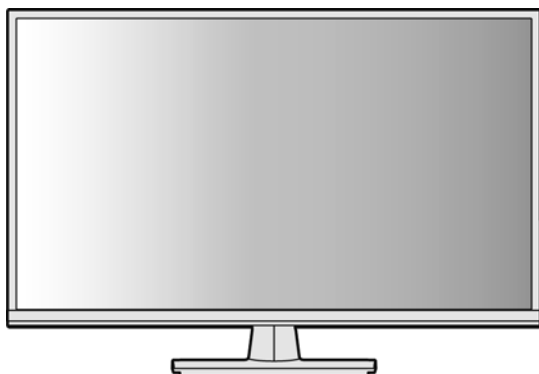


Service Manual

LED TV



Model No. TH-32A410R

Chassis: KM26

Destination: IRAN

WARNING

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

IMPORTANT SAFETY NOTICE

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

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1 Safety Precautions

1.1. General Guidelines

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

1.1.1. Leakage Current Cold Check

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

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

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

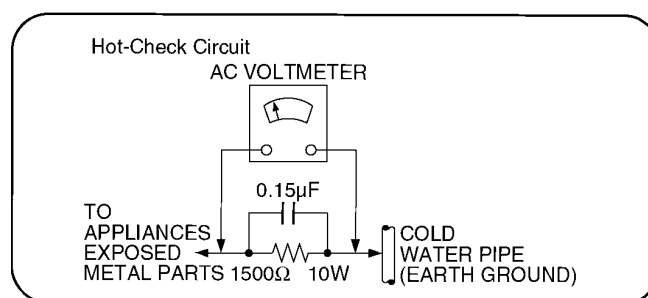


Figure 1

2 Warning

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

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

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

Caution

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

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

2.2. About lead free solder (PbF)

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

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

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

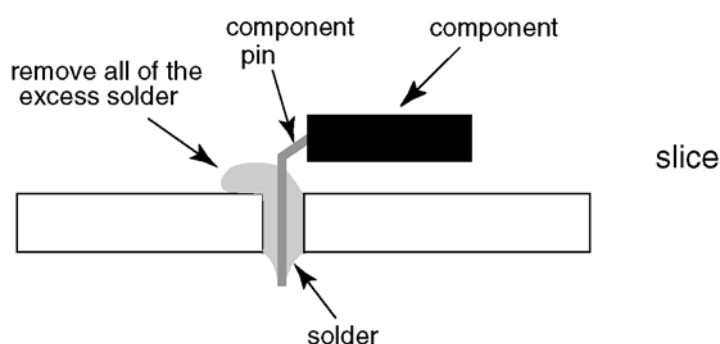
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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

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

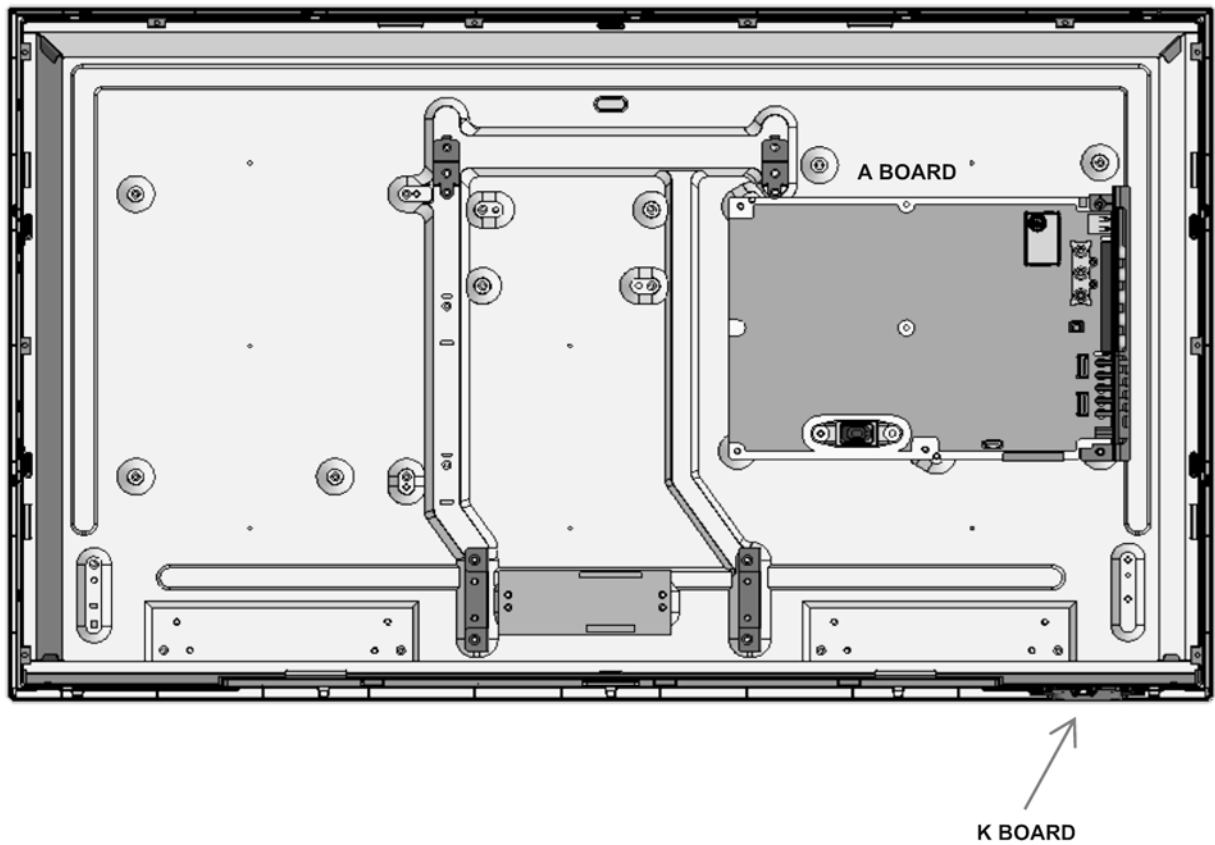
Caution

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



3 Service Navigation

3.1. Service Hint



Board	Main Device	Remarks
A (4 IN 1)	TUN, EEP,SPI Flash, Realteck Soc, Power Switch, Power Supply, Keyscan, LED Driver IC	Repairable
K	Remote Sensor, LED, Luminence Sensor	Repairable

4 Specifications

Dimensions (W × H × D)	734 mm × 502 mm × 184 mm (With Pedestal) 734 mm × 437 mm × 69 mm (TV only)		
Mass	6.0 kg Net (With Pedestal) 5.5 kg Net (TV only)		
Power source	AC Single 220-240 V, 50 / 60 Hz		
Rated power consumption	56 W		
Standby power consumption	0.30 W		
Visible screen size (diagonal)	80 cm		
Display resolution	1,366 (W) × 768 (H)		
Panel	LED backlight Liquid Crystal Display		
Sound			
Speaker output	20 W (10 W + 10 W)		
Connection terminals			
AV IN	VIDEO	RCA PIN Type × 1 1.0 V[p-p] (75 Ω)	
(COMPONENT / VIDEO)	AUDIO L - R	RCA PIN Type × 2 0.5 V[rms]	
	Y	1.0 V [p-p] (including synchronisation)	
	P _B /C _B , P _R /C _R	±0.35 V[p-p]	
HDMI 1 / 2 input	TYPE A Connectors HDMI1: Content Type HDMI2: Content Type, Audio Return Channel • This TV supports 'HDAVI Control 5' function.		
USB Port	DC 5 V, Max. 500 mA [Hi-Speed USB (USB 2.0)]		
DIGITAL AUDIO OUT	PCM / Dolby Digital / DTS, Fibre optic		
AUDIO OUT	AUDIO L - R	RCA PIN Type × 2 0.5 V[rms]	
Receiving systems / Band name	17 SYSTEMS		FUNCTION
	1	PAL B, G, H	
	2	PAL I	
	3	PAL D, K	
	4	SECAM B, G	Reception of broadcast transmissions and Playback from Video Cassette Tape Recorders
	5	SECAM D, K	
	6	SECAM K1	
	7	NTSC M (NTSC 3.58 / 4.5 MHz)	
	8	NTSC 4.43 / 5.5 MHz	
	9	NTSC 4.43 / 6.0 MHz	
	10	NTSC 4.43 / 6.5 MHz	
	11	NTSC 3.58 / 5.5 MHz	Playback from Special VCR's or DVD
	12	NTSC 3.58 / 6.0 MHz	
	13	NTSC 3.58 / 6.5 MHz	
	14	SECAM I	
	15	PAL 60 Hz / 5.5 MHz	
	16	PAL 60 Hz / 6.0 MHz	Playback from Special Disc Players and Special VCR's or DVD (via AV input only)
	17	PAL 60 Hz / 6.5 MHz	
	Digital TV	7 MHz VHF / 8 MHz UHF free-to-air TV broadcast reception	
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		

Note

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

5 Service Mode

5.1. How to enter into Service Mode

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.

Software version						
Picture adjustment	→	SERVICE	Peaks SOFT	4.716	OPTION 1	00
White balance adjustment	→	ADJUST	Peaks EEP	01.00.0015	OPTION 2	e6
Option setting	→	WB-ADJ	LSI PACKAGE	0.02e	OPTION 3	09
Service tool	→	OPTION	LSI DATA	1.00.00	OPTION 4	00
		SRV-TOOL	STBY SOFT	1.01.02	Model ID	0a
		DRV CHECK	STBY EEP	1.00.405d		0300035a
			STBY ROMCOR	0.00.00		00000800
			Ajak_CE	0.58.37	R/E Cnt	000/000/000
					INV Cnt	0000
					AVSW	-

5.1.2. Key command

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

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

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

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

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

5.1.3. How to exit

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

5.1.4. Contents of adjustment mode

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

Main item	Sub item	Sample Data
ADJUST	H POS	
	H AMP	
	V POS	
	V AMP	
	V COM	
WB-ADJ	R-GAIN	8D
	G-GAIN	AE
	B-GAIN	FF
	R-CENT	6C
	G-RENT	80
	B-CENT	A0
OPTION	Boot upgrade	NO
	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

5.1.5. 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].

5.1.6. Exit

1. Disconnect the AC cord from wall outlet.

5.1.7. Hotel Mode

1. Purpose

Restrict a function for hotels.

2. Access command to the Hotel mode setup menu.

In order to display the Hotel mode setup menu:

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

Then, the Hotel mode setup menu is displayed.

Hotel Mode	
Hotel Mode	Off
Initial INPUT	Off
Initial POS	1
Initial VOL Level	Off
Maximum VOL Level	100
Button Lock	Off
Remote Lock	Off
Copy TV to USB	[>]
Copy USB to TV	[>]

Select

3. To exit the Hotel mode setup menu

Disconnect AC power cord from wall outlet.

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, DVB-C, DVB-T, AV1, AV2, HDMI1, HDMI2 • Off: give priority to a last memory. However, Euro model is compulsorily set to TV.
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/ALL • 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.) • ALL: altogether invalid.
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.
Hotel Mode USB	Basically after user already setup the hotel mode according to their criteria, what they need to do is • insert USB (while in hotel mode) • choose 'Copy TV to USB' to copy the setting into the USB (a file will be created to store the hotel mode setting in the USB) • switch 'OFF' the unit • pull out USB from unit To copy the hotel mode setting from USB. • enter hotel mode • insert USB • choose 'Copy USB to TV' • follow instruction as shown on the units • once finish, switch 'OFF' the unit • pull out USB from unit
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

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

6.1.2. 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.

6.1.3. 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.

6.1.4. Exit

Disconnect the AC cord from wall outlet.

6.1.5. Screen display

32WHD		
SELF CHECK COMPLETE		
H14TUN	OK	PEAKS-SOFT 4.006
H90STBY	OK	PEAKS-EEP 01.00.0302
H92MEM1	OK	LSI-PACKAGE 0.015
H91MEM2	OK	LSI-RELEASE 0.07
H17LAN	OK	STBY-SOFT 1.00.03
H71TC-DAC	OK	STBY-EEP 1.00.0021
H96ID	OK	MODEL ID 0b 030003a1 00000040
H97ID2	OK	
H42WiFi	OK	

6.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

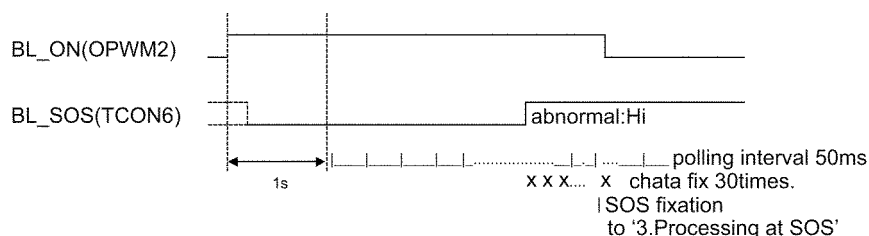
When an abnormality occurs, the protection circuit will operate and reset the unit to stand by mode. During this time, the defective block can be identified by the number of blinking times of the Power LED on the front panel of the unit as follow:

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

6.3. Method of detecting SOS

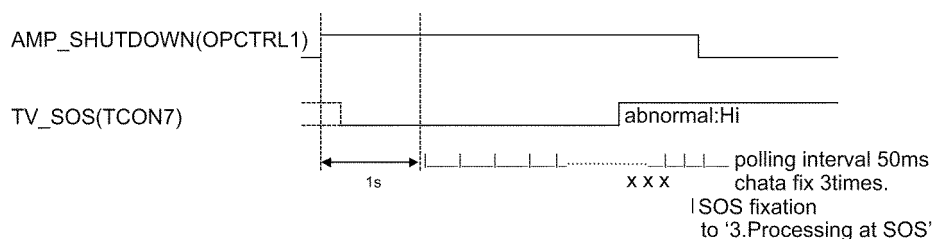
1. BL_SOS

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



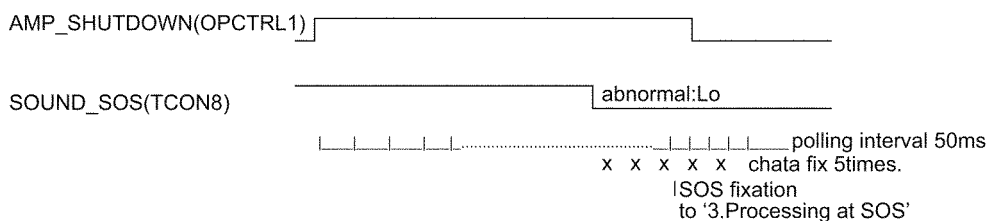
2. TV_SOS

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.

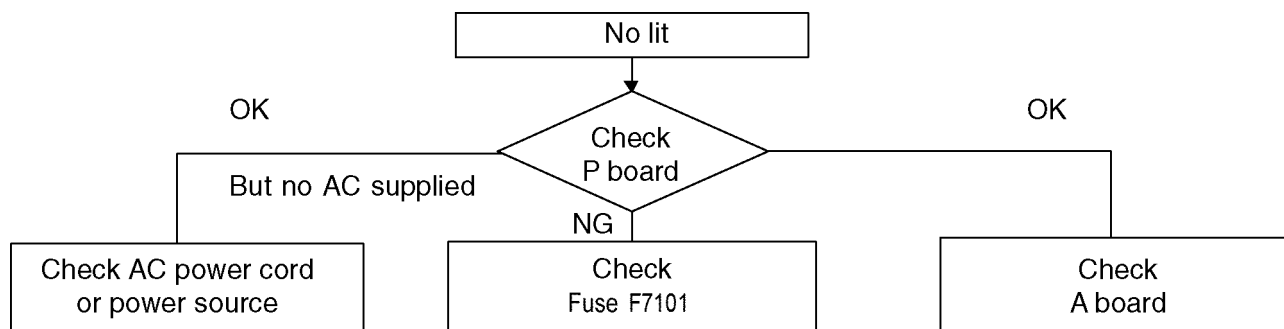
If the normal picture is displayed, LCD Panel must be okay and the cause of failure must be in A board.

6.5. No Power

First check point

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

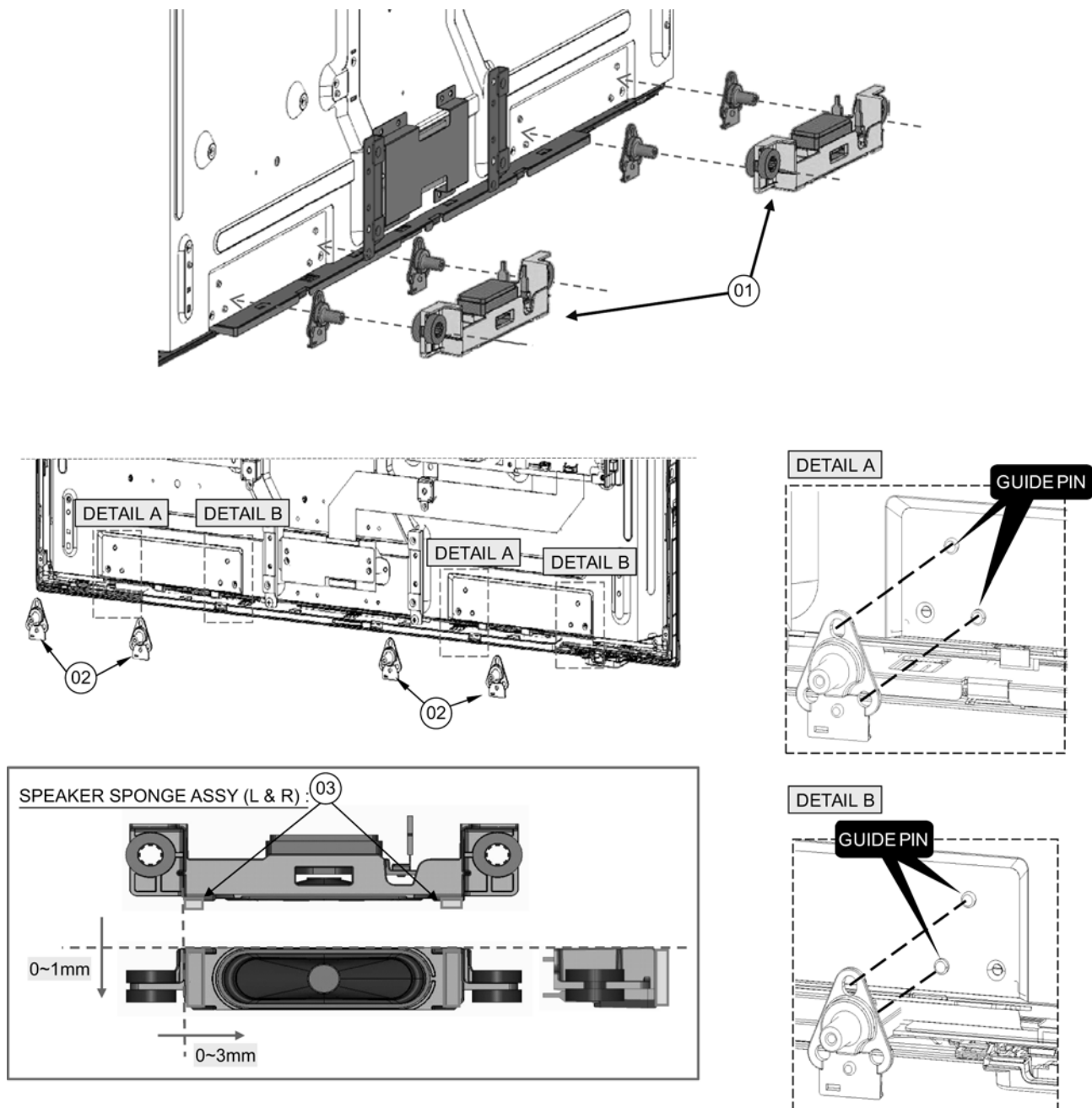
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 6.2.)



7 Disassembly and Assembly Instructions

7.1. SP Bracket & Metal Bottom

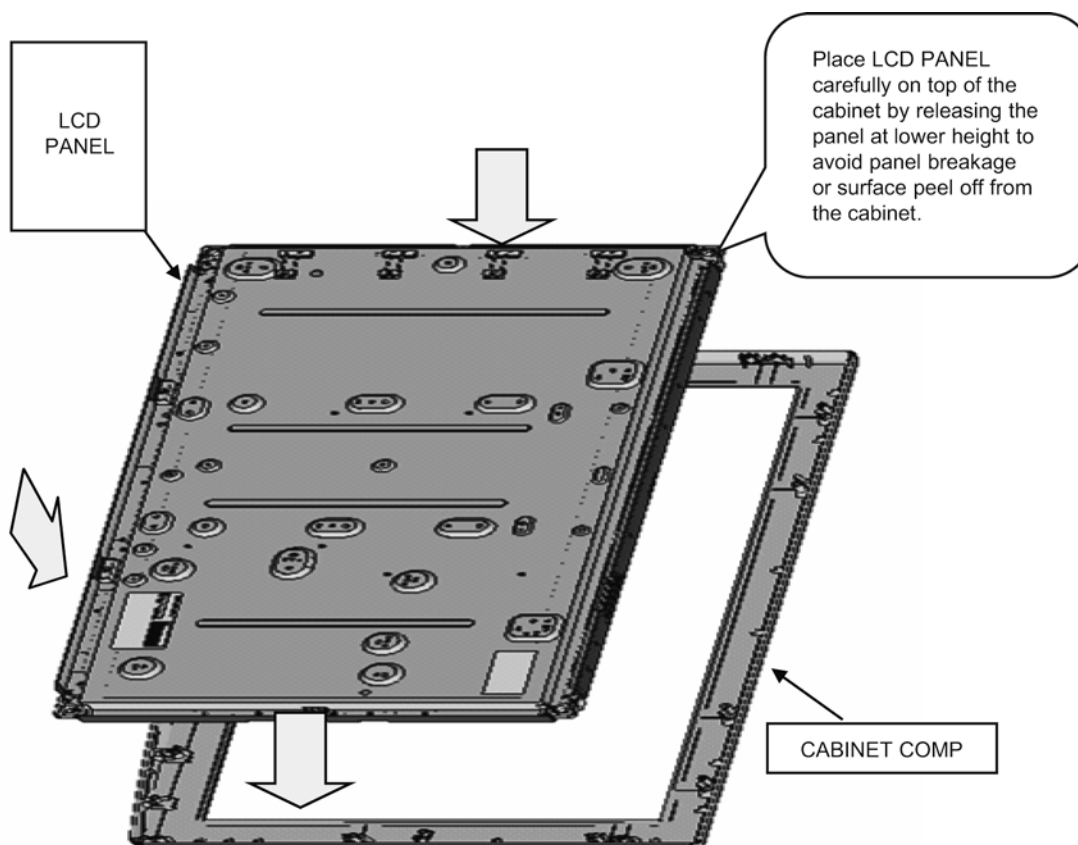
Fix speaker left & right.



