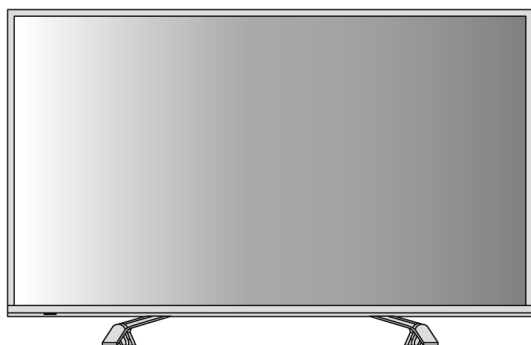


Service Manual

LED TV



Model No. TH-42C410S

Chassis: KM25

Destination: SINGAPORE

WARNING

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

IMPORTANT SAFETY NOTICE

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

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1 Safety Precautions

1.1. General Guidelines

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

1.1.1. Leakage Current Cold Check

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

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

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

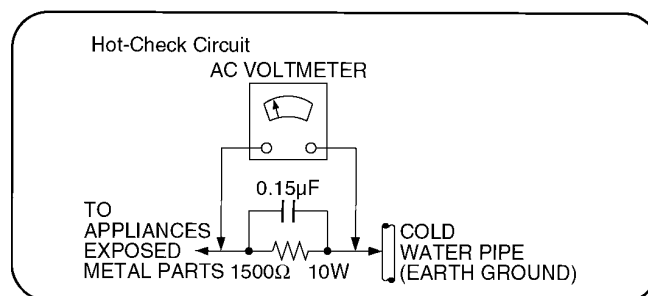


Figure 1

2 Warning

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

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

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

Caution

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

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

2.2. About lead free solder (PbF)

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

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

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

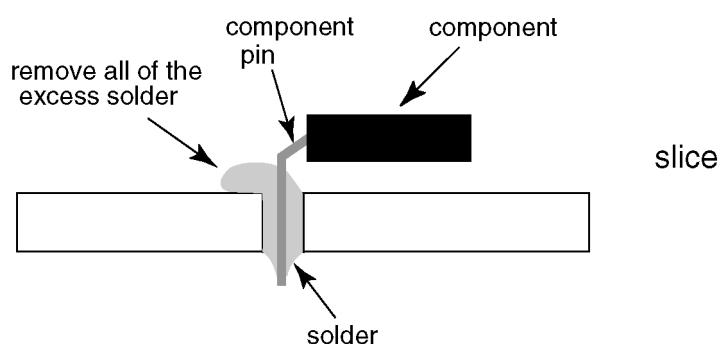
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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

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

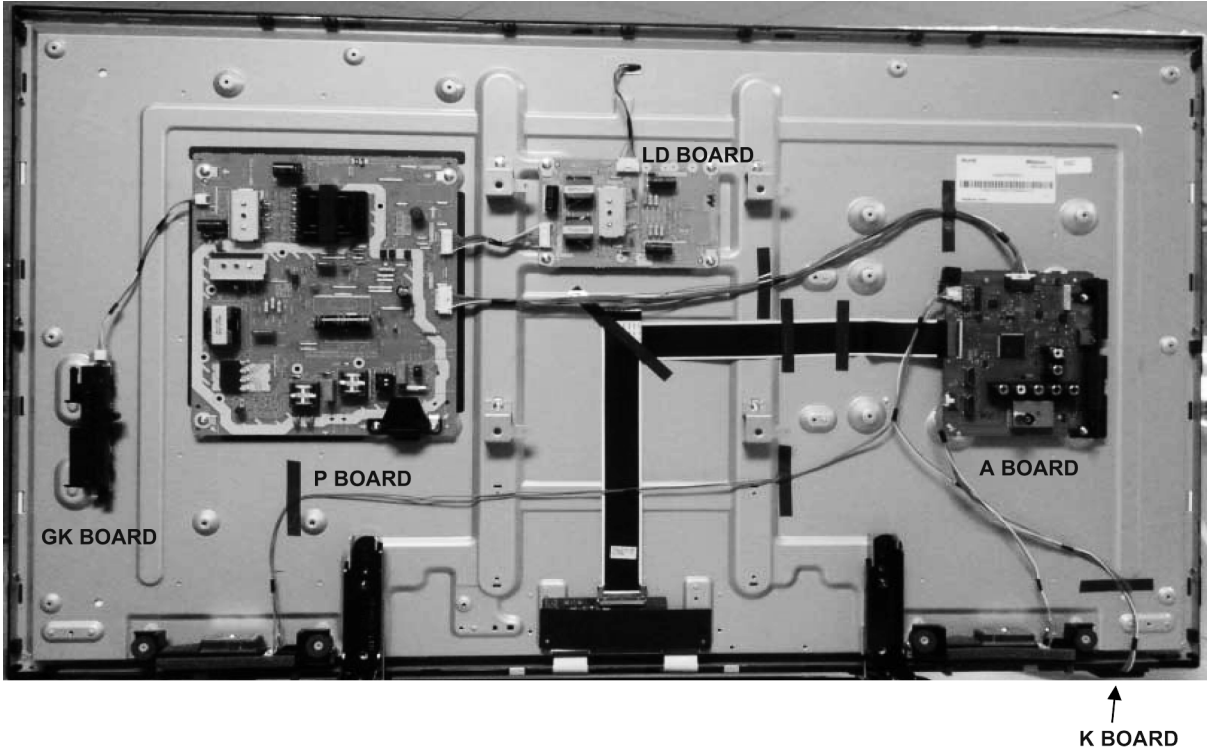
Caution

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



3 Service Navigation

3.1. Service Hint



Board Name	Main Device	Remarks
A BOARD	TUN, EEP, SPI, MTK IC	Repairable
P BOARD	Power Supply, Power switch, Keyscan	Repairable
K BOARD	Remote, LED,Luminence Sensor	Repairable
GK BOARD	Power Switch, Keyscan	Repairable
LD BOARD	LED driver	Repairable

4 Specifications

Power Source	AC 220-240 V, 50/60 Hz
Power consumption	
(Rated power / Standby power)	89 W / 0.35 W
Display panel	
Panel	LCD panel (LED backlight)
Visible screen size (diagonal)	106 cm
Display resolution	1,920 (W) × 1,080 (H)
Dimensions (W × H × D)	
	963 mm × 619 mm × 238 mm (With Pedestal)
	963 mm × 566 mm × 69 mm (TV only)
Mass	
	9.5 kg (With Pedestal)
	8.5 kg (TV only)
Connection terminals	
AV IN (COMPONENT / VIDEO)	VIDEO RCA PIN Type × 1, 1.0 V[p-p] (75 Ω)
	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
USB	USB 2.0 TYPE A Connectors
	DC 5 V, Max. 500 mA
DIGITAL AUDIO OUT	PCM / Dolby Digital / DTS, Fibre optic
Sound	
Audio output	20 W (10 W + 10 W)

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

Note

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

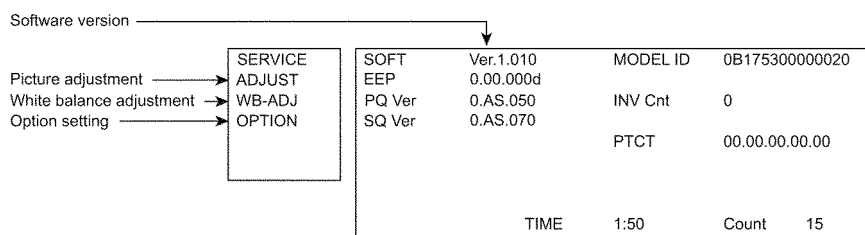
5 Service Mode

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	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

42 FHD			
Self check complete			
TUN	OK	SOFT	Ver.1.010
EEPROM	OK	EEP	0.00.000d
FE2	OK	Model id	0B175300000020
		PQ Ver	0.AS.050
		SQ Ver	0.AS.070

6.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

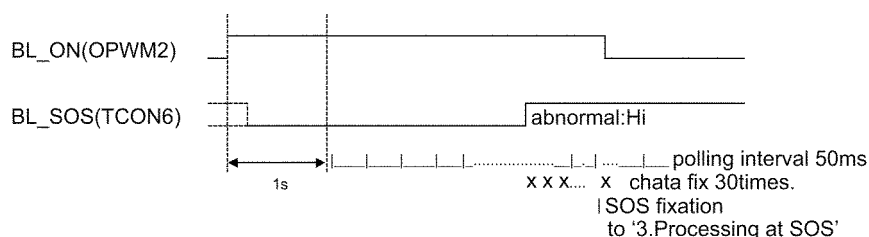
When an abnormality occurs, the protection circuit will operate and reset the unit to stand by mode. During this time, the defective block can be identified by the number of blinking times of the Power LED on the front panel of the unit as follow:

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

6.3. Method of detecting SOS

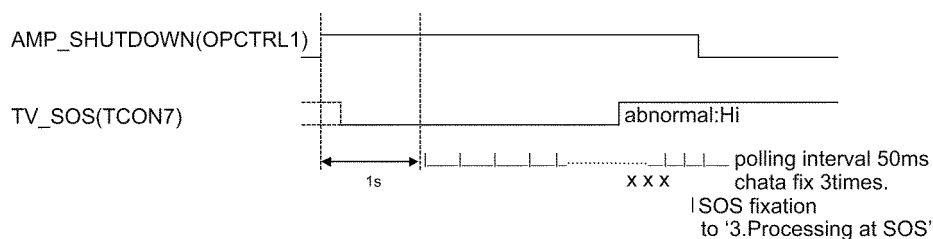
1. BL_SOS

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



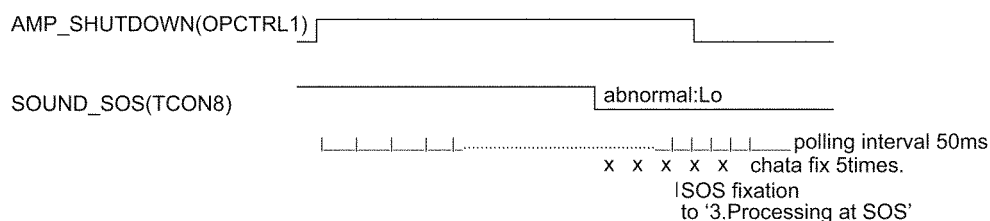
2. TV_SOS

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



3. SOUND_SOS

Detection beginning 'AMP_SHUTDOWN'=ON



6.4. LCD Panel test mode

Purpose:

To find the possible failure point where in LCD Panel or Printed Circuit Board when the abnormal picture is displayed.

