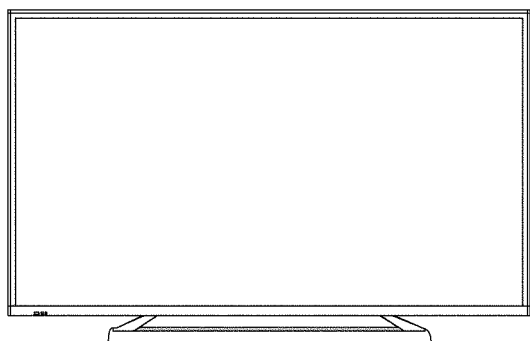


Service Manual

LED TV



Model No. TH-60A430R

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 Fasten connectors but plug them straight in or unplug them straight out.

1.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be 8.5Mohm to 13Mohm. When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

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

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

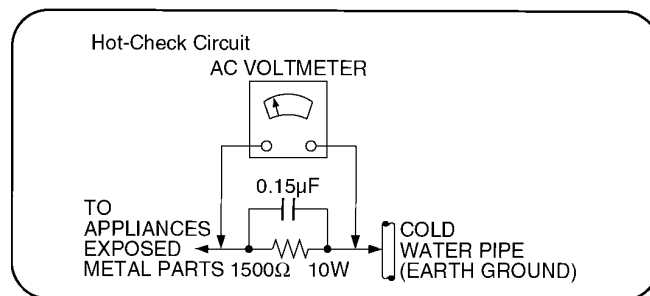


Figure 1

2 Warning

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

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

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

Caution

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

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

2.2. About lead free solder (PbF)

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

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

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

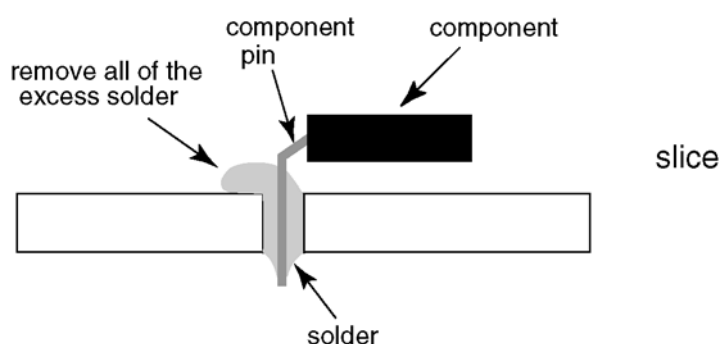
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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

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

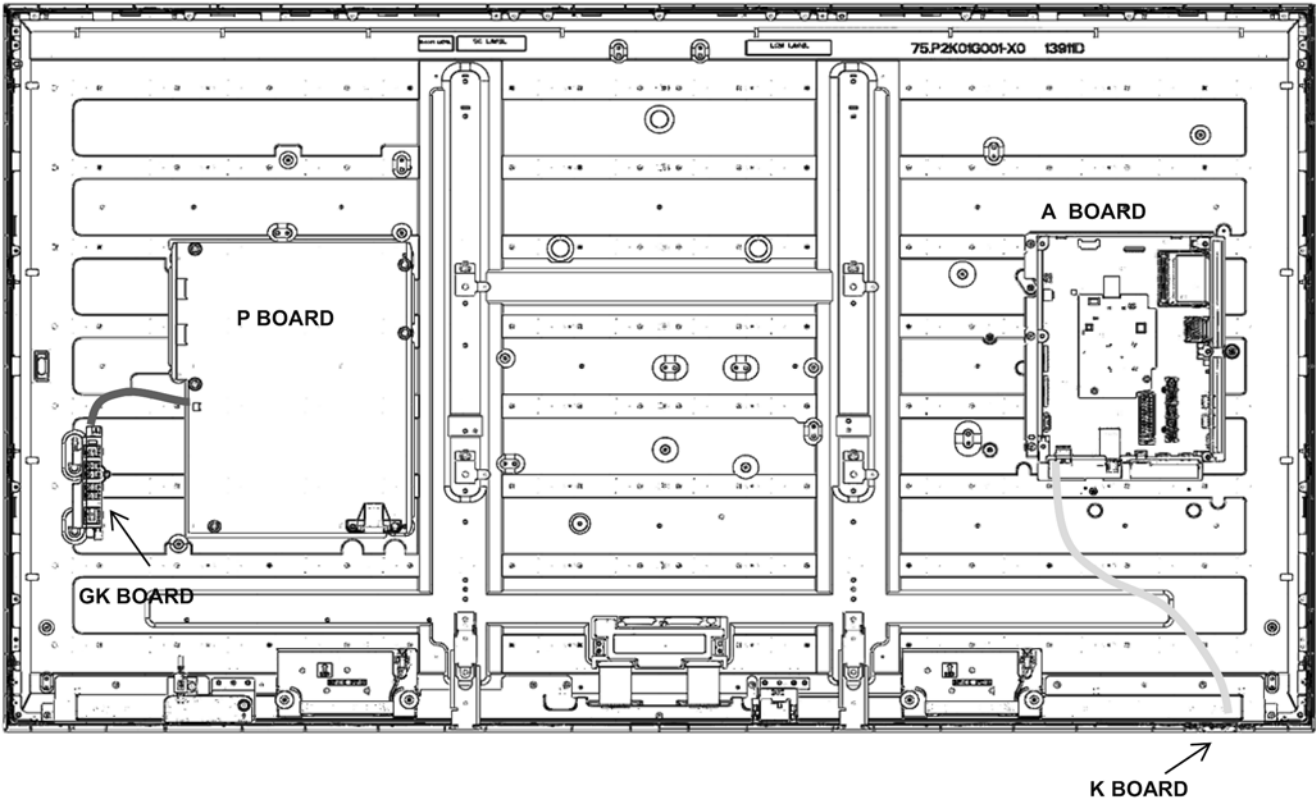
Caution

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



3 Service Navigation

3.1. Service Hint



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

4 Specifications

Dimensions (W × H × D)	1 351 mm × 822 mm × 289 mm (With Pedestal) 1 351 mm × 778 mm × 62 mm (TV only)		
Mass	21.0 kg Net (With Pedestal) 19.5 kg Net (TV only)		
Power source	AC Single 220-240 V, 50 / 60 Hz		
Rated power consumption	166 W		
Standby power consumption	0.20 W		
Visible screen size (diagonal)	151 cm		
Display resolution	1 920 (W) × 1 080 (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	Reception of broadcast transmissions and Playback from Video Cassette Tape Recorders
	2	PAL I	
	3	PAL D, K	
	4	SECAM B, G	
	5	SECAM D, K	
	6	SECAM K1	
	7	NTSC M (NTSC 3.58 / 4.5 MHz)	
	8	NTSC 4.43 / 5.5 MHz	Playback from Special VCR's or DVD
	9	NTSC 4.43 / 6.0 MHz	
	10	NTSC 4.43 / 6.5 MHz	
	11	NTSC 3.58 / 5.5 MHz	
	12	NTSC 3.58 / 6.0 MHz	
	13	NTSC 3.58 / 6.5 MHz	
	14	SECAM I	
	15	PAL 60 Hz / 5.5 MHz	Playback from Special Disc Players and Special VCR's or DVD (via AV input only)
	16	PAL 60 Hz / 6.0 MHz	
	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

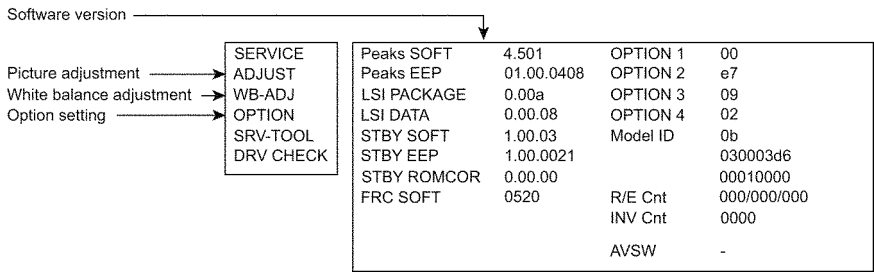
- Design and Specifications are subject to change without notice. Mass and Dimensions shown are approximate.

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.



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	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

Main item	Sub item	Sample Data
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

5.1.5. 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

60 FHD		
SELF CHECK COMPLETE		
H14TUN	OK	PEAKS-SOFT 4.501
H90STBY	OK	PEAKS-EEP 01.00.0408
H92MEM1	OK	LSI-PACKAGE 0.00a
H91MEM2	OK	LSI-RELEASE 0.08
		STBY-SOFT 1.00.03
		STBY-EEP 1.00.0021
		MODEL ID 0b
		030003d6
		00010000

6.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

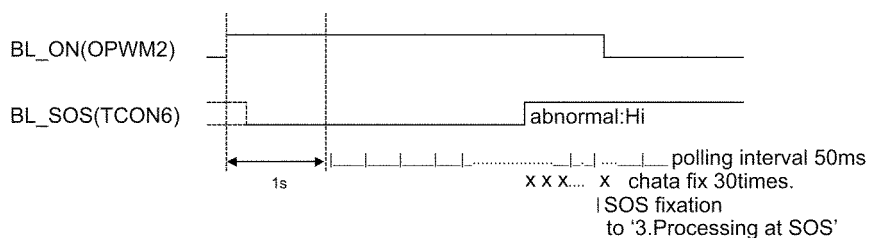
When an abnormality occurs, the protection circuit will operate and reset the unit to stand by mode. During this time, the defective block can be identified by the number of blinking times of the Power LED on the front panel of the unit as follow:

	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

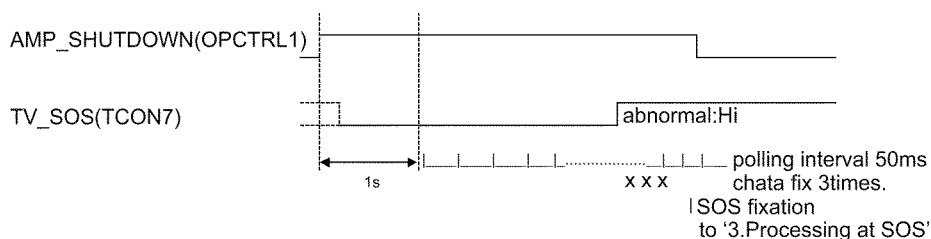
1. BL_SOS

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



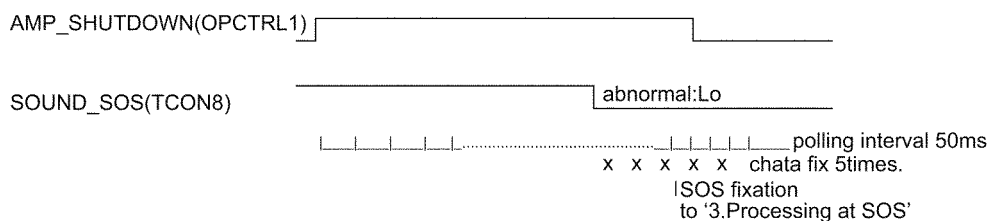
2. TV_SOS

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.

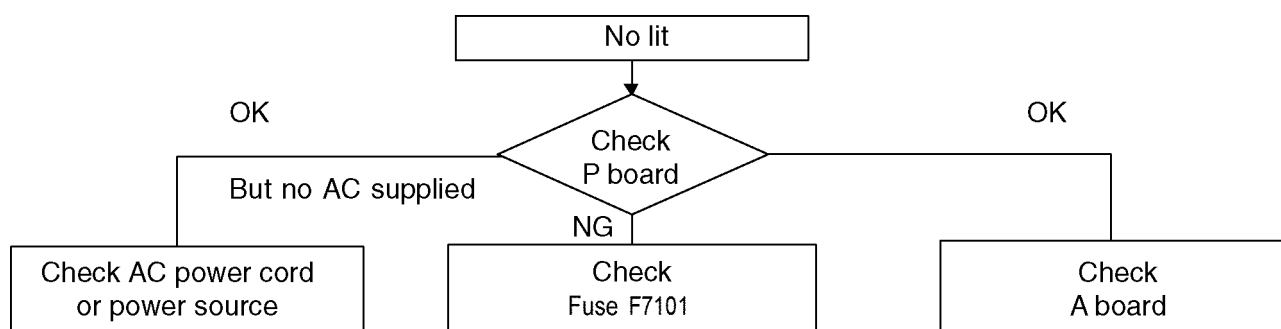
If the normal picture is displayed, LCD Panel must be okay and the cause of failure must be in A board.

6.5. No Power

First check point

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

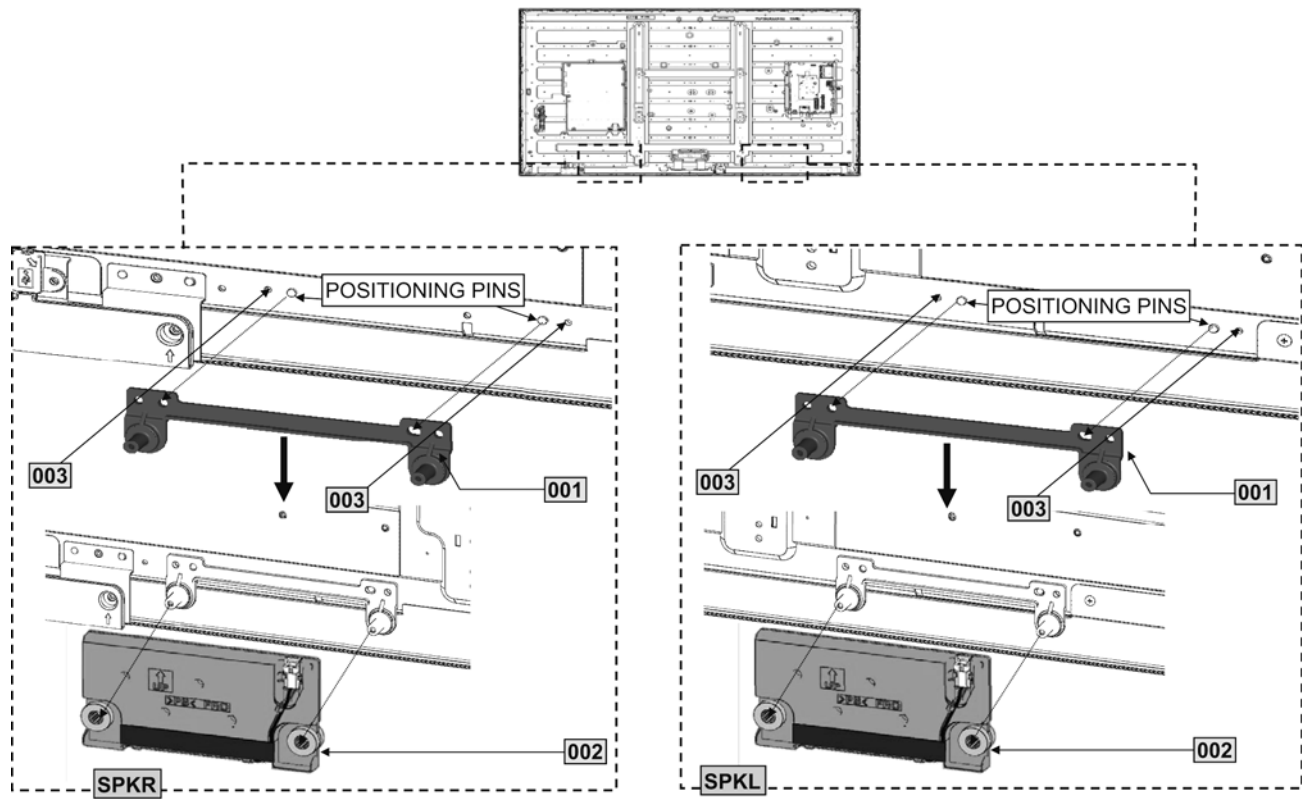
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 6.2.)



7 Disassembly and Assembly Instructions

7.1. SP Bracket Assy

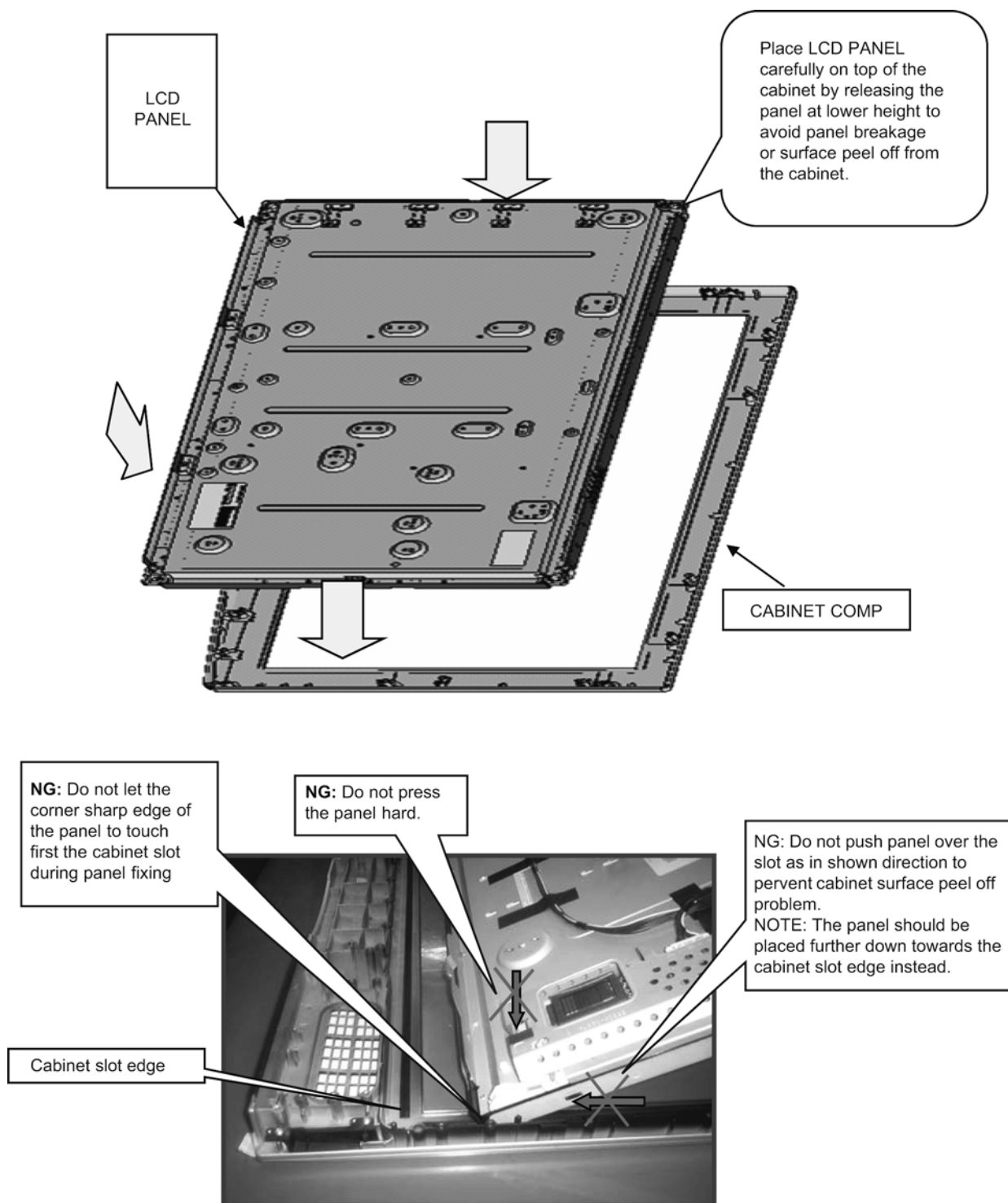
- 1. Fix SP BRACKET to panel.
- 2. Attach SP unit to SP BRACKET.



