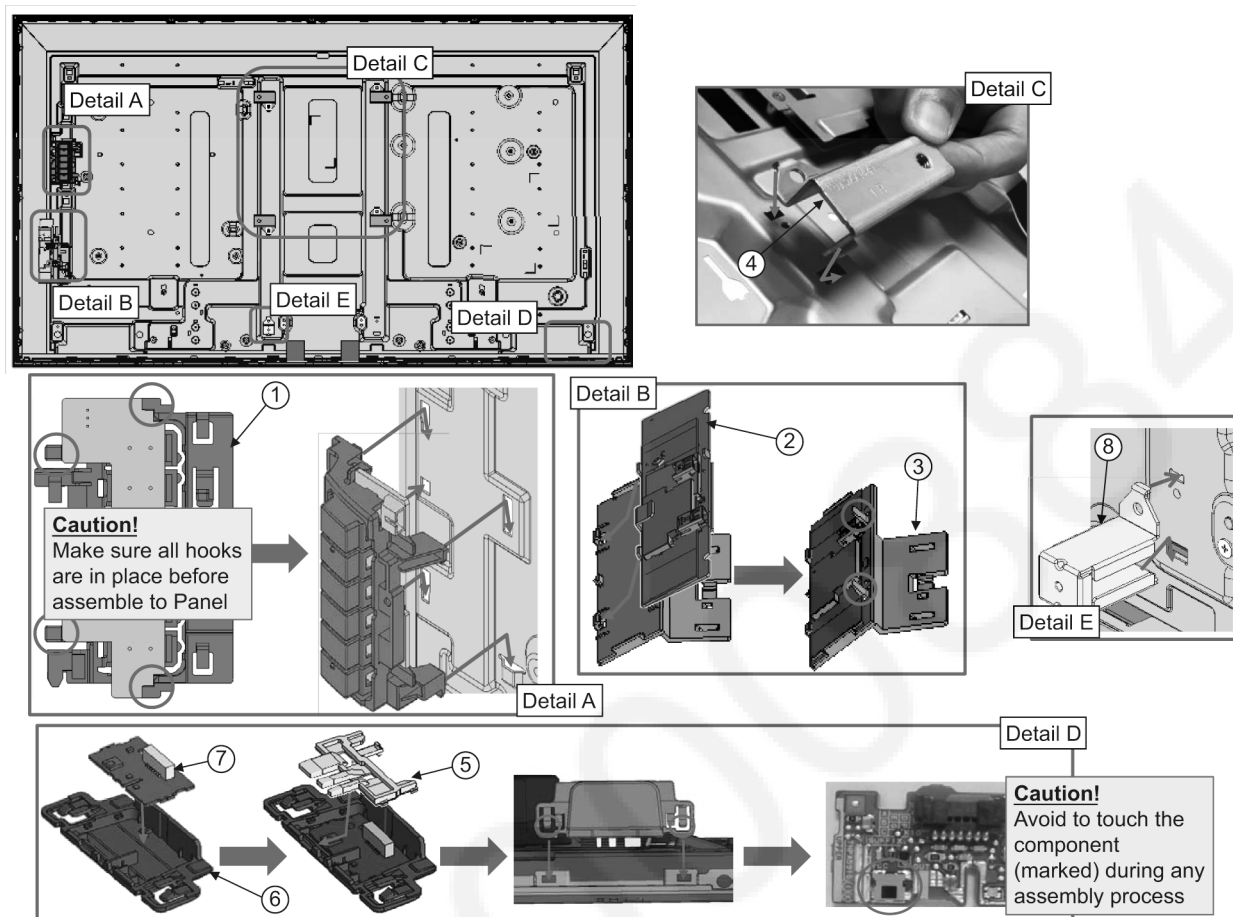
No	Description	Qty	UOM	Remarks
1	SCREW (BC6/AV1)	7	PC	6 ± 1kgf.cm
2	SCREW (BC4)	4	PC	6 ± 1kgf.cm
3	SCREW (AV2/BC1/BTM_METAL2)	5	PC	6 ± 1kgf.cm

7.4. AV Bracket



No	Description	Qty	UOM	Remarks
1	SIDE_AV_BRACKET-A-ASIA	1	PC	
2	BOTTOM_AV_BRACKET	1	PC	
3	BARRIER	1	PC	
4	P-BOARD	1	PC	refer CH PL
5	A-BOARD	1	PC	refer CH PL
6	ASS'Y 43 IN-HOUSE PANEL	1	PC	refer MDL PL
7	P-PCB SPACER	1	PC	

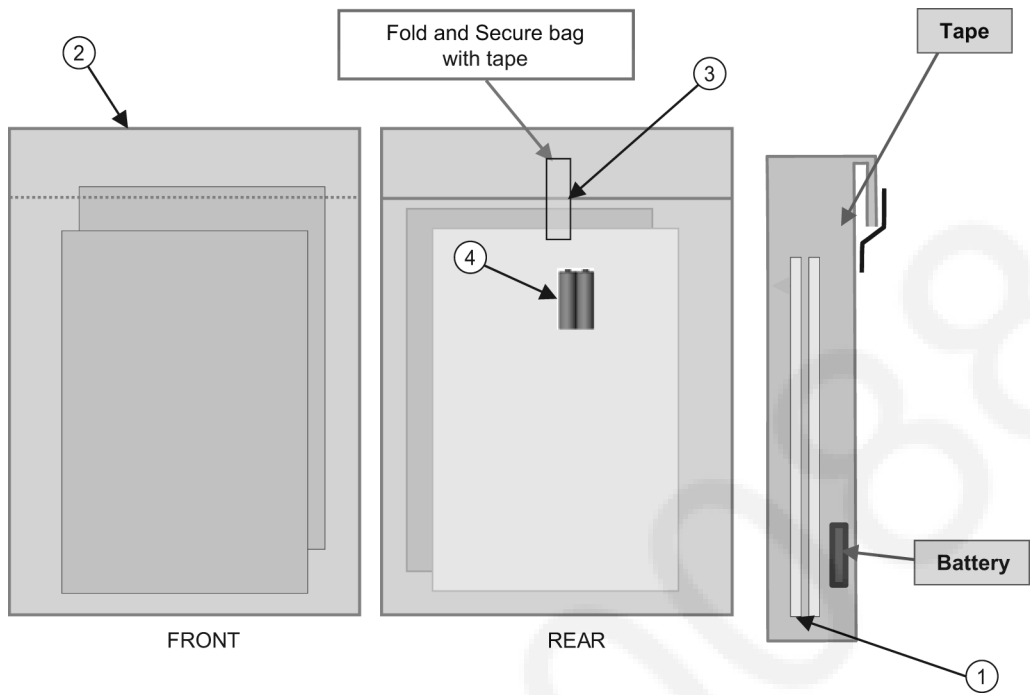
7.5. Vesa Metal



No	Description	Qty	UOM	Remarks
1	KEY BUTTON BRACKET	1	PC	
2	WIFI DONGLE	1	PC	
3	WIFI_BRACKET	1	PC	
4	VESA_METAL	4	PC	
5	LED_PANEL	1	PC	
6	LED_PANEL_CASE	1	PC	
7	K-BOARD	1	PC	Refer CH P/L
8	BTM_BACK_COVER_METAL	1	PC	

7.6. Accessories Assy

- 1. **Caution:** Please make sure that PANASONIC logo printing at operating manual **MUST** in top position.
- 2. Please confirm the model no. printing are correct.



No	Description	Qty	UOM
1	OPERATING MANUAL(ENGLISH)	1	PC
2	COVER FOR FAN BAG / BAG	1	PC
3	YELLOW MASKING TAPE	0.04	MT
4	BATTERY	1	PC

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	Test Point	Voltage (V)	Target Board
STB5V	TP2026	5.1V $\pm$ 5%	ALL
GND	TP2006	0V	ALL
F15V	TP2003, TP2005	15.7V $\pm$ 5%	ALL
GND	TP2008, TP2011	0V	ALL

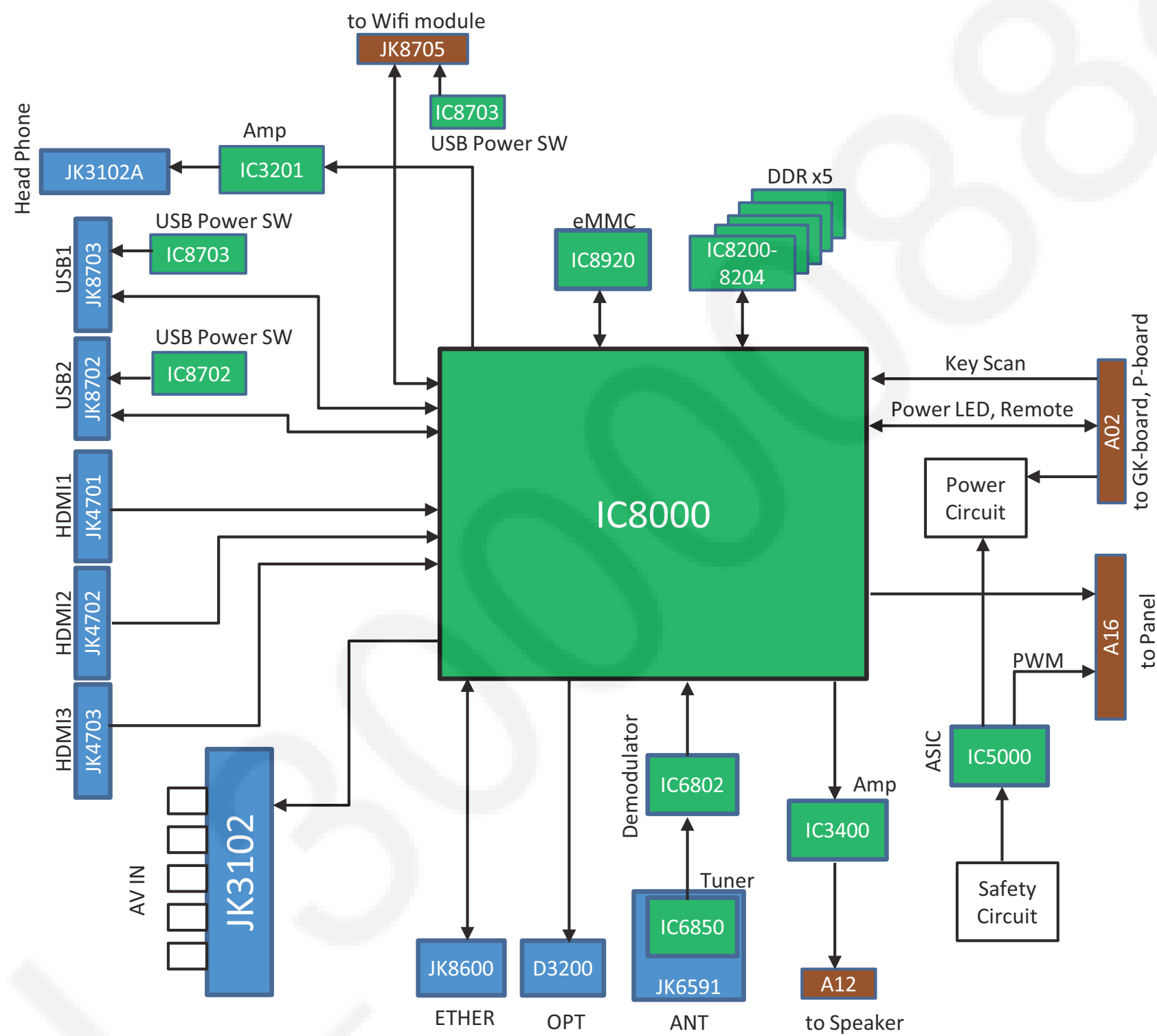
8.2. Voltage chart of P-board

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	*HOT
PFC	TP7201/02	TP7203/04	< 340V	390V $\pm$ 15V	390V $\pm$ 15V	
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	Table on Page 3-4	

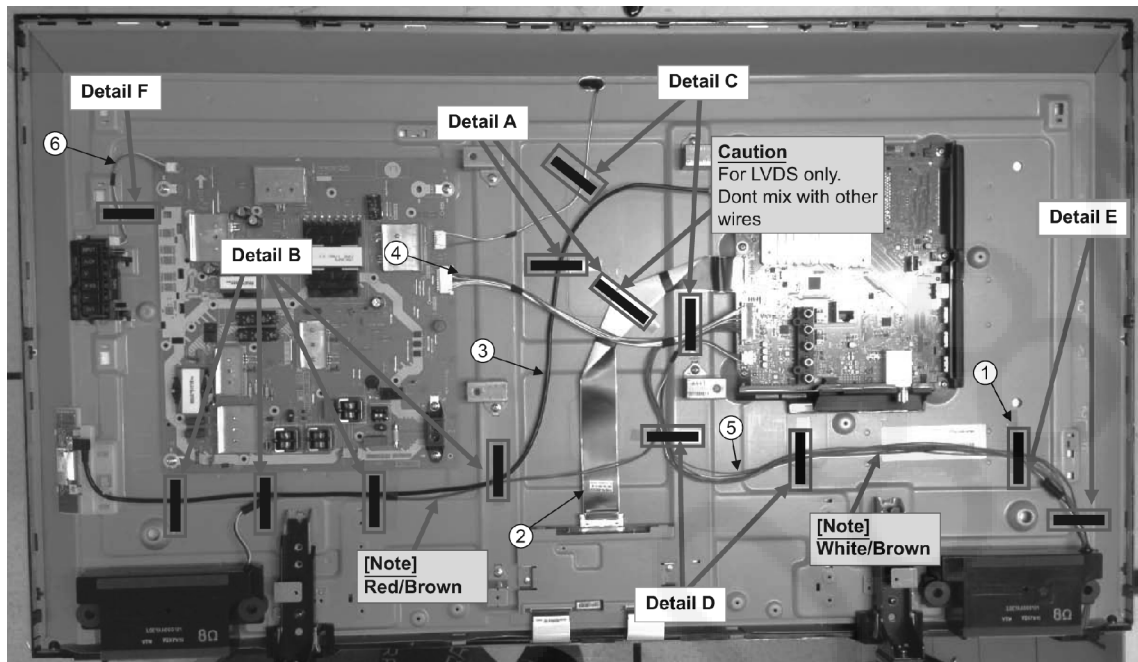
9 Block Diagram

9.1. Main Block Diagram



10 Wiring Connection Diagram

10.1. Wire Dressing 1



No	Description	Qty	UOM	Remarks
1	T4FP1005J PET TAPE	0.78	MT	13 × 0.06 mm
2	LVDS CABLE	1	PC	
3	WIFI USB CABLE/ DONGLE WIRE	1	PC	
4	WIRE (A02-P02/K10)	1	PC	
5	WIRE (A12-SP-L&R)	1	PC	
6	WIRE (P5-GK5)	1	PC	

10.2. Wire Dressing 2

BASE POINT

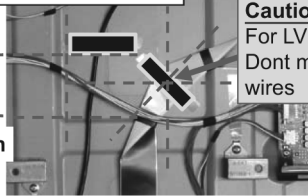
X axis: same line with edge of panel emboss
Tolerance: 0~3mm
Y axis: 5mm from edge of P-Board
Tolerance: 0~3 mm

DETAIL A

Caution

For LVDS only.
Dont mix with other wires

60 mm

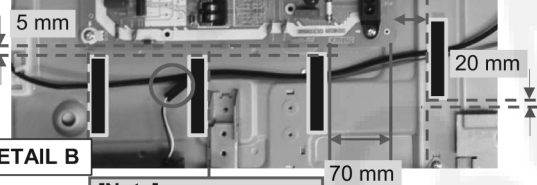


BASE POINT

Y-axis: 5mm from edge of P-Board
Tolerance: -3~0mm
X-axis: 70mm from center of speaker emboss
Tolerance: 0~3mm

BASE POINT

Y-axis: 5mm from edge of P-Board
Tolerance: 0~3mm
X-axis: 70mm from edge of P-Board
Tolerance: 0~3mm



DETAIL B

[Note]

Tape beside connector

BASE POINT

Y-axis: 20mm from edge of T-con cover
Tolerance: 0~3mm
X-axis: 25mm from edge of P-board
Tolerance: 0~3mm

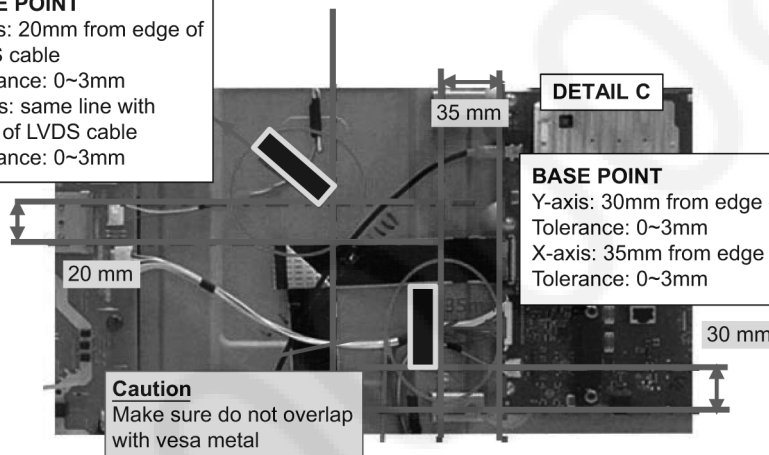
BASE POINT

Y-axis: 20mm from edge of LVDS cable
Tolerance: 0~3mm
X-axis: same line with edge of LVDS cable
Tolerance: 0~3mm

DETAIL C

BASE POINT

Y-axis: 30mm from edge of A-board
Tolerance: 0~3mm
X-axis: 35mm from edge of A-board
Tolerance: 0~3mm

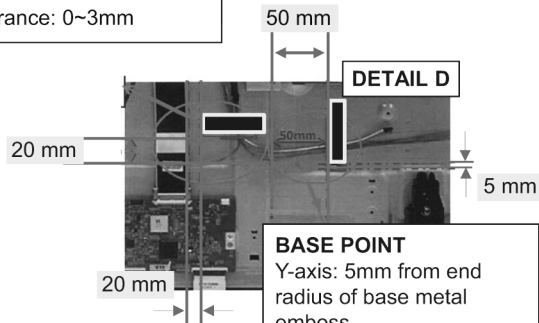


Caution

Make sure do not overlap with vesa metal

BASE POINT

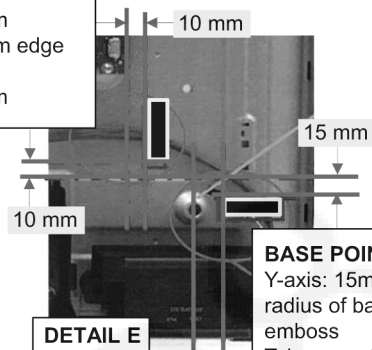
Y-axis: 20mm from end
radius of base
Tolerance: 0~3mm
X-axis: 20mm from edge
of LVDS
Tolerance: 0~3mm

**BASE POINT**

Y-axis: 5mm from end
radius of base metal
emboss
Tolerance: 0~3mm
X-axis: 50mm from end
radius of base metal
emboss
Tolerance: 0~3mm

BASE POINT

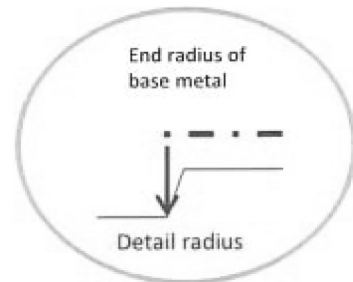
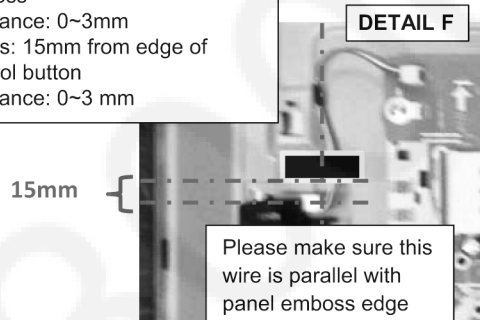
Y-axis: 10mm from end
radius of base metal
emboss
Tolerance: 0~3mm
X-axis: 10mm from edge
of A-board
Tolerance: 0~3mm

