

Service Manual

LED TV



Model No. TH-L50B6A

Chassis: KM21

Destination: AUSTRALIA

WARNING

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

IMPORTANT SAFETY NOTICE

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

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1 Safety Precautions

1.1. General Guidelines

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

1.1.1. Leakage Current Cold Check

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

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

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

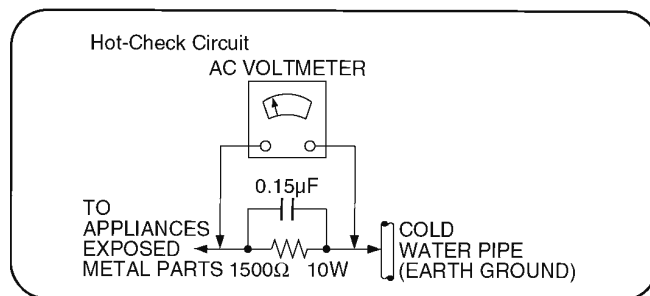


Figure 1

2 Warning

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

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

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

Caution

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

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

2.2. About lead free solder (PbF)

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

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

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

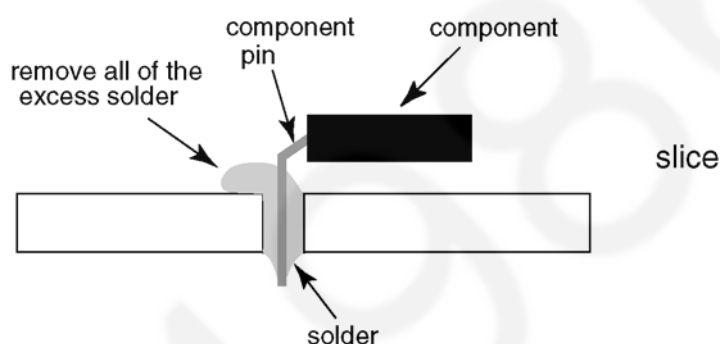
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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

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

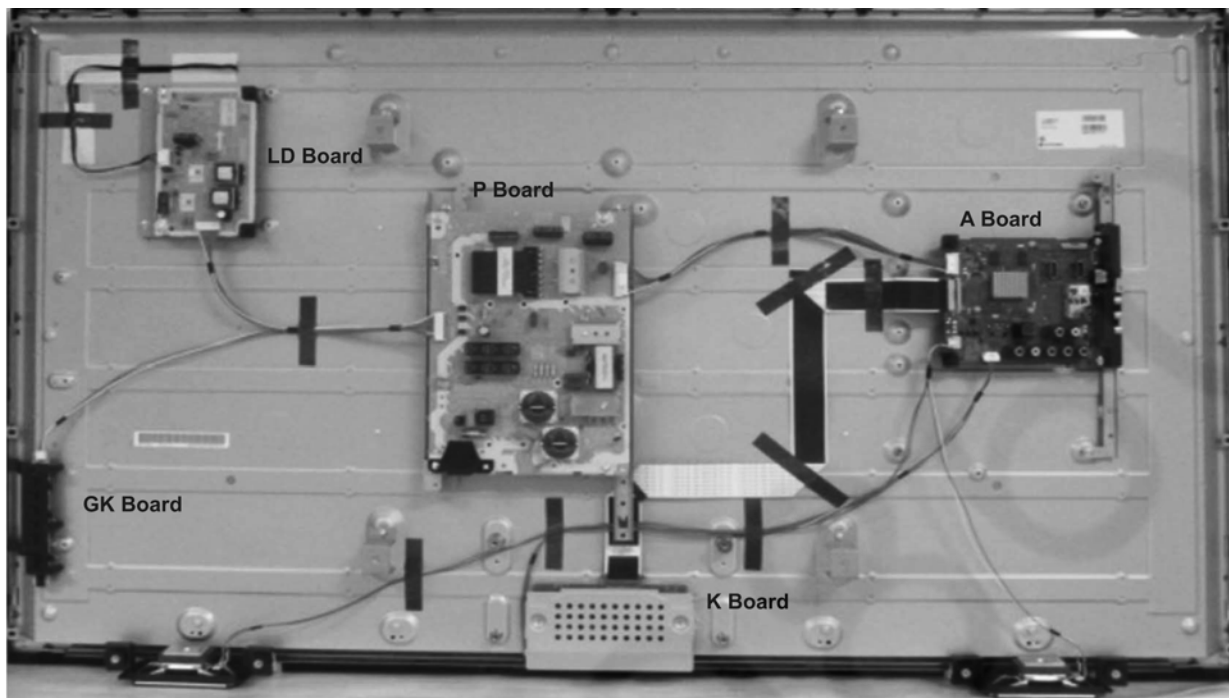
Caution

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



3 Service Navigation

3.1. Service Hint



Board Name	Main Device	Remarks
A BOARD	TUN, OFDM, ADV, LD4, STBY EEP	Repairable
P BOARD	Power Supply (For 32" include function SW)	Repairable
GK BOARD	Function SW	Repairable
K BOARD	LED/RM/CATS	Repairable
LD BOARD	LED DRIVER	Repairable

4 Specifications

Power			
Rating	AC 220 - 240 V, 50/60 Hz 0.76 A		
Normal (Home) mode	74 W		
Standby power consumption	0.2 W		
Display panel			
Panel	TFT LCD Module with LED Backlight		
Visible screen size (diagonal)	126 cm (50 inches)		
Display Resolution	2,073,600 (1,920 (W) × 1,080 (H))		
Sound			
Speaker	(100 mm × 30 mm) × 2 pcs, 8 Ω		
Audio Output	20 W (10 W + 10 W), 10% THD		
Receiving systems / Band name			
Digital TV	7 MHz VHF / UHF (Australia) free-to-air TV broadcast reception		
PAL B / G	Reception of Off air broadcasts		
PAL 60 Hz	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)		
Dimensions (W × H × D)			
With Pedestal (mm)	1,139 × 739 × 275		
TV only (mm)	1,139 × 674 × 89		
Mass (Net)			
With Pedestal (kg)	18		
TV only (kg)	15		
Aerial input	Standard Belling & Lee connector		
Operating Conditions			
Temperature : 0°C - 35°C			
Humidity : 20% - 80% RH (non-condensing)			
Connection Terminals			
AV1 IN	AUDIO L - R	RCA PIN Type × 2	0.5 V[rms]
	VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 Ω)
	COMPONENT	Y	1.0 V[p-p] (including synchronization)
		P _B /C _B , P _R /C _R	±0.35 V[p-p]
AV2 IN	AUDIO L - R	RCA PIN Type × 2	0.5 V[rms]
	VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 Ω)
AUDIO OUT	AUDIO L - R	RCA PIN Type × 2	0.5 V[rms]
DIGITAL AUDIO OUT	PCM / Dolby Digital / DTS, Fibre optic		
HDMI AV IN	TYPE A Connectors × 2		
USB	USB 2.0 TYPE A Connectors × 1		
	DC 5 V, Max. 500 mA		

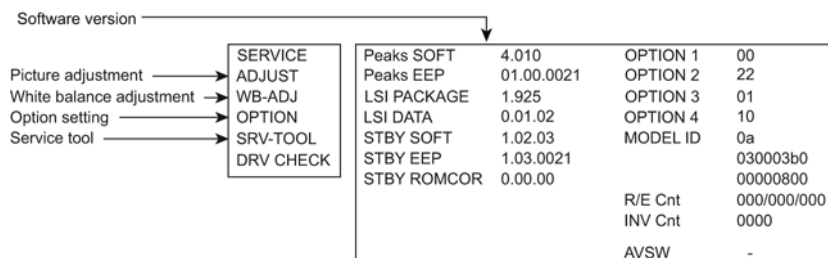
Note

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

5 Service Mode

5.1. How to enter into Service Modes

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



5.1.1. Contents of adjustment mode

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

Main item	Sub item	Sample Data
ADJUST	CONTRAST	
	COLOUR	
	TINT	
	SUB-BRT	
	BACKLGT	
	H POS	
	H AMP	
	V POS	
	V AMP	
	A COM	
WB-ADJ	R-GAIN	8D
	G-GAIN	AE
	B-GAIN	FF
	R-CENT	6C
	G-RENT	80
	B-CENT	A0
OPTION	Boot	ROM
	STBY-SET	00
	EMERGENCY	ON
	CLK MODE	00
	CLOCK	FC7
	Y/C DELAY	DYNAMIC
	OPT 1	00000000
	OPT 2	11100110
	OPT 3	00001001
	OPT 4	00000000
	EDID-CLK	HIGH
SRV-TOOL		00
DRV CHECK		DYNAMIC

5.1.2. How to exit

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

5.1.3. Display of SOS History

SOS History (Number of LED blinking) indication.

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

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

5.1.4. POWER ON TIME/COUNT

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

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

Count : Number of ON times by decimal

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

5.1.5. Exit

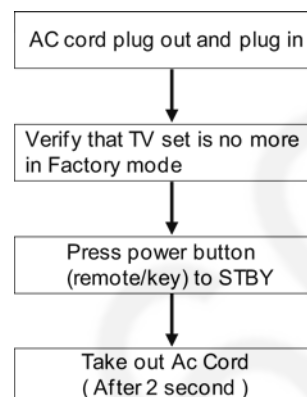
1. Disconnect the AC cord from wall outlet.

5.1.6. Self Check Mode

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

H14TUN	OK	PEAKS-SOFT	4.010		
H90STBY	OK	PEAKS-EEP	01.00.0021		
H91MEM2	OK	LSI-PACKAGE	1.925		
		LSI-RELEASE	0.12	MODEL ID	0a
		STBY-SOFT	1.02.03		030003b0
		STBY-EEP	1.03.0021		00000800

NOTE: After self check, the following process need to follow.



5.1.7. Hotel Mode Adjustment

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

5.1.8. Hotel Mode

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

Then, the Hotel mode setup menu is displayed.

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

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

Item	Function
Mode	Select hotel mode off/on
Initial Input	Select input signal modes. Set the input, when each time power is switched on. Selection : -/RF/HDMI1/HDMI2/HDMI3/Component/Video/PC • Off: give priority to a last memory.
Initial POS	Select channel when input signal is RF. Set the channel, each time power is switched on. Selection : Any channel number or [-]. [-] means the channel when turns off.
Initial LEVEL	Adjust the volume when each time power is switched on. Range : 0 to 100
Maximum Vol LEVEL	Adjust maximum volume. Range : 0 to 100
Button Lock	Restrict the OSD. Selection : OFF/PATTERN1 • OFF: No restriction • PATTERN1: restriction
Remote Lock	Select front key conditions. Selection : OFF/PATTERN1/ALL • OFF: altogether valid. • PATTERN1: only input key is valid. • ALL: altogether invalid.

6 Troubleshooting Guide

Use the self-check function to test the unit.

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

6.1. Check of the IIC bus lines

6.1.1. How to access

Self-check indication only:

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

Self-check indication and forced to factory shipment setting:

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

6.1.2. Exit

Disconnect the AC cord from wall outlet.

6.2. 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:

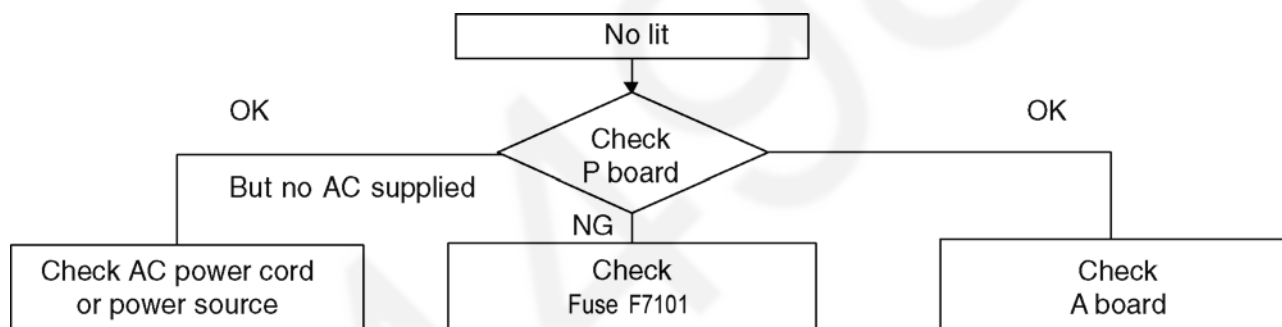
Priority	SOS detection	LED Blink
1	BL_SOS	1
2	SUB_3.3V	7
3	SOUND_SOS	9
4	OVP SOS	8
5	GCX/FRC_SOS	10
6	BE(sLD8/PRO4) SOS	12
7	Emergency SOS	13
8	IROM-SOS	3

6.3. No Power

First check point

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

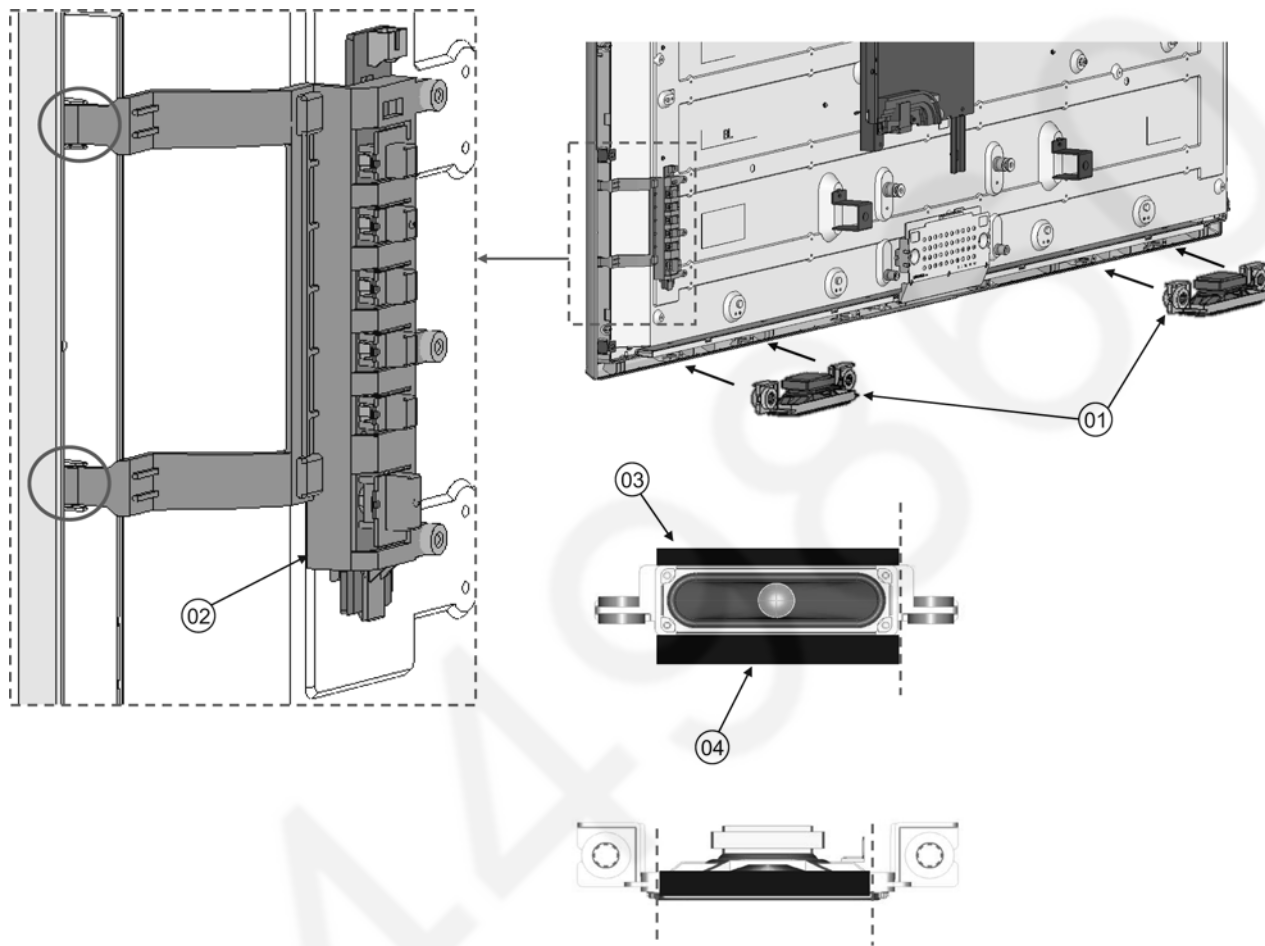
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 6.2.)



7 Disassembly and Assembly Instructions

7.1. Speaker Bracket

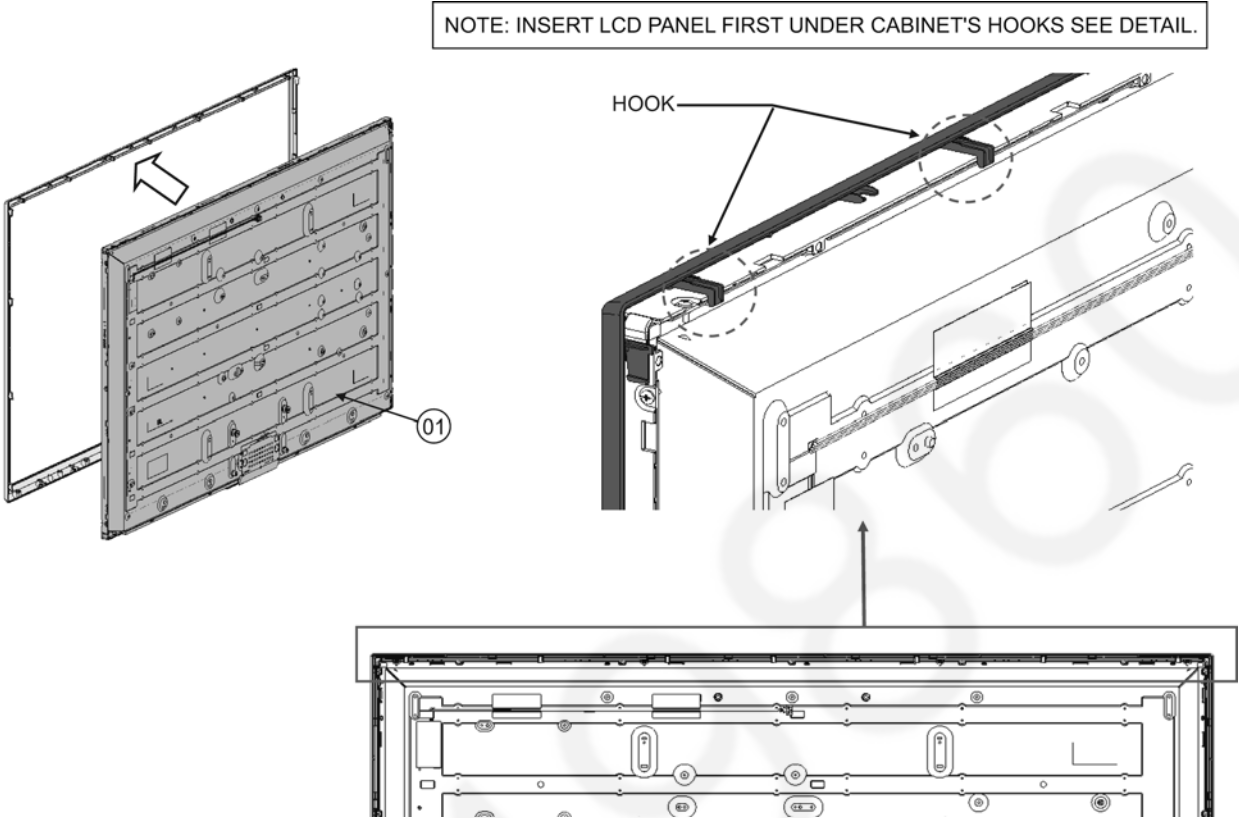
1. Fix Speaker Left & Right.
2. Fix Key button.
3. Stick SPONGE at speaker (Left & Right).



No	Description	Qty	UOM	Remarks
01	SPEAKER UNIT	2	PC	
02	KEY BUTTON BRACKET	1	PC	
03	SPONGE	2	PC	10 × 100 × 10t
04	SPONGE	2	PC	10 × 100 × 8t

7.2. LCD Panel Assembly

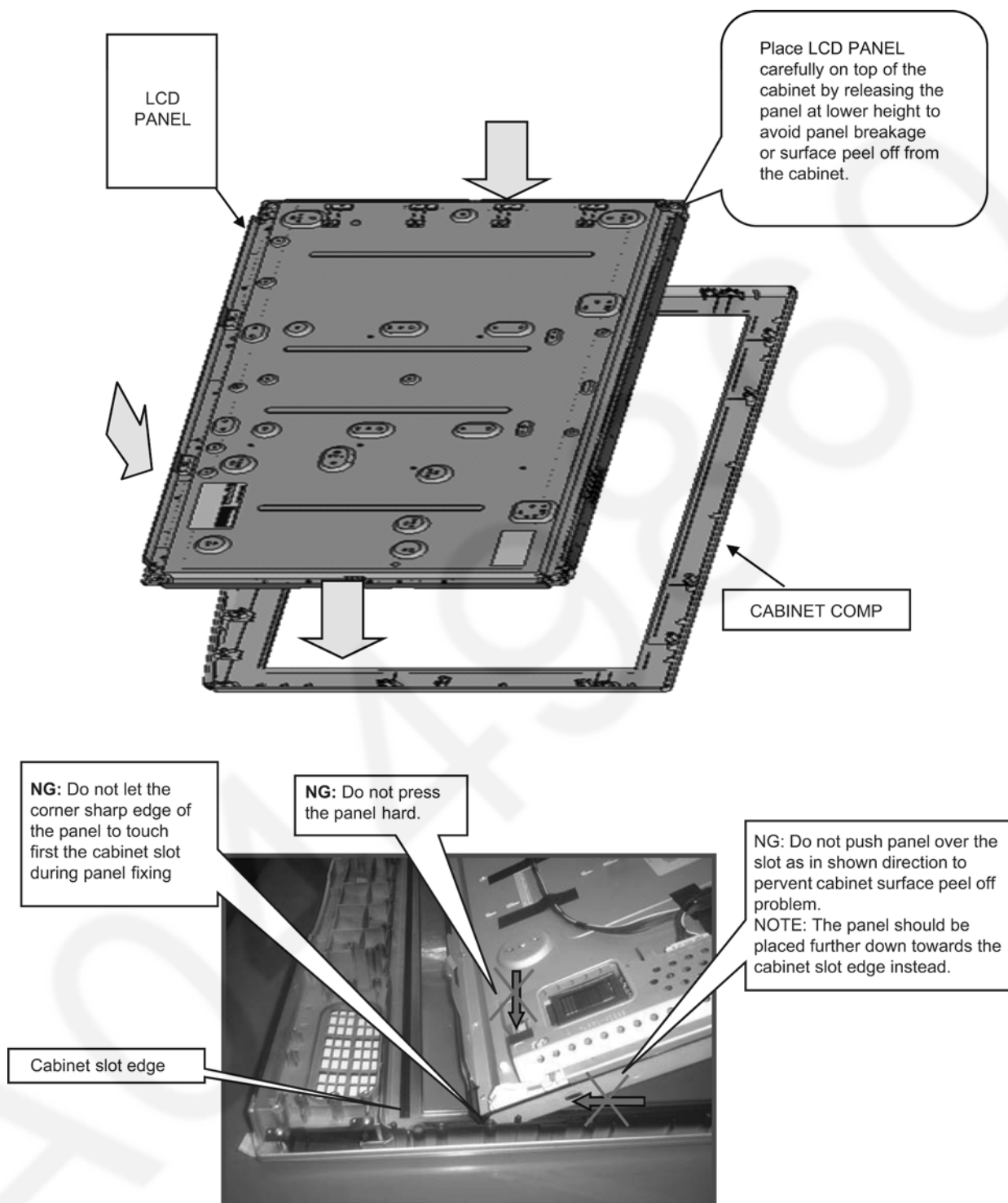
Install LCD panel to cabinet.