No	Description	Qty	UOM	Remarks
001	SP BRACKET	2	PC	
002	SPEAKER UNIT	2	PC	
003	SCREW (SP4)	4	PC	5 - 7Kgfc

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.

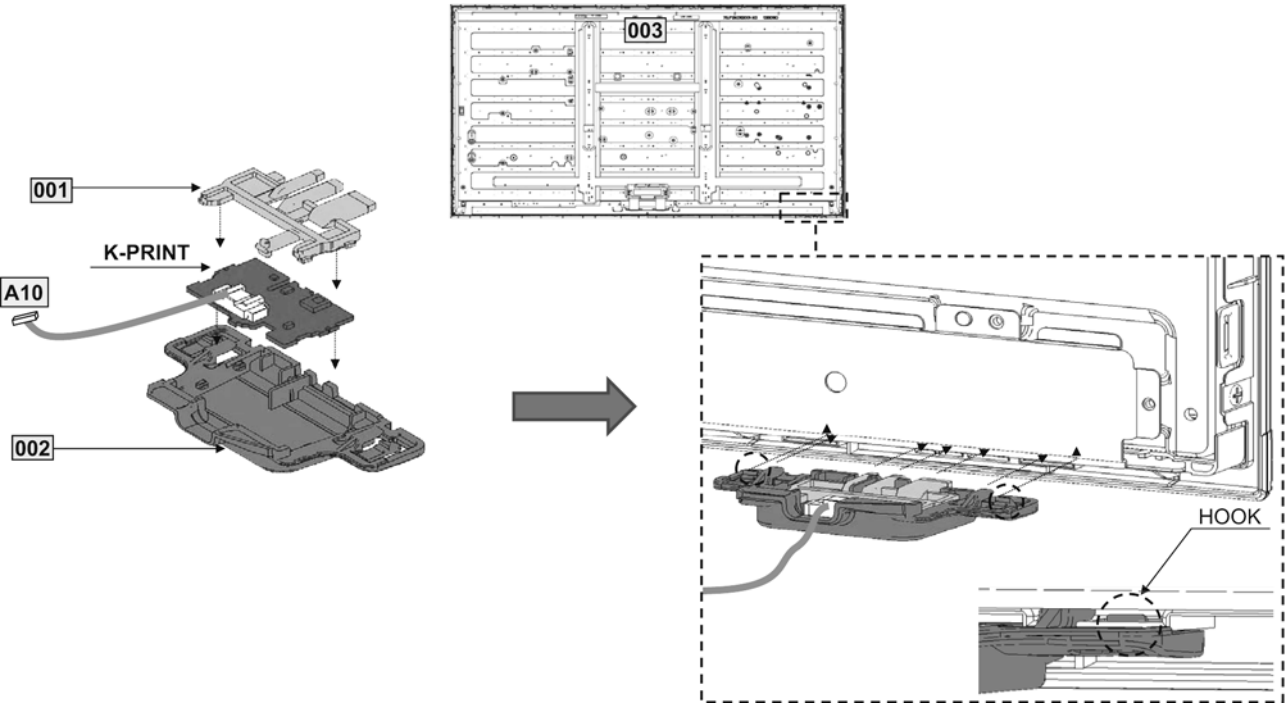


Other general precautions

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. LED Panel Assembly 1

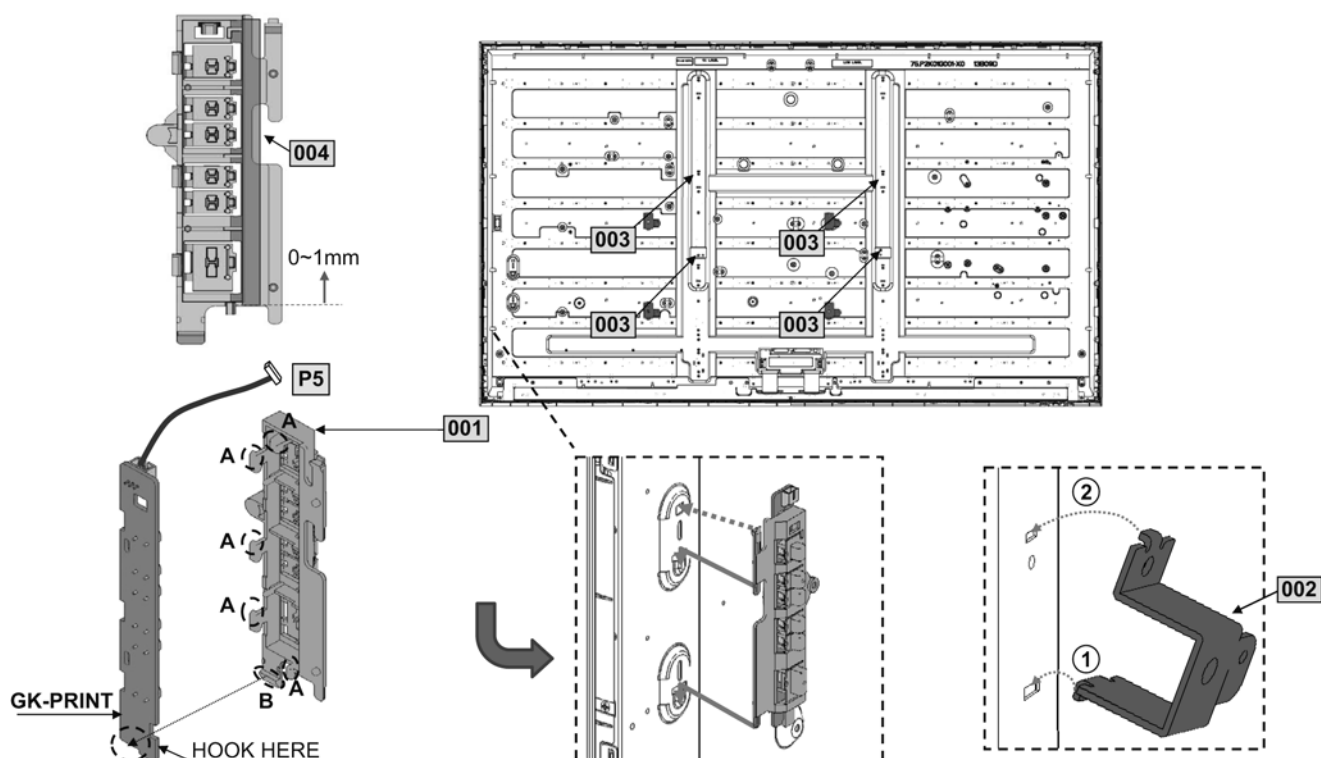
- 1. Connect wire A10-K10 to K-Print.
- 2. Insert K-Print to LED panel case.
- 3. Insert LED panel to LED panel case.
- 4. Fix LED panel assy with the help of hooks to cabinet.



No	Item	Description	Qty	UOM
001	TKK5ZC50501A	LED PANEL	1	PC
002	TKP5ZA41701	LED PANEL CASE	1	MT
003	L5EDDYY00610	LCD PANEL ASS'Y	1	PC

7.4. LED Panel Assembly 2

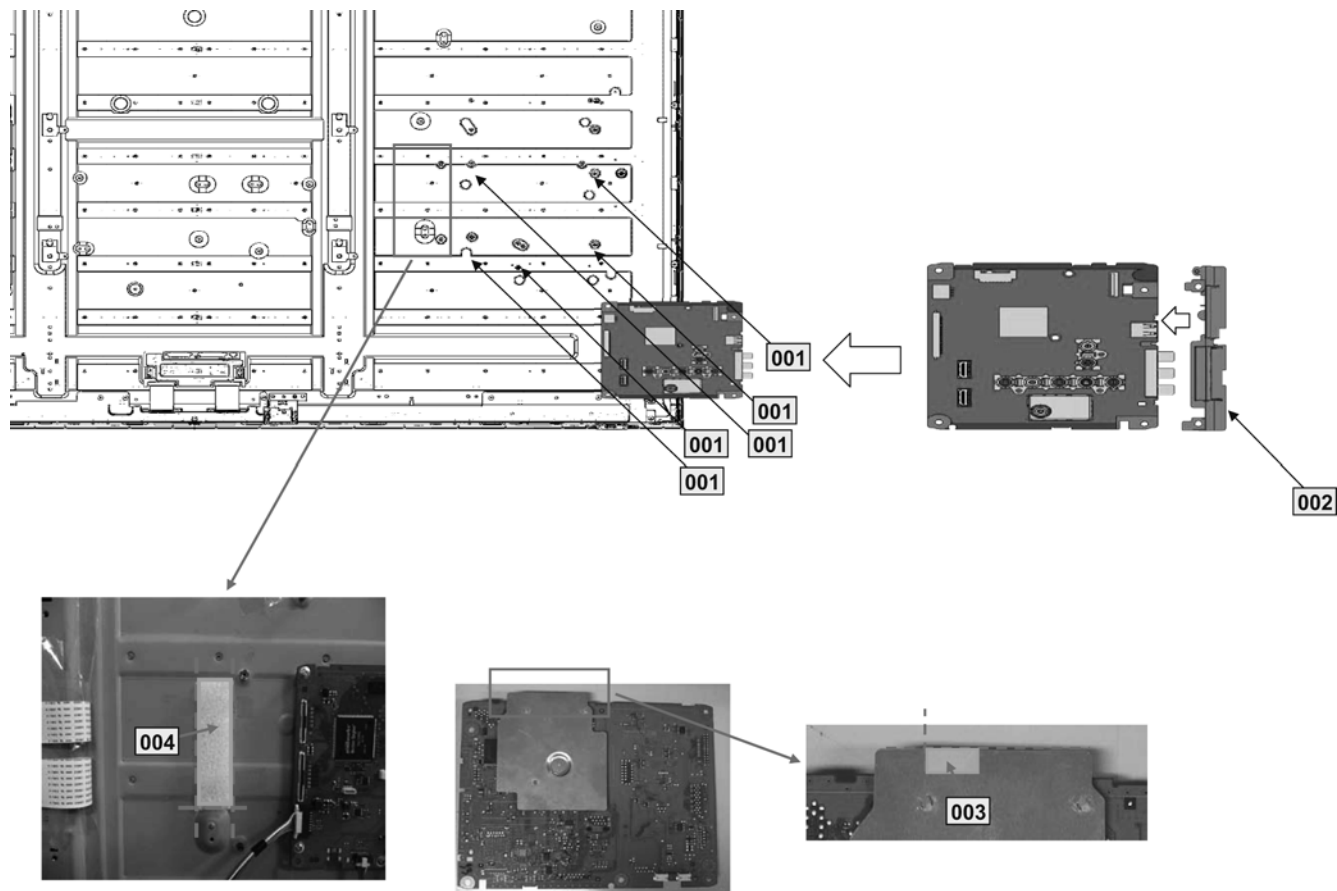
1. Connect the wire GK-P5 to GK-Print.
2. Insert Gk-Print into key button bracket. First put GK-Print under bosses 'A' and than fix it using the clip 'B'.
3. Put assy (key button bracket + GK-Print) to LCD panel.
4. Put vesa metals to LCD panel in that order ① → ② and than screw.



No	Item	Description	Qty	UOM	Remarks
001	TBX5ZA03301	KEY BUTTON BRACKET	1	PC	
002	TUX5ZX0371	VESA METAL	4	PC	
003	THEJ061J	SCREW (VESA4)	4	PC	5 - 7Kgfcmm
004	TMK4GA353	FELT (0.45 × 95 × 8)	1	PC	

7.5. A-Print Assy

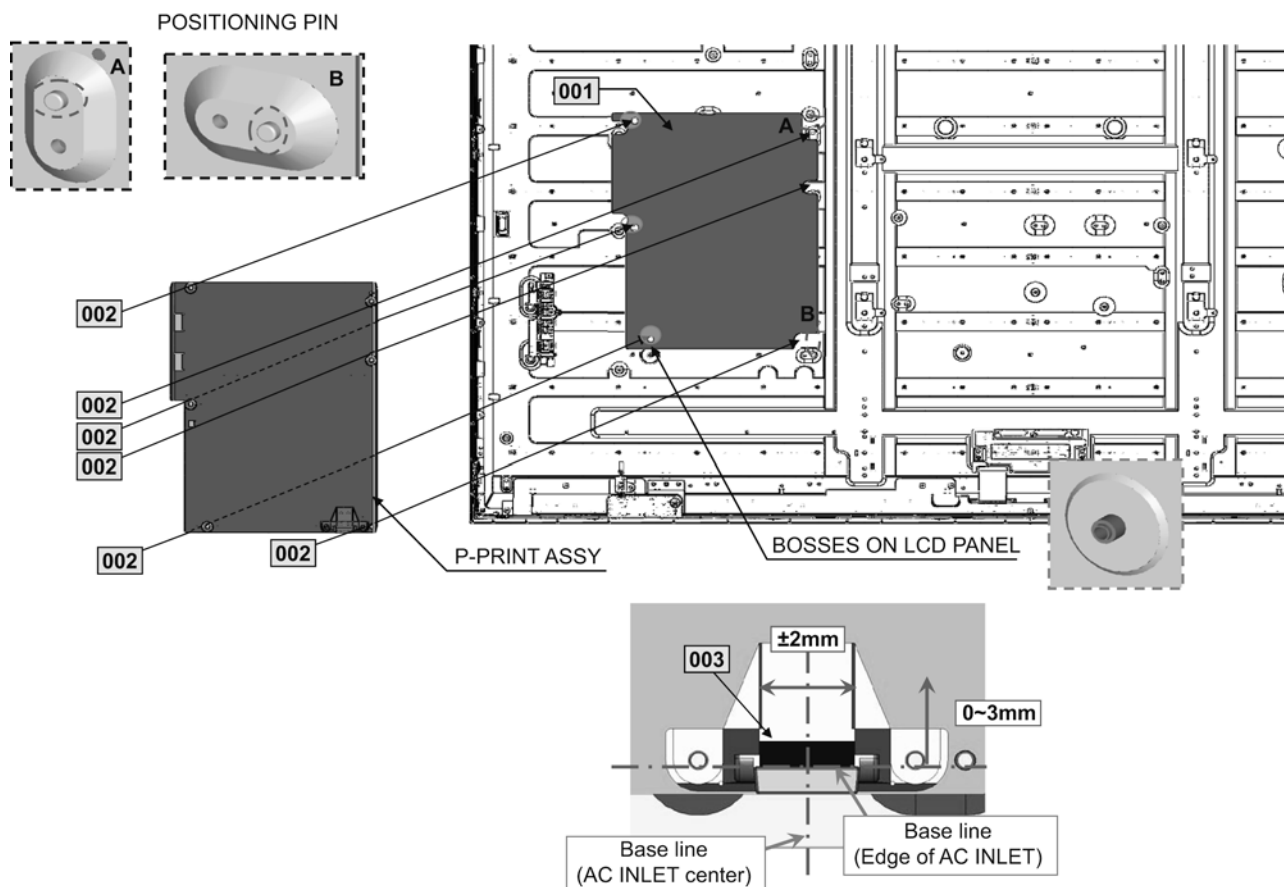
- 1. Fix Side AV Bracket to P-print.
- 2. Install P-Board to panel.
- 3. Stick GASKET to under P-print.
- 4. Stick SPONGE to panel.



No	Item	Description	Qty	UOM	Remarks
001	THEJ036J	SCREW(A5)	5	PC	5 - 7KgfcM
002	TKP5ZA32202	SIDE AV BRACKET	1	PC	
003	TEWB897	GASKET (T8*W10*L10)	1	PC	
004	TMK4GG063	SPONGE (T3*W25*L85)	41	PC	

7.6. P-Print Assy

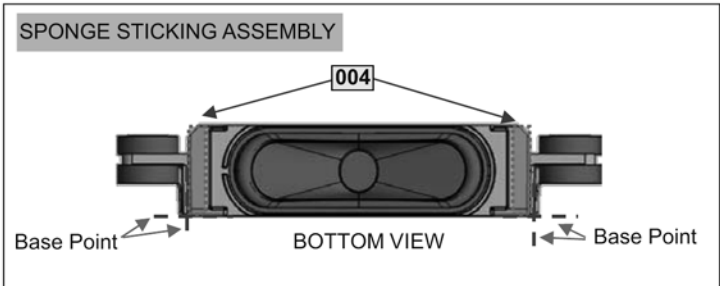
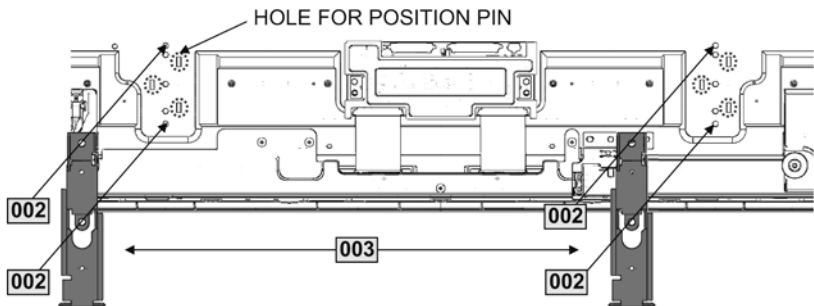
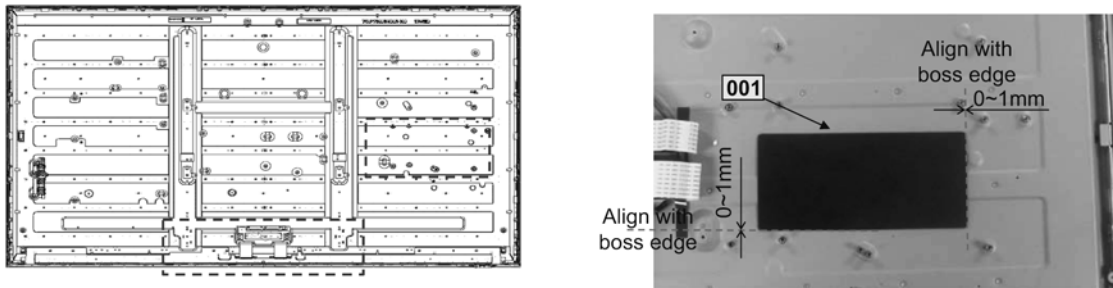
1. Install P-board.
2. Stick FELT on top of AC INLET.