No	Description	Qty	UOM
01	SPEAKER UNIT	2	PC
02	SPEAKER BRACKET	4	PC
03	SP SPONGE	4	PC

7.2. LCD Panel Fixing & Handling Method

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

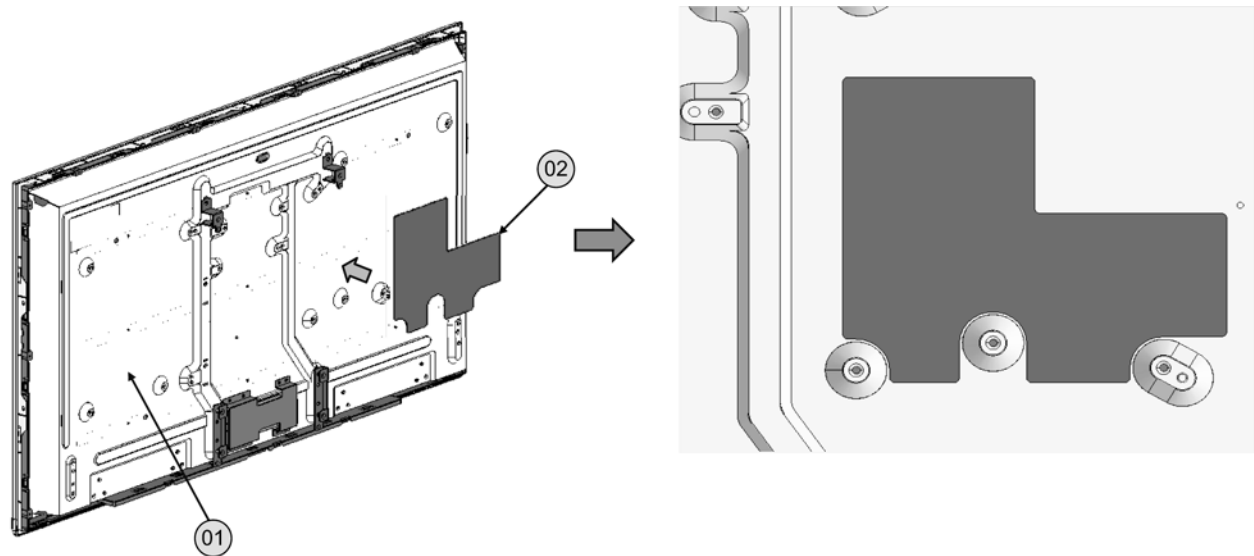


Other general precautions

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.

7.3. LCD Panel Assembly

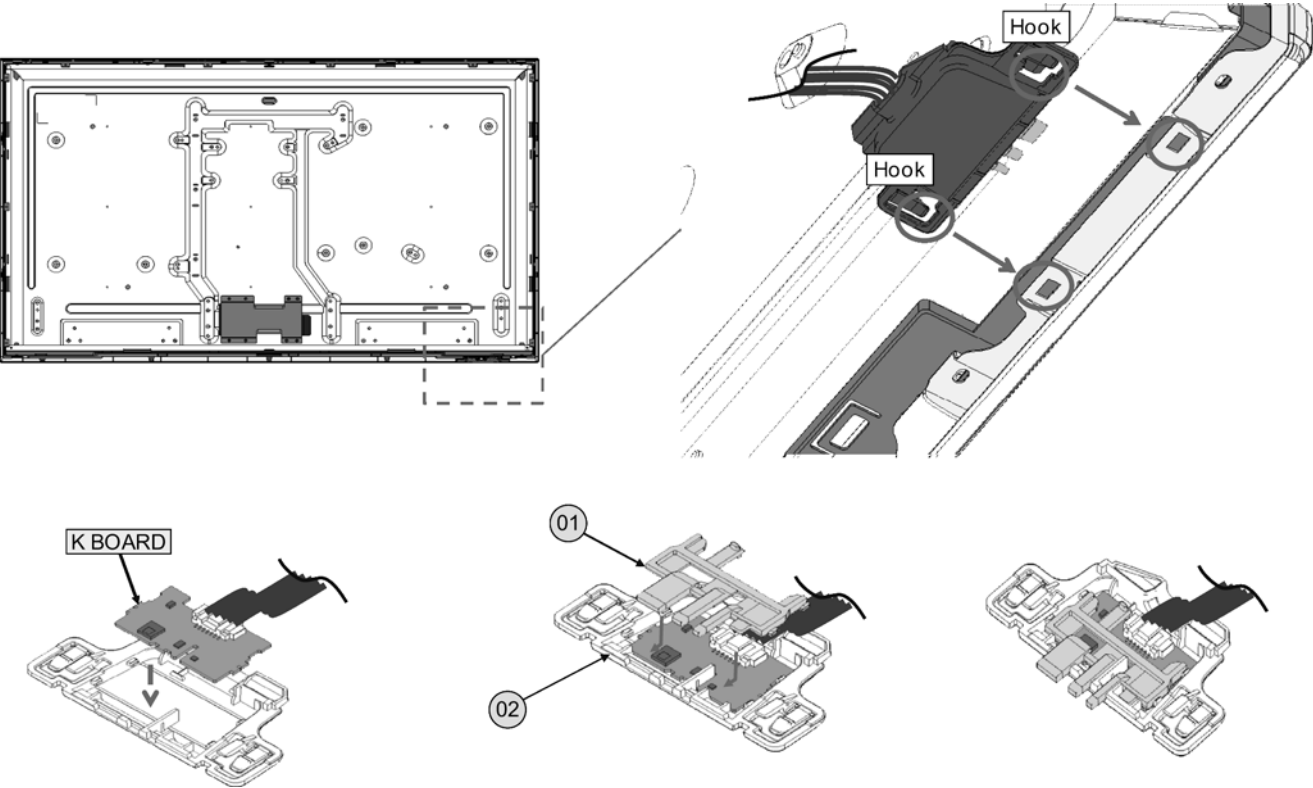
Install Barrier on Panel.



No	Description	Qty	UOM
01	LCD PANEL	1	PC
02	BARRIER	1	PC

7.4. LED Panel Ass'y

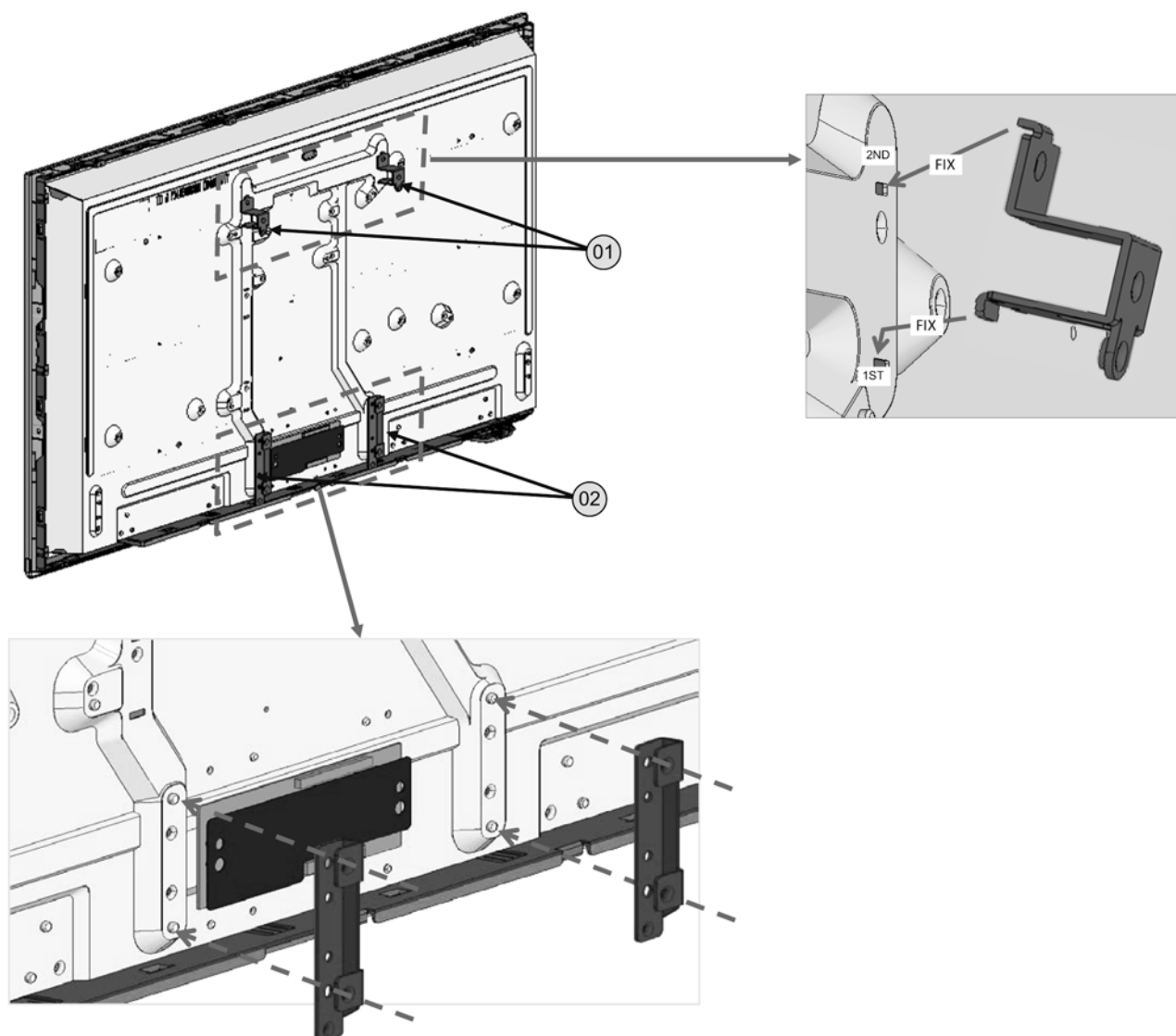
- 1. Fix K PCB to LED PANEL CASE.
- 2. Fix wire A10 to K PCB.
- 3. Fix LED panel to LED PANEL CASE.
- 4. Fix LED PANEL ASSY to cabinet.



No	Description	Qty	UOM
01	LED PANEL	1	PC
02	LED PANEL CASE	1	PC

7.5. Metal Bracket

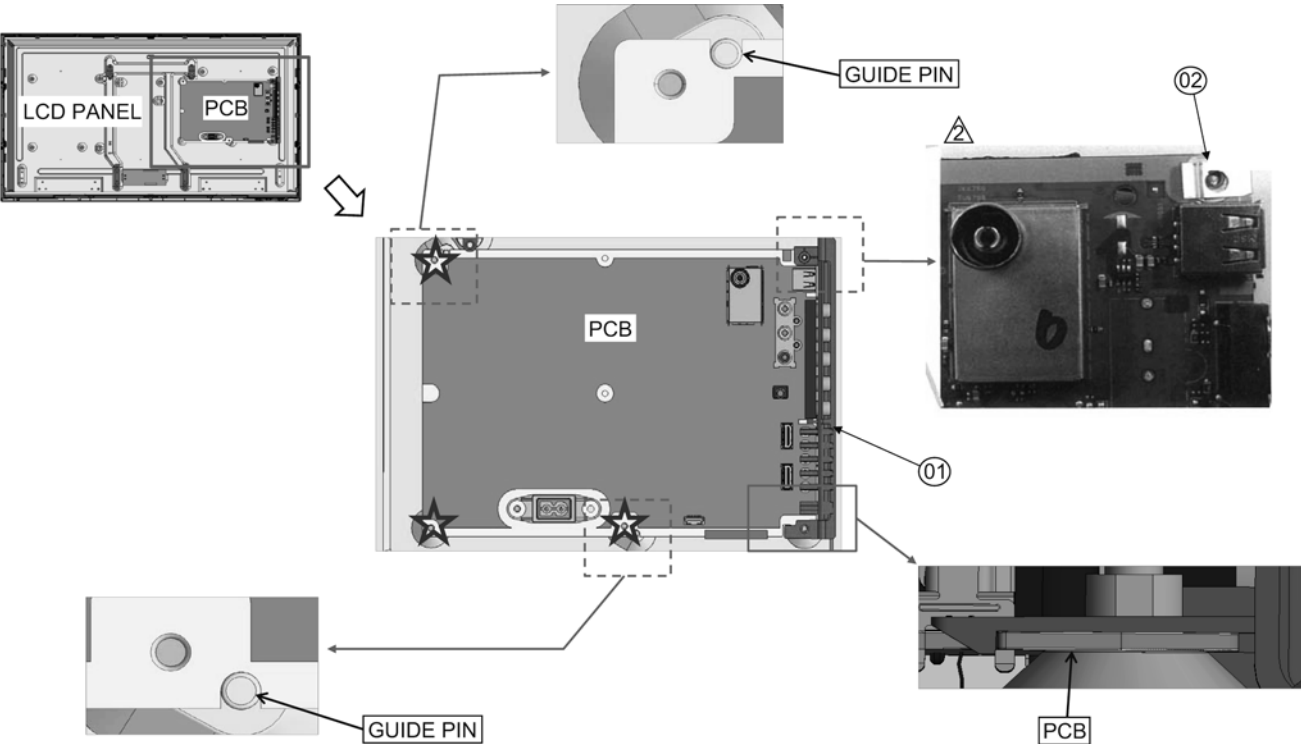
1. Install Vesa Metal 2pc on panel.
2. Install Pedestal Metal Bracket.



No	Description	Qty	UOM
01	VESA METAL	2	PC
02	PEDESTAL METAL BRACKET	2	PC

7.6. PCB Installation 1

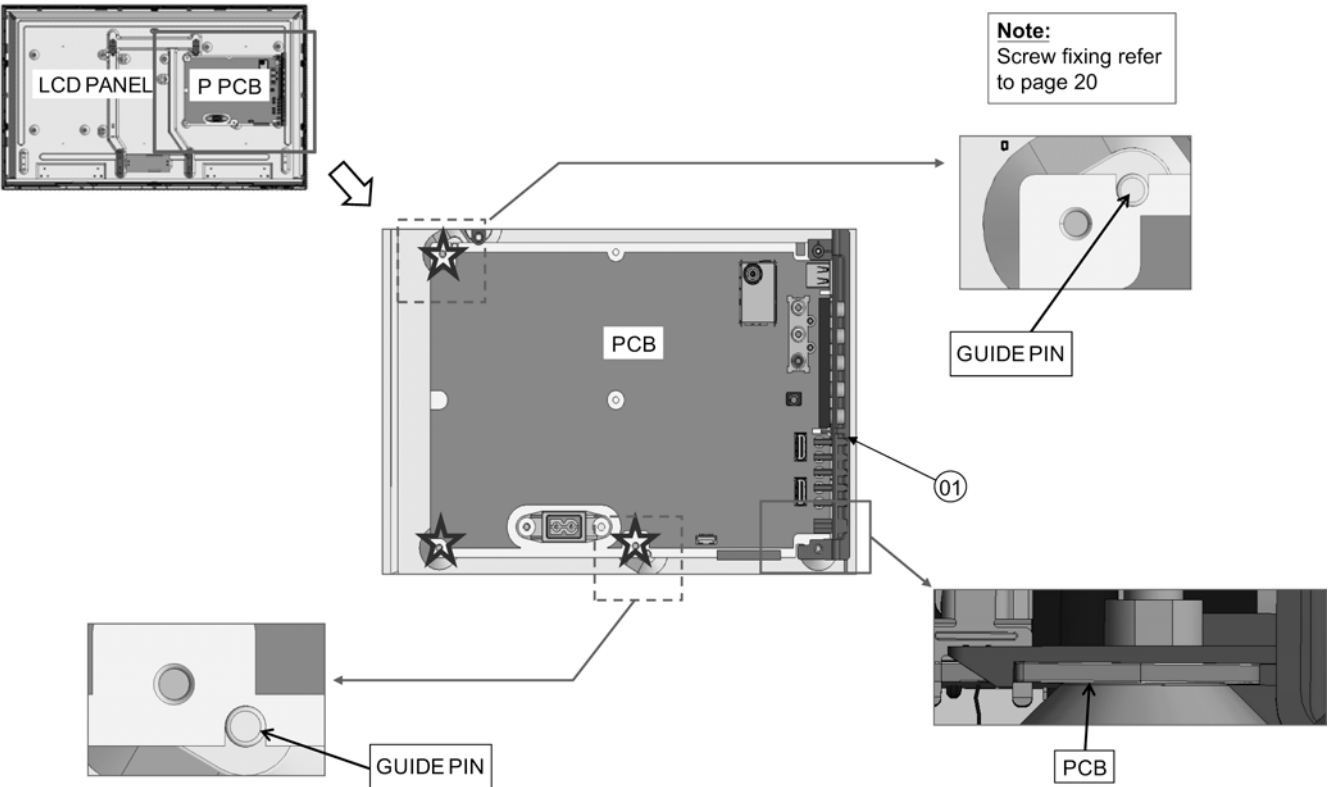
- 1. Install PCB and fix it with screws.
- 2. Install Side AV Bracket and fix it with screws.



No	PartNo	Description	Qty	UOM
01	TKP5ZA47101	SIDE AV BRACKET	1	PC
02	TES5ZA003-1	GROUND SPRING	1	PC

7.7. PCB Installation 2

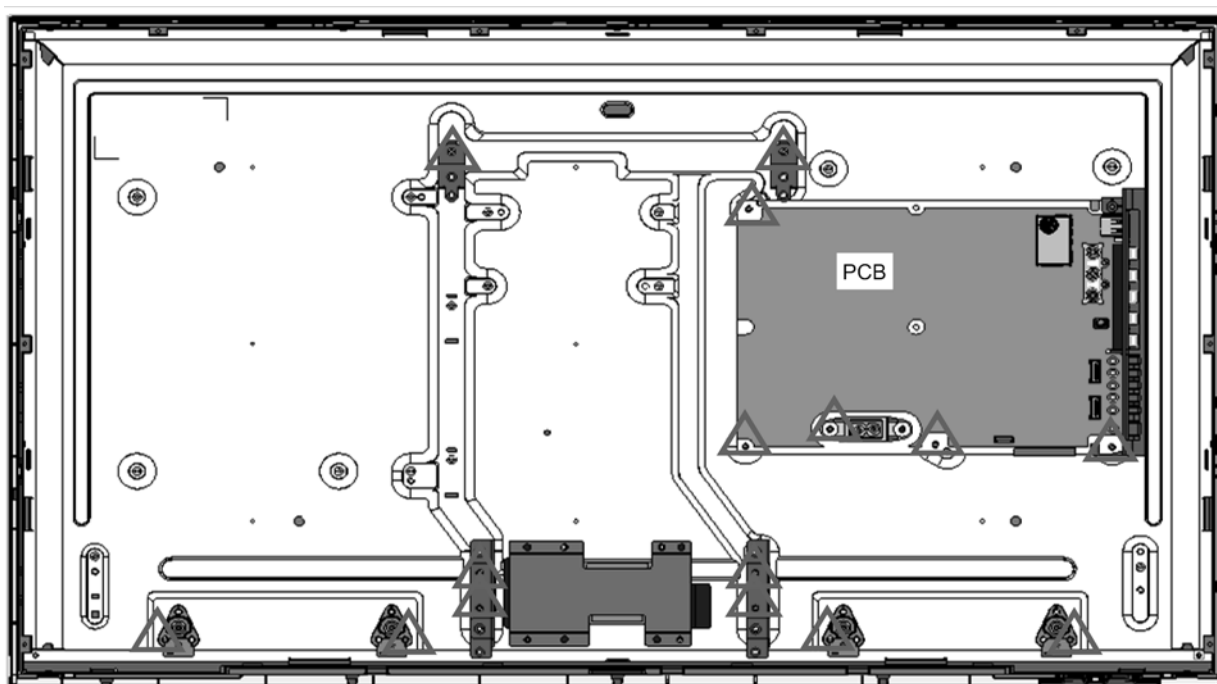
- 1. Install PCB and fix it with screws.
- 2. Install Side AV Bracket and fix it with screws.