No	Description	Qty	UOM
01	LCD PANEL	1	PC

7.3. LCD Panel Fixing & Handling Method

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

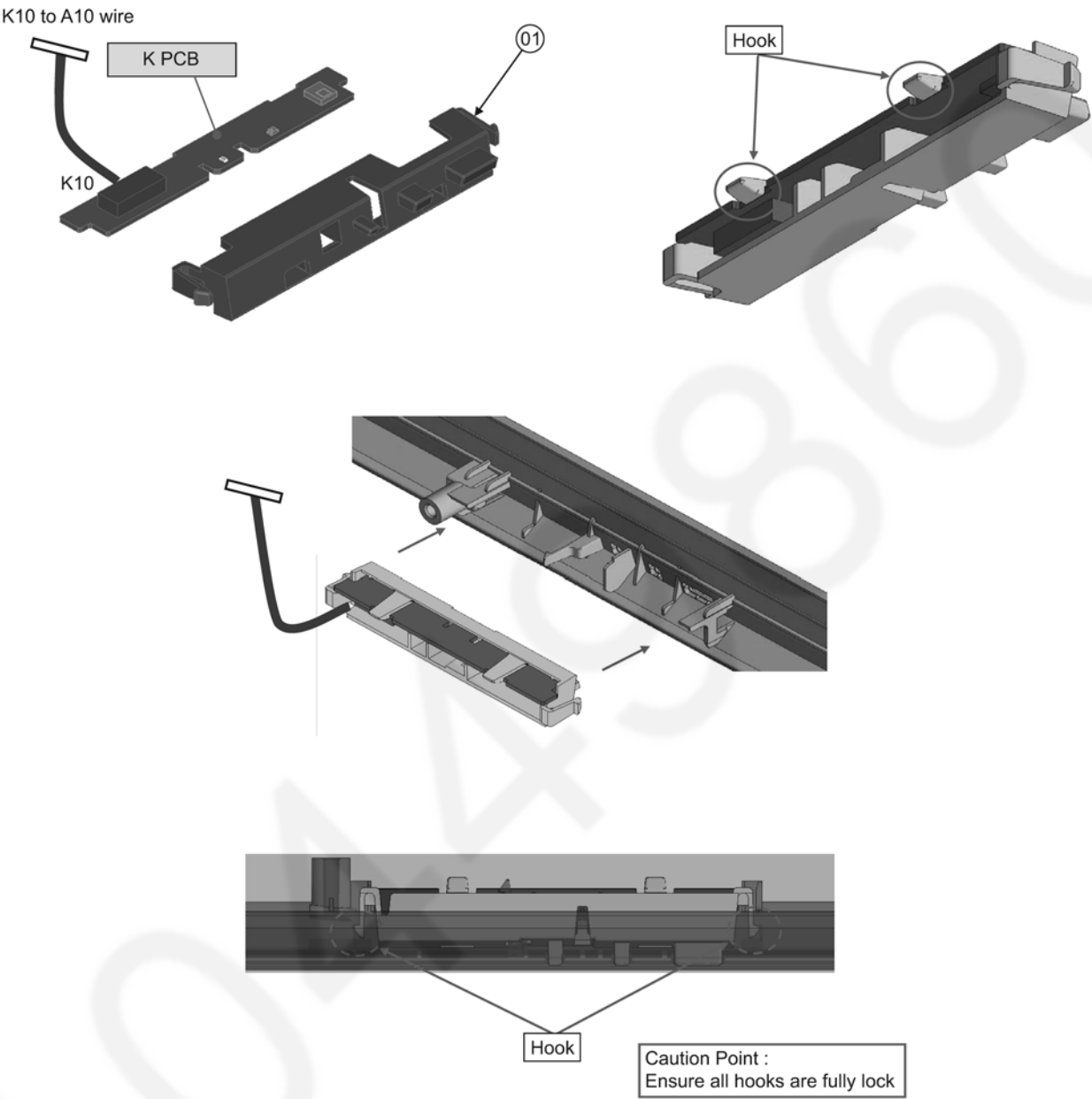


Other general precautions

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

7.4. LED Panel and Bracket Ass’y

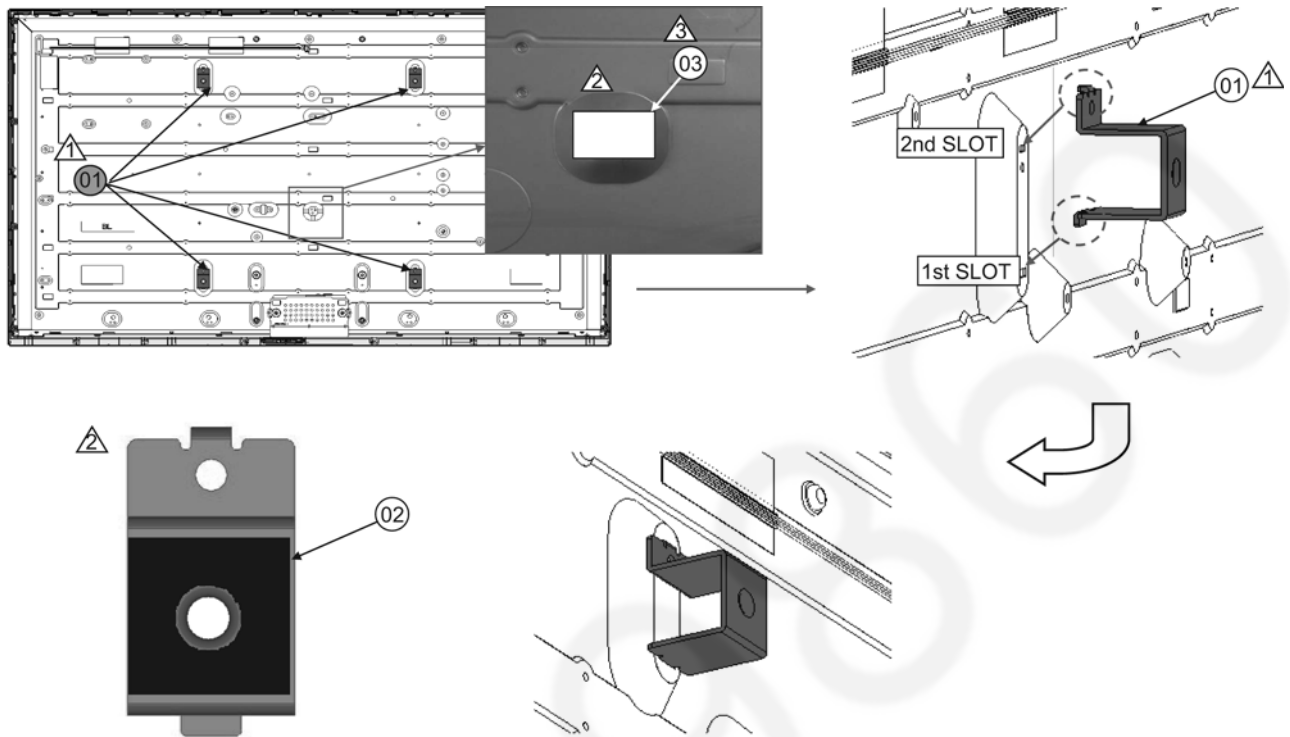
- 1. Fixing wire A10 to K PCB.
- 2. Fixing K PCB to LED Panel.
- 3. Fixing LED Panel to cabinet.



No	Description	Qty	UOM
01	LED PANEL	1	PC

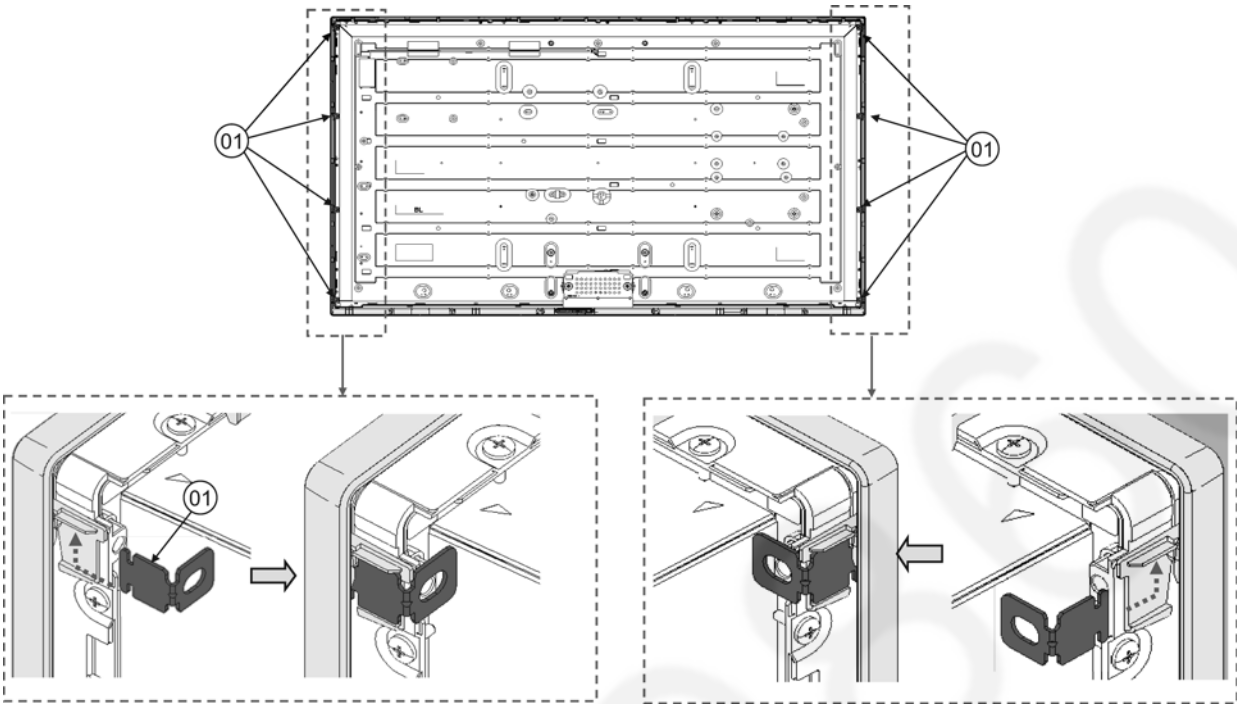
7.5. Vesa Metal

1. Fix Vesa Metal & screw.
2. Stick felt at all Vesa Metal - 4 pcs.



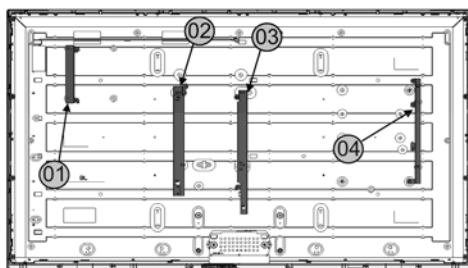
No	Part No	Description	Qty	UOM	Remarks
01	TKZ5ZX50531	VESA METAL	4	PC	
02	TMK4GA333	FELT	4	PC	23 × 23 × 0.55t (8mm hole)
03	TMK4GA094	FELT	1	PC	20 × 24 × 0.35t

7.6. Side Metal Bracket

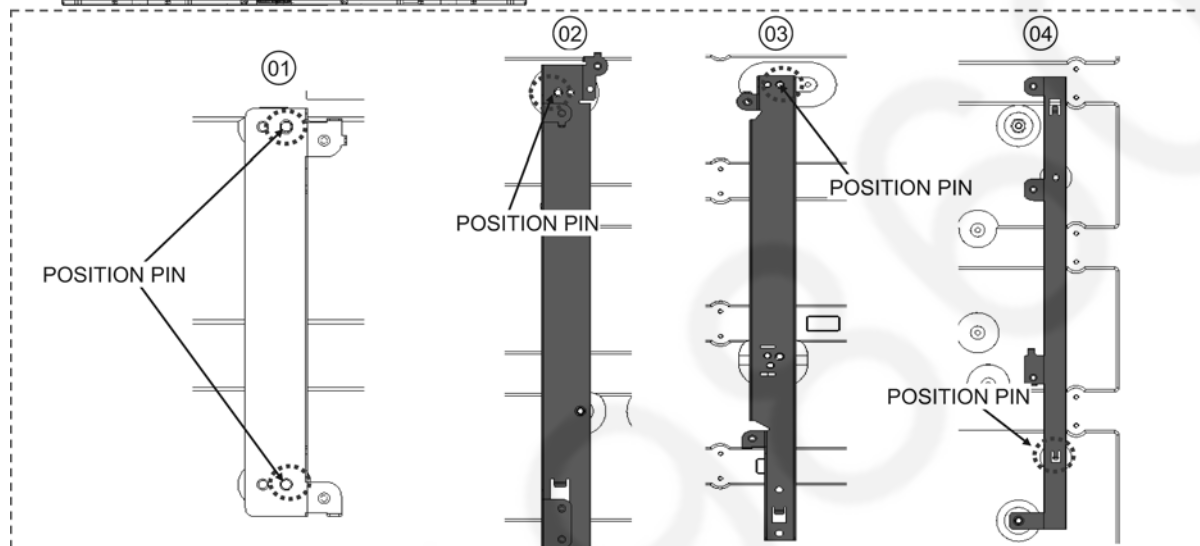


No	Description	Qty	UOM
01	METAL_BRACKET-SIDE (L/R)	8	PC

7.7. Metal Bracket 1



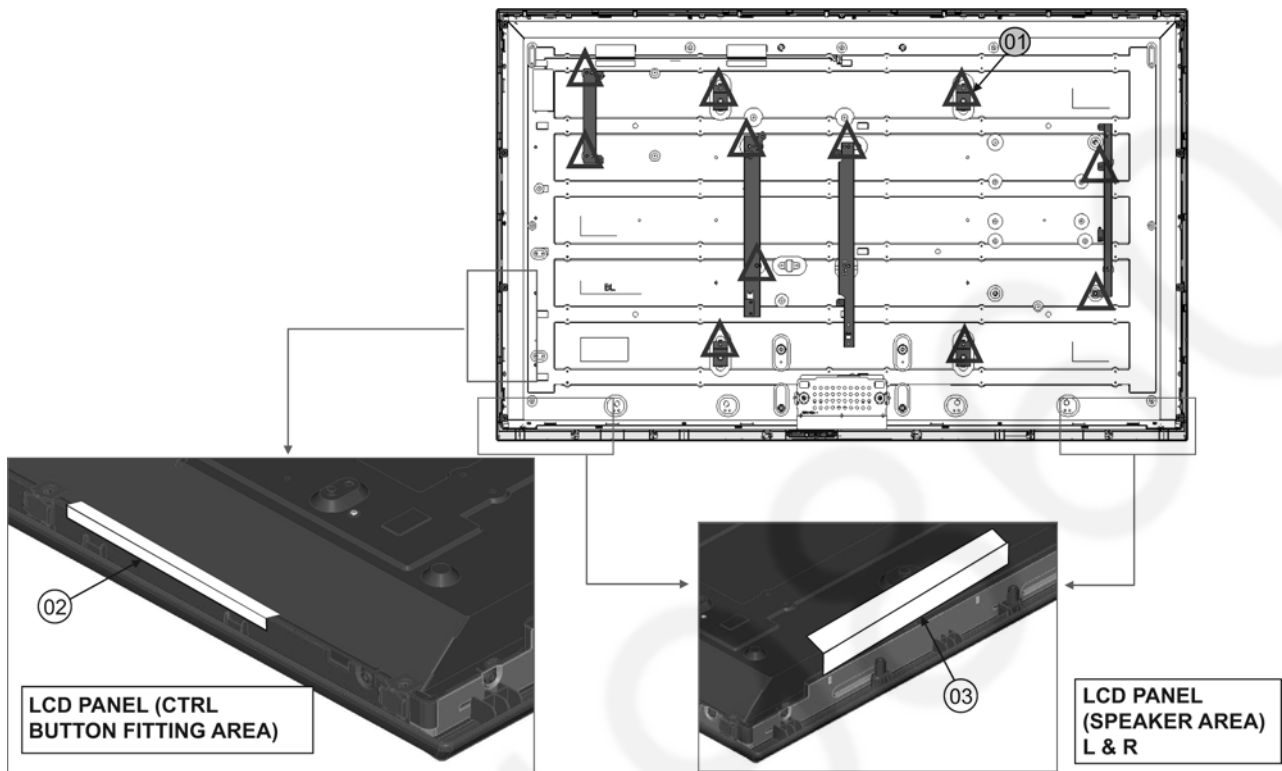
INSERT METAL BRACKET WITH THE HELP OF POSITION PINS ONTO PANEL AND SCREW THEM ACCORDING TO PICTURE.



No	Description	Qty	UOM
01	METAL LED DRIVER	1	PC
02	METAL VERTICAL L	1	PC
03	METAL VERTICAL R	1	PC
04	METAL MTG A BOARD	1	PC

7.8. Metal Bracket 2

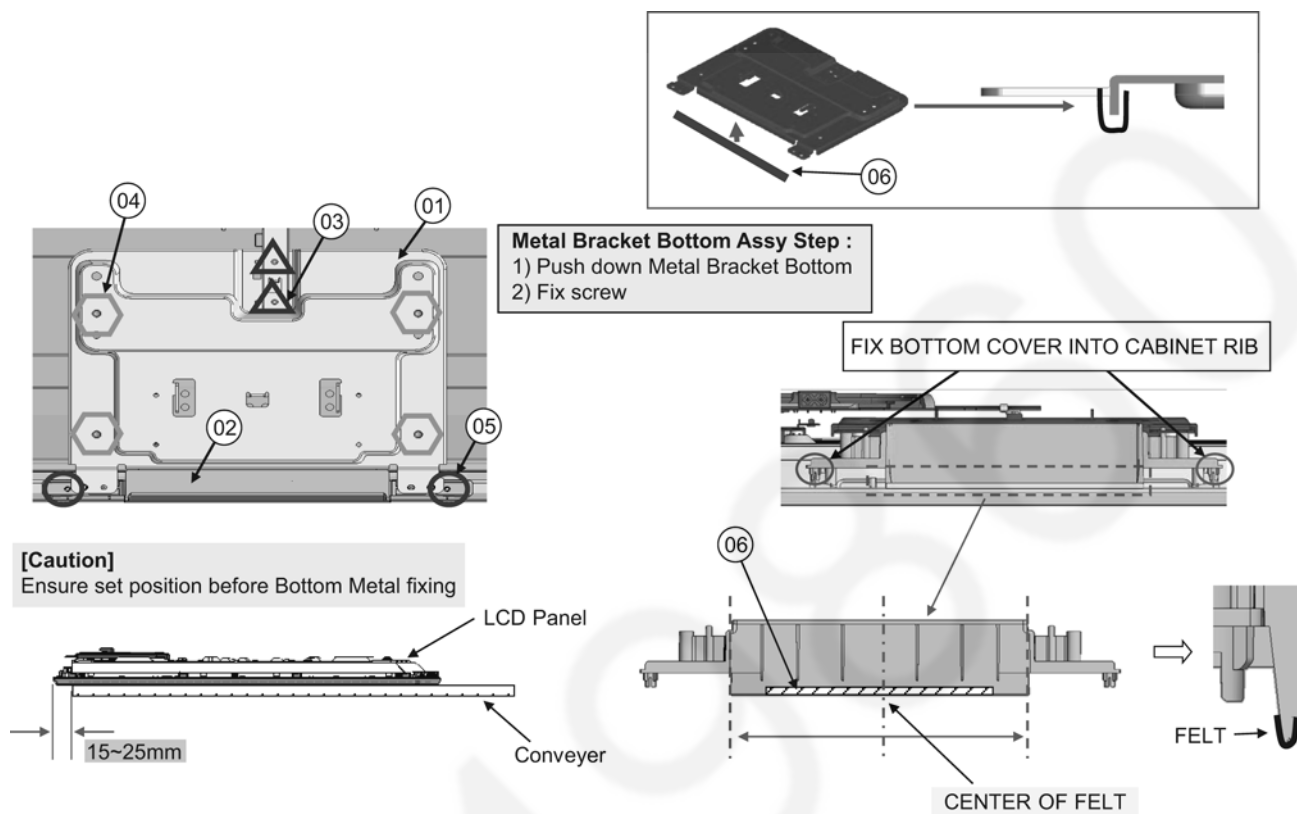
- 1. Fix screw all screw.
- 2. Stick felt at LCD Panel (Control Button & speaker area).



No	Description	Qty	UOM	Remarks
01	SCREW (P10/A4/DRIVER4/VESA4)	11	PC	6 ±1 kgf.cm
02	FELT	1	PC	8 × 110 × 0.35t
03	FELT	2	PC	15 × 160 × 0.9t

7.9. Metal Bracket Bottom

1. Fix screw at bottom cover.
2. Fix screw at Metal Bracket Bottom.



No	Description	Qty	UOM	Remarks
01	METAL BRACKET BOTTOM	1	PC	
02	BOTTOM COVER	1	PC	
03	SCREW (P10/A4/DRIVER4/VESA4)	2	PC	6 ±1 kgf.cm
04	SCREW (BTM MTG4)	4	PC	7~8 kgf.cm
05	SCREW (SP4/BTM CVR2)	2	PC	8 ±1 kgf.cm
06	FELT	2	PC	10 × 140 × 0.55t

7.10. PCB Installation

1. Install P & A-Board and fix it with screws.
2. Install Side AV Bracket and fix with screws.

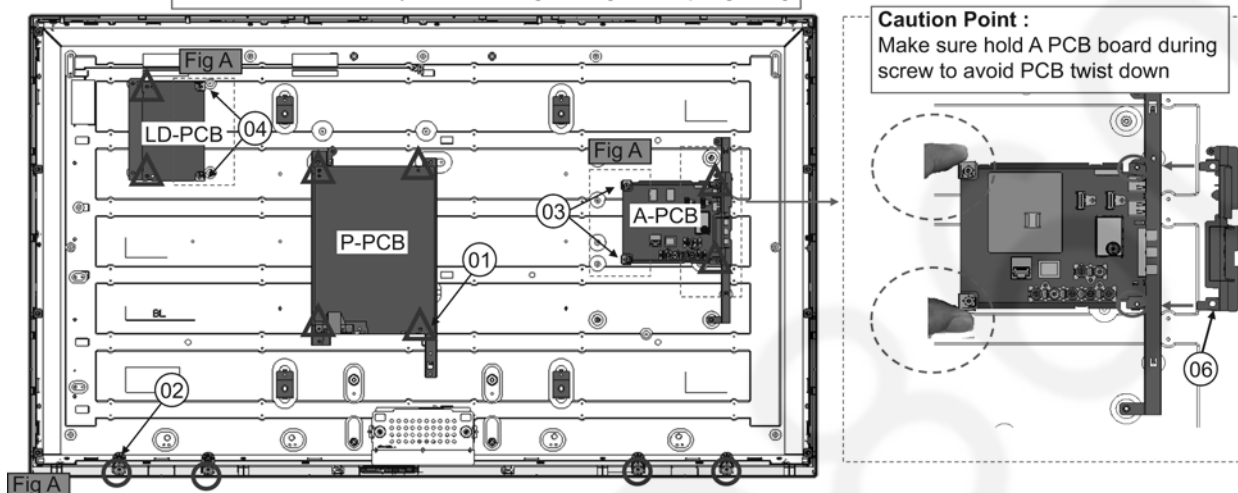
Caution Point :

Make sure follow assy sequence form 1 to 2

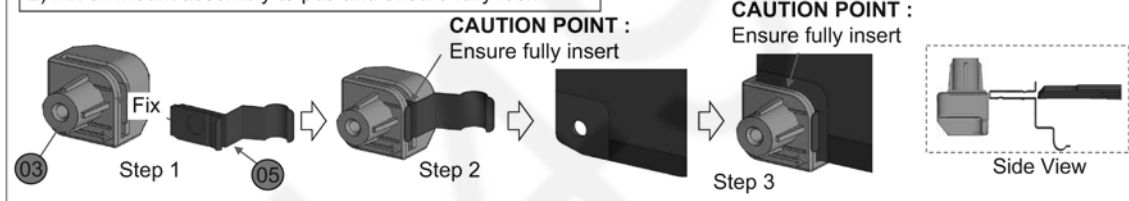
1 - Slot Chassis bracket (with ground spring) into LD PCB

2 - Fix LD PCB & screw.

Note: Please follow assy content in Fig. A for ground spring fixing


ASSEMBLY CONTENT :

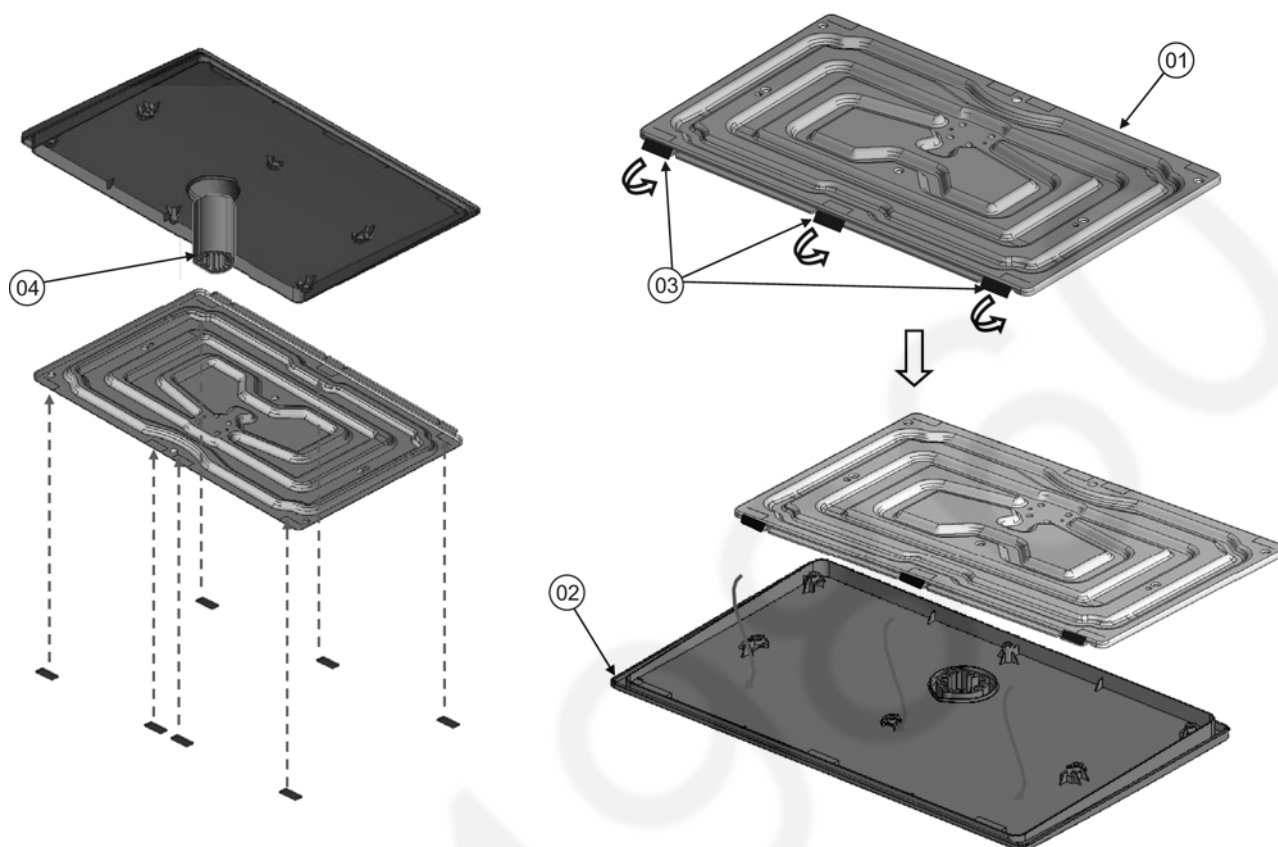
- 1) Fix ground spring at ch mount boss and ensure fully lock
- 2) Fix ch mount assembly to pcb and ensure fully lock



No	Description	Qty	UOM	Remarks
01	SCREW (P10/A4/DRIVER4/VESA4)	8	PC	6 ±1 kgf.cm
02	SCREW (SP4)	4	PC	8 ±1 kgf.cm
03	CHASSIS BRACKET (A-BOARD)	2	PC	
04	CHASSIS BRACKET (LED)	2	PC	
05	GROUND SPRING	4	PC	
06	SIDE AV BRACKET	1	PC	

7.11. Pedestal Ass'y 1

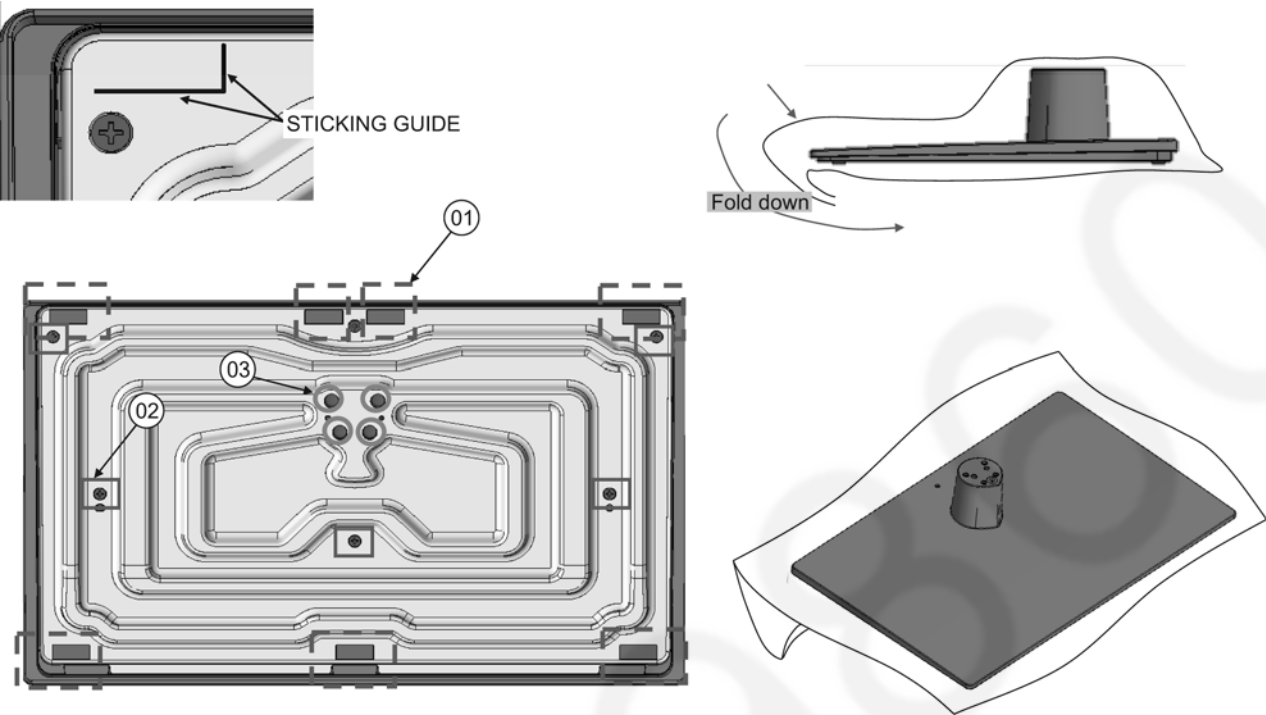
Fix Rubber foot 6 pc at base cover.