No	Item	Description	Qty	UOM	Remarks
001	TMK5ZX087	BARRIER	1	PC	
002	THEJ036J	SCREW (P6)	6	PC	5 - 7Kgfc
003	TMK4GA351	FELT(0.45 × 20 × 10)	1	PC	

7.7. Metal Bracket Fixing

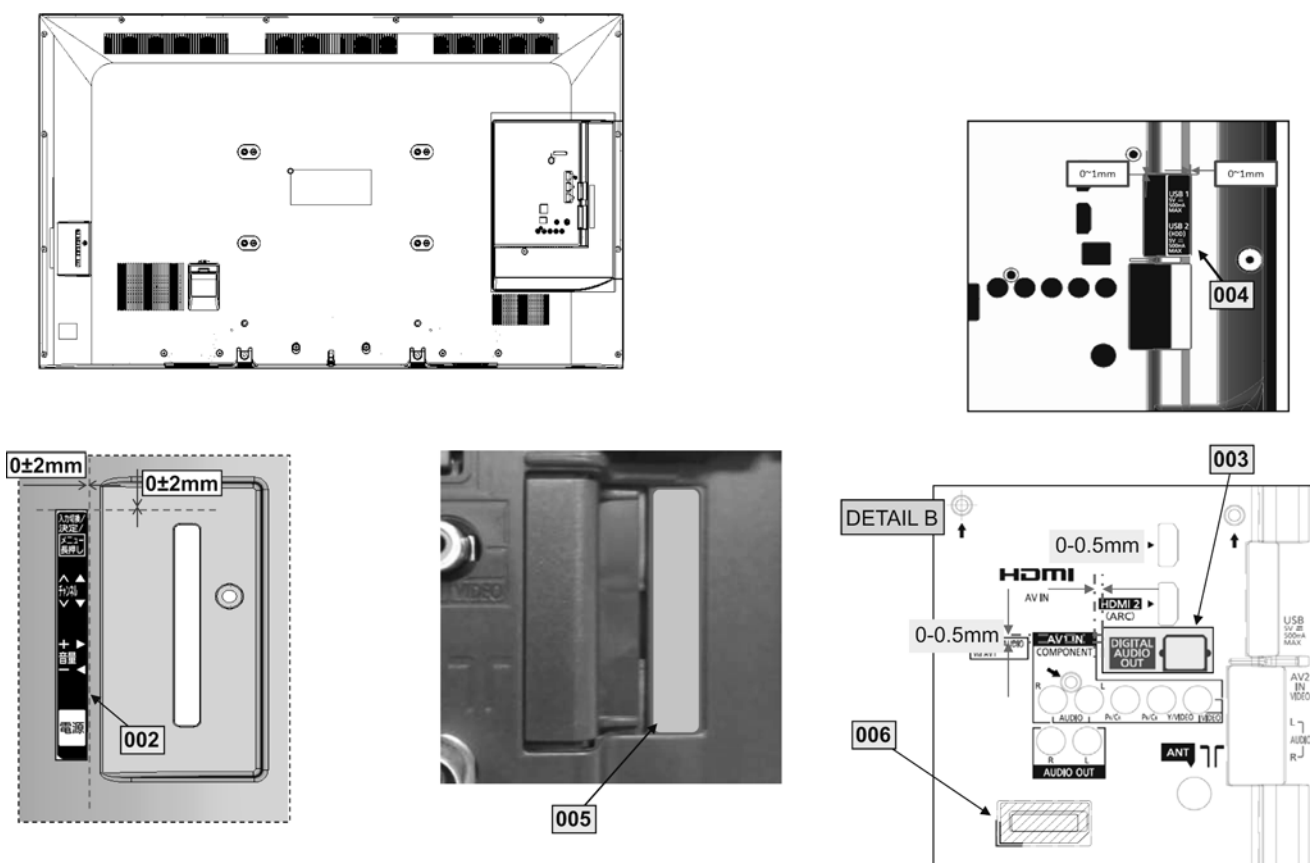
- 1. Stick BARRIER to panel.
- 2. Install BOTTOM METAL to panel.
- 3. Stick SPONGE to SP both side.



No	Description	Qty	UOM	Remarks
001	BARRIER (A-PCB)	1	PC	
002	SCREW (BTM4)	4	PC	5 - 7Kgfc/cm
003	BOTTOM METAL	2	PC	
004	SPONGE (22*5*T8)	4	PC	

7.8. Back Cover Assy 1

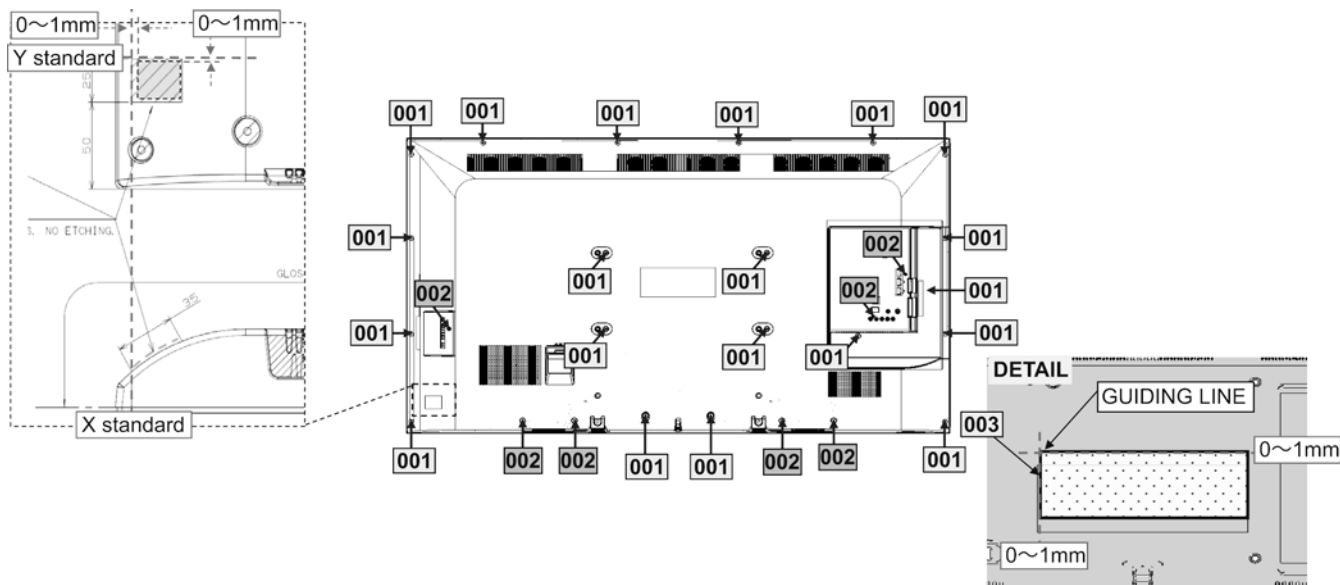
Stick all label to b/cover as picture below.



No	Item	Description	Qty	UOM
001	TKU5ZC07801	BACK COVER	1	PC
002	TBM4GU3151	KEY BUTTON SHEET	1	PC
003	TBM4GU3171	DIGITAL AUDIO BLIND SHEET	1	PC
004	TBM4GU3201	SIDE AV IND. SHEET	1	PC
005	TBM4GU3231	AUDIO SHEET	1	PC
006	TBM4GU113	ADJUSTMENT SHEET	1	PC

7.9. Back Cover Assy 2

Stick all label to b/cover as picture below.



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 (V)
PANEL12V	TP4000	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
FRC1.0V	TP9300	0.95V - 1.05V
FRC1.8V	TP9301	1.71V - 1.89V

8.2. Voltage chart of P-board

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

Output	Test Point	Specification	
		Step 1	Step 2
24V	TP7407	<1V	24 ± 1.2V
16V	TP7411	<1V	15.7 ± 0.6V
5VS	TP7501	5.2 ± 0.2V	5.2 ± 0.2V
PFC	TP7201	<340V	390V ± 15V

*HOT

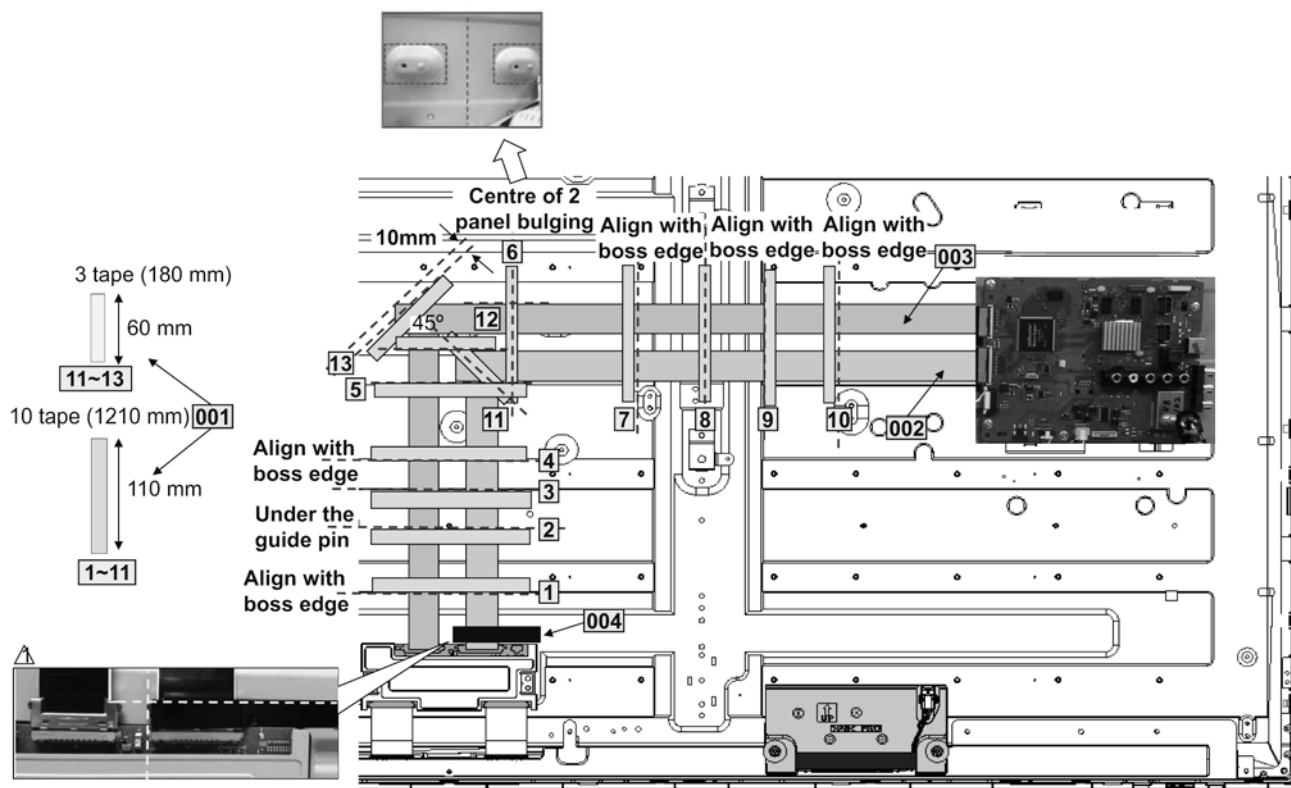
- Step 1 Supply AC 100V/230V to JK7101 connector in the P-Board. Main power button is OFF.
 Step 2 Supply DC 2.5V to TV_SUB_ON TP7416, displayed as SWITCH.



10 Wiring Connection Diagram

10.1. Wire Dressing 1

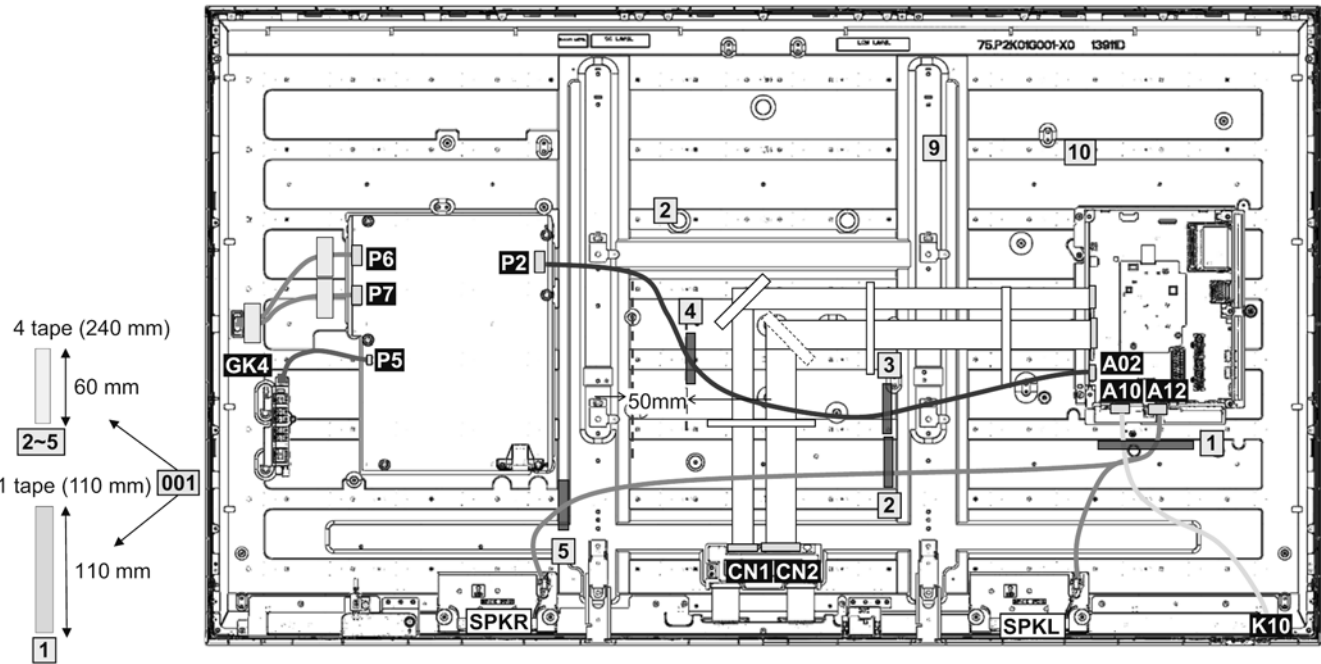
1. Do wire dressing to LVDS.
2. Stick Pet Tape according to picture.



No	Item	Description	Qty	UOM
001	T4FP1005J	PET TAPE (0.07*15/0.11*5)	1.6	MT
002	TSCKF0170109	LVDS CABLE	1	PC
003	TSCKF0170110	LVDS CABLE	1	PC
004	TEWF279	AL PET TAPE	1	PC

10.2. Wire Dressing 2

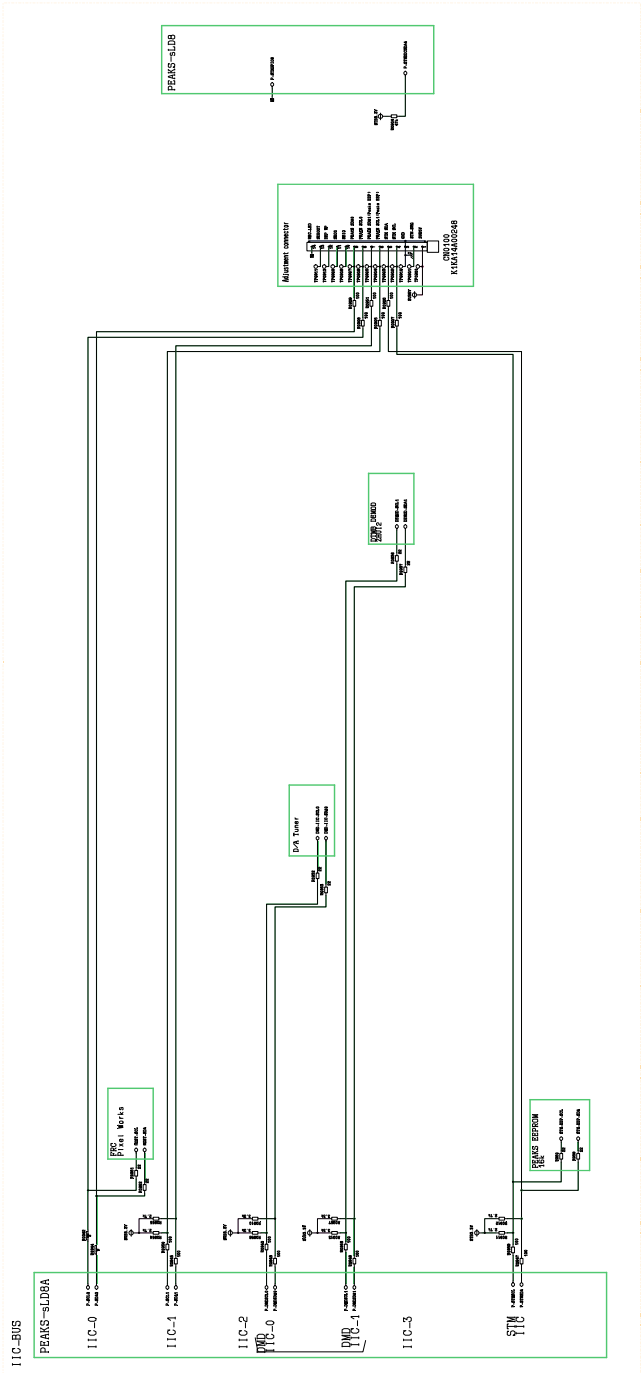
- 1. Do wire dressing to wire cable.
- 2. Stick PET Tape according to picture.



No	Item	Description	Qty	UOM
001	T4FP1005J	PET TAPE (0.07*15/0.11*5)	1.6	MT

11 Schematic Diagram

Model No. : TH-60A430R A-Board (1/18)



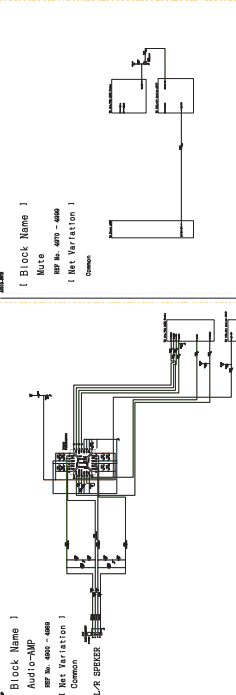
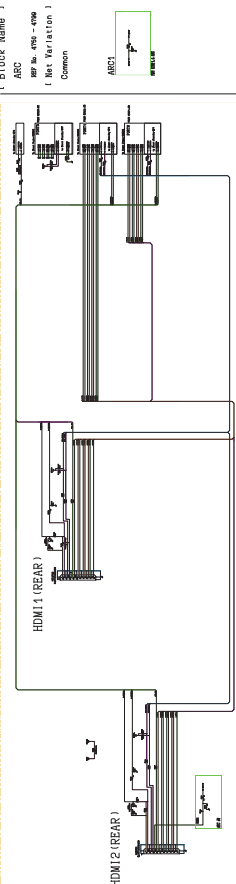
SHEET 002

IIC Net

REF No. 0900 - 0999

[Net Variation]

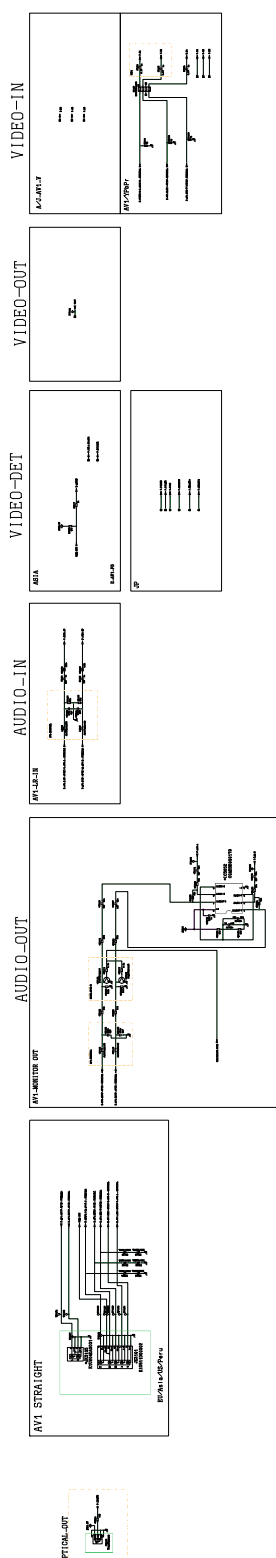
Each PCB



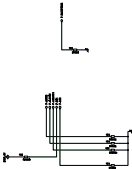
SHEET 004

AVSW

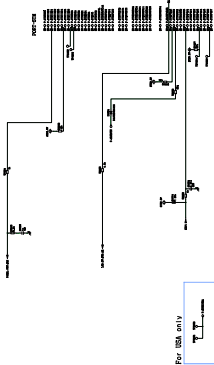
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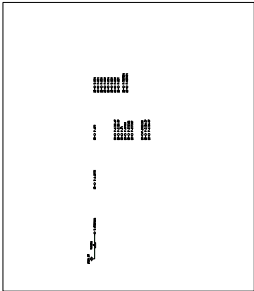
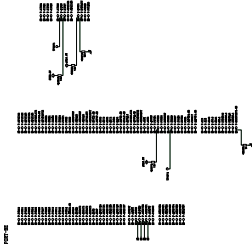
SHEET 005
PEAKS-OTHER
REF No. 8800 - 8849
(Net Variation)
Common