How to Enter:

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

How to Exit:

Disconnect AC plug from wall outlet.

How to confirm:

If the abnormal picture is displayed, go into LCD Panel test mode to display the several test patterns.

And then, judge by the following method.

Still abnormal picture is displayed: The cause must be in LCD Panel.

Normal picture is displayed: The cause must be in A board.

Remarks:

The test pattern is created by the circuit in LCD Panel.

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

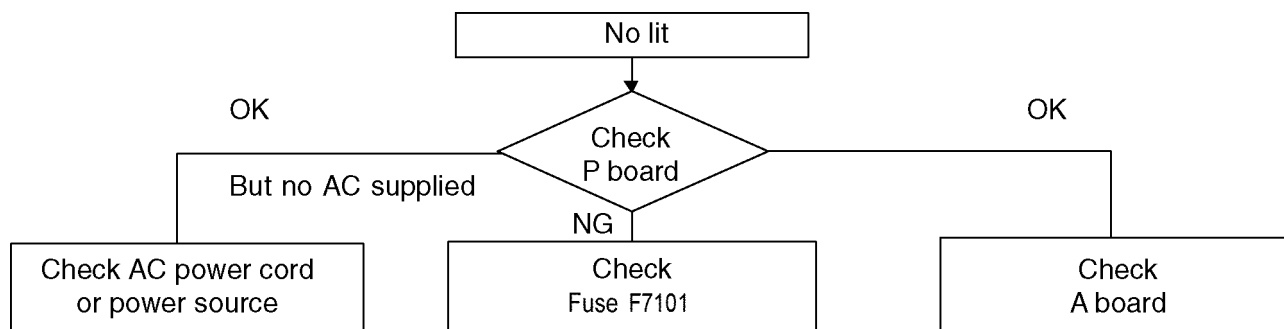
If the normal picture is displayed, LCD Panel must be okay and the cause of failure must be in A board.

6.5. No Power

First check point

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

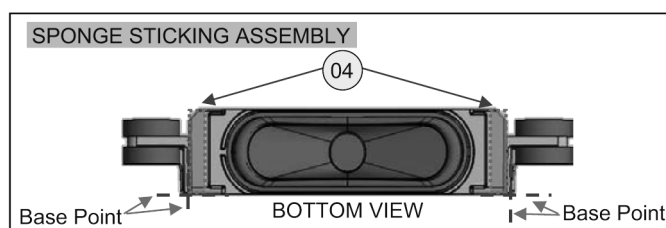
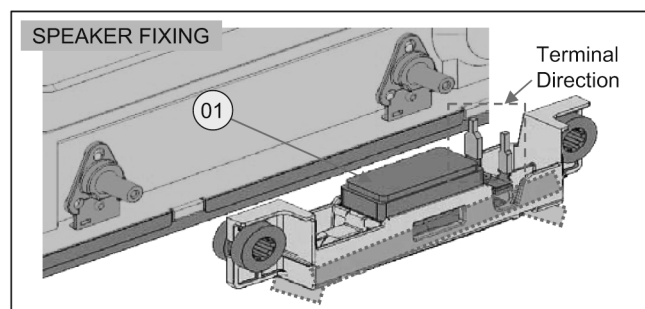
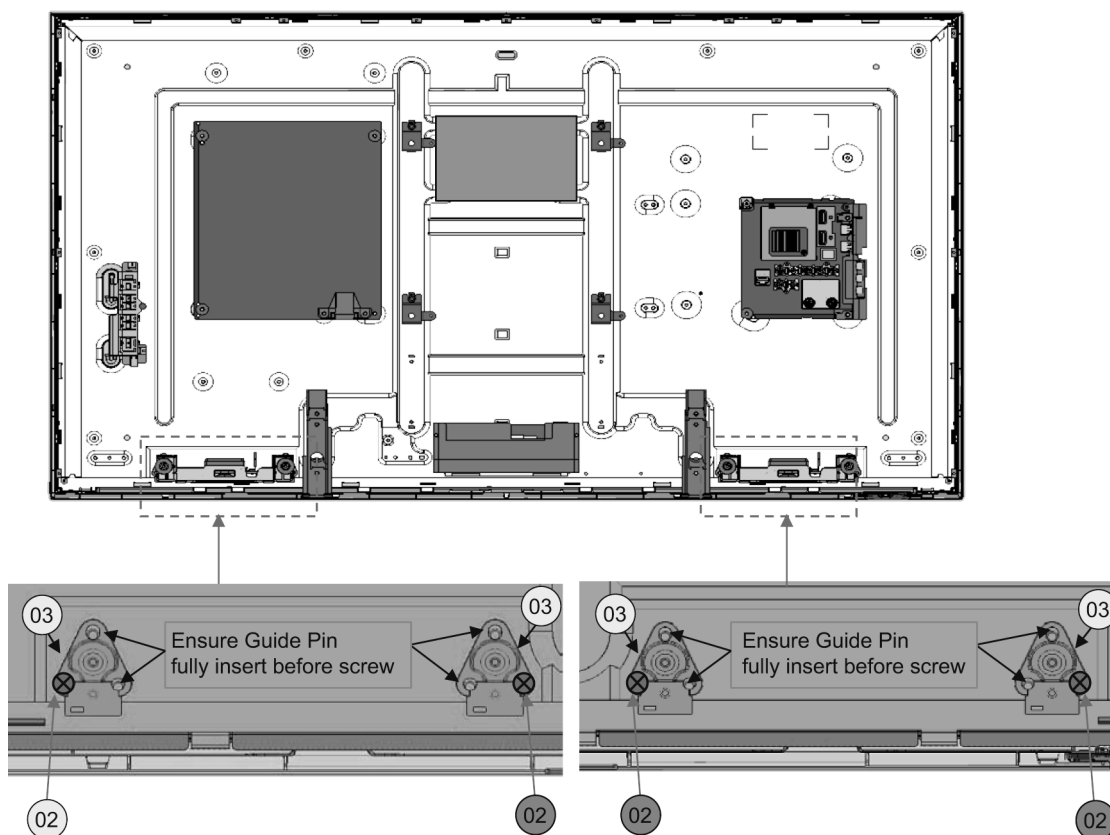
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 6.2.)



7 Disassembly and Assembly Instructions

7.1. Speaker Fixing and Assembly

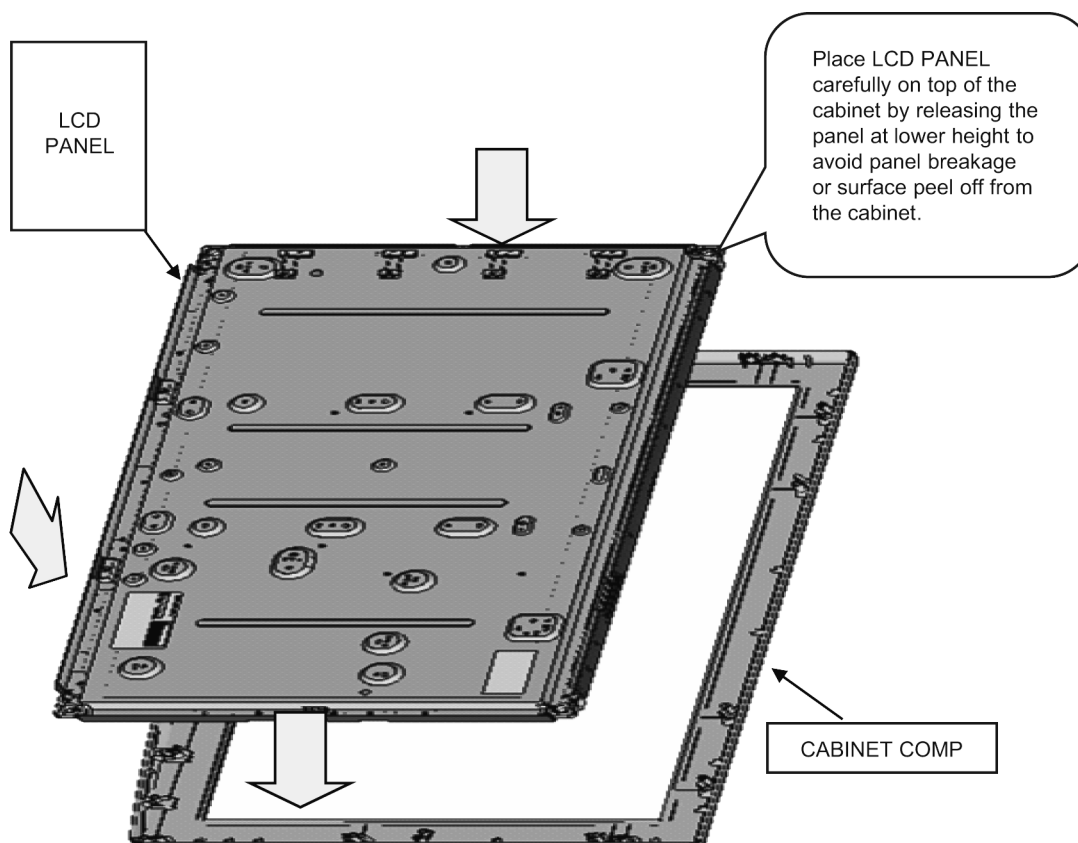
1. Fix speaker bracket at panel and screw.
2. Stick sponge at speaker and slot at speaker bracket.



NO	PART NO	QTY	UOM	DESCRIPTION	REMARK
01	LOEYAA000052	2	PC	SPEAKER UNIT	
02	THEJ036J	4	PC	SCREW (A3/P5/VESA4/MTL4/LBRD4/SP4)	06 ± 1 Kgf.cm
03	TKP5ZA41901	4	PC	SP BRACKET	
04	TMK4GG100	4	PC	SP. SPONGE	

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.