No	Part No	Description	Qty	UOM
01	TBL5ZA34581	PEDESTAL BASE	1	PC
02	TBL5ZB33341	BASE COVER	1	PC
03	TMK4GA027	FELT	3	PC
04	TBL5ZA34511	NECK BASE	1	PC

7.12. Pedestal Ass'y 2

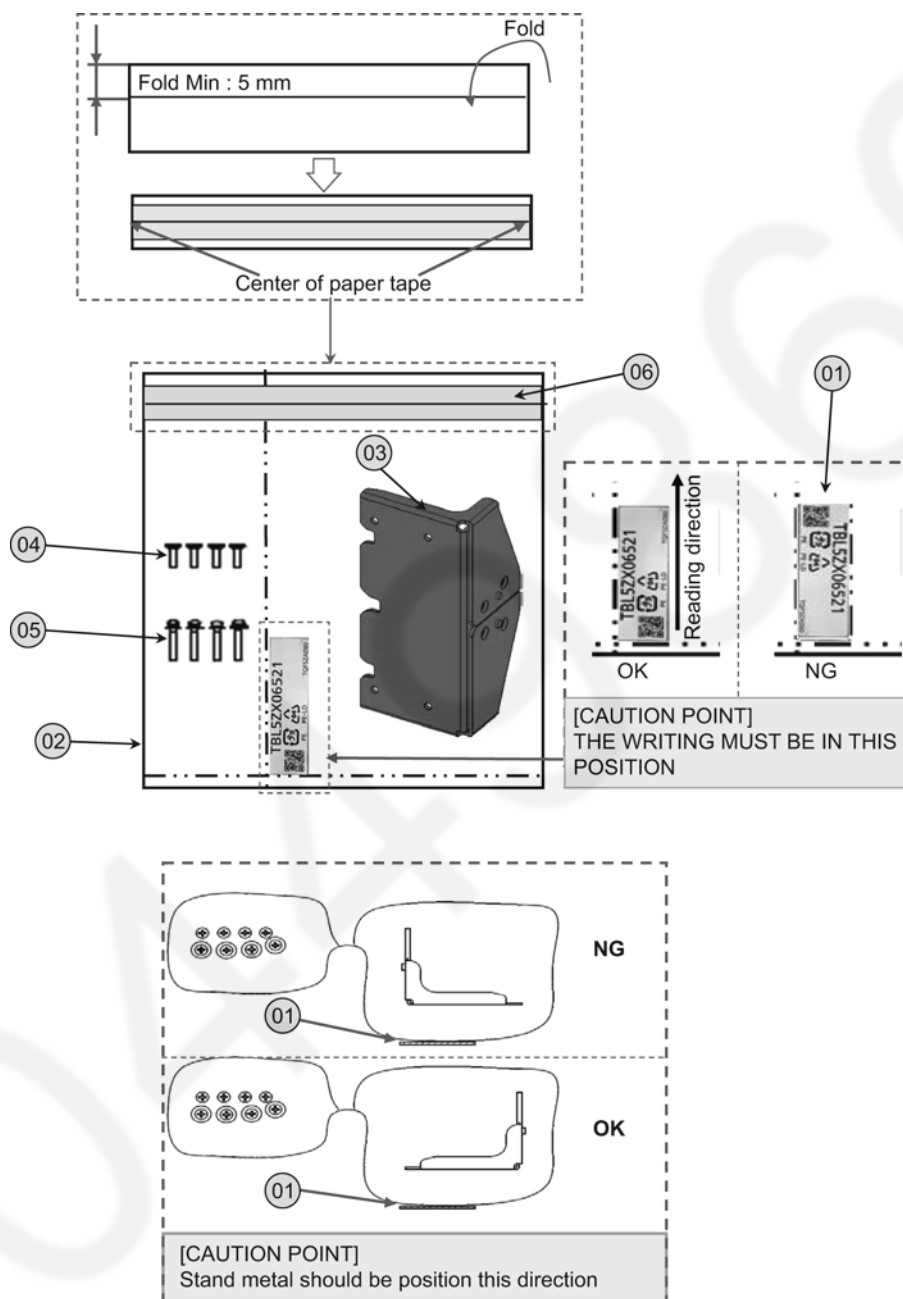
Fix Rubber foot 6 pc at base cover.



No	Part No	Description	Qty	UOM	Remarks
01	TBL4GG3009	RUBBER FOOT	7	PC	
02	XTS4 + 10GFJ	SCREW	5	PC	11 ± 2 kgf.cm
03	XYN5 + F15FJ	SCREW	4	PC	14 ± 2 kgf.cm

7.13. Stand MTG Assy

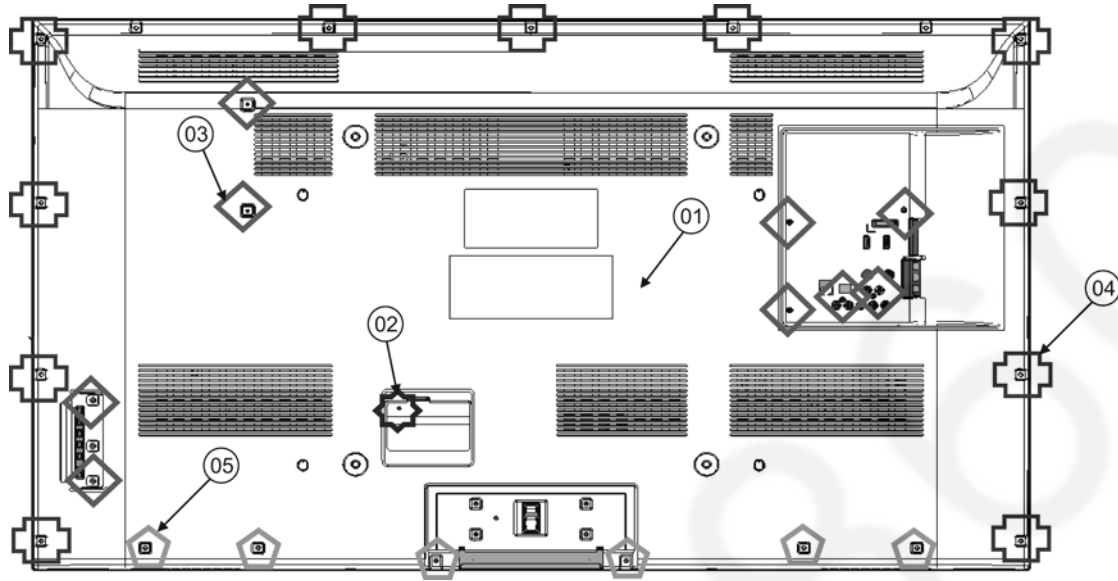
1. Insert stand metal in plastic bag.
2. Insert screw in plastic bag (2 type).
3. Fold plastic bag and stick paper tape.
4. Stick barcode label at plastic bag.



No	Part No	Description	Qty	UOM
01	TQF4GA267	QR CODE LABEL	1	PC
02	TPE4GH091	BAG	1	PC
03	TBL5ZA34551	STAND_METAL	1	PC
04	XYN4 + F12FJK	SCREW	4	PC
05	XSS5 + 16FJK	SCREW	4	PC
06	T5E4G62400	YELLOW MASKING TAPE	0.13	MT

7.14. Back Cover Installation

1. Install Back Cover.
2. Fix screws.



No	Description	Qty	UOM	Remarks
01	BACK COVER	1	PC	
02	SCREW (B7)	1	PC	6 ± 1 kgf.cm
03	SCREW (TERMINAL5/L2/CTRL2)	9	PC	6 ± 1 kgf.cm
04	SCREW(BC17)	11	PC	11 ± 2 kgf.cm
05	SCREW (BC17)	6	PC	9 ± 1 kgf.cm

7.15. Handling SPEC

■ Moving the LCD module

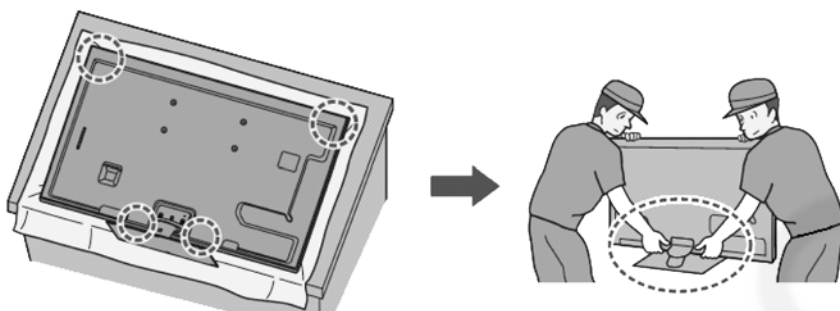
The module should be handle by two people and hold on that top and bottom long side by both hands without module warping. Never handle the module with keeping horizontal position when moving the module in order to avoid internal damage and deformation. Never drop or hit the module.

■ 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	TP4097	$12.1 \pm 0.8V$
SUB3.3V	TP5400	$3.32 \pm 0.165V$
SUB1.1V	TP8101	$1.14 \pm 0.07V$
SUB1.5V	TP8100	$1.52 \pm 0.05V$
SUB5V	TP5420	$5.0 \pm 0.25V$
HDMI3.3V	TP8000	$3.3 \pm 0.16V$

8.2. Voltage chart of P-board

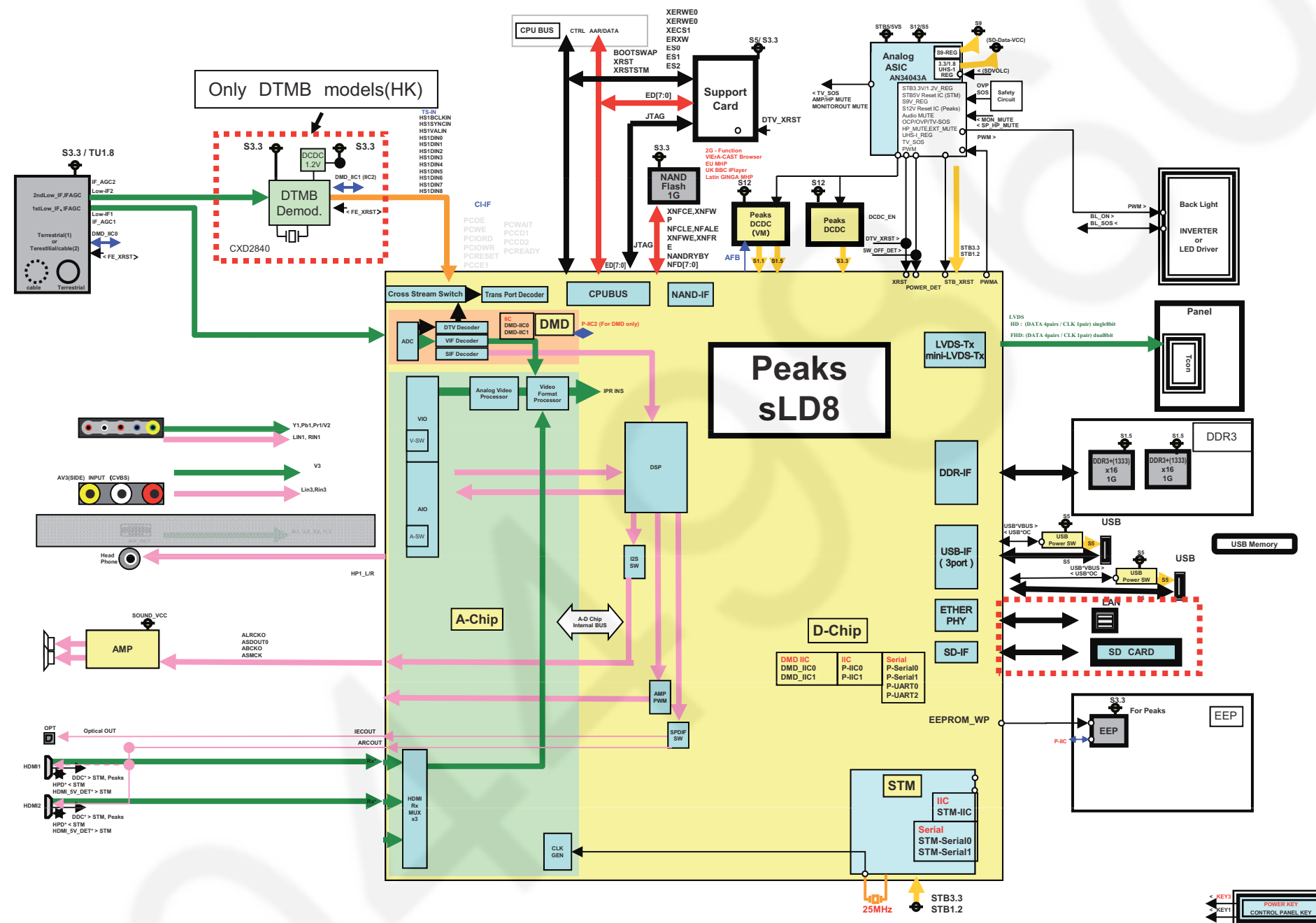
Set P-Board to a dummy load and check the satisfaction with the specified voltage as following table.

Output	Test Point	Specification	
		Operate	STBY
24V (PANEL)	TP7407 or TP7408	$24 \pm 1.2V$	<1V
16V	TP7410 or TP7412	$15.7 \pm 0.6V$	<1V
5VS	TP7501	$5.3 \pm 0.2V$	$5.3 \pm 0.2 V$
PFC	TP7201	$390 \pm 15V$	<340V

*HOT

9 Block Diagram

9.1. Main Block Diagram

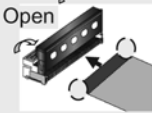


10 Wiring Connection Diagram

10.1. Wire Dressing 1

Do wire dressing follow below spec.

FIG. 1 Reference flexibles prepare intimately connected cables



Open

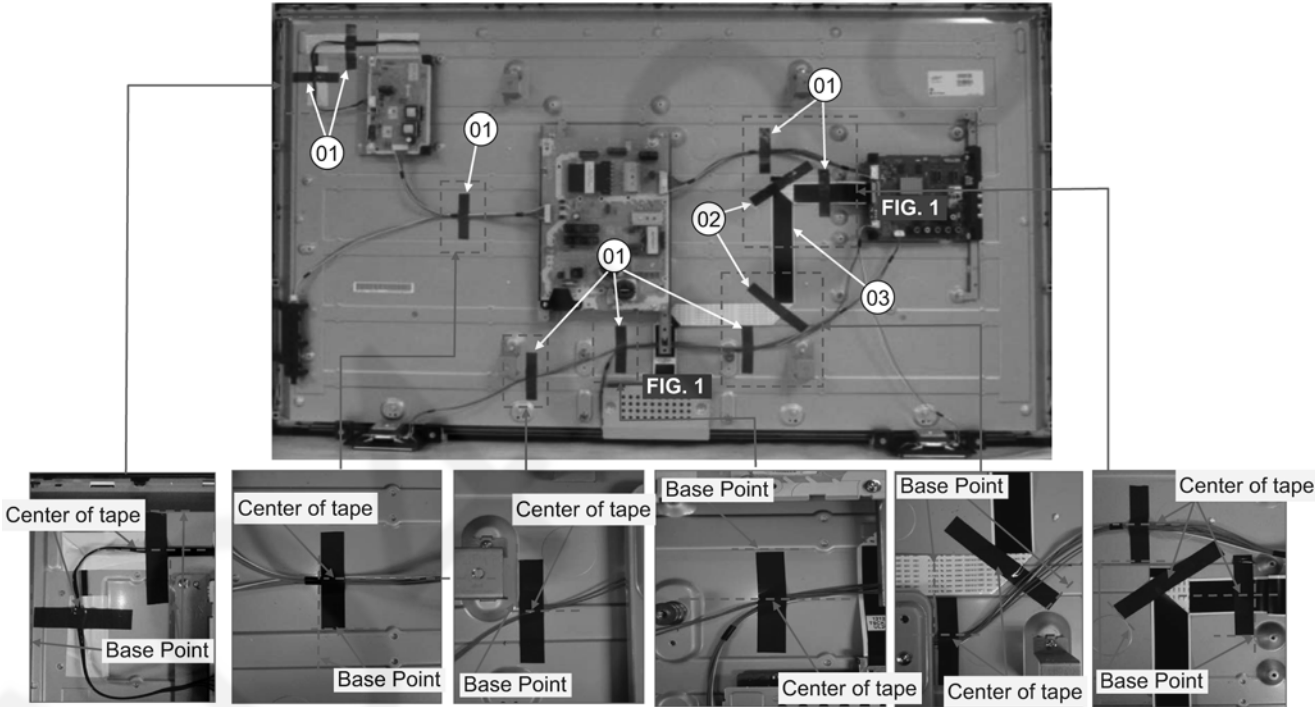
Insert the hooks on both sides of the flexible cable

NOTE: Ensure that the cable is properly inserted.



Close the press for the connector plug at both ends using 2 hands.

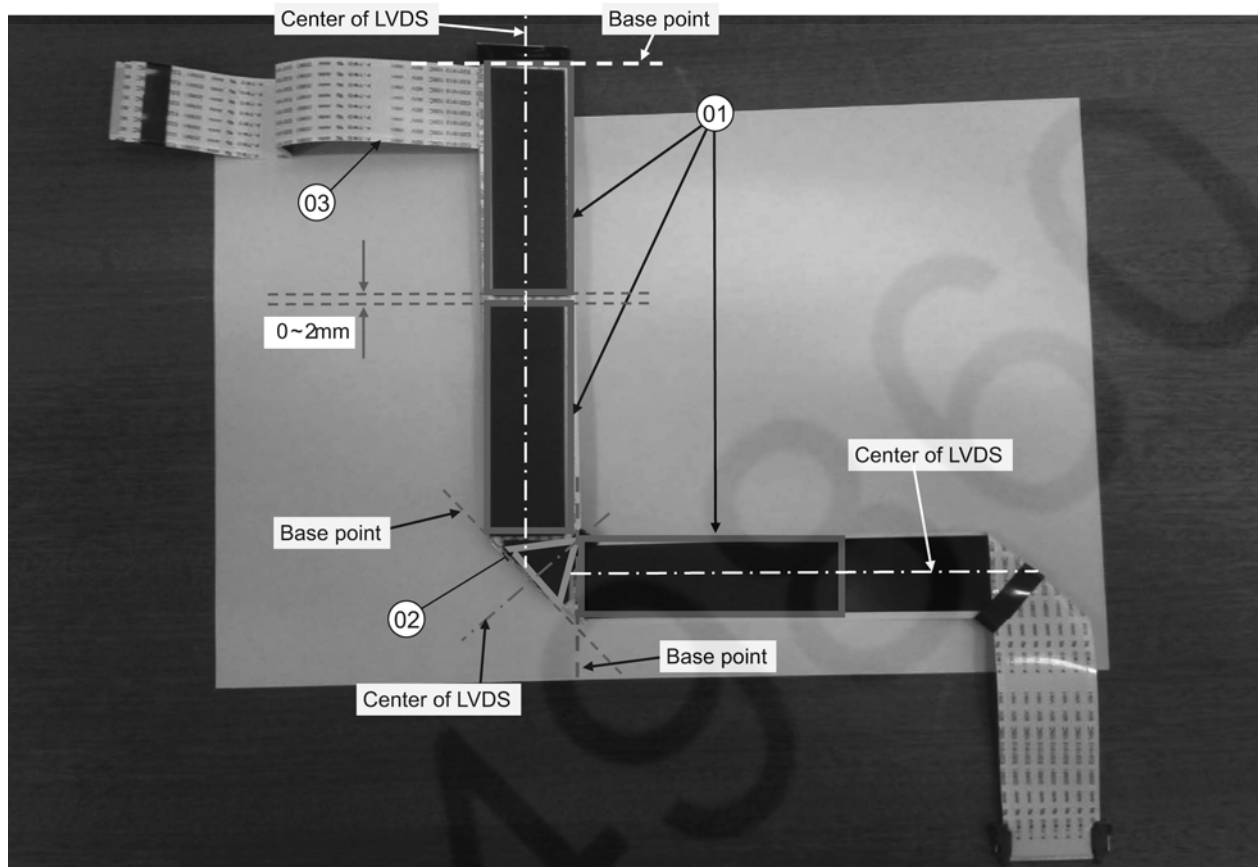
NOTE: If you want to disconnect the flexible, open the gate of the connector and gently pull at the same time to remove.



No	Description	Qty	UOM	Remarks
01	PET TAPE (GREY W=15mm)	0.55	MT	0.07 × 8
02	PET TAPE (GREY W=15mm)	0.2	MT	0.10 × 2
03	LVDS CABLE	1	PC	

10.2. Wire Dressing 2

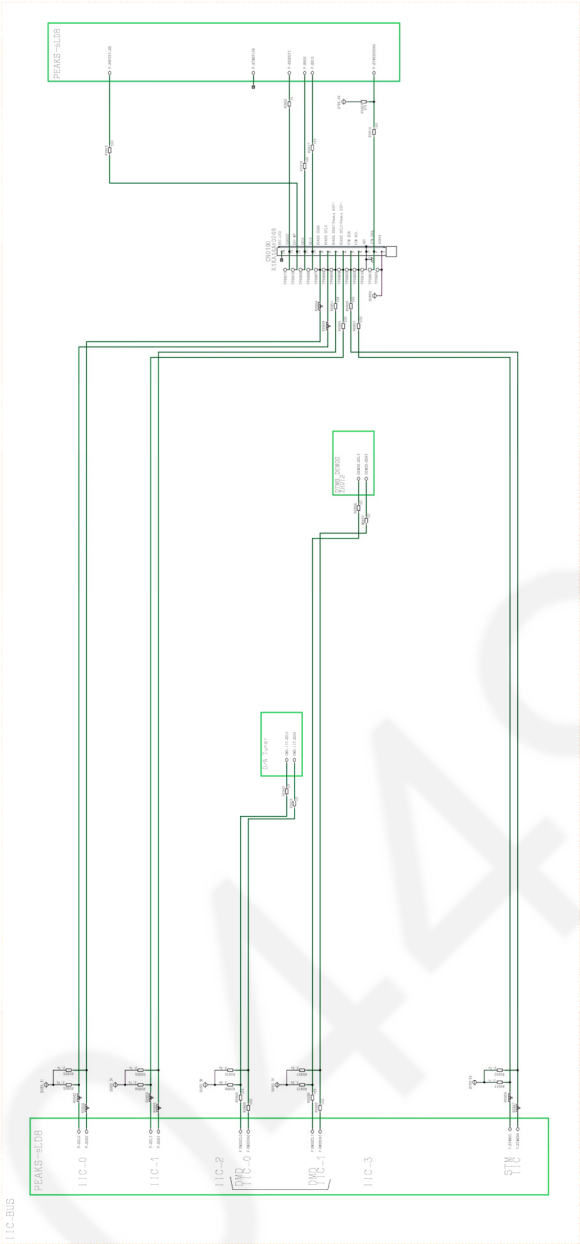
Stick sponge at LVDS cable.