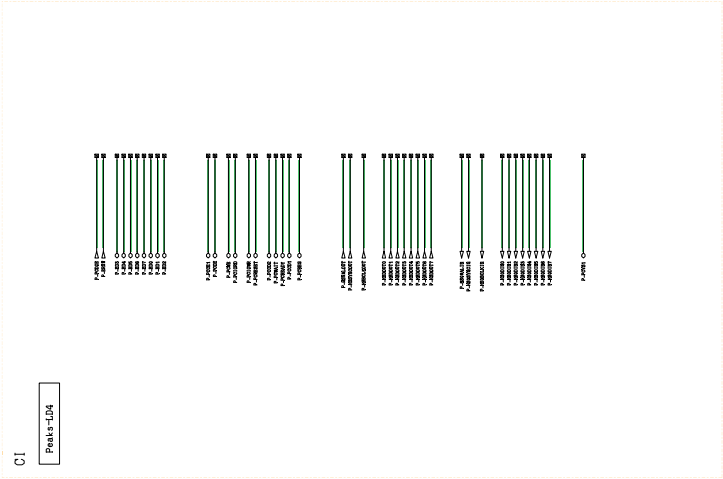
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STM Port
REF No. 8850 - 8870
(Net Variation)
Common



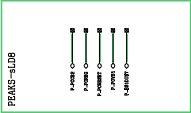
[Block Name]
Peaks Port
REF No. 8870 - 8899
(Net Variation)
Common



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



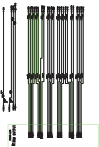
[Block Name]
B-CAS
REF No. 2700 - 2749
[Net Variation]



SHEET 009

LVS-IP7-CON

(See Variation 1)

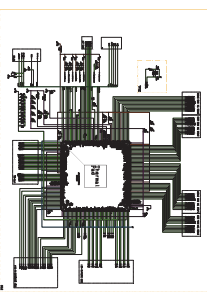


(Block Name)

TPW4307 006-ah

PCB-L102-21

(See Variation 1)



(Block Name)

TPW4307 006-ah

PCB-L102-21

(See Variation 1)



(Block Name)

TPW4307 006-ah

PCB-L102-21

(See Variation 1)



(Block Name)

TPW4307 006-ah

PCB-L102-21

(See Variation 1)



(Block Name)

TPW4307 006-ah

PCB-L102-21

(See Variation 1)



(Block Name)

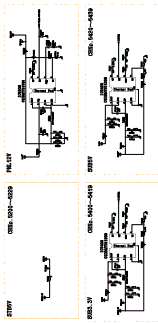
TPW4307 006-ah

PCB-L102-21

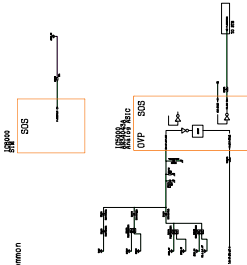
(See Variation 1)



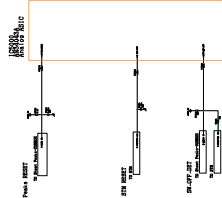
SHEET 100
POWER-Mode!
REF No. 5200 - 5240
(Net Variation)
LCD



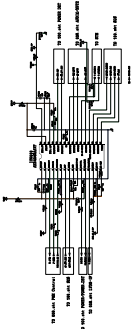
[Block Name]
SOS
REF No. 5170 - 5199
(Net Variation)
Common



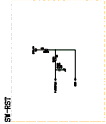
[Block Name]
POWER-SET
REF No. 5140 - 5169
(Net Variation)
Common



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



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



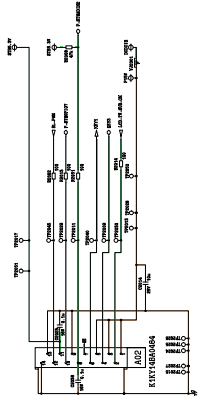
SHEET 101
SET

REF No. 2000 – 2299

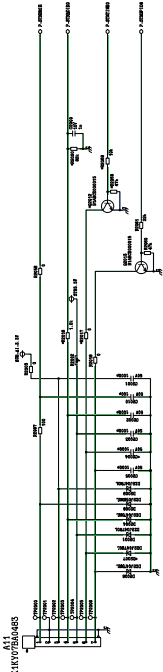
[Net Variation]

TNPH0993

to P-PCB



to K-PCB



SHEET 102
POWER FOR TV+FE

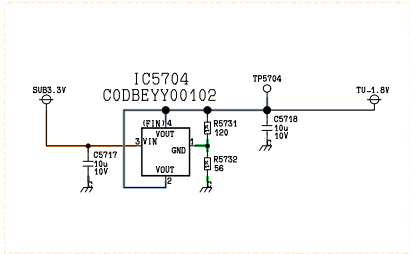
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[Net Variation]

sLD8

POWER-FE

TU-1.8V

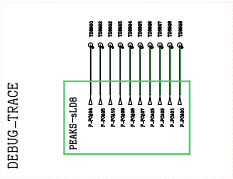
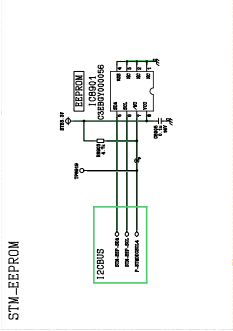
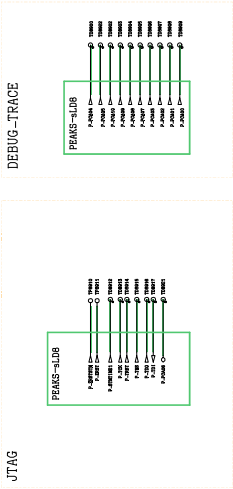
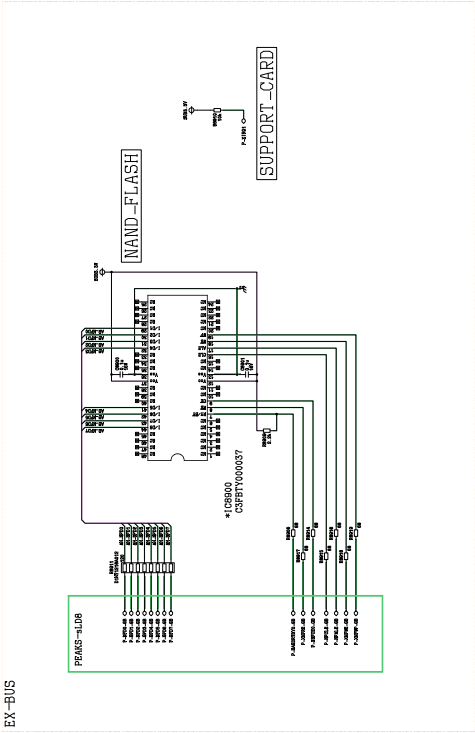


SHEET 300
COMMON_NAND/SPC/EEPROM/JTAG

REF No.

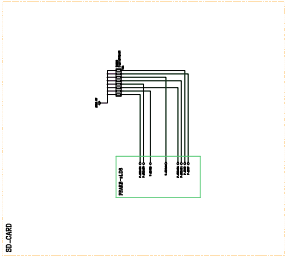
[Net Variation]

Common



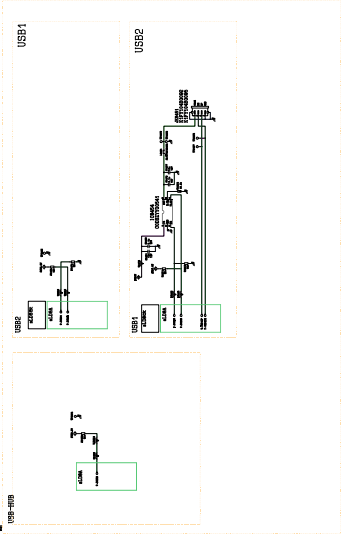
[Block Name]
SD
REF No. 8660 - 8699
[Net Variation]

SHEET 301
COMMON-EtherPHY/USB/SD



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

Common



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

Common

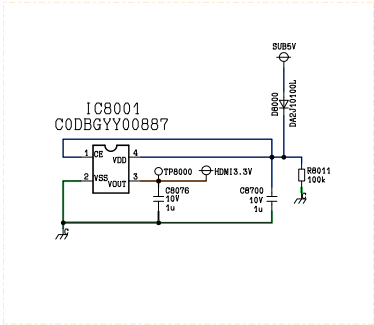


SHEET 302

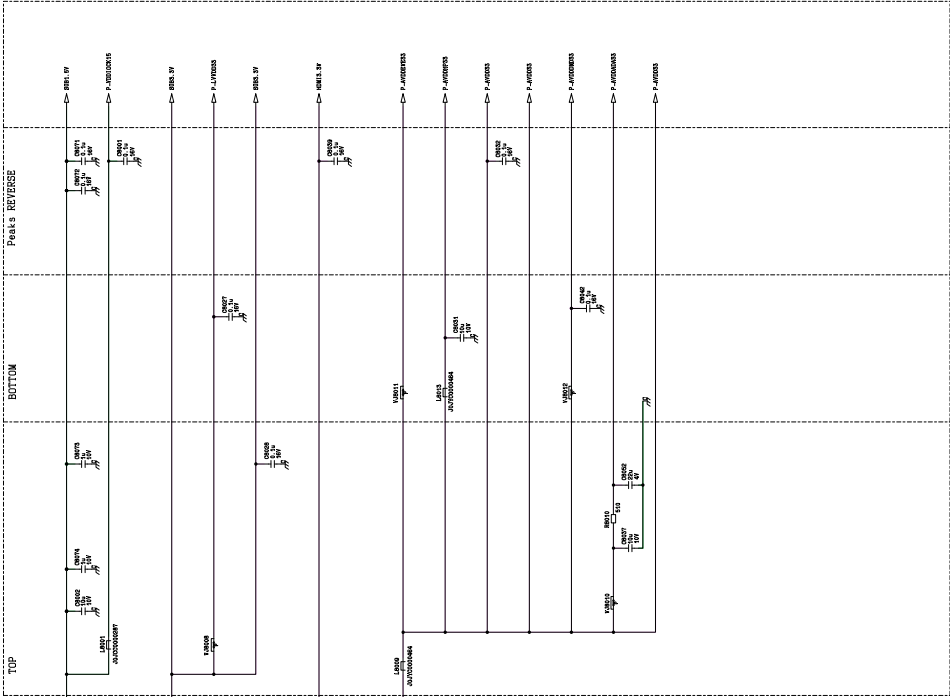
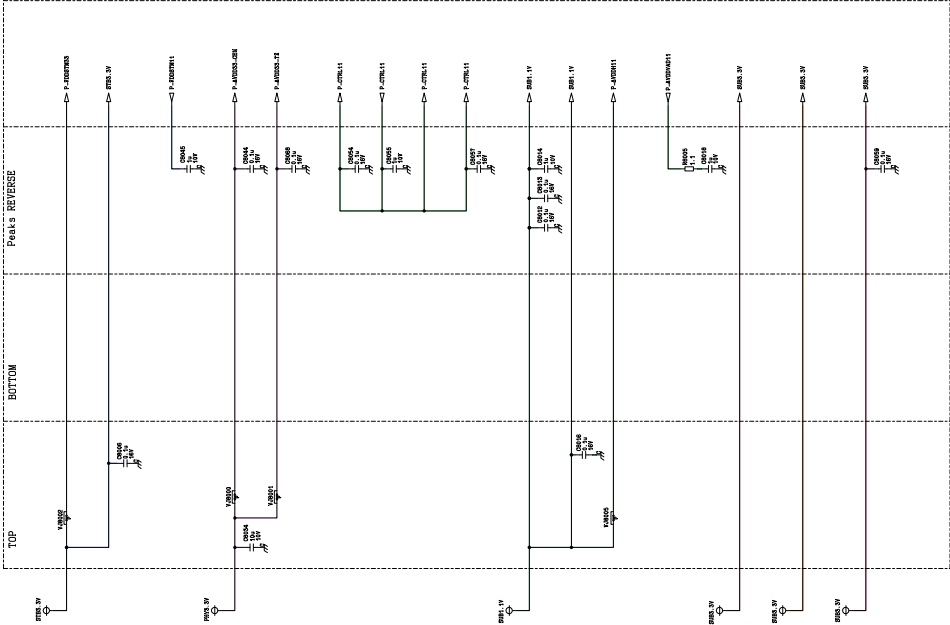
POWER-Peaks