No	Description	Qty	UOM
01	SIDE AV BRACKET	1	PC

7.8. Screw Fixing 1

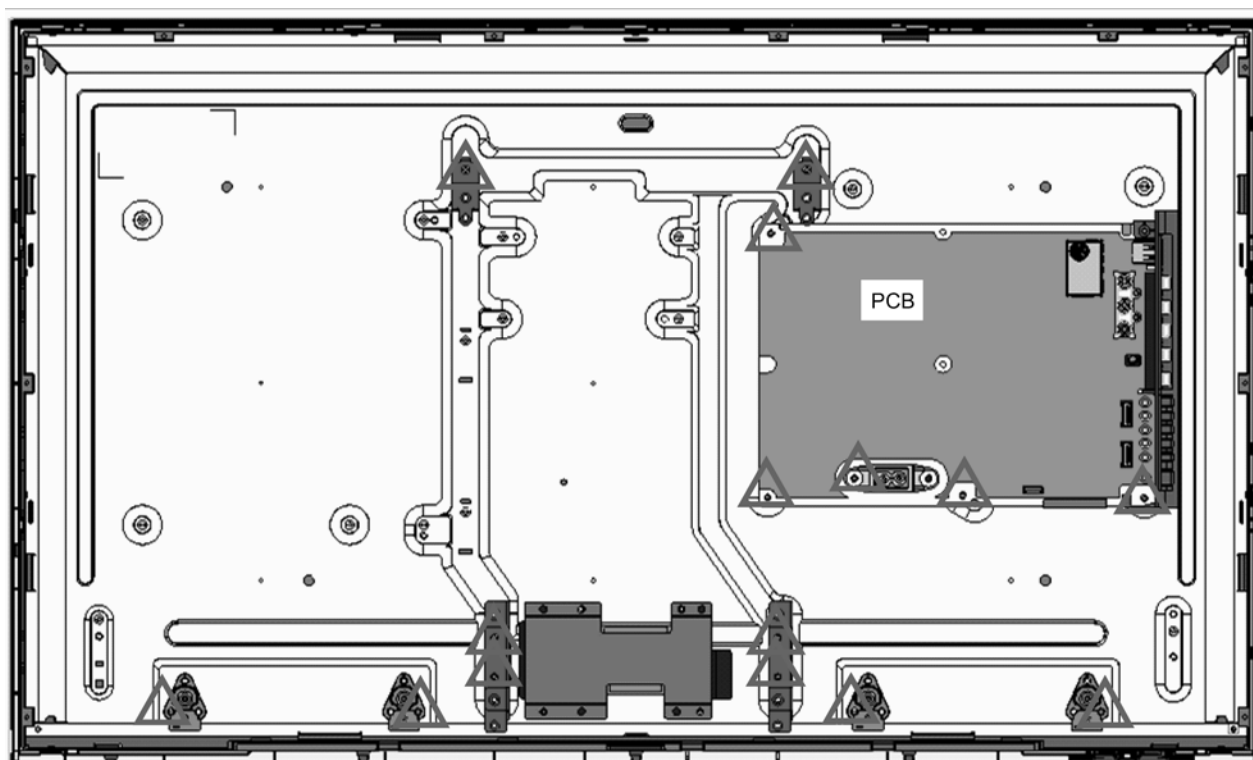
Fix all screw follow below picture.



No	Part No	Description	Qty	UOM	Remarks
01	THEJ036J	SCREW	15	PC	6 ± 1 Kgf.cm

7.9. Screw Fixing 2

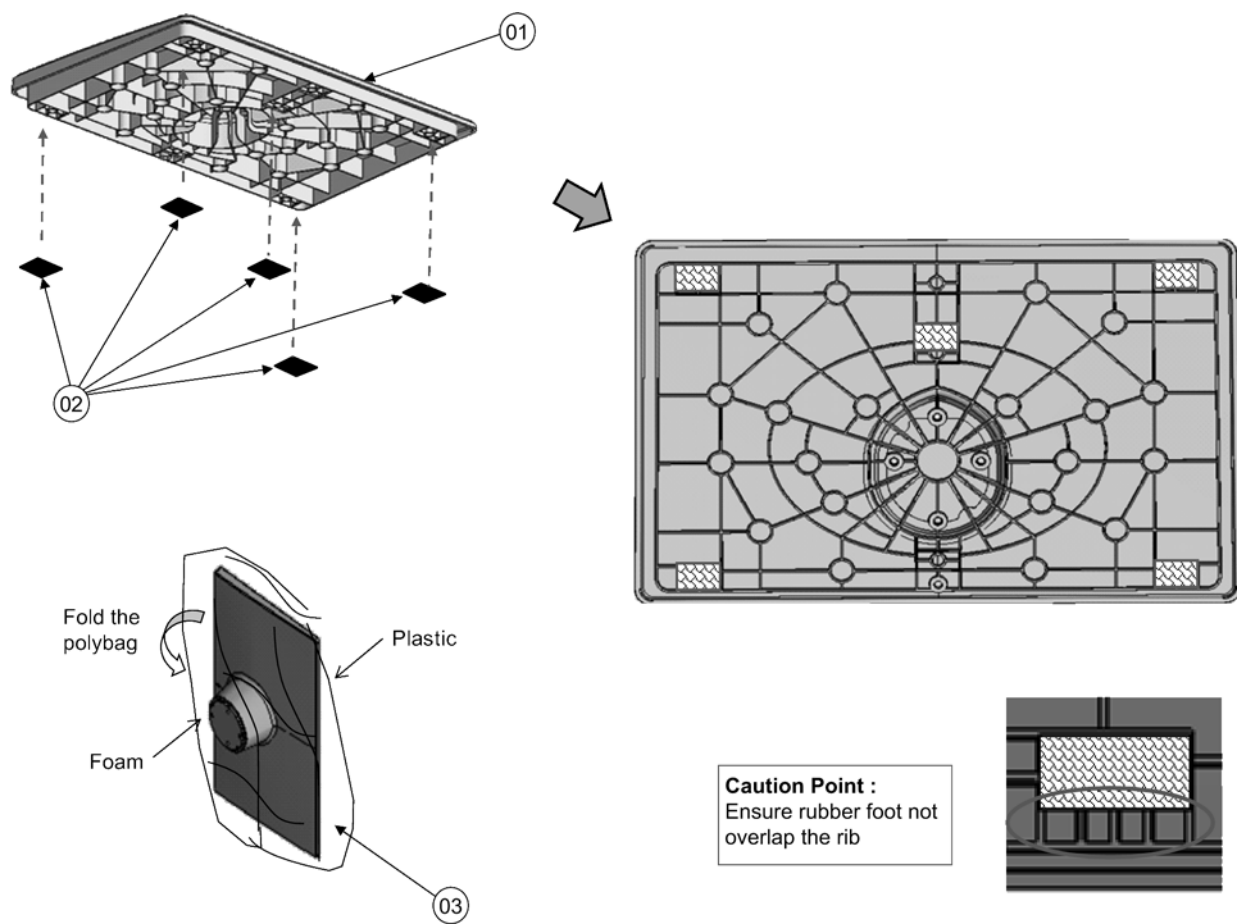
Fix all screw follow below picture.



No	Description	Qty	UOM	Remarks
01	SCREW	15	PC	6 ± 1 Kgf.cm

7.10. Pedestal Ass'y

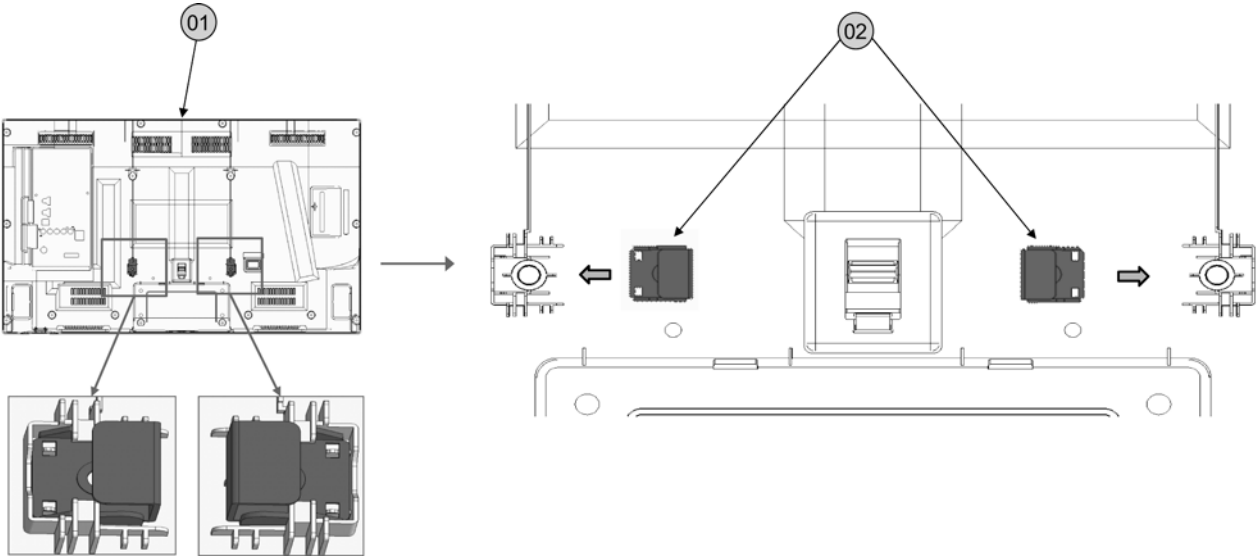
Fix rubber foot 5 pc at Pedestal cover.



No	Description	Qty	UOM
01	BASE COVER	1	PC
02	RUBBER FOOT	5	PC
03	BAG FOR PEDESTAL	1	PC

7.11. Vesa Metal (BC)

Install vesa metal 2 pc into back cover.



No	Part No	Description	Qty	UOM
01	TKU5ZC06619	BACK COVER	1	PC
02	TKZ4GX5034	VESA METAL	2	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	Measurement Point	Specification
PANEL12V	TP4097	11.3V - 13V
SUB3.3V	TP5400	3.16V - 3.48V
SUB5V	TP5420	4.98V - 5.25V
SUB1.5V	TP8101	1.45V - 1.57V
SUB1.1V	TP8100	1.14V - 1.26V
STB5V	TP5200	4.9V - 5.4V
STB3.3V	TP5002	3.14V - 3.46V
HDMI3.3V	TP8000	3.14V - 3.46V

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	Standby
5.3V	TP7507	$5.3 \pm 0.3V$	$5.3 \pm 0.3V$
16V	TP7512/TP7513	$15.8 \pm 0.6 V$	-

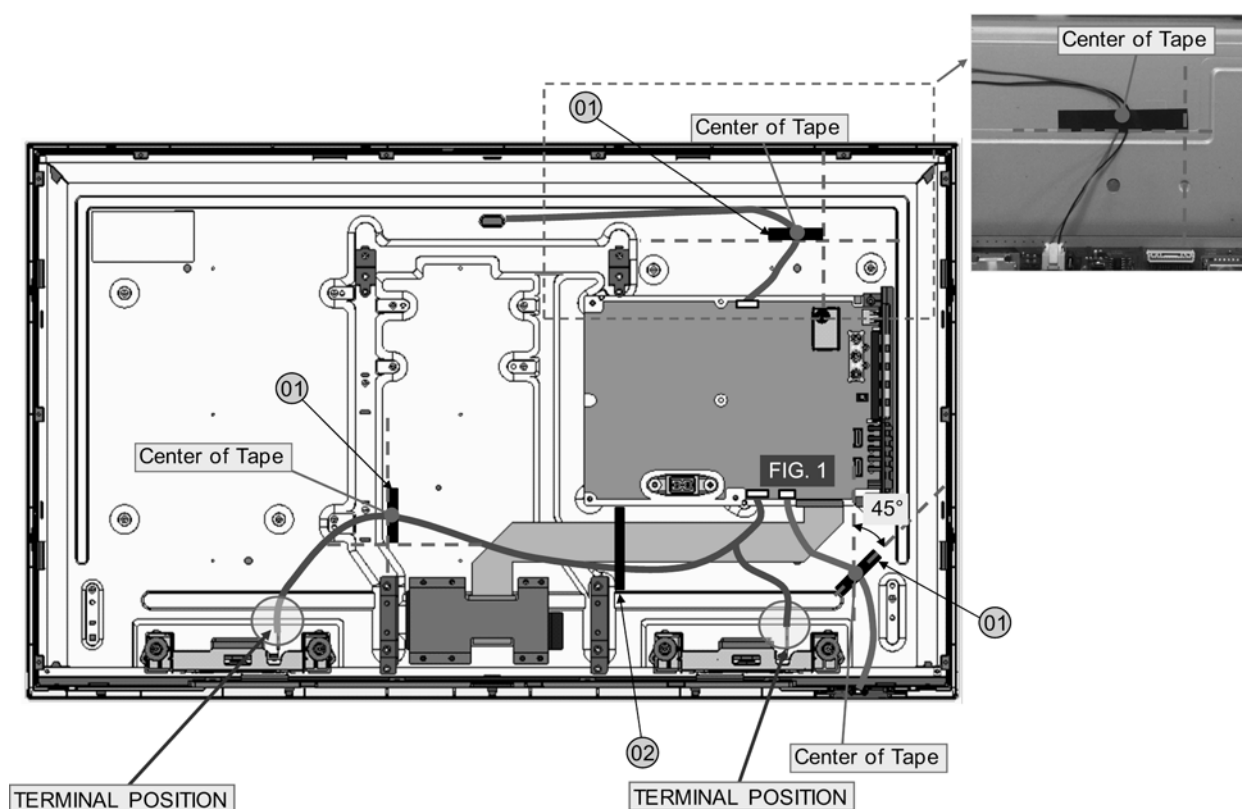
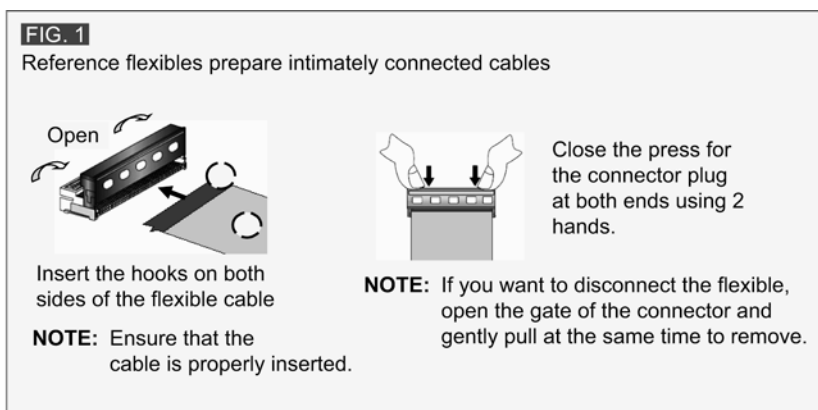
NOTE : GND REFERENCE TP7510/TP7511



10 Wiring Connection Diagram

10.1. Wire Dressing

Do wire dressing follow below spec:

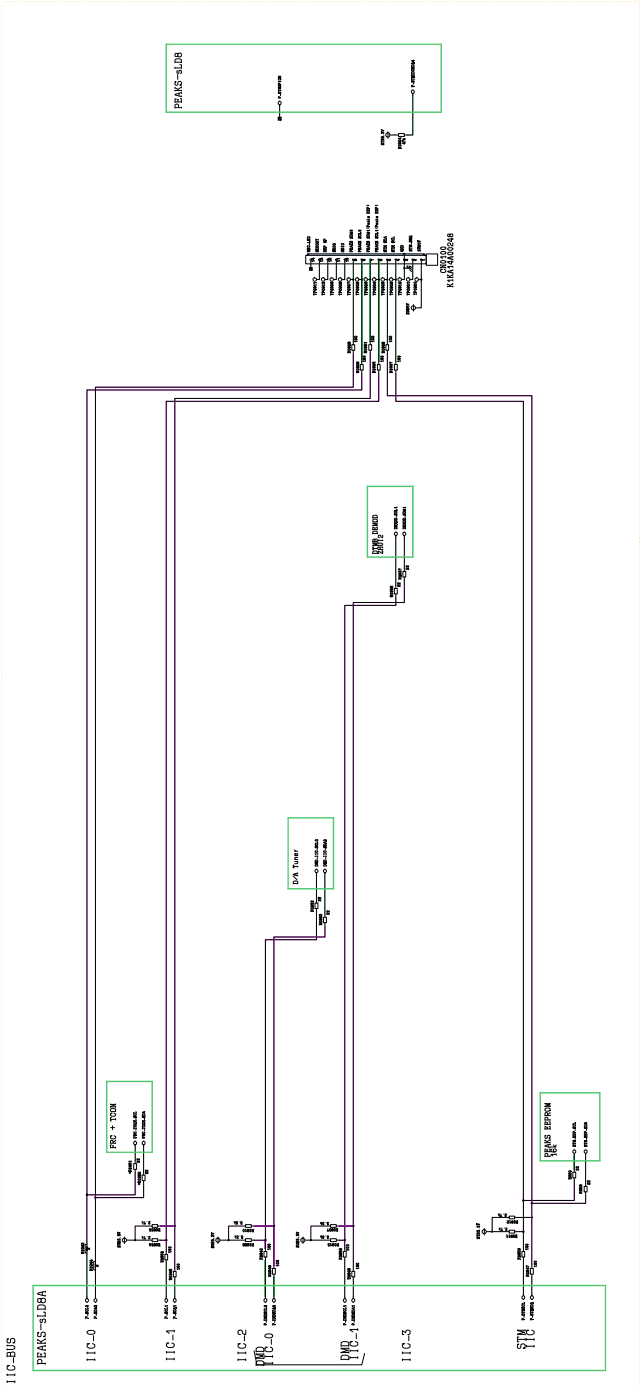


No	Description	Qty	UOM	Remarks
01	PET TAPE (0.06*3)	0.18	MT	0.06 × 3
02	PET TAPE (0.1*1)	0.1	MT	
02	LVDS CABLE	1	PC	

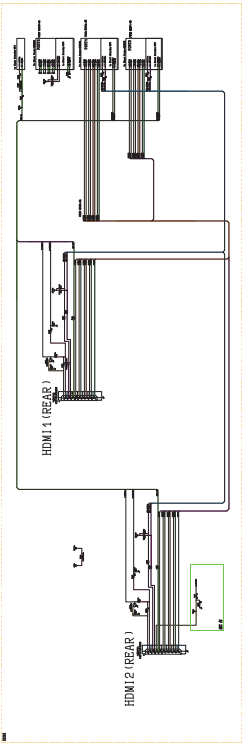
11 Schematic Diagram

Model No. : TH-32A410R A-Board (1/18)

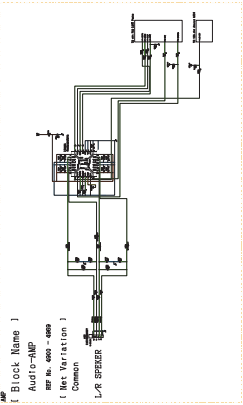
SHEET 002
I I C Net
REF No. 0900 - 0999
[Net Variation]



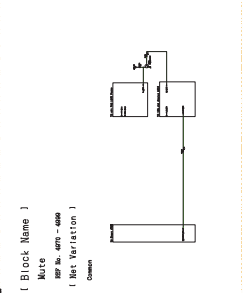
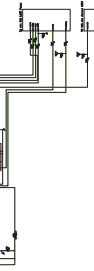
SHEET 003
HDMI/AudioAMP
REV No. 000 - 000
(Net Variation)
Each PCB



(Block Name)
HDMI11
(Net Variation)
Common



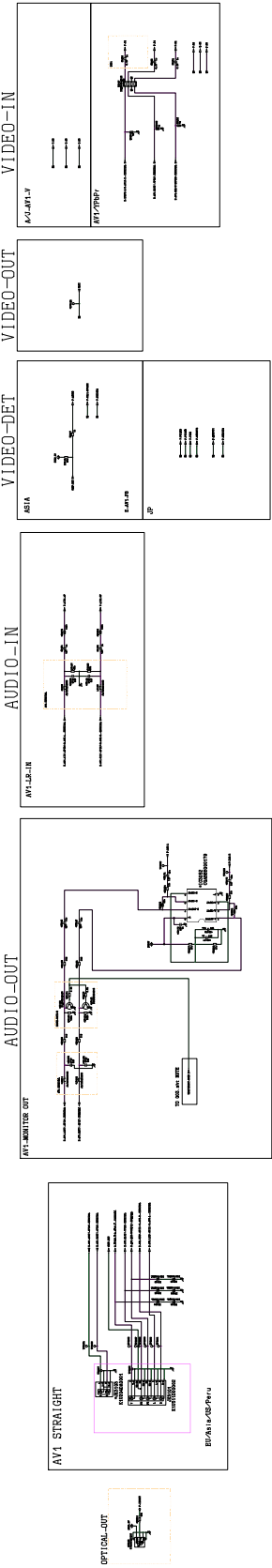
(Block Name)
Audio-AMP
(Net Variation)
Common



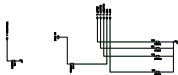
(Block Name)
Video
(Net Variation)
Common



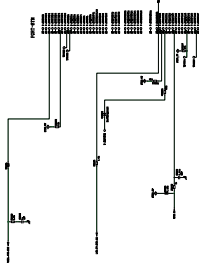
SHEET 004
AVSW
REF No. 3050 - 3249



SHEET 005
PEAKS_OTHER
REF No. 8800 - 8849
[Net Variation]
Common

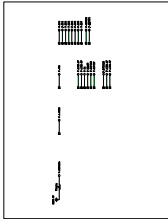
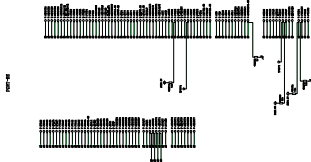