**BASE POINT**

Y-axis: 15mm from end
radius of base metal
emboss
Tolerance: 0~3mm
X-axis: 10mm from
center of speaker emboss
Tolerance: 0~3mm

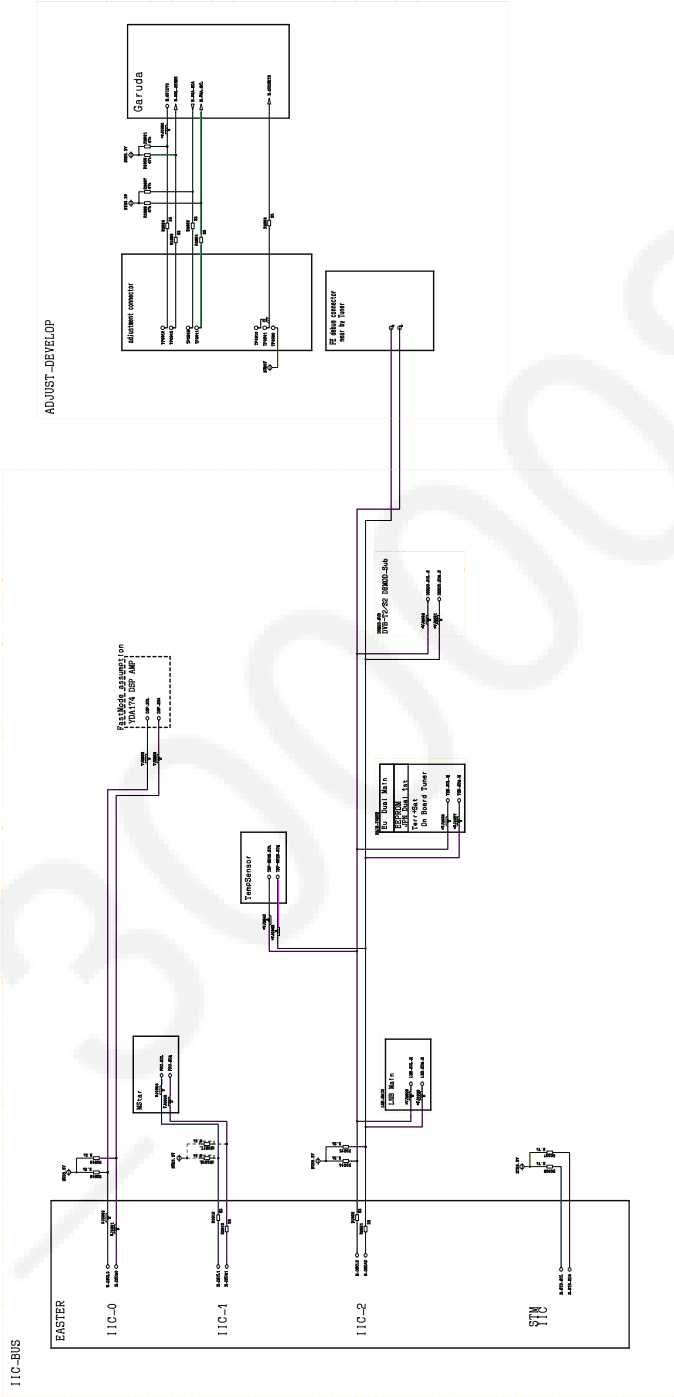
BASE POINT

X axis: center with panel edge
emboss
Tolerance: 0~3mm
Y axis: 15mm from edge of
control button
Tolerance: 0~3 mm

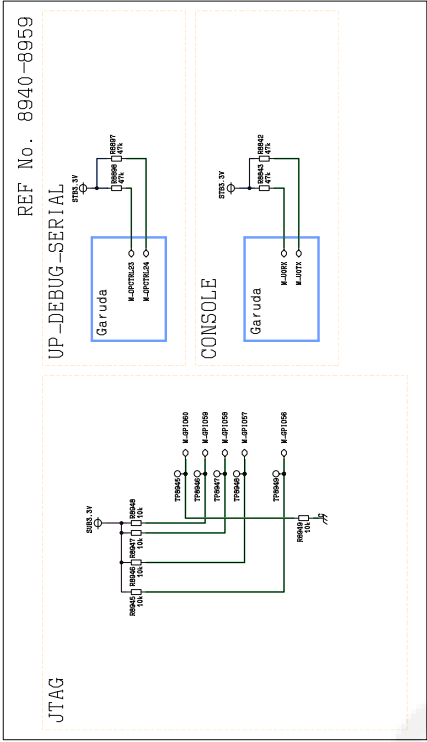


11 Schematic Diagram

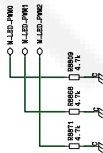
Model No. : TH-43FX500V A-Board (1/19)



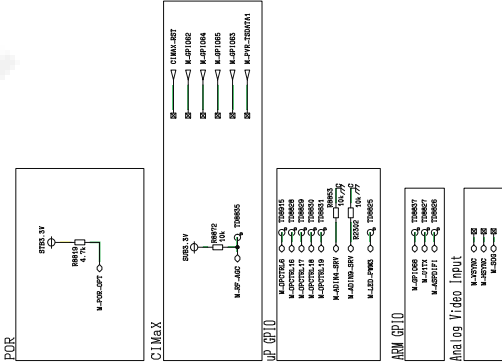
DEBUG



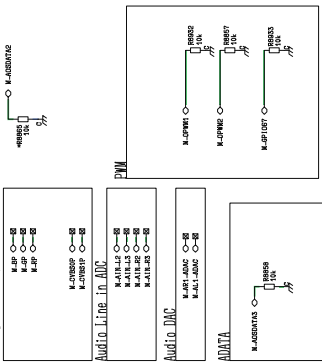
PIN_STRAPPING



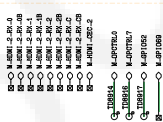
PIN_TERMINATION



Analog Video Input



NO-USE

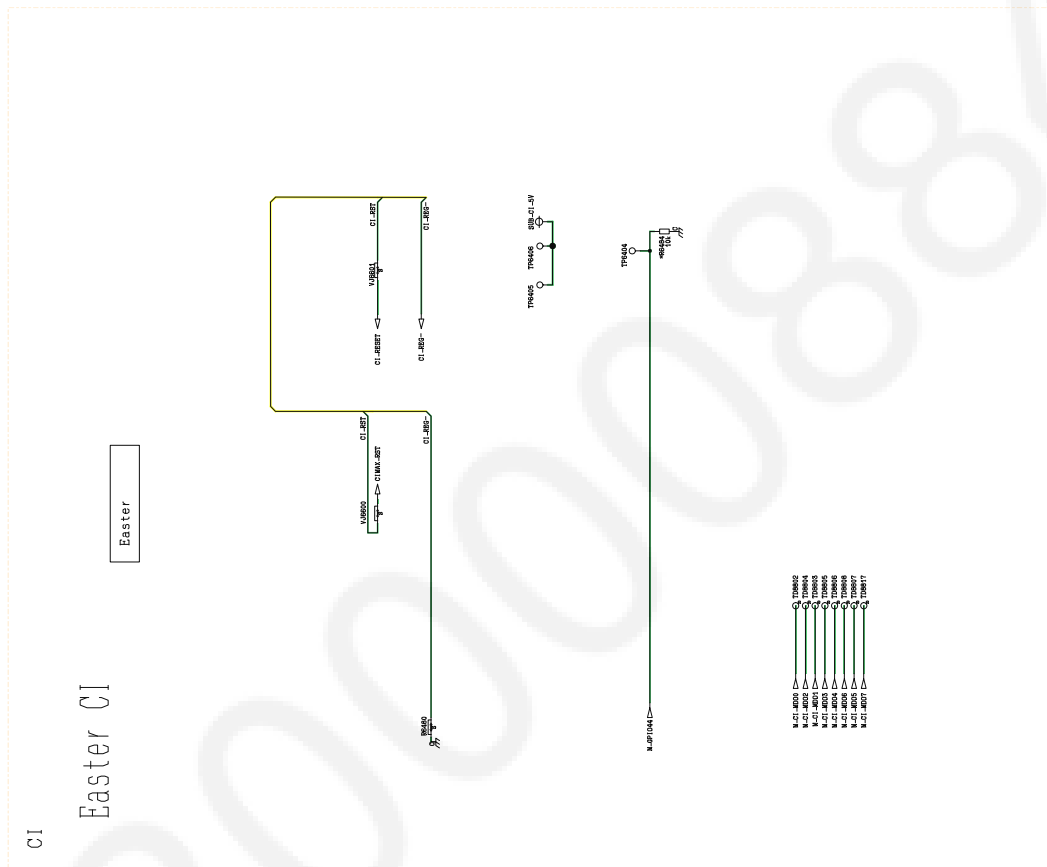


SHEET 005
EASTER-OTHER
REF No. 8800 - 8899

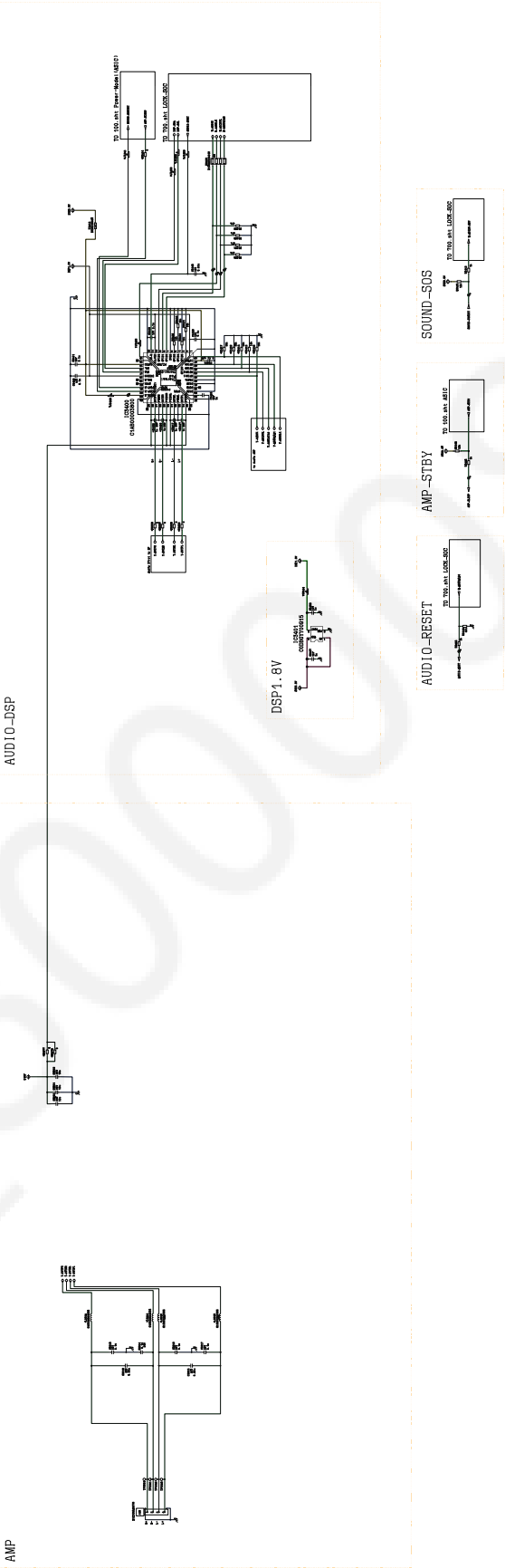
CLIB-CAS

REF No. 8400 - 8449

6699 - 0059



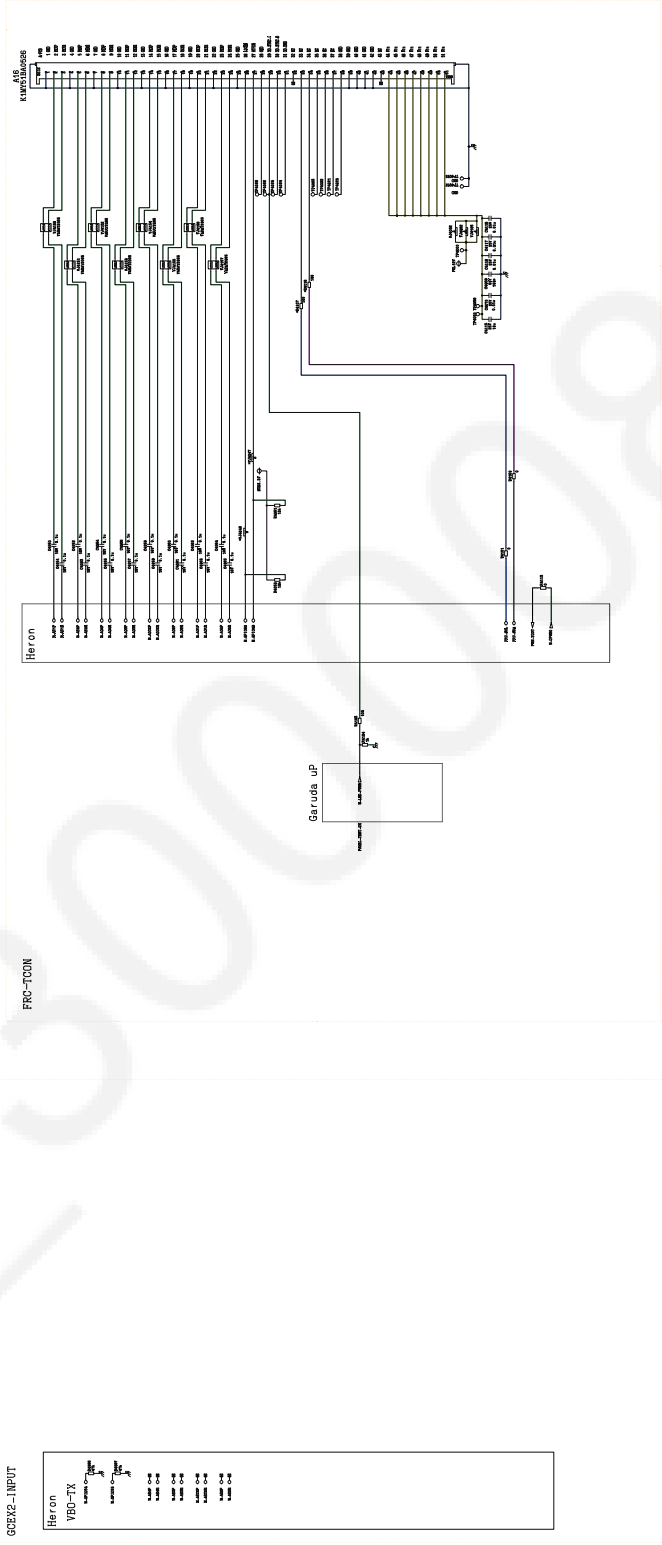
SHEET 007
AUDIO AMP/AUDIO-DSP
REF No. 3400 - 3999



SHEET 009
VBO
REF No. 4000 - 4199

To PANEL (VbyOne)

To GCEX2 (VbyOne)