REF No. 8000 - 8999

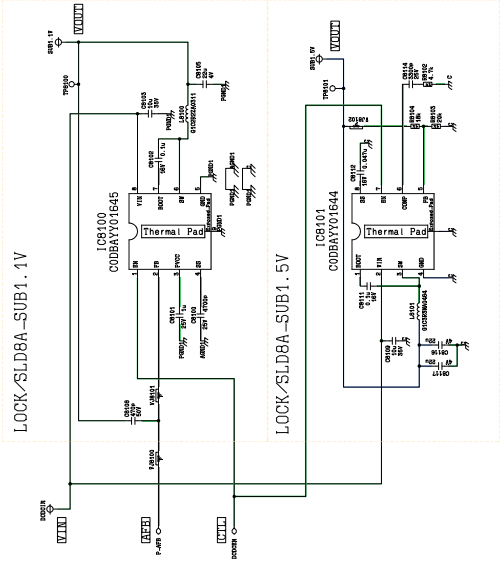
AVDDH3.3V



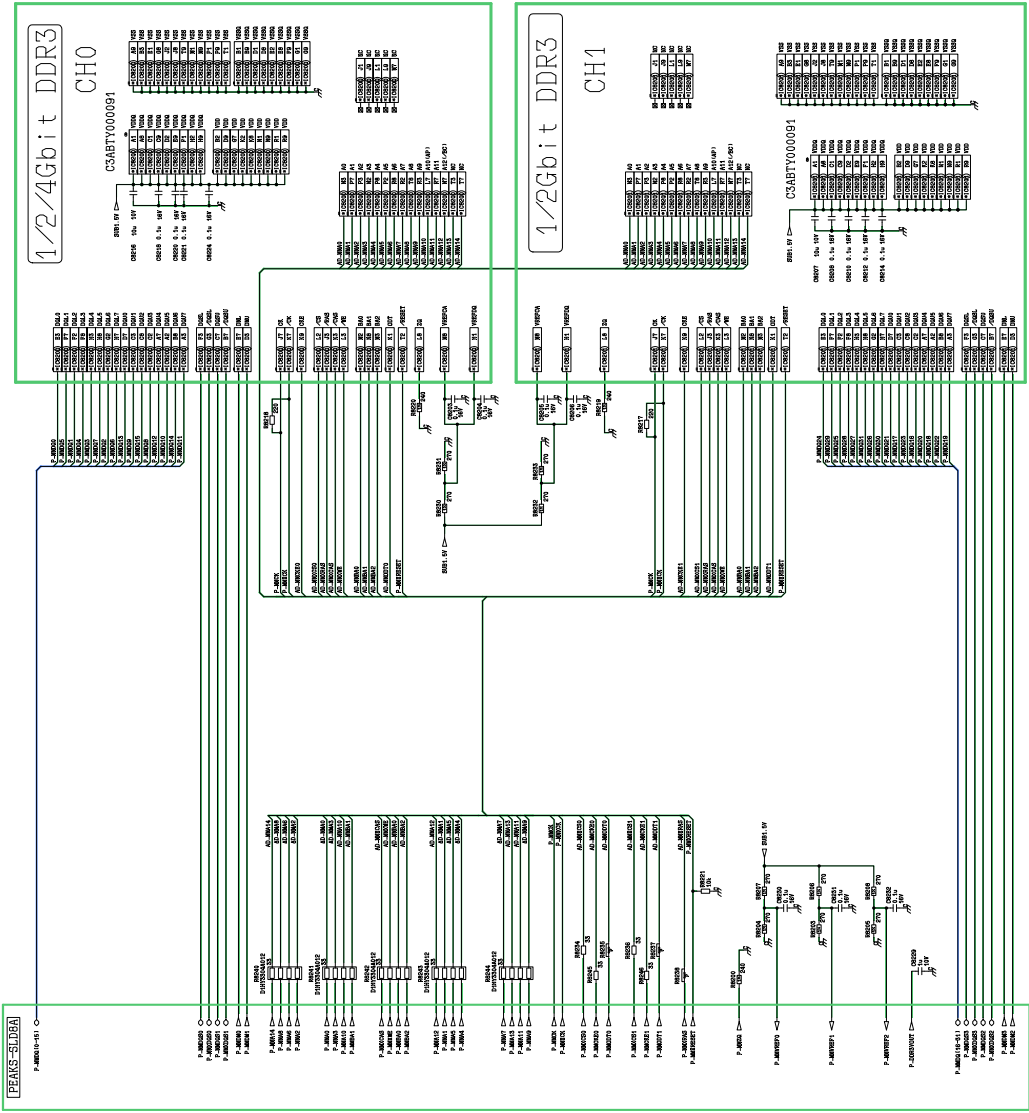
LOCK/SLD8A_POWER



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

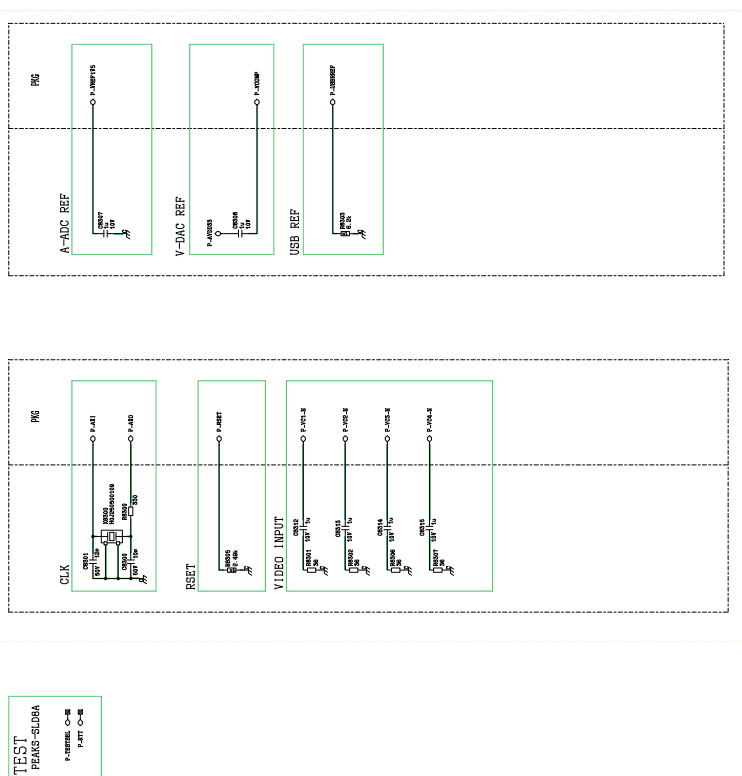


LOCK-SLD8A-DDR3



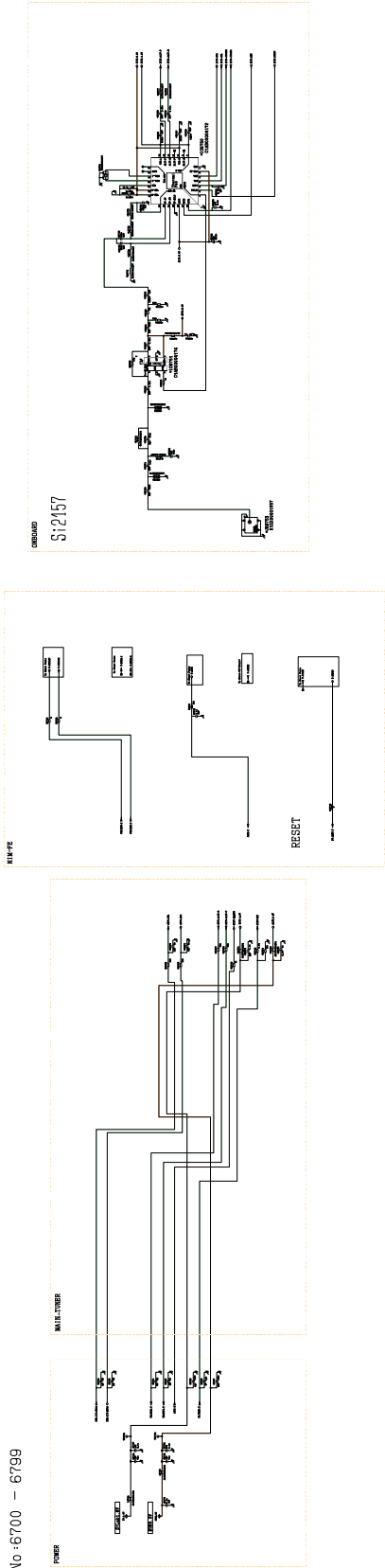
SHEET 703
LOCK-DDR3
CRNo:8200 - 8299

LOCK/SLD8A-DEST

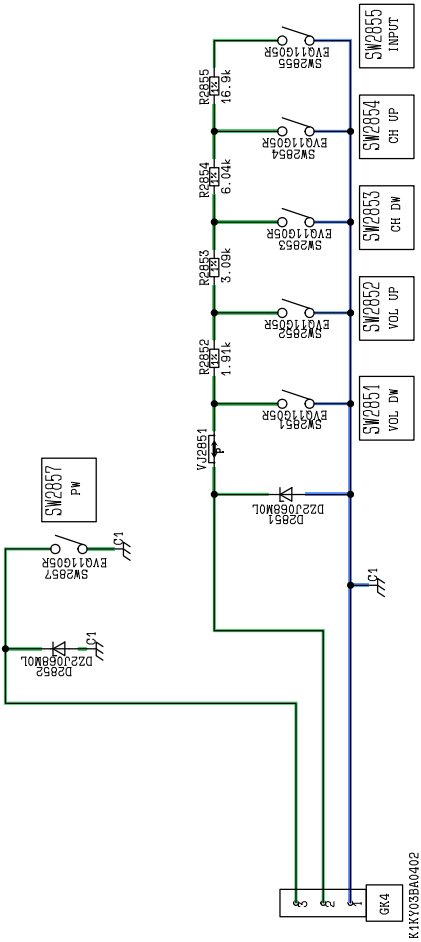


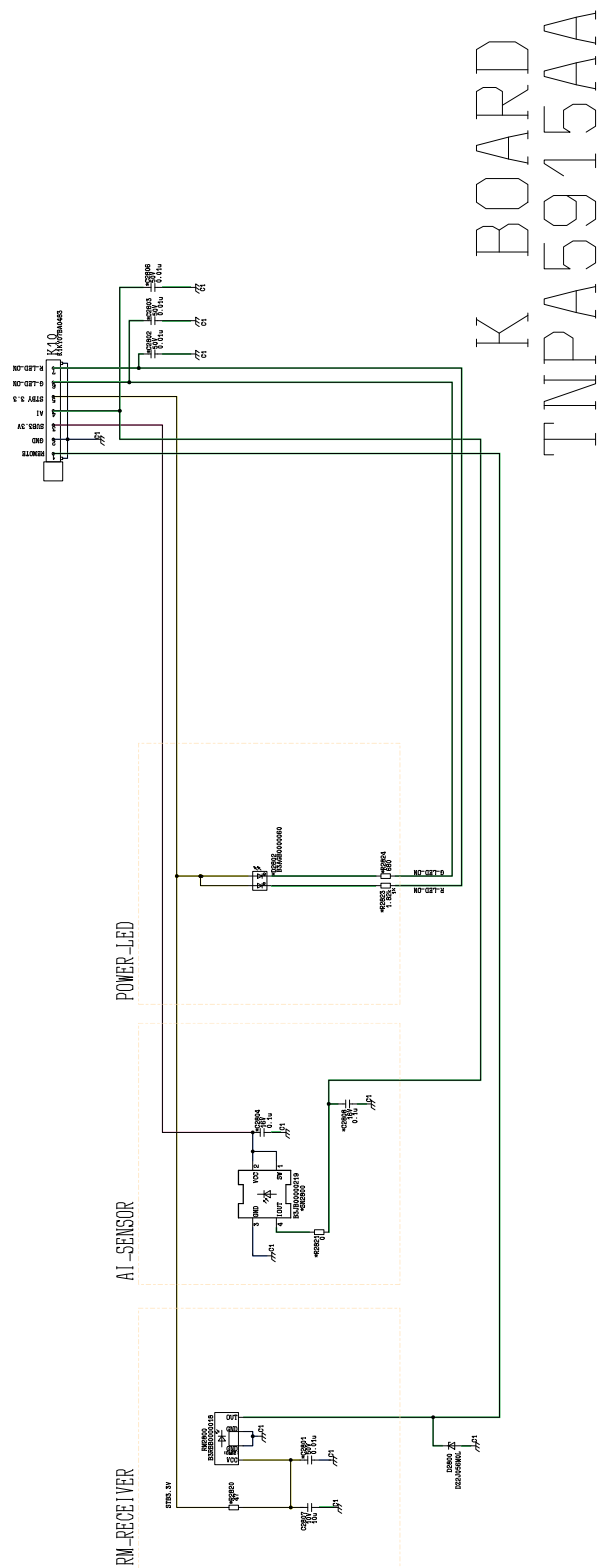
SHEET 704
LOCK-PEAKS-DEST
CRNo:8300 - 8399