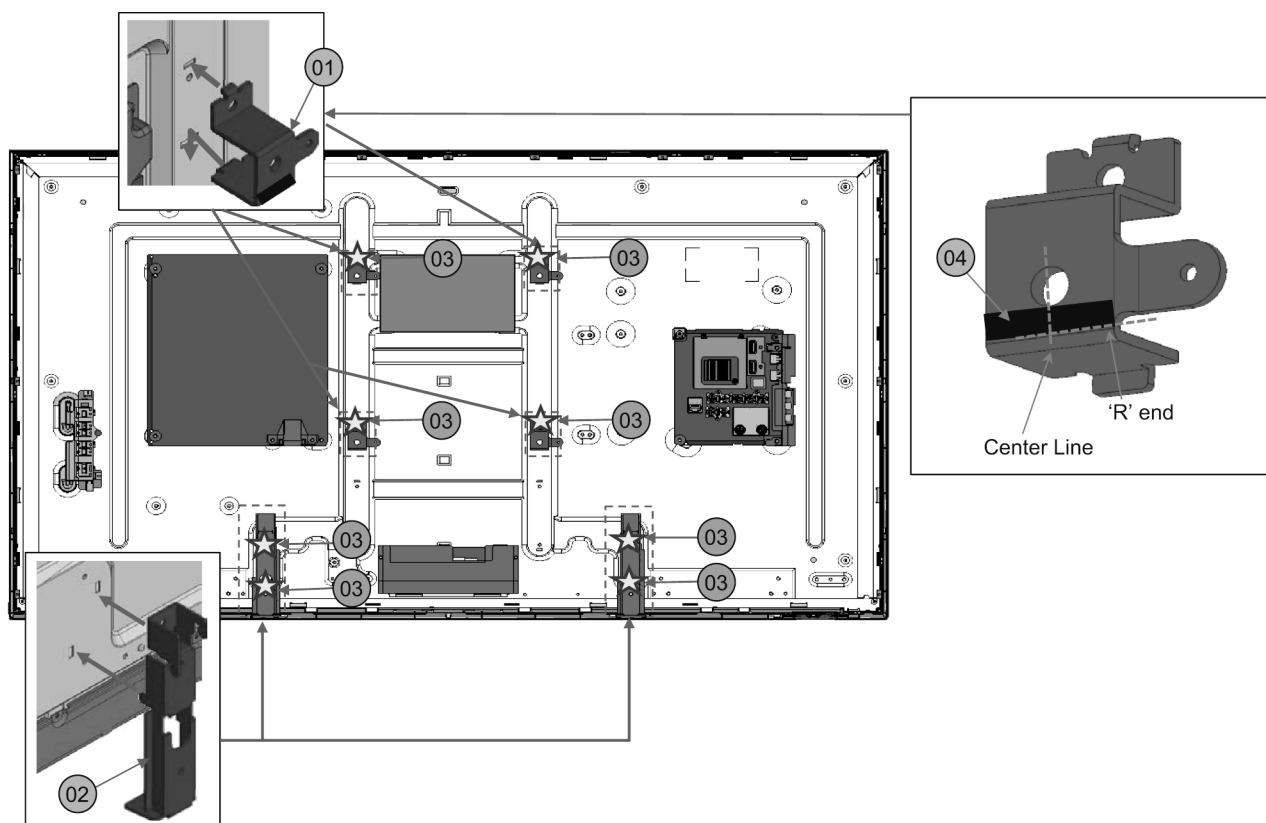


Other general precautions

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. Metal MTG Fixing

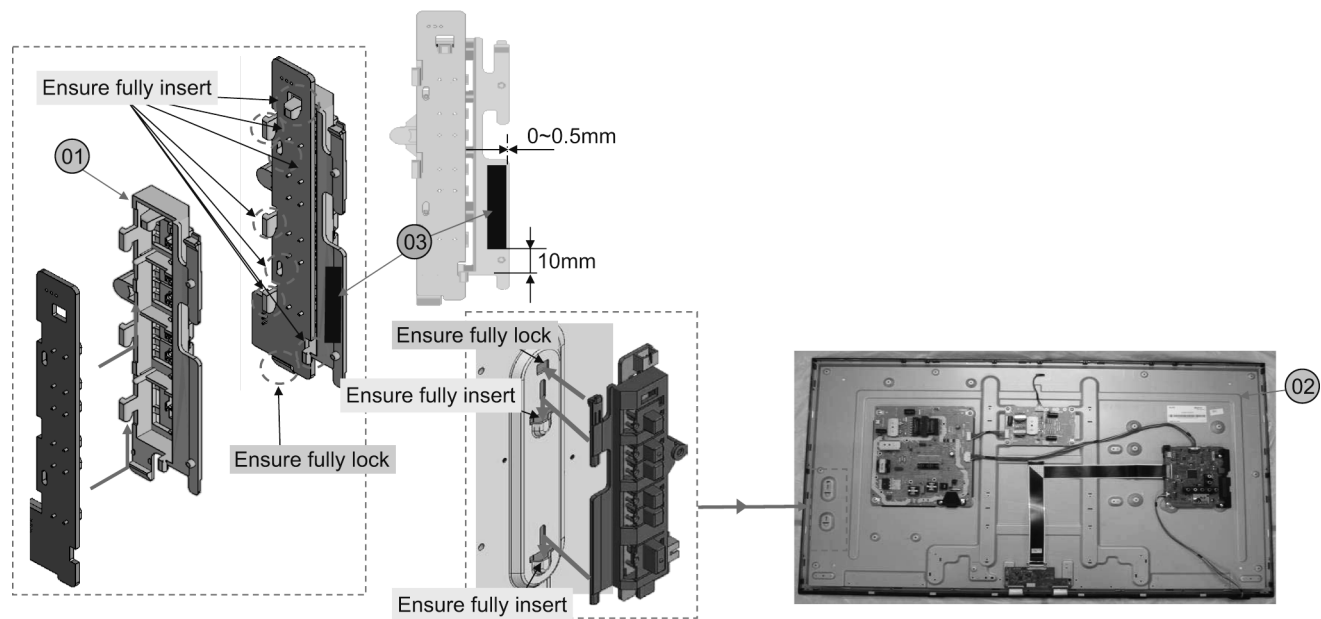
Fix vesa metal and bottom panel into panel and screw.



NO	PART NO	QTY	UOM	DESCRIPTION	REMARK
01	TUX5ZX0371	4	PC	VESA METAL	
02	TUX5ZX0391	2	PC	BOTTOM METAL	
03	THEJ036J	8	PC	SCREW (A3/P5/VESA4/MTL4/LBRD4/SP4)	06 ± 1 Kgf.cm
04	TMK4GA300	4	1	FELT (5 × 15 × 0.35t)	

7.4. Key Button Assembly

Fix pcb at key button bracket and fix at panel.

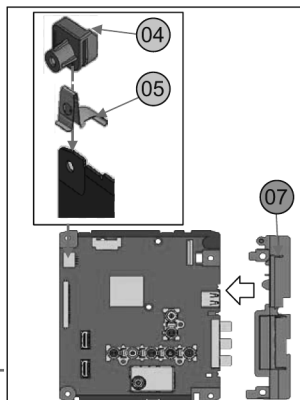
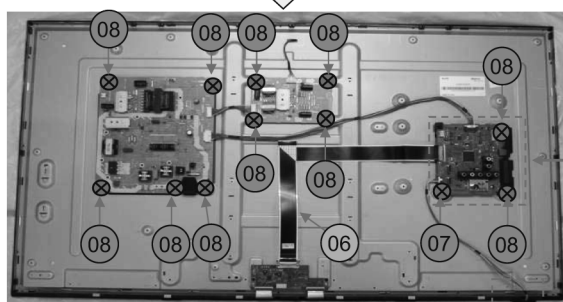
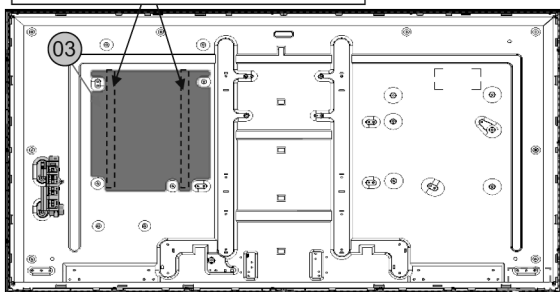


NO	PART NO	QTY	UOM	DESCRIPTION
01	TBX5ZA03301	1	PC	KEY BUTTON BRACKET
02	TZLP104KGAB	1	PC	ASS'Y 42" IN HOUSE PANEL
03	TMK4GA265	1	PC	FELT (10 x 35 x 0.35t)

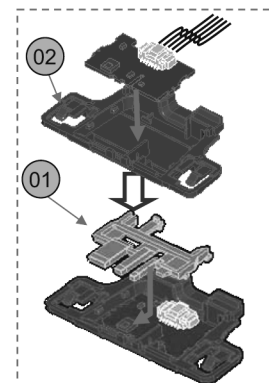
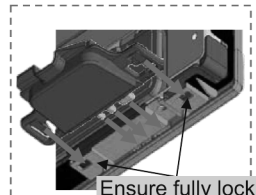
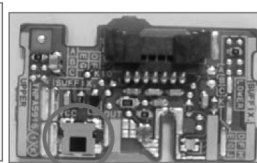
7.5. PCB Fixing and Screw

1. Stick barrier at panel.
2. Assembly led panel.
3. Fix chassis bracket, ground spring and side av bracket at pcb.
4. Fix all pcb and screw.