[Block Name]
STM Port
REF No. 8850 - 8870
[Net Variation]
Common

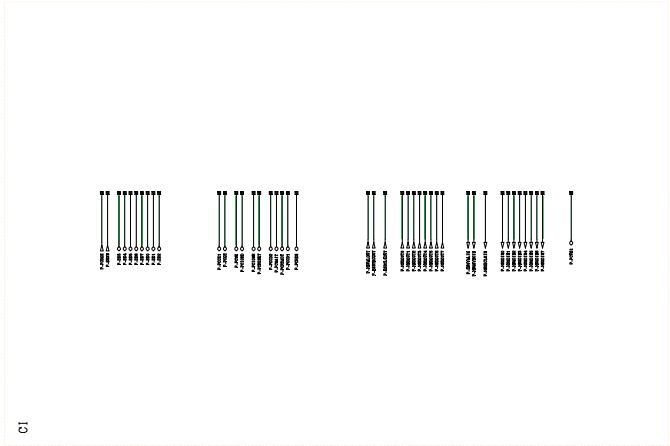


REF: 8850, 8851 V
T
Common

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



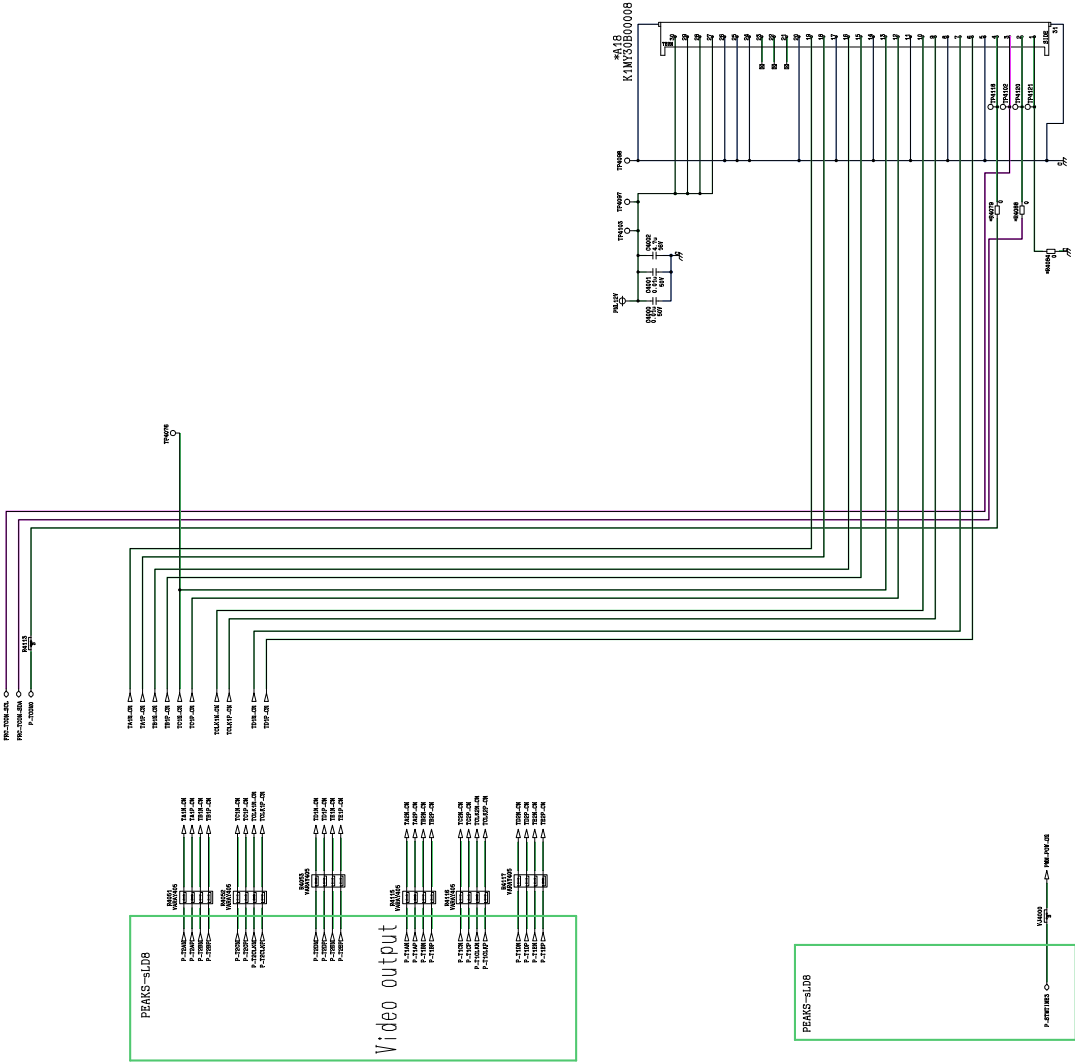
SHEET 006
CI
REF No. 8400 – 8449
[Net Variation]
Common



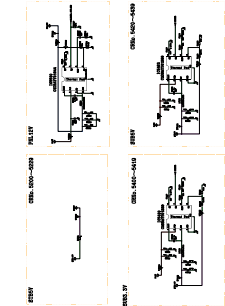
[Block Name]
B-CAS
REF No. 2700 – 2749
[Net Variation]



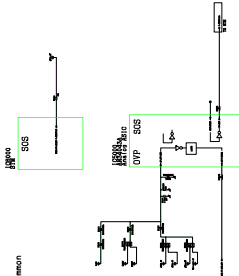
SHEET 009
LVDS-IF/T-CON
REF No. 4000 - 4499
[Net Variation]
LVDS



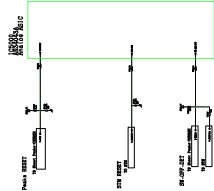
SHEET 100
POWER-Model
REF No. 5500 - 5540
LCD



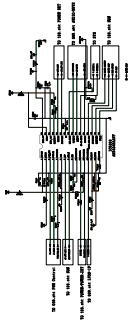
[Block Name]
SDS
REF No. 5170 - 5199
[Net Variation]
Common



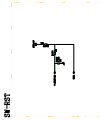
[Block Name]
POWER-DIT
REF No. 5140 - 5169
[Net Variation]
Common



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



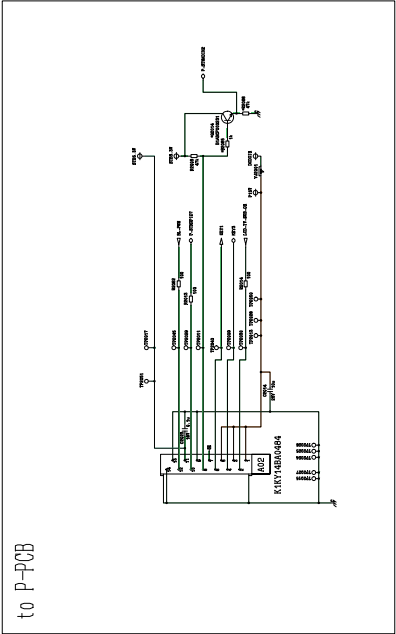
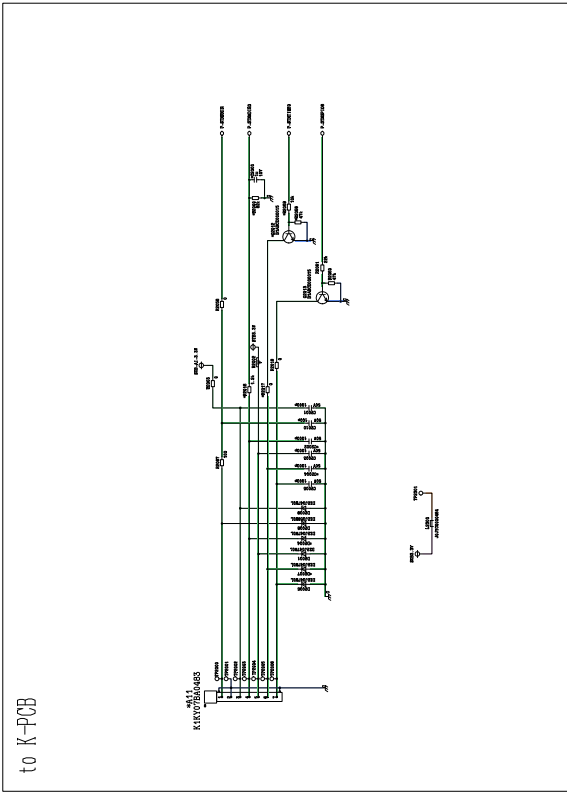
[Block Name]
POWER KEY RESET
REF No. 1951 - 1989
[Net Variation]
Common
NotUse



SHEET 101
SET

REF No. 2000 - 2299

[Net Variation]



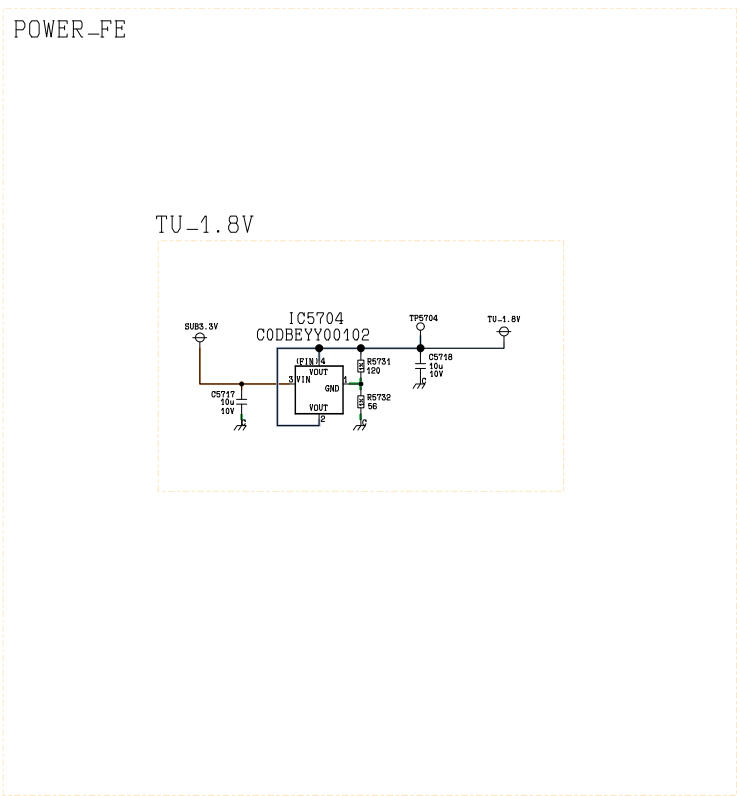
SHEET 102

POWER FOR TU+FE

REF No. 5700 – 5899

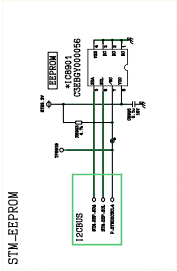
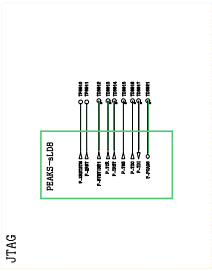
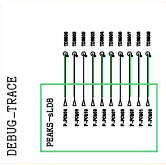
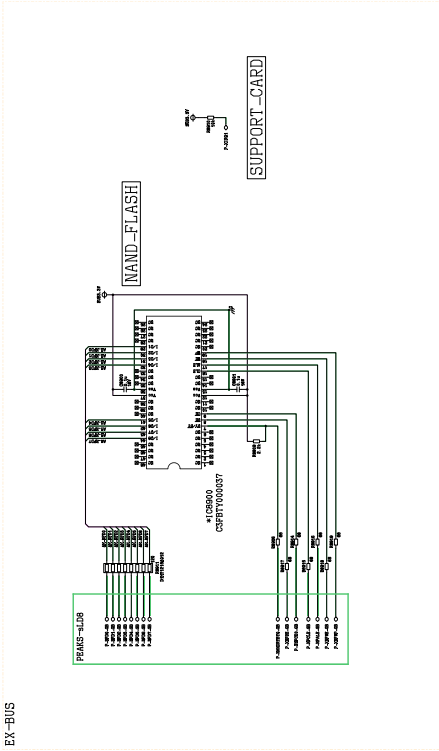
[Net Variation]

sLD8



SHEET 300
COMMON_NAND/SPC/EEPROM/JTAG

REF No.
[Net Variation]
Common

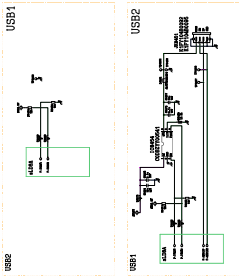
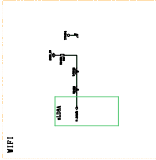