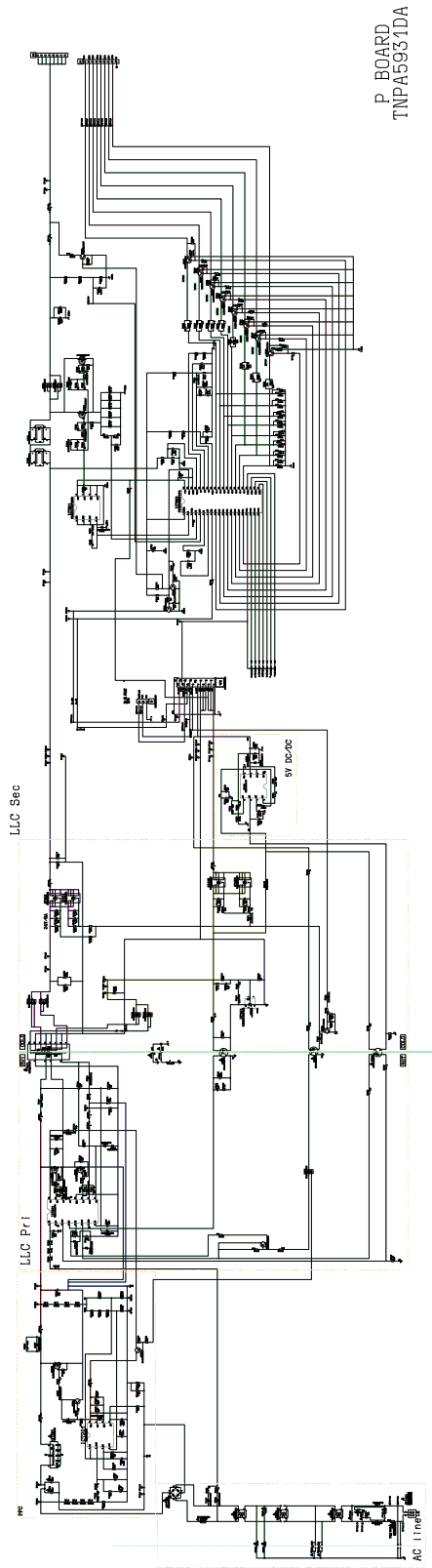
SHEET 706
TUNER
CRNG 6700 - 6799



GK BOARD TNP A5943AA

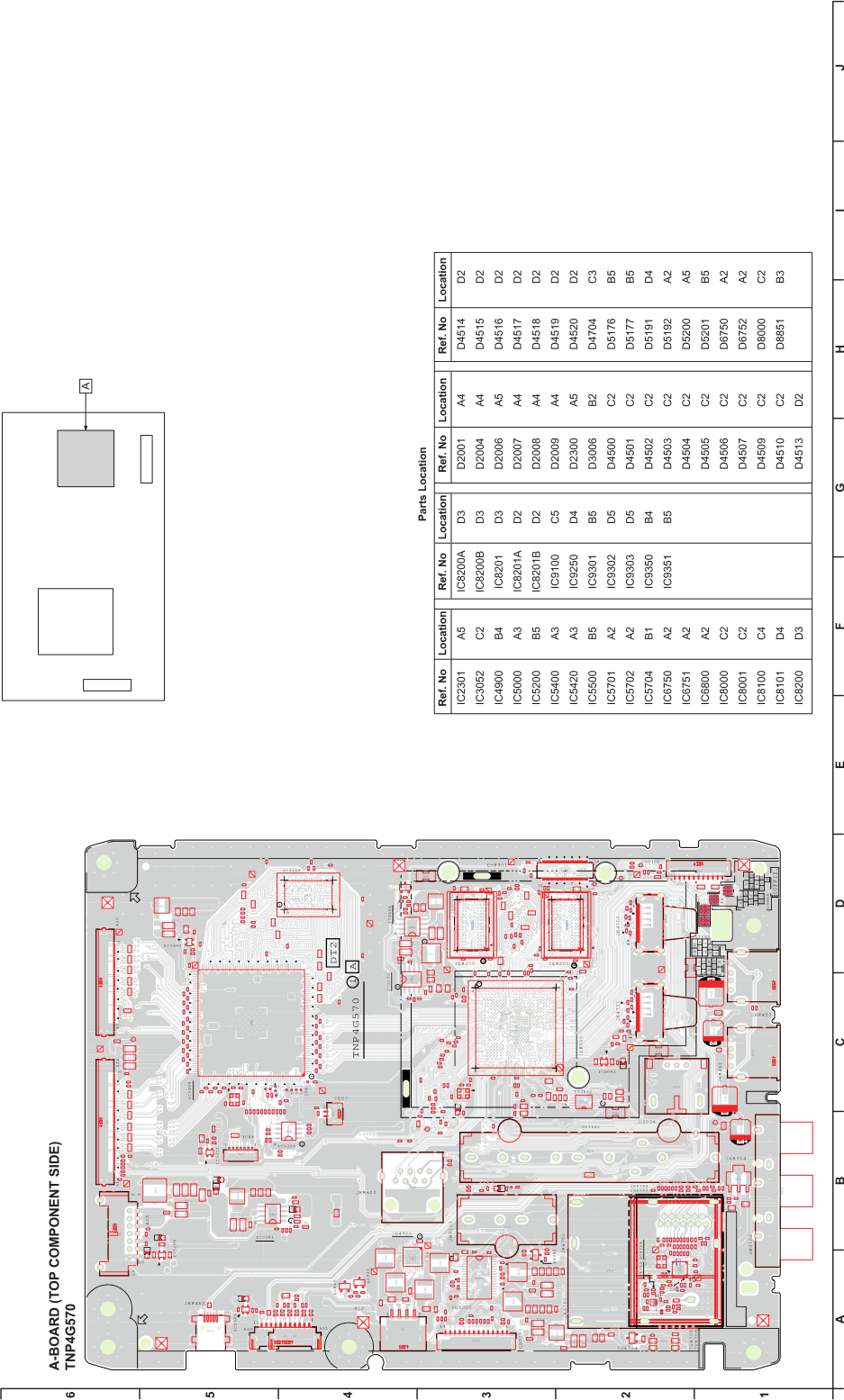


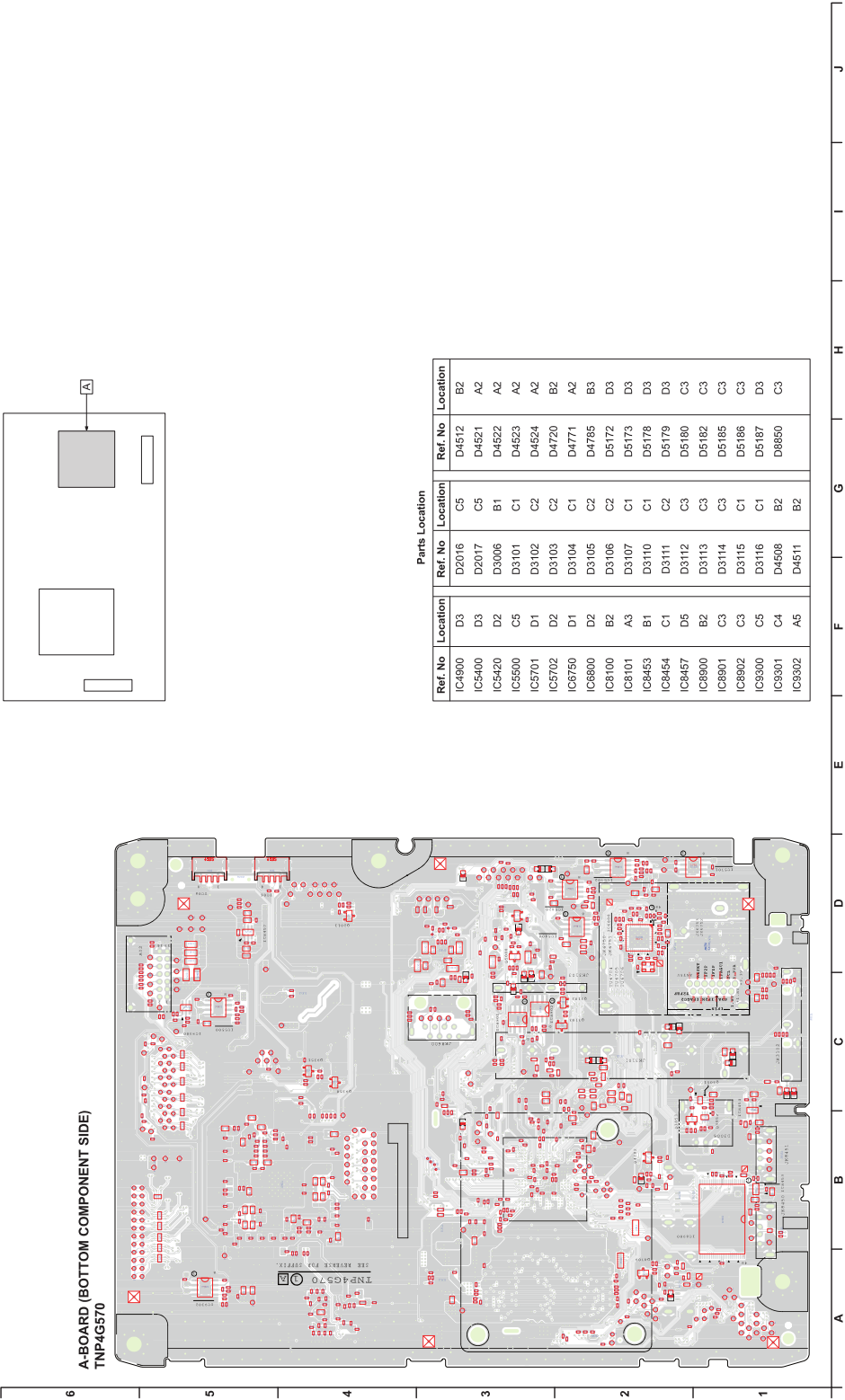


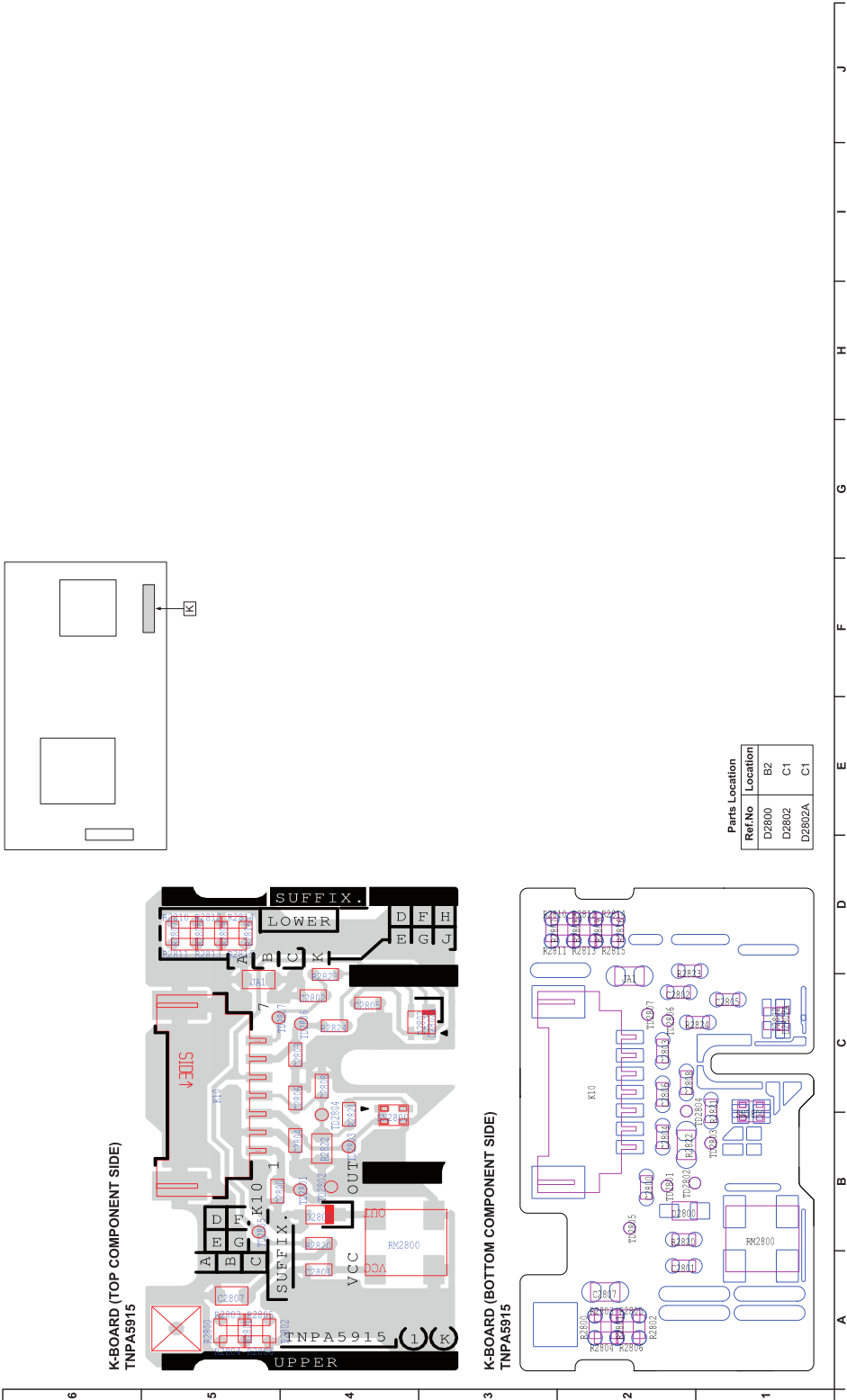


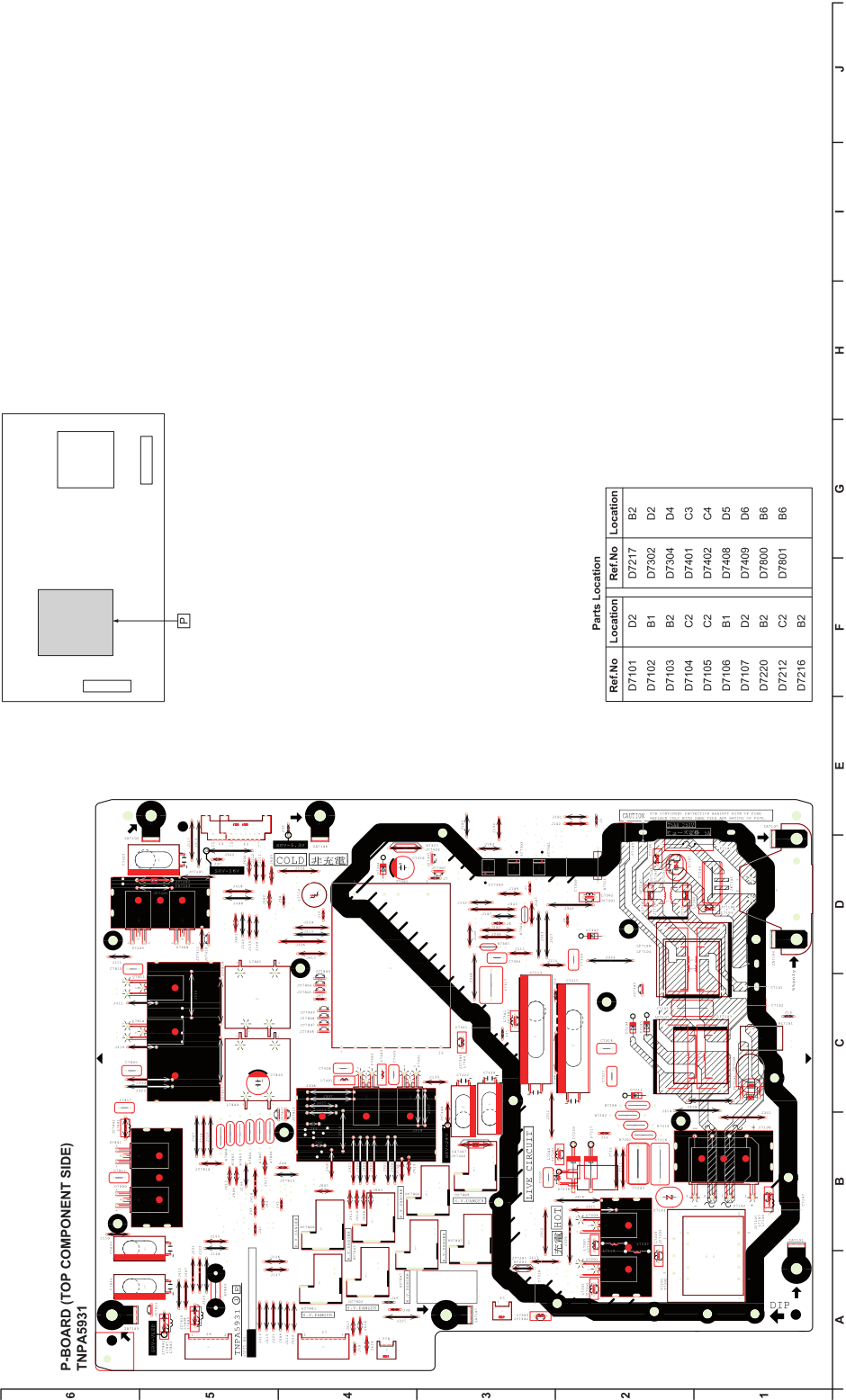
12 Printed Circuit Board

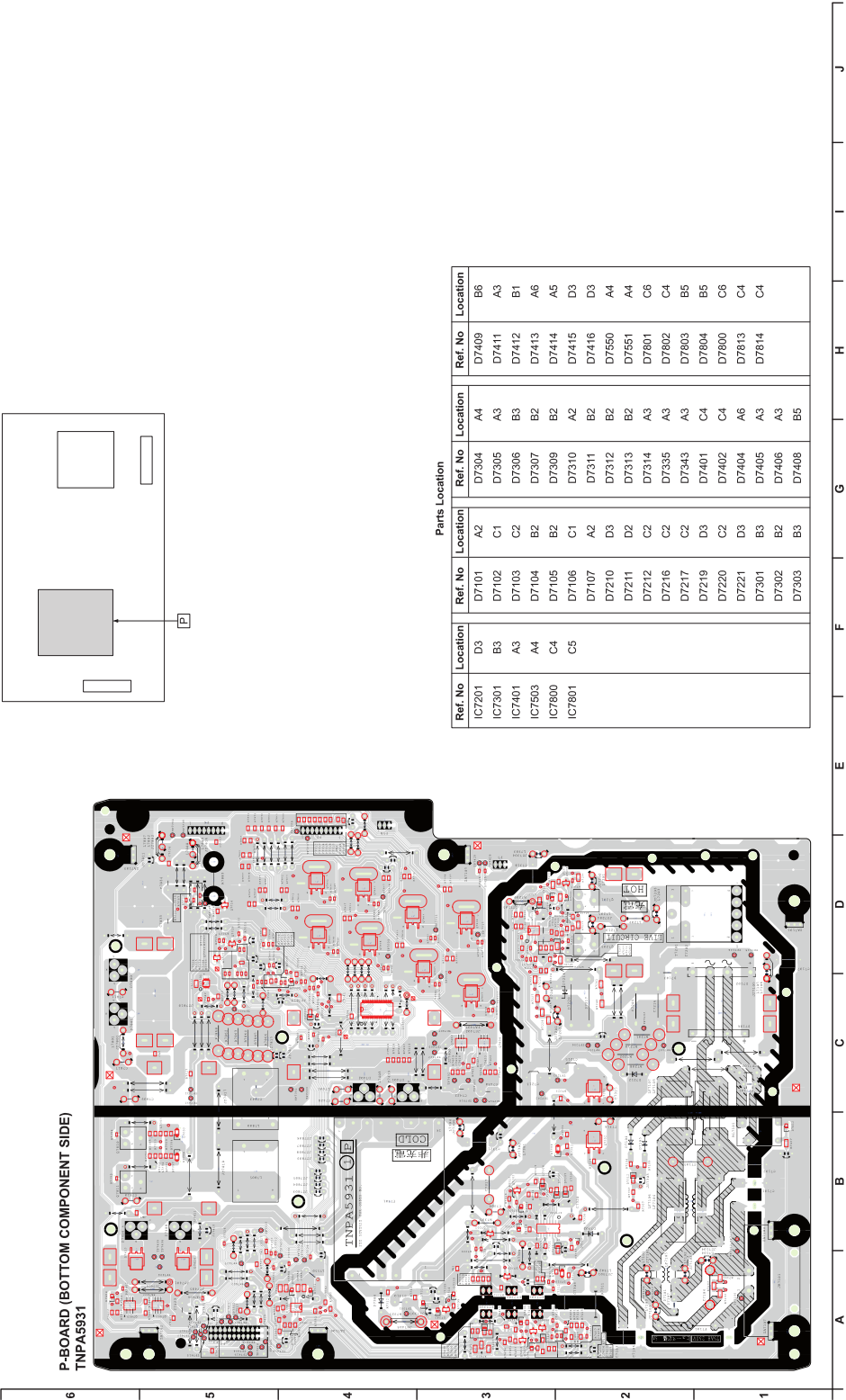
Model No. : TH-60A430R A-Board (Top Component Side)





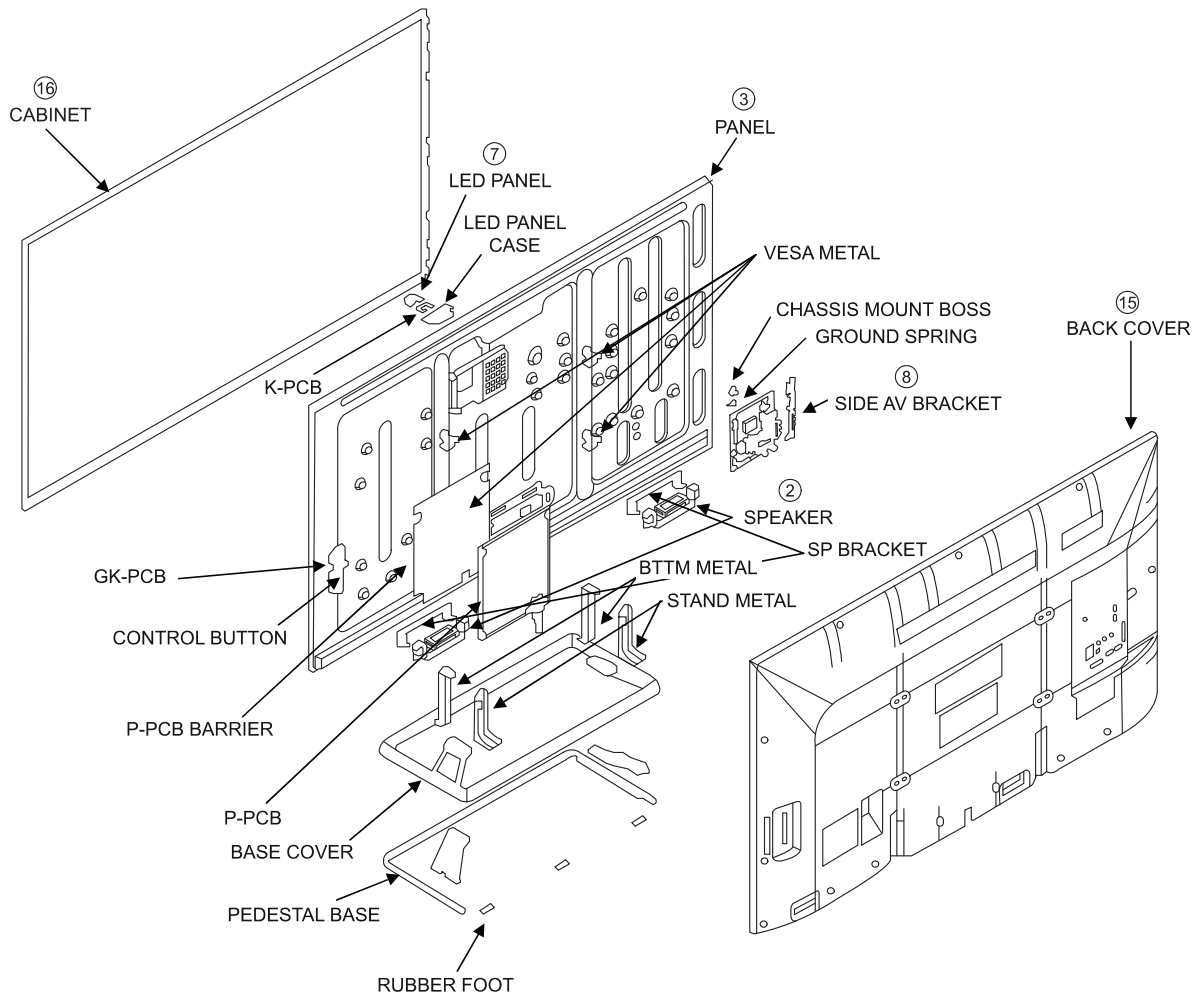






13 Exploded View and Replacement Parts List

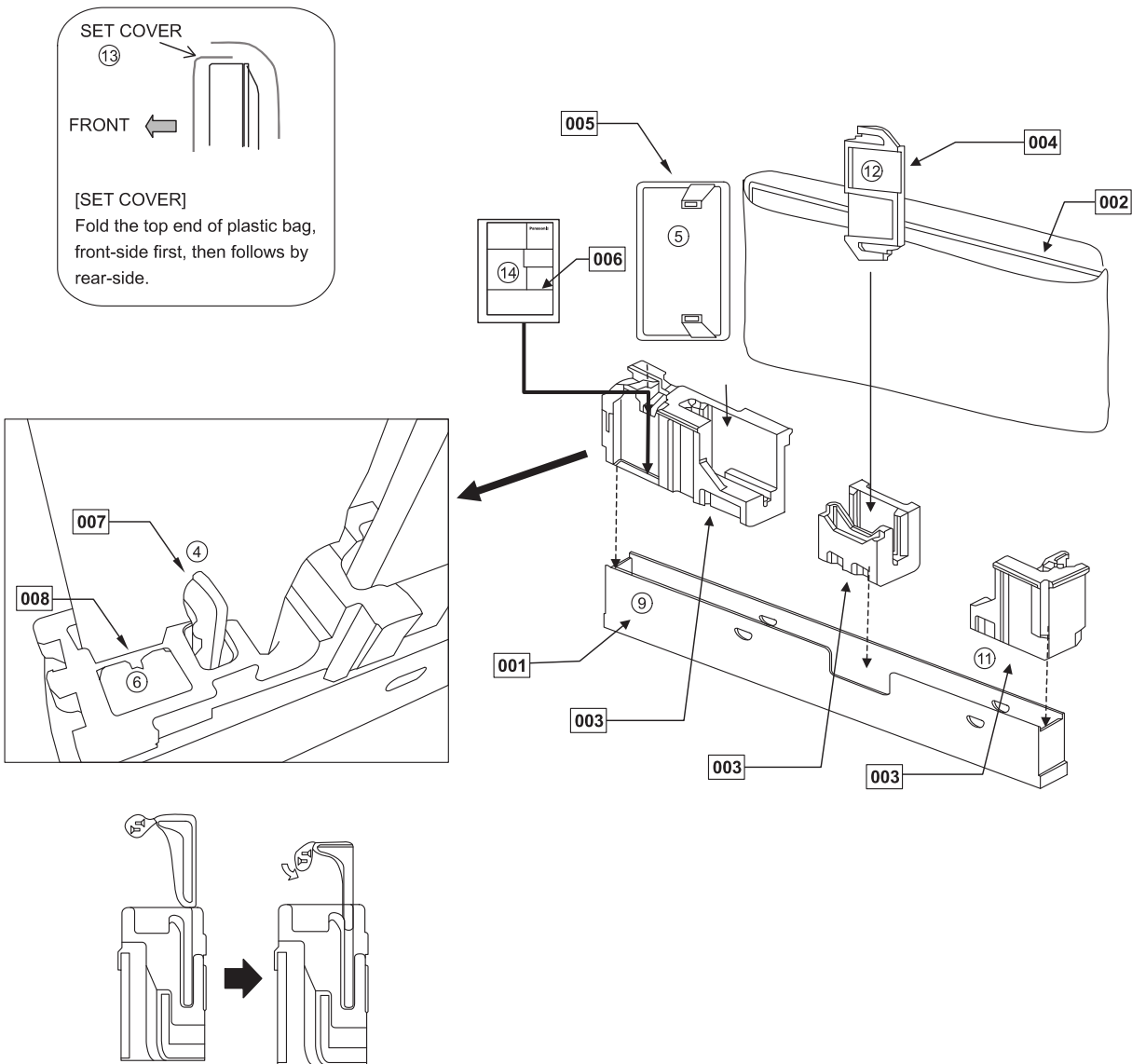
Model No. : TH-60A430R Parts Location



Model No. : TH-60A430R Packing Exploded View 1

- 1. Tape bottom flap of packing case with PP Tape.
- 2. Fix the bottom cushion into Packing Case.
- 3. Locate and fix the LCD set at bottom cushion firmly.
- 4. Locate and fix the Pedestal Ass'y at bottom cushion firmly.

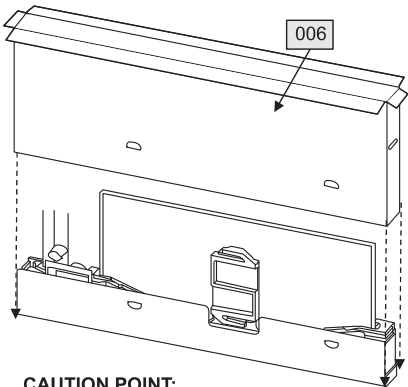
No	Part No	Description	Qty	UOM
001	TPC4GA28401	CARTON BOTTOM	1	PC
002	TPE4GH064	SET COVER	1	PC
003	TPD4GA05201	CUSHION_BOTTOM	1	PC
004	TPD4GA05211	CUSHION FRONT	1	PC
005	TBL5ZX08281	PEDESTAL ASSY	1	PC
006	TQZ4GB829	FAN BAG ASSY	1	PC
007	N2QAYB000825	REMOTE TRANSMITTER	1	PC
008	TBL5ZX08911	STAND METAL ASSY	1	PC



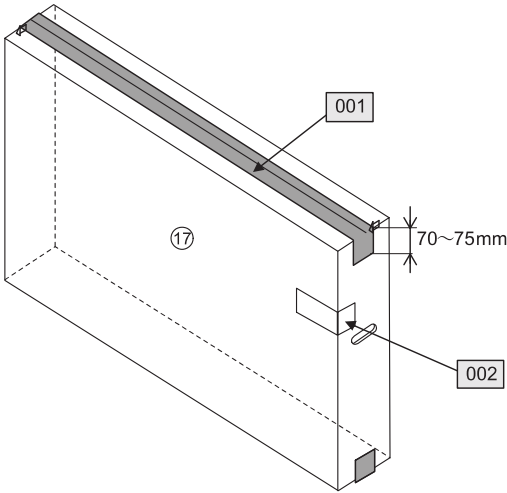
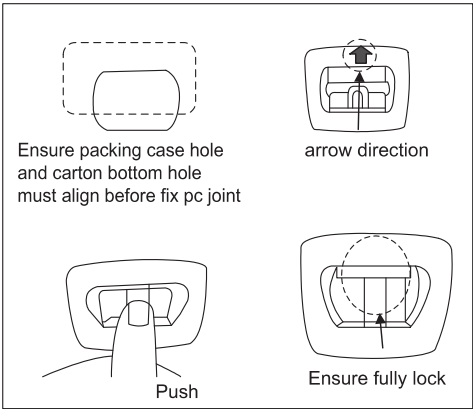
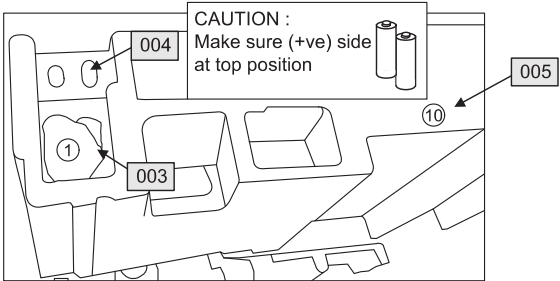
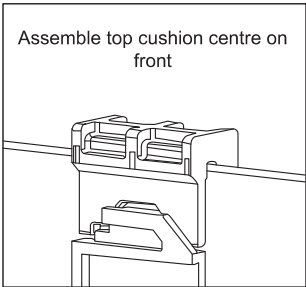
Model No. : TH-60A430R Packing Exploded View 2

Locate accessories into top & btm cushion accordingly.