Take out tape separator before stick

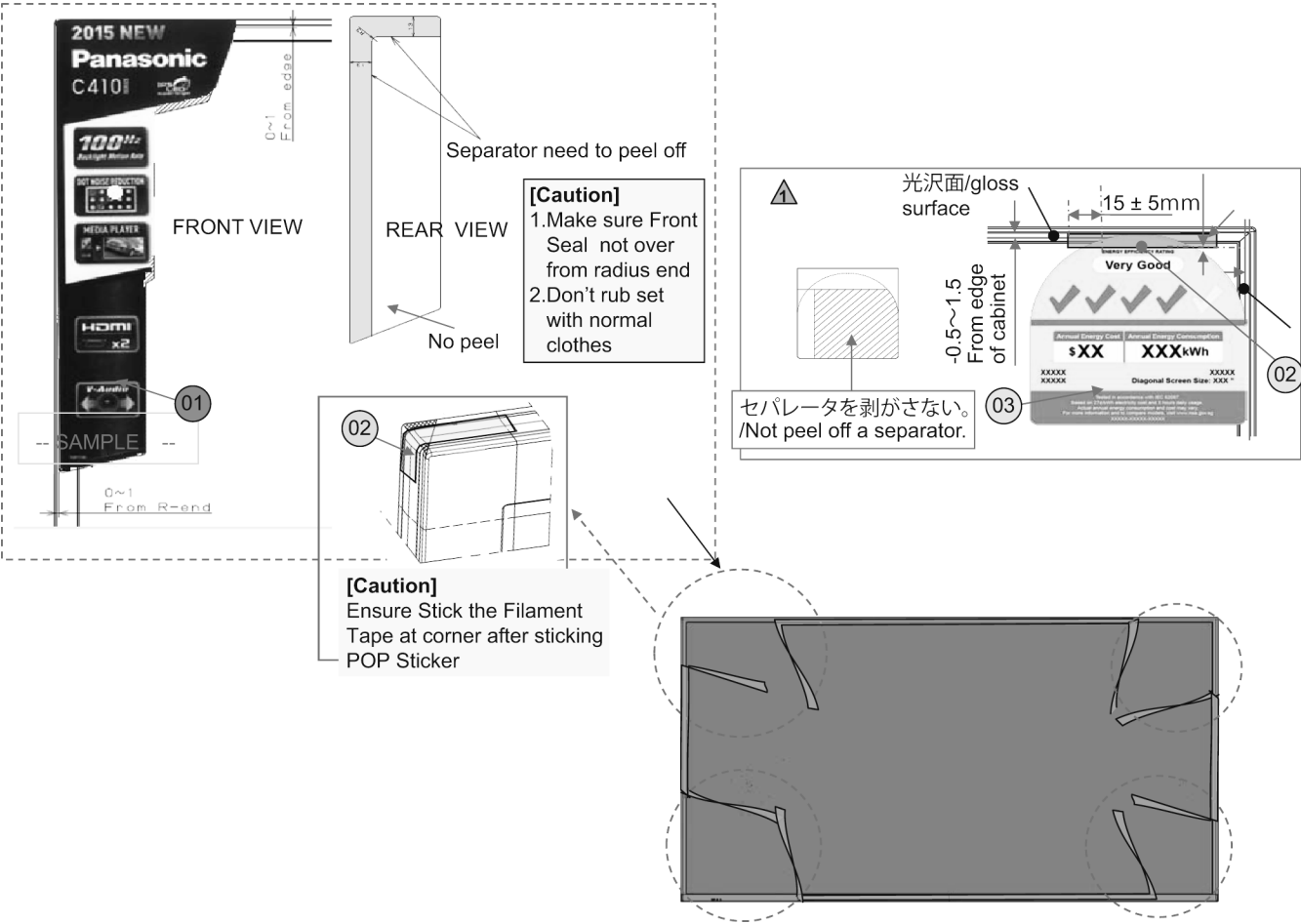


[Caution]
Avoid to touch the component (marked) during any assembly process



NO	PART NO	QTY	UOM	DESCRIPTION	REMARK
01	TKK5ZC50501A	1	PC	LED PANEL	
02	TKP5ZA41701	1	PC	LED PANEL CASE	
03	TMK5ZX084	1	PC	BARRIER	
04	TMX5ZE0045	1	PC	CHASSIS BRACKET A-PCB	
05	TES2AA025	1	PC	GROUND SPRING	
06	TSCKF0690001	1	PC	LVDS CABLE	
07	TKP5ZA32202	1	PC	SIDE AV BRACKET	
08	THEJ036J	12	PC	SCREW (A3/P5/VESA4/MTL4/LBRD4/SP4)	06 ± 1 Kgf.cm

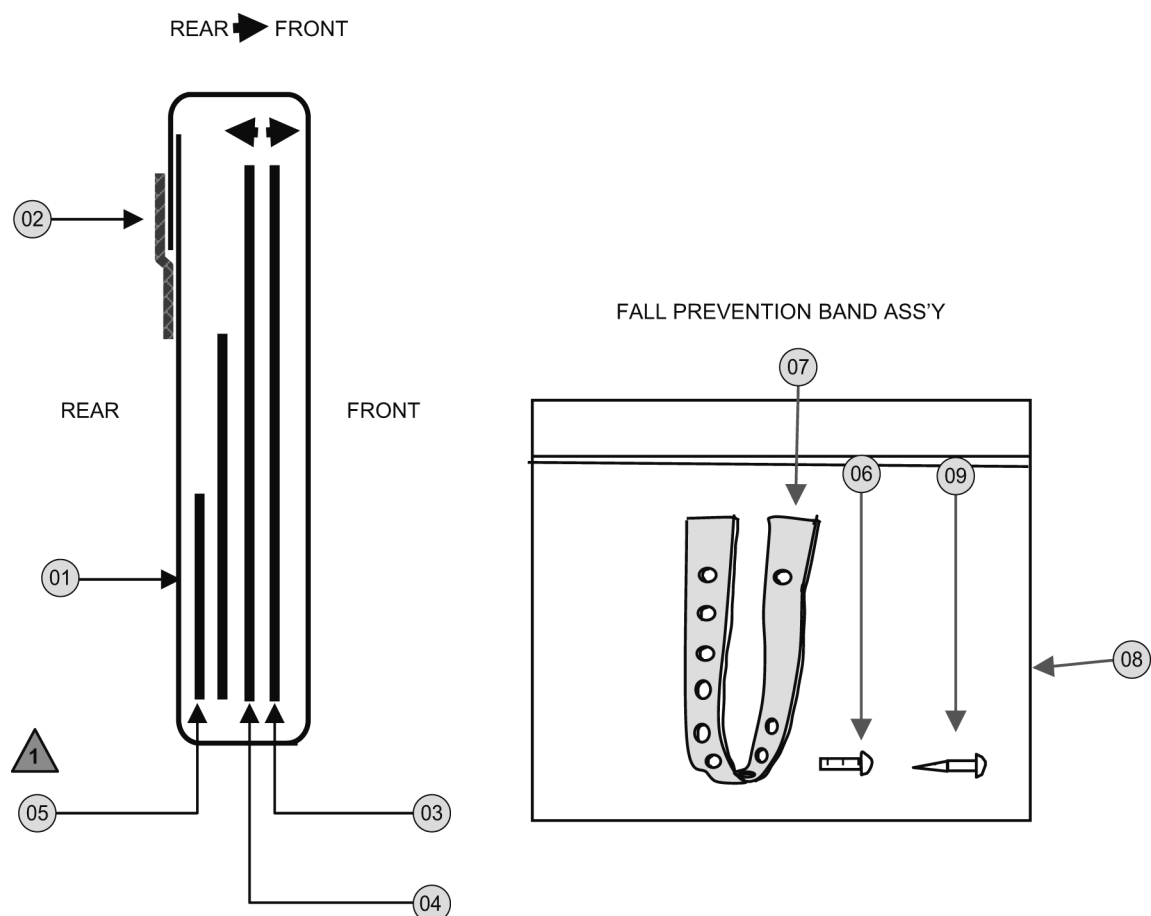
7.6. Pop Sticker & Energy Rating



NO	PART NO	QTY	UOM	DESCRIPTION
01	TQFT659	1	PC	POP STICKER
02	T4FL0707N	0.06	MT	BLUE TAPE
03	TQF4GA749	1	PC	ENERGY RATING LABEL

7.7. Fan Bag Assembly

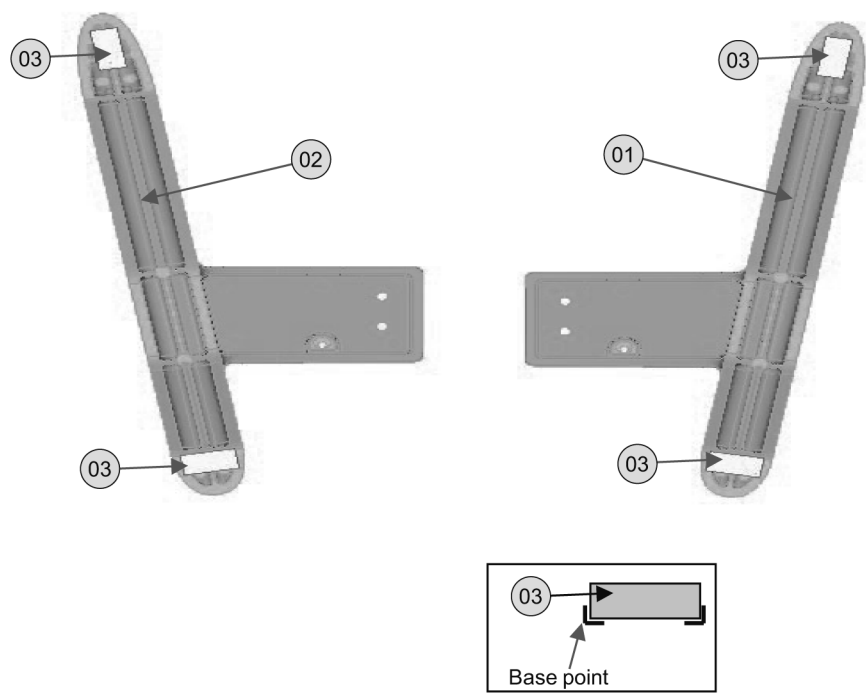
1. Insert screw into bag and ensure bag fully seal (lock).
Insert all part into cover for fan bag.
2. Direction and sequence (depend by model - Refer part list for detail)
3. Fold cover for fan bag and stick with film tape.