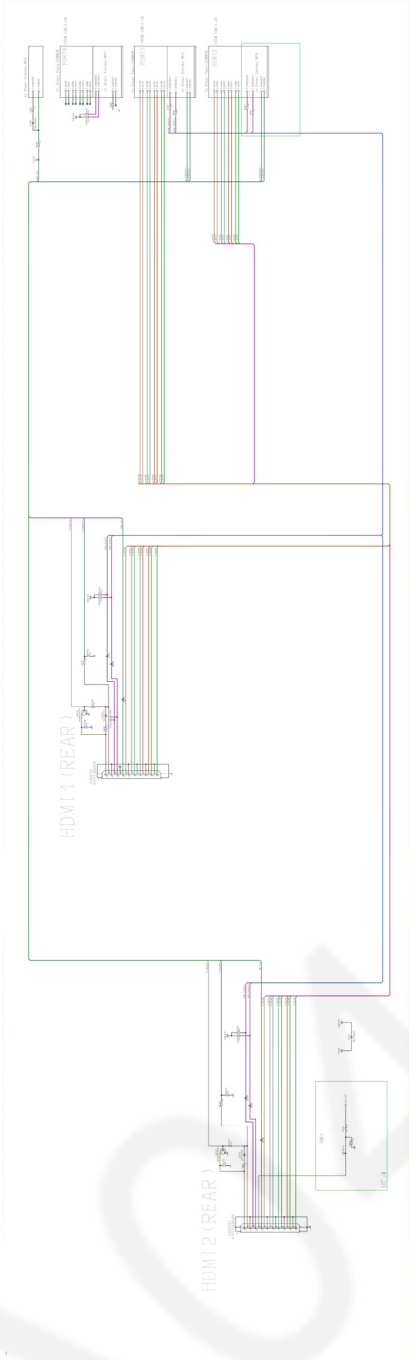
No	Description	Qty	UOM
01	SPONGE	3	PC
02	SPONGE	1	PC
03	LVDS CABLE	1	PC

11 Schematic Diagram

Model No. : TH-L50B6A A-Board (1/18)

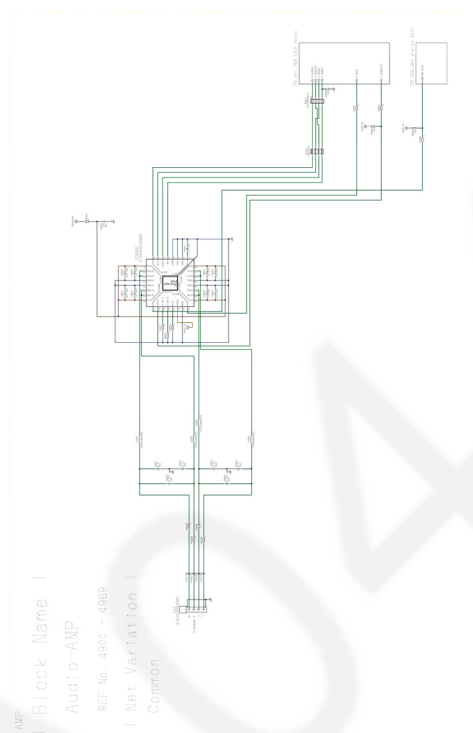


SHEET 002
IIC Net
REF No. 0900 - 0999
[Net Variation]
Each PCB



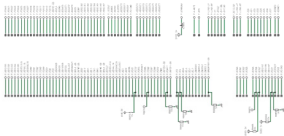
SHEET 003
HDMI/AudioAMP
REF No. 4980 - 4159
(Net Variation)
Each PCB

Model No. : TH-L50B6A A-Board (2/18-2)

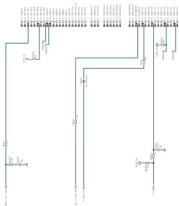


SHEET 005
PEAKS-OTHER

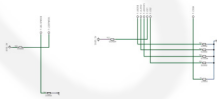
[Block Name]
Peaks Port
REF No. 8870 - 8899
[Net Variation]
Common



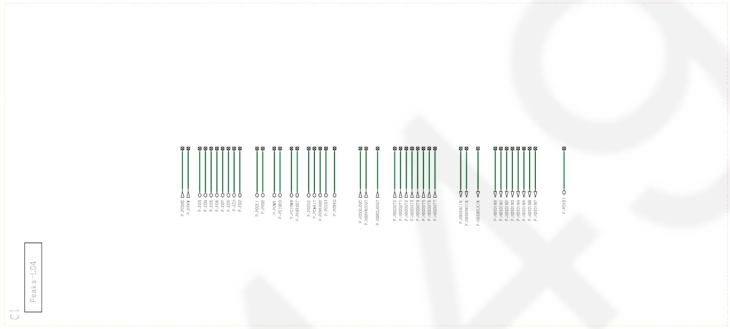
[Block Name]
STM Port
REF No. 8850 - 8870
[Net Variation]
Common



[Block Name]
Initial SETUP
REF No. 8800 - 8849
[Net Variation]
Common



SHEET C06
CI/B-CAS
REF No. 8400 - 8449
[Net Variation]
Common



[Block Name]
B-CAS

REF No. 2700 - 2749

[Net Variation]



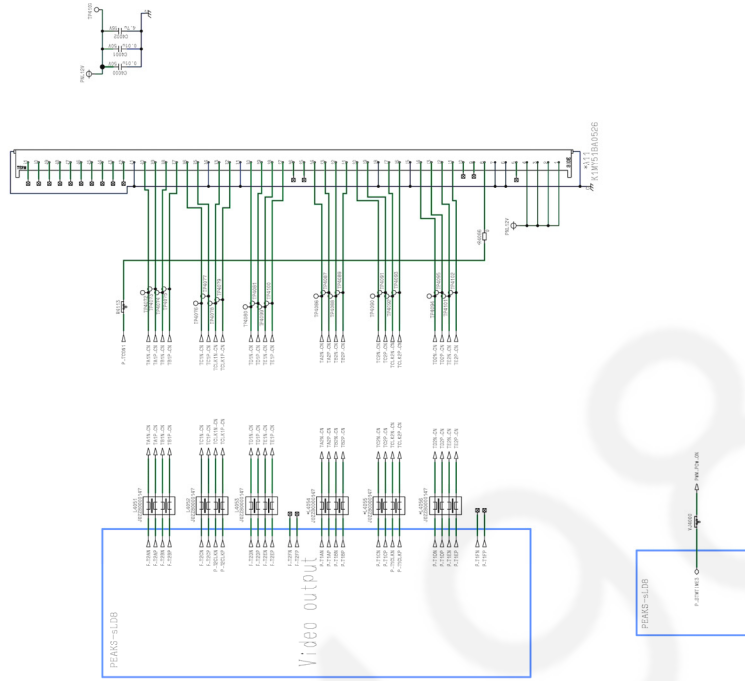
SHEET 009

LVDS-IF

REF No. 4000 - 4499

[Net Variation]

LVDS



Model No. : TH-L50B6A A-Board (7/18-1)

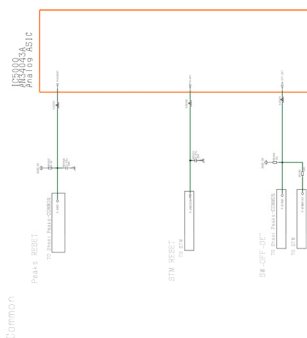
[Block Name]

POWER_DET

REF No. 5140 - 5169

[Net Variation]

Common



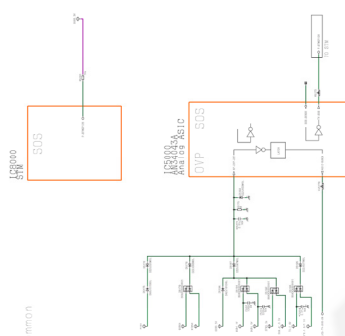
[Block Name]

SOS

REF No. 5170 - 5199

[Net Variation]

Common

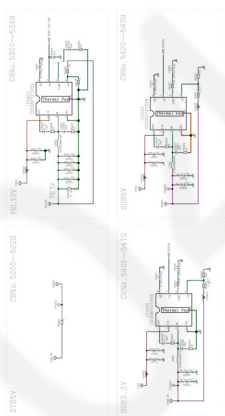


SHEET 100
POWER-Mode I

REF No. 5200 - 5249

[Net Variation]

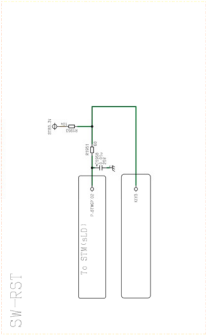
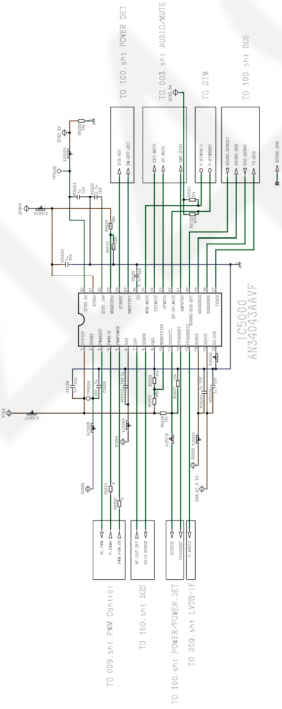
LCD



Model No. : TH-L50B6A A-Board (7/18-2)

[Block Name]
Analog ASIC
REF No. 5000 - 5139
[Net Variation]
Common

[Block Name]
POWER KEY RESET
REF No. 1951 - 1999
[Net Variation]
Common
NonUse

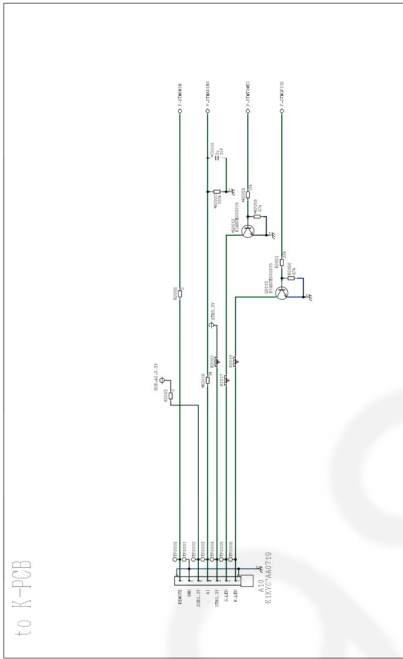
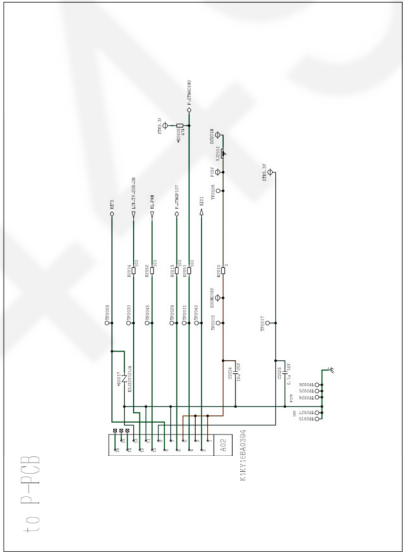


SHEET 101
SET

REF No. 2000 - 2299

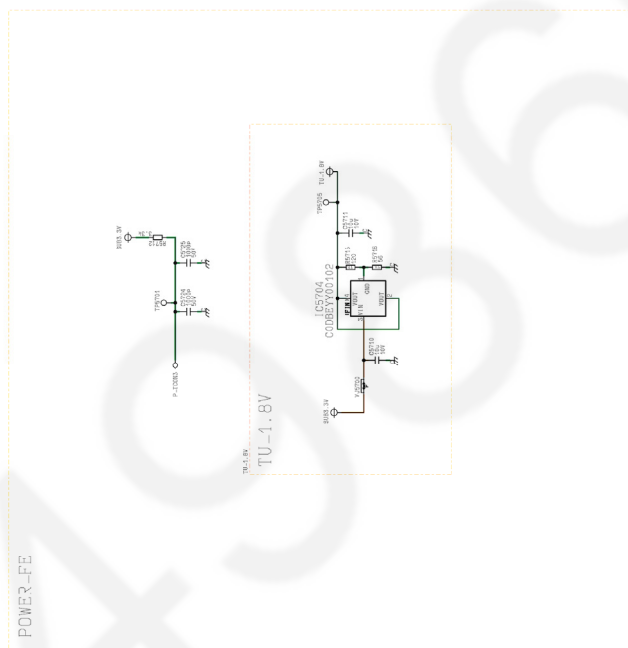
[Net Variation]

TNPH0993



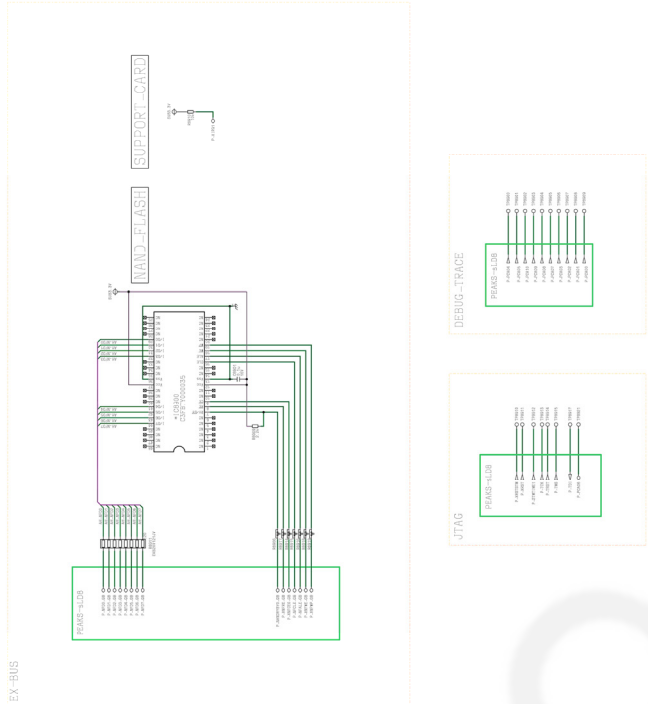
REF No. 5700 - 5899

[Net Variation]



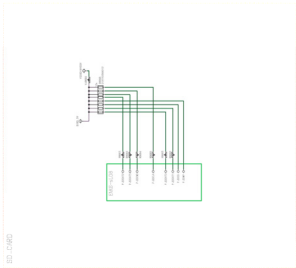
SHEET 300
COMMON_NAND/SPC/EEPROM/JTAG

REF No.
[Net Variation]
Common

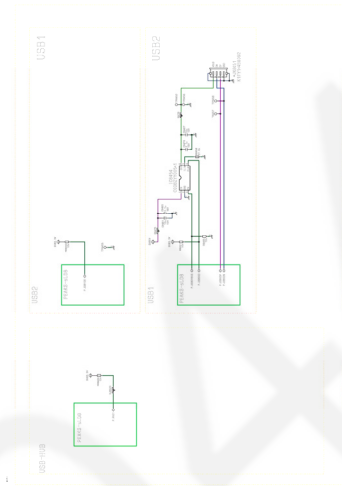


SHEET 301
COMMON-ETHERPHY/USB/SD

[Block Name]
SD
REF No. 8660 - 8699
[Net Variation]



[Block Name]
USB
REF No. 8450 - 8599
[Net Variation]
Common



[Block Name]
LAN
REF No. 8600 - 8659
[Net Variation]
Common



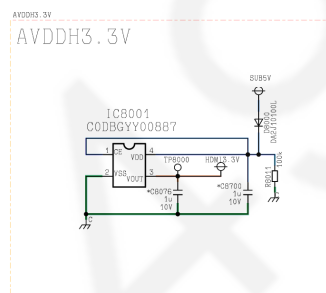
SHEET 302

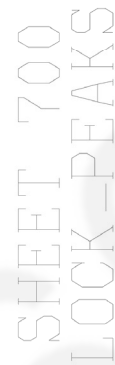
POWER-Peaks

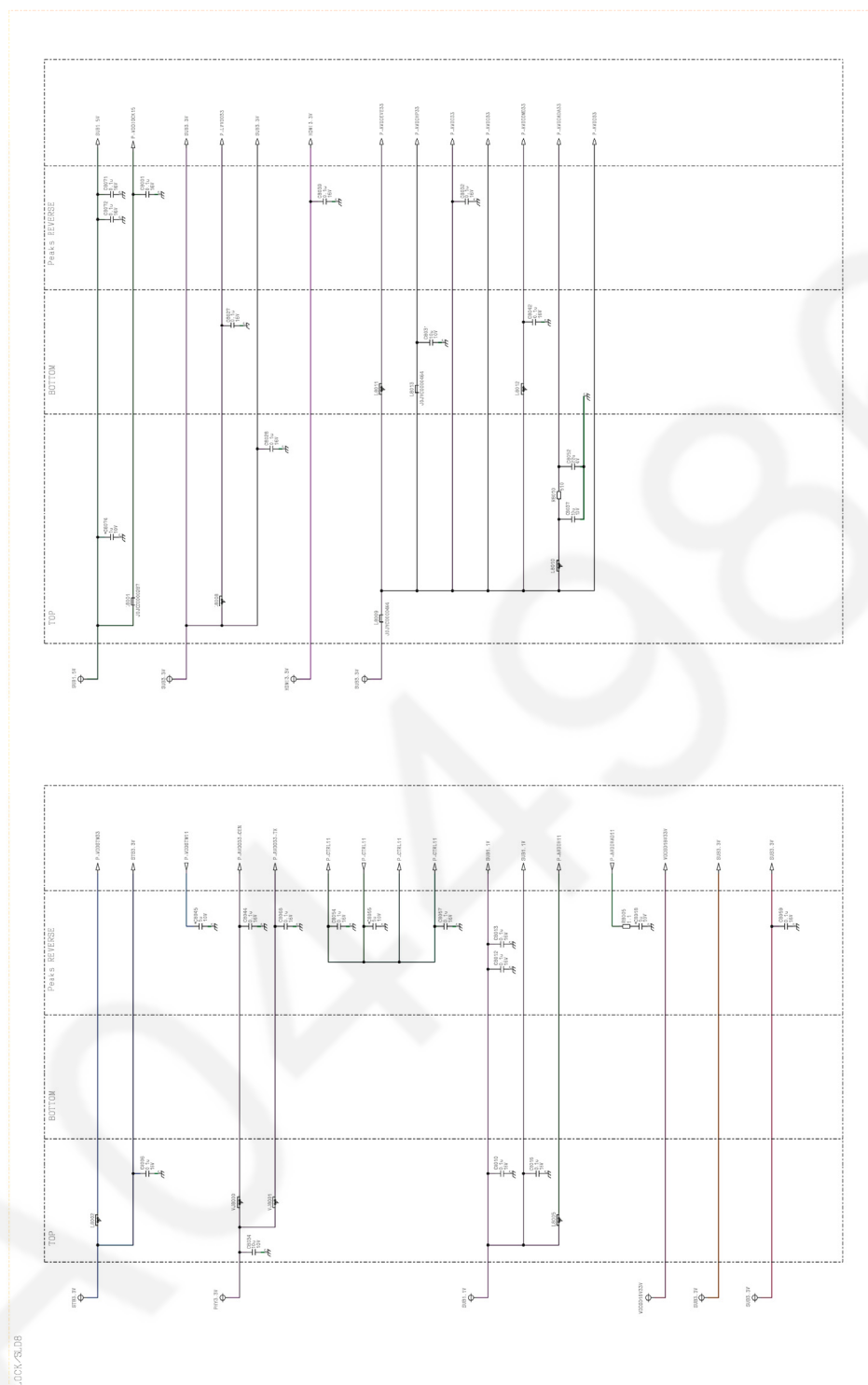
REF No. 8000 - 8999

[Net Variation]

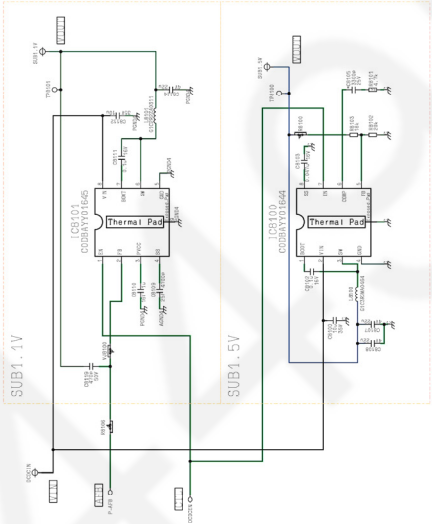
Common





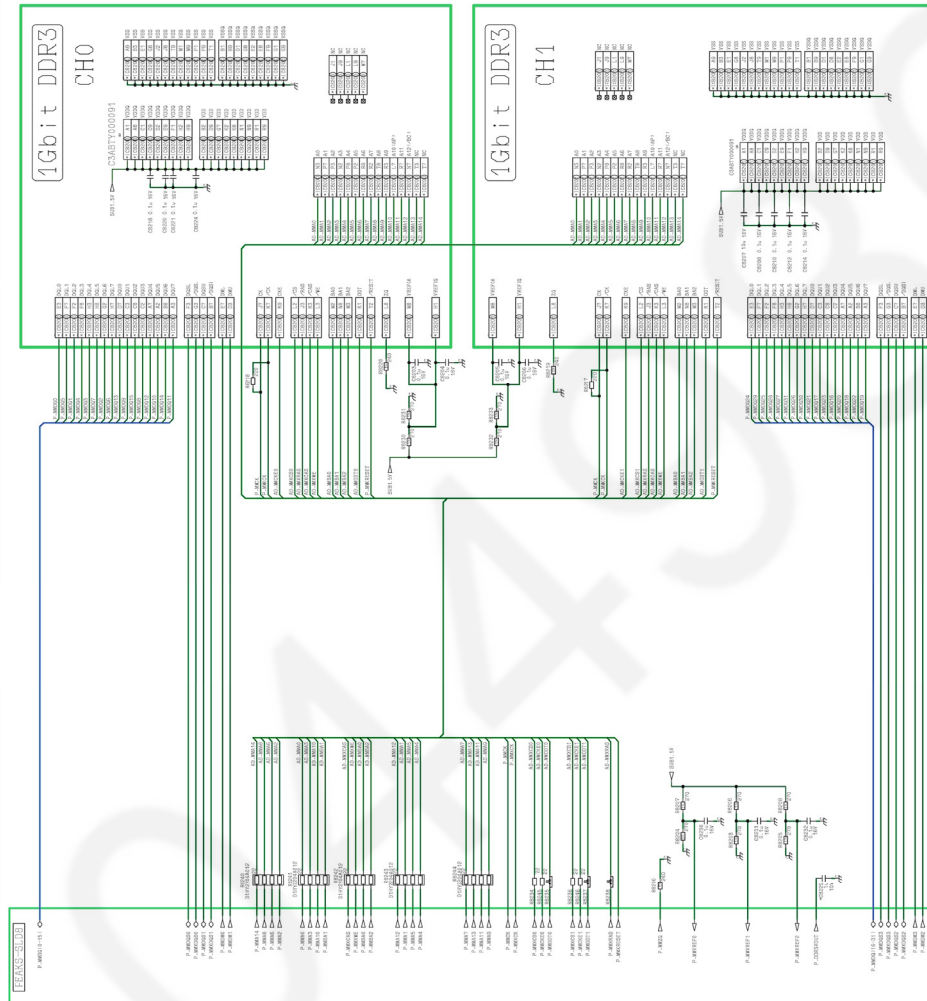


SHEET 701
LOCK-PEAKS-POWER

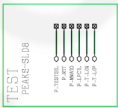
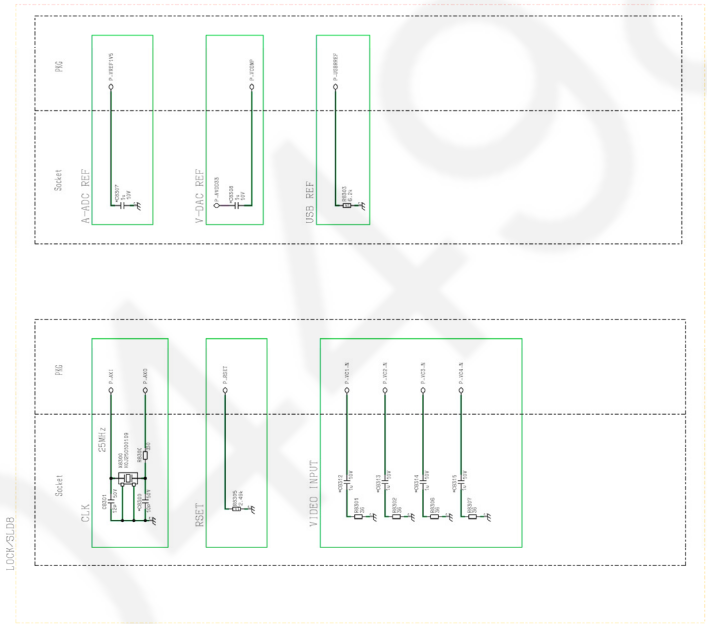