No	Part No	Description	Qty	UOM
001	T5EJ28720	PP_TAPE(CARTON_TOP)	1.87	MT
002	TQF4GK120	CARTON LABEL	1	PC
003	K2CJ2YY00087	AC CORD	1	PC
004	R6UWC/2SKD	BATTERY	1	PC
005	TPD4GA05191	CUSHION_TOP	1	PC
006	TPC4GA28301	CARTON	1	PC



CAUTION POINT:
Make sure fan bag not damage during this operation.



Model No. : TH-60A430R 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		
		C2038	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	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		
		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		
		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		
		C5012	F1G1A105A080	C 1UF, 10V		
		C5020	F1G1C104A146	C 0.1UF 16V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		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	F1G1E472A172	C 4700PF, 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	F1G1H102A946	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		
		C6777	F1G0J105A049	C 1UF, 6.3V		
		C6778	F1G1C104A146	C 0.1UF 16V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		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		
		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	F1H1H102B052	C 1000PF, 50V		
		C7203	F1H1H104B047	C 0.1UF, 50V		
		C7204	F1J1E474A272	C 0.47UF, 25V		
		C7205	F1J1H103A900	C 0.01UF, 50V		
		C7206	F1J1E475A257	C 4.7UF, 25V		
		C7207	F1A3A471A060	C 470PF 1KV		
		C7208	F1J1H104A902	C 0.1UF, 50V		
		C7214	F1J1H103A900	C 0.01UF, 50V		
		C7215	F2A2W7700001	C 77UF, 450V		
		C7216	ECWFD2W105KC	C 1UF, 450V		
		C7220	F1J1H223A900	C 0.022UF, 50V		
		C7302	F1J1H104A902	C 0.1UF, 50V		
		C7303	F1J1H104A902	C 0.1UF, 50V		
		C7304	F1A3A471A060	C 470PF 1KV		
		C7305	F1J1H105A919	C 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		
		C7315	F1A3A221A060	C 220PF 1KV		
		C7316	F1A3A221A060	C 220PF 1KV		
		C7317	ECWH8473HAC	C 0.047UF, 800V		
		C7320	F1A3A152A060	C 470PF, 1KV		
		C7321	F1AAF471A019	C 470PF, 240V		
		C7416	F1J1C475A225	C 4.7UF, 10V		
		C7417	F1J1C474A238	C 0.47UF, 16V		
		C7418	F1H1H104B047	C 0.1UF, 50V		
		C7422	F2A1V6810043	C 680UF, 35V		
		C7423	F2AZZ2220001	C 2200UF, 50V		
		C7429	F1J1C475A225	C 4.7UF, 10V		
		C7430	F2A1V6810043	C 680UF, 35V		
		C7432	F1J1C475A225	C 4.7UF, 10V		
		C7433	F1J1C475A225	C 4.7UF, 10V		
		C7434	F1J1C475A225	C 4.7UF, 10V		
		C7436	F1H1H104B047	C 0.1UF, 50V		
		C7438	F1J1C474A238	C 0.47UF, 16V		
		C7551	F1K1E106A167	C 10UF, 25V		
		C7552	F1K1E106A167	C 10UF, 25V		
		C7554	F1J1H221A906	C 220PF, 50V		
		C7555	F1K1E106A167	C 10UF, 25V		
		C7556	F1K1E106A167	C 10UF, 25V		
		C7560	F1J1H104A902	C 0.1UF, 50V		
		C7562	F1J1H104A902	C 0.1UF, 50V		
		C7563	F1J1H104A902	C 0.1UF, 50V		
		C7802	F1H1C224A178	C 0.22 uF 16 V		
		C7803	F1H1E104A161	C 0.1UF, 25V		
		C7804	F1H1H103B047	C 0.01UF, 50V		
		C7805	F1H1H103B047	C 0.01UF, 50V		
		C7806	F1J1E105A287	C 1UF, 25V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C7807	F1J1H104A902	C 0.1UF, 50V		
		C7808	F1H1H102B048	C 1000PF, 50V		
		C7811	F1A3A471A060	C 470PF 1KV		
		C7812	F1J2E1030004	C 0.1PF, J,250V		
		C7813	F1J2E1030004	C 0.1PF, J,250V		
		C7814	F1J2E1030004	C 0.1PF, J,250V		
		C7815	F1J2E1030004	C 0.1PF, J,250V		
		C7816	F1J2E1030004	C 0.1PF, J,250V		
		C7818	F1J2E1030004	C 0.1PF, J,250V		
		C7819	F1J2E1030004	C 0.1PF, J,250V		
		C7820	F1J2E1030004	C 0.1PF, J,250V		
		C7833	F2A2A1010047	C 100UF, 100V		
		C7834	F2A2A1010047	C 100UF, 100V		
		C7835	F1H1H103B047	C 0.01UF, 50V		
		C7836	F1J2E1020002	C 1000PF, 250V		
		C7838	F1K1E105A167	C 1UF, 25V		
		C7839	F1J1H102A909	C 1000PF, 50V		
		C7840	F1H1H103B047	C 0.01UF, 50V		
		C7841	F1K1E105A167	C 1UF, 25V		
		C7842	F1H1H102B048	C 1000PF, 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		
		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		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		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		
		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		
		C9052	F1K1V106A010	C 10UF, 25V		
		C9053	F1G1E103A172	C 0.01UF, 25V		
		C9054	F1G1H1R5A831	C 1.5PF, 50V		
		C9055	F1G1H1R5A831	C 1.5PF, 50V		
		C9056	F1G1H1R5A831	C 1.5PF, 50V		
		C9057	F1G1H1R5A831	C 1.5PF, 50V		
		C9102	F1G1C104A146	C 0.1UF 16V		
		C9103	F1G1C104A146	C 0.1UF 16V		
		C9105	F1G1H471A830	C 470PF, 50V		
		C9106	F1G1C104A146	C 0.1UF 16V		
		C9112	F1G1C104A146	C 0.1UF 16V		
		C9114	F1G1C104A146	C 0.1UF 16V		
		C9116	F1G1H471A830	C 470PF, 50V		
		C9117	F1G1H471A830	C 470PF, 50V		
		C9118	F1G1H471A830	C 470PF, 50V		
		C9119	F1G1A105A047	C 1UF 10V		
		C9122	F1G1H471A830	C 470PF, 50V		
		C9123	F1G1H471A830	C 470PF, 50V		
		C9124	F1G1H471A830	C 470PF, 50V		
		C9128	F1G1A105A047	C 1UF 10V		
		C9131	F1G1H471A830	C 470PF, 50V		
		C9133	F1G1H471A830	C 470PF, 50V		
		C9134	F1G1H471A830	C 470PF, 50V		
		C9135	F1G1H471A830	C 470PF, 50V		
		C9136	F1G1C104A146	C 0.1UF 16V		
		C9138	F1G1A105A047	C 1UF 10V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C9139	F1G1A105A047	C 1UF 10V		
		C9140	F1G1C104A146	C 0.1UF 16V		
		C9142	F1G1C104A146	C 0.1UF 16V		
		C9146	F1G1C104A146	C 0.1UF 16V		
		C9147	F1G1C104A146	C 0.1UF 16V		
		C9152	F1G1C103A173	C 0.01UF, 16V		
		C9154	F1G1C104A146	C 0.1UF 16V		
		C9156	F1J1A106A043	C 10UF, 10V		
		C9157	F1J0G2260001	C 22 UF 4 V		
		C9159	F1J0G2260001	C 22 UF 4 V		
		C9160	F1J1A106A043	C 10UF, 10V		
		C9162	F1G1C104A146	C 0.1UF 16V		
		C9163	F1G1H120A948	C 12PF, 50V		
		C9164	F1G1C104A146	C 0.1UF 16V		
		C9165	F1G1C104A146	C 0.1UF 16V		
		C9166	F1G1C104A146	C 0.1UF 16V		
		C9167	F1G1C104A146	C 0.1UF 16V		
		C9168	F1G1C104A146	C 0.1UF 16V		
		C9169	F1G1H120A948	C 12PF, 50V		
		C9170	F1J0G2260001	C 22 UF 4 V		
		C9171	F1J0G2260001	C 22 UF 4 V		
		C9172	F1J0G2260001	C 22 UF 4 V		
		C9173	F1J0G2260001	C 22 UF 4 V		
		C9174	F1J0G2260001	C 22 UF 4 V		
		C9182	F1J0G2260001	C 22 UF 4 V		
		C9183	F1G1H471A830	C 470PF, 50V		
		C9184	F1G1C104A146	C 0.1UF 16V		
		C9250	F1G1H471A830	C 470PF, 50V		
		C9251	F1G1C104A146	C 0.1UF 16V		
		C9252	F1G1C104A146	C 0.1UF 16V		
		C9253	F1G1H471A830	C 470PF, 50V		
		C9254	F1J0G2260001	C 22 UF 4 V		
		C9256	F1G1C104A146	C 0.1UF 16V		
		C9258	F1G1C104A146	C 0.1UF 16V		
		C9259	F1G1C104A146	C 0.1UF 16V		
		C9261	F1G1C104A146	C 0.1UF 16V		
		C9262	F1G1C104A146	C 0.1UF 16V		
		C9266	F1G1H471A830	C 470PF, 50V		
		C9275	F1G1H471A830	C 470PF, 50V		
		C9278	F1G1H471A830	C 470PF, 50V		
		C9279	F1G1A105A047	C 1UF 10V		
		C9280	F1G1C104A146	C 0.1UF 16V		
		C9303	F1H1C105A167	C 1UF, 10V		
		C9304	F1G1C683A146	C 0.068UF, 16V		
		C9309	F1G1C104A146	C 0.1UF 16V		
		C9313	F1K1V106A010	C 10UF, 25V		
		C9317	F1J0G2260001	C 22 UF 4 V		
		C9319	F1J0G2260001	C 22 UF 4 V		
		C9323	F1J1A106A043	C 10UF, 10V		
		C9329	F1G1A105A047	C 1UF 10V		
		C9355	F1G1C104A146	C 0.1UF 16V		
		C9359	F1J1A106A043	C 10UF, 10V		
		C9362	F1G1A105A047	C 1UF 10V		
		C9363	F1K1V106A010	C 10UF, 25V		
		C9365	F1G1C104A146	C 0.1UF 16V		
		C9366	F1G1C473A146	C 0.047UF, 16V		
		C9368	F1G1E332A144	C 3300PF, 25V		
		C9370	F1J0G2260001	C 22 UF 4 V		
		C9371	F1J0G2260001	C 22 UF 4 V		
DIODES						
		D2001	DZ2J047M0L	DIODE		
		D2004	DZ2J047M0L	DIODE		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		D2006	DZ2J047M0L	DIODE		
		D2007	DZ2J047M0L	DIODE		
		D2008	DZ2J056M0L	DIODE		
		D2009	DZ2J047M0L	DIODE		
		D2800	DZ2J056M0L	DIODE		
		D2802	B3AGB0000060	LED		
		D2851	DZ2J068M0L	DIODE		
		D2852	DZ2J068M0L	DIODE		
		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	ERZE08C621CD	SURGE ABSORBER		
		D7104	B0EAKR000022	DIODE		
		D7105	B0EAKR000022	DIODE		
		D7106	B0EBNT000028	DIODE		
		D7211	B0ACCD000008	DIODE		
		D7217	B0EANR000004	DIODE		
		D7221	B0ACCD000008	DIODE		
		D7301	DZ2J039M0L	DIODE		
		D7302	B0HAGQ000001	DIODE		
		D7303	DZ2J039M0L	DIODE		
		D7304	B0HAGQ000001	DIODE		
		D7305	B0ADCK000001	DIODE		
		D7306	B0BC027A0336	DIODE		
		D7307	B0BC027A0336	DIODE		
		D7308	B0BC027A0336	DIODE		
		D7309	B0JCMG000043	DIODE		
		D7310	B0JCMG000043	DIODE		
		D7311	B0BC027A0336	DIODE		
		D7313	B0ACCD000008	DIODE		
		D7401	B0JBSL000080	DIODE		
		D7402	B0JBSL000080	DIODE		
		D7404	DA2J10100L	DIODE		
		D7405	DA2J10100L	DIODE		
		D7411	DA2J10100L	DIODE		
		D7413	B0JDSG000009	DIODE		
		D7414	B0JDSG000009	DIODE		
		D7550	B0JCPE000051	DIODE		
		D7800	B0JBSM000007	DIODE		
		D7801	B0JBSM000007	DIODE		
		D7802	B0ACCD000008	DIODE		
		D7803	B0JCMG000043	DIODE		
		D7804	B0JCMG000043	DIODE		
		D7814	DA2J10100L	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	C0DBAYY01300	IC		
		IC5704	C0DBEYY00102	IC		
		IC6750	C1AB00004172	IC		
		IC6751	C1AB00004174	IC		
		IC7201	C0DBBYY00058	IC		
		IC7301	C0DBAYY01329	IC		
		IC7401	C0DBZYY00545	IC		
		IC7503	C0DBAYY01915	IC		
		IC7800	C0ZBZ0002164	IC		
		IC7801	C0ZBZ0001936	IC		
		IC8000	MN2WS0275PBS	IC		
		IC8001	C0DBGYY00887	IC		
		IC8100	C0DBAYY01645	IC		
		IC8101	C0DBAYY01644	IC		
		IC8200	C3ABTY000091	IC		
		IC8201	C3ABTY000091	IC		
		IC8454	C0DBZYY00541	IC		
		IC8900	C3FBTY000037	IC		
		IC8901	C3EBGY000056	IC		
		IC9100	C1AB00003847	IC		
		IC9250	C3ABSY000090	IC		
		IC9300	C0EBY0001752	IC		
		IC9301	C0DBAYY01645	IC		
		IC9302	C0DBAYY01644	IC		
		IC9303	C0CBCYY00043	IC		
		IC9350	TVRT316	EEPROM IC		
		IC9351	C0DBGYY00887	IC		
COILS						
		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	G1C150MA0445	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		
		L7103	EXCELDR35V	CORE		
		L7104	EXCELDR35V	CORE		
		L7208	J0JHC0000075	BEAD COIL		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		L7304	EXCELD35V	CORE		
		L7550	G0C270MA0049	INDUCTOR		
		L7803	J0JHC0000075	BEAD COIL		
		L7804	J0JHC0000075	BEAD COIL		
		L7805	G4DYA0000602	TRANSFORMER		
		L8001	J0JCC0000287	COIL		
		L8009	J0JYC0000464	BEAD CORE		
		L8013	J0JYC0000464	BEAD CORE		
		L8014	J0JCC0000287	COIL		
		L8100	G1C2R2ZA0311	INDUCTOR		
		L8101	G1C3R3MA0464	INDUCTOR		
		L8461	J0JYC0000464	BEAD CORE		
		L9101	J0JYC0000464	BEAD CORE		
		L9102	J0JYC0000464	BEAD CORE		
		L9104	J0JYC0000464	BEAD CORE		
		L9300	G1C2R2MA0464	INDUCTOR		
		L9301	G1C3R3MA0464	INDUCTOR		
TRANSISTERS						
		Q2012	B1ABCE000015	TRANSISTOR		
		Q2013	B1ABCE000015	TRANSISTOR		
		Q3102	B1ABCE000015	TRANSISTOR		
		Q3103	B1ABCE000015	TRANSISTOR		
		Q4702	B1ABCF000231	TRANSISTOR		
		Q4709	B1ABCF000231	TRANSISTOR		
		Q4981	B1ABCE000015	TRANSISTOR		
		Q7202	B1ADCE000022	TRANSISTOR		
		Q7203	B1CERR000096	TRANSISTOR		
		Q7204	B1ADGE000012	TRANSISTOR		
		Q7301	B1CFRR000029	TRANSISTOR		
		Q7302	B1CFRR000029	TRANSISTOR		
		Q7303	B1ADCE000022	TRANSISTOR		
		Q7401	B1ABCF000231	TRANSISTOR		
		Q7402	B1CHRE000034	TRANSISTOR		
		Q7403	B1CHRE000035	TRANSISTOR		
		Q7404	B1CHRE000034	TRANSISTOR		
		Q7405	B1CHRE000035	TRANSISTOR		
		Q7800	B1ABCF000231	TRANSISTOR		
		Q7802	B1BDBJ000001	TRANSISTOR		
		Q7803	B1BDBJ000001	TRANSISTOR		
		Q7804	B1BDBJ000001	TRANSISTOR		
		Q7805	B1BDBJ000001	TRANSISTOR		
		Q7806	B1BDBJ000001	TRANSISTOR		
		Q7807	B1BDBJ000001	TRANSISTOR		
		Q7808	B1BDBJ000001	TRANSISTOR		
		Q7809	B1BDBJ000001	TRANSISTOR		
		Q7810	B1CERM000047	TRANSISTOR		
		Q7811	B1CERM000047	TRANSISTOR		
		Q7814	B1ABCN000007	TRANSISTOR		
		Q7815	B1ABCF000231	TRANSISTOR		
		Q9351	B1ABCF000231	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		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		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		
		R2016	D0GA122JA023	M 1.2KOHM, J,1/16W		
		R2017	D0GAR00J0005	M 0 OHM, 1/16W		
		R2018	D0GAR00J0005	M 0 OHM, 1/16W		
		R2051	D0GA101JA039	M 100OHM, J, 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		
		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 680OHM ,J, 1/16W		
		R2852	D1BD1911A203	M 1.91KOHM ,J, 1/16W		
		R2853	D1BD3091A203	M 3.09KOHM ,J, 1/16W		
		R2854	D1BD6041A203	M 6.04KOHM ,J, 1/16W		
		R2855	D1BD1692A203	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		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		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		
		R4083	D0GA103JA039	M 100OHM, J, 1/16W		
		R4084	D0GA103JA039	M 100OHM, J, 1/16W		
		R4715	D0GA103JA039	M 100OHM, J, 1/16W		
		R4721	D0GA103JA039	M 100OHM, J, 1/16W		
		R4722	D0GA103JA039	M 100OHM, J, 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		
		R4752	D1BA1600A023	M 160 OHM,F,1/16 W		
		R4753	D1BA82R0A023	M 82OHM ,F, 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 100OHM, J, 1/16W		
		R5006	D0GA103JA039	M 100OHM, J, 1/16W		
		R5007	D0GA103JA039	M 100OHM, J, 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		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		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, 1/6W		
		R5403	D1BB2871A143	M 2.87KOHM ,F, 1/16W		
		R5421	D1BA3302A023	M 33KOHM,F. 1/16 W		
		R5422	D1BB9100A143	M 910OHM ,F, 1/6W		
		R5423	D1BB4871A143	M 4.87KOHM ,F, 1/16W		
		R5500	D1BA2702A023	M 27KOHM,F,1/16W		
		R5501	D1BA3601A023	M 3.6KOHM,F 1/16 W		
		R5502	D1BA5102A023	M 51KOHM ,J, 1/61W		
		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		
		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	D0GD102JA052	M 1.0KOHM,J,1/8W		
		R7105	D0GD102JA052	M 1.0KOHM,J,1/8W		
		R7201	ERX1SJR22V	M 0.22OHM, J, 1W		
		R7203	D0GD104JA052	M 100KOHM,J,1/8W		
		R7204	D0GF221JA047	M 100OHM ,J, 1/16W		
		R7205	D0GD101JA052	M 100 OHM,J,1/8W		
		R7210	ERX1SJR22V	M 0.22OHM, J, 1W		
		R7211	D0GD104JA052	M 100KOHM,J,1/8W		
		R7212	D0GB822JA065	M 820OHM ,J, 1/16W		
		R7219	D0GB513JA065	M 51KOHM ,J, 1/61W		
		R7220	D0GB223JA065	M 22KOHM,J,1/10W		
		R7224	D1BD8203A203	M 820KOHM ,F, 1/16W		
		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	D1BD2003A203	M 200KOHM ,F, 1/16W		
		R7230	D1BD4422A203	M 44.2KOHM ,F, 1/16W		
		R7231	D1BD4303A203	M 430KOHM ,F, 1/16W		
		R7232	D1BD3603A203	M 360KOHM ,F, 1/16W		
		R7234	D1BD8203A203	M 820KOHM ,F, 1/16W		
		R7237	D0GF220JA047	M 22 OHM,J, 1/3W		
		R7238	D0GB473JA065	M 47KOHM J. 1/10W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7239	D0GF221JA047	M 220OHM ,J, 1/16W		
		R7240	D0GF225JA048	M 2.2MOHM ,J, 1/16W		
		R7241	D0GF225JA048	M 2.2MOHM ,J, 1/16W		
		R7242	D0GF225JA048	M 2.2MOHM ,J, 1/16W		
		R7243	D0GF225JA048	M 2.2MOHM ,J, 1/16W		
		R7244	D0GD124JA052	M 120KOHM,J,1/8W		
		R7245	D0GD224JA052	M 220KOHM,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	D0AF101JA112	M 100OHM, J, 1/2W		
		R7306	D0GD222JA052	M 2.2KOHM,J,1/8W		
		R7307	D0GD562JA052	M 5.6 KOHM,J,1/8W		
		R7308	D0GD222JA052	M 2.2KOHM,J,1/8W		
		R7311	D0XB106JA018	M 10MOHM ,J, 1W		
		R7312	D1BD1802A203	M 18KOHM ,F, 1/16W		
		R7314	D0GD473JA052	M 47KOHM,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 1OHM ,J, 1W		
		R7383	D0GDR00J0004	M 0 OHM, 1/8W		
		R7401	D0GD472JA052	M 4.7KOHM,J,1/8W		
		R7402	D0GB103JA065	M 10K OHM J 1/10W		
		R7403	D0GD102JA052	M 1.0KOHM,J,1/8W		
		R7404	D0GD104JA052	M 100KOHM,J,1/8W		
		R7405	D0GD222JA052	M 2.2KOHM,J,1/8W		
		R7406	D1BD3301A203	M 3.3KOHM, J,1/16W		
		R7407	D0GB103JA065	M 10K OHM J 1/10W		
		R7408	D1BD1802A203	M 18KOHM ,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		
		R7416	D0GD103JA052	M 10KOHM,J,1/8W		
		R7417	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		
		R7426	D0GD472JA052	M 4.7KOHM,J,1/8W		
		R7428	D0GFR00J0005	M 0 OHM,J,1/3W		
		R7510	D0GD153JA052	M 15KOHM,J,1/8W		
		R7511	D0GD153JA052	M 15KOHM,J,1/8W		
		R7551	D0GD100JA052	M 10 OHM,J,1/8W		
		R7554	D1BD7872A203	M 78.7KOHM ,F, 1/16W		
		R7555	D1BD1432A203	M 14.3KOHM ,F, 1/16W		
		R7557	D0GD514JA052	M 510KOHM ,J, 1/16W		
		R7558	D0GDR00J0004	M 0 OHM, 1/8W		
		R7800	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7801	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7802	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7803	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7804	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7805	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7806	D1BD3R30A179	M 3.3KOHM, J,1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7807	D1BD3R30A179	M 3.3KOHM, J, 1/16W		
		R7808	D0GB103JA065	M 10K OHM J 1/10W		
		R7809	D1BB1203A143	M 120KOHM, J, 1/8W		
		R7810	D1BB4702A143	M 47KOHM J. 1/10W		
		R7811	D1BB1201A143	M 1.2KOHM, F, 1/16W		
		R7812	D1BB1503A143	M 150KOHM J 1/16W		
		R7820	D1BB1403A143	M 140KOHM, F, 1/16W		
		R7821	D1BB1403A143	M 140KOHM, F, 1/16W		
		R7822	D0GB114JA065	M 110KOHM, F, 1/16W		
		R7823	D0GB203JA065	M 20KOHM J 1/10W		
		R7827	D0GD1R0JA052	M 1 OHM, J, 1/8W		
		R7828	D0GBR00J0004	M 0 OHM J 1/10W		
		R7829	D0GD470JA059	M 47 OHM, J, 1/4W		
		R7830	D0GD100JA059	M 10 OHM, J, 1/4W		
		R7831	D0GD470JA059	M 47 OHM, J, 1/4W		
		R7832	D0GD100JA059	M 10 OHM, J, 1/4W		
		R7833	D0GD470JA059	M 47 OHM, J, 1/4W		
		R7836	D0GB105JA065	M 1M OHM F 1/10W		
		R7837	D0GB474JA065	M 470KOHM, J, 1/10W		
		R7838	D0GB473JA065	M 47KOHM J. 1/10W		
		R7839	D0GB473JA065	M 47KOHM J. 1/10W		
		R7840	D0GB473JA065	M 47KOHM J. 1/10W		
		R7841	D0GB473JA065	M 47KOHM J. 1/10W		
		R7842	D0GB473JA065	M 47KOHM J. 1/10W		
		R7843	D0GB473JA065	M 47KOHM J. 1/10W		
		R7844	D0GB473JA065	M 47KOHM J. 1/10W		
		R7845	D0GB473JA065	M 47KOHM J. 1/10W		
		R7846	D0GBR00J0004	M 0 OHM J 1/10W		
		R7847	D0GBR00J0004	M 0 OHM J 1/10W		
		R7848	D0GBR00J0004	M 0 OHM J 1/10W		
		R7849	D0GBR00J0004	M 0 OHM J 1/10W		
		R7850	D0GBR00J0004	M 0 OHM J 1/10W		
		R7851	D0GBR00J0004	M 0 OHM J 1/10W		
		R7852	D0GBR00J0004	M 0 OHM J 1/10W		
		R7853	D0GBR00J0004	M 0 OHM J 1/10W		
		R7854	D0GD470JA059	M 47 OHM, J, 1/4W		
		R7855	D0GD100JA059	M 10 OHM, J, 1/4W		
		R7856	D0GB473JA065	M 47KOHM J. 1/10W		
		R7857	D0GD470JA059	M 47 OHM, J, 1/4W		
		R7858	D0GD100JA059	M 10 OHM, J, 1/4W		
		R7859	D0GB473JA065	M 47KOHM J. 1/10W		
		R7860	D0GB470JA065	M 47 OHM, J, 1/10W		
		R7861	D0GB101JA065	M 100 OHM, J, 1/10W		
		R7862	ERX1SJR22V	M 0.22OHM, J, 1W		
		R7863	ERX1SJR22V	M 0.22OHM, J, 1W		
		R7864	ERX1SJR22V	M 0.22OHM, J, 1W		
		R7865	ERX1SJR22V	M 0.22OHM, J, 1W		
		R7866	ERX1SJR22V	M 0.22OHM, J, 1W		
		R7867	D1BB1002A143	M 10KOHM, F, 1/16W		
		R7869	D1BD3R30A179	M 3.3KOHM, J, 1/16W		
		R7870	D1BD3R30A179	M 3.3KOHM, J, 1/16W		
		R7871	D1BD3R30A179	M 3.3KOHM, J, 1/16W		
		R7872	D1BD3R30A179	M 3.3KOHM, J, 1/16W		
		R7873	D1BD3R30A179	M 3.3KOHM, J, 1/16W		
		R7874	D1BD3R30A179	M 3.3KOHM, J, 1/16W		
		R7875	D1BD3R30A179	M 3.3KOHM, J, 1/16W		
		R7876	D1BD3R30A179	M 3.3KOHM, J, 1/16W		
		R7877	D1BB6652A143	M 2.4KOHM, F, 1/16W		
		R7883	ERG2SJ562V	M 5.6KOHM, J, 1/16W		
		R7884	D0GD104JA052	M 100KOHM, J, 1/8W		
		R7885	D0GB103JA065	M 10K OHM J 1/10W		
		R7886	D0GB473JA065	M 47KOHM J. 1/10W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7887	D0GB103JA065	M 10K OHM J 1/10W		
		R7888	D0GB473JA065	M 47KOHM J. 1/10W		
		R7889	D0GB103JA065	M 10K OHM J 1/10W		
		R7890	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7891	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7892	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7893	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7894	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7895	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7896	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7897	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7898	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7899	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7900	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7901	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7902	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7903	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7904	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7905	D1BD3R30A179	M 3.3KOHM, J,1/16W		
		R7906	D0GBR00J0004	M 0 OHM 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		
		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	M 10KOHM,F,1/16W		
		R8451	D0GA103JA039	M 10KOHM, F,1/16W		
		R8454	D0GA103JA039	M 10KOHM,F,1/16W		
		R8455	D0GA103JA039	M 10KOHM, F,1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8458	D1BA1822A023	M 18.2KOHM,F,1/16 W		
		R8469	D0GA103JA039	M 10KOHM,F,1/16W		
		R8478	D0GAR00J0005	M 0 OHM, 1/16W		
		R8479	D0GAR00J0005	M 0 OHM, 1/16W		
		R8666	D1HY1038A012	NETWORK RESISTER		
		R8800	D0GA103JA039	M 10KOHM,F,1/16W		
		R8803	D0GA103JA039	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	D1BB7151A143	M 7.15KOHM ,F, 1/16W		
		R8852	D0GA102JA039	M 1KOHM, J, 1/16W		
		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		
		R8884	D0GA103JA039	M 10KOHM,F,1/16W		
		R8885	D0GA103JA039	M 10KOHM,F,1/16W		
		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	M 10KOHM,F,1/16W		
		R8911	D1HY1218A012	M 120OHM,J,1/8W		
		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. 1/10W		
		R9004	D0GA101JA039	M 100OHM, J, 1/16W		
		R9005	D0GA101JA039	M 100OHM, J, 1/16W		
		R9006	D0GA101JA039	M 100OHM, J, 1/16W		
		R9007	D0GA101JA039	M 100OHM, J, 1/16W		
		R9008	D0GA101JA039	M 100OHM, J, 1/16W		
		R9009	D0GA101JA039	M 100OHM, J, 1/16W		
		R9010	D0GA101JA039	M 100OHM, J, 1/16W		
		R9011	D0GA101JA039	M 100OHM, J, 1/16W		
		R9012	D0GA101JA039	M 100OHM, J, 1/16W		
		R9013	D0GA101JA039	M 100OHM, J, 1/16W		
		R9014	D0GA101JA039	M 100OHM, J, 1/16W		
		R9015	D0GA101JA039	M 100OHM, J, 1/16W		
		R9080	D0GAR00J0005	M 0 OHM, 1/16W		
		R9100	D1BA2400A023	M 240 OHM,F,1/16 W		
		R9104	D0GA103JA039	M 10KOHM,F,1/16W		
		R9110	D0GA272JA023	M 2.7KOHM, J.1/16W		
		R9112	D0GA272JA023	M 2.7KOHM, J.1/16W		
		R9115	D0GA221JA023	M220 OHM, J.1/16 W		
		R9121	D0GD100JA052	M 10 OHM,J,1/8W		
		R9122	D0GD100JA052	M 10 OHM,J,1/8W		
		R9123	D0GD100JA052	M 10 OHM,J,1/8W		
		R9124	D0GD100JA052	M 10 OHM,J,1/8W		
		R9125	D0GD100JA052	M 10 OHM,J,1/8W		
		R9129	D0GA472JA023	M 4.7KOHM, J,1/16W		
		R9250	D1BA1001A023	M 1 KOHM,F,1/16 W		
		R9251	D1BA1001A023	M 1 KOHM,F,1/16 W		