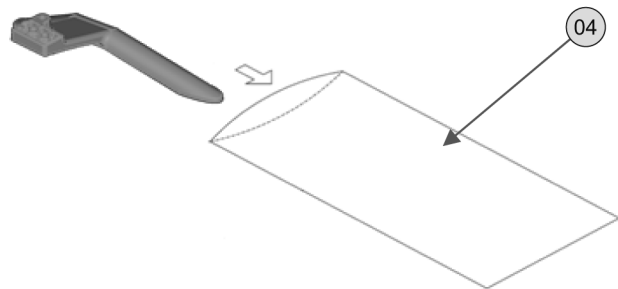
NO	PART NO	QTY	UOM	DESCRIPTION
01	XZB20X32A02	1	PC	BAG
02	T5E4G62400	0.04	MT	YELLOW_MASKING_TAPE
03	TQB4GC1412	1	PC	OPERATING MANUAL (ENGLISH)
04	TQB4GC1413	1	PC	OPERATING MANUAL (CHINESE SIMPLIFIED)
05	TXFKL01TTUJ	1	PC	FALL PREVENTION BAND ASS'Y
06	THEJ051N	1	PC	SCREW
07	TKLA3401	1	PC	FALL-PREVENTION_BAND
08	TQE6691	1	PC	PLASTIC ENVELOPE
09	XTWT4 + Z15DFJ	1	PC	SCREW

7.8. Pedestal Assembly

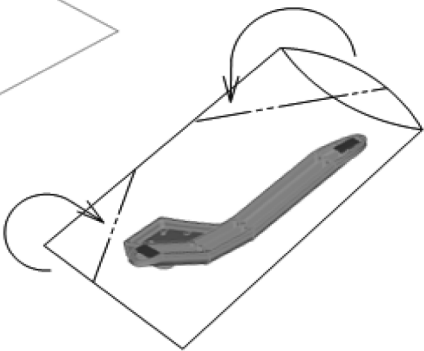
Fix pedestal follow below, need screw first before stick rubber foot.



1. Insert pedestal ass'y into the bag



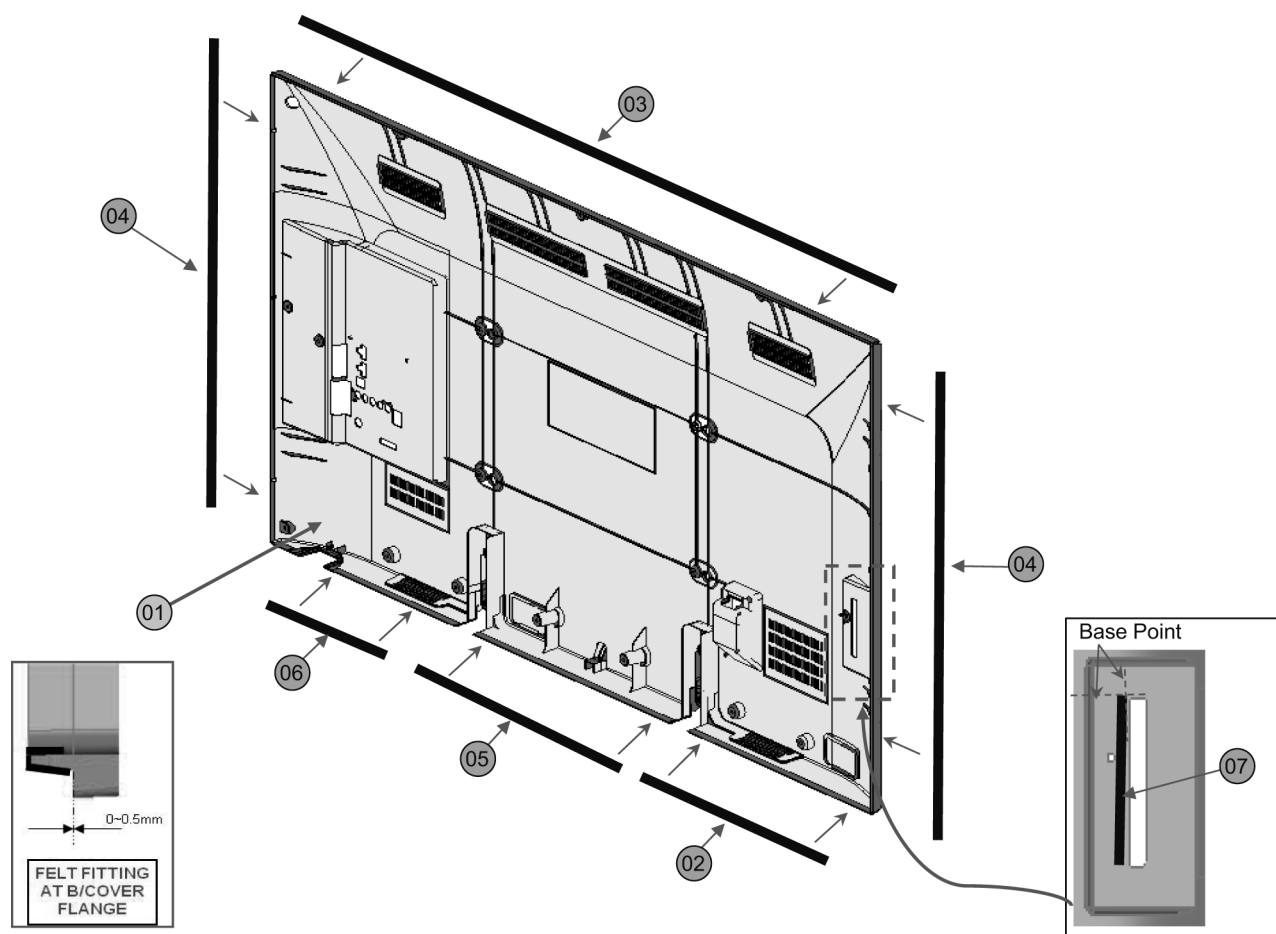
2. Completion – fold the bag



NO	PART NO	QTY	UOM	DESCRIPTION
01	TBL4GA30522	1	PC	PEDESTAL BASE R
02	TBL4GA30532	1	PC	PEDESTAL BASE L
03	TBL5ZG30211	4	PC	RUBBER FOOT
04	TPE4GH131	2	PC	BAG (PEDESTAL)

7.9. Back Cover

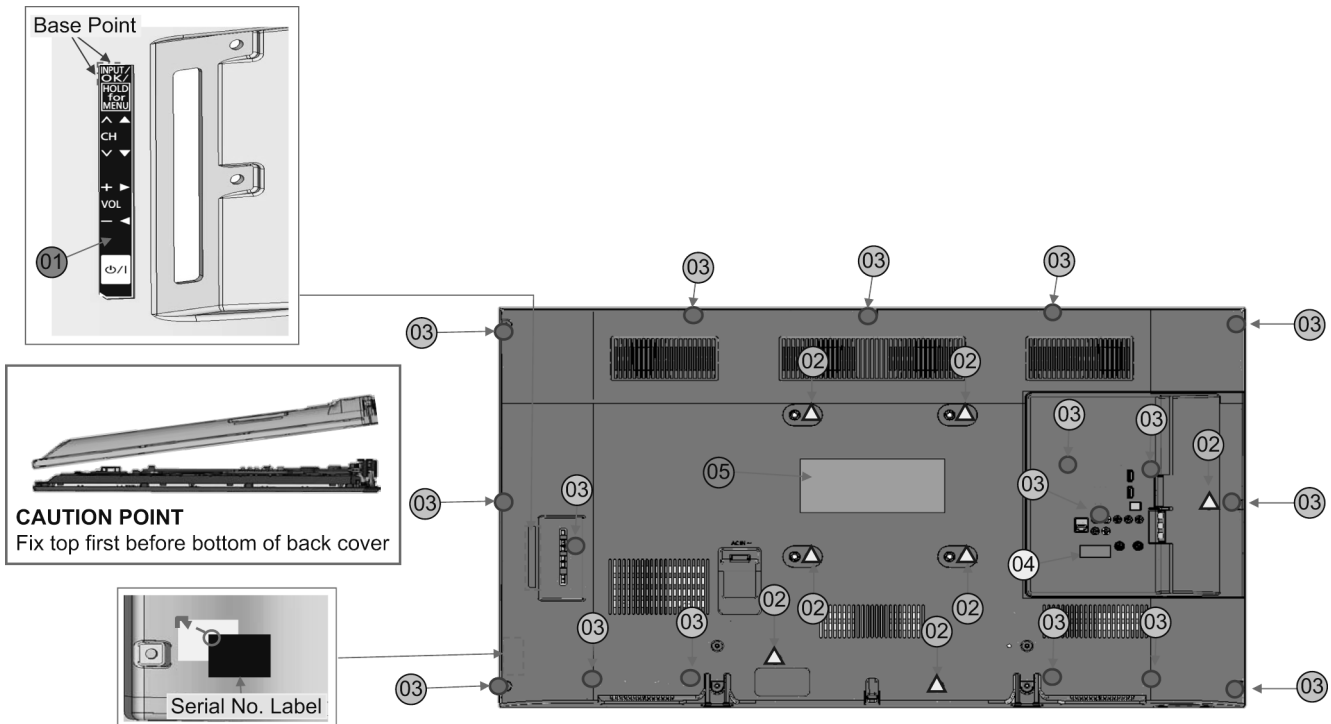
Stick felt at back cover.