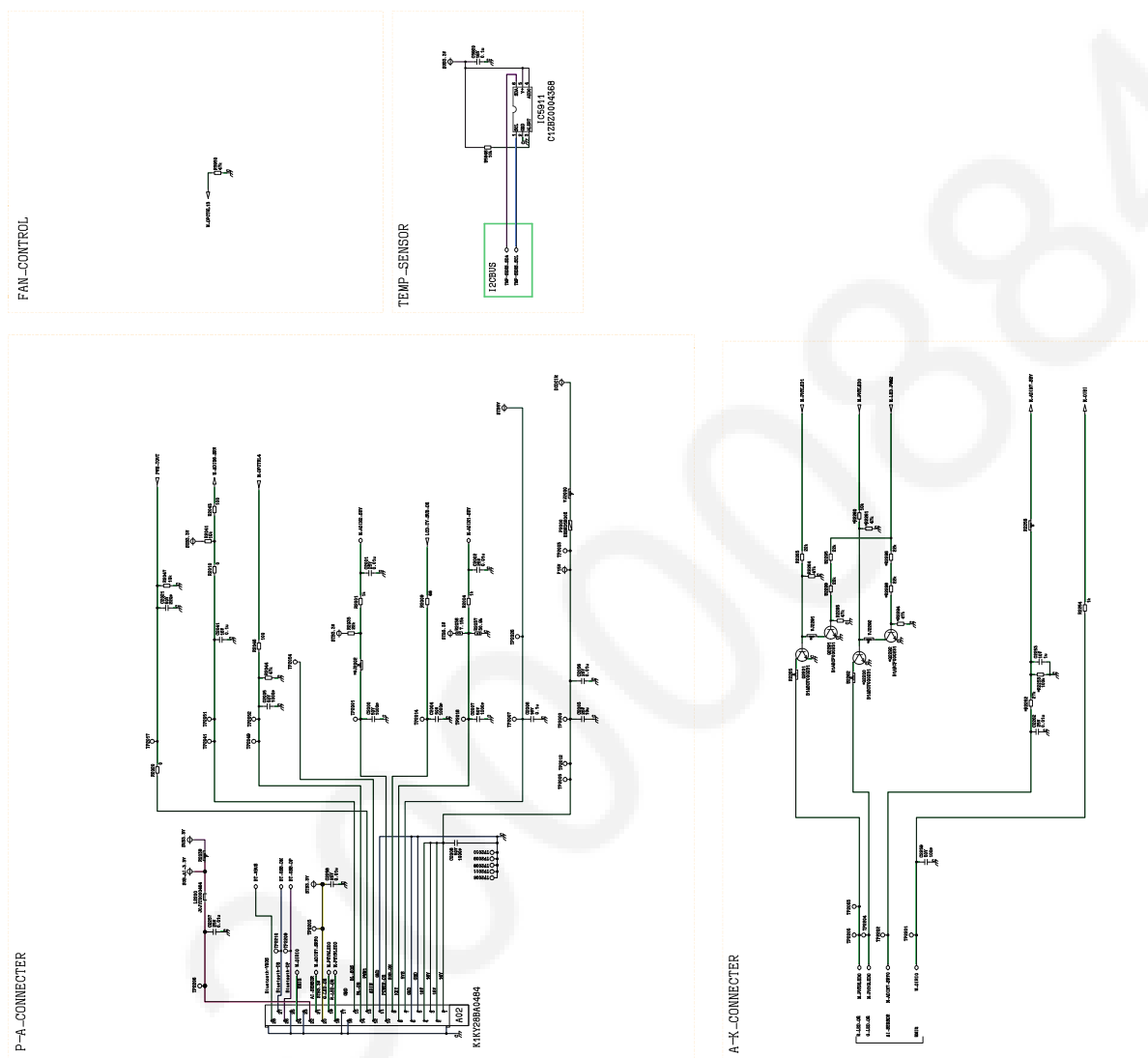
SHEET 101

521

REF No. 2000 - 2299

FAN

REF No. 5900 - 5949



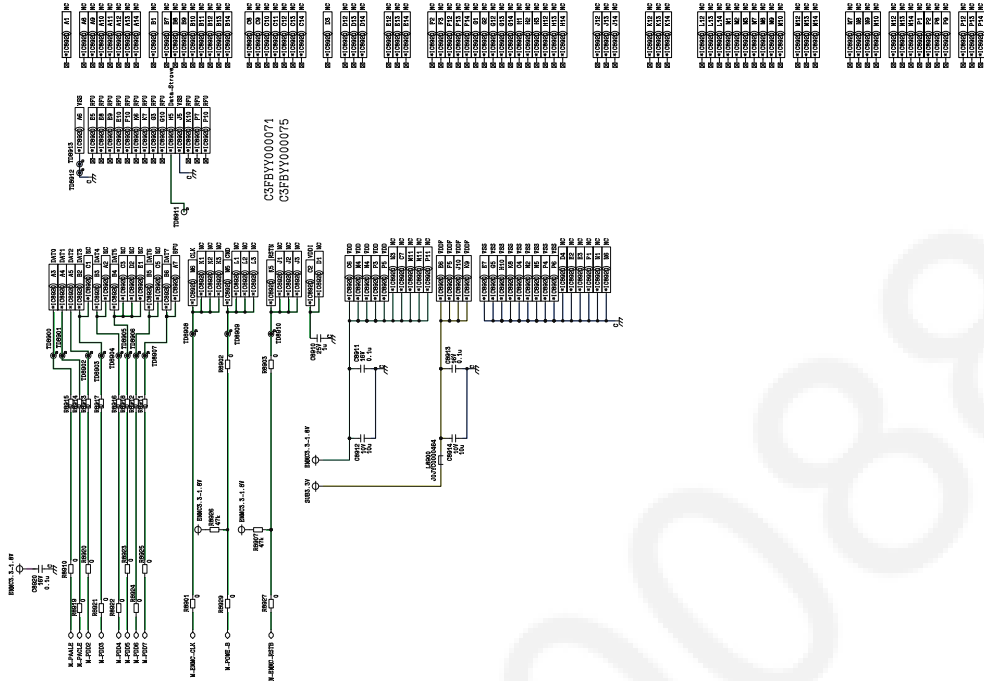
EMMC

eMMC

REF No. 8920-8939

e-MMC 4GB

SHEET 300
COMMON-EMMC/SPC/EEPROM/JTAG
REF No. 8900 - 8949

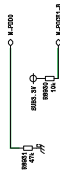


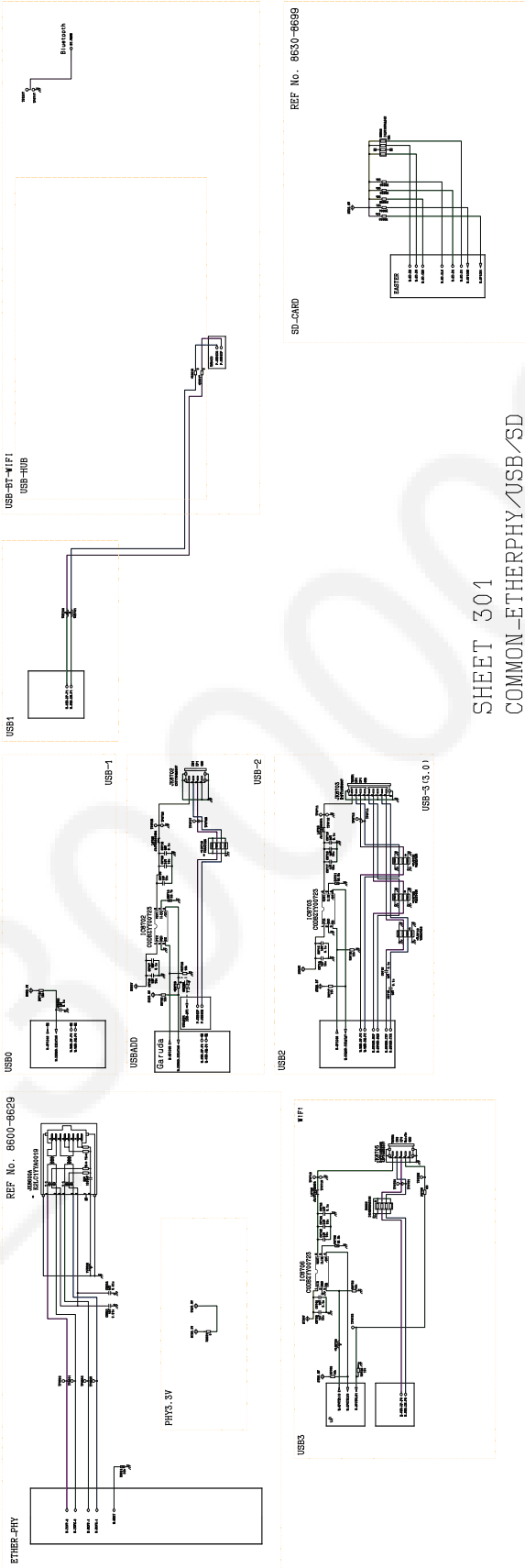
EX-BUS

SPC SUPPORT_CARD REF No. 8940-8959

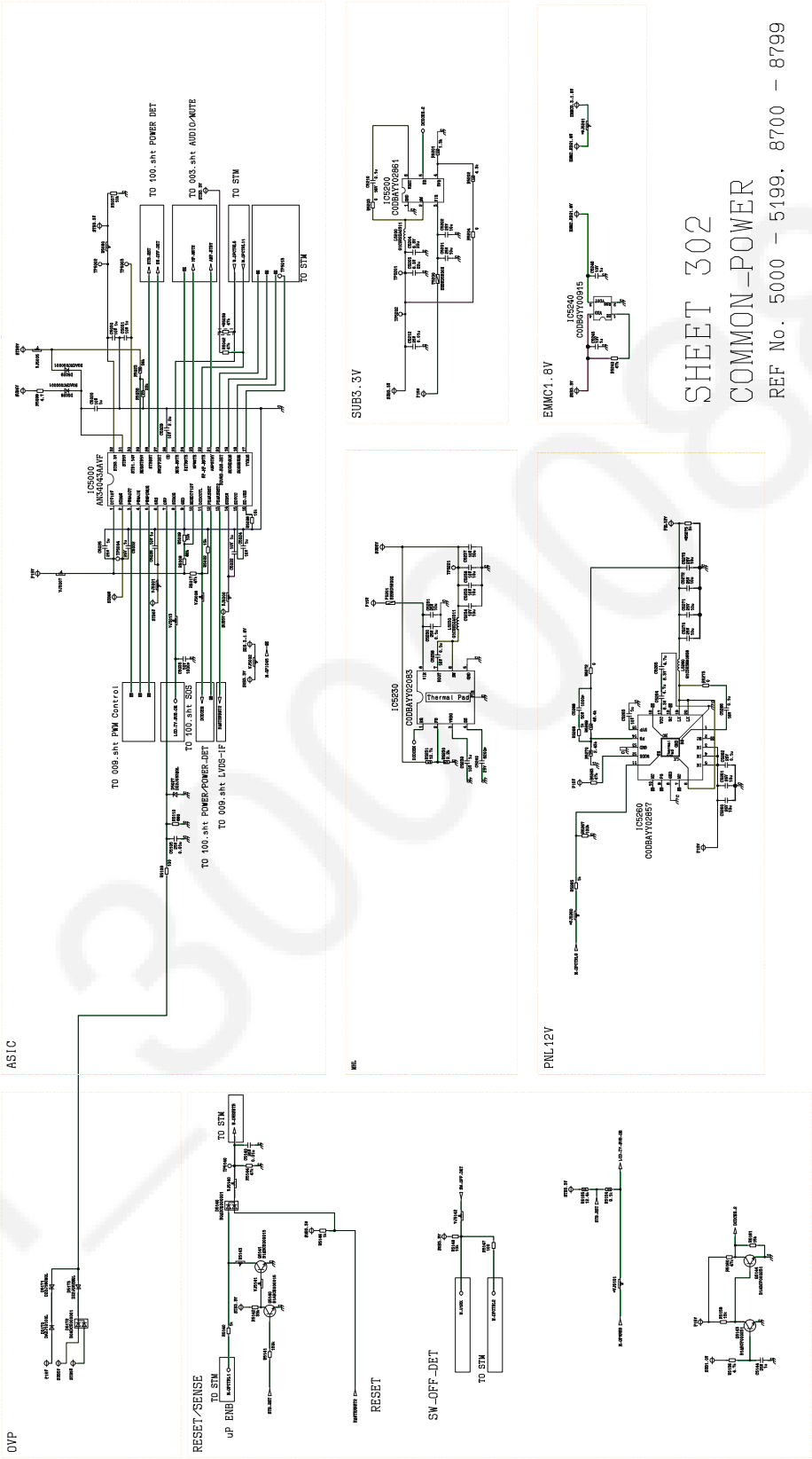
MTX ReferenceBoard Connector

(<=) MTX ReferenceBoard





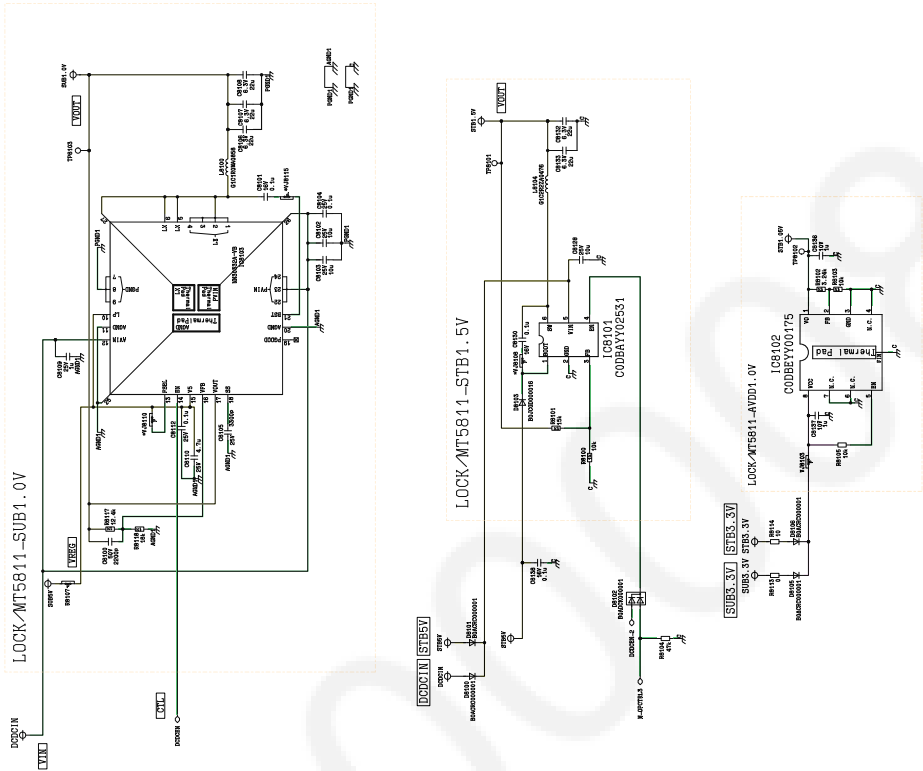
SHEET 301
COMMON-ETHERPHY/USB/SD
REF No. 8600 - 8799



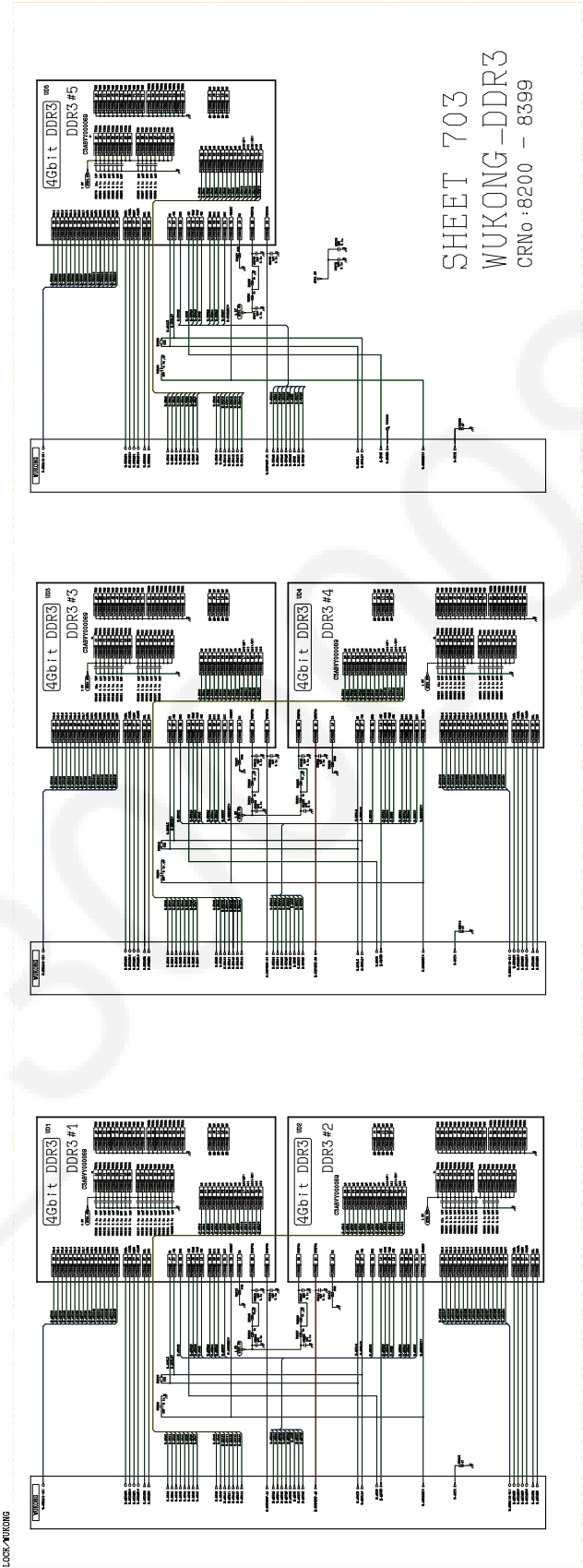
SHEET 302
COMMON-POWER

REF No. 5000 - 5199, 8700 - 8799

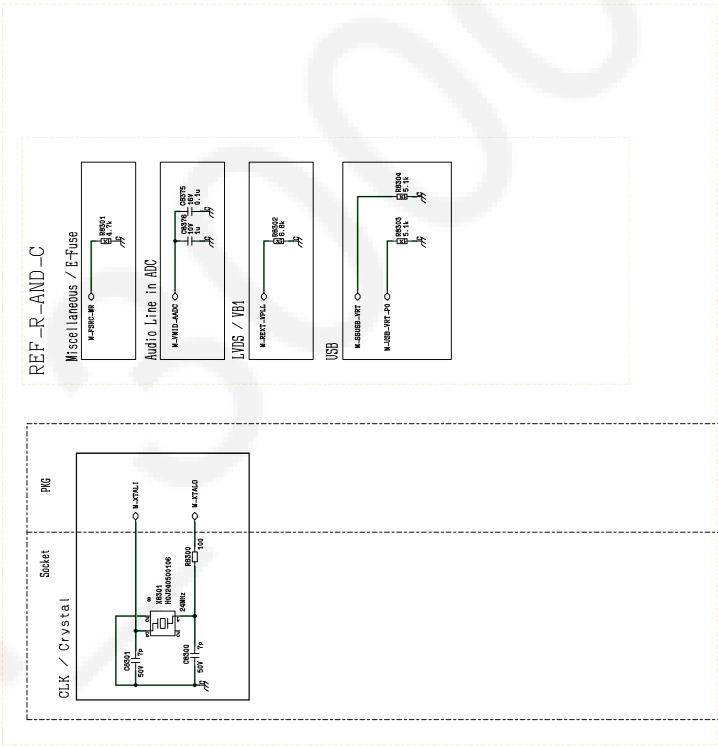




SHEET 702
WUKONG-DCDC
CRNo:8100 - 8199



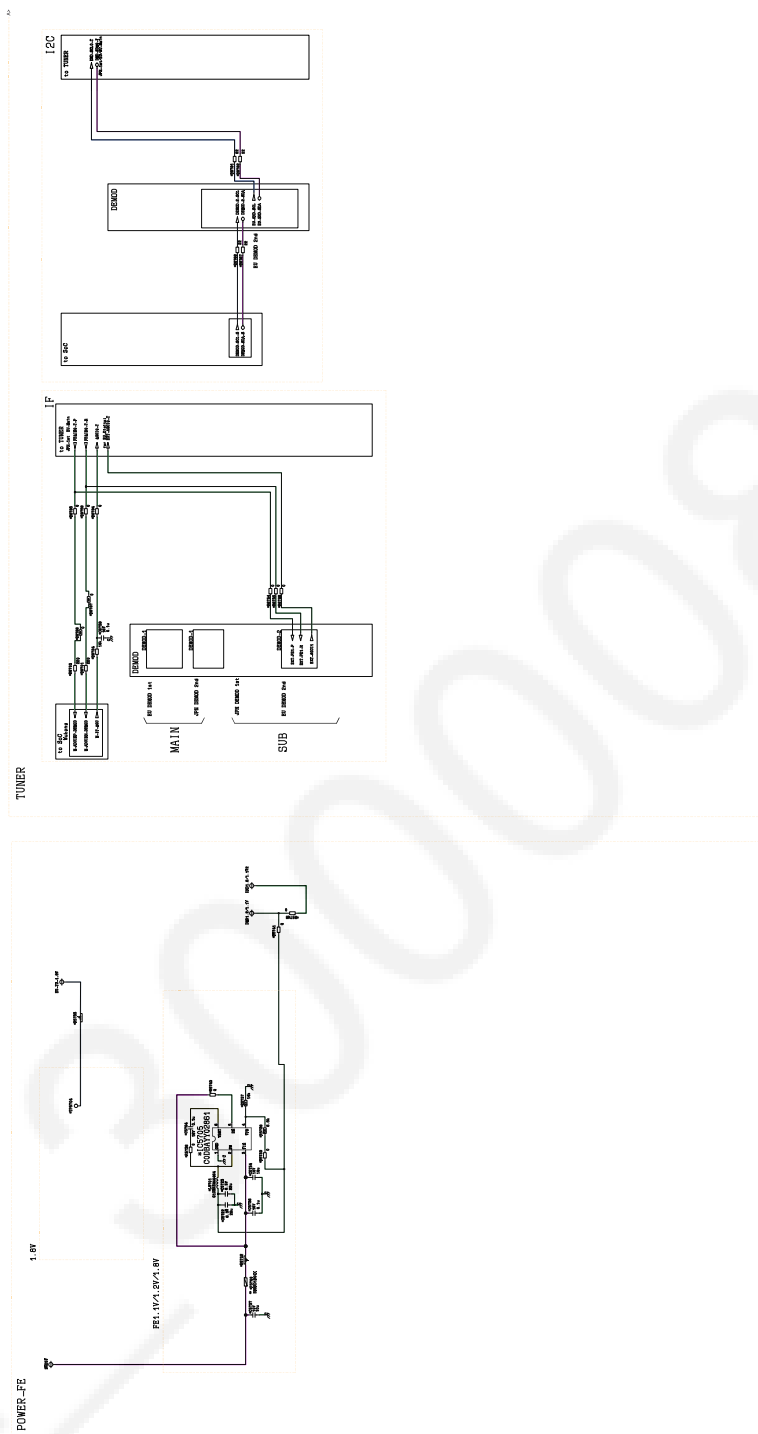
LOCK/WUKONG



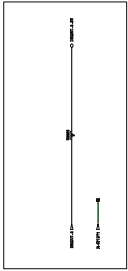
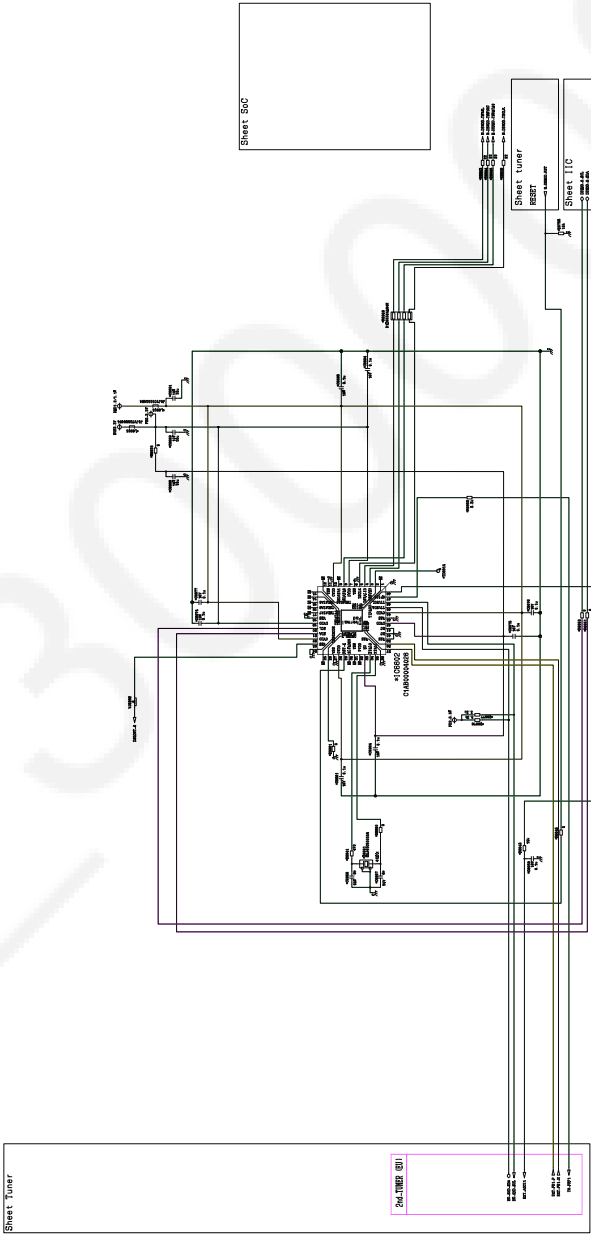
SHEET 704
WUKONG-DEST
CRN0 : 8300 - 8349