Model No. : TH-60A430R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R9252	D1HY2204A012	NETWORK RESISTER		
		R9253	D1HY2204A012	NETWORK RESISTER		
		R9254	D1HY2204A012	NETWORK RESISTER		
		R9255	D1HY2204A012	NETWORK RESISTER		
		R9256	D1HY2204A012	NETWORK RESISTER		
		R9257	D1HY2204A012	NETWORK RESISTER		
		R9258	D1HY2204A012	NETWORK RESISTER		
		R9259	D1HY2204A012	NETWORK RESISTER		
		R9260	D1HY2204A012	NETWORK RESISTER		
		R9261	D0GA220JA023	M22 OHM, J.1/16 W		
		R9262	D0GA220JA023	M22 OHM, J.1/16 W		
		R9263	D0GA220JA023	M22 OHM, J.1/16 W		
		R9264	D0GA220JA023	M22 OHM, J.1/16 W		
		R9265	D0GA220JA023	M22 OHM, J.1/16 W		
		R9266	D0GA220JA023	M22 OHM, J.1/16 W		
		R9267	D0GA220JA023	M22 OHM, J.1/16 W		
		R9268	D0GA220JA023	M22 OHM, J.1/16 W		
		R9269	D0GA220JA023	M22 OHM, J.1/16 W		
		R9270	D1BA49R9A023	M 49.9 OHM,J.1/16 W		
		R9271	D1BA49R9A023	M 49.9 OHM,J.1/16 W		
		R9300	D1BA2202A023	M 22KOHM,F. 1/16 W		
		R9301	D1BA2202A023	M 22KOHM,F. 1/16 W		
		R9302	D0GA223JA023	M 22K OHM J 1/16W		
		R9307	D1BB2001A074	M 2KOHM ,J, 1/16W		
		R9311	D1BB6800A074	M 680 OHM, J,1/16W		
		R9350	D0GA222JA023	M 2.2KOHM, J,1/16W		
		R9354	D0GA103JA039	M 10KOHM,F,1/16W		
		R9356	D0GA473JA039	M 47KOHM, J,1/16W		
		R9357	D0GA472JA023	M 4.7KOHM, J,1/16W		
		R9359	D0GA103JA039	M 10KOHM,F,1/16W		
		R9360	D0GA103JA039	M 10KOHM,F,1/16W		
		R9363	D0GA560JA023	M 56 OHM, J,1/16W		
		R9364	D0GA560JA023	M 56 OHM, J,1/16W		
		R9365	D0GA560JA023	M 56 OHM, J,1/16W		
		R9371	D0GA103JA039	M 10KOHM,F,1/16W		
		R9372	D0GA103JA039	M 10KOHM,F,1/16W		
		R9373	D1BA4701A023	M 4.7KOHM,F 1/16 W		
		R9374	D1BA2202A023	M 22KOHM,F. 1/16 W		
		R9375	D1BA2802A023	M 28KOHM,F,1/16W		
		R9400	D1HYR004A024	NETWORK RESISTER		
		R9401	D1HYR004A024	NETWORK RESISTER		
		R9402	D1HYR004A024	NETWORK RESISTER		
		R9403	D1HYR004A024	NETWORK RESISTER		
		R9404	D1HYR004A024	NETWORK RESISTER		
		R9405	D1HYR004A024	NETWORK RESISTER		
		R9406	D1HYR004A024	NETWORK RESISTER		
		R9407	D1HYR004A024	NETWORK RESISTER		
		R9408	D1HYR004A024	NETWORK RESISTER		
		R9409	D1HYR004A024	NETWORK RESISTER		
		R9410	D1HYR004A024	NETWORK RESISTER		
		R9411	D1HYR004A024	NETWORK RESISTER		
		R959	D0GA220JA023	M22 OHM, J.1/16 W		
		R960	D0GA220JA023	M22 OHM, J.1/16 W		
TRANSFORMER						
		T7202	G4DYA0000496	TRANSFORMER		
		T7301	G4DYA0000450	TRANSFORMER		
OTHERS						
		A02	K1KY14BA0484	CONNECTOR		
		A11	K1KY07BA0483	CONNECTOR		
		A12	K1KY04BA0387	CONNECTOR		
		A15	K1MY41BA0526	CONNECTOR		
		A16	K1MY51BA0526	CONNECTOR		

Model No. : TH-60A430R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		CF7102	D4CAY2R20002	TERMISTOR		
		F7101	K5E502YYA213	FUSE		
		GK4	K1KY03BA0402	CONNECTOR		
		J115	D0AF391JA112	RESISTOR		
		JA1	D0GDR00J0004	CHIP RESISTOR		
		JA4	D0GDR00J0004	CHIP RESISTOR		
		JA5	D0GDR00J0004	CHIP RESISTOR		
		JA7	D0GDR00J0004	CHIP RESISTOR		
		JK3101	K1U511D00002	AV TERMINAL		
		JK3103	K1U204DA0001	TERMINAL		
		JK4700	K1FY119D0029	TERMINAL		
		JK4701	K1FY119D0029	TERMINAL		
		JK6753	K1ZZ00001557	AV TERMINAL		
		JK7101	K2AAYB000010	AC INLET		
		JK8451	K1FY104B0092	TERMINAL		
		JS0053	D0GAR00J0005	CHIP RESISTOR		
		JS0056	D0GAR00J0005	CHIP RESISTOR		
		K10	K1KY07BA0483	CONNECTOR		
		LF7103	G0B183GA0082	LINE FILTER		
		LF7104	G0B183GA0082	LINE FILTER		
		LF7105	G0B350GA0083	LINE FILTER		
		P2	K1KY14BA0491	CONNECTOR		
		P5	K1KY03BA0402	CONNECTOR		
		P6	K1KY08BA0385	CONNECTOR		
		P7	K1KY09BA0385	CONNECTOR		
		PA7406	ERBRE5R00V	FUSE RESISTOR		
		PC7301	B3PAA0000674	PHOTO COUPLER		
		PC7302	B3PAA0000674	PHOTO COUPLER		
		PC7303	B3PAA0000674	PHOTO COUPLER		
		RM2800	B3RBB0000018	PHOTO DETECTOR		
		SN2800	B3JB000000219	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		
		X9100	H0J270500166	CRYSTAL RESONATOR		
		ZA7101	K4AD01A00004	RUG TERMINAL		
		ZA7102	K4AD01A00004	RUG TERMINAL		
		ZA7103	K4AD01A00004	RUG TERMINAL		
		ZA7105	K4AD01A00004	RUG TERMINAL		
		ZA7107	K4AD01A00004	RUG TERMINAL		

Model No. : TH-60A430R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
Exploded View						
		1	K2CQ2YY00122	AC CORD		
		2	L0EYAA000054	SPEAKER		
		3	L5EDDYY00610	LCD PANEL		
		4	N2QAYB000935	REMOTE TRANSMITTER		
		5	TBL5ZX08281	PEDESTAL ASSY		
		6	TBL5ZX08911	STD METAL ASSY		
			TBM4GD2928	MODEL NAME PLATE		
		7	TKK5ZC50501A	LED PANEL		
		8	TKP5ZA32202	SIDE AV BRACKET		
		9	TPC4GA28401	BOTTOM CARTON		
		10	TPD4GA05191	TOP CUSHION		
		11	TPD4GA05201	BOTTOM CUSHION		
		12	TPD4GA05211	FRONT CUSHION		
		13	TPE4GH064	SET COVER		
		14	TQZ4GB821	FAN BAG ASSY		
			TSCKF0170109	LVDS CABLE		
			TSCKF0170110	LVDS CABLE		
		15	TTU4GA1251	BACK COVER ASSY		
		16	TXFKY5Z0564	CABINET ASSY		
		17	TXFPC01ZKUR	PACKING CASE ASSY		
			XSS4+12FNK	SCREW		
			XTS4+10GPN	SCREW (PEDE)		
Electrical Replacement Part List						
		RTL	TXN/K1TQUK	K PRINT		
		RTL	TXN/P1UUUA	P PRINT		
		RTL	TXNGK1YAUU	GK PRINT		
		RTL	TZT/A1ZKUR	A PRINT ASSY		