NO	PART NO	QTY	UOM	DESCRIPTION
01	TKU5ZC07201	1	PC	BACK_COVER
02	TMK4GA073	1	PC	FELT (10 × 260 × 0.35t)
03	TMK4GA193	1	PC	FELT (10 × 960 × 0.35t)
04	TMK4GA003	2	PC	FELT (12 × 540 × 0.35t)
05	TMK4GA101	1	PC	FELT (10 × 355 × 0.35t)
06	TMK4GA055	1	PC	FELT (10 × 125 × 0.35t)
07	TMK4GA117	1	PC	FELT (5 × 80 × 0.55T)

7.10. Back Cover - Label & Screw

1. Fix back cover and screw.
2. Stick side button label and serial number label.



NO	PART NO	QTY	UOM	DESCRIPTION	REMARK
01	TBM4GU3151	1	PC	SIDE_BUTTON_LABEL	
02	THEC1509	7	PC	SCREW (BC3/VESA4)	06 ± 1 Kgf.cm
03	THTD037J	17	PC	SCREW (BC9/AV3/CRTL1/SP4)	06 ± 1 Kgf.cm
04	TBM4GU113	1	PC	ADJUSTMENT SHEET	
05	TBM4GD6678	1	PC	MODEL NAME PLATE	

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)	Remark
SUB1.2V	TP8004	1.14 - 1.26	-
SUB3.3V	TP8003	3.19 - 3.46	-
SUB5V	TP8002	4.92 - 5.25	-
STB5V	TP8009	5.3 ± 0.3	-
PNL12V	TP4300	11.5 - 12.5	-

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	
		Step 1	Step 2
24V	TP7407	<1V	32 ± 1.6V
16V	TP7410	<1V	15.7 ± 0.8V
5VS	TP7501	5.2 ± 0.2V	5.2 ± 0.2V
PFC	TP7201 or TP7202	<340V	390V ± 15V

Step 1 Supply AC 100V/230 to JK7101 connector in the P-Board. Main power button is OFF.

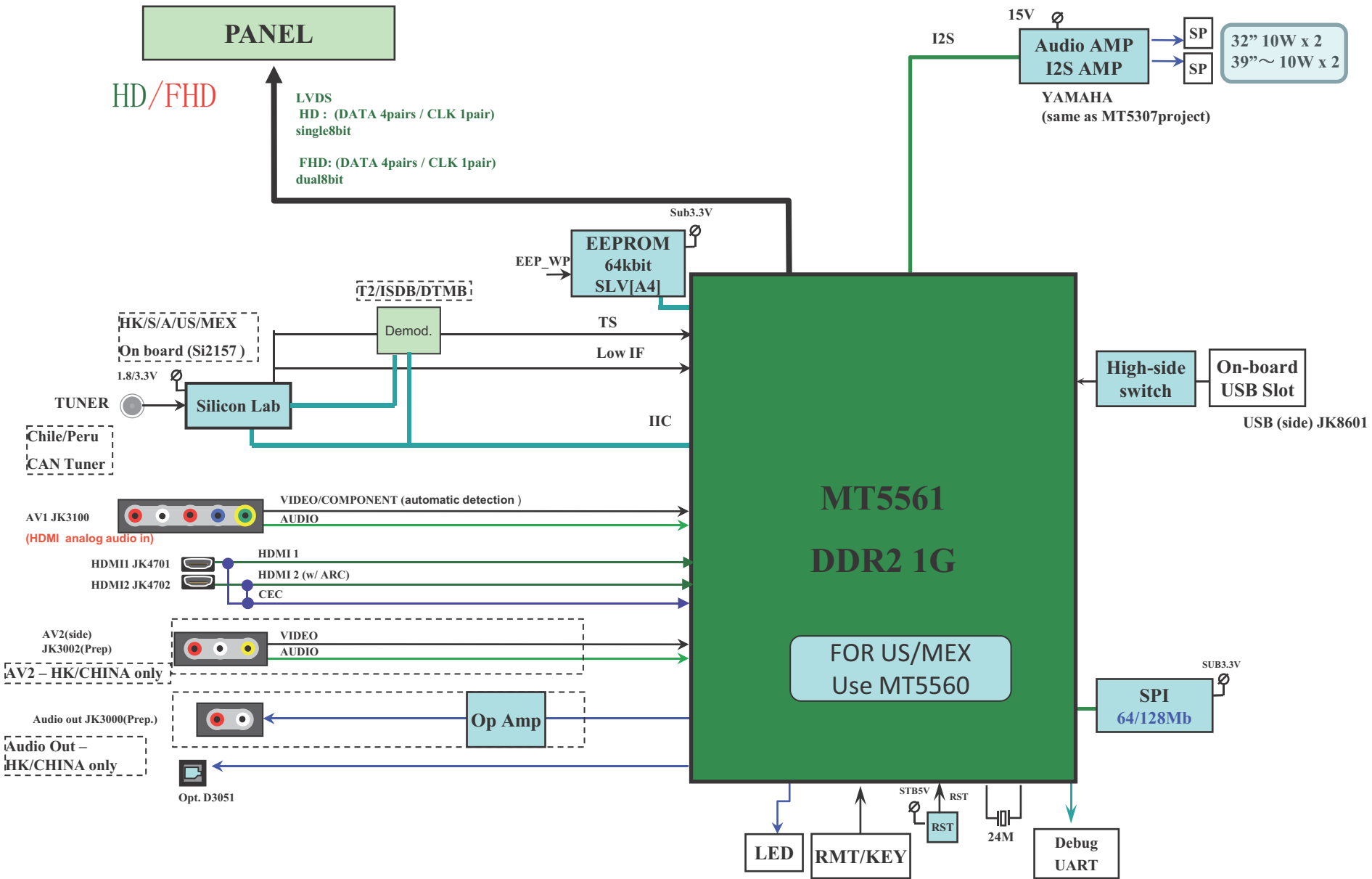
Step 2 TV_SUB_ON P2 connector - pin 8 (TP7416) DC2.5V ON.

Supply DC 2.5V to TV_SUB_ON P2 connector - pin 8 (TP7416), displayed as SWITCH.

NOTE : GND REFERENCE TP7413/TP7414/TP7415/TP7515/TP7516/TP7517 (COLD SIDE)