SHEET 706
TUNER

CRN0 : 5700 - 5899
6700 - 6999



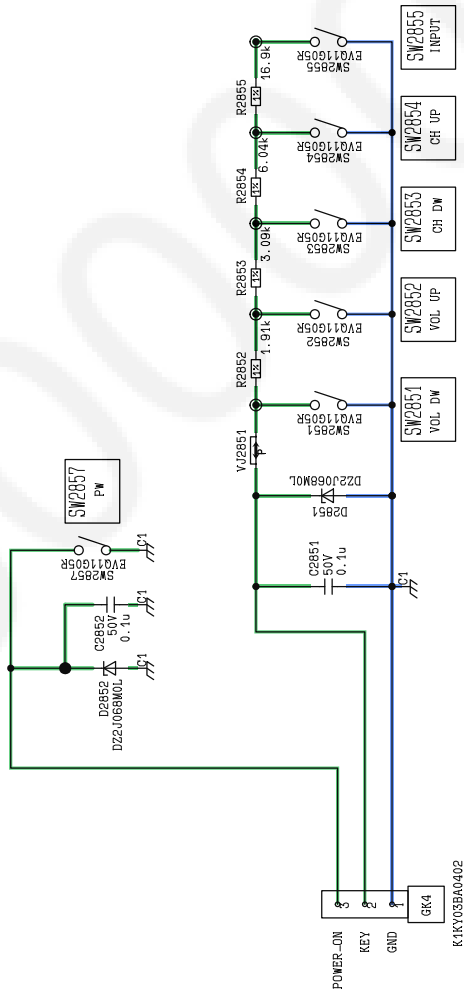
Demod-2 (Sub)
ISDB-T/S-DVB-T2/T-C/S/S2



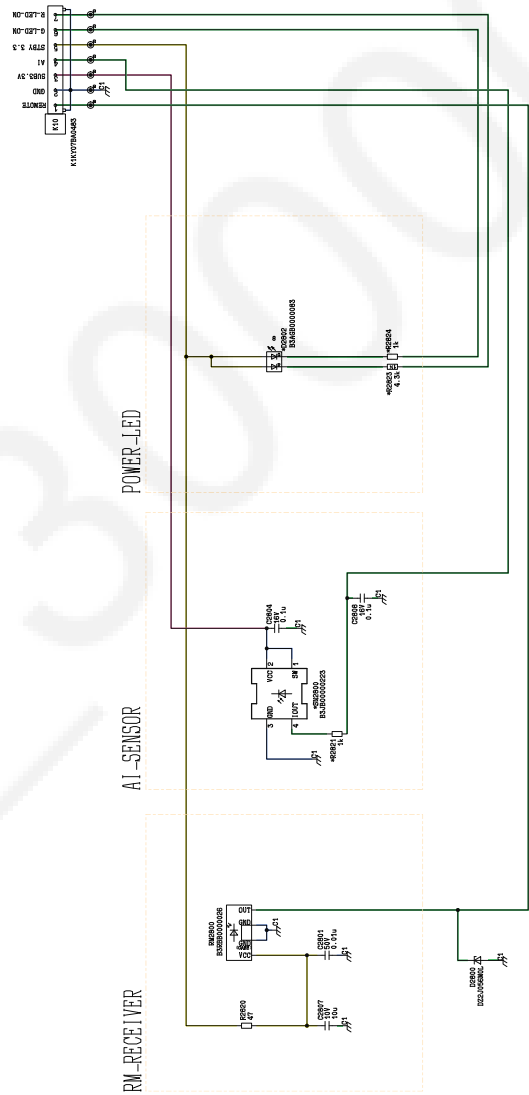
SHEET 707
DEMOM

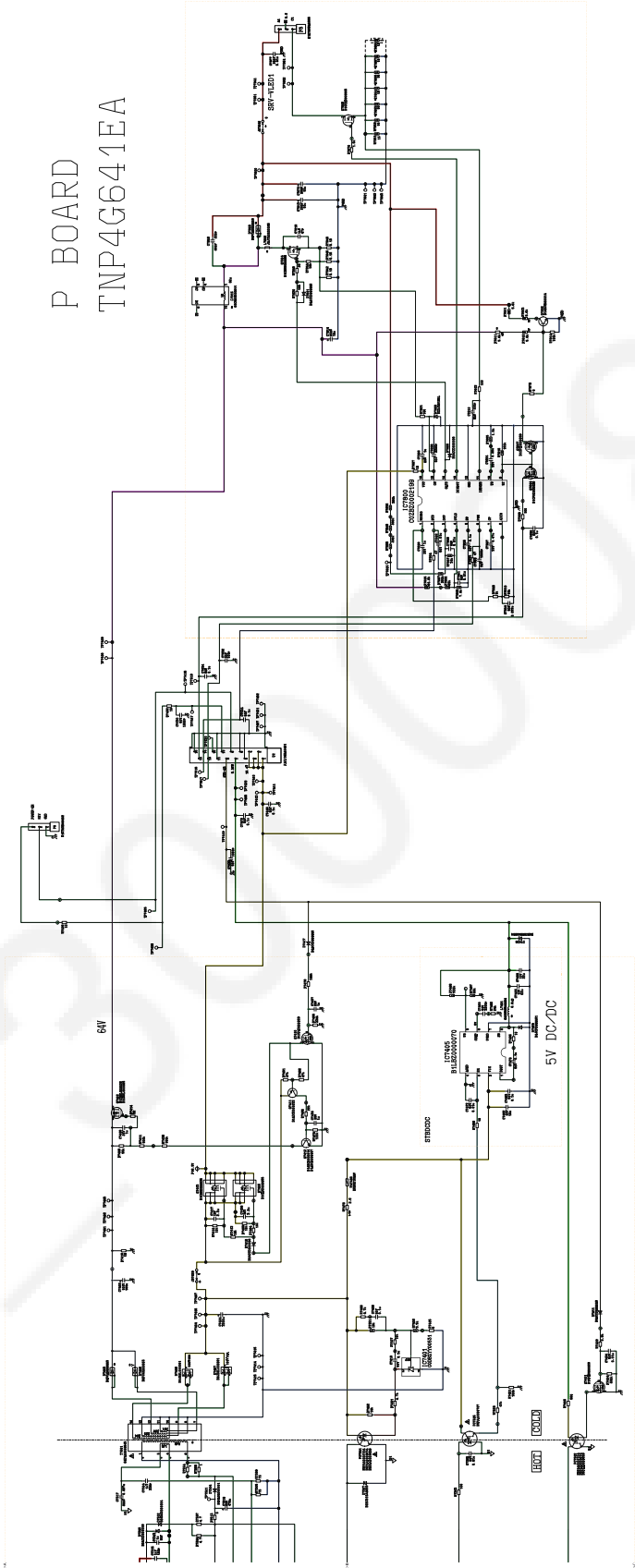
REF No. 6800 - 6949

GK BOARD
TNP A6768AA
CRNo. : 2850~2879



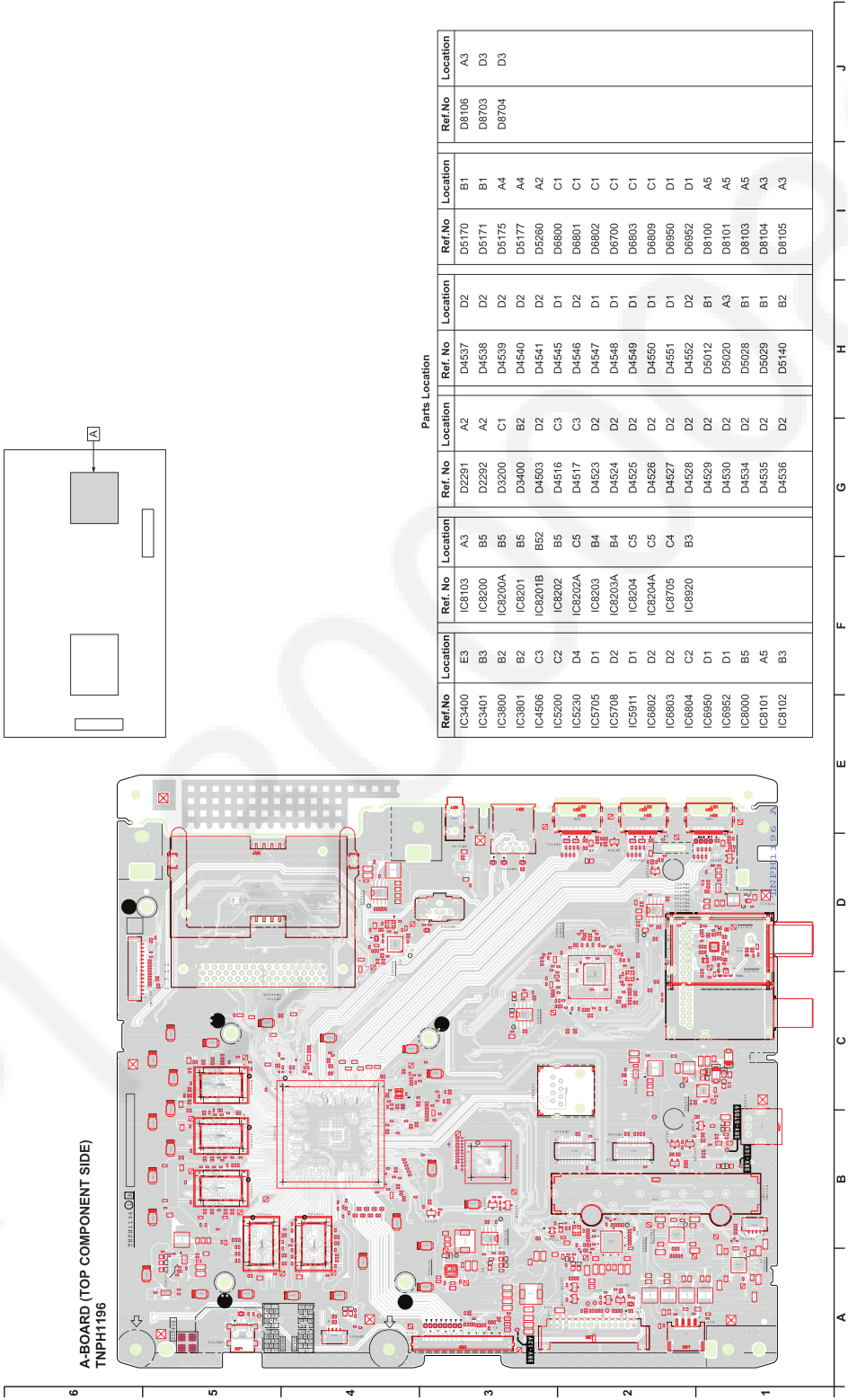
K BOARD
TNP A6410AA
CRNo. : 2800~2829

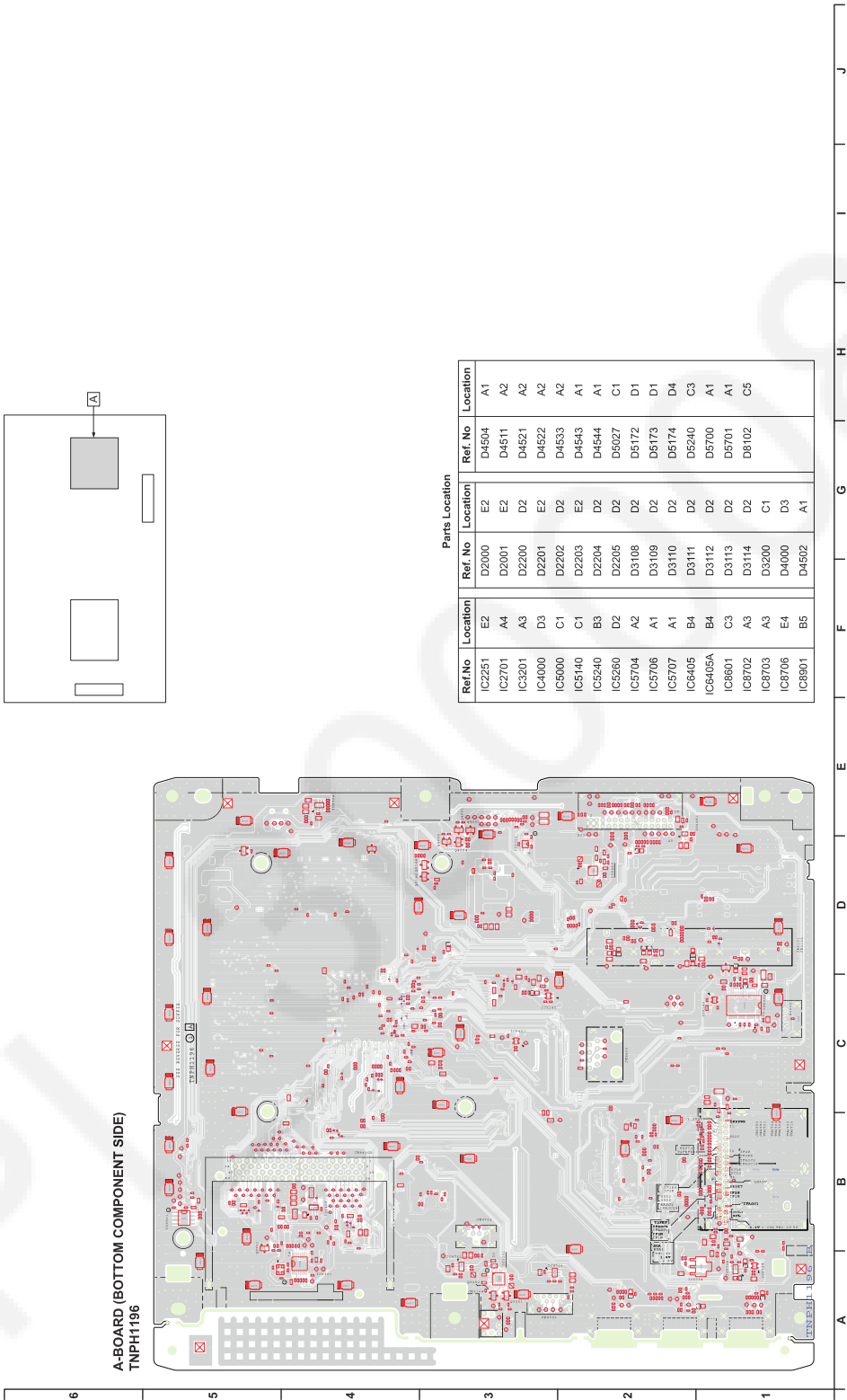


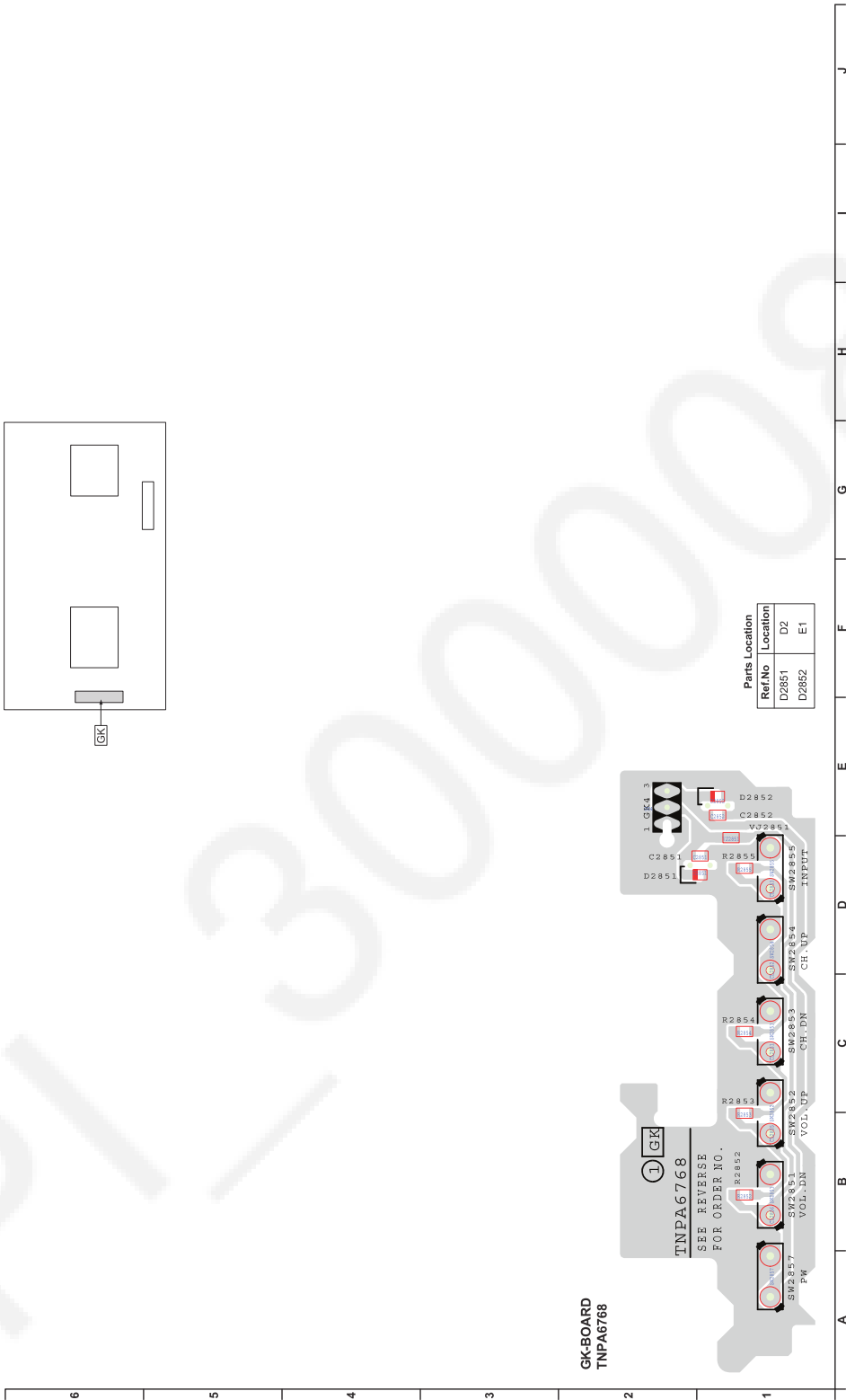


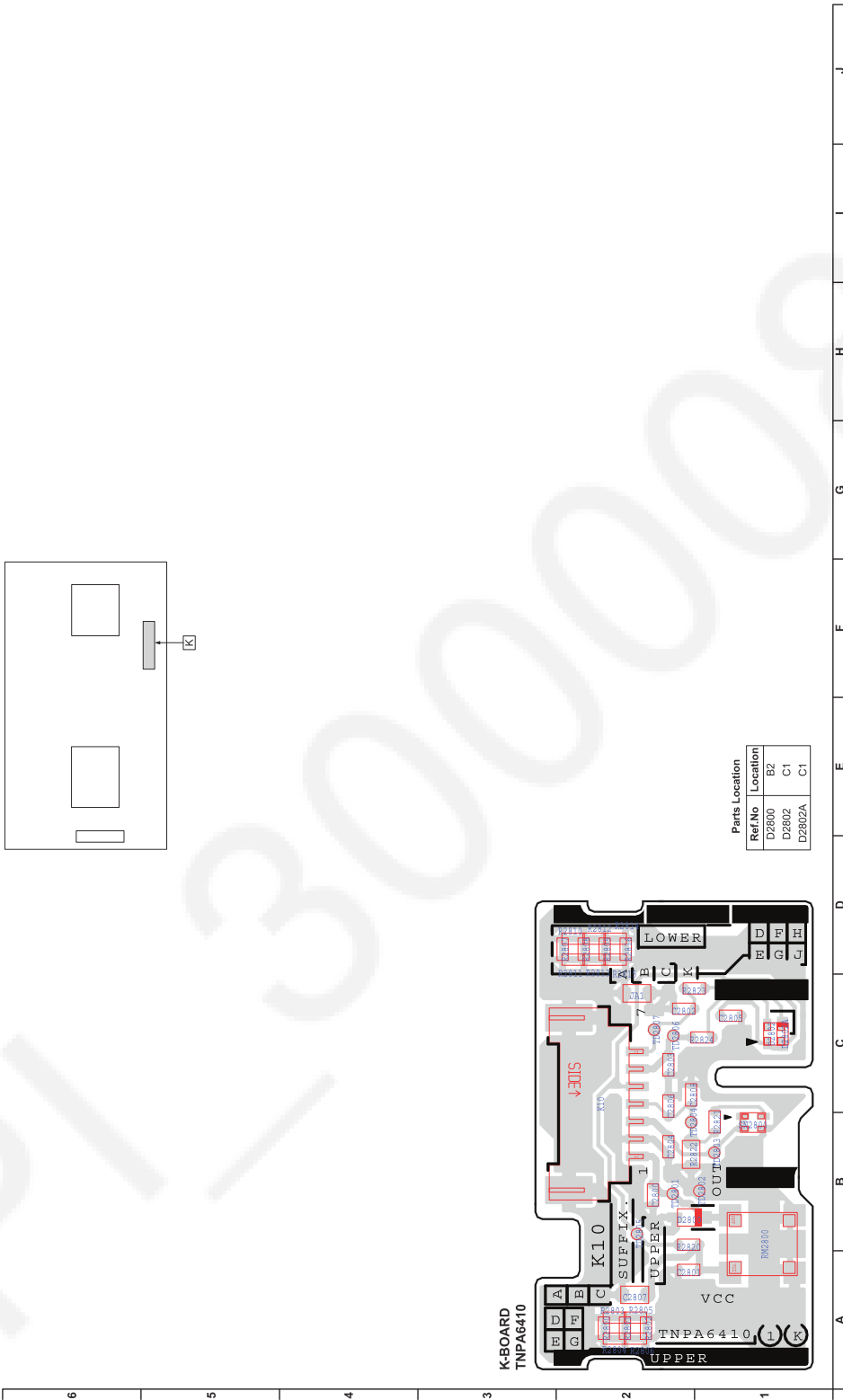
12 Printed Circuit Board

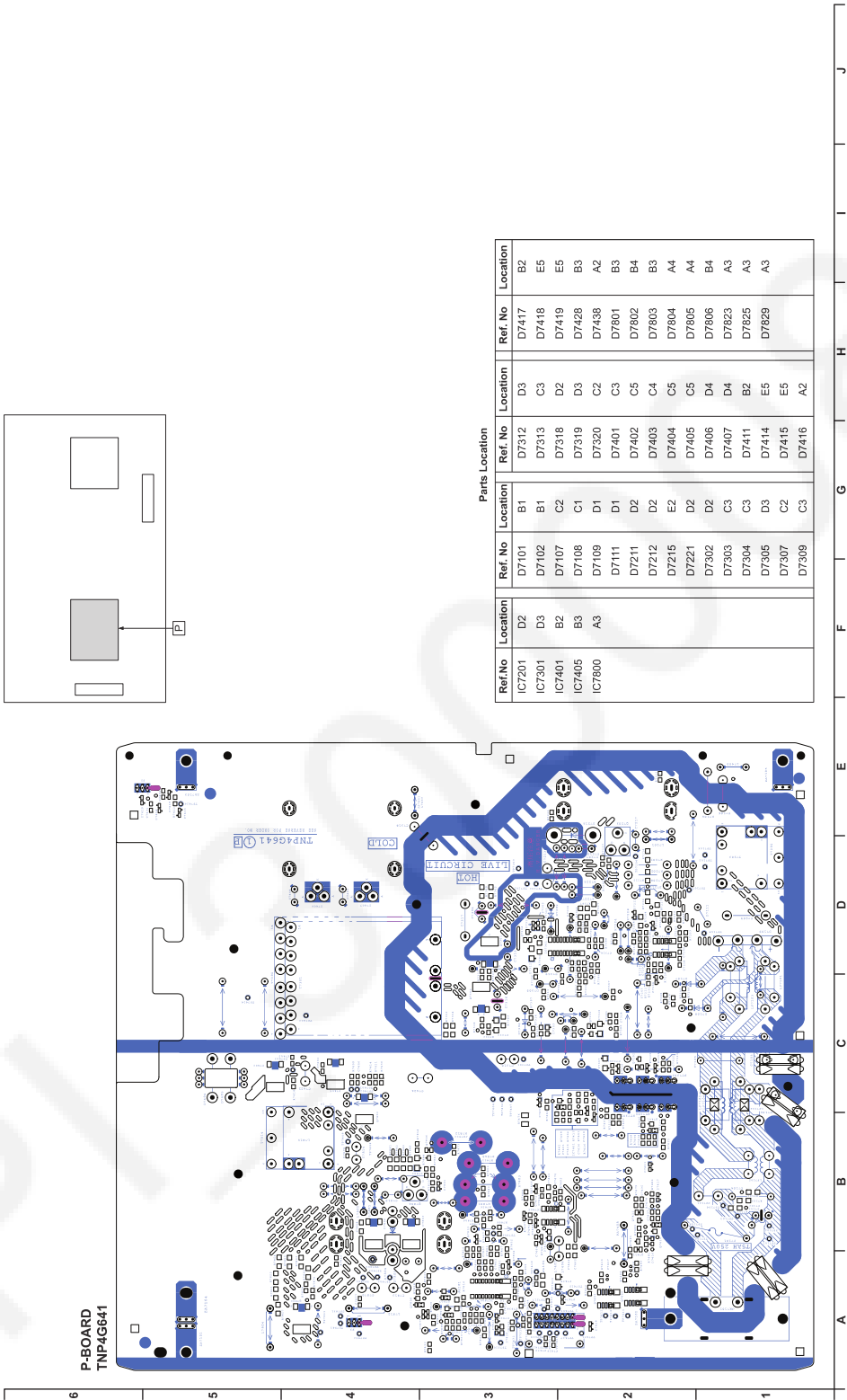
Model No. : TH-43FX500V A-Board (Top Component Side)





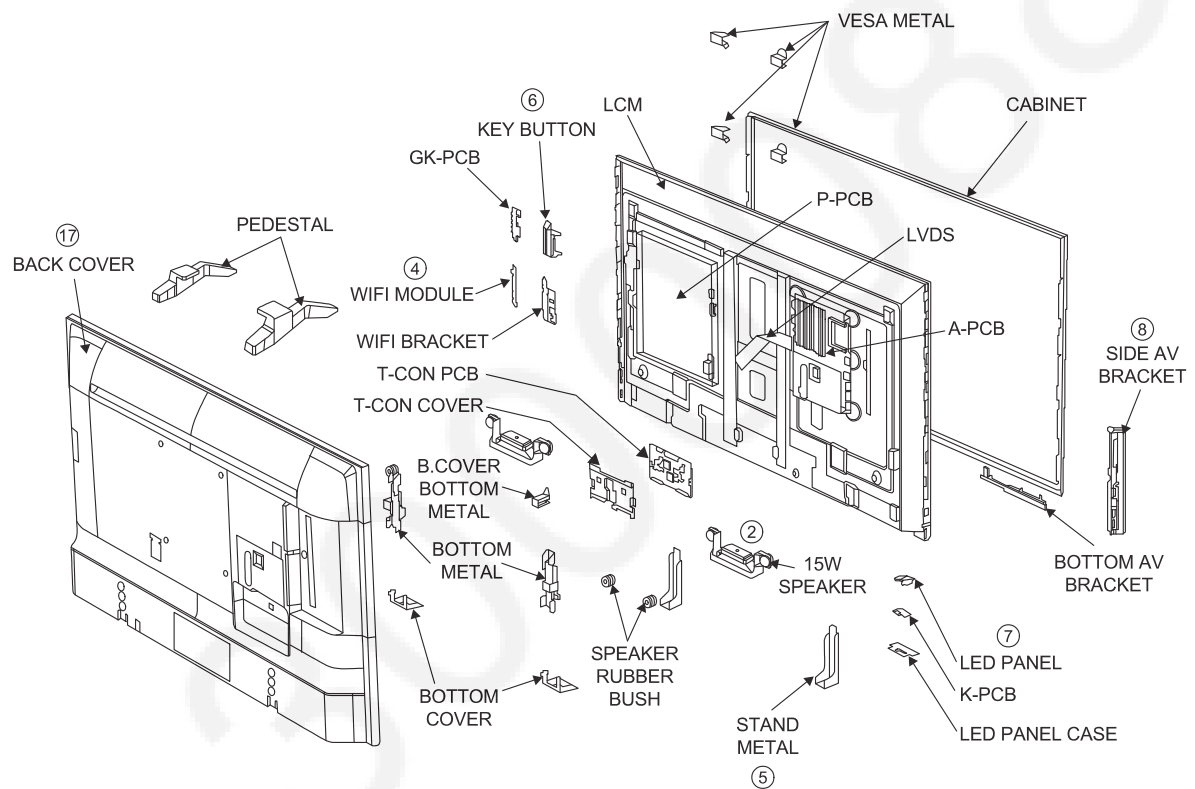




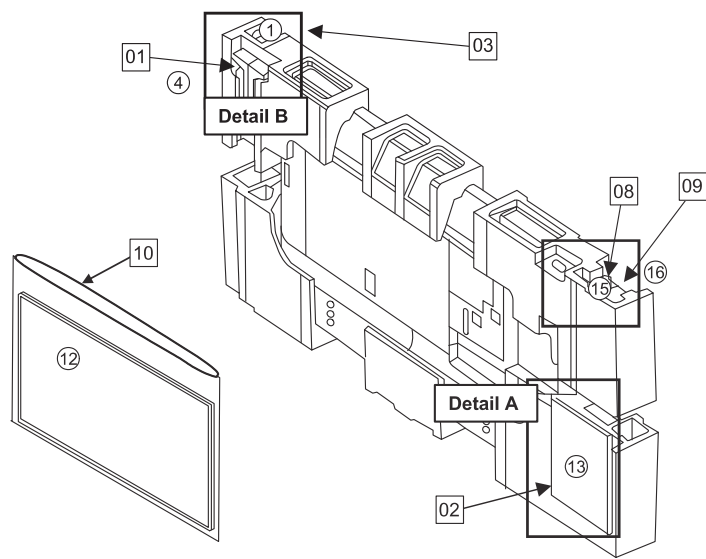


13 Exploded View and Replacement Parts List

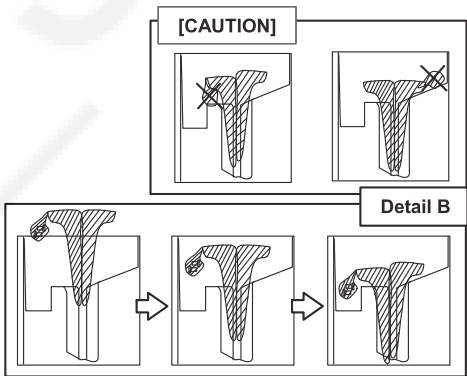
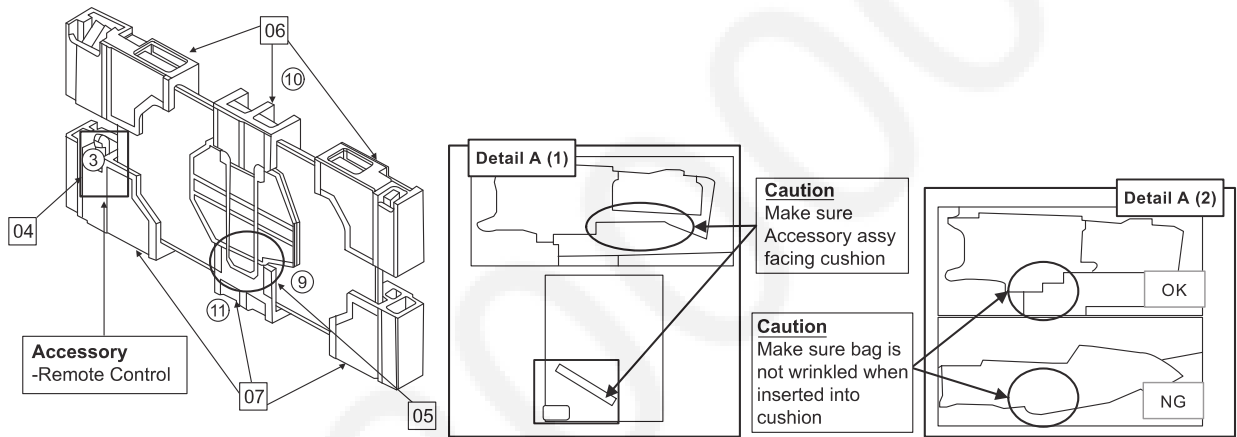