SHEET 702
LOCK-PEAKS-DCDC

LOCK-SUB

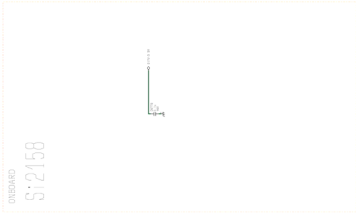
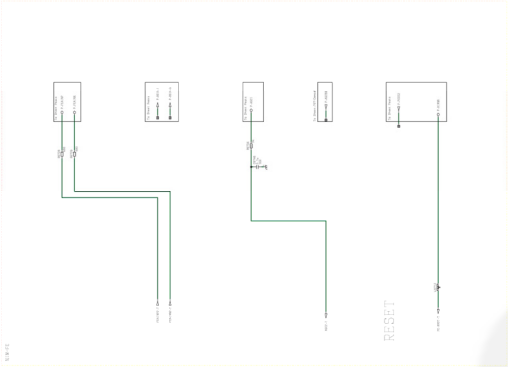
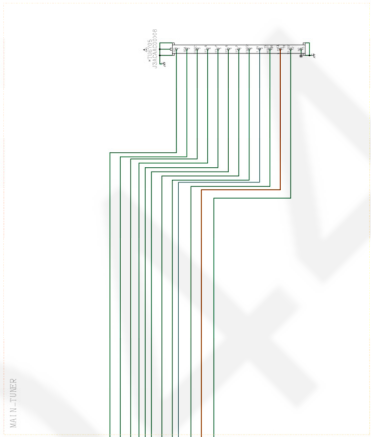
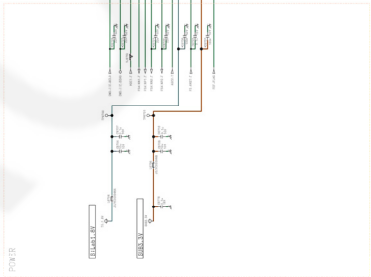


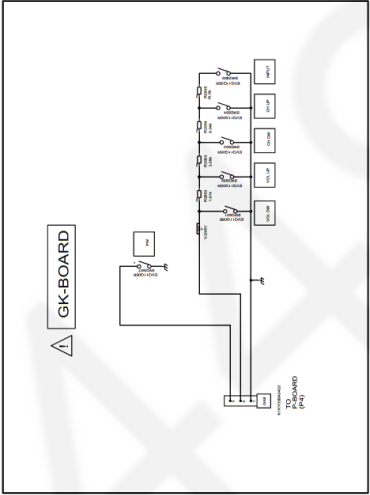
SHEET 703
LOCK-DDR3



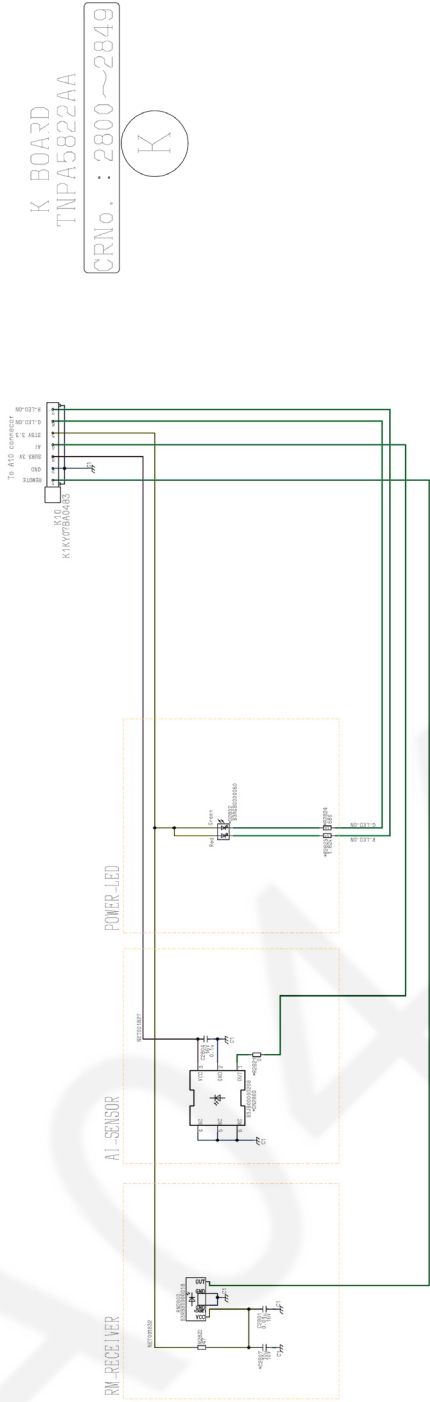
SHEET 706
TUNER

TUNER



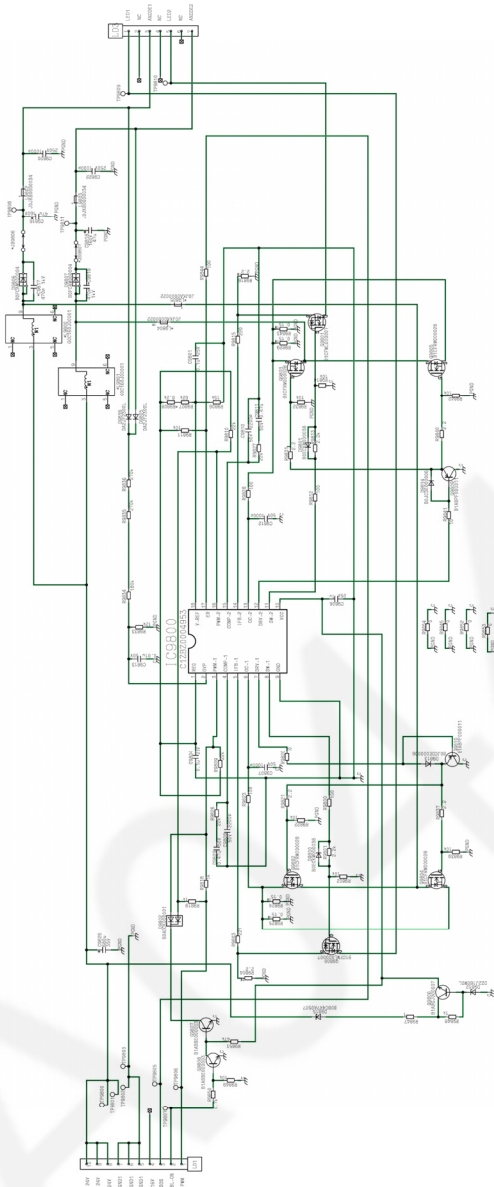


Model No. : TH-L50B6A K-Board

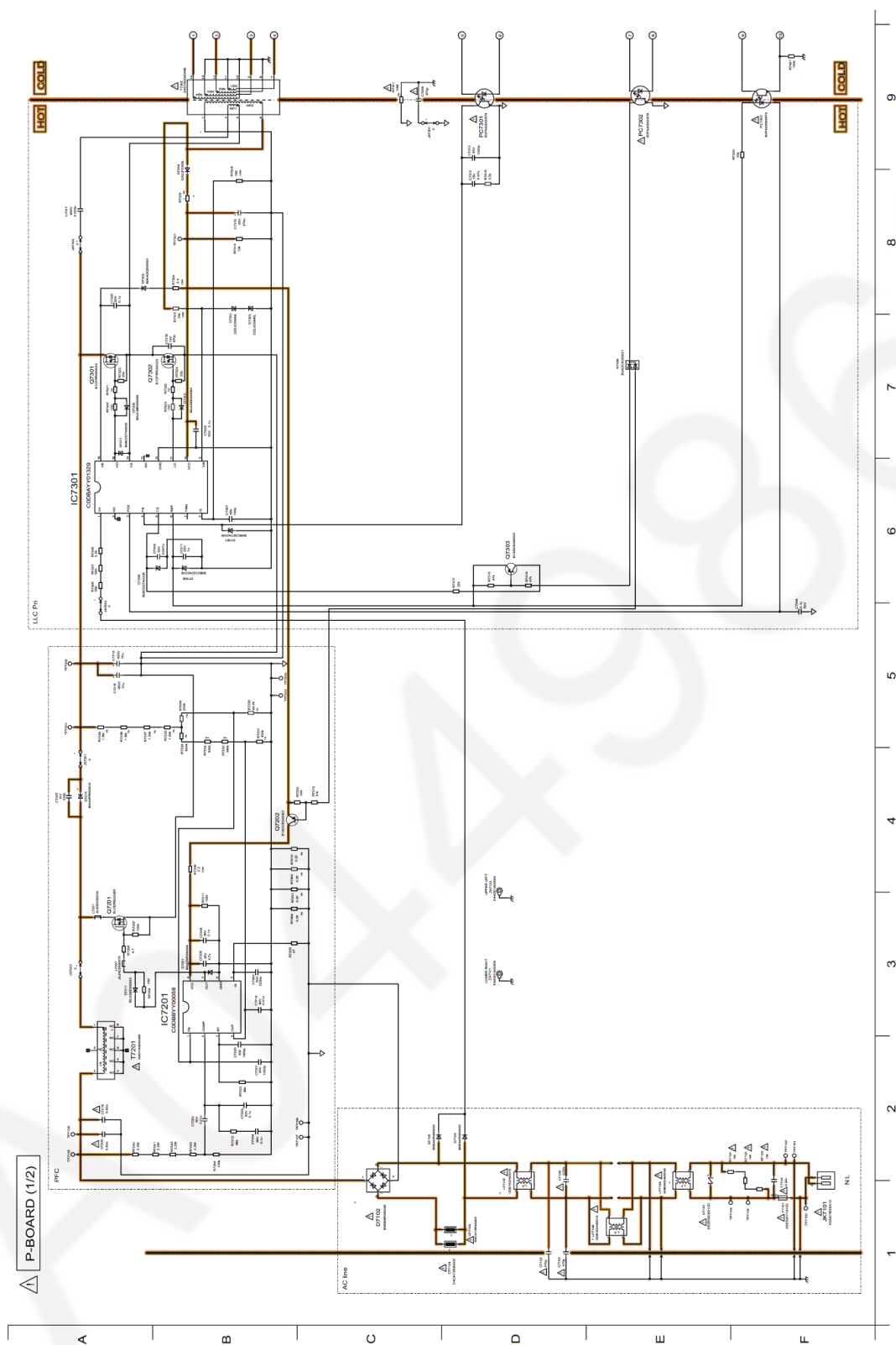


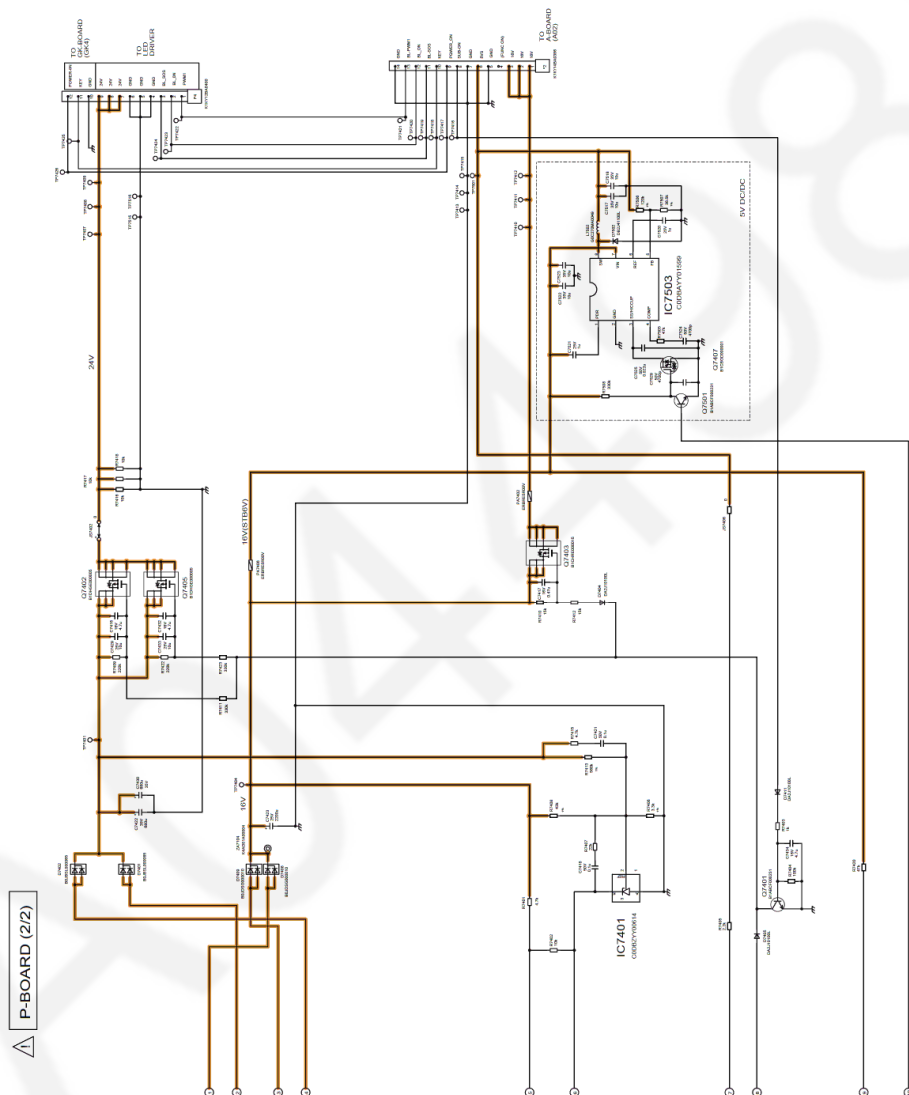
Model No. : TH-L50B6A LD-Board

TNP4G549AA
LD BOARD



Model No. : TH-L50B6A P-Board (1/2)



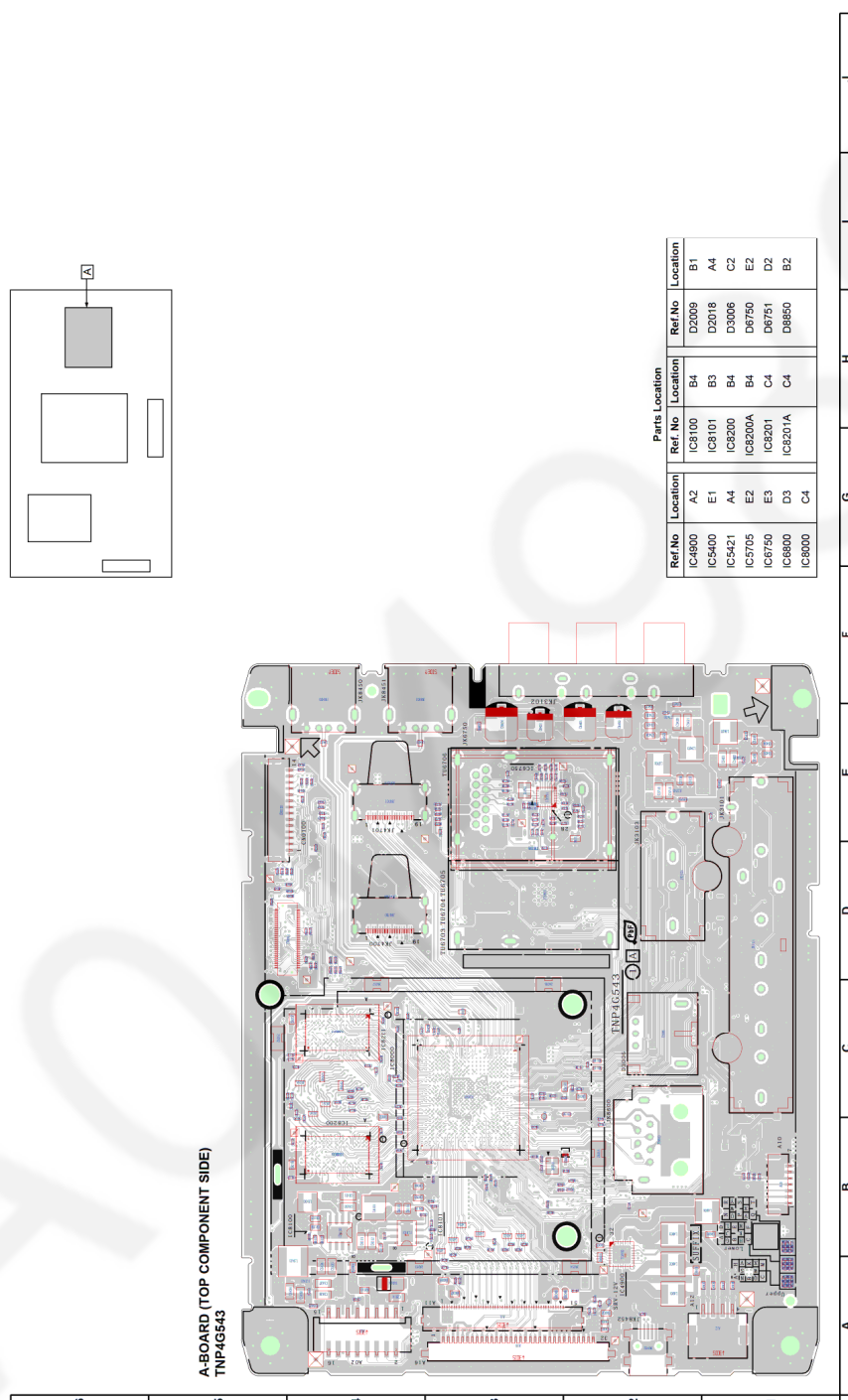


10

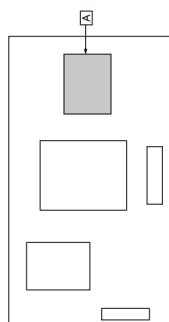
10

12 Printed Circuit Board

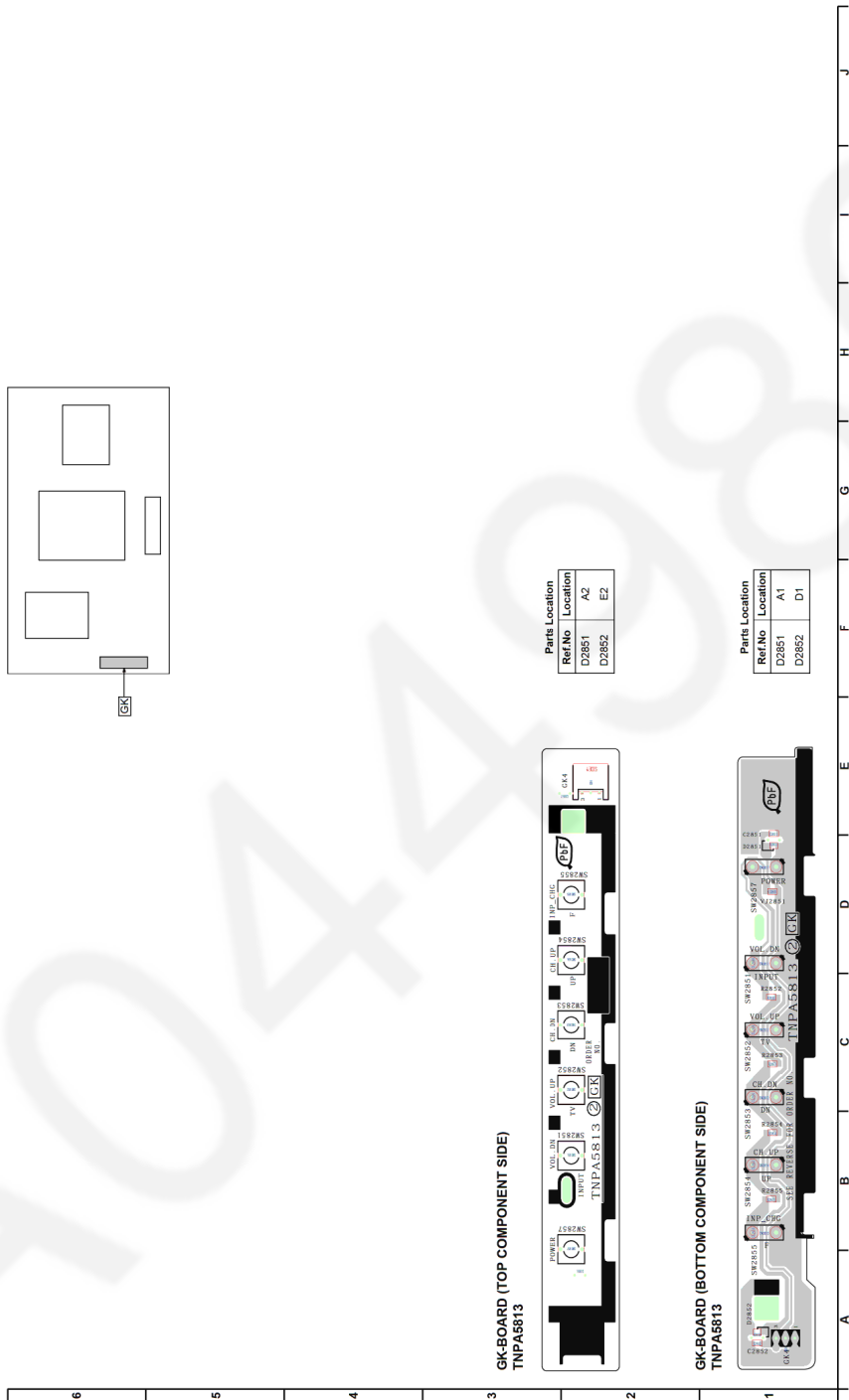
Model No. : TH-L50B6A A-Board (Top Component Side)

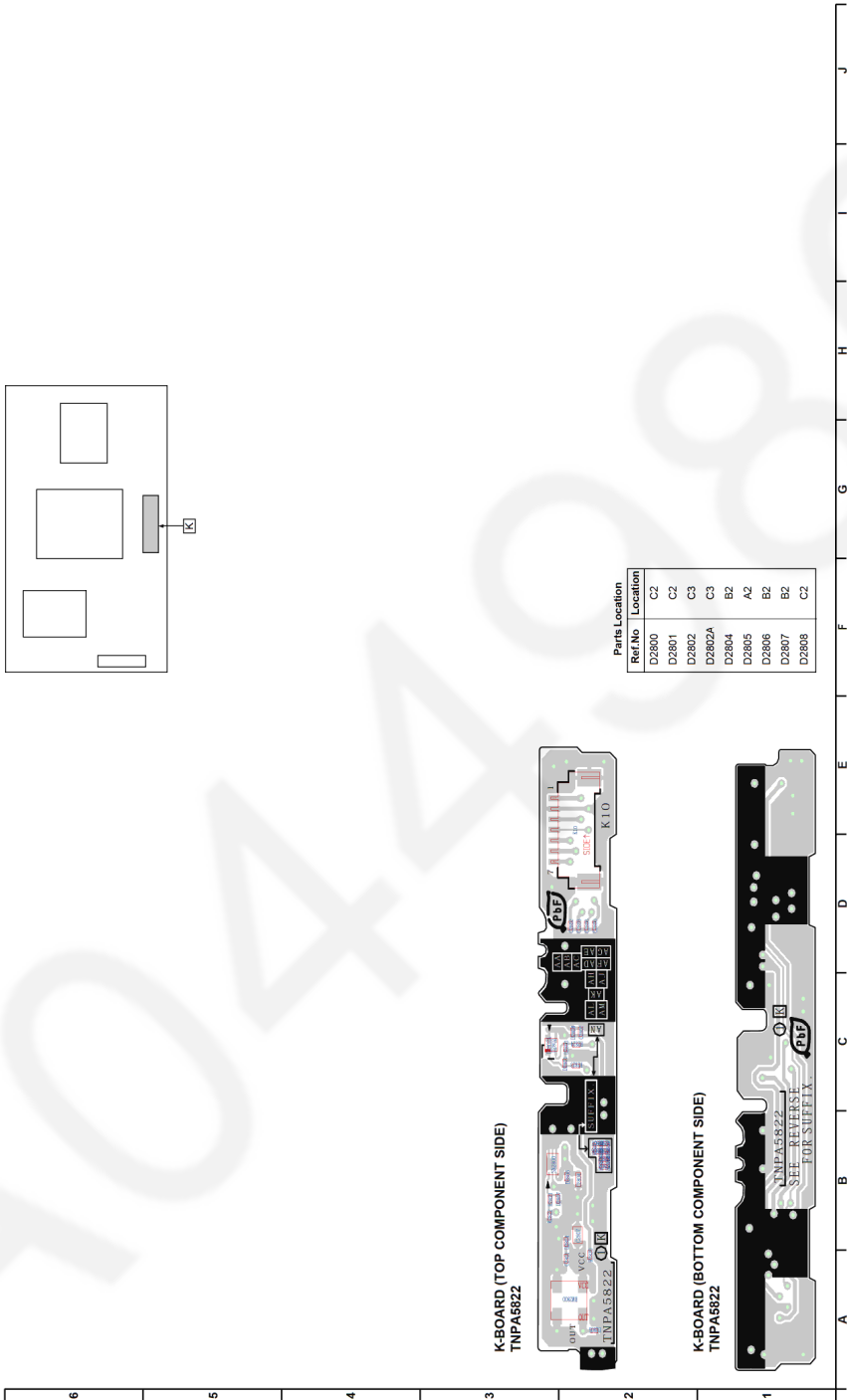


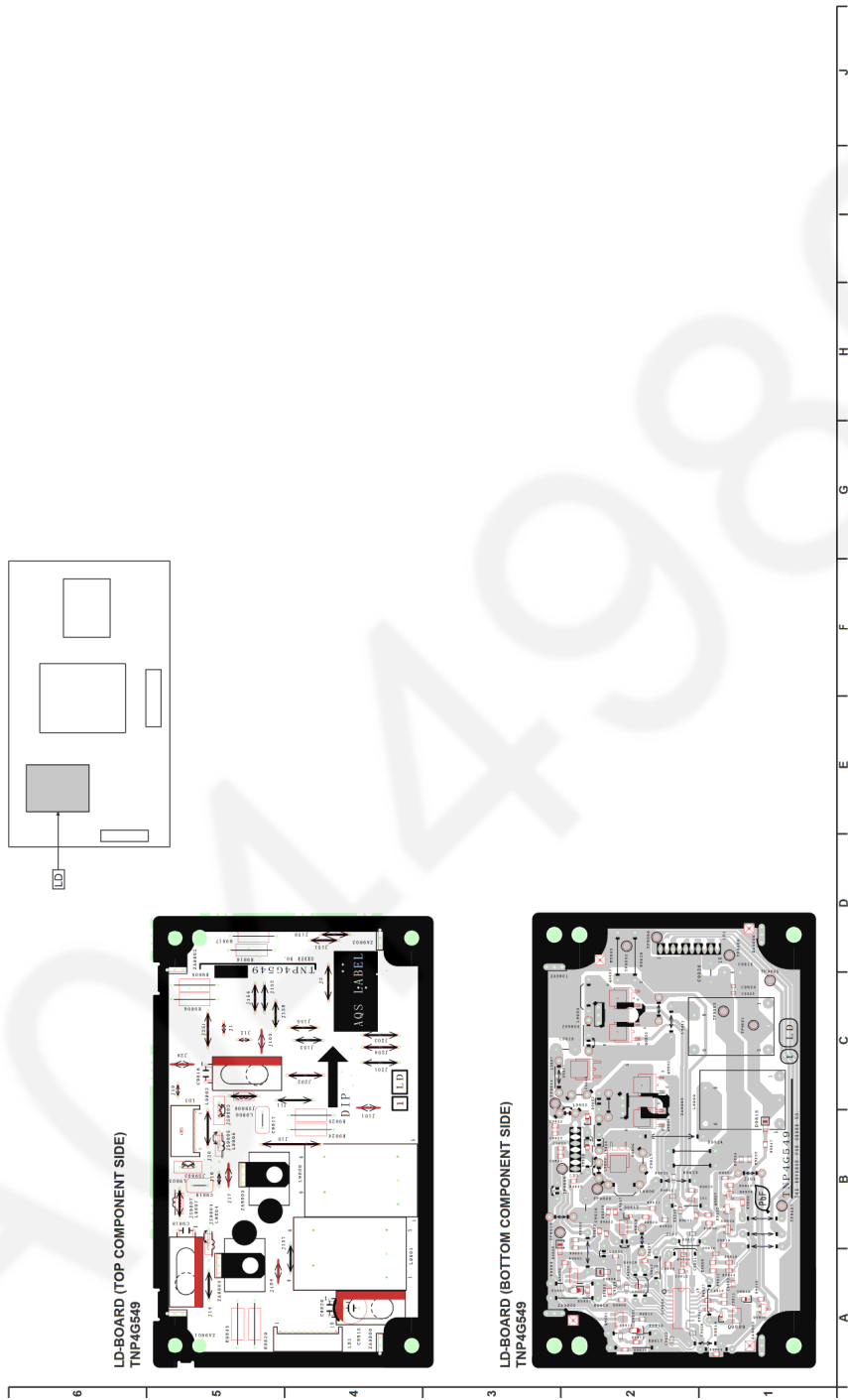
Model No. : TH-L50B6A A-Board (Bottom Component Side)