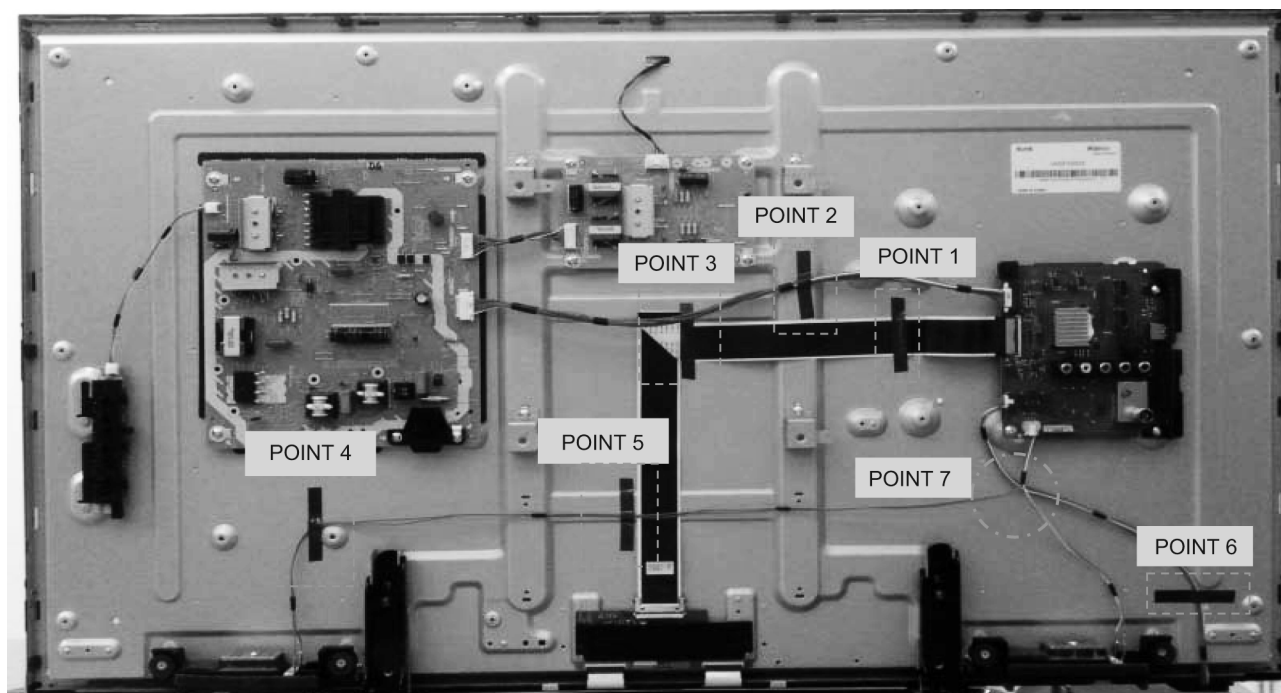
9 Block Diagram

9.1. Main Block Diagram



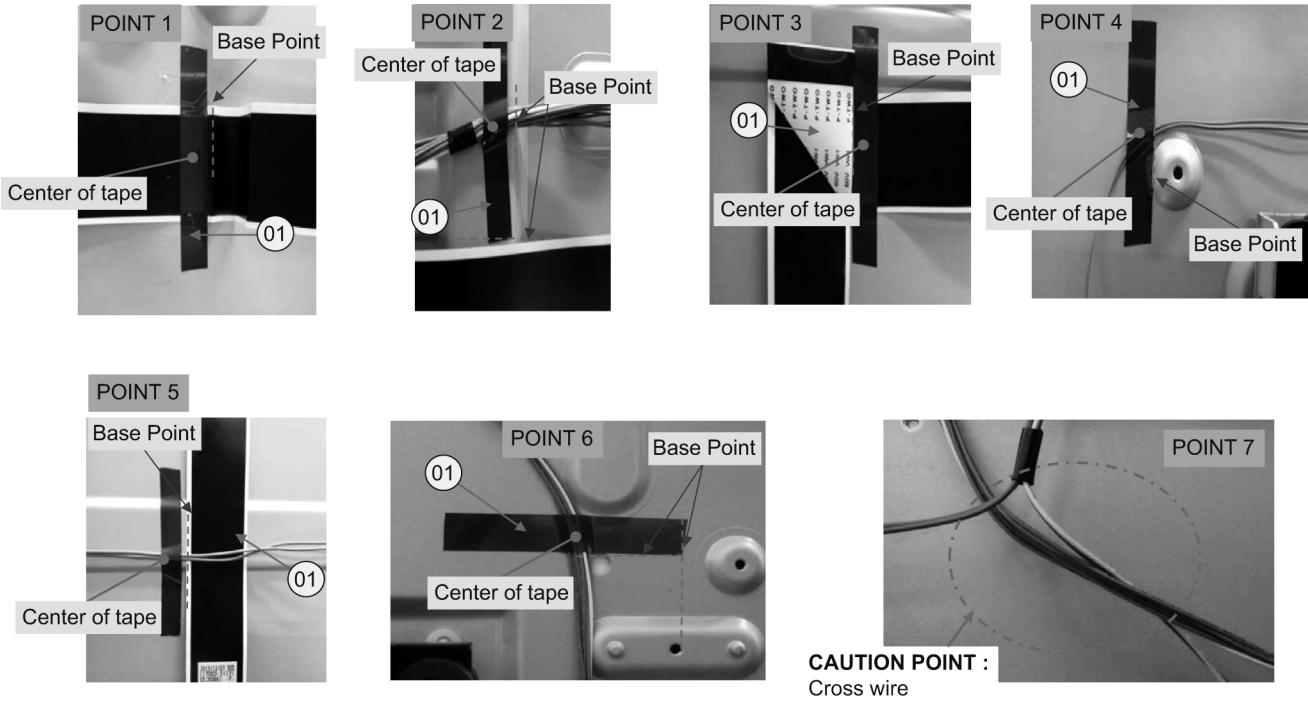
10 Wiring Connection Diagram

10.1. Wire Dressing 1



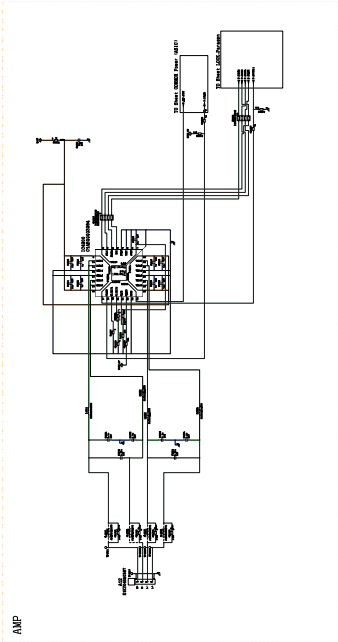
10.2. Wire Dressing 2

Stick pet tape for wire dressing.



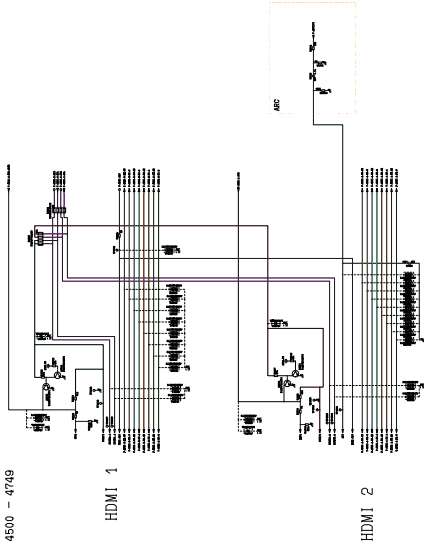
NO	PART NO	QTY	UOM	DESCRIPTION	REMARK
01	T4FP10050	0.59	MT	PET_TAPE (0.06*6)	60 mm × 6 pcs

Audio-AMP
REF No. 4900 - 4999



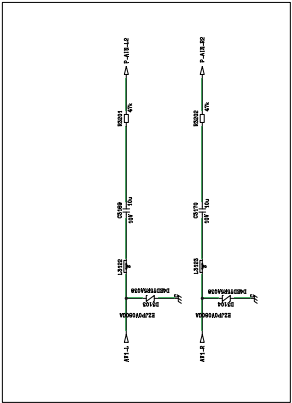
HDMI Connector IF
REF No. 4500 - 4749

SHEET 003
HDMI / AudioAMP

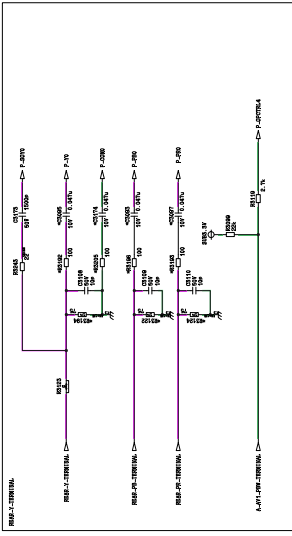


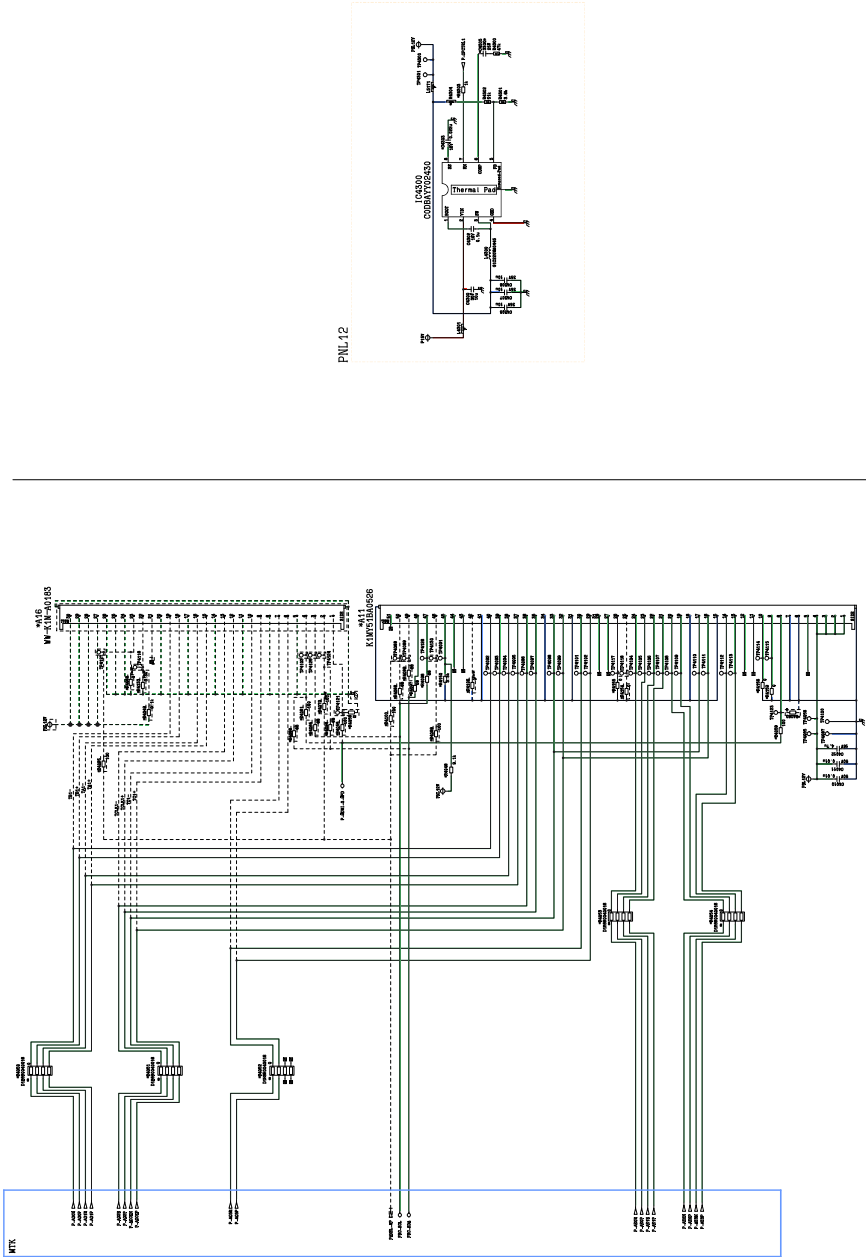
SHEET 004
AVSW-Connection
REF No. 3000 - 3399

VIDEO/AUDIO IN



YPbPr



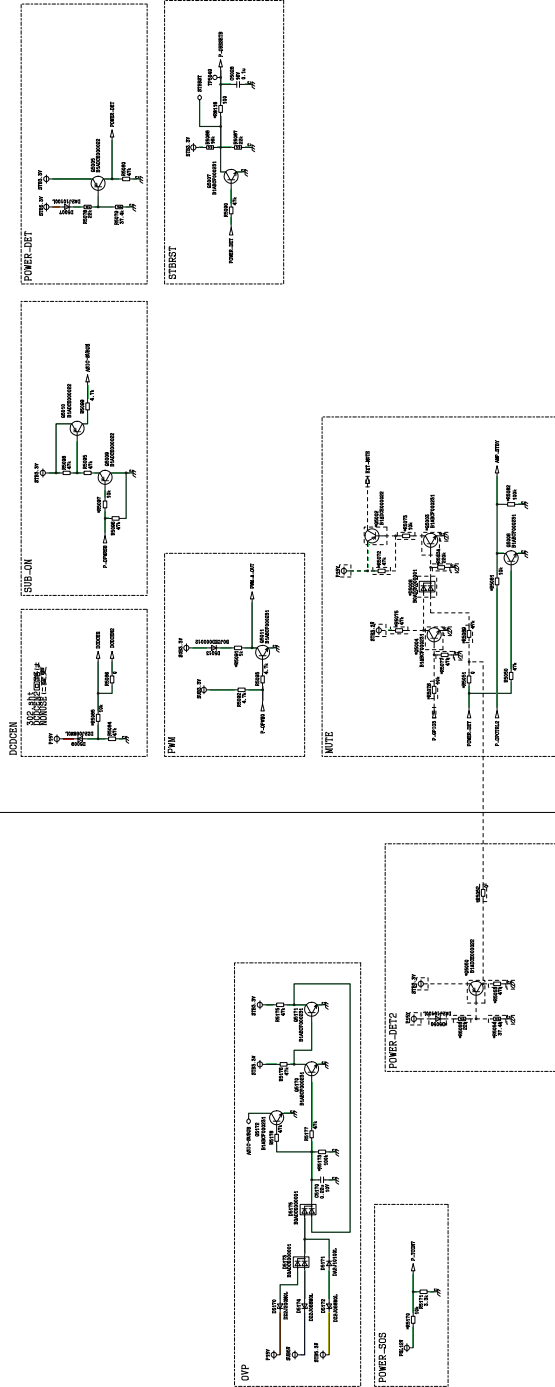


SHEET 009
LVDS-IF
REF No. 4000 - 4499

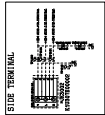
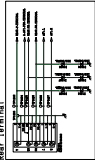
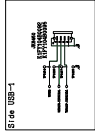
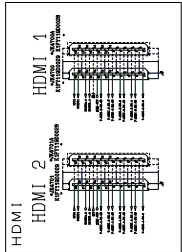
SOS
REF No. 5170 – 5199