Model No. : TH-43FX500V Parts Location



Model No. : TH-43FX500V Packing Exploded View 1

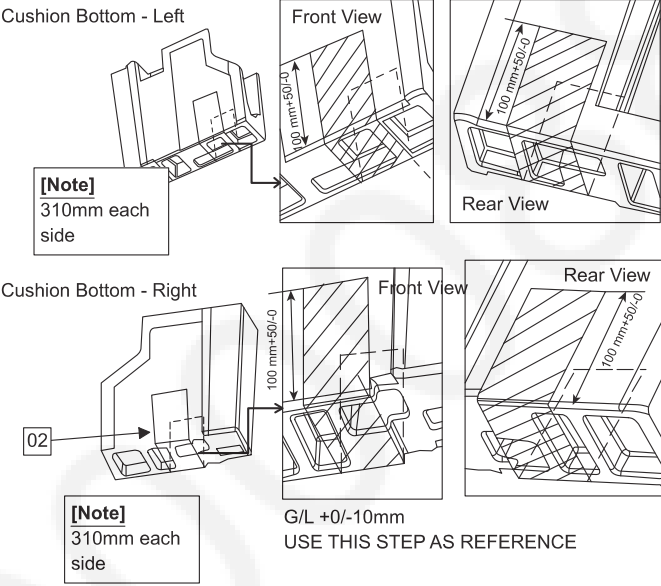
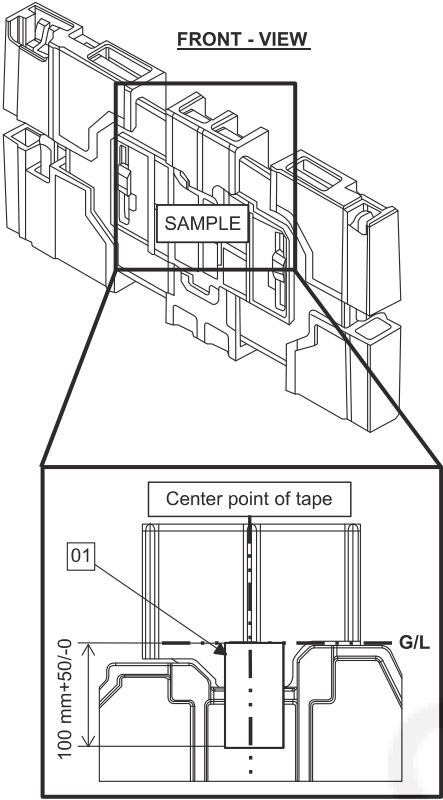


No.	Description	Qty	UOM
01	STAND_METAL_ASSY	1	PC
02	FAN BAG ASSY	1	PC
03	AC CORD	1	PC
04	REMOTE_TRANSMITTER	1	PC
05	CUSHION_FRONT	1	PC
06	CUSHION_TOP	1	PC
07	CUSHION_BOTTOM	1	PC
08	PEDESTAL_ASS'Y-L	1	PC
09	PEDESTAL_ASS'Y-R	1	PC
10	SET BAG	1	PC



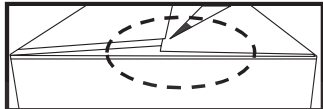
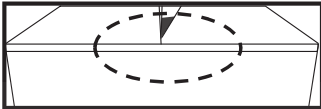
Model No. : TH-43FX500V Packing Exploded View 2

No.	Description	Qty	UOM
01	PP_TAPE	0.1	MT
02	PP TAPE (TOP 1.45/BTM 2.07)	0.62	MT



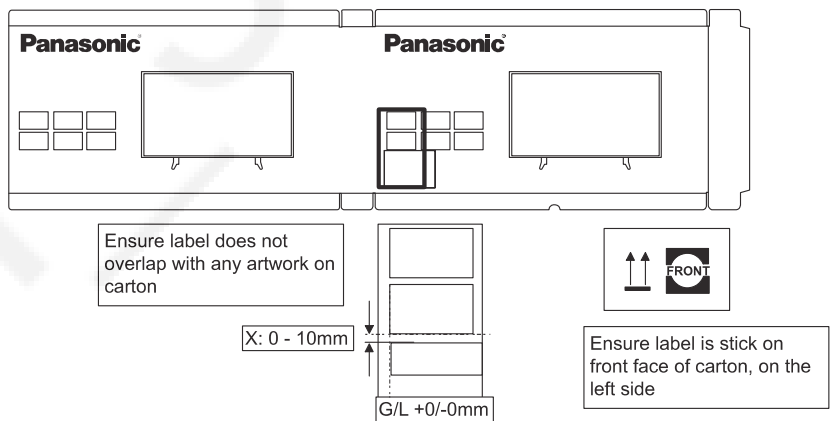
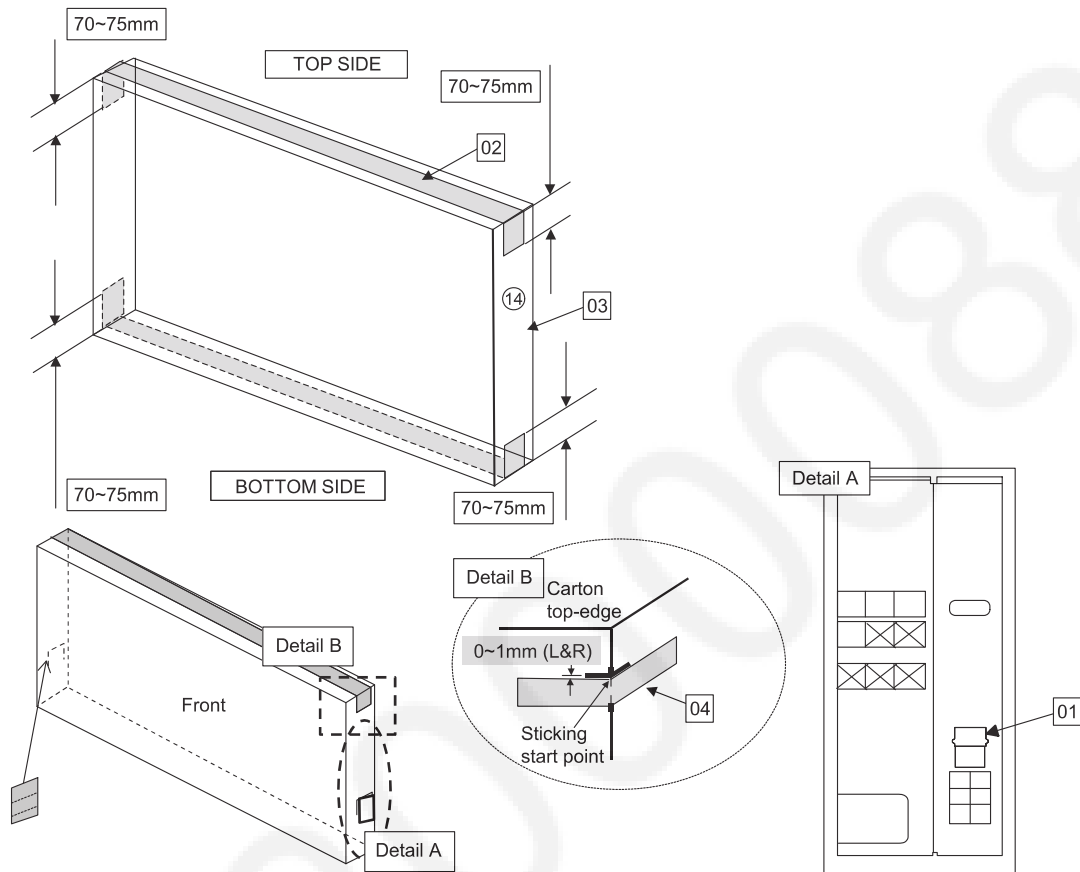
Model No. : TH-43FX500V Packing Exploded View 3

Caution point :
Need to make sure packing case top & bottom isn't **overlap** and **bending**.