[Block Name]
LAN
REF No. 8600 - 8659
[Net Variation]
Common



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

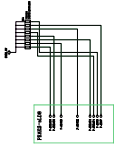
USB-HUB



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

SHEET 301
COMMON-EtherPHY/USB/SD

SD-2040

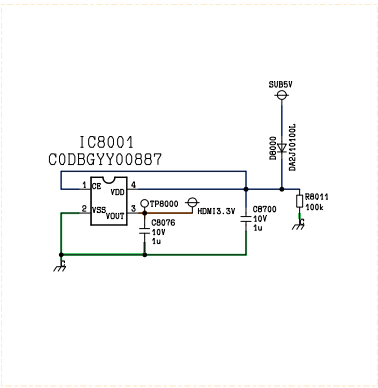


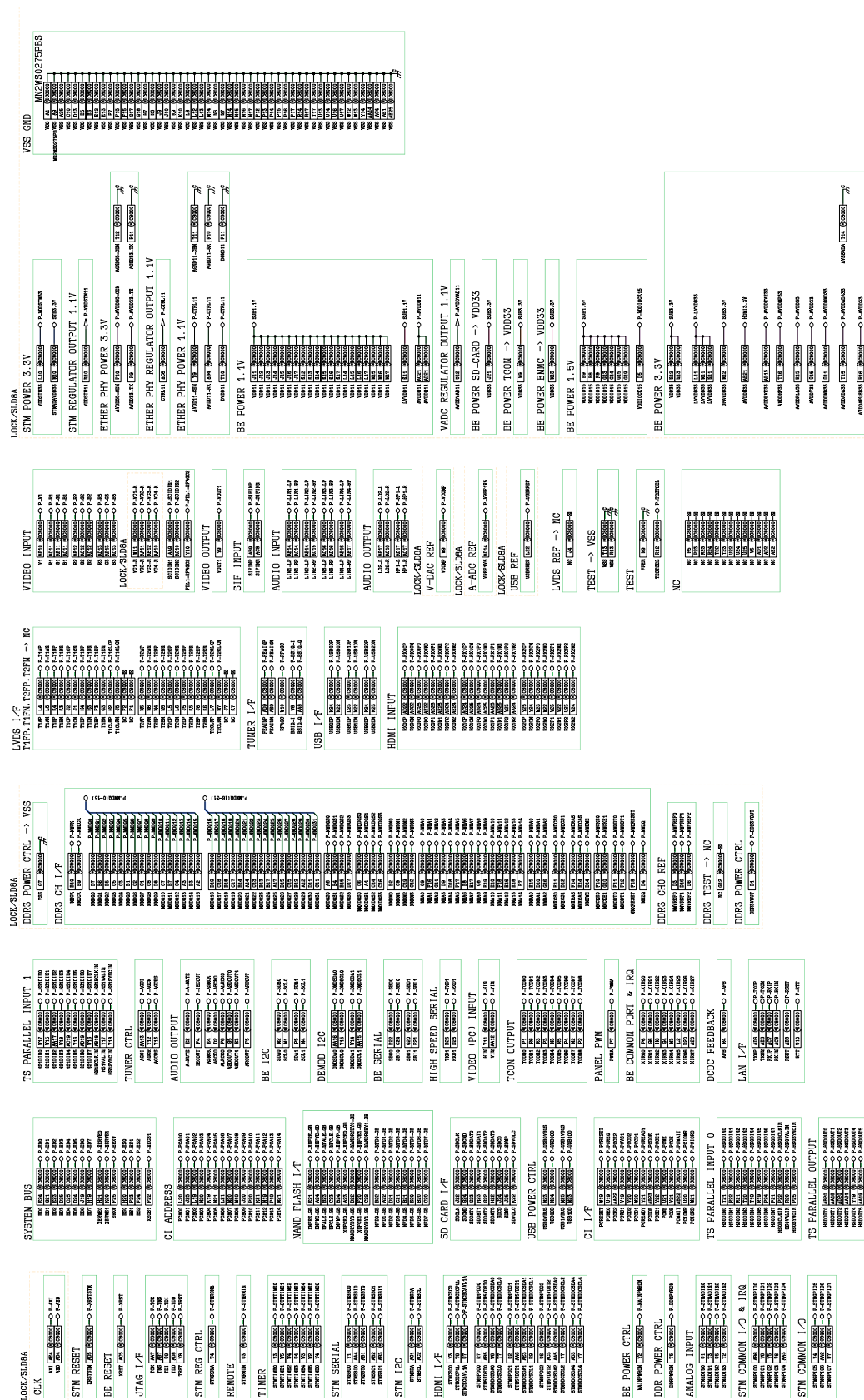
SHEET 302

POWER-Peak s

REF No. 8000 - 8999

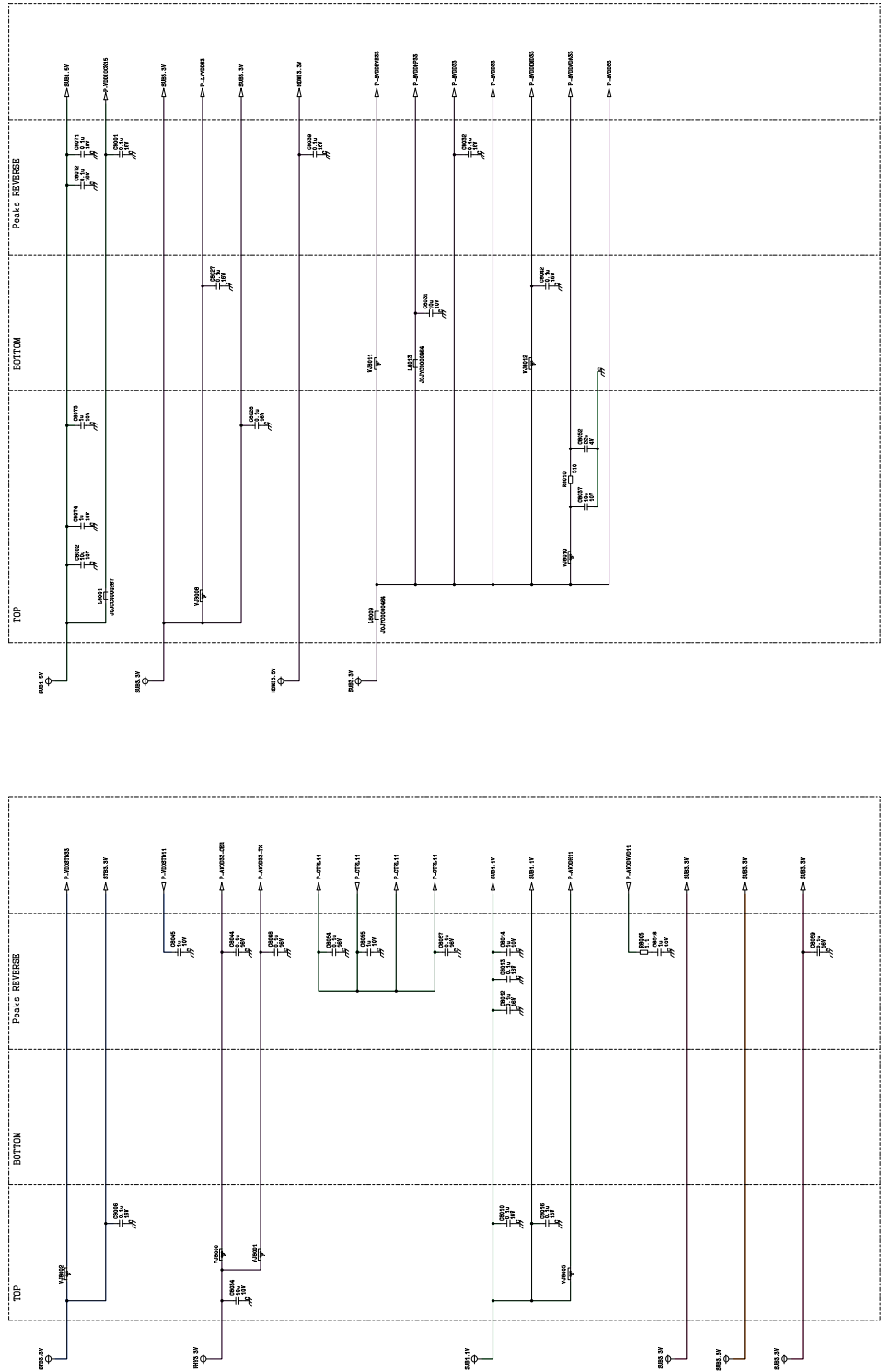
AVDDH3.3V



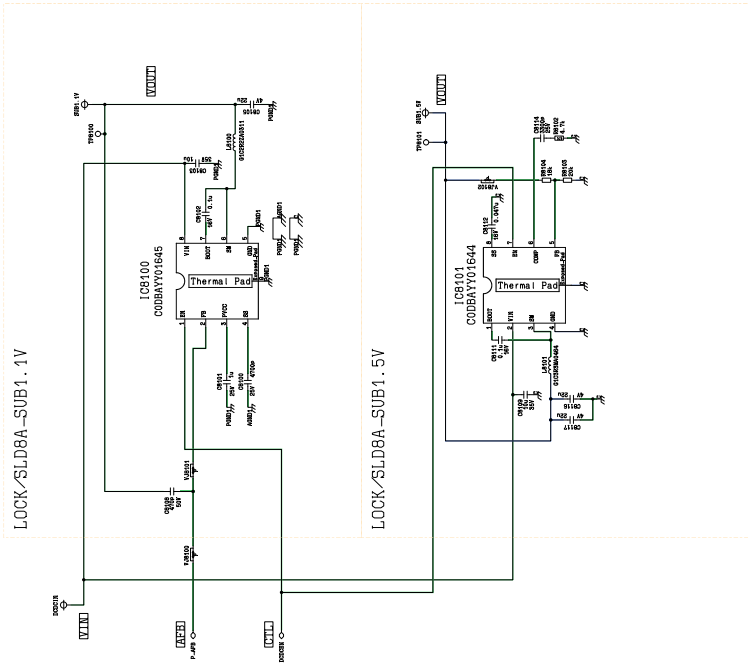


SHEET 700
LOCK-PEAKS
CRNo:8000

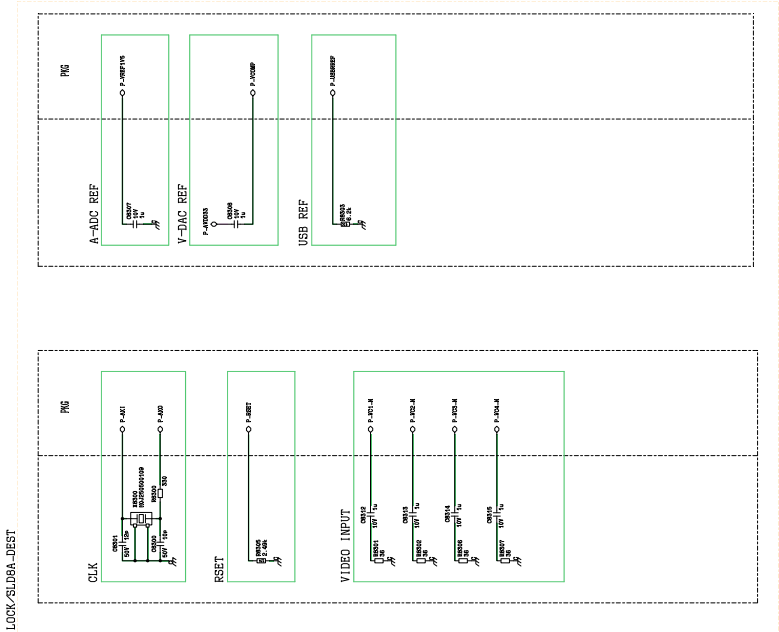
LOCK/SLD8A-POWER



SHEET 701
LOCK-PEAKS-POWER
CRNo:8001 - 8099

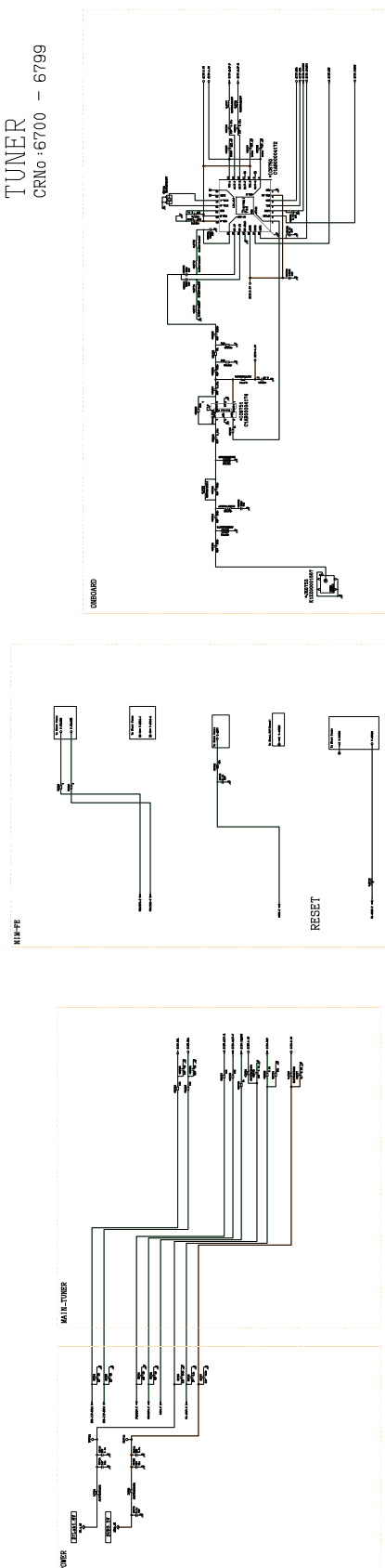


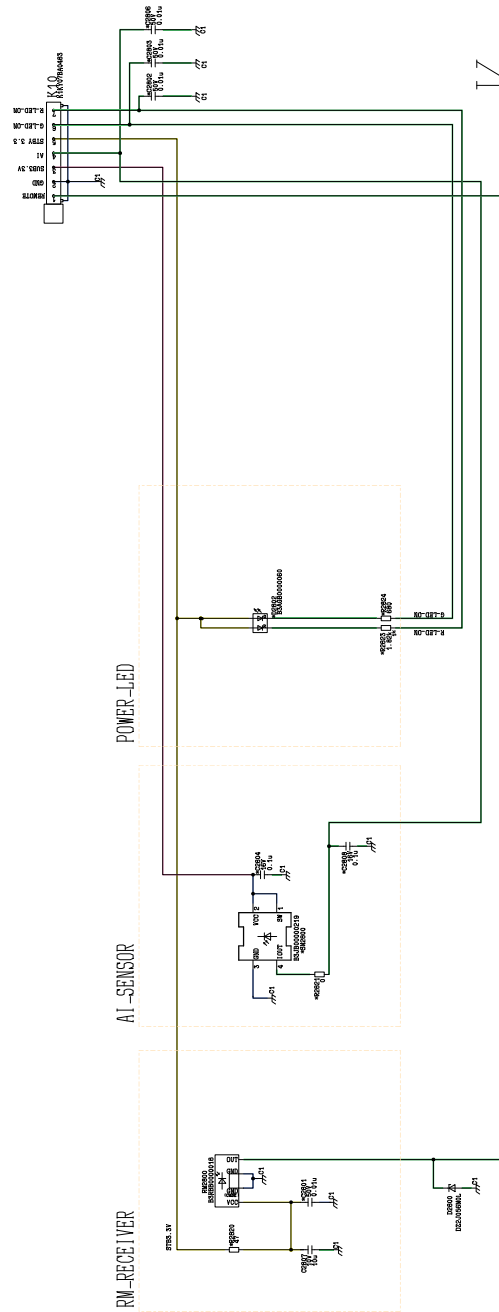
SHEET 702
LOCK-PEAKS-DCDC
CRNo : 8100 - 8199



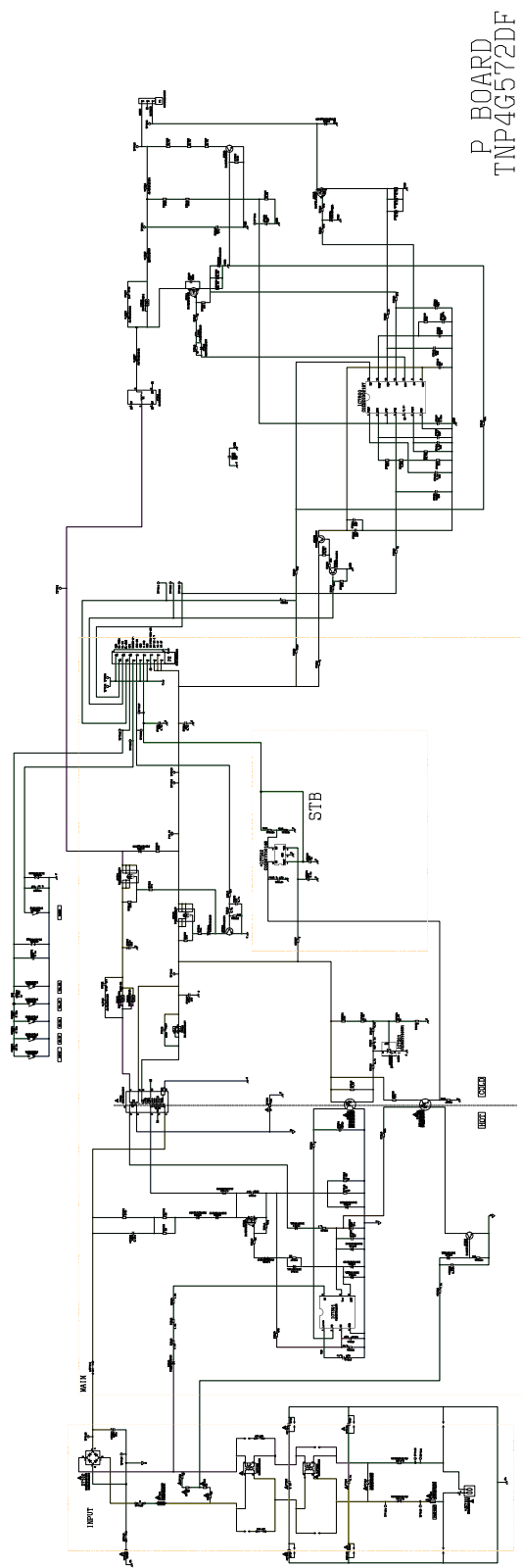
SHEET 704
LOCK-PEAKS-DEST
CRNo:8300 - 8399