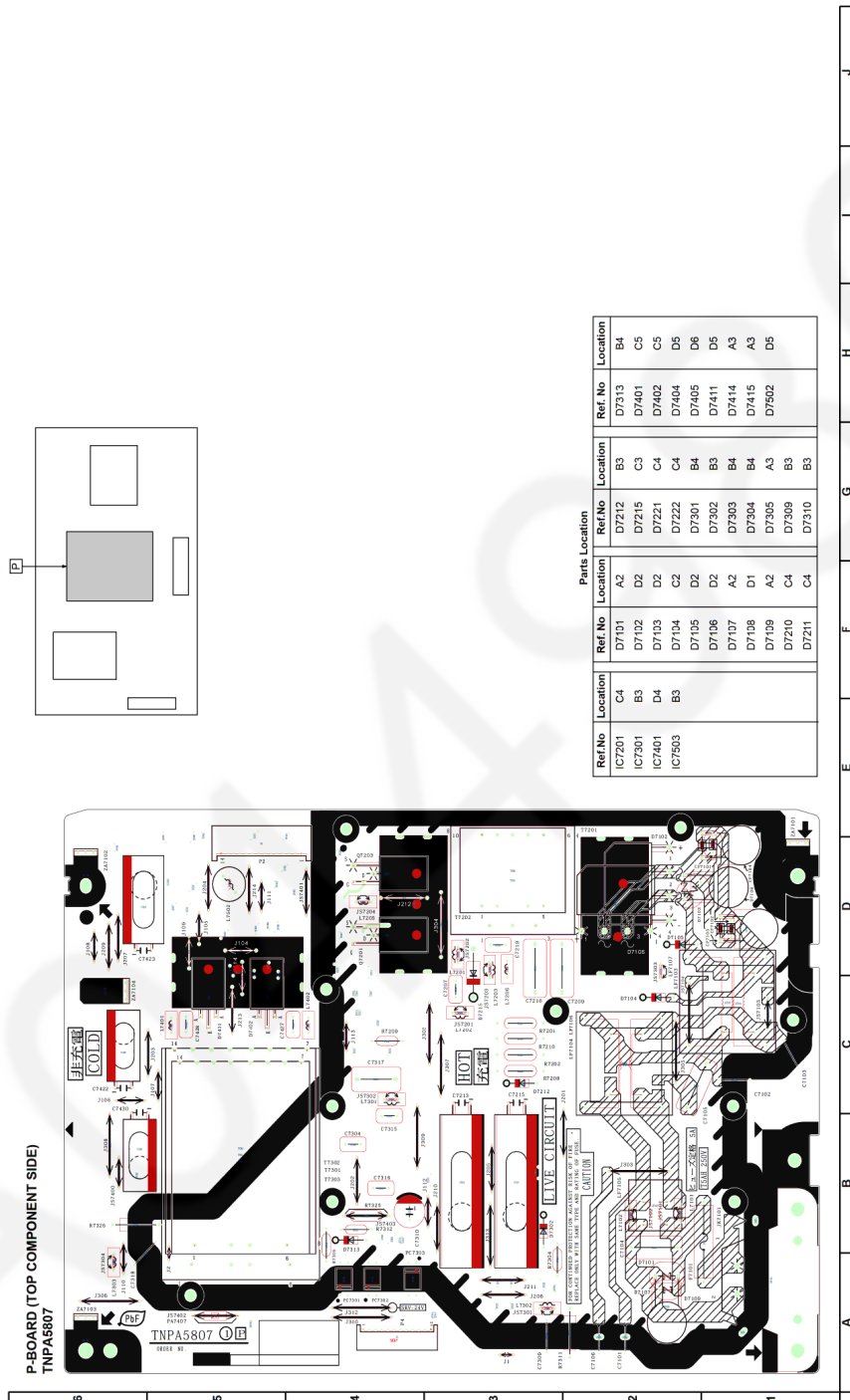
Ref No			Location			Ref No			Location		
Ref No	Ref No	Location	Ref No	Ref No	Location	Ref No	Ref No	Location	Ref No	Ref No	Location
IC3552	B2	D2001	E1	D4719	B4	D5195	B1				
IC4900	E1	D2004	E1	D4720	B4	D5200	E1				
IC5000	C2	D2006	E1	D4720	C4	D5201	E1				
IC5200	E1	D2007	E1	D4771	C4	D5700	B2				
IC5400	A1	D2008	D1	D4785	E3	D8000	C3				
IC5420	A2	D2016	F4	D5172	B1						
IC5421	B4	D2017	F3	D5173	B1						
IC5704	B2	D2019	E4	D5178	B1						
IC5705	A2	D2020	E4	D5177	B1						
IC6750	B3	D2021	F4	D5178	B1						
IC6800	C3	D3006	C2	D5190	B1						
IC6901	C3	D3101	B1	D5190	C2						
IC8100	E4	D3102	C1	D5192	C1						
IC8101	E4	D3103	C1	D5195	B1						
IC8453	A3	D3104	B1	D5196	B1						
IC8454	A3	D3105	A3	D5197	B1						
IC8457	F2	D3107	A3	D5191	B1						
IC8900	C4	D3110	A3	D5192	C1						
IC8902	E3	D2704	D1	D5193	B2						



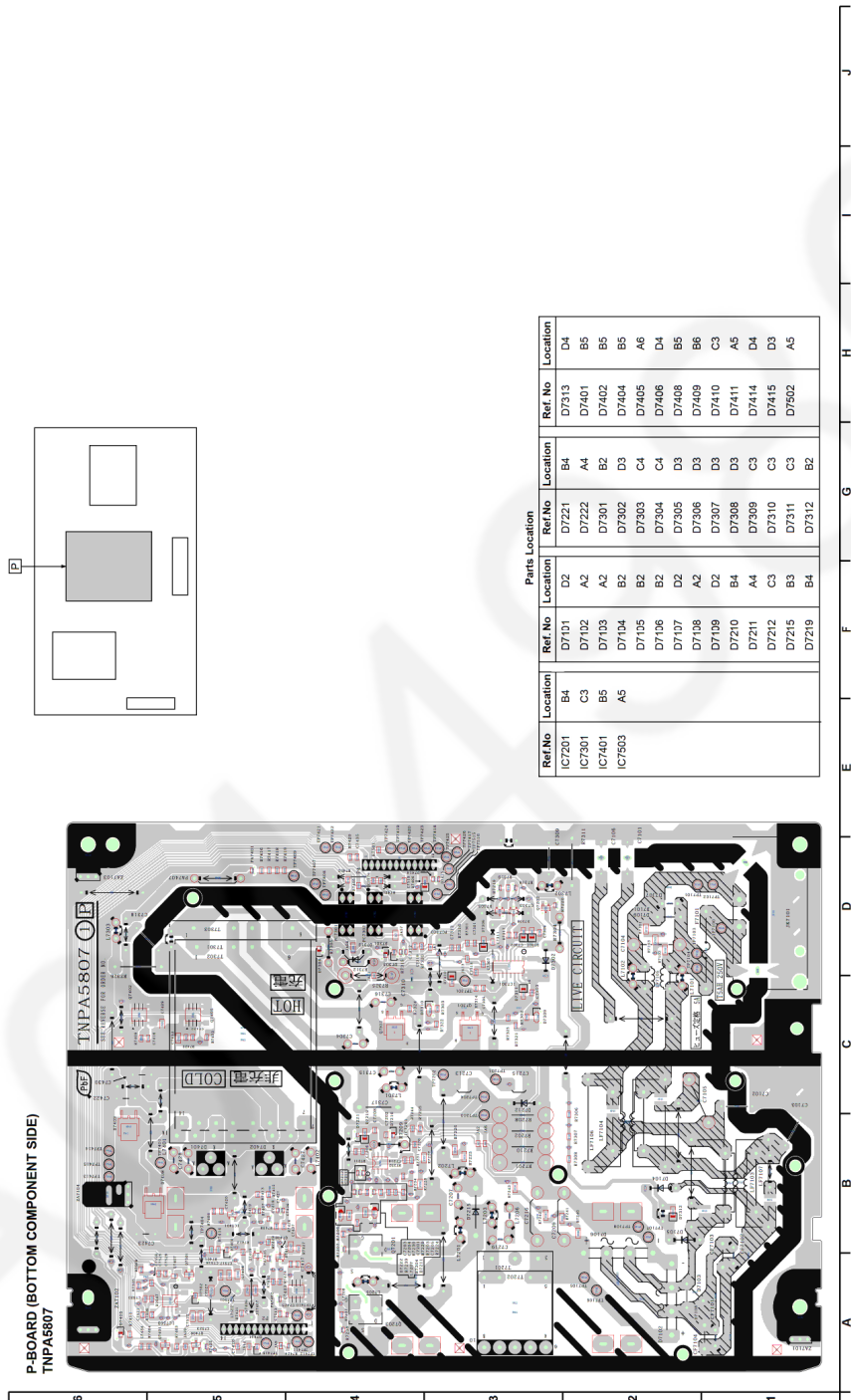




Model No. : TH-L50B6A P-Board (Top Component Side)

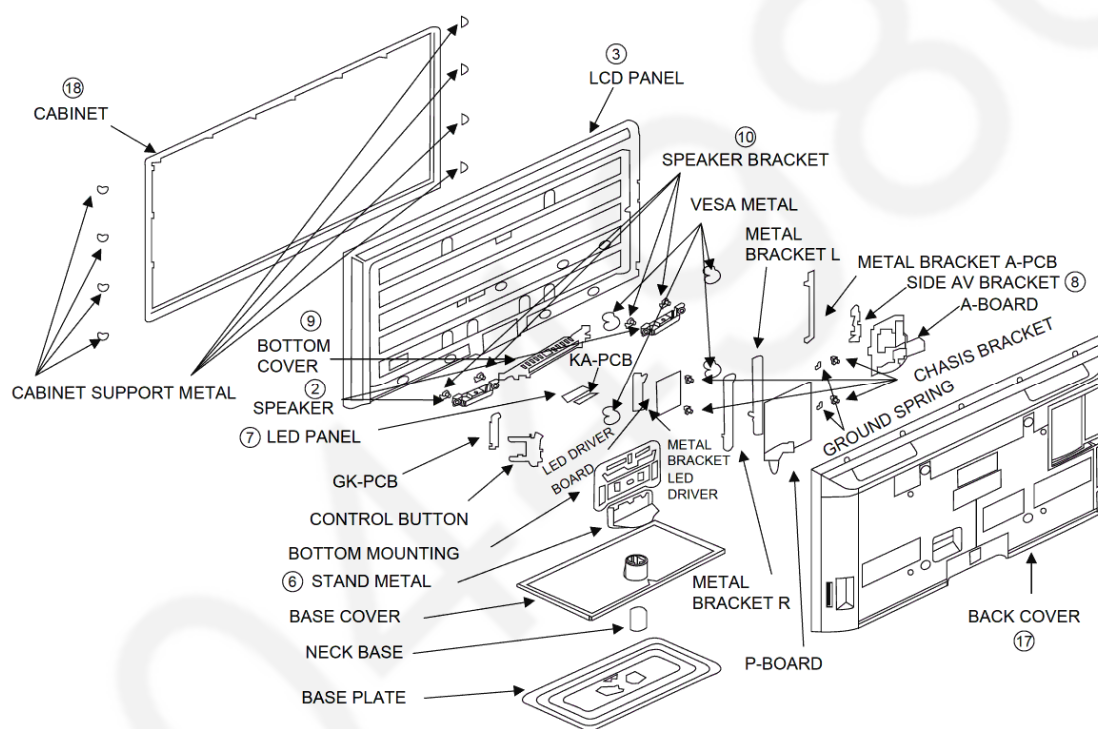


Model No. : TH-L50B6A P-Board (Bottom Component Side)



13 Exploded View and Replacement Parts List

Model No. : TH-L50B6A Parts Location

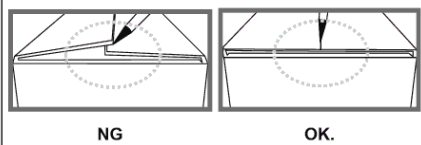


Model No. : TH-L50B6A Packing Exploded View 1

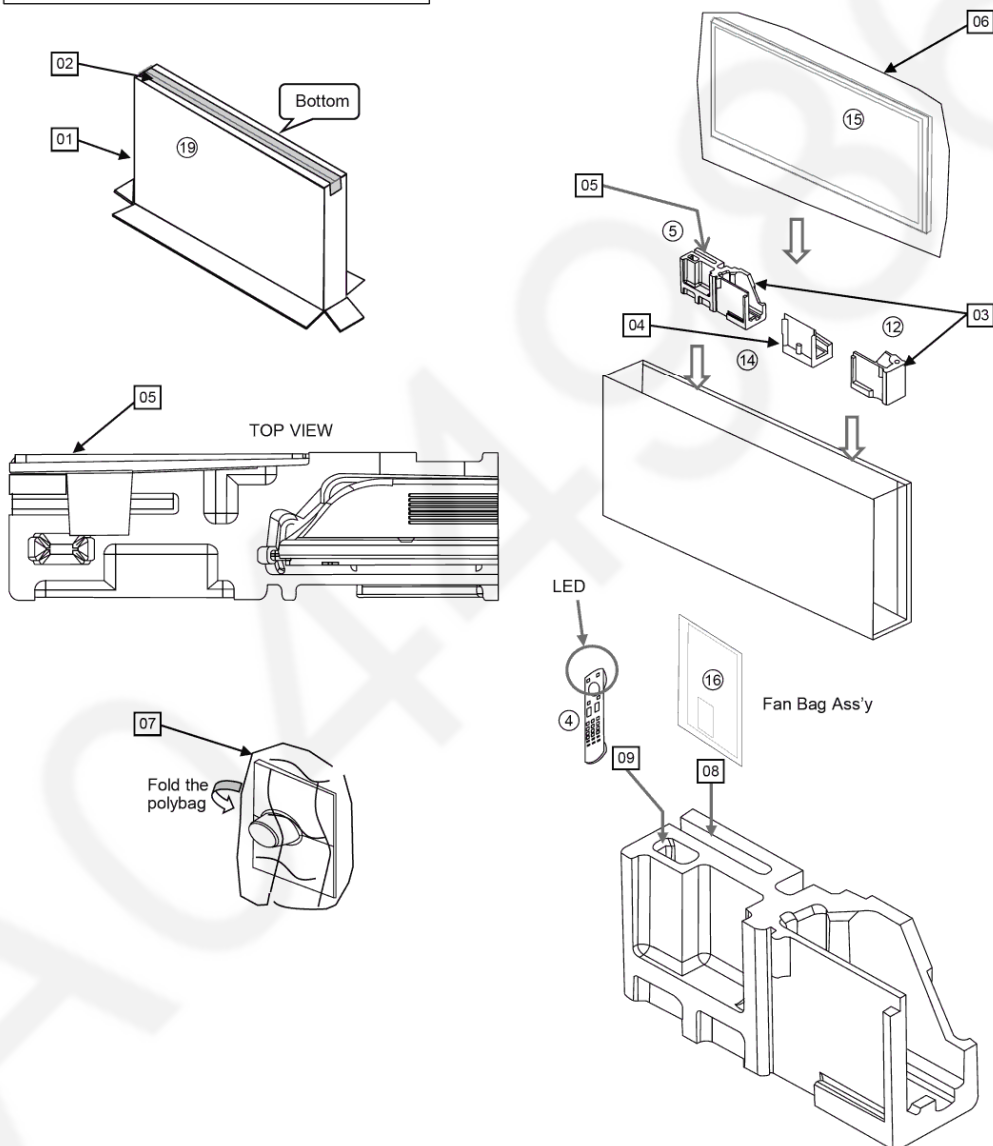
- 1) Fold packing case at bottom side and tapping with tape.
- 2) Insert bottom & bottom center cushion at packing case.
- 3) Cover set with set cover and inside to packing case.
- 4) Insert Fan bag assy, Pedestal Assy & Remote Controller at bottom cushion.

Caution point :

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



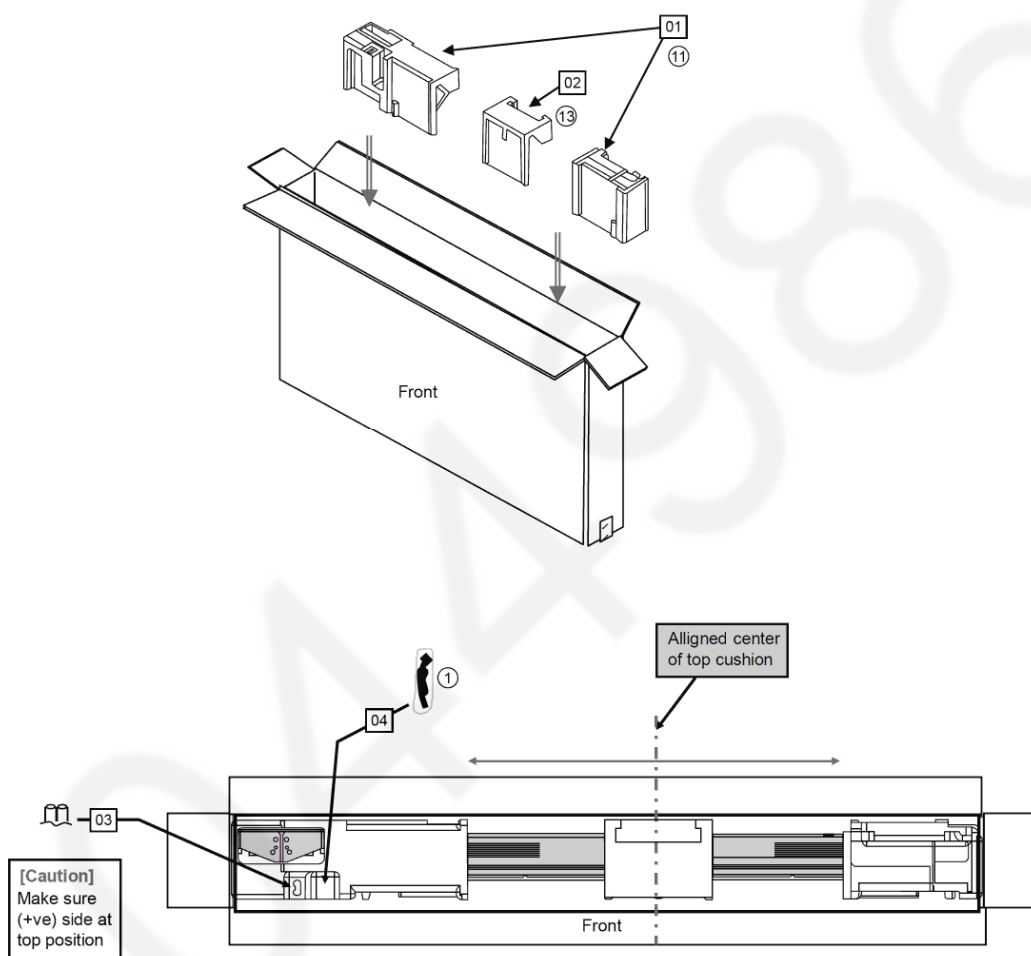
No	Description	Qty	UOM
01	PACKING CASE	1	PC
02	PP TAPE	3.3	MT
03	BOTTOM CUSHION	1	PC
04	BOTTOM CENTER CUSHION	1	PC
05	PEDESTAL ASSY	1	PC
06	SET COVER	1	PC
07	BAG FOR PEDESTAL	1	PC
08	FAN BAG ASSY	1	PC
09	REMOTE TRANSMITTER	1	PC



Model No. : TH-L50B6A Packing Exploded View 2

- 1) Insert top cushion.
- 2) Insert Remote transmitter, AC Cord, Stand Mtg Assy and battery at top cushion.