OK NG

No.	Description	Qty	UOM
01	LABEL_COMBINATION	1	PC
02	PP TAPE (TOP 1.45/BTM 2.07)	2.88	MT
03	CARTON ASSY	1	PC
04	CARTON_LABEL	1	PC



Model No. : TH-43FX500V Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
CAPACITORS						
		C2000	FlG1H102A830	C 1000PF, 50V		
		C2001	FlG1E103A144	C 0.01UF, 25V		
		C2002	FlG1E103A144	C 0.01UF, 25V		
		C2003	FlK1E106A167	C 10UF, 25V		
		C2004	FlG1H102A830	C 1000PF, 50V		
		C2005	FlG1H102A830	C 1000PF, 50V		
		C2006	FlG1C104A146	C 0.1UF, 16V		
		C2007	FlG1H102A830	C 1000PF, 50V		
		C2008	FlG1H102A830	C 1000PF, 50V		
		C2021	FlG1H221A834	C 220PF, 50V		
		C2041	FlG1C104A146	C 0.1UF, 16V		
		C2056	FlG1E103A144	C 0.01UF, 25V		
		C2253	FlG1A105A107	C 1UF, 10V		
		C2257	FlG1E103A144	C 0.01UF, 25V		
		C2258	FlG1E103A144	C 0.01UF, 25V		
		C2259	FlG1H101A834	C 100PF, 50V		
		C2262	FlG1E103A144	C 0.01UF, 25V		
		C2801	FlH1H103B047	C 0.01UF, 50V		
		C2804	FlH1C104A178	C 0.1UF, 16V		
		C2807	FlJ1A106A087	C 10UF, 10V		
		C2808	FlH1C104A178	C 0.1UF, 16V		
		C2851	FlJ1H104A902	C 0.1UF, 50V		
		C2852	FlJ1H104A902	C 0.1UF, 50V		
		C3103	FlG1C104A146	C 0.1UF, 16V		
		C3109	FlG1H101A948	C 100PF, 50V		
		C3110	FlG1H101A948	C 100PF, 50V		
		C3111	FlG1H101A948	C 100PF, 50V		
		C3112	FlG1H152A946	C 1500PF, 50V		
		C3113	FlG1C103A173	C 0.01UF, 16V		
		C3114	FlG1C103A173	C 0.01UF, 16V		
		C3115	FlG1C103A173	C 0.01UF, 16V		
		C3116	FlG1C103A173	C 0.01UF, 16V		
		C3117	FlG1A105A107	C 1UF, 10V		
		C3124	FlG1A105A107	C 1UF, 10V		
		C3125	FlG1A105A107	C 1UF, 10V		
		C3127	FlG1A473A079	C 0.047UF, 10V		
		C3128	FlG1H471A834	C 470PF, 50V		
		C3129	FlG1H471A834	C 470PF, 50V		
		C3134	FlG1C104A146	C 0.1UF, 16V		
		C3135	FlG1C104A146	C 0.1UF, 16V		
		C3161	FlG1H101A948	C 100PF, 50V		
		C3162	FlG1H101A948	C 100PF, 50V		
		C3163	FlG1H101A948	C 100PF, 50V		
		C3164	FlG1H101A948	C 100PF, 50V		
		C3166	FlG1H470A948	C 47PF, 50V		
		C3167	FlG1H470A948	C 47PF, 50V		
		C3168	FlG1H470A948	C 47PF, 50V		
		C3200	FlG1C104A146	C 0.1UF, 16V		
		C3201	FlH1A225A051	C 2.2UF, 10V		
		C3202	FlH1A225A051	C 2.2UF, 10V		
		C3203	FlJ1A106A087	C 10UF, 10V		
		C3205	FlG1A105A107	C 1UF, 10V		
		C3206	FlG1A105A107	C 1UF, 10V		
		C3400	FlG1C104A146	C 0.1UF, 16V		
		C3401	FlG1C104A146	C 0.1UF, 16V		
		C3402	FlG1C104A146	C 0.1UF, 16V		
		C3403	FlG1C104A146	C 0.1UF, 16V		
		C3404	FlG1C104A146	C 0.1UF, 16V		
		C3405	FlH1C105A167	C 1UF, 16V		
		C3407	FlJ1E105A287	C 1UF, 25V		
		C3417	FlJ1E105A287	C 1UF, 25V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C3426	FlJ1E105A287	C 1UF, 25V		
		C3432	FlJ1E105A287	C 1UF, 25V		
		C3437	FlG1A105A107	C 1UF, 10V		
		C3438	FlG1A105A107	C 1UF, 10V		
		C3443	FlG1C103A173	C 0.01UF, 16V		
		C3800	FlK1E106A167	C 10UF, 25V		
		C3801	FlK1E106A167	C 10UF, 25V		
		C3802	FlK1E106A167	C 10UF, 25V		
		C3812	FlJ1E224A272	C 0.22UF, 25V		
		C3813	FlH1E104A161	C 0.1UF, 25V		
		C3814	FlH1E104A161	C 0.1UF, 25V		
		C3815	FlJ1E224A272	C 0.22UF, 25V		
		C3816	FlH1E104A161	C 0.1UF, 25V		
		C3817	FlH1E104A161	C 0.1UF, 25V		
		C4050	FlG1C104A146	C 0.1UF, 16V		
		C4051	FlG1C104A146	C 0.1UF, 16V		
		C4052	FlG1C104A146	C 0.1UF, 16V		
		C4053	FlG1C104A146	C 0.1UF, 16V		
		C4054	FlG1C104A146	C 0.1UF, 16V		
		C4055	FlG1C104A146	C 0.1UF, 16V		
		C4056	FlG1C104A146	C 0.1UF, 16V		
		C4057	FlG1C104A146	C 0.1UF, 16V		
		C4058	FlG1C104A146	C 0.1UF, 16V		
		C4059	FlG1C104A146	C 0.1UF, 16V		
		C4060	FlG1C104A146	C 0.1UF, 16V		
		C4061	FlG1C104A146	C 0.1UF, 16V		
		C4062	FlG1C104A146	C 0.1UF, 16V		
		C4063	FlG1C104A146	C 0.1UF, 16V		
		C4064	FlG1C104A146	C 0.1UF, 16V		
		C4065	FlG1C104A146	C 0.1UF, 16V		
		C4069	FlG1H101A948	C 100PF, 50V		
		C4070	FlG1E103A144	C 0.01UF, 25V		
		C4115	FlK1E106A167	C 10UF, 25V		
		C4116	FlG1E103A144	C 0.01UF, 25V		
		C4117	FlG1E103A144	C 0.01UF, 25V		
		C4118	FlG1E103A144	C 0.01UF, 25V		
		C4500	FlG1A105A107	C 1UF, 10V		
		C4578	FlG1A105A107	C 1UF, 10V		
		C4579	FlG1A105A107	C 1UF, 10V		
		C4599	FlG1H101A948	C 100PF, 50V		
		C5020	FlG1A105A107	C 1UF, 10V		
		C5022	FlG1A105A107	C 1UF, 10V		
		C5024	FlG1A105A107	C 1UF, 10V		
		C5025	FlJ1E105A287	C 1UF, 25V		
		C5026	FlG1A105A107	C 1UF, 10V		
		C5029	FlH1A225A051	C 2.2UF, 10V		
		C5030	FlG1A105A107	C 1UF, 10V		
		C5031	FlG1A105A107	C 1UF, 10V		
		C5032	FlH1E105A153	C 1UF, 25V		
		C5035	FlG1H102A830	C 1000PF, 50V		
		C5105	FlG1E103A144	C 0.01UF, 25V		
		C5140	FlG1E103A144	C 0.01UF, 25V		
		C5144	FlH1E105A153	C 1UF, 25V		
		C5201	FlK1E106A167	C 10UF, 25V		
		C5202	FlK1E106A167	C 10UF, 25V		
		C5204	FlJ0J226A091	C 22UF, 6.3V		
		C5205	FlJ0J226A091	C 22UF, 6.3V		
		C5210	FlG1C104A146	C 0.1UF, 16V		
		C5212	FlG1E103A144	C 0.01UF, 25V		
		C5230	FlH1E104A161	C 0.1UF, 25V		
		C5231	FlK1E106A167	C 10UF, 25V		
		C5234	FlJ1A106A087	C 10UF, 10V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C5235	FLJ1A106A087	C 10UF, 10V		
		C5236	FLJ1A106A087	C 10UF, 10V		
		C5237	FLJ1A106A087	C 10UF, 10V		
		C5238	FLG1C104A146	C 0.1UF, 16V		
		C5239	FLG1A105A107	C 1UF, 10V		
		C5240	FLG1E822A144	C 8200 PF, 25V		
		C5245	FLG1A105A107	C 1UF, 10V		
		C5246	FLG1A105A107	C 1UF, 10V		
		C5260	FLK1E106A167	C 10UF, 25V		
		C5261	FLK1E106A167	C 10UF, 25V		
		C5262	FLH1E104A161	C 0.1UF, 25V		
		C5263	FLG1A105A107	C 1UF, 10V		
		C5264	FLH0J4750004	C 4.7UF, 6.3V		
		C5265	FLH0J4750004	C 4.7UF, 6.3V		
		C5266	FLG1C104A146	C 0.1UF, 16V		
		C5268	FLG1H102A830	C 1000PF, 50V		
		C5270	FLK1E106A167	C 10UF, 25V		
		C5271	FLK1E106A167	C 10UF, 25V		
		C5272	FLK1E106A167	C 10UF, 25V		
		C5273	FLK1E106A167	C 10UF, 25V		
		C5722	FLJ0J226A091	C 22UF, 6.3V		
		C5723	FLJ0J226A091	C 22UF, 6.3V		
		C5724	FLG1C104A146	C 0.1UF, 16V		
		C5734	FLJ1A106A087	C 10UF, 10V		
		C5736	FLG1C104A146	C 0.1UF, 16V		
		C5737	FLJ1A106A087	C 10UF, 10V		
		C5920	FLG1C104A146	C 0.1UF, 16V		
		C6702	FLG1H102A948	C 1000PF, 50V		
		C6703	FLJ1A106A087	C 10UF, 10V		
		C6704	FLG1C104A146	C 0.1UF, 16V		
		C6705	FLJ1A106A087	C 10UF, 10V		
		C6707	FLG1C104A146	C 0.1UF, 16V		
		C6717	FLG1H220A834	C 22PF, 50V		
		C6718	FLG1H220A834	C 22PF, 50V		
		C6720	FLG1H220A834	C 22PF, 50V		
		C6721	FLG1H220A834	C 22PF, 50V		
		C6722	FLG1H102A948	C 1000PF, 50V		
		C6731	FLG1H101A948	C 100PF, 50V		
		C6732	FLG1H101A948	C 100PF, 50V		
		C6739	FLG1C104A146	C 0.1UF, 16V		
		C6856	FLG1H8R0A963	C 8PF, 50V		
		C6857	FLG1H8R0A963	C 8PF, 50V		
		C6859	FLG1C104A146	C 0.1UF, 16V		
		C6861	FLG1C104A146	C 0.1UF, 16V		
		C6864	FLG1C104A146	C 0.1UF, 16V		
		C6873	FLG1C104A146	C 0.1UF, 16V		
		C6874	FLG1C104A146	C 0.1UF, 16V		
		C6876	FLG1C104A146	C 0.1UF, 16V		
		C6877	FLG1C104A146	C 0.1UF, 16V		
		C6886	FLJ1A106A087	C 10UF, 10V		
		C6889	FLJ1A106A087	C 10UF, 10V		
		C6891	FLJ1A106A087	C 10UF, 10V		
		C6893	FLG1C104A146	C 0.1UF, 16V		
		C6894	FLG1C104A146	C 0.1UF, 16V		
		C6950	FLG0J1050007	C 1.0UF, 6.3V		
		C6951	FLG1H101A948	C 100PF, 50V		
		C6952	FLG1H100A948	C 10PF, 50V		
		C6953	FLG1E103A144	C 0.01UF, 25V		
		C6954	FLG1E103A144	C 0.01UF, 25V		
		C6957	FLG1H181A834	C 180PF, 50V		
		C6958	FLG1C104A146	C 0.1UF, 16V		
		C6959	FLG1H181A834	C 180PF, 50V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C6960	FlG1H472A830	C 4700PF, 50V		
		C6961	FlG0J1050007	C 1.0UF, 6.3V		
		C6963	FlG1C104A146	C 0.1UF, 16V		
		C6964	FlH1H181B052	C 180PF, 50V		
		C6965	FlG1C104A146	C 0.1UF, 16V		
		C6967	FlG1H121A834	C 120PF, 50V		
		C6968	FlG1H102A830	C 1000PF, 50V		
		C6970	FlG1H102A830	C 1000PF, 50V		
		C6971	FlG1H5R0A947	C 5PF, 50V		
		C6973	FlG1H5R0A947	C 5PF, 50V		
		C6974	FlG1H121A834	C 120PF, 50V		
		C6977	FlG1H331A946	C 330PF, 50V		
		C6982	FlG1E103A144	C 0.01UF, 25V		
		C6983	FlG1H102A948	C 1000PF, 50V		
		C6984	FlG1E103A144	C 0.01UF, 25V		
		C6985	FlG0J1050007	C 1.0UF, 6.3V		
		C6986	FlG1H121A834	C 120PF, 50V		
		C6988	FlG1H102A830	C 1000PF, 50V		
		C6989	FlG1H6R0A832	C 6PF, 50V		
	⚠	C7102	FlAAF471A019	C 470PF, 240V		
	⚠	C7103	FlAAF471A019	C 470PF, 240V		
	⚠	C7104	F0CAF224A218	C 0.22UF, 250V		
		C7105	F0CAF224A218	C 0.22UF, 250V		
		C7106	FlAAF471A019	C 470PF, 240V		
		C7201	FlJ1H102A909	C 1000PF, 50V		
		C7202	FlJ1H102A909	C 1000PF, 50V		
		C7203	FlJ1H104A902	C 0.1UF, 50V		
		C7204	FlH1C474A178	C 0.47UF, 16V		
		C7205	FlJ1H103A900	C 0.01UF, 50V		
		C7206	FlJ1H104A902	C 0.1UF, 50V		
		C7207	FlA3A331A078	C 330PF, 1KV		
		C7208	FlJ1H105A918	C 1UF, 50V		
		C7209	ECWFD2W824KC	C 0.82UF 450V		
		C7212	FlJ1H223A900	C 0.022UF, 50V		
		C7213	F2A2W6800013	C 68UF, 450V		
		C7214	FlJ1H103A900	C 0.01UF, 50V		
		C7217	FlA3A221A078	C 220PF, 1KV		
		C7301	FlJ1H102A909	C 1000PF, 50V		
		C7302	FlJ1H223A900	C 0.022UF, 50V		
		C7303	FlJ1H105A919	C 1UF, 50V		
		C7304	FlA3A221A079	C 220PF, 1KV		
		C7305	FlJ1H105A918	C 1UF, 50V		
		C7307	FlJ1H101A906	C 100PF, 50V		
		C7310	F2A1E471C224	C 470PF, 25V		
		C7311	FlJ1H474A918	C 0.47UF, 50V		
		C7312	FlJ1C474A238	C 0.47UF, 16V		
		C7313	FlJ1H102A909	C 1000PF, 50V		
		C7314	FlJ1H220A906	C 22PF, 50V		
		C7315	FlA3A101A078	C 100PF, 1KV		
		C7317	ECWH8273HAC	C 27000PF, 800V		
		C7319	FlA3A101A079	C 100PF, 1KV		
		C7323	FlJ1H103A900	C 0.01UF, 50V		
		C7324	FlJ1H102A909	C 1000PF, 50V		
		C7325	FlJ1H103A900	C 0.01UF, 50V		
		C7406	FlJ1E105A287	C 1UF, 25V		
		C7417	FlH1C225A065	C 2.2UF, 16V		
		C7418	FlJ1H104A902	C 0.1UF, 50V		
		C7419	FlH1H104B047	C 0.1UF, 50V		
		C7422	F2A2A1010047	C 100UF, 100V		
		C7424	F2AZZ2220005	C 2200UF, 240V		
		C7430	FlJ1H102A909	C 1000PF, 50V		
		C7434	FlJ1H103A900	C 0.01UF, 50V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C7435	FLJ1E105A287	C 1UF, 25V		
		C7436	FLH1H104B047	C 0.1UF, 50V		
		C7437	FLJ1E105A287	C 1UF, 25V		
		C7438	FLH1C225A065	C 2.2UF, 16V		
		C7460	FLH1H222B047	C 2200PF, 50V		
		C7462	FLK1E106A167	C 10UF, 25V		
		C7463	FLJ1H104A902	C 0.1UF, 50V		
		C7465	FLK1A226A060	C 22UF, 10V		
		C7466	FLK1A226A060	C 22UF, 10V		
		C7470	FLJ1H104A902	C 0.1UF, 50V		
		C7472	FLJ1H103A900	C 0.01UF, 50V		
		C7478	FLH1H104B047	C 0.1UF, 50V		
		C7533	FLJ1H102A909	C 1000PF, 50V		
		C7534	FLJ1H104A902	C 0.1UF, 50V		
		C7800	FLJ1H102A909	C 1000PF, 50V		
		C7801	FLJ1H103A900	C 0.01UF, 50V		
		C7802	FLJ1H103A900	C 0.01UF, 50V		
		C7803	FLJ1H104A902	C 0.1UF, 50V		
		C7804	FLJ1H223A900	C 0.022UF, 50V		
		C7805	FLJ1H103A900	C 0.01UF, 50V		
		C7806	FLJ1E105A287	C 1UF, 25V		
		C7807	FLJ1E474A272	C 0.47UF, 25V		
		C7808	FLK2J2210003	C 220 PF, 630V		
		C7809	FLJ1E105A287	C 1UF, 25V		
		C7810	FLJ1H101A906	C 100PF, 50V		
		C7813	F2A2E1000034	C 10UF, 250V		
		C7814	F2A2E1000034	C 10UF, 250V		
		C7819	FLA3A470A078	C 47PF, 1KV		
		C7824	FLJ1E224A272	C 0.22UF, 25V		
		C7828	FLJ1H222A900	C 2200PF, 50V		
		C7832	FLJ1H101A906	C 100PF, 50V		
		C7834	FLJ1H104A902	C 0.1UF, 50V		
		C7838	FLJ1H104A902	C 0.1UF, 50V		
		C7870	F2A2E1000034	C 10UF, 250V		
		C7877	FLJ2E1030004	C 0.01UF, 250V		
		C8000	FLJ1A106A087	C 10UF, 10V		
		C8001	FLJ1A106A087	C 10UF, 10V		
		C8002	FLJ1A106A087	C 10UF, 10V		
		C8004	FLG1C104A146	C 0.1UF, 16V		
		C8006	FLG1C104A146	C 0.1UF, 16V		
		C8007	FLG1C104A146	C 0.1UF, 16V		
		C8008	FLG1C104A146	C 0.1UF, 16V		
		C8009	FLJ1A106A087	C 10UF, 10V		
		C8010	FLG1C104A146	C 0.1UF, 16V		
		C8011	FLJ0J226A091	C 22UF, 6.3V		
		C8013	FLG1C104A146	C 0.1UF, 16V		
		C8014	FLG1C104A146	C 0.1UF, 16V		
		C8015	FLG1C104A146	C 0.1UF, 16V		
		C8016	FLJ1A106A087	C 10UF, 10V		
		C8017	FLG1C104A146	C 0.1UF, 16V		
		C8018	FLG1A105A107	C 1UF, 10V		
		C8021	FLG1A105A107	C 1UF, 10V		
		C8025	FLG1C104A146	C 0.1UF, 16V		
		C8026	FLG1C104A146	C 0.1UF, 16V		
		C8027	FLG1C104A146	C 0.1UF, 16V		
		C8030	FLG1C104A146	C 0.1UF, 16V		
		C8031	FLG1C104A146	C 0.1UF, 16V		
		C8043	FLG1C104A146	C 0.1UF, 16V		
		C8049	FLH0J4750004	C 4.7UF, 6.3V		
		C8050	FLG1A105A107	C 1UF, 10V		
		C8051	FLG1C104A146	C 0.1UF, 16V		
		C8054	FLG1C104A146	C 0.1UF, 16V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8063	FLJ0J226A091	C 22UF, 6.3V		
		C8064	FLG1C104A146	C 0.1UF, 16V		
		C8065	FLH0J4750004	C 4.7UF, 6.3V		
		C8066	FLG1A105A107	C 1UF, 10V		
		C8067	FLG1A105A107	C 1UF, 10V		
		C8068	FLG1A105A107	C 1UF, 10V		
		C8069	FLG1A105A107	C 1UF, 10V		
		C8070	FLG1A105A107	C 1UF, 10V		
		C8071	FLG1C104A146	C 0.1UF, 16V		
		C8073	FLH0J4750004	C 4.7UF, 6.3V		
		C8074	FLH0J4750004	C 4.7UF, 6.3V		
		C8075	FLG1A105A107	C 1UF, 10V		
		C8076	FLG1C104A146	C 0.1UF, 16V		
		C8077	FLG1A105A107	C 1UF, 10V		
		C8079	FLG1C104A146	C 0.1UF, 16V		
		C8080	FLG1A105A107	C 1UF, 10V		
		C8081	FLG1A105A107	C 1UF, 10V		
		C8083	FLG1C104A146	C 0.1UF, 16V		
		C8084	FLG1C104A146	C 0.1UF, 16V		
		C8085	FLH0J4750004	C 4.7UF, 6.3V		
		C8086	FLH0J4750004	C 4.7UF, 6.3V		
		C8100	FLG1H222A946	C 2200PF, 50V		
		C8101	FLG1C104A146	C 0.1UF, 16V		
		C8102	FLK1E106A167	C 10UF, 25V		
		C8103	FLK1E106A167	C 10UF, 25V		
		C8104	FLH1E104A161	C 0.1UF, 25V		
		C8105	FLG1E332A172	C 3300PF, 25V		
		C8106	FLJ0J226A091	C 22UF, 6.3V		
		C8107	FLJ0J226A091	C 22UF, 6.3V		
		C8108	FLJ0J226A091	C 22UF, 6.3V		
		C8109	FLH1E105A153	C 1UF, 25V		
		C8110	FLJ1E475A257	C 4.7UF, 25V		
		C8112	FLH1E104A161	C 0.1UF, 25V		
		C8128	FLK1E106A167	C 10UF, 25V		
		C8130	FLG1C104A146	C 0.1UF, 16V		
		C8132	FLJ0J226A091	C 22UF, 6.3V		
		C8133	FLJ0J226A091	C 22UF, 6.3V		
		C8136	FLG1A105A107	C 1UF, 10V		
		C8137	FLG1A105A107	C 1UF, 10V		
		C8138	FLG1C104A146	C 0.1UF, 16V		
		C8200	FLG1C104A146	C 0.1UF, 16V		
		C8201	FLG1C104A146	C 0.1UF, 16V		
		C8202	FLG1C104A146	C 0.1UF, 16V		
		C8203	FLG1C104A146	C 0.1UF, 16V		
		C8204	FLG1C104A146	C 0.1UF, 16V		
		C8205	FLG1C104A146	C 0.1UF, 16V		
		C8206	FLG1C104A146	C 0.1UF, 16V		
		C8207	FLG1C104A146	C 0.1UF, 16V		
		C8208	FLG1C104A146	C 0.1UF, 16V		
		C8209	FLG1C104A146	C 0.1UF, 16V		
		C8210	FLG1C104A146	C 0.1UF, 16V		
		C8211	FLG1C104A146	C 0.1UF, 16V		
		C8212	FLG1C104A146	C 0.1UF, 16V		
		C8213	FLG1C104A146	C 0.1UF, 16V		
		C8214	FLG1C104A146	C 0.1UF, 16V		
		C8215	FLG1C104A146	C 0.1UF, 16V		
		C8216	FLG1C104A146	C 0.1UF, 16V		
		C8217	FLG1C104A146	C 0.1UF, 16V		
		C8218	FLG1C104A146	C 0.1UF, 16V		
		C8219	FLG1C104A146	C 0.1UF, 16V		
		C8220	FLG1C104A146	C 0.1UF, 16V		
		C8221	FLG1C104A146	C 0.1UF, 16V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8222	FlG1C104A146	C 0.1UF, 16V		
		C8223	FlG1C104A146	C 0.1UF, 16V		
		C8224	FlG1C104A146	C 0.1UF, 16V		
		C8225	FlG1C104A146	C 0.1UF, 16V		
		C8226	FlJ1A106A087	C 10UF, 10V		
		C8227	FlG1C104A146	C 0.1UF, 16V		
		C8228	FlG1C104A146	C 0.1UF, 16V		
		C8229	FlG1C104A146	C 0.1UF, 16V		
		C8230	FlG1C104A146	C 0.1UF, 16V		
		C8231	FlG1C104A146	C 0.1UF, 16V		
		C8232	FlG1C104A146	C 0.1UF, 16V		
		C8233	FlG1C104A146	C 0.1UF, 16V		
		C8234	FlG1C104A146	C 0.1UF, 16V		
		C8235	FlG1C104A146	C 0.1UF, 16V		
		C8236	FlG1C104A146	C 0.1UF, 16V		
		C8237	FlG1C104A146	C 0.1UF, 16V		
		C8238	FlG1C104A146	C 0.1UF, 16V		
		C8239	FlG1C104A146	C 0.1UF, 16V		