SHEET 706
TUNER
CRNo : 6700 - 6799



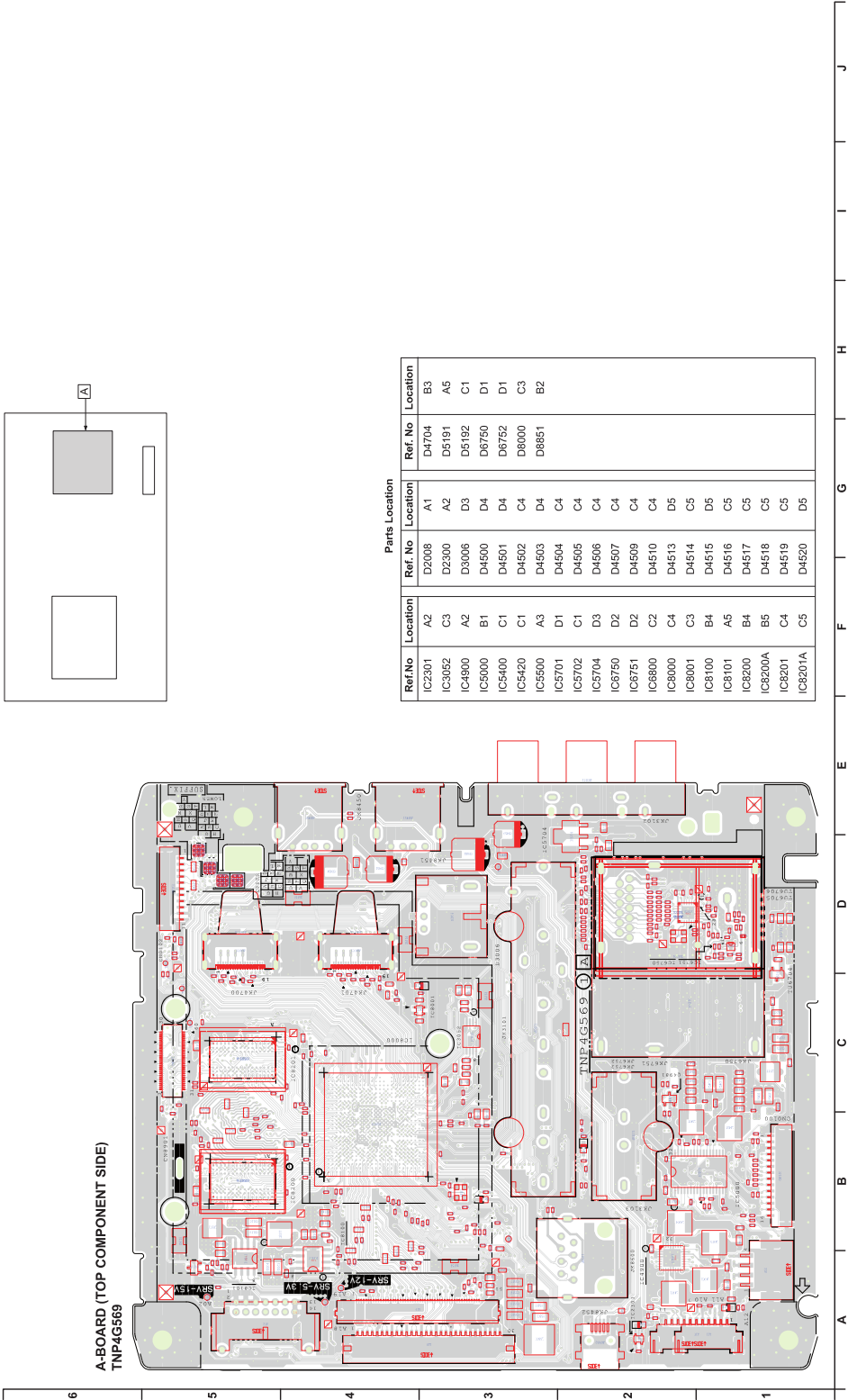


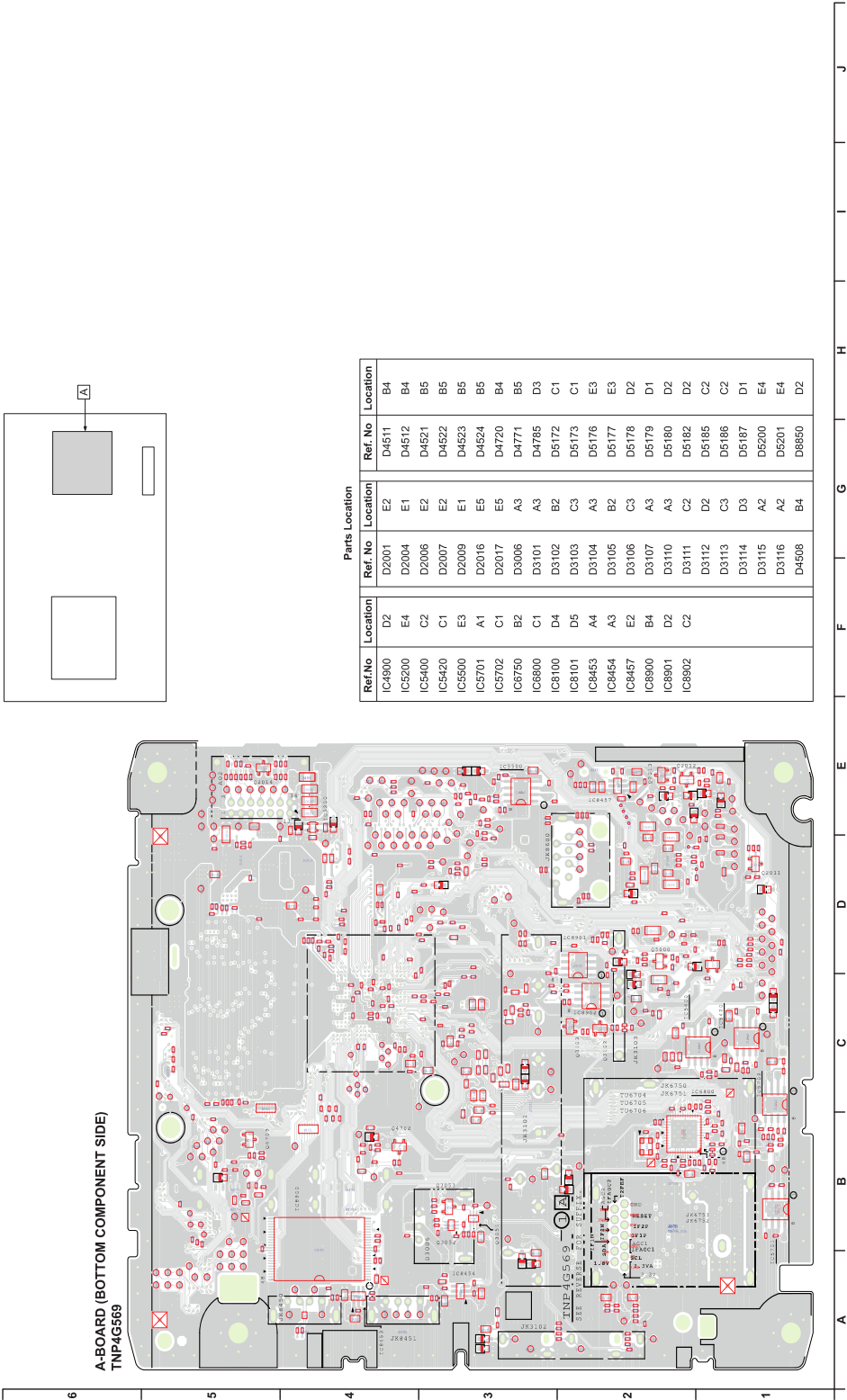
K BOARD
TNPA5915AA

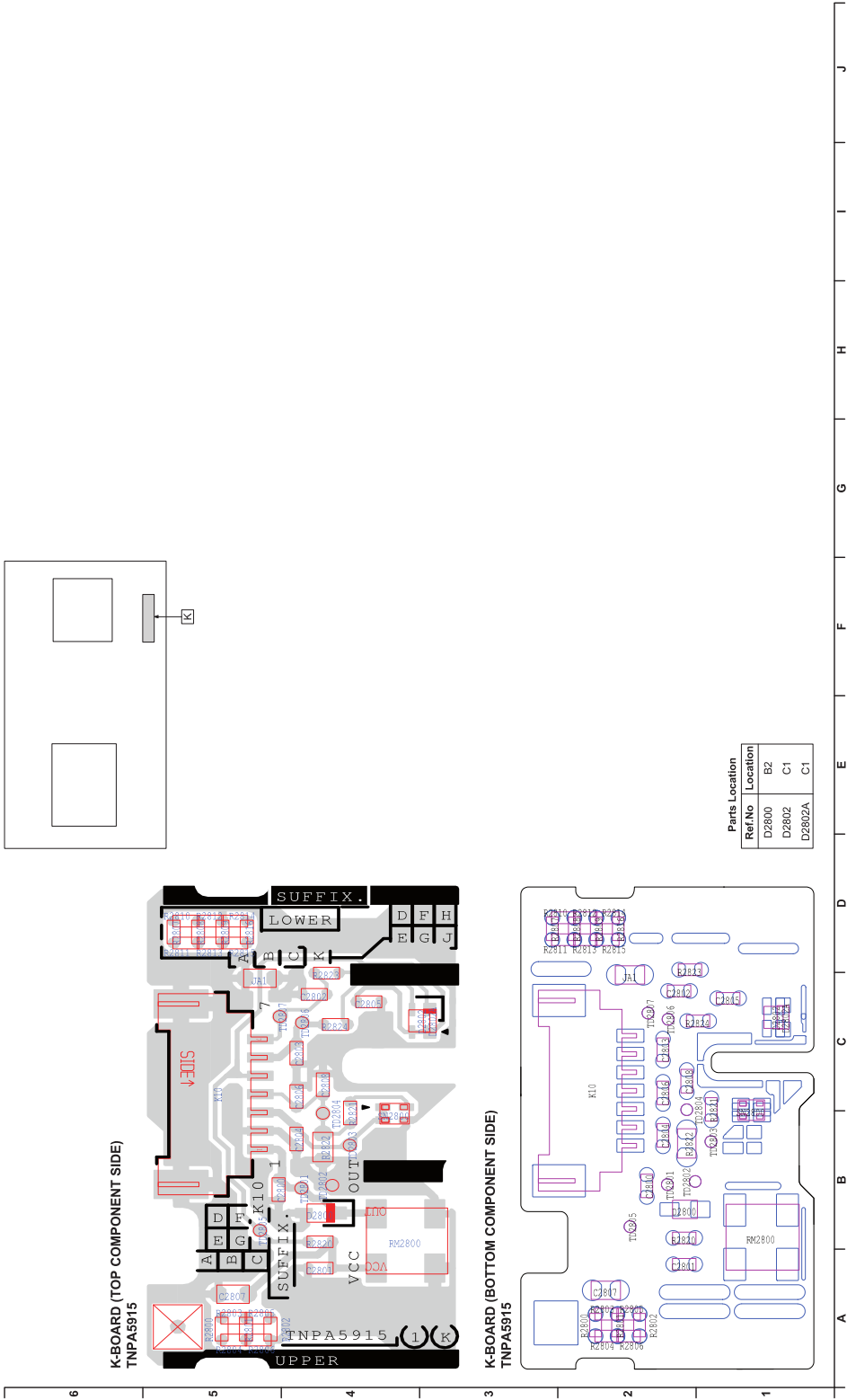


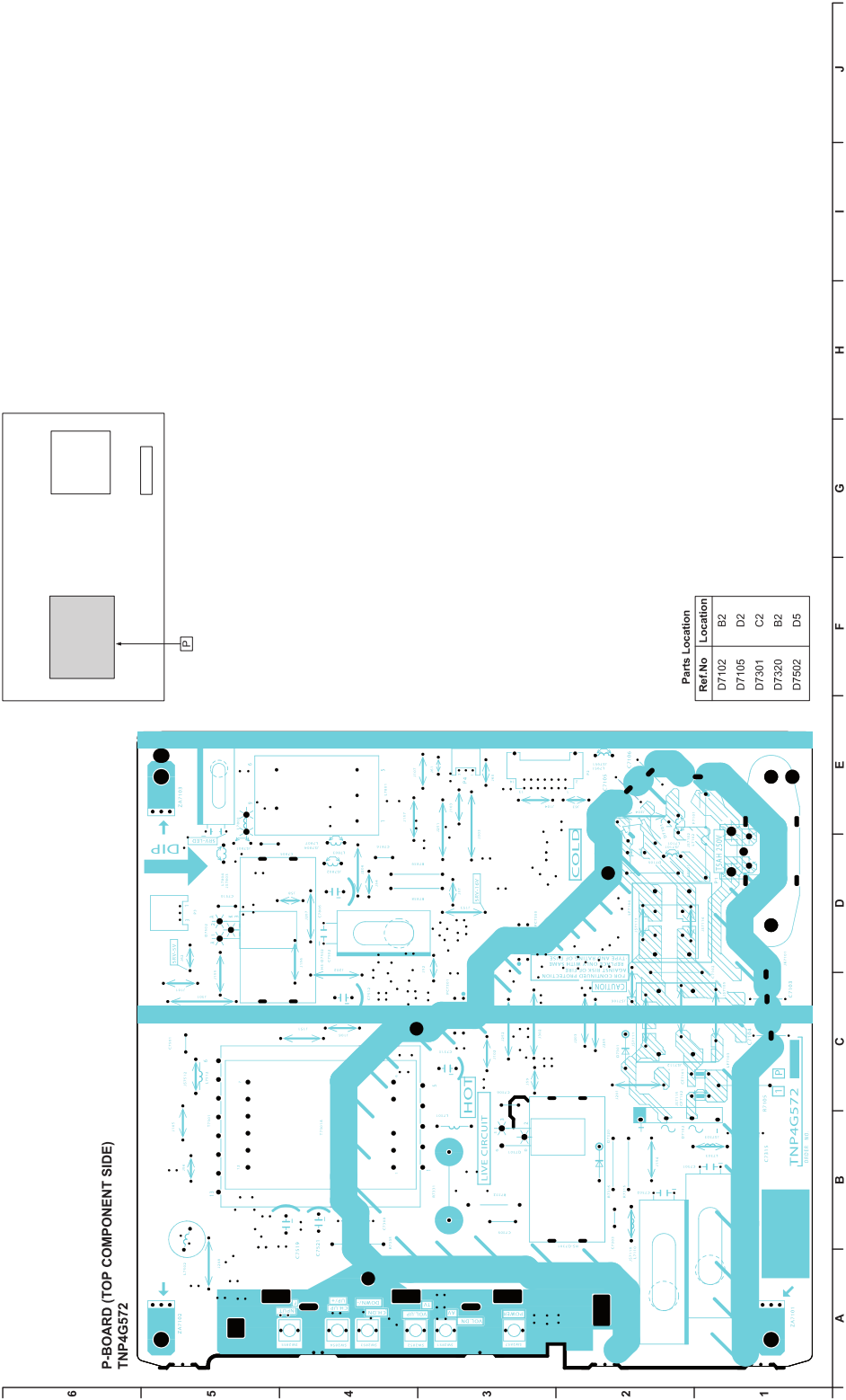
12 Printed Circuit Board

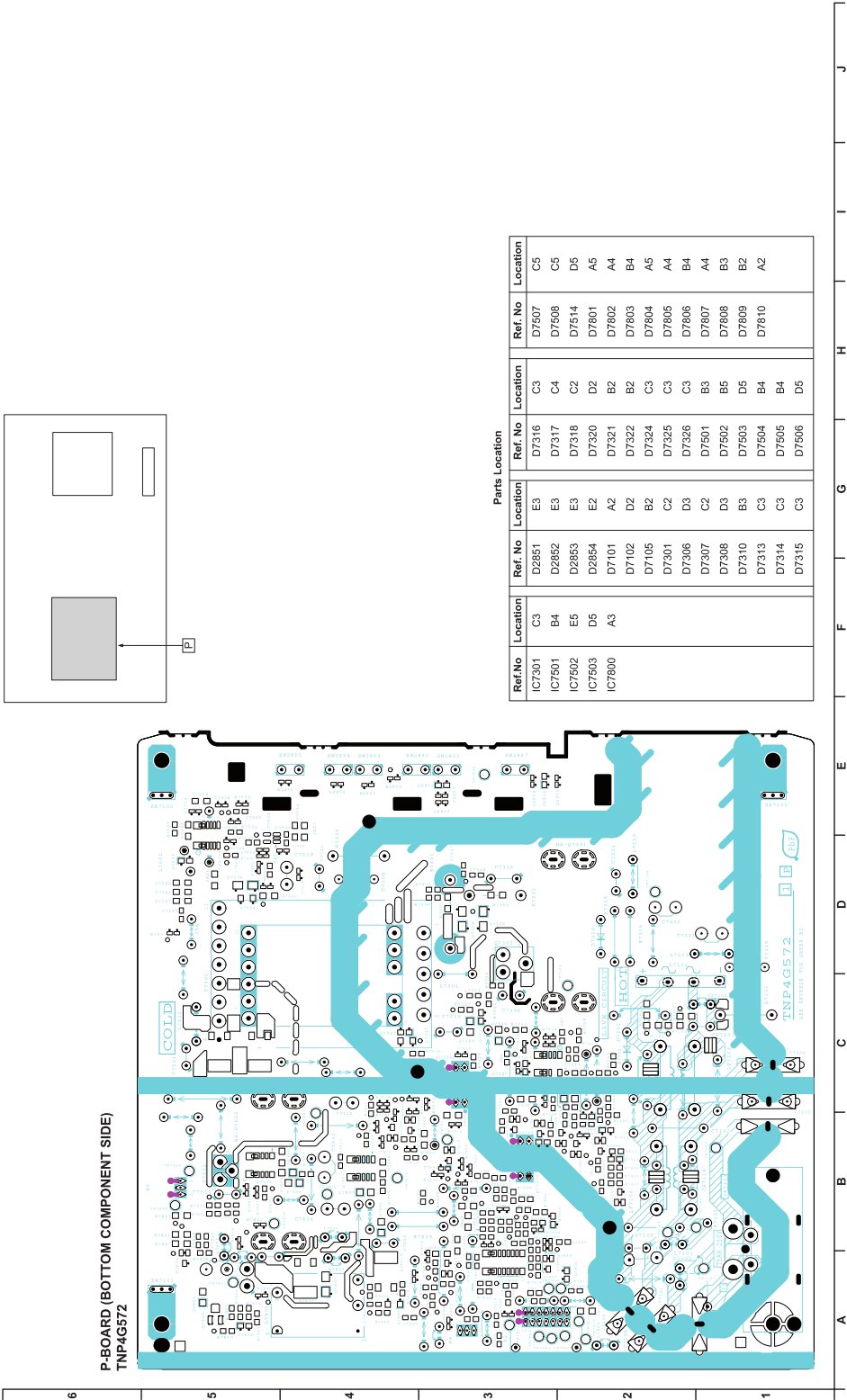
Model No. : TH-32A410R A-Board (Top Component Side)





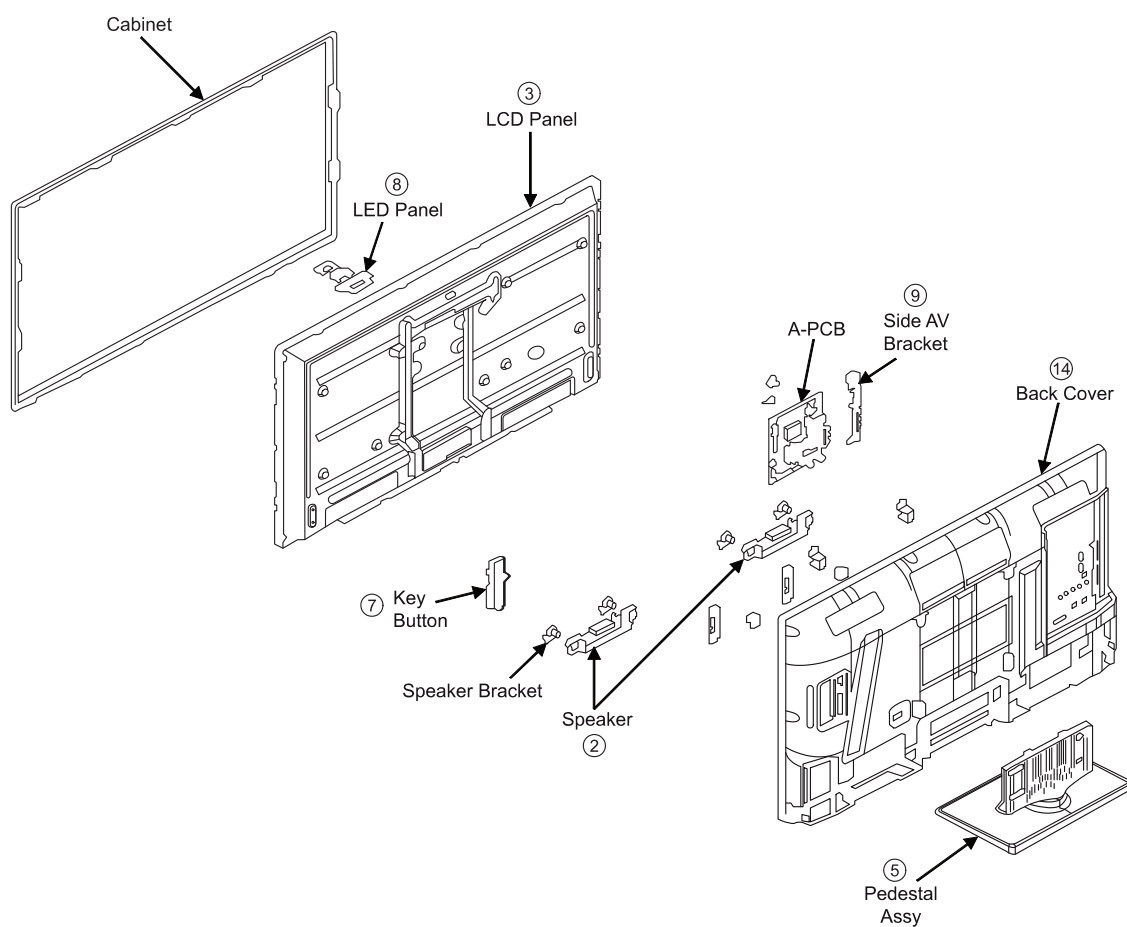






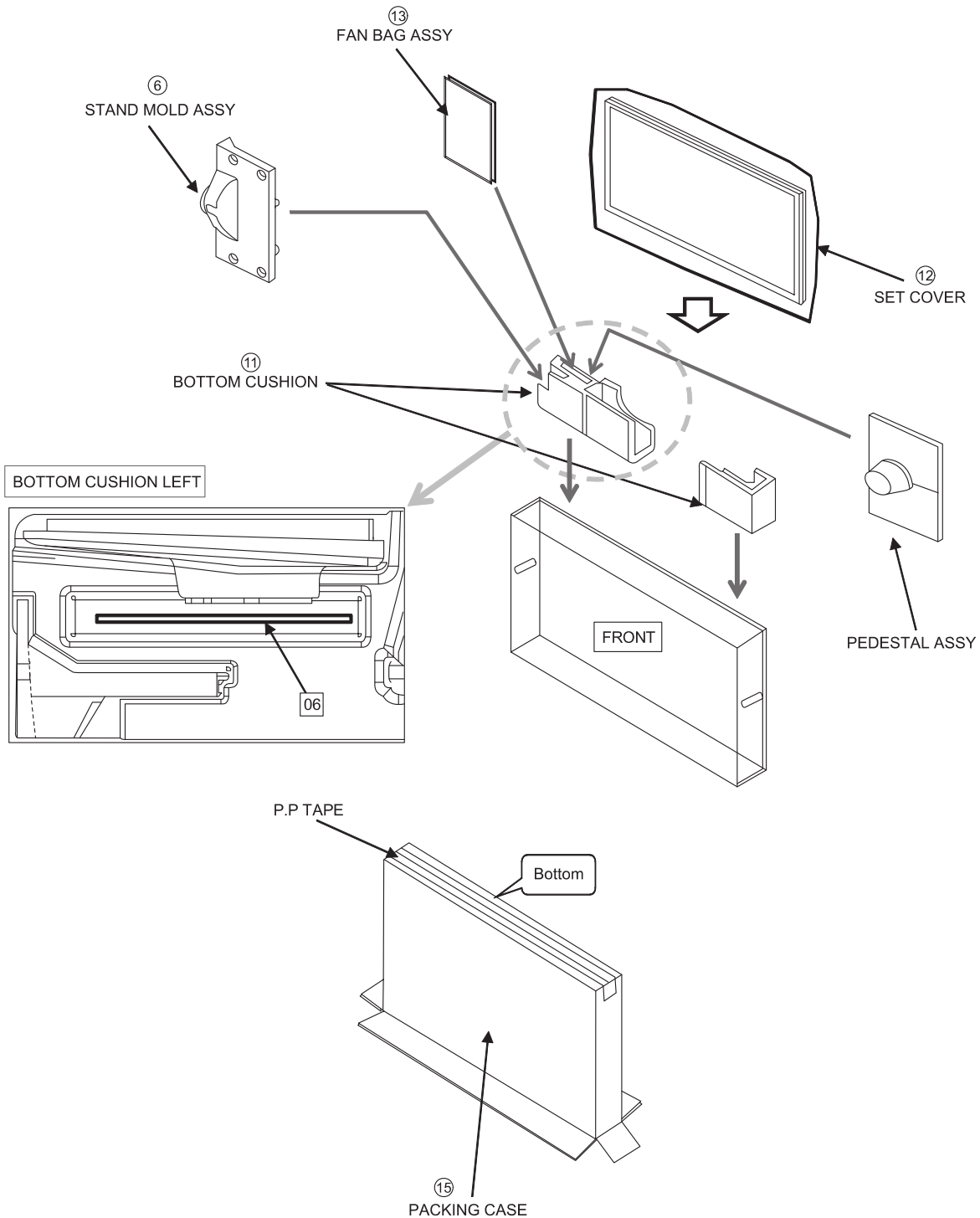
13 Exploded View and Replacement Parts List

Model No. : TH-32A410R Parts Location



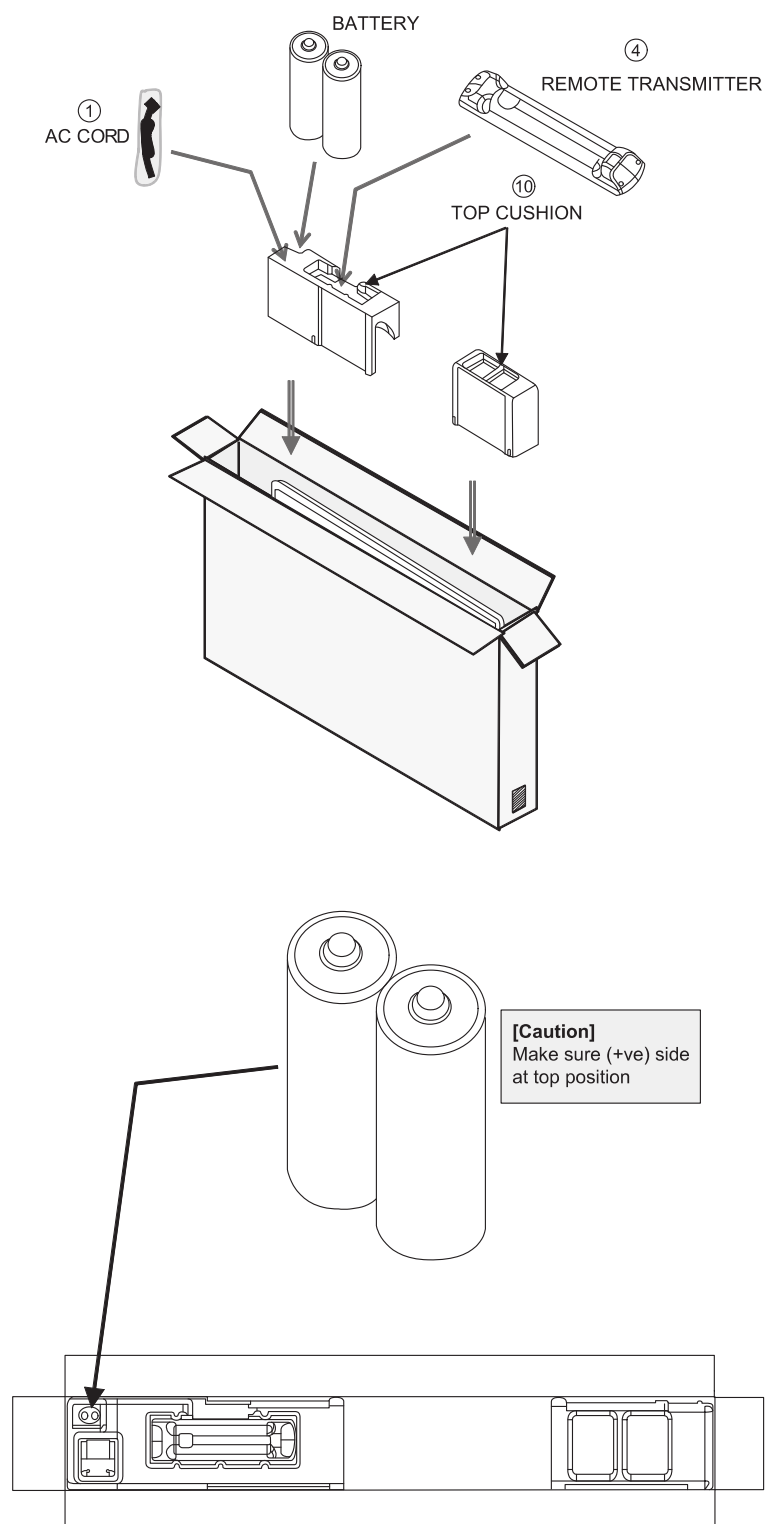
Model No. : TH-32A410R Packing Exploded View 1

- 1) Fold packing case at bottom side and tapping with tape.
- 2) Insert bottom cushion at packing case.
- 3) Cover set with set cover and inside to packing case.
- 4) Insert Fan bag assy, Base cover and Stand mould at bottom cushion.