No	Description	Qty	UOM
01	TOP CUSHION	1	PC
02	TOP CENTER CUSHION	1	PC
03	BATTERY	1	PC
04	AC CORD	1	PC



Model No. : TH-L50B6A Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
CAPACITORS						
		C1958	F1G1E103A059	C 0.01UF 25V		
		C2000	F1G1A105A047	C 1UF 10V		
		C2014	F1K1E106A134	C 10UF, 25V		
		C2023	F1G1C104A077	C 0.1UF 16V		
		C2801	F1G1C1030008	C 0.01UF 16V		
		C2804	F1H1C104A178	C 0.1UF , 16V		
		C2807	F1J1A106A043	C 10UF, 10V		
		C2851	F1J1H104A902	C 0.1UF, 50V		
		C2852	F1J1H104A902	C 0.1UF, 50V		
		C3084	F1H0J105A051	C 1UF, 6.3V		
		C3085	F1H0J105A051	C 1UF, 6.3V		
		C3086	F1H0J105A051	C 1UF, 6.3V		
		C3130	F1H0J105A051	C 1UF, 6.3V		
		C3145	F1J1A106A087	C 10UF, 10V		
		C3147	F1J1A106A087	C 10UF, 10V		
		C3151	F1H1A105A099	C 1UF, 10V		
		C3152	F1H1A105A099	C 1UF, 10V		
		C3159	F1H1A105A099	C 1UF, 10V		
		C3160	F1H1A105A099	C 1UF, 10V		
		C3171	F1J1A106A087	C 10UF, 10V		
		C3172	F1J1A106A087	C 10UF, 10V		
		C3175	F1J1E105A287	C 1UF, 25V		
		C3176	F1J1A106A087	C 10UF, 10V		
		C3177	F1J1E105A287	C 1UF, 25V		
		C4000	F1H1H103B047	C 0.01UF, 50V		
		C4001	F1H1H103B047	C 0.01UF, 50V		
		C4002	F1J1C475A217	C 4.7UF, 16V		
		C4701	F1H0J105A051	C 1UF, 6.3V		
		C4900	F1K1V106A010	C 10UF, 25V		
		C4901	F1K1V106A010	C 10UF, 25V		
		C4902	F1J1E105A287	C 1UF, 25V		
		C4903	F1K1V106A010	C 10UF, 25V		
		C4904	F1J1E105A287	C 1UF, 25V		
		C4905	F1H1C105A167	C 1UF, 10V		
		C4906	F1K1V106A010	C 10UF, 25V		
		C4907	F1J1E105A287	C 1UF, 25V		
		C4908	F1K1V106A010	C 10UF, 25V		
		C4909	F1J1E105A287	C 1UF, 25V		
		C4919	F1J1E224A272	C 0.22UF, 25V		
		C4920	F1J1E224A272	C 0.22UF, 25V		
		C4921	F1H1E104A029	C 0.1UF , 25V		
		C4922	F1H1E104A029	C 0.1UF , 25V		
		C4923	F1H1E104A029	C 0.1UF , 25V		
		C4924	F1H1E104A029	C 0.1UF , 25V		
		C5000	F1G1A105A047	C 1UF 10V		
		C5002	F1G1A105A047	C 1UF 10V		
		C5004	F1G1A105A047	C 1UF 10V		
		C5006	F1J1E105A287	C 1UF, 25V		
		C5012	F1G1A105A047	C 1UF 10V		
		C5020	F1G1C104A077	C 0.1UF 16V		
		C5021	F1G1A105A047	C 1UF 10V		
		C5022	F1G1C104A077	C 0.1UF 16V		
		C5026	F1H1C105A145	C 1 uF 16 V		
		C5150	F1G1E103A059	C 0.01UF 25V		
		C5151	F1G1E103A059	C 0.01UF 25V		
		C5171	F1G1C1030008	C 0.01UF 16V		
		C5202	F1G1H1020008	C 1000PF 50V		
		C5203	F1G1H1020008	C 1000PF 50V		
		C5204	F1G1C1030008	C 0.01UF 16V		
		C5400	F1K1V106A010	C 10UF, 25V		
		C5401	F1K1V106A010	C 10UF, 25V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C5402	F1G1C104A077	C 0.1UF 16V		
		C5403	F1J0J2260004	C 22 UF 6.3 V		
		C5404	F1J0J2260004	C 22 UF 6.3 V		
		C5407	F1G1E333A059	C 0.033UF, 25V		
		C5408	F1G1H222A830	C 2200PF, 50V		
		C5411	F1G1H1020008	C 1000PF 50V		
		C5420	F1K1V106A010	C 10UF, 25V		
		C5421	F1K1V106A010	C 10UF, 25V		
		C5422	F1G1C104A077	C 0.1UF 16V		
		C5423	F1J0J2260004	C 22 UF 6.3 V		
		C5424	F1J0J2260004	C 22 UF 6.3 V		
		C5427	F1G1E333A059	C 0.033UF, 25V		
		C5428	F1G1H222A830	C 2200PF, 50V		
		C5431	F1G1H1020008	C 1000PF 50V		
		C5433	F1G1H1020008	C 1000PF 50V		
		C5434	F1K1V106A010	C 10UF, 25V		
		C5435	F1K1V106A010	C 10UF, 25V		
		C5436	F1K1V106A010	C 10UF, 25V		
		C5437	F1K1V106A010	C 10UF, 25V		
		C5438	F1K1V106A010	C 10UF, 25V		
		C5439	F1K1V106A010	C 10UF, 25V		
		C5441	F1G1C183A146	C 0.018UF, 16V		
		C5443	F1G1H472A830	C 4700PF, 50V		
		C5444	F1G1C104A077	C 0.1UF 16V		
		C5710	F1J1A106A087	C 10UF, 10V		
		C5711	F1J1A106A087	C 10UF, 10V		
		C5724	F1G1H1020008	C 1000PF 50V		
		C5725	F1G1H1020008	C 1000PF 50V		
		C6704	F1J1A106A087	C 10UF, 10V		
		C6707	F1G1C104A077	C 0.1UF 16V		
		C6708	F1J1A106A087	C 10UF, 10V		
		C6710	F1G1C104A077	C 0.1UF 16V		
		C6720	F1G1H220A834	C 22PF, 50V		
		C6721	F1G1H220A834	C 22PF, 50V		
		C6722	F1G1C104A077	C 0.1UF 16V		
		C6723	F1G1H220A834	C 22PF, 50V		
		C6724	F1G1H220A834	C 22PF, 50V		
		C6736	F1G1H101A834	C 100PF 50V		
		C6737	F1G1H101A834	C 100PF 50V		
		C6746	F1G1C104A077	C 0.1UF 16V		
		C6778	F1G1C104A077	C 0.1UF 16V		
		C6779	F1G1C104A077	C 0.1UF 16V		
	⚠	C7102	F1AAF471A019	C 470PF , 240V		
	⚠	C7103	F1AAF471A019	C 470PF , 240V		
	⚠	C7104	F0CAF2240010	C 0.22UF, 240V		
	⚠	C7105	F0CAF2240010	C 0.22UF, 240V		
		C7201	F1H1H102B052	C 1000PF, 50V		
		C7202	F1J1H222A911	C 2200pF, 50V		
		C7203	F1H1H104B047	C 0.1UF, 50V		
		C7204	F1H1H104B047	C 0.1UF, 50V		
		C7205	F1J1H102A909	C 1000pF, 50V		
		C7206	F1J1E475A257	C 4.7UF, 25V		
		C7207	F1A3A221A060	C 220PF 1KV		
		C7208	F1J1H104A902	C 0.1UF, 50V		
		C7209	ECWFD2W824KC	C 0.82UF , 240V		
		C7213	F2A2W7700001	C 77UF, 450V		
		C7214	F1J1H103A900	C 0.01UF, 50V		
		C7215	F2A2W7700001	C 77UF, 450V		
		C7216	ECWFD2W824KC	C 0.82UF , 240V		
		C7220	F1J1H103A900	C 0.01UF, 50V		
		C7302	F1J1H473A900	C 0.047UF, 16V		
		C7303	F1J1H104A902	C 0.1UF, 50V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C7304	F1A3A221A060	C 220PF 1KV		
		C7305	F1J1H104A902	C 0.1UF, 50V		
		C7306	F1J1H104A902	C 0.1UF, 50V		
		C7307	F1J1H101A906	C 100PF, 50V		
		C7310	F2A1E4710124	C 470UF, 25V		
		C7311	F1J1E105A287	C 1UF, 25V		
		C7312	F1H1C474A178	C 0.47UF, 16V		
		C7313	F1J1H102A909	C 1000pF, 50V		
		C7316	F1A3A471A060	C 470PF 1KV		
		C7317	ECWH8223HAC	C 0.022UF, Z, 800V		
		C7318	F1AAF471A019	C 470PF , 240V		
		C7416	F1J1C475A225	C 4.7UF, 10V		
		C7417	F1J1C474A238	C 0.47UF , 240V		
		C7418	F1H1H104B047	C 0.1UF, 50V		
		C7421	F1H1H104B047	C 0.1UF, 50V		
		C7422	F2A1V6810043	C 680UF, 35V		
		C7423	F2A1E222B927	C 2200UF, 25V		
		C7429	F1K1E106A134	C 10UF, 25V		
		C7430	F2A1V6810043	C 680UF, 35V		
		C7432	F1J1C475A225	C 4.7UF, 10V		
		C7433	F1K1E106A134	C 10UF, 25V		
		C7434	F1J1C475A225	C 4.7UF, 10V		
		C7517	F1K1V106A010	C 10UF, 25V		
		C7518	F1K1V106A010	C 10UF, 25V		
		C7519	F1J1H104A902	C 0.1UF, 50V		
		C7520	F1J1E105A287	C 1UF, 25V		
		C7521	F1J1E105A287	C 1UF, 25V		
		C7522	F1K1V106A010	C 10UF, 25V		
		C7523	F1K1V106A010	C 10UF, 25V		
		C7524	F1J1H472A900	C 4700PF, 50V		
		C7525	F1J1H223A900	C 0.022UF, 50V		
		C7529	F1J1H472A900	C 4700PF, 50V		
		C8001	F1G1C104A077	C 0.1UF 16V		
		C8006	F1G1C104A077	C 0.1UF 16V		
		C8010	F1G1C104A077	C 0.1UF 16V		
		C8012	F1G1C104A077	C 0.1UF 16V		
		C8013	F1G1C104A077	C 0.1UF 16V		
		C8016	F1G1C104A077	C 0.1UF 16V		
		C8018	F1G1A105A047	C 1UF 10V		
		C8027	F1G1C104A077	C 0.1UF 16V		
		C8028	F1G1C104A077	C 0.1UF 16V		
		C8031	F1J1A106A087	C 10UF, 10V		
		C8032	F1G1C104A077	C 0.1UF 16V		
		C8034	F1J1A106A087	C 10UF, 10V		
		C8037	F1J1A106A087	C 10UF, 10V		
		C8039	F1G1C104A077	C 0.1UF 16V		
		C8042	F1G1C104A077	C 0.1UF 16V		
		C8044	F1G1C104A077	C 0.1UF 16V		
		C8045	F1G1A105A047	C 1UF 10V		
		C8052	F1J0G2260001	C 22 UF 4 V		
		C8054	F1G1C104A077	C 0.1UF 16V		
		C8055	F1G1A105A047	C 1UF 10V		
		C8057	F1G1C104A077	C 0.1UF 16V		
		C8059	F1G1C104A077	C 0.1UF 16V		
		C8068	F1G1C104A077	C 0.1UF 16V		
		C8071	F1G1C104A077	C 0.1UF 16V		
		C8072	F1G1C104A077	C 0.1UF 16V		
		C8074	F1G1A105A047	C 1UF 10V		
		C8076	F1H1A105A099	C 1UF, 10V		
		C8100	F1K1V106A010	C 10UF, 25V		
		C8102	F1G1C104A077	C 0.1UF 16V		
		C8103	F1G1C473A048	C 0.047UF, 16V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8105	F1G1E332A144	C 3300PF , 25V		
		C8107	F1J0G2260001	C 22 UF 4 V		
		C8108	F1J0G2260001	C 22 UF 4 V		
		C8109	F1G1E472A144	C 4700pF 25V		
		C8110	F1H1C105A145	C 1 uF 16 V		
		C8111	F1G1C104A077	C 0.1UF 16V		
		C8112	F1K1V106A010	C 10UF, 25V		
		C8114	F1J0G2260001	C 22 UF 4 V		
		C8119	F1G1H471A830	C 470PF, 50V		
		C8203	F1G1C104A077	C 0.1UF 16V		
		C8204	F1G1C104A077	C 0.1UF 16V		
		C8205	F1G1C104A077	C 0.1UF 16V		
		C8206	F1G1C104A077	C 0.1UF 16V		
		C8207	F1J1A106A087	C 10UF, 10V		
		C8208	F1G1C104A077	C 0.1UF 16V		
		C8210	F1G1C104A077	C 0.1UF 16V		
		C8212	F1G1C104A077	C 0.1UF 16V		
		C8214	F1G1C104A077	C 0.1UF 16V		
		C8218	F1G1C104A077	C 0.1UF 16V		
		C8220	F1G1C104A077	C 0.1UF 16V		
		C8221	F1G1C104A077	C 0.1UF 16V		
		C8224	F1G1C104A077	C 0.1UF 16V		
		C8229	F1G1A105A047	C 1UF 10V		
		C8230	F1G1C104A077	C 0.1UF 16V		
		C8231	F1G1C104A077	C 0.1UF 16V		
		C8232	F1G1C104A077	C 0.1UF 16V		
		C8300	F1G1H100A834	C 10PF 50V		
		C8301	F1G1H120A834	C 12PF, 50V		
		C8307	F1G1A105A047	C 1UF 10V		
		C8308	F1G1A105A047	C 1UF 10V		
		C8312	F1G1A105A047	C 1UF 10V		
		C8313	F1G1A105A047	C 1UF 10V		
		C8314	F1G1A105A047	C 1UF 10V		
		C8315	F1G1A105A047	C 1UF 10V		
		C8461	F1J1A106A087	C 10UF, 10V		
		C8463	F1G1C104A077	C 0.1UF 16V		
		C8467	F1J1A106A087	C 10UF, 10V		
		C8470	F1G1C104A077	C 0.1UF 16V		
		C8700	F1H1A105A099	C 1UF, 10V		
		C8850	F1G1E103A059	C 0.01UF 25V		
		C8901	F1G1C104A077	C 0.1UF 16V		
		C8903	F1G1A105A047	C 1UF 10V		
		C9801	F1J1E104A271	C 0.47UF , 50V		
		C9804	F1J1E104A271	C 0.47UF , 50V		
		C9806	F1J1E105A287	C 1UF, 25V		
		C9807	F1J1H102A909	C 1000pF, 50V		
		C9808	F1J1H222A911	C 2200pF, 50V		
		C9809	F1J1H474A918	C 470PF, 500V		
		C9810	F1J1H222A911	C 2200pF, 50V		
		C9811	F1J1H474A918	C 470PF, 500V		
		C9812	F1J1H102A909	C 1000pF, 50V		
		C9813	F1J1H103A900	C 0.01UF, 50V		
		C9816	F2A2C470A222	C 100PF, 50V		
		C9817	F1A3A471A060	C 470PF 1KV		
		C9818	F2A2C470A222	C 100PF, 50V		
		C9819	F1A3A471A060	C 470PF 1KV		
		C9820	F1J2E1020002	C 1000PF, 250V		
		C9822	F1J2E1020002	C 1000PF, 250V		
		C9826	F2A1V6810043	C 680UF, 35V		
DIODES						
		D2017	EZJZ0V120JA	VARISTOR		
		D2802	B3AGB0000060	LED		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		D3006	K7AAAY000016	DIODE		
		D3101	DZ2J140M0L	DIODE		
		D3102	DZ2J140M0L	DIODE		
		D3103	DZ2J140M0L	DIODE		
		D3104	DZ2J140M0L	DIODE		
		D3105	DZ2J140M0L	DIODE		
		D3106	DZ2J140M0L	DIODE		
		D3107	DZ2J140M0L	DIODE		
		D3110	DZ2J140M0L	DIODE		
		D4704	DB2J30900L	DIODE		
		D4719	DA2J10100L	DIODE		
		D4770	DA2J10100L	DIODE		
		D4785	DB2J30900L	DIODE		
		D5172	DZ2J220M0L	DIODE		
		D5173	DA2J10100L	DIODE		
		D5178	DZ2J068M0L	DIODE		
		D5179	B0ADCK000001	DIODE		
		D5180	DZ2J033M0L	DIODE		
		D5187	DZ2J047M0L	DIODE		
		D5191	B0ADCK000001	DIODE		
		D5192	B0ADCK000001	DIODE		
		D5193	B0ADCK000001	DIODE		
		D5194	DA2J10100L	DIODE		
		D5195	DZ2J027M0L	DIODE		
	⚠	D7101	ERZE08C621CD	SURGE ABSORBER		
		D7102	B0EBNT000027	DIODE		
		D7104	B0EAKR000022	DIODE		
		D7105	B0EAKR000022	DIODE		
		D7211	B0JCME000093	DIODE		
		D7215	B0HAPR000013	DIODE		
		D7221	B0JCDE000006	DIODE		
		D7301	DZ2J039M0L	DIODE		
		D7302	B0HAGQ000001	DIODE		
		D7303	DZ2J039M0L	DIODE		
		D7304	DA2JF2300L	DIODE		
		D7305	B0ADCK000001	DIODE		
		D7306	B0BC027A0336	DIODE		
		D7307	B0BC027A0336	DIODE		
		D7308	B0BC027A0336	DIODE		
		D7309	B0JCME000093	DIODE		
		D7310	B0JCME000093	DIODE		
		D7311	B0BC027A0336	DIODE		
		D7401	B0JBSL000065	DIODE		
		D7402	B0JBSL000065	DIODE		
		D7404	DA2J10100L	DIODE		
		D7405	DA2J10100L	DIODE		
		D7408	B0JDSG000010	DIODE		
		D7409	B0JDSG000010	DIODE		
		D7411	DA2J10100L	DIODE		
		D7502	DB2J41100L	DIODE		
		D8000	DA2J10100L	DIODE		
		D8850	DB2J30900L	DIODE		
		D9800	B0ECKM000038	DIODE		
		D9801	B0ECKM000038	DIODE		
		D9802	B0ADCK000001	DIODE		
		D9805	DA2JF2300L	DIODE		
		D9806	B0FCAM000004	DIODE		
		D9807	B0FCAM000004	DIODE		
		D9812	DZ2J160M0L	DIODE		
		D9813	B0JCDE000006	DIODE		
		D9814	B0JCDE000006	DIODE		
		D9815	B0BC4R7A0507	DIODE		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		D9816	DA2JF2300L	DIODE		
INTEGRATED CIRCUITS						
		IC3052	C0ABBB000179	IC		
		IC4900	C1AB00003984	IC		
		IC5000	AN34043AAVF	IC		
		IC5400	C0DBAYY01299	IC		
		IC5420	C0DBAYY01299	IC		
		IC5421	C0DBAYY01300	IC		
		IC5704	C0DBEYY00102	IC		
		IC7201	C0DBBY000058	IC		
		IC7301	C0DBAYY01329	IC		
		IC7401	C0DBZYY00614	IC		
		IC7503	C0DBAYY01599	IC		
		IC8000	MN2WS0270PB	IC		
		IC8001	C0DBGYY00887	IC		
		IC8100	C0DBAYY01644	IC		
		IC8101	C0DBAYY01645	IC		
		IC8200	C3ABTY000091	IC		
		IC8201	C3ABTY000091	IC		
		IC8454	C0DBZYY00541	IC		
		IC8900	TVR4G258-AD	ROM IC (C3FBTY000035)		
		IC9800	C1ZBZ0004953	IC		
COILS						
		L3111	J0JYC0000156	INDUCTOR		
		L3112	J0JYC0000156	INDUCTOR		
		L3113	J0JYC0000156	INDUCTOR		
		L3116	J0JYC0000156	INDUCTOR		
		L3119	J0JYC0000156	INDUCTOR		
		L3120	J0JYC0000156	INDUCTOR		
		L4051	J0ZZB0000147	COIL		
		L4052	J0ZZB0000147	COIL		
		L4053	J0ZZB0000147	COIL		
		L4054	J0ZZB0000147	COIL		
		L4055	J0ZZB0000147	COIL		
		L4056	J0ZZB0000147	COIL		
		L4901	G1C220MA0533	INDUCTOR		
		L4902	G1C220MA0533	INDUCTOR		
		L4903	G1C220MA0533	INDUCTOR		
		L4904	G1C220MA0533	INDUCTOR		
		L5400	G1C4R7ZA0311	INDUCTOR		
		L5420	G1C6R8MA0533	INDUCTOR		
		L5421	G1C220MA0445	INDUCTOR		
		L6704	J0JYC0000464	BEAD CORE		
		L6706	J0JYC0000464	BEAD CORE		
		L7201	J0JKB0000034	EMI FILTER		
		L7207	J0JHC0000075	BEAD COIL		
		L7303	EXCELD35V	CORE		
		L7502	G0C270MA0049	INDUCTOR		
		L8001	J0JCC0000287	COIL		
		L8009	J0JYC0000464	BEAD CORE		
		L8013	J0JYC0000464	BEAD CORE		
		L8014	J0JCC0000287	COIL		
		L8100	G1C3R3MA0464	INDUCTOR		
		L8101	G1C2R2ZA0311	INDUCTOR		
		L9800	G0C160J00001	INDUCTOR		
		L9801	G0C160J00001	INDUCTOR		
		L9802	J0JKB0000034	EMI FILTER		
		L9803	J0JKB0000034	EMI FILTER		
		L9804	J0JKA0000022	BEAD CORE		
		L9805	J0JKA0000022	BEAD CORE		
TRANSISTORS						
		Q2012	B1ABCE000015	TRANSISTOR		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		Q2013	B1ABCE000015	TRANSISTOR		
		Q3102	B1ABCE000015	TRANSISTOR		
		Q3103	B1ABCE000015	TRANSISTOR		
		Q4702	B1ABCF000231	TRANSISTOR		
		Q4709	B1ABCF000231	TRANSISTOR		
		Q4981	B1ABCE000015	TRANSISTOR		
		Q7201	B1CERR000085	TRANSISTOR		
		Q7202	B1ADCE000022	TRANSISTOR		
		Q7301	B1CFRR000023	TRANSISTOR		
		Q7302	B1CFRR000023	TRANSISTOR		
		Q7303	B1ADCE000022	TRANSISTOR		
		Q7401	B1ABCF000231	TRANSISTOR		
		Q7402	B1CHRE000015	TRANSISTOR		
		Q7403	B1CHRE000015	TRANSISTOR		
		Q7405	B1CHRE000015	TRANSISTOR		
		Q7407	B1CBGD000001	TRANSISTOR		
		Q7501	B1ABCF000231	TRANSISTOR		
		Q9800	B1CFML000007	TRANSISTOR		
		Q9801	B1CFML000007	TRANSISTOR		
		Q9802	B1CFRM000028	TRANSISTOR		
		Q9803	B1CFRM000028	TRANSISTOR		
		Q9804	B1CFRM000028	TRANSISTOR		
		Q9805	B1CFRM000028	TRANSISTOR		
		Q9806	B1ABGJ000007	TRANSISTOR		
		Q9807	B1ABBE000003	TRANSISTOR		
		Q9808	B1ABBE000003	TRANSISTOR		
		Q9809	B1ABPF000011	TRANSISTOR		
		Q9810	B1ABPF000011	TRANSISTOR		
RESISTORS						
		R0903	D0GA272JA023	M 2.7KOHM, J.1/16W		
		R0904	D0GA473JA039	M 47KOHM J. 1/10W		
		R0905	D0GA101JA039	M 100OHM,J.1/10W		
		R0906	D0GA101JA039	M 100OHM,J.1/10W		
		R0907	D0GA101JA039	M 100OHM,J.1/10W		
		R0910	D0GA332JA023	M 3.3KOHM, J,1/16W		
		R0911	D0GA272JA023	M 2.7KOHM, J.1/16W		
		R0912	D0GA272JA023	M 2.7KOHM, J.1/16W		
		R0913	D0GA332JA023	M 3.3KOHM, J,1/16W		
		R0914	D0GA101JA039	M 100OHM,J.1/10W		
		R0915	D0GA101JA039	M 100OHM,J.1/10W		
		R0916	D0GA101JA039	M 100OHM,J.1/10W		
		R0917	D0GA101JA039	M 100OHM,J.1/10W		
		R0932	D0GA220JA023	M22 OHM, J.1/16 W		
		R0933	D0GA220JA023	M22 OHM, J.1/16 W		
		R0936	D0GA220JA023	M22 OHM, J.1/16 W		
		R0937	D0GA220JA023	M22 OHM, J.1/16 W		
		R0938	D0GA101JA039	M 100OHM,J.1/10W		
		R0940	D0GA101JA039	M 100OHM,J.1/10W		
		R0946	D0GA101JA039	M 100OHM,J.1/10W		
		R0948	D0GA101JA039	M 100OHM,J.1/10W		
		R0951	D0GA101JA039	M 100OHM,J.1/10W		
		R0952	D0GA102JA039	M 1KOHM ,J, 1/10W		
		R0953	D0GA272JA023	M 2.7KOHM, J.1/16W		
		R0954	D0GA272JA023	M 2.7KOHM, J.1/16W		
		R0955	D0GA272JA023	M 2.7KOHM, J.1/16W		
		R0956	D0GA332JA023	M 3.3KOHM, J,1/16W		
		R0957	D0GA332JA023	M 3.3KOHM, J,1/16W		
		R1951	D0GA680JA023	M 68 OHM, J,1/16W		
		R1953	D0GA103JA039	M 10KOHM,F,1/16W		
		R2000	D0GA154JA023	M 150KOHM J 1/16W		
		R2003	D0GAR00J0005	M 0 OHM, 1/16W		
		R2008	D0GA473JA039	M 47KOHM J. 1/10W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R2010	D0GDR00J0004	M 0 OHM, 1/8W		
		R2013	D0GA101JA039	M 100OHM,J.1/10W		
		R2014	D0GA101JA039	M 100OHM,J.1/10W		
		R2016	D0GA302JA023	M 3K OHM J ,1/16W		
		R2051	D0GA101JA039	M 100OHM,J.1/10W		
		R2056	D0GAR00J0005	M 0 OHM, 1/16W		
		R2058	D0GA473JA039	M 47KOHM J. 1/10W		
		R2059	D0GA103JA039	M 10KOHM,F,1/16W		
		R2060	D0GA473JA039	M 47KOHM J. 1/10W		
		R2061	D0GA223JA023	M 22K OHM J 1/16W		
		R2062	D0GA101JA039	M 100OHM,J.1/10W		
		R2803	D0GAR00J0005	M 0 OHM, 1/16W		
		R2820	D0GA470JA023	M 47 OHM, J,1/16W		
		R2821	D0GAR00J0005	M 0 OHM, 1/16W		
		R2823	D1BA1821A023	M 1.82KOHM ,J, 1/16W		
		R2824	D1BA6800A023	M 680OHM ,J, 1/16W		
		R2852	D1BD1911A177	M 1.91KOHM ,J, 1/16W		
		R2853	D1BD3091A177	M 3.09KOHM ,J, 1/61W		
		R2854	D1BD6041A076	M 6.04KOHM ,J, 1/16W		
		R2855	D1BD1692A177	M 16.9KOHM ,J, 1/16W		
		R3117	D0GA102JA039	M 1KOHM ,J, 1/10W		