		C8240	FlG1C104A146	C 0.1UF, 16V		
		C8241	FlG1C104A146	C 0.1UF, 16V		
		C8242	FlG1C104A146	C 0.1UF, 16V		
		C8243	FlG1C104A146	C 0.1UF, 16V		
		C8244	FlG1C104A146	C 0.1UF, 16V		
		C8245	FlJ1A106A087	C 10UF, 10V		
		C8246	FlG1C104A146	C 0.1UF, 16V		
		C8247	FlG1C104A146	C 0.1UF, 16V		
		C8248	FlG1C104A146	C 0.1UF, 16V		
		C8249	FlG1C104A146	C 0.1UF, 16V		
		C8250	FlG1C104A146	C 0.1UF, 16V		
		C8251	FlG1C104A146	C 0.1UF, 16V		
		C8252	FlG1C104A146	C 0.1UF, 16V		
		C8253	FlG1C104A146	C 0.1UF, 16V		
		C8254	FlG1C104A146	C 0.1UF, 16V		
		C8255	FlG1C104A146	C 0.1UF, 16V		
		C8256	FlJ1A106A087	C 10UF, 10V		
		C8257	FlG1C104A146	C 0.1UF, 16V		
		C8258	FlG1C104A146	C 0.1UF, 16V		
		C8259	FlG1C104A146	C 0.1UF, 16V		
		C8260	FlG1C104A146	C 0.1UF, 16V		
		C8261	FlG1C104A146	C 0.1UF, 16V		
		C8262	FlG1C104A146	C 0.1UF, 16V		
		C8263	FlG1C104A146	C 0.1UF, 16V		
		C8264	FlG1C104A146	C 0.1UF, 16V		
		C8265	FlG1C104A146	C 0.1UF, 16V		
		C8266	FlG1C104A146	C 0.1UF, 16V		
		C8267	FlG1C104A146	C 0.1UF, 16V		
		C8268	FlG1C104A146	C 0.1UF, 16V		
		C8269	FlG1C104A146	C 0.1UF, 16V		
		C8271	FlG1C104A146	C 0.1UF, 16V		
		C8272	FlG1C104A146	C 0.1UF, 16V		
		C8273	FlG1C104A146	C 0.1UF, 16V		
		C8275	FlG1C104A146	C 0.1UF, 16V		
		C8276	FlG1C104A146	C 0.1UF, 16V		
		C8279	FlJ1A106A087	C 10UF, 10V		
		C8280	FlG1C104A146	C 0.1UF, 16V		
		C8281	FlG1C104A146	C 0.1UF, 16V		
		C8282	FlG1C104A146	C 0.1UF, 16V		
		C8283	FlG1C104A146	C 0.1UF, 16V		
		C8284	FlG1C104A146	C 0.1UF, 16V		
		C8285	FlG1C104A146	C 0.1UF, 16V		
		C8286	FlG1C104A146	C 0.1UF, 16V		
		C8287	FlG1C104A146	C 0.1UF, 16V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8288	FlG1C104A146	C 0.1UF, 16V		
		C8289	FlG1C104A146	C 0.1UF, 16V		
		C8290	FlG1C104A146	C 0.1UF, 16V		
		C8300	FlG1H7R0A963	C 7PF, 50V		
		C8301	FlG1H7R0A963	C 7PF, 50V		
		C8357	FlG1C104A146	C 0.1UF, 16V		
		C8358	FlG1C104A146	C 0.1UF, 16V		
		C8375	FlG1C104A146	C 0.1UF, 16V		
		C8376	FlG1A105A107	C 1UF, 10V		
		C8601	FlG1C103A173	C 0.01UF, 16V		
		C8604	FlG1C103A173	C 0.01UF, 16V		
		C8706	FlJ1A106A087	C 10UF, 10V		
		C8707	FlG1C104A146	C 0.1UF, 16V		
		C8708	FlJ1A106A087	C 10UF, 10V		
		C8709	FlJ1A106A087	C 10UF, 10V		
		C8710	FlG1C104A146	C 0.1UF, 16V		
		C8712	FlG1C104A146	C 0.1UF, 16V		
		C8713	FlG1C104A146	C 0.1UF, 16V		
		C8714	FlJ1A106A087	C 10UF, 10V		
		C8715	FlG1C104A146	C 0.1UF, 16V		
		C8717	FlJ1A106A087	C 10UF, 10V		
		C8718	FlJ1A106A087	C 10UF, 10V		
		C8719	FlG1C104A146	C 0.1UF, 16V		
		C8739	FlJ1A106A087	C 10UF, 10V		
		C8740	FlG1C104A146	C 0.1UF, 16V		
		C8742	FlJ1A106A087	C 10UF, 10V		
		C8744	FlJ1A106A087	C 10UF, 10V		
		C8745	FlG1C104A146	C 0.1UF, 16V		
		C8760	FlG1C104A146	C 0.1UF, 16V		
		C8910	FlH1E105A153	C 1UF, 25V		
		C8911	FlG1C104A146	C 0.1UF, 16V		
		C8912	FlJ1A106A087	C 10UF, 10V		
		C8913	FlG1C104A146	C 0.1UF, 16V		
		C8914	FlJ1A106A087	C 10UF, 10V		
		C8920	FlG1C104A146	C 0.1UF, 16V		
DIODES						
		D2800	DZ2J056M0L	DIODE		
		D2802	B3AGB0000083	LED		
		D2851	DZ2J068M0L	DIODE		
		D2852	DZ2J068M0L	DIODE		
		D3108	DZ2J140M0L	DIODE		
		D3109	DZ2J140M0L	DIODE		
		D3110	DZ2J140M0L	DIODE		
		D3111	DZ2J140M0L	DIODE		
		D3112	DZ2J140M0L	DIODE		
		D3113	DZ2J140M0L	DIODE		
		D3200	K7AAAY0000019	CHIP DIODE		
		D4516	B0ACRC0000001	DIODE		
		D5027	DZ2J033M0L	DIODE		
		D5028	B0ACRC0000001	DIODE		
		D5029	B0ACRC0000001	DIODE		
		D5140	B0ADCK0000001	DIODE		
		D5170	DA2J10100L	DIODE		
		D5171	DZ2J180M0L	DIODE		
		D5172	B0ADCK0000001	DIODE		
		D5173	DZ2J062M0L	DIODE		
		D6950	B0ZBZ00000226	DIODE		
		D6952	J0ZZB00000202	DIODE		
		D7101	D4EAY621A216	DIODE		
		D7107	B0AAMT0000014	DIODE		
		D7108	B0AAMT0000014	DIODE		
		D7109	B0FBAR0000047	DIODE		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		D7111	D4EAY621A216	DIODE		
		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		
		D7320	B0BC015A0655	DIODE		
		D7402	B0FCAN000003	DIODE		
		D7403	B0FCAN000003	DIODE		
		D7406	B0JBSL000081	DIODE		
		D7407	B0JBSL000081	DIODE		
		D7411	B0ACCD000008	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	DB2J20800L	DIODE		
		D8105	B0ACRC000001	DIODE		
		D8106	B0ACRC000001	DIODE		
INTEDGRATED CIRCUITS						
		IC3201	C1AB00003391	IC		
		IC3400	C1AB00003800	IC		
		IC3401	C0DBGYY00915	IC		
		IC4506	C0DBEYY00226	IC		
		IC5000	AN34043AAVF	IC		
		IC5200	C0DBAYY02861	IC		
		IC5230	C0DBAYY02083	IC		
		IC5240	C0DBGYY00915	IC		
		IC5260	C0DBAYY02857	IC		
		IC5705	C0DBAYY02861	IC		
		IC5911	C1ZBZ0004368	IC		
		IC6802	C1AB00004028	IC		
		IC6950	C1AB00004337	IC		
		IC6952	C1AB00004174	IC		
		IC7201	C0DBBY000058	IC		
		IC7301	C0DBAYY02736	IC		
		IC7401	C0DBZYY00531	IC		
		IC7405	B1LBZ0000070	IC		
		IC7800	C0ZBZ0002199	IC		
		IC8000	C1AB00004614	IC		
		IC8101	C0DBAYY02531	IC		
		IC8102	C0DBEYY00175	IC		
		IC8103	NN30332A-VB	IC		
		IC8200	C3ABVY000069	IC		
		IC8201	C3ABVY000069	IC		
		IC8202	C3ABVY000069	IC		
		IC8203	C3ABVY000069	IC		
		IC8204	C3ABVY000069	IC		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		IC8702	C0DBZYY00723	IC		
		IC8703	C0DBZYY00723	IC		
		IC8706	C0DBZYY00723	IC		
		IC8920	TVRU223AB	V4.030		
COILS						
		L2200	J0JYC0000464	BEAD CORE		
		L3105	J0JYC0000156	INDUCTOR		
		L3106	J0JYC0000156	INDUCTOR		
		L3162	J0JYC0000419	COIL		
		L3163	J0JYC0000419	COIL		
		L3164	J0JYC0000419	COIL		
		L3800	G1C220MA0533	INDUCTOR		
		L3801	G1C220MA0533	INDUCTOR		
		L3802	G1C220MA0533	INDUCTOR		
		L3803	G1C220MA0533	INDUCTOR		
		L5200	G1C2R2ZA0311	INDUCTOR		
		L5230	G1C3R3ZA0311	COIL		
		L5260	G1C3R3MA0858	INDUCTOR		
		L5701	G1C3R3MA0464	INDUCTOR		
		L6701	J0JYC0000464	BEAD CORE		
		L6803	J0JYC0000464	BEAD CORE		
		L6805	J0JYC0000464	BEAD CORE		
		L6950	G1CR27JA0097	COIL		
		L6951	G1CR27JA0097	COIL		
		L6952	G1CR27JA0097	COIL		
		L6953	J0JYC0000464	BEAD CORE		
		L6954	G1CR27JA0097	COIL		
		L6955	J0JYC0000464	BEAD CORE		
		L6956	G1CR27JA0097	COIL		
		L6959	G1CR27JA0097	COIL		
		L6961	G1C82NJ00010	COIL		
		L6962	G1CR47J00012	BEAD COIL		
		L6963	G1CR22JA0097	COIL		
		L6964	G1CR22JA0097	COIL		
		L6965	G1C10NJ00008	BEAD COIL		
		L7201	J0JYA0000043	COIL		
		L7400	J0JYA0000043	COIL		
		L7401	G0C6R8MA0094	CHOKE COIL		
		L7802	J0JYA0000043	COIL		
		L7804	J0JYA0000043	COIL		
		L7815	G0C820K00011	COIL		
		L8100	G1C1R0MA0858	INDUCTOR		
		L8104	G1C2R2ZA0476	INDUCTOR		
		L8702	J0JYC0000464	BEAD CORE		
		L8703	J0JYC0000464	BEAD CORE		
		L8706	J0JYC0000464	BEAD CORE		
		L8900	J0JYC0000464	BEAD CORE		
TRANSISTORS						
		Q2200	B1ABCF000231	TRANSISTOR		
		Q2201	B1ABCF000231	TRANSISTOR		
		Q2291	B1ABCF000231	TRANSISTOR		
		Q2292	B1ABCF000231	TRANSISTOR		
		Q4501	B1ABCF000231	TRANSISTOR		
		Q4502	B1ABCF000231	TRANSISTOR		
		Q5140	B1ABCE000015	TRANSISTOR		
		Q5141	B1ABCE000015	TRANSISTOR		
		Q5143	B1ABCF000231	TRANSISTOR		
		Q5144	B1ABCF000231	TRANSISTOR		
		Q7202	B1ADGE000012	TRANSISTOR		
		Q7203	B1CERR000144	TRANSISTOR		
		Q7301	B1CFRR000031	TRANSISTOR		
		Q7302	B1CFRR000031	TRANSISTOR		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		Q7304	B1ADGE000012	TRANSISTOR		
		Q7315	B1ABCF000231	TRANSISTOR		
		Q7401	B1CFHD000029	TRANSISTOR		
		Q7402	B1CHRL000026	TRANSISTOR		
		Q7403	B1CHRE000035	TRANSISTOR		
		Q7405	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		
RESISTORS						
		R0066	D0GAR00JA039	M 0 OHM, 1/16W		
		R0095	D0GAR00JA039	M 0 OHM, 1/16W		
		R0901	D0GA473JA039	M 47K OHM, J, 1/16W		
		R0906	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R0907	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R0912	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0913	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0914	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0915	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0918	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0919	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0920	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0921	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0924	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0955	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0956	D0GA473JA039	M 47K OHM, J, 1/16W		
		R0960	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0961	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0962	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0986	D0GA473JA039	M 47K OHM, J, 1/16W		
		R0987	D0GA473JA039	M 47K 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		
		R2020	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		
		R2047	D0GA103JA039	M 10K OHM, J, 1/16W		
		R2252	D0GA183JA039	M 18K OHM, J, 1/16W		
		R2253	D0GA683JA039	M 68K 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		
		R2293	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2294	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2295	D0GA223JA039	M 22K OHM, J, 1/16W		
		R2296	D0GA223JA039	M 22K OHM, J, 1/16W		
		R2298	D0GA223JA039	M 22K OHM, J, 1/16W		
		R2299	D0GA223JA039	M 22K OHM, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R2302	D0GA103JA039	M 10K OHM, J, 1/16W		
		R2800	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R2807	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R2820	D0GB470JA065	M 47 OHM, J, 1/10W		
		R2821	D0GB102JA065	M 1K OHM, J, 1/10W		
		R2823	D1BB4301A073	M 4.3K OHM, J, 1/10W		
		R2824	D1BB1001A143	M 1K OHM, F, 1/10W		
		R2852	D1BD1911A203	M 1.91K OHM, F, 1/8W		
		R2853	D1BD3091A203	M 3.09K OHM, F, 1/8W		
		R2854	D1BD6041A203	M 6.04K OHM, F, 1/8W		
		R2855	D1BD1692A203	M 16.9K OHM, F, 1/8W		
		R3110	D1BD75R0A204	M 75 OHM, F, 1/8W		
		R3111	D1BD75R0A204	M 75 OHM, F, 1/8W		
		R3112	D1BD75R0A204	M 75 OHM, F, 1/8W		
		R3130	D0GAR00JA039	M 0 OHM, 1/16W		
		R3131	D0GAR00JA039	M 0 OHM, 1/16W		
		R3166	D0GA100JA039	M 10 OHM, J, 1/16W		
		R3170	D1H81014A042	M 100 OHM, J, 1/16W		
		R3174	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3178	D0GA473JA039	M 47K 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		
		R3196	D0GA101JA039	M 100 OHM, J, 1/16W		
		R3200	D0GA101JA039	M 100 OHM, J, 1/16W		
		R3215	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3403	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3404	D0GAR00JA039	M 0 OHM, 1/16W		
		R3410	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3412	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3413	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3414	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3415	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3416	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3417	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3418	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3419	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3420	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3421	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3422	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3429	D1H86804A042	M 68 OHM, J, 1/16W		
		R3430	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3431	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3432	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3433	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3442	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3443	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3836	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R3837	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R3838	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R3839	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R3877	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R3878	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R4050	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4051	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4096	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4097	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4103	D0GA101JA039	M 100 OHM, J, 1/16W		
		R4104	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4107	D0GA101JA039	M 100 OHM, J, 1/16W		
		R4113	D0GAR00JA039	M 0 OHM, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R4116	D0GA101JA039	M 100 OHM, J, 1/16W		
		R4120	D0GAR00JA039	M 0 OHM, 1/16W		
		R4121	D0GAR00JA039	M 0 OHM, 1/16W		
		R4513	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4514	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4515	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4516	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4517	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4519	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4520	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4521	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4522	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4523	D0GA102JA039	M 1K 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		
		R4543	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4545	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4546	D0GA473JA039	M 47K 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		
		R4555	D0GA4R7JA039	M 4.7 OHM, J, 1/16W		
		R4556	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4557	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4561	D1BA1800A023	M 180 OHM, F, 1/16W		
		R4562	D1BA82R0A023	M 82 OHM, F, 1/16W		
		R4563	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4567	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4570	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R4571	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R4572	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R4573	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R4574	D1H4R0020006	M 0 OHM, Z, 1/16W		
		R4575	D1H4R0020006	M 0 OHM, Z, 1/16W		
		R4576	D1H4R0020006	M 0 OHM, Z, 1/16W		
		R4577	D1H4R0020006	M 0 OHM, Z, 1/16W		
		R4588	D1H84R74A042	M 4.7 OHM, J, 1/16W		
		R4589	D1H84R74A042	M 4.7 OHM, J, 1/16W		
		R4590	D1H84R74A042	M 4.7 OHM, J, 1/16W		
		R4591	D1H84R74A042	M 4.7 OHM, J, 1/16W		
		R4592	D1H84R74A042	M 4.7 OHM, J, 1/16W		
		R4593	D1H84R74A042	M 4.7 OHM, J, 1/16W		
		R4602	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4603	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4604	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4605	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4606	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4607	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4610	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4617	D1BA4701A023	M 4.7K OHM, F, 1/16W		
		R4618	D1BA1502A023	M 15K OHM, F, 1/16 W		