Model No. : TH-32A410R Packing Exploded View 2

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



Model No. : TH-32A410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
CAPACITORS						
		C1958	F1G1E103A172	C 0.01UF, 25V		
		C2000	F1G1A105A080	C 1UF, 10V		
		C2001	F1G1H102A946	C 1000PF, 50V		
		C2002	F1G1H102A946	C 1000PF, 50V		
		C2003	F1G1H102A946	C 1000PF, 50V		
		C2004	F1G1H102A946	C 1000PF, 50V		
		C2005	F1G1H102A946	C 1000PF, 50V		
		C2010	F1G1H101A948	C 100PF, 50V		
		C2014	F1K1E106A134	C 10UF, 25V		
		C2023	F1G1C104A146	C 0.1UF 16V		
		C2801	F1H1H103B047	C 0.01UF, 50V		
		C2802	F1H1H103B047	C 0.01UF, 50V		
		C2803	F1H1H103B047	C 0.01UF, 50V		
		C2804	F1H1C104A178	C 0.1UF, 16V		
		C2806	F1H1H103B047	C 0.01UF, 50V		
		C2807	F1J1A106A043	C 10UF, 10V		
		C2808	F1H1C104A178	C 0.1UF, 16V		
		C2851	F1H1H104B047	C 0.1UF, 50V		
		C2852	F1H1H104B047	C 0.1UF, 50V		
		C3084	F1H0J105A051	C 1UF, 6.3V		
		C3085	F1H0J105A051	C 1UF, 6.3V		
		C3086	F1H0J105A051	C 1UF, 6.3V		
		C3135	F1G1H471A830	C 470PF, 50V		
		C3136	F1G1H471A830	C 470PF, 50V		
		C3139	F1G1H471A830	C 470PF, 50V		
		C3140	F1G1H471A830	C 470PF, 50V		
		C3145	F1J1A106A043	C 10UF, 10V		
		C3147	F1J1A106A043	C 10UF, 10V		
		C3151	F1H1A105A136	C 1UF, 10V		
		C3152	F1H1A105A136	C 1UF, 10V		
		C3153	F1G1H471A830	C 470PF, 50V		
		C3154	F1G1H471A830	C 470PF, 50V		
		C3171	F1J1A106A043	C 10UF, 10V		
		C3172	F1J1A106A043	C 10UF, 10V		
		C3175	F1J1E105A287	C 1UF, 25V		
		C3176	F1J1A106A043	C 10UF, 10V		
		C3177	F1J1E105A287	C 1UF, 25V		
		C4000	F1H1H103B047	C 0.01UF, 50V		
		C4001	F1H1H103B047	C 0.01UF, 50V		
		C4002	F1J1C475A225	C 4.7UF, 10V		
		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	F1H1E104A161	C 0.1UF, 25V		
		C4922	F1H1E104A161	C 0.1UF, 25V		
		C4923	F1H1E104A161	C 0.1UF, 25V		
		C4924	F1H1E104A161	C 0.1UF, 25V		
		C5000	F1G1A105A080	C 1UF, 10V		
		C5002	F1G1A105A080	C 1UF, 10V		
		C5004	F1G1A105A080	C 1UF, 10V		
		C5006	F1J1E105A287	C 1UF, 25V		

Model No. : TH-32A410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C5012	F1G1A105A080	C 1UF, 10V		
		C5020	F1G1C104A146	C 0.1UF 16V		
		C5021	F1G1A105A080	C 1UF, 10V		
		C5022	F1G1C104A146	C 0.1UF 16V		
		C5026	F1H1E105A153	C 1UF, 16V		
		C5150	F1G1E103A172	C 0.01UF, 25V		
		C5151	F1G1E103A172	C 0.01UF, 25V		
		C5171	F1G1C103A173	C 0.01UF, 25V		
		C5400	F1K1V106A010	C 10UF, 25V		
		C5401	F1K1V106A010	C 10UF, 25V		
		C5402	F1G1C104A146	C 0.1UF 16V		
		C5403	F1J0J2260004	C 22 UF 6.3 V		
		C5404	F1J0J2260004	C 22 UF 6.3 V		
		C5407	F1G1E333A144	C 0.033UF 25V		
		C5408	F1G1H222A830	C 2200PF, 50V		
		C5420	F1K1V106A010	C 10UF, 25V		
		C5421	F1K1V106A010	C 10UF, 25V		
		C5422	F1G1C104A146	C 0.1UF 16V		
		C5423	F1J0J2260004	C 22 UF 6.3 V		
		C5424	F1J0J2260004	C 22 UF 6.3 V		
		C5427	F1G1E333A144	C 0.033UF 25V		
		C5428	F1G1H222A830	C 2200PF, 50V		
		C5500	F1K1V106A010	C 10UF, 25V		
		C5502	F1G1C104A146	C 0.1UF 16V		
		C5503	F1G1C223A146	C 0.022UF, 16V		
		C5505	F1G1E332A144	C 0.033UF 25V		
		C5507	F1K1V106A010	C 10UF, 25V		
		C5508	F1K1V106A010	C 10UF, 25V		
		C5509	F1K1V106A010	C 10UF, 25V		
		C5717	F1J1A106A043	C 10UF, 10V		
		C5718	F1J1A106A043	C 10UF, 10V		
		C6704	F1J1A106A043	C 10UF, 10V		
		C6707	F1G1C104A146	C 0.1UF 16V		
		C6708	F1J1A106A043	C 10UF, 10V		
		C6710	F1G1C104A146	C 0.1UF 16V		
		C6720	F1G1H220A948	C 22PF, 50V		
		C6721	F1G1H220A948	C 22PF, 50V		
		C6722	F1G1C104A146	C 0.1UF 16V		
		C6723	F1G1H220A948	C 22PF, 50V		
		C6724	F1G1H220A948	C 22PF, 50V		
		C6736	F1G1H101A948	C 100PF, 50V		
		C6737	F1G1H101A948	C 100PF, 50V		
		C6746	F1G1C104A146	C 0.1UF 16V		
		C6750	F1G1H331A830	C 330PF, 50V		
		C6751	F1G1H121A834	C 120PF, 50V		
		C6752	F1G1H121A834	C 120PF, 50V		
		C6753	F1G1H5R0A831	C 5PF, 50V		
		C6754	F1G1H5R0A831	C 5PF, 50V		
		C6758	F1G1H181A834	C 180PF, 50V		
		C6759	F1G1H181A834	C 180PF, 50V		
		C6760	F1G1H102A834	C 1000PF 50V		
		C6762	F1G1H102A834	C 1000PF 50V		
		C6763	F1G1C104A146	C 0.1UF 16V		
		C6764	F1G1C104A146	C 0.1UF 16V		
		C6766	F1G1H102A946	C 1000PF, 50V		
		C6767	F1G1H102A946	C 1000PF, 50V		
		C6768	F1G1H102A946	C 1000PF, 50V		
		C6769	F1G1E103A172	C 0.01UF, 25V		
		C6770	F1G1E103A172	C 0.01UF, 25V		
		C6773	F1G1H102A946	C 1000PF, 50V		
		C6774	F1G1C104A146	C 0.1UF 16V		
		C6775	F1G1C104A146	C 0.1UF 16V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C6777	F1G0J105A049	C 1UF, 6.3V		
		C6778	F1G1C104A146	C 0.1UF 16V		
		C6799	F1H1H181B052	C 180PF, 50V		
		C6801	F1G0J105A049	C 1UF, 6.3V		
		C6802	F1G1E103A172	C 0.01UF, 25V		
		C6807	F1G1E103A172	C 0.01UF, 25V		
		C6824	F1G1H121A834	C 120PF, 50V		
		C6828	F1G1H102A946	C 1000PF, 50V		
		C7101	F0CAF1040016	C 0.1UF 16V		
		C7102	F0CAF1040016	C 0.1UF 16V		
		C7103	F1AAF471A019	C 4700PF, 240V		
		C7104	F1AAF471A019	C 4700PF, 240V		
		C7105	F1AAF101A019	C 100PF, 240V		
		C7106	F1AAF101A019	C 100PF, 240V		
		C7301	F2A2W650A304	C 65UF, 450V		
		C7306	F1B3D221A099	C 220P 2000V		
		C7310	F1J1H104A902	C 0.1UF, 50V		
		C7311	F1H1H102B052	C 1000PF, 50V		
		C7312	F1J1H105A919	C 1000PF, 50V		
		C7313	F2A1V470B660	C 1UF, 50V		
		C7314	F1H1H102B052	C 47UF, 35V		
		C7315	F1AAF102A020	C 1000PF, 50V		
		C7317	F1J2E1030004	C 0.1PF, J,250V		
		C7318	F1J2E1030004	C 0.1PF, J,250V		
		C7319	F1J1H103A900	C 0.01UF, 50V		
		C7501	F1A3A471A060	C 470PF 1KV		
		C7502	F2A1J471A657	C 470PF, 500V		
		C7503	F1H1H223B047	C 0.022UF, 50V		
		C7504	F1J1E225A178	C 2.2UF, 25V		
		C7505	F1H1H105B027	C 1UF, 50V		
		C7510	F1B2H471A058	C 470PF, 500V		
		C7512	F2A1E4710124	C 470UF, 25V		
		C7520	F1H1A475A102	C 4.7UF, 10V		
		C7523	F1J1H104A902	C 0.1UF, 50V		
		C7531	F1J1H104A902	C 0.1UF, 50V		
		C7532	F1H1H104B047	C 0.1UF, 50V		
		C7800	F1J1H102A909	C 1000pF, 50V		
		C7801	F1K1E106A134	C 10UF, 25V		
		C7802	F1K1E106A134	C 10UF, 25V		
		C7803	F1J1H104A902	C 0.1UF, 50V		
		C7804	F1J1H104A902	C 0.1UF, 50V		
		C7805	F1A3A471A060	C 470PF 1KV		
		C7807	F1J1H103A900	C 0.01UF, 50V		
		C7808	F1J1H222A911	C 2200pF, 50V		
		C7809	F1J1H103A900	C 0.01UF, 50V		
		C7810	F1J1H105A919	C 1UF, 50V		
		C7811	F1J1H102A909	C 1000pF, 50V		
		C7812	F1J1H471A906	C 470PF, 50V		
		C7816	F1A3A221A060	C 220PF 1KV		
		C7819	F1J1H104A902	C 0.1UF, 50V		
		C7820	F1J1H473A900	C 0.047UF, 50V		
		C7821	F2A2C470A240	C 47UF, 160V		
		C7822	F1J1H152A721	C 1500PF, 50V		
		C8001	F1G1C104A146	C 0.1UF 16V		
		C8002	F1J1A106A043	C 10UF, 10V		
		C8006	F1G1C104A146	C 0.1UF 16V		
		C8010	F1G1C104A146	C 0.1UF 16V		
		C8012	F1G1C104A146	C 0.1UF 16V		
		C8013	F1G1C104A146	C 0.1UF 16V		
		C8014	F1G1A105A047	C 1UF 10V		
		C8016	F1G1C104A146	C 0.1UF 16V		
		C8018	F1G1A105A047	C 1UF 10V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8027	F1G1C104A146	C 0.1UF 16V		
		C8028	F1G1C104A146	C 0.1UF 16V		
		C8031	F1J1A106A043	C 10UF, 10V		
		C8032	F1G1C104A146	C 0.1UF 16V		
		C8034	F1J1A106A043	C 10UF, 10V		
		C8037	F1J1A106A043	C 10UF, 10V		
		C8039	F1G1C104A146	C 0.1UF 16V		
		C8042	F1G1C104A146	C 0.1UF 16V		
		C8044	F1G1C104A146	C 0.1UF 16V		
		C8045	F1G1A105A047	C 1UF 10V		
		C8052	F1J0G2260001	C 22 UF 4 V		
		C8054	F1G1C104A146	C 0.1UF 16V		
		C8055	F1G1A105A047	C 1UF 10V		
		C8057	F1G1C104A146	C 0.1UF 16V		
		C8059	F1G1C104A146	C 0.1UF 16V		
		C8068	F1G1C104A146	C 0.1UF 16V		
		C8071	F1G1C104A146	C 0.1UF 16V		
		C8072	F1G1C104A146	C 0.1UF 16V		
		C8073	F1G1A105A047	C 1UF 10V		
		C8074	F1G1A105A047	C 1UF 10V		
		C8076	F1H1A105A136	C 1UF, 10V		
		C8100	F1G1E472A172	C 4700PF, 25V		
		C8101	F1H1E105A153	C 1UF, 16V		
		C8102	F1G1C104A146	C 0.1UF 16V		
		C8103	F1K1V106A010	C 10UF, 25V		
		C8105	F1J0G2260001	C 22 UF 4 V		
		C8108	F1G1H471A830	C 470PF, 50V		
		C8109	F1K1V106A010	C 10UF, 25V		
		C8111	F1G1C104A146	C 0.1UF 16V		
		C8112	F1G1C473A146	C 0.047UF, 16V		
		C8114	F1G1E332A144	C 3300PF, 25V		
		C8116	F1J0G2260001	C 22 UF 4 V		
		C8117	F1J0G2260001	C 22 UF 4 V		
		C8203	F1G1C104A146	C 0.1UF 16V		
		C8204	F1G1C104A146	C 0.1UF 16V		
		C8205	F1G1C104A146	C 0.1UF 16V		
		C8206	F1G1C104A146	C 0.1UF 16V		
		C8207	F1J1A106A043	C 10UF, 10V		
		C8208	F1G1C104A146	C 0.1UF 16V		
		C8210	F1G1C104A146	C 0.1UF 16V		
		C8212	F1G1C104A146	C 0.1UF 16V		
		C8214	F1G1C104A146	C 0.1UF 16V		
		C8216	F1J1A106A043	C 10UF, 10V		
		C8218	F1G1C104A146	C 0.1UF 16V		
		C8220	F1G1C104A146	C 0.1UF 16V		
		C8221	F1G1C104A146	C 0.1UF 16V		
		C8224	F1G1C104A146	C 0.1UF 16V		
		C8229	F1G1A105A047	C 1UF 10V		
		C8230	F1G1C104A146	C 0.1UF 16V		
		C8231	F1G1C104A146	C 0.1UF 16V		
		C8232	F1G1C104A146	C 0.1UF 16V		
		C8300	F1G1H100A948	C 10PF, 50V		
		C8301	F1G1H120A948	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	F1J1A106A043	C 10UF, 10V		
		C8463	F1G1C104A146	C 0.1UF 16V		
		C8467	F1J1A106A043	C 10UF, 10V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8470	F1G1C104A146	C 0.1UF 16V		
		C8700	F1H1A105A136	C 1UF, 10V		
		C8850	F1G1E103A172	C 0.01UF, 25V		
		C8900	F1G1C104A146	C 0.1UF 16V		
		C8901	F1G1C104A146	C 0.1UF 16V		
		C8903	F1G1A105A080	C 1UF, 10V		
		C8905	F1G1C104A146	C 0.1UF 16V		
DIODES						
		D2001	DZ2J047M0L	DIODE		
		D2004	DZ2J047M0L	DIODE		
		D2006	DZ2J047M0L	DIODE		
		D2007	DZ2J047M0L	DIODE		
		D2008	DZ2J056M0L	DIODE		
		D2009	DZ2J047M0L	DIODE		
		D2800	DZ2J056M0L	DIODE		
		D2802	B3AGB0000060	LED		
		D2853	EZJZ1V800AA	VARISTOR		
		D2854	EZJZ1V800AA	VARISTOR		
		D3006	K7AAAY000016	DIODE		
		D3101	DZ2J140M0L	DIODE		
		D3102	DZ2J140M0L	DIODE		
		D3103	DZ2J140M0L	DIODE		
		D3104	DZ2J140M0L	DIODE		
		D3105	DZ2J140M0L	DIODE		
		D3106	DZ2J140M0L	DIODE		
		D4704	B0JCED000012	DIODE		
		D4785	B0JCED000012	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		
		D6750	J0ZZB0000175	DIODE		
		D6752	B0ZBZ0000226	DIODE		
		D7101	D4EAY621A168	DIODE		
		D7102	B0EBNT000030	DIODE		
		D7301	B0HAGQ000001	DIODE		
		D7306	B0ECKT000012	DIODE		
		D7307	DZ2J068M0L	DIODE		
		D7308	B0ECKT000012	DIODE		
		D7313	DB2J41100L	DIODE		
		D7316	B0ACCD000008	DIODE		
		D7317	DA2JF2300L	DIODE		
		D7320	B0JAME000126	DIODE		
		D7324	DZ2J150M0L	DIODE		
		D7325	B0ACCD000008	DIODE		
		D7501	B0ACCD000008	DIODE		
		D7502	B0JBSM000007	DIODE		
		D7507	B0FCAM000004	DIODE		
		D7508	B0FCAM000004	DIODE		
		D7801	B0BC036A0495	DIODE		
		D7802	B0FCAM000004	DIODE		
		D7803	B0BC027A0336	DIODE		
		D7804	DZ2J056M0L	DIODE		
		D7805	B0ECKM000053	DIODE		
		D7806	B0BC015A0336	DIODE		
		D8000	DA2J10100L	DIODE		
		D8850	B0JCED000012	DIODE		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
INTEGRATED CIRCUITS						
		IC3052	C0ABBB000179	IC		
		IC4900	C1AB00003984	IC		
		IC5000	AN34043AAVF	IC		
		IC5400	C0DBAYY01299	IC		
		IC5420	C0DBAYY01299	IC		
		IC5500	C0DBAYY01644	IC		
		IC5704	C0DBEYY00102	IC		
		IC6750	C1AB00004172	IC		
		IC6751	C1AB00004174	IC		
		IC7301	C0DBBYY00065	IC		
		IC7501	C0DBZYY00531	IC		
		IC7502	C0DBEYY00146	IC		
		IC7800	C0ZBZ0002197	IC		
		IC8000	MN2WS0275PBS	IC		
		IC8001	C0DBGYY00887	IC		
		IC8100	C0DBAYY01645	IC		
		IC8101	C0DBAYY01644	IC		
		IC8200	C3ABTY000076	IC		
		IC8201	C3ABTY000076	IC		
		IC8454	C0DBZYY00541	IC		
		IC8900	C3FBTY000037	IC		
		IC8901	C3EBGY000056	IC		
COIL						
		L2300	J0JYC0000464	BEAD CORE		
		L3111	J0JYC0000156	INDUCTOR		
		L3112	J0JYC0000156	INDUCTOR		
		L3113	J0JYC0000156	INDUCTOR		
		L3116	J0JYC0000156	INDUCTOR		
		L4901	G1C220MA0533	INDUCTOR		
		L4902	G1C220MA0533	INDUCTOR		
		L4903	G1C220MA0533	INDUCTOR		
		L4904	G1C220MA0533	INDUCTOR		
		L5400	G1C4R7ZA0311	INDUCTOR		
		L5420	G1C6R8MA0533	INDUCTOR		
		L5500	G1C220MA0445	INDUCTOR		
		L6704	J0JYC0000464	BEAD CORE		
		L6706	J0JYC0000464	BEAD CORE		
		L6761	J0JYC0000464	BEAD CORE		
		L6762	J0JYC0000464	BEAD CORE		
		L6763	G1CR27JA0097	COIL		
		L6765	G1C82NJ00010	COIL		
		L6772	G1CR27JA0097	COIL		
		L6773	G1CR27JA0097	COIL		
		L6774	G1CR27JA0097	COIL		
		L6776	G1CR27JA0097	COIL		
		L6777	G1CR22JA0097	COIL		
		L6778	G1CR22JA0097	COIL		
		L6781	J0JYC0000464	BEAD CORE		
		L7101	EXCELD35V	CORE		
		L7102	EXCELD35V	CORE		
		L7301	EXCELSA35T	BEAD CORE		
		L7313	J0JHC0000048	BEAD CORE		
		L7512	EXCELSA35T	BEAD CORE		
		L7801	G0C480Z00002	COIL		
		L7802	EXCELD35C	BEAD CORE		
		L7803	EXCELD35V	CORE		
		L7804	EXCELD35V	CORE		
		L7806	J0JHC0000048	BEAD CORE		
		L7807	EXCELD35V	CORE		
		L7951	EXCELD35V	CORE		
		L8001	J0JCC0000287	COIL		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		L8009	J0JYC0000464	BEAD CORE		
		L8013	J0JYC0000464	BEAD CORE		
		L8014	J0JCC0000287	COIL		
		L8100	G1C2R2ZA0311	INDUCTOR		
		L8101	G1C3R3MA0464	INDUCTOR		
		L8461	J0JYC0000464	BEAD CORE		
TRANSISTOR						
		Q2012	B1ABCE000015	TRANSISTOR		
		Q2013	B1ABCE000015	TRANSISTOR		
		Q2014	B1ABCF000231	TRANSISTOR		
		Q3102	B1ABCE000015	TRANSISTOR		
		Q3103	B1ABCE000015	TRANSISTOR		
		Q4702	B1ABCF000231	TRANSISTOR		
		Q4709	B1ABCF000231	TRANSISTOR		
		Q4981	B1ABCE000015	TRANSISTOR		
		Q7301	B1CERR000067	TRANSISTOR		
		Q7302	B1ABCF000231	TRANSISTOR		
		Q7501	B1CFRG000069	TRANSISTOR		
		Q7502	B1CHRE000015	TRANSISTOR		
		Q7510	B1ABCF000231	TRANSISTOR		
		Q7801	B1CFRM000028	TRANSISTOR		
		Q7803	B1CFML000007	TRANSISTOR		
		Q7804	B1ABCN000007	TRANSISTOR		
		Q7808	B1ABCF000231	TRANSISTOR		
		Q7809	B1ADCE000022	TRANSISTOR		
RESISTORS						
		R0904	D0GA473JA039	M 47KOHM, J,1/16W		
		R0905	D0GA101JA039	M 100OHM, J, 1/16W		
		R0906	D0GA101JA039	M 100OHM, J, 1/16W		
		R0907	D0GA101JA039	M 100OHM, J, 1/16W		
		R0908	D0GA101JA039	M 100OHM, J, 1/16W		
		R0909	D0GA101JA039	M 100OHM, J, 1/16W		
		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		
		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, 1/16W		
		R0939	D0GA101JA039	M 100OHM, J, 1/16W		
		R0940	D0GA101JA039	M 100OHM, J, 1/16W		
		R0945	D0GA101JA039	M 100OHM, J, 1/16W		
		R0946	D0GA101JA039	M 100OHM, J, 1/16W		
		R0947	D0GA101JA039	M 100OHM, J, 1/16W		
		R0948	D0GA101JA039	M 100OHM, J, 1/16W		
		R0950	D0GA101JA039	M 100OHM, J, 1/16W		
		R0951	D0GA101JA039	M 100OHM, 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		
		R0961	D0GA220JA023	M22 OHM, J.1/16 W		
		R0962	D0GA220JA023	M22 OHM, J.1/16 W		
		R1951	D0GA680JA023	M 68 OHM, J,1/16W		
		R1953	D0GA103JA039	M 10KOHM, F,1/16W		
		R2000	D0GA823JA023	M 82KOHM, J,1/16W		
		R2003	D0GAR00J0005	M 0 OHM, 1/16W		
		R2008	D0GA473JA039	M 47KOHM, J,1/16W		
		R2013	D0GA101JA039	M 100OHM, J, 1/16W		
		R2014	D0GA101JA039	M 100OHM, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R2016	D0GA122JA023	M 1.2KOHM, J,1/16W		
		R2017	D0GAR00J0005	M 0 OHM, 1/16W		
		R2018	D0GAR00J0005	M 0 OHM, 1/16W		
		R2056	D0GAR00J0005	M 0 OHM, 1/16W		
		R2058	D0GA473JA039	M 47KOHM, J,1/16W		
		R2059	D0GA103JA039	M 10KOHM,F,1/16W		
		R2060	D0GA473JA039	M 47KOHM, J,1/16W		
		R2061	D0GA223JA023	M 22K OHM J 1/16W		
		R2062	D0GA101JA039	M 100OHM, J, 1/16W		
		R2065	D0GA102JA039	M 1KOHM, J, 1/16W		
		R2066	D0GA473JA039	M 47KOHM, J,1/16W		
		R2067	D0GA101JA039	M 100OHM, 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	D0GBR00J0004	M 0 OHM J 1/10W		
		R2823	D1BB1821A143	M 1.82KOHM, J, 1/16W		
		R2824	D1BB6800A074	M 68 OHM, J,1/16W		
		R2852	D1BB1911A073	M 1.91KOHM ,F, 1/16W		
		R2853	D1BB3091A073	M 3.09KOHM ,F, 1/16W		
		R2854	D1BB6041A073	M 6.04KOHM ,F, 1/16W		
		R2855	D1BB1692A073	M 16.9KOHM,F.1/16 W		
		R3117	D0GA102JA039	M 1KOHM, J, 1/16W		
		R3118	D0GA473JA039	M 47KOHM, J,1/16W		
		R3132	D0GB103JA065	M 10K OHM J 1/10W		
		R3157	D1HY2204A012	NETWORK RESISTER		
		R3163	D0GA104JA039	M 100KOHM,J,1/8W		
		R3164	D0GA104JA039	M 100KOHM,J,1/8W		
		R3167	D0GA333JA023	M 33KOHM,J,1/16W		
		R3168	D0GA333JA023	M 33KOHM,J,1/16W		
		R3171	D0GA222JA023	M 2.2KOHM, J,1/16W		
		R3172	D0GA222JA023	M 2.2KOHM, J,1/16W		
		R3173	D1BB1003A143	M 100KOHM,J,1/8W		
		R3179	D0GA221JA023	M220 OHM, J.1/16 W		
		R3180	D0GA221JA023	M220 OHM, J.1/16 W		
		R3181	D1BD75R0A204	M 75OHM ,J, 1/16W		
		R3182	D1BD75R0A204	M 75OHM ,J, 1/16W		
		R3183	D1BD75R0A204	M 75OHM ,J, 1/16W		
		R3188	D1BB1003A143	M 100KOHM,J,1/8W		
		R3195	D0GA111JA023	M 110 OHM, J.1/16W		
		R3196	D0GA111JA023	M 110 OHM, J.1/16W		
		R3201	D0GA101JA039	M 100OHM, J, 1/16W		
		R3231	D0GB103JA065	M 10K OHM J 1/10W		
		R3233	D1BB2002A143	M 20KOHM ,F, 1/16W		
		R3234	D1BB2002A143	M 20KOHM ,F, 1/16W		
		R3237	D0GB473JA065	M 47KOHM J. 1/10W		
		R3238	D0GB473JA065	M 47KOHM J. 1/10W		
		R4079	D0GAR00J0005	M 0 OHM, 1/16W		
		R4084	D0GAR00J0005	M 0 OHM, 1/16W		
		R4088	D0GAR00J0005	M 0 OHM, 1/16W		
		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,1/16W		
		R4724	D0GA102JA039	M 1KOHM, J, 1/16W		
		R4725	D0GA473JA039	M 47KOHM, J,1/16W		
		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 82OHM, J,1/16W		
		R4764	D0GA473JA039	M 47KOHM, J,1/16W		
		R4766	D0GA473JA039	M 47KOHM, J,1/16W		
		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,1/16W		
		R4797	D0GA102JA039	M 1KOHM, J, 1/16W		
		R4798	D0GA473JA039	M 47KOHM, J,1/16W		
		R4799	D0GA273JA023	M 27K OHM J ,1/16W		
		R4800	D0GA473JA039	M 47KOHM, J,1/16W		
		R4801	D0GA473JA039	M 47KOHM, J,1/16W		
		R4802	D0GBR00J0004	M 0 OHM J 1/10W		
		R4900	D0GFR00J0005	M 0 OHM,J,1/3W		
		R4906	D0GA103JA039	M 10KOHM,F,1/16W		
		R4907	D0GA102JA039	M 1KOHM, J, 1/16W		
		R4908	D0GA102JA039	M 1KOHM, J, 1/16W		
		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 1KOHM, J, 1/16W		
		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,1/16W		
		R4984	D0GA680JA023	M 68 OHM, J,1/16W		
		R4985	D0GA680JA023	M 68 OHM, J,1/16W		
		R4986	D0GA680JA023	M 68 OHM, J,1/16W		
		R4987	D0GA680JA023	M 68 OHM, J,1/16W		
		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, 1/16W		
		R5101	D0GA473JA039	M 47KOHM, J,1/16W		
		R5102	D0GA473JA039	M 47KOHM, J,1/16W		
		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		
		R5401	D1BA2202A023	M 22KOHM,F. 1/16 W		
		R5402	D1BB9100A143	M 910OHM ,F, 1/16W		
		R5403	D1BB2871A143	M 2.87KOHM ,F, 1/16W		
		R5421	D1BA3302A023	M 33KOHM,F. 1/16 W		
		R5422	D1BB9100A143	M 910OHM ,F, 1/16W		
		R5423	D1BB4871A143	M 4.87KOHM ,F, 1/16W		
		R5500	D1BA4702A023	M 47 KOHM,F.1/16 W		
		R5501	D1BA3601A023	M 3.6KOHM,F 1/16 W		
		R5502	D1BA5102A023	M 51KOHM ,F, 1/16W		
		R5507	D0GA473JA039	M 47KOHM, J,1/16W		
		R5731	D1BA1200A023	M 120 OHM,F,1/16 W		
		R5732	D1BA56R0A023	M 56 OHM,F.1/16 W		
		R6728	D0GAR00J0005	M 0 OHM, 1/16W		
		R6729	D0GAR00J0005	M 0 OHM, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R6734	D1BA1002A023	M 10KOHM,F,1/16W		
		R6750	D0GA101JA039	M 100OHM, J, 1/16W		
		R6751	D0GA103JA039	M 10KOHM,F,1/16W		
		R6753	D0GA101JA039	M 100OHM, J, 1/16W		
		R6757	D0GA101JA039	M 100OHM, J, 1/16W		
		R6758	D0GA101JA039	M 100OHM, J, 1/16W		
		R6759	D0GA102JA039	M 1KOHM, J, 1/16W		
		R6760	D0GA332JA023	M 3.3KOHM, J,1/16W		
		R6762	D0GA331JA023	M 330 OHM, J,1/16W		
		R6763	ERJ2GEJ240X	M 24 OHM, J,1/16 W		
		R6764	D0GA681JA023	M680 OHM, J,1/16W		
		R6765	D0GA681JA023	M680 OHM, J,1/16W		
		R6766	D0GA102JA039	M 1KOHM, J, 1/16W		
		R7101	D0GF105JA048	M 1M OHM. 1/4W		
		R7102	D0GF105JA048	M 1M OHM. 1/4W		
		R7103	D0GF105JA048	M 1M OHM. 1/4W		
		R7104	D0GF105JA048	M 1M OHM. 1/4W		
		R7303	D0GD752JA052	M 7.5KOHM ,F, 1/16W		
		R7304	D0GD183JA052	M 18KOHM,J,1/8W		
		R7313	D0GD220JA052	M 22 OHM,J,1/8W		
		R7314	D0GD681JA059	M 680OHM ,J, 1/16W		
		R7315	D0C1R47JA104	M 0.47OHM ,J, 1W		
		R7316	D0C1R56JA104	M 0.56OHM ,J, 1W		
		R7317	D0GD680JA059	M 68OHM,J,1/4W		
		R7318	D0GD471JA052	M 470 OHM,J,1/8W		
		R7319	D0GD393JA052	M 39 KOHM,J,1/8W		
		R7320	D0GB562JA065	M 5.6KOHM,J,1/10W		
		R7325	D0GD4R7JA059	M 4.7 OHM,J,1/4W		
		R7329	D0GDR00J0004	M 0 OHM, 1/8W		
		R7335	D0B1106JA033	M 10MOHM J 1W		
		R7342	D0GD182JA052	M 1.8KOHM, J,0.063W		
		R7343	D0GD182JA052	M 1.8KOHM, J,0.063W		
		R7344	D0GD182JA052	M 1.8KOHM, J,0.063W		
		R7351	D0GF474JA048	M 470KOHM,J,1/3W		
		R7353	D0GD220JA059	M 22 OHM,J,1/4W		
		R7354	D0GD220JA059	M 22 OHM,J,1/4W		
		R7501	D0GB153JA065	M 15K OHM J 1/10W		
		R7502	D0GB273JA072	M 27K OHM J ,1/16W		
		R7503	D0GB153JA065	M 15K OHM J 1/10W		
		R7504	D0GB153JA065	M 15K OHM J 1/10W		
		R7505	D0GD101JA052	M 100 OHM,J,1/8W		
		R7507	D0GB124JA065	M 120KOHM,F.1/16 W		
		R7511	D0GD103JA052	M 10KOHM,J,1/8W		
		R7512	D0GB472JA065	M 4.7KOHM, J,1/10W		
		R7515	D0GB222JA065	M 2.2KOHM,J,1/10W		
		R7516	D0GD472JA052	M 4.7KOHM,J,1/8W		
		R7517	D0GB222JA065	M 2.2KOHM,J,1/10W		
		R7519	D1BB5601A073	M 5.6KOHM,J.1/10W		
		R7520	D1BB3301A073	M 3.3KOHM,J.1/10W		
		R7521	D0GD123JA052	M 12KOHM,J,1/8W		
		R7523	D0GD473JA052	M 47KOHM,J,1/8W		
		R7524	D0GB473JA065	M 47KOHM J. 1/10W		
		R7532	D0GBR00J0004	M 0 OHM J 1/10W		
		R7537	D0GBR00J0004	M 0 OHM J 1/10W		
		R7540	D0GB184ZA041	M 180KOHM ,F, 1/16W		
		R7541	D1BD1603A177	M 160KOHM,F.1/16 W		
		R7800	D0GD101JA052	M 100 OHM,J,1/8W		
		R7801	D0GD222JA052	M 2.2KOHM,J,1/8W		
		R7802	D0GD223JA052	M 22KOHM,J,1/8W		
		R7803	D0GD100JA059	M 10 OHM,J,1/4W		
		R7804	D0GD470JA059	M 47 OHM,J,1/4W		
		R7806	D0GD102JA052	M 1.0KOHM,J,1/8W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7807	D0GD103JA052	M 10KOHM,J,1/8W		
		R7808	D0GB473JA065	M 47KOHM J. 1/10W		
		R7809	D0GD182JA052	M 1.8KOHM, J,0.063W		
		R7810	D1BB2492A074	M 24.9KOHM ,F, 1/8W		
		R7812	D0GD683JA052	M 68KOHM,J,1/8W		
		R7813	D0GB154JA065	M 150KOHM J 1/10W		
		R7814	D0GB114JA065	M 110KOHM ,J, 1/16W		
		R7815	D0GB822JA065	M 8.2KOHM J 1/10W		
		R7818	D0GD223JA052	M 22KOHM,J,1/8W		
		R7819	D0GD473JA052	M 47KOHM,J,1/8W		
		R7820	D0GD471JA052	M 470 OHM,J,1/8W		
		R7821	D0GF472JA048	M 4.7KOHM ,J, 1/8W		
		R7822	D0GD122JA052	M 1.2KOHM, J,1/16W		
		R7823	D0GF472JA048	M 4.7KOHM ,J, 1/8W		
		R7824	D1BD5R10A066	M 5.1OHM ,F, 1/8W		
		R7825	D1BD5R10A066	M 5.1OHM ,F, 1/8W		
		R7826	D1BD5R10A066	M 5.1OHM ,F, 1/8W		
		R7827	D0GF472JA048	M 4.7KOHM ,J, 1/8W		
		R7828	D0GD104JA052	M 100KOHM,J,1/8W		
		R7830	D0GD104JA052	M 100KOHM,J,1/8W		
		R7831	D0GDR00J0004	M 0 OHM, 1/8W		
		R7834	D0GB1R0JA065	M 10HM ,J, 1/16W		
		R7838	D0C1R15JA104	M 0.15OHM ,J, 1/16W		
		R7839	D0C1R22JA104	M 0.22OHM ,J, 1/16W		
		R7840	D0GD471JA052	M 470 OHM,J,1/8W		
		R7841	D0GD471JA059	M 470 OHM,J,1/4W		
		R7845	D0GB113JA065	M 11KOHM ,J, 1/8W		
		R7846	D0GB333JA065	M 33KOHM,J,1/10W		
		R8005	D0GA1R1JA023	M 1.1OHM, J,1/16W		
		R8010	D0GA511JA023	M510 OHM, J,1/16W		
		R8011	D0GA104JA039	M 100KOHM,J,1/8W		
		R8102	D1BA4701A023	M 4.7KOHM,F 1/16 W		
		R8103	D1BA2002A023	M 20KOHM ,F, 1/16W		
		R8104	D1BA1802A014	M 18KOHM, F.1/16 W		
		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		
		R8221	D0GA103JA023	M10KOHM, J.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	D0GA330JA023	M 33 OHM, J,1/16W		
		R8236	D0GA330JA023	M 33 OHM, J,1/16W		
		R8240	D1HY3304A012	NETWORK RESISTER		
		R8241	D1HY3304A012	NETWORK RESISTER		
		R8242	D1HY3304A012	NETWORK RESISTER		
		R8243	D1HY3304A012	NETWORK RESISTER		
		R8244	D1HY3304A012	NETWORK RESISTER		
		R8245	D0GA330JA023	M 33 OHM, J,1/16W		
		R8246	D0GA330JA023	M 33 OHM, J,1/16W		
		R8300	D0GA331JA023	M 330 OHM, J,1/16W		
		R8301	D0GA360JA023	M 36 OHM, J,1/16W		
		R8302	D0GA360JA023	M 36 OHM, J,1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		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		
		R8307	D0GA360JA023	M 36 OHM, J,1/16W		
		R8450	D0GA103JA039	M10KOHM, J.1/16 W		
		R8451	D0GA103JA039	M10KOHM, J.1/16 W		
		R8454	D0GA103JA039	M10KOHM, J.1/16 W		
		R8455	D0GA103JA039	M10KOHM, J.1/16 W		
		R8458	D1BA1822A023	M 18.2KOHM,F.1/16 W		
		R8469	D0GA103JA039	M10KOHM, J.1/16 W		
		R8666	D1HY1038A012	NETWORK RESISTER		
		R8800	D0GA103JA039	M10KOHM, J.1/16 W		
		R8803	D0GA103JA039	M10KOHM, J.1/16 W		
		R8816	D0GA103JA039	M10KOHM, J.1/16 W		
		R8818	D0GA103JA039	M10KOHM, J.1/16 W		
		R8819	D0GA103JA039	M10KOHM, J.1/16 W		
		R8820	D0GA103JA039	M10KOHM, J.1/16 W		
		R8830	D0GA103JA039	M10KOHM, J.1/16 W		
		R8850	D0GA331JA023	M 330 OHM, J,1/16W		
		R8851	D1BB7151A143	M 7.15KOHM ,F, 1/16W		
		R8852	D0GA102JA039	M 1KOHM, J, 1/16W		
		R8853	D0GA182JA023	M 1.8KOHM, J,0.063W		
		R8858	D0GA103JA039	M10KOHM, J.1/16 W		
		R8870	D0GA103JA039	M10KOHM, J.1/16 W		
		R8878	D0GA103JA039	M10KOHM, J.1/16 W		
		R8884	D0GA103JA039	M10KOHM, J.1/16 W		
		R8885	D0GA103JA039	M10KOHM, J.1/16 W		
		R8886	D0GA102JA039	M 1KOHM, J, 1/16W		
		R8903	D0GA472JA023	M 4.7KOHM, J,1/16W		
		R8906	D0GA680JA023	M 68 OHM, J,1/16W		
		R8909	D0GA222JA023	M 2.2KOHM, J,1/16W		
		R8910	D0GA103JA039	M10KOHM, J.1/16 W		
		R8911	D1HY1218A012	M 120 OHM,F.1/16 W		
		R8914	D0GA680JA023	M 68 OHM, J,1/16W		
		R8915	D0GA680JA023	M 68 OHM, J,1/16W		
		R8916	D0GA680JA023	M 68 OHM, J,1/16W		
		R8917	D0GA680JA023	M 68 OHM, J,1/16W		
		R8918	D0GA680JA023	M 68 OHM, J,1/16W		
		R8919	D0GA680JA023	M 68 OHM, J,1/16W		
		R8924	D0GA102JA039	M 1KOHM, J, 1/16W		
		R8926	D0GA332JA023	M 3.3KOHM, J,1/16W		
		R8967	D0GA473JA039	M 47KOHM, J,1/16W		
		R959	D0GA220JA023	M22 OHM, J.1/16 W		
		R960	D0GA220JA023	M22 OHM, J.1/16 W		
TRANSFORMER						
		T7301	G4DYA0000567	TRANSFORMER		
OTHERS						
		A02	K1KY14BA0484	CONNECTOR		
		A11	K1KY07BA0483	CONNECTOR		
		A12	K1KY04BA0387	CONNECTOR		
		A18	K1MY30B00008	CONNECTOR		
		CF7101	D4CAY4R7A096	THERMISTOR RESISTOR		
		F7101	K5E502YYA213	FUSE		
		JA1	D0GDR00J0004	CHIP RESISTOR		
		JA10	D0GDR00J0004	CHIP RESISTOR		
		JA11	D0GDR00J0004	CHIP RESISTOR		
		JA12	D0GDR00J0004	CHIP RESISTOR		
		JA13	D0GDR00J0004	CHIP RESISTOR		
		JA2	D0GDR00J0004	CHIP RESISTOR		
		JA20	D0GFR00J0005	CHIP RESISTOR		
		JA21	D0GFR00J0005	CHIP RESISTOR		
		JA22	D0GFR00J0005	CHIP RESISTOR		