		R3118	D0GA473JA039	M 47KOHM J. 1/10W		
		R3121	D0GB104ZA041	M 100KOHM,J.1/10W		
		R3132	D0GB103JA065	M 10K OHM J 1/10W		
		R3142	D1BD75R00003	M 75OHM ,J, 1/16W		
		R3157	D1HY2204A012	NETWORK RESISTER		
		R3163	D0GA104JA039	M 100KOHM J 1/10W		
		R3164	D0GA104JA039	M 100KOHM J 1/10W		
		R3167	D0GA333JA023	M 33KOHM,J,1/16W		
		R3168	D0GA333JA023	M 33KOHM,J,1/16W		
		R3171	D0GA101JA039	M 100OHM,J.1/10W		
		R3172	D0GA101JA039	M 100OHM,J.1/10W		
		R3173	D0GB104ZA041	M 100KOHM,J.1/10W		
		R3179	D0GA331JA023	M 330 OHM, J,1/16W		
		R3180	D0GA331JA023	M 330 OHM, J,1/16W		
		R3181	D1BD75R00003	M 75OHM ,J, 1/16W		
		R3182	D1BD75R00003	M 75OHM ,J, 1/16W		
		R3183	D1BD75R00003	M 75OHM ,J, 1/16W		
		R3184	D0GA333JA023	M 33KOHM,J,1/16W		
		R3185	D0GA333JA023	M 33KOHM,J,1/16W		
		R3188	D0GB104ZA041	M 100KOHM,J.1/10W		
		R3189	D0GB104ZA041	M 100KOHM,J.1/10W		
		R3194	D0GA220JA023	M22 OHM, J.1/16 W		
		R3201	D0GA101JA039	M 100OHM ,J, 1/10W		
		R3231	D0GB103JA065	M 10K OHM J 1/10W		
		R3233	D0GB203ZA038	M 20KOHM 1/10W		
		R3234	D0GB203ZA038	M 20KOHM 1/10W		
		R3237	D0GB473JA065	M 47KOHM J. 1/10W		
		R3238	D0GB473JA065	M 47KOHM J. 1/10W		
		R4086	D0GDR00J0004	M 0 OHM, 1/8W		
		R4715	D0GA103JA039	M 10KOHM,F,1/16W		
		R4721	D0GA103JA039	M 10KOHM,F,1/16W		
		R4722	D0GA103JA039	M 10KOHM,F,1/16W		
		R4723	D0GA473JA039	M 47KOHM J. 1/10W		
		R4724	D0GA102JA039	M 1KOHM ,J, 1/10W		
		R4725	D0GA473JA039	M 47KOHM J. 1/10W		
		R4731	D0GA103JA039	M 10KOHM,F,1/16W		
		R4739	D0GA220JA023	M22 OHM, J.1/16 W		
		R4748	D0GA680JA023	M 68 OHM, J,1/16W		
		R4749	D0GA680JA023	M 68 OHM, J,1/16W		
		R4750	D0GA680JA023	M 68 OHM, J,1/16W		
		R4751	D0GA680JA023	M 68 OHM, J,1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R4752	D1BA1600A023	M 160 OHM,F,1/16 W		
		R4753	D1BA82R0A023	M 82KOHM , 1/8W		
		R4764	D0GA473JA039	M 47KOHM J. 1/10W		
		R4766	D0GA473JA039	M 47KOHM J. 1/10W		
		R4788	D0GA103JA039	M 10KOHM,F,1/16W		
		R4794	D0GA103JA039	M 10KOHM,F,1/16W		
		R4795	D0GA103JA039	M 10KOHM,F,1/16W		
		R4796	D0GA473JA039	M 47KOHM J. 1/10W		
		R4797	D0GA102JA039	M 1.0KOHM,J,1/8W		
		R4798	D0GA473JA039	M 47KOHM J. 1/10W		
		R4799	D0GA273JA023	M 27K OHM J ,1/16W		
		R4800	D0GA473JA039	M 47KOHM J. 1/10W		
		R4801	D0GA473JA039	M 47KOHM J. 1/10W		
		R4802	D0GBR00J0004	M 0 OHM J 1/10W		
		R4900	D0GFR00J0005	M 0 OHM,J,1/3W		
		R4901	D1HY6804A012	NETWORK RESISTER		
		R4906	D0GA103JA039	M 10KOHM,F,1/16W		
		R4907	D0GA102JA039	M 1.0KOHM,J,1/8W		
		R4908	D0GA102JA039	M 1.0KOHM,J,1/8W		
		R4917	D0GAR00J0005	M 0 OHM, 1/16W		
		R4918	D0GAR00J0005	M 0 OHM, 1/16W		
		R4919	D0GAR00J0005	M 0 OHM, 1/16W		
		R4955	D0GA103JA039	M 10KOHM,F,1/16W		
		R4956	D0GA102JA039	M 1.0KOHM,J,1/8W		
		R4958	D0GA103JA039	M 10KOHM,F,1/16W		
		R4980	D0GB332JA065	M 3.3KOHM,J,1/10W		
		R4981	D0GA103JA039	M 10KOHM,F,1/16W		
		R4982	D0GA473JA039	M 47KOHM J. 1/10W		
		R4984	D0GDR00J0004	M 0 OHM, 1/8W		
		R4985	D0GDR00J0004	M 0 OHM, 1/8W		
		R4986	D0GDR00J0004	M 0 OHM, 1/8W		
		R4987	D0GDR00J0004	M 0 OHM, 1/8W		
		R5002	D0GA683JA023	M 68KOHM, J,1/16W		
		R5003	D0GA103JA039	M 10KOHM,F,1/16W		
		R5006	D0GA103JA039	M 10KOHM,F,1/16W		
		R5007	D0GA103JA039	M 10KOHM,F,1/16W		
		R5009	D1BA5602A023	M 56KOHM,F. 1/16 W		
		R5012	D1BA2202A023	M 22KOHM,F. 1/16 W		
		R5030	D0GA103JA039	M 10KOHM,F,1/16W		
		R5031	D0GAR00J0005	M 0 OHM, 1/16W		
		R5032	D0GAR00J0005	M 0 OHM, 1/16W		
		R5100	D0GA101JA039	M 100OHM ,J, 1/10W		
		R5101	D0GA473JA039	M 47KOHM J. 1/10W		
		R5102	D0GA473JA039	M 47KOHM J. 1/10W		
		R5104	D0GA103JA039	M 10KOHM,F,1/16W		
		R5152	D0GA222JA023	M 2.2KOHM, J,1/16W		
		R5175	D0GA680JA023	M 68 OHM, J,1/16W		
		R5181	D0GA103JA039	M 10KOHM,F,1/16W		
		R5200	D0GBR00J0004	M 0 OHM J 1/10W		
		R5400	D0GAR00J0005	M 0 OHM, 1/16W		
		R5401	D1BA2202A023	M 22KOHM,F. 1/16 W		
		R5402	D0GB911ZA037	M 910 OHM,1/10W		
		R5403	D1BB2871A106	M 2.87 KOHM,F,1/10 W		
		R5404	D0GD100JA059	M 10 OHM,J,1/4W		
		R5420	D0GAR00J0005	M 0 OHM, 1/16W		
		R5421	D1BA3302A023	M 33KOHM,F. 1/16 W		
		R5422	D0GB911ZA037	M 910 OHM,1/10W		
		R5423	D1BB4871A106	M 4.87 KOHM,F,1/10 W		
		R5424	D0GD100JA059	M 10 OHM,J,1/4W		
		R5426	D0GA220JA023	M22 OHM, J.1/16 W		
		R5427	D0GD100JA059	M 10 OHM,J,1/4W		
		R5428	D0GD272JA052	M 2.7KOHM,J,1/8W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R5429	D1BA1402A023	M 14KOHM, F. 1/16 W		
		R5430	D1BA1001A023	M 1 KOHM, F.1/16 W		
		R5431	D0GA473JA039	M 47KOHM J. 1/10W		
		R5432	D1BA2702A023	M 27KOHM, F, 1/16W		
		R5712	D0GA332JA023	M 3.3KOHM, J, 1/16W		
		R5715	D1BA1200A023	M 120 OHM, F.1/16 W		
		R5716	D1BA56R0A023	M 56 OHM, F.1/16 W		
		R6728	D0GA681JA023	M680 OHM, J, 1/16W		
		R6729	D0GA681JA023	M680 OHM, J, 1/16W		
		R6734	D1BA1002A023	M 10KOHM, F, 1/16W		
	⚠	R7101	D0GF105JA048	M 1M OHM. 1/4W		
	⚠	R7102	D0GF105JA048	M 1M OHM. 1/4W		
	⚠	R7103	D0GF105JA048	M 1M OHM. 1/4W		
		R7201	ERX1SJR22V	M 0.22 OHM ,J, 1W		
		R7202	ERX1SJR22V	M 0.22 OHM ,J, 1W		
		R7203	D0GD563JA052	M 56KOHM, J, 1/8W		
		R7204	D0GF101JA047	M 100 OHM, J, 1/3W		
		R7205	D0GD470JA052	M 47 OHM, J, 1/8W		
		R7206	D0GD4R7JA059	M 4.7 OHM, J, 1/4W		
		R7207	D0GB104JA065	M 100KOHM J 1/10W		
		R7208	ERX1SJR22V	M 0.22 OHM ,J, 1W		
		R7209	D0AF2R2JA112	C 2.2 OHM, J, 1/2W		
		R7210	ERX1SJR22V	M 0.22 OHM ,J, 1W		
		R7211	D0GD104JA052	M 100KOHM, J, 1/8W		
		R7212	D0GB683JA065	M 68KOHM J 1/10W		
		R7219	D0GB513JA065	M 51KOHM ,J, 1/8W		
		R7220	D0GB223JA065	M 22KOHM, J, 1/10W		
		R7224	D1BD8203A177	M 820KOHM , 1/8W		
		R7225	D1BF1504A073	M 1.5MOHM , F, 1/16W		
		R7226	D1BF1504A073	M 1.5MOHM , F, 1/16W		
		R7227	D1BF1504A073	M 1.5MOHM , F, 1/16W		
		R7228	D1BF1504A073	M 1.5MOHM , F, 1/16W		
		R7229	D1BD2003A076	M 200KOHM , F, 1/8W		
		R7230	D1BD4422A177	M 44.2KOHM , F, 1/8W		
		R7231	D1BD4303A177	M 360KOHM , F, 1/8W		
		R7232	D1BD3603A177	M 360KOHM , F, 1/8W		
		R7234	D1BD8203A177	M 820KOHM , 1/8W		
		R7240	D0GF225JA048	M 2.2MOHM ,J, 1/10W		
		R7241	D0GF225JA048	M 2.2MOHM ,J, 1/10W		
		R7242	D0GF225JA048	M 2.2MOHM ,J, 1/10W		
		R7243	D0GF225JA048	M 2.2MOHM ,J, 1/10W		
		R7244	D0GD124JA052	M 120KOHM, J, 1/8W		
		R7302	D0GD101JA059	M 100 OHM, J, 1/4W		
		R7303	D0GD101JA059	M 100 OHM, J, 1/4W		
		R7304	D0AF2R2JA112	C 2.2 OHM, J, 1/2W		
		R7305	D0AF161JA112	C 160 OHM ,J, 1/2W		
		R7306	D0GD222JA052	M 2.2KOHM, J, 1/8W		
		R7307	D0GD561JA052	M 560 OHM, J, 1/8W		
		R7308	D0GD561JA052	M 560 OHM, J, 1/8W		
		R7312	D0AF153JA112	M 15KOHM , F, 1/10W		
		R7314	D0GD103JA052	M 10KOHM, J, 1/8W		
		R7315	D0GB222JA065	M 2.2KOHM, J, 1/10W		
		R7317	D0GD223JA052	M 22KOHM, J, 1/8W		
		R7318	D0GB473JA065	M 47KOHM J. 1/10W		
		R7319	D0GD473JA052	M 47KOHM, J, 1/8W		
		R7320	D0GD333JA052	M 33 KOHM, J, 1/8W		
		R7321	D0GD100JA059	M 10 OHM, J, 1/4W		
		R7322	D0GD100JA059	M 10 OHM, J, 1/4W		
		R7323	D0GD223JA052	M 22KOHM, J, 1/8W		
		R7324	D0GD223JA052	M 22KOHM, J, 1/8W		
		R7325	ERX1SJ1R0V	M 10HM ,J, 1W		
		R7326	D0B1106JA033	M 10MOHM J 1W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7401	D0GD472JA052	M 4.7KOHM,J,1/8W		
		R7402	D0GD103JA052	M 10KOHM,J,1/8W		
		R7403	D0GD102JA052	M 1.0KOHM,J,1/8W		
		R7404	D0GD104JA052	M 100KOHM,J,1/8W		
		R7405	D0GD222JA052	M 2.2KOHM,J,1/8W		
		R7406	D1BD3301A180	M 3.3KOHM, J,1/16W		
		R7407	D0GB103JA065	M 10K OHM J 1/10W		
		R7408	D1BD4302A180	M 43KOHM ,F, 1/16W		
		R7409	D0GD224JA052	M 220KOHM,J,1/8W		
		R7410	D0GD153JA052	M 15KOHM,J,1/8W		
		R7411	D0GD334JA052	M 330KOHM,J,1/8W		
		R7412	D0GD153JA052	M 15KOHM,J,1/8W		
		R7413	D1BD5603A066	M 560KOHM ,J, 1/10W		
		R7415	D0GD472JA052	M 4.7KOHM,J,1/8W		
		R7416	D0GD103JA052	M 10KOHM,J,1/8W		
		R7417	D0GD103JA052	M 10KOHM,J,1/8W		
		R7418	D0GD103JA052	M 10KOHM,J,1/8W		
		R7419	D0GD103JA052	M 10KOHM,J,1/8W		
		R7420	D0GD473JA052	M 47KOHM,J,1/8W		
		R7421	D0GD124JA052	M 120KOHM,J,1/8W		
		R7422	D0GD224JA052	M 220KOHM,J,1/8W		
		R7423	D0GD334JA052	M 330KOHM,J,1/8W		
		R7505	D0GD473JA052	M 47KOHM,J,1/8W		
		R7506	D1BD1203A076	M 120KOHM,J,1/8W		
		R7507	D1BD3652A177	M 36.5KOHM ,F, 1/16W		
		R7508	D0GD334JA052	M 330KOHM,J,1/8W		
		R8005	D0GA1R1JA023	M 1.1OHM, J,1/16W		
		R8010	D0GA511JA023	M510 OHM, J,1/16W		
		R8011	D0GA104JA039	M 100KOHM J 1/10W		
		R8101	D1BA4701A023	M 4.7KOHM,F 1/16 W		
		R8102	D1BB2002A195	M 20KOHM ,F, 1/16W		
		R8103	D1BB1802A195	M 18KHM ,F, 1/10W		
		R8200	D1BA2400A023	M 240 OHM,F.1/16 W		
		R8203	D1BA2700A023	M 270 OHM,F.1/16 W		
		R8204	D1BA2700A023	M 270 OHM,F.1/16 W		
		R8205	D1BA2700A023	M 270 OHM,F.1/16 W		
		R8206	D1BA2700A023	M 270 OHM,F.1/16 W		
		R8207	D1BA2700A023	M 270 OHM,F.1/16 W		
		R8208	D1BA2700A023	M 270 OHM,F.1/16 W		
		R8217	D0GA221JA023	M220 OHM, J.1/16 W		
		R8218	D0GA221JA023	M220 OHM, J.1/16 W		
		R8219	D1BA2400A023	M 240 OHM,F.1/16 W		
		R8220	D1BA2400A023	M 240 OHM,F.1/16 W		
		R8230	D1BA2700A023	M 270 OHM,F.1/16 W		
		R8231	D1BA2700A023	M 270 OHM,F.1/16 W		
		R8232	D1BA2700A023	M 270 OHM,F.1/16 W		
		R8233	D1BA2700A023	M 270 OHM,F.1/16 W		
		R8234	D0GA220JA023	M22 OHM, J.1/16 W		
		R8236	D0GA220JA023	M22 OHM, J.1/16 W		
		R8240	D1HY2204A012	NETWORK RESISTER		
		R8241	D1HY2204A012	NETWORK RESISTER		
		R8242	D1HY2204A012	NETWORK RESISTER		
		R8243	D1HY2204A012	NETWORK RESISTER		
		R8244	D1HY2204A012	NETWORK RESISTER		
		R8245	D0GA220JA023	M22 OHM, J.1/16 W		
		R8246	D0GA220JA023	M22 OHM, J.1/16 W		
		R8300	D0GA331JA023	M 330 OHM, J,1/16W		
		R8301	D0GA360JA023	M 36 OHM, J,1/16W		
		R8302	D0GA360JA023	M 36 OHM, J,1/16W		
		R8303	D1BA6201A023	M 6.2 KOHM,F.1/16 W		
		R8305	D1BA2491A023	M 2.49KOHM,F,1/16W		
		R8306	D0GA360JA023	M 36 OHM, J,1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8307	D0GA360JA023	M 36 OHM, J,1/16W		
		R8450	D0GA103JA039	M 10KOHM,F,1/16W		
		R8451	D0GA103JA039	M 10KOHM,F,1/16W		
		R8455	D0GA103JA039	M 10KOHM,F,1/16W		
		R8458	D1BA3742A023	M 37.4 KOHM,F.1/16 W		
		R8469	D0GA103JA039	M 10KOHM,F,1/16W		
		R8666	D1HY1038A012	NETWORK RESISTER		
		R8800	D0GA103JA039	M 10KOHM,F,1/16W		
		R8803	D0GA103JA039	M 10KOHM,F,1/16W		
		R8807	D0GA102JA039	M 10KOHM,F,1/16W		
		R8816	D0GA103JA039	M 10KOHM,F,1/16W		
		R8818	D0GA103JA039	M 10KOHM,F,1/16W		
		R8819	D0GA103JA039	M 10KOHM,F,1/16W		
		R8820	D0GA103JA039	M 10KOHM,F,1/16W		
		R8830	D0GA103JA039	M 10KOHM,F,1/16W		
		R8850	D0GA331JA023	M 330 OHM, J,1/16W		
		R8851	D1BB7151A106	M 7.15 KOHM,F.1/10 W		
		R8852	D0GA102JA039	M 1KOHM ,J, 1/10W		
		R8853	D0GA182JA023	M 1.8KOHM, J,0.063W		
		R8858	D0GA103JA039	M 10KOHM,F,1/16W		
		R8870	D0GA103JA039	M 10KOHM,F,1/16W		
		R8878	D0GA103JA039	M 10KOHM,F,1/16W		
		R8880	D0GA103JA039	M 10KOHM,F,1/16W		
		R8881	D0GA103JA039	M 10KOHM,F,1/16W		
		R8883	D0GA103JA039	M 10KOHM,F,1/16W		
		R8884	D0GA103JA039	M 10KOHM,F,1/16W		
		R8885	D0GA103JA039	M 10KOHM,F,1/16W		
		R8886	D0GA102JA039	M 1KOHM ,J, 1/10W		
		R8909	D0GA222JA023	M 2.2KOHM, J,1/16W		
		R8910	D0GA103JA039	M 10KOHM,F,1/16W		
		R8911	EXB2HV121JV	M 120OHM ,J, 1/16W		
		R8924	D0GA102JA039	M 1KOHM ,J, 1/10W		
		R8926	D0GA332JA023	M 3.3KOHM, J,1/16W		
		R8967	D0GA473JA039	M 47KOHM J. 1/10W		
		R9800	D0GD101JA059	M 100 OHM,J,1/4W		
		R9801	D0GD222JA052	M 2.2KOHM,J,1/8W		
		R9802	D0GD103JA052	M 10KOHM,J,1/8W		
		R9803	D0GD221JA052	M 220 OHM,J 1/8W		
		R9804	D0C12R2JA104	M 47KOHM J. 1/10W		
		R9806	D0GD153JA052	M 15KOHM,J,1/8W		
		R9807	D0GD623JA052	M 0.22 OHM ,J, 1W		
		R9808	D0GD822JA052	M 8.2KOHM,J,1/8W		
		R9809	D0GD223JA052	M 22KOHM,J,1/8W		
		R9810	D0GD223JA052	M 22KOHM,J,1/8W		
		R9811	D0GD103JA052	M 10KOHM,J,1/8W		
		R9812	D0GD101JA059	M 100 OHM,J,1/4W		
		R9813	D0GD222JA052	M 2.2KOHM,J,1/8W		
		R9814	D0GD103JA052	M 10KOHM,J,1/8W		
		R9815	D0GD221JA052	M 220 OHM,J 1/8W		
		R9816	D0C12R2JA104	M 110KOHM ,J, 1/16W		
		R9818	D0GD102JA052	M 1.0KOHM,J,1/8W		
		R9819	D0GD102JA052	M 1.0KOHM,J,1/8W		
		R9820	D0GD100JA059	M 10 OHM,J,1/4W		
		R9821	D0GD2R2JA059	M 2.2 OHM,J.1/4W		
		R9822	D0GD103JA052	M 10KOHM,J,1/8W		
		R9823	D0GD101JA052	M 100 OHM,J,1/8W		
		R9824	D0C1R15JA104	M 16.5KOHM ,J, 1/16W		
		R9825	D0C1R15JA104	M 16.5KOHM ,J, 1/16W		
		R9826	D0GD223JA052	M 22KOHM,J,1/8W		
		R9827	D0GD223JA052	M 22KOHM,J,1/8W		
		R9828	D0GD101JA052	M 100 OHM,J,1/8W		
		R9829	D0C1R15JA104	M 0.15 OHM ,J, 1W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R9831	D0GD2R2JA059	M 2.2 OHM,J.1/4W		
		R9832	D0GD103JA052	M 10KOHM,J,1/8W		
		R9833	D0GD123JA052	M 12KOHM,J,1/8W		
		R9834	D0GD184JA052	M 180KOHM,J,1/8W		
		R9835	D0GD274JA052	M 270K OHM,F.1/16 W		
		R9836	D0GD274JA052	M 270K OHM,F.1/16 W		
		R9837	D0GD2R2JA059	M 2.2 OHM,J.1/4W		
		R9839	D0GD103JA052	M 10KOHM,J,1/8W		
		R9840	D0GD2R2JA059	M 2.2 OHM,J.1/4W		
		R9841	D0GD100JA059	M 10 OHM,J,1/4W		
		R9842	D0GD103JA052	M 10KOHM,J,1/8W		
		R9843	D0C1R15JA104	M 0.15 OHM ,J, 1W		
		R9844	D0GD101JA052	M 100 OHM,J,1/8W		
		R9845	D0GDR00J0004	M 0 OHM, 1/8W		
		R9847	D0GD1R0JA052	M 1 OHM,J,1/8W		
		R9848	D0GD102JA052	M 1.0KOHM,J,1/8W		
		R9849	D0GD103JA052	M 10KOHM,J,1/8W		
		R9850	D0GD472JA052	M 4.7KOHM,J,1/8W		
		R9851	D0GD473JA052	M 47KOHM,J,1/8W		
		R9852	D0GDR00J0004	M 0 OHM, 1/8W		
		R9853	D0GDR00J0004	M 0 OHM, 1/8W		
		R9854	D0GDR00J0004	M 0 OHM, 1/8W		
TRANSFORMER						
		T7201	G4DYA0000462	TRANSFORMER		
		T7302	G4DYA0000449	TRANSFORMER		
OTHERS						
		A02	K1KY16BA0394	CONNECTOR		
		A10	K1KY07AA0719	CONNECTOR		
		A11	K1MY51BA0526	CONNECTOR		
		A12	K1KY04BA0387	CONNECTOR		
		CF7101	D4CAY4R7A096	THERMISTOR RESISTOR		
		CN0100	K1KA14A00248	CONNECTOR		
		F7101	K5E502YYA162	FUSE		
		GK4	K1KY03BA0402	CONNECTOR		
		JA1	D0GDR00J0004	CHIP RESISTOR		
		JA13	D0GDR00J0004	CHIP RESISTOR		
		JA2	D0GDR00J0004	CHIP RESISTOR		
		JA21	D0GDR00J0004	CHIP RESISTOR		
		JA56	D0GFR00J0005	CHIP RESISTOR		
		JA57	D0GFR00J0005	CHIP RESISTOR		
		JA6	D0GDR00J0004	CHIP RESISTOR		
		JA7	D0GDR00J0004	CHIP RESISTOR		
		JA9	D0GDR00J0004	CHIP RESISTOR		
		JK3101	K1U511D00002	AV TERMINAL		
		JK3102	K1U307E00002	AV TERMINAL		
		JK3103	K1U204D00004	AV TERMINAL		
		JK4700	K1FY119D0029	TERMINAL		
		JK4701	K1FY119D0029	TERMINAL		
		JK7101	K2AAYB000010	AC INLET		
		JK8451	K1FY104B0092	TERMINAL		
		JS008	D0GAR00J0005	CHIP RESISTOR		
		JS019	D0GAR00J0005	CHIP RESISTOR		
		JS7406	D0GFR00J0005	CHIP RESISTOR		
		K10	K1KY07BA0483	CONNECTOR		
		LD1	K1KA10BA0062	CONNECTOR		
		LD3	K1KY07BA0502	CONNECTOR		
		LF7105	G0B350HA0036	LINE FILTER		
		LF7106	G0B153H00015	LINE FILTER		
		LF7107	G0B153H00015	LINE FILTER		
		P2	K1KY14BA0386	CONNECTOR		
		P4	K1KY12BA0400	CONNECTOR		
		PA7402	ERBRE5R00V	FUSE RESISTOR		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		PA7406	ERBRE5R00V	FUSE RESISTOR		
		PC7301	B3PAA0000674	PHOTO COUPLER		
		PC7302	B3PAA0000674	PHOTO COUPLER		
		PC7303	B3PAA0000674	PHOTO COUPLER		
		RM2800	B3RBB0000018	PHOTO DETECTOR		
		SN2800	B3JB00000208	IC		
		SW2851	EVQ11G05R	SWITCH		
		SW2852	EVQ11G05R	SWITCH		
		SW2853	EVQ11G05R	SWITCH		
		SW2854	EVQ11G05R	SWITCH		
		SW2855	EVQ11G05R	SWITCH		
		SW2857	EVQ11G05R	SWITCH		
		TU6705	J3ACAAC000008	TUNER		
		X8300	H0J250500109	CRYSTAL RESONATOR		
		ZA7101	K4AD01A00004	RUG TERMINAL		
		ZA7103	K4AD01A00004	RUG TERMINAL		
		ZA7104	K4AD01A00004	RUG TERMINAL		
		ZA7105	K4AD01A00004	RUG TERMINAL		
		ZA9800	K4AD01A00004	RUG TERMINAL		
		ZA9801	K4AD01A00004	RUG TERMINAL		
		ZA9802	K4AD01A00004	RUG TERMINAL		
		ZA9803	K4AD01A00004	RUG TERMINAL		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
Exploded View						
		1	K2CJ2YY00087	AC CORD		
		2	L0EYAA000026	SPEAKER UNIT		
		3	L5EDDY00474	LCD PANEL		
		4	N2QAYB000817	REMOTE TRANSMITTER		
		5	TBL5ZX06661	PEDESTAL ASSY		
		6	TBL5ZX06671	STAND MTG ASSY		
			TBM4GD0771	MODEL NAME PLATE		
			TBX5ZA02301	KEY BUTTON BRACKET		
		7	TKK5ZC50311	LED PANEL		
		8	TKP5ZA32203	SIDE AV BRACKET		
		9	TKP5ZA38101	BOTTOM COVER		
		10	TKX5ZA02801	SPEAKER BRACKET		
		11	TPD4GA04591	TOP CUSHION		
		12	TPD4GA04601	BOTTOM CUSHION		
		13	TPD4GA04611	TOP CENTER CUSHION		
		14	TPD4GA04621	BOTTOM CENTER CUSHION		
		15	TPE4GH080	SET COVER		
		16	TQZ4GB699	FAN BAG ASSY		
			TSCKF0290001	LVDS CABLE		
		17	TTU4GA0960	BACK COVER		
		18	TTY4GA0305	CABINET		
		19	TXFPC01SRUA	PACKING CASE		
			XSS5+16FJK	PEDESTAL BRAC SCREW		
			XYN4+F12FJK	STAND BRAC SCREW		
Electrical Replacement Part List						
			TXN/P10SRUA	P BOARD		
			TXNGK1SRUA	GK BOARD		
			TXNLD1RJUK	LD BOARD		
			TZT/A10SRUA	A BOARD		
			TXN/K1WQUJ	K PRINT ASSY		