		R4628	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R4629	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R4650	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4661	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4662	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4663	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5008	D0GA683JA039	M 68K OHM, J, 1/16W		
		R5009	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5017	D0GA473JA039	M 47K OHM, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		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		
		R5042	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5098	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5099	D0GF4R7JA048	M 4.7 OHM, J, 1/4W		
		R5109	D0GB101JA065	M 100 OHM, J, 1/10W		
		R5110	D0GA681JA039	M 680 OHM, J, 1/16W		
		R5140	D0GA102JA039	M 1K OHM, J, 1/16W		
		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		
		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	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5161	D0GA153JA039	M 15K OHM, J, 1/16W		
		R5201	D1BA1301A023	M 1.3K OHM, F, 1/16W		
		R5202	D1BA4301A023	M 4.3K OHM, F, 1/16W		
		R5203	D0GAR00JA039	M 0 OHM, 1/16W		
		R5204	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R5230	D1BA2201A023	M 2.2K OHM, F, 1/16 W		
		R5231	D1BA1272A023	M 12.7K OHM, F, 1/16W		
		R5240	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5263	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5265	D0GA102JA039	M 1K OHM, J, 1/16W		
		R5267	D0GA104JA039	M 100K OHM, J, 1/16W		
		R5268	D0GA102JA039	M 1K OHM, J, 1/16W		
		R5269	D1BB4642A143	M 46.4K OHM, F, 1/16W		
		R5270	D1BB2431A143	M 2.43K OHM, F, 1/16W		
		R5272	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R5273	D0GAR00JA039	M 0 OHM, 1/16W		
		R5275	D0GA302JA039	M 3K OHM, J, 1/16W		
		R5736	D0GAR00JA039	M 0 OHM, 1/16W		
		R5737	D1BA1402A023	M 14K OHM, F, 1/16 W		
		R5738	D1BA6801A023	M 6.8K OHM, F, 1/16W		
		R5739	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R5740	D0GAR00JA039	M 0 OHM, 1/16W		
		R5741	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R5748	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R5946	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5950	D0GA473JA039	M 47K OHM, J, 1/16W		
		R6484	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6700	D0GA221JA039	M 220 OHM, J, 1/16W		
		R6701	D0GA221JA039	M 220 OHM, J, 1/16W		
		R6709	D0GAR00JA039	M 0 OHM, 1/16W		
		R6724	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6733	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6734	D0GAR00JA039	M 0 OHM, 1/16W		
		R6735	D0GAR00JA039	M 0 OHM, 1/16W		
		R6758	D0GAR00JA039	M 0 OHM, 1/16W		
		R6766	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6767	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6786	D0GAR00JA039	M 0 OHM, 1/16W		
		R6787	D0GAR00JA039	M 0 OHM, 1/16W		
		R6788	D0GAR00JA039	M 0 OHM, 1/16W		
		R6791	D0GA220JA039	M 22 OHM, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R6792	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6793	D0GAR00JA039	M 0 OHM, 1/16W		
		R6794	D0GAR00JA039	M 0 OHM, 1/16W		
		R6798	D0GAR00JA039	M 0 OHM, 1/16W		
		R6835	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R6841	D0GA471JA039	M 470 OHM, J, 1/16W		
		R6843	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6845	D0GAR00JA039	M 0 OHM, 1/16W		
		R6850	D0GAR00JA039	M 0 OHM, 1/16W		
		R6851	D0GAR00JA039	M 0 OHM, 1/16W		
		R6855	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6861	D0GAR00JA039	M 0 OHM, 1/16W		
		R6876	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6877	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6880	D0GAR00JA039	M 0 OHM, 1/16W		
		R6903	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6904	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6905	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6906	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6908	D1H83304A042	M 33 OHM, J, 1/16W		
		R6950	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6951	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6952	D0GA102JA039	M 1K OHM, J, 1/16W		
		R6953	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6954	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6955	D0GA102JA039	M 1K OHM, J, 1/16W		
		R6956	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6962	D0GA102JA039	M 1K OHM, J, 1/16W		
		R6963	D0GA331JA039	M 330 OHM, J, 1/16W		
		R6966	D0GA681JA039	M 680 OHM, J, 1/16W		
		R6967	D0GA240JA039	M 24 OHM, J, 1/16W		
		R6968	D0GA681JA039	M 680 OHM, J, 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	ERX1SJR27V	M 0.27 OHM, J, 1W		
		R7202	ERX1SJR27V	M 0.27 OHM, J, 1W		
		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		
		R7208	ERX1SJR27V	M 0.27 OHM, J, 1W		
		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	D0GD104JA052	M 100K 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		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7230	D1BD3902A066	M 39K OHM, F, 1/8W		
		R7231	D1BD4702A066	M 47K OHM, F, 1/8W		
		R7301	D1BD4702A066	M 47K 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		
		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	D0GD392JA052	M 3.9K OHM, J, 1/8W		
		R7409	D0GD333JA052	M 33K OHM, J, 1/8W		
		R7410	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7411	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7412	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7413	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7414	D0GD220JA052	M 22 OHM, J, 1/8W		
		R7418	D0GD105JA052	M 1M OHM, J, 1/8W		
		R7421	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7422	D0GD100JA052	M 10 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		
		R7483	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7484	D0GD103JA052	M 10K 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		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		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		
		R7810	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7811	ERG2SJ562V	M 5.6K OHM, J, 2W		
		R7812	ERG2SJ562V	M 5.6K OHM, J, 2W		
		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		
		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	D1BF18R0A073	M 18 OHM, F, 1/16W		
		R7853	D1BF18R0A073	M 18 OHM, F, 1/16W		
		R7854	D1BF18R0A073	M 18 OHM, F, 1/16W		
		R7855	D1BF18R0A073	M 18 OHM, F, 1/16W		
		R7856	D1BD3903A066	M 390K OHM, F, 1/8W		
		R7857	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		
		R8009	D0GAR00JA039	M 0 OHM, 1/16W		
		R8100	D1BA1002A023	M 10K OHM, F, 1/16W		
		R8101	D1BA1502A023	M 15K OHM, F, 1/16 W		
		R8102	D1BA3241A023	M 3.24K OHM, F, 1/16W		
		R8103	D1BA1002A023	M 10K OHM, F, 1/16W		
		R8104	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8105	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8113	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R8114	D0GB100JA065	M 10 OHM, J, 1/10W		
		R8117	D1BA1242A023	M 12.4K OHM, F, 1/16W		
		R8118	D1BA1802A023	M 18K OHM, F, 1/16W		
		R8200	D1BA47R0A023	M 47 OHM, F, 1/16W		
		R8205	D0GA101JA039	M 100 OHM, J, 1/16W		
		R8206	D1BA1001A023	M 1K OHM, F, 1/16 W		
		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		
		R8212	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8213	D1BA2400A023	M 240 OHM, F, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8214	D1BA47R0A023	M 47 OHM, F, 1/16W		
		R8219	D0GA101JA039	M 100 OHM, J, 1/16W		
		R8220	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8221	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8222	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8223	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8226	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8227	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8228	D1BA47R0A023	M 47 OHM, F, 1/16W		
		R8233	D0GA101JA039	M 100 OHM, J, 1/16W		
		R8234	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8235	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8237	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	D1BA6801A023	M 6.8K OHM, F, 1/16W		
		R8303	D1BA5101A023	M 5.1K OHM, F, 1/16 W		
		R8304	D1BA5101A023	M 5.1K OHM, F, 1/16 W		
		R8601	D1BA2402A023	M 24K OHM, F, 1/16W		
		R8616	D0GAR00JA039	M 0 OHM, 1/16W		
		R8617	D0GAR00JA039	M 0 OHM, 1/16W		
		R8636	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8638	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8640	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8641	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8643	D1H81034A042	M 10K OHM, J, 1/16W		
		R8648	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8691	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R8706	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8710	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8714	D1BA2872A023	M 28.7K OHM, F, 1/16W		
		R8717	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8718	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8721	D1BA1652A023	M 16.5K OHM, F, 1/16W		
		R8726	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8729	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		
		R8765	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8766	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8809	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8819	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8842	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8843	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8853	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8857	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8858	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8862	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R8865	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8868	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8871	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8872	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8897	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8898	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8901	D0GAR00JA039	M 0 OHM, 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	D0GAR00JA039	M 0 OHM, 1/16W		
		R8911	D0GAR00JA039	M 0 OHM, 1/16W		
		R8912	D0GAR00JA039	M 0 OHM, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		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	D0GAR00JA039	M 0 OHM, 1/16W		
		R8920	D0GAR00JA039	M 0 OHM, 1/16W		
		R8921	D0GAR00JA039	M 0 OHM, 1/16W		
		R8922	D0GAR00JA039	M 0 OHM, 1/16W		
		R8923	D0GAR00JA039	M 0 OHM, 1/16W		
		R8924	D0GAR00JA039	M 0 OHM, 1/16W		
		R8925	D0GAR00JA039	M 0 OHM, 1/16W		
		R8926	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8927	D0GAR00JA039	M 0 OHM, 1/16W		
		R8929	D0GAR00JA039	M 0 OHM, 1/16W		
		R8930	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8931	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8932	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8933	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8945	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8946	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8947	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8948	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8949	D0GA103JA039	M 10K OHM, J, 1/16W		
TRANSFORMERS						
		T7202	G4DYA0000496	TRANSFORMER		
		T7301	G4DYA0000843	SWITCHING TRANSFORMER		
OTHERS						
		A02	K1KY28BA0484	CONNECTOR		
		A12	K1KY04BA0579	CONNECTOR		
		A16	K1MY51BA0526	CONNECTOR		
		CF7101	D4CAY2R5A151	THERMISTORS RESISTOR		
		F2000	ERBRD5R00X	SURFACE MOUNTING FUSES		
		F3410	ERBRD1R00X	FUSE		
		F5200	ERBRD5R00X	SURFACE MOUNTING FUSES		
		F5201	ERBRD5R00X	SURFACE MOUNTING FUSES		
		F5700	ERBRD1R00X	FUSE		
		F7101	K5E502YYA213	FUSE		
		GK4	K1KY03BA0402	CONNECTOR		
		JA101	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA102	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA103	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JA104	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JK3102	K1U511D00013	AV TERMINAL		
		JK3104A	K2HCL1YYB0095	AV TERMINAL		
		JK4701	K1FY119E0085	CONNECTOR		
		JK4702	K1FY119E0085	CONNECTOR		
		JK4703B	K1FY119E0102	AV TERMINAL		
		JK6951	K1ZZ00001668	TUNER SHIELD		
		JK7101	K2AAYA000005	AC INLET		
		JK8600A	K2LCL1YYA0019	TERMINAL		
		JK8702	K1FY104A0047	CONNECTOR		
		JK8703	K1FY109B0047	AV TERMINAL		
		JK8705	K1FY105E0025	CONNECTOR		
		K10	K1KY07BA0483	CONNECTOR		
		LF7103	G0B183GA0082	LINE FILTER		
		LF7104	G0B183GA0082	LINE FILTER		
		LF7105	G0B350GA0083	LINE FILTER		
		P2	K1KY16BA0491	CONNECTOR		
		P3	K1KY03BA0385	CONNECTOR		
		P5	K1KY03BA0402	CONNECTOR		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		PA7406	ERBRE1R00V	FUSE		
		PC7301	B3PAA0000704	PHOTO COUPLERS		
		PC7302	B3PAA0000704	PHOTO COUPLERS		
		PC7303	B3PAA0000707	PHOTO COUPLER		
		RM2,800	B3RBB0000026	IR RECEIVER		
		SN2800	B3JB00000223	PHOTO DETECTOR		
		SW2851	EVQ11G05R	SWITCH		
		SW2852	EVQ11G05R	SWITCH		
		SW2853	EVQ11G05R	SWITCH		
		SW2854	EVQ11G05R	SWITCH		
		SW2855	EVQ11G05R	SWITCH		
		SW2857	EVQ11G05R	SWITCH		
		X6801	H0J410500004	CRYSTAL		
		X6950	H0J240500106	CRYSTAL OSCILLATOR		
		X8301	H0J240500106	CRYSTAL OSCILLATOR		
		ZA0100	K4AD01D00028	TERMINAL		
		ZA0101	K4AD01D00028	TERMINAL		
		ZA0103	K4AD01D00028	TERMINAL		
		ZA0104	K4AD01D00028	TERMINAL		
		ZA0105	K4AD01D00028	TERMINAL		
		ZA0106	K4AD01D00028	TERMINAL		
		ZA0108	K4AD01D00028	TERMINAL		
		ZA0111	K4AD01D00028	TERMINAL		
		ZA0112	K4AD01D00028	TERMINAL		
		ZA0115	K4AD01D00028	TERMINAL		
		ZA0117	K4AD01D00028	TERMINAL		
		ZA0118	K4AD01D00028	TERMINAL		
		ZA0130	K4AD01D00028	TERMINAL		
		ZA0132	K4AD01D00028	TERMINAL		
		ZA0134	K4AD01D00028	TERMINAL		
		ZA0139	K4AD01D00028	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
Exploded View						
			K1HY05YY0311	WIFI_USB_CABLE		
		1	K2CQ2YY00142	AC CORD		
		2	L0EYAA000121	SPEAKER_UNIT		
		3	N2QAYB001188	REMOTE_TRANSMITTER		
		4	N5HBZ0000120	WIFI_MODULE		
		5	TBL5ZX13091	STAND_METAL_ASSY		Kit Includes All Brackets and Screws
		6	TEX5ZA04802	KEY_BUTTON_BRACKET		
		7	TKK5ZC50501A	LED_PANEL		
		8	TKP5ZA71403	SIDE_AV_BRACKET		
		9	TPD4GA09121	CUSHION_FRONT		
		10	TPD4GA10141	CUSHION_TOP		
		11	TPD4GA10151A	CUSHION_BOTTOM		
		12	TPE4GH015-1	SET BAG		
		13	TQZ4GC415	FAN_BAG_ASSY		
			TSCKF1050076	LVDS_CABLE		
		14	TXFPC01ZNUV	CARTON_ASSY		
			TXFQZ01ZNUV	ACCESSORIES_ASSY		
		15	TZBL5ZX12761	PEDESTAL_ASSY_L		
		16	TZBL5ZX12771	PEDESTAL_ASSY_R		
			TZLP275AFAA	ASSY_43_IN-HOUSE_PANEL		
		17	TZTU4GA2378	BACK_COVER_COMPLETE_ASSY		
Electrical Replacement Part List						
		RTL	TZT/A1ZNUV	A PRINT (FINISHED)		
		RTL	TXN/K1QHVJ	K PRINT (FINISHED)		
		RTL	TXN/P1ZKUT	P PRINT (FINISHED)		
		RTL	TXNGK1AVVK	GK PRINT (FINISHED)		