Model No. : TH-32A410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		JA23	D0GFR00J0005	CHIP RESISTOR		
		JA25	D0GFR00J0005	CHIP RESISTOR		
		JA27	D0GFR00J0005	CHIP RESISTOR		
		JA28	D0GFR00J0005	CHIP RESISTOR		
		JA3	D0GDR00J0004	CHIP RESISTOR		
		JA4	D0GDR00J0004	CHIP RESISTOR		
		JA5	D0GDR00J0004	CHIP RESISTOR		
		JA6	D0GDR00J0004	CHIP RESISTOR		
		JA7	D0GDR00J0004	CHIP RESISTOR		
		JA8	D0GDR00J0004	CHIP RESISTOR		
		JA9	D0GDR00J0004	CHIP RESISTOR		
		JK3101	K1U511D00002	AV TERMINAL		
		JK3103	K1U204DA0001	TERMINAL		
		JK4700	K1FY119D0029	TERMINAL		
		JK4701	K1FY119D0029	TERMINAL		
		JK6753	K1ZZ00001557	AV TERMINAL		
		JK7101	K2AAYA000003	TERMINAL		
		JK8451	K1FY104B0092	TERMINAL		
		JS0053	D0GAR00J0005	CHIP RESISTOR		
		JS0068	D0GAR00J0005	CHIP RESISTOR		
		K10	K1KY07BA0483	CONNECTOR		
		LF7103	G0B243G00002	LINE FILTER		
		LF7104	G0B243G00002	LINE FILTER		
		P2	K1KY14BA0491	CONNECTOR		
		P3	K1KY03BA0385	CONNECTOR		
		PC7300	B3PAA0000629	PHOTO COUPLER		
		PC7301	B3PAA0000629	PHOTO COUPLER		
		RM2800	B3RBB0000018	PHOTO DETECTOR		
		SN2800	B3JB00000219	PHOTO DETECTOR		
		SW2851	EVQ11G05R	SWITCH		
		SW2852	EVQ11G05R	SWITCH		
		SW2853	EVQ11G05R	SWITCH		
		SW2854	EVQ11G05R	SWITCH		
		SW2855	EVQ11G05R	SWITCH		
		SW2857	EVQ11G05R	SWITCH		
		X6750	H0J240500067	CRYSTAL OSCILLATOR		
		X8300	H0J250500109	CRYSTAL RESONATOR		
		ZA7101	K4AD01A00004	RUG TERMINAL		
		ZA7102	K4AD01A00004	RUG TERMINAL		
		ZA7103	K4AD01A00004	RUG TERMINAL		

Model No. : TH-32A410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
Exploded View						
		1	K2CQ2YY00122	AC CORD		
		2	L0EYAA000052	SPEAKER UNIT		
		3	L5EDDYY00593	LCD PANEL		
		4	N2QAYB000935	REMOTE TRANSMITTER		
		5	TBL5ZX06921	PEDESTAL ASSY		
		6	TBL5ZX08731	STD MOULD ASSY		
			TBM4GD3211	MODEL NAME PLATE		
		7	TBX5ZA03303	KEY BUTTON BRACKET		
		8	TKK5ZC50501	LED PANEL		
		9	TKP5ZA48902	SIDE AV BRACKET		
		10	TPD4GA04991	TOP CUSHION		
		11	TPD4GA05001	BOTTOM CUSHION		
		12	TPE4GH065	SET COVER		
		13	TQZ4GB791	FAN BAG ASSY		
			TSCKF0700001	LVDS CABLE		
		14	TTU4GA1161	BACK COVER ASSY		
		15	TXFPC01ZNUR	PACKING CASE ASSY		
			XTB4+18JFJK	STAND TO PEDESTAL SCREW		
			XYN4+F15FJK	STAND TO TV SCREW		
Electrical Replacement Part List						
		RTL	TZT/A1ZNUR	A PRINT ASSY		
		RTL	TXN/K1TQUK	K PRINT		
		RTL	TZRN11ZNUR	P PRINT		