Anallog ASIC
REF No. 5000 – 5139

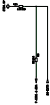
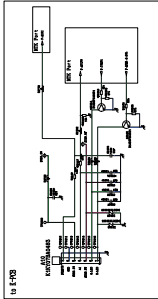
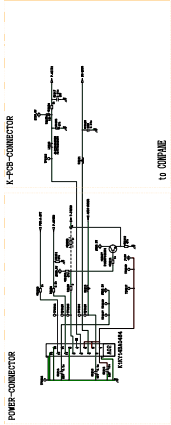
SHEET 100
SOS / ASIC

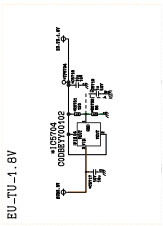
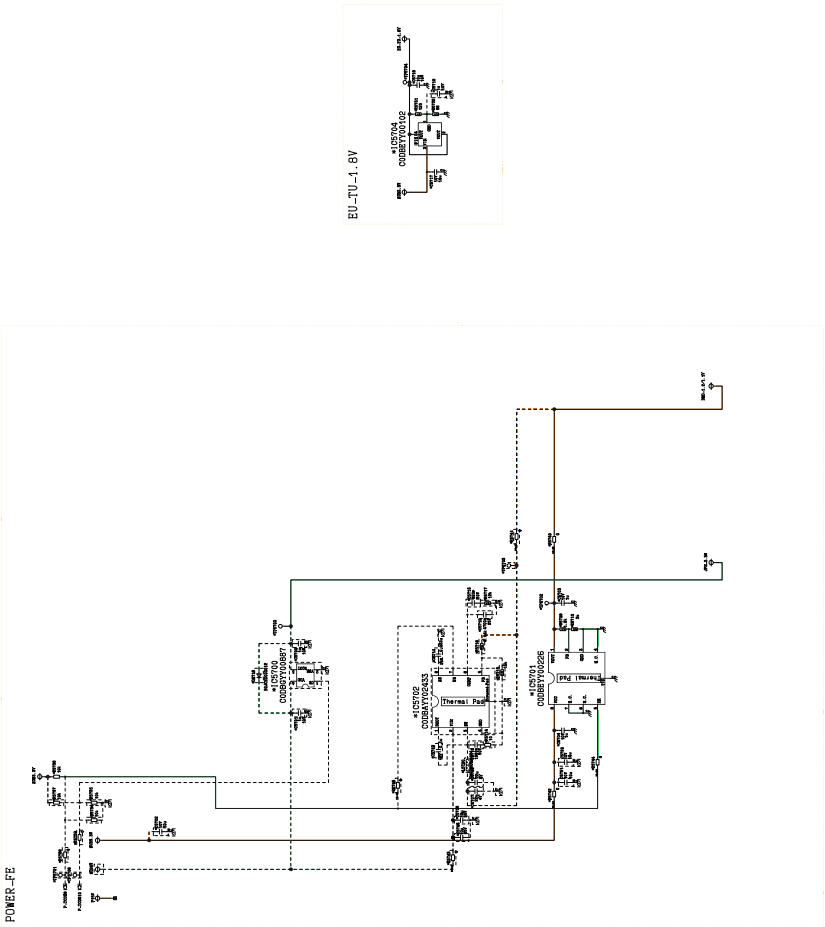


Terminal
REF No. 1000 - 1099

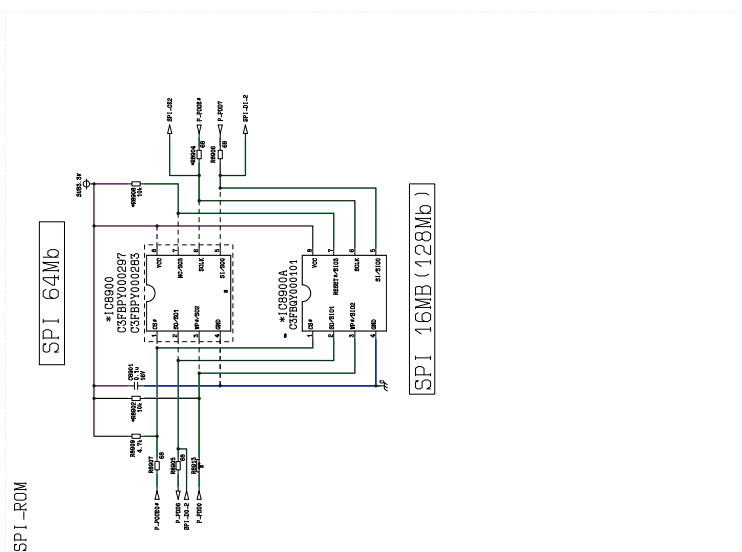
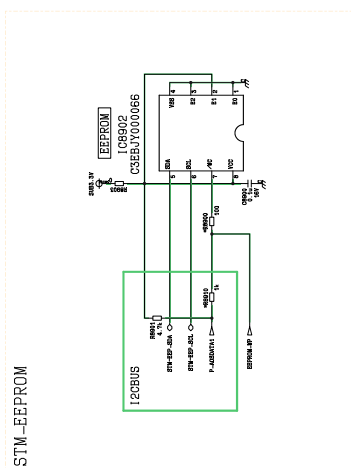


Set
REF No. 2000 - 2499





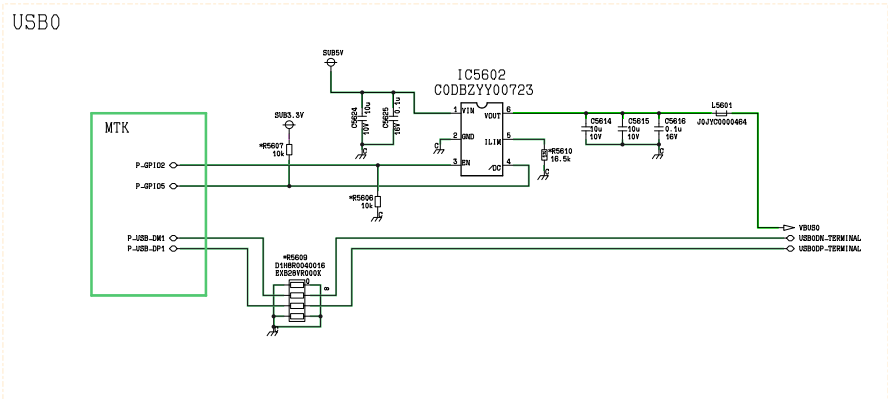
SHEET 300
SPI / E2PROM
CRNo : 8900 - 8999



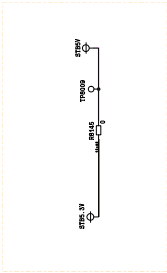
SHEET 301

USB

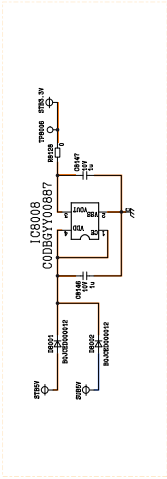
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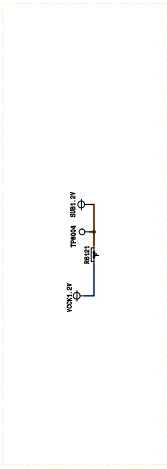
STB5V



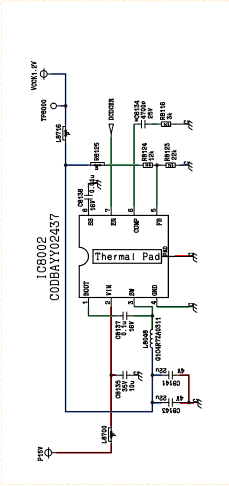
STB3.3V



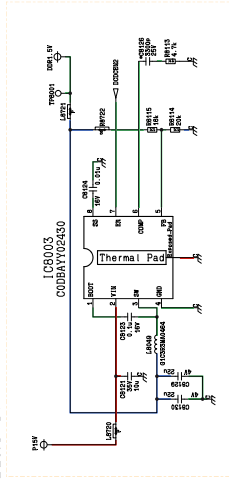
SUB1.2V



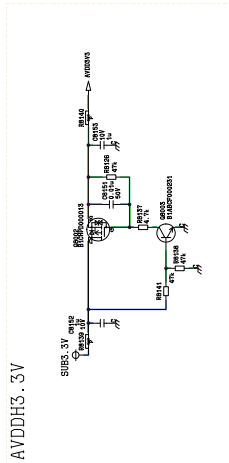
VCC1.2V



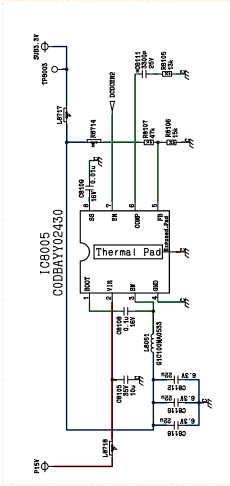
DDR1.5V



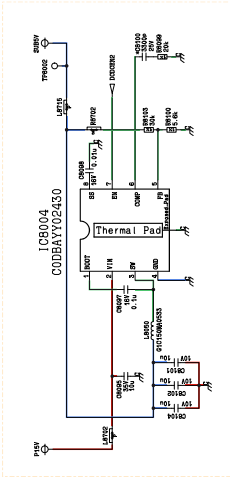
AVDDH3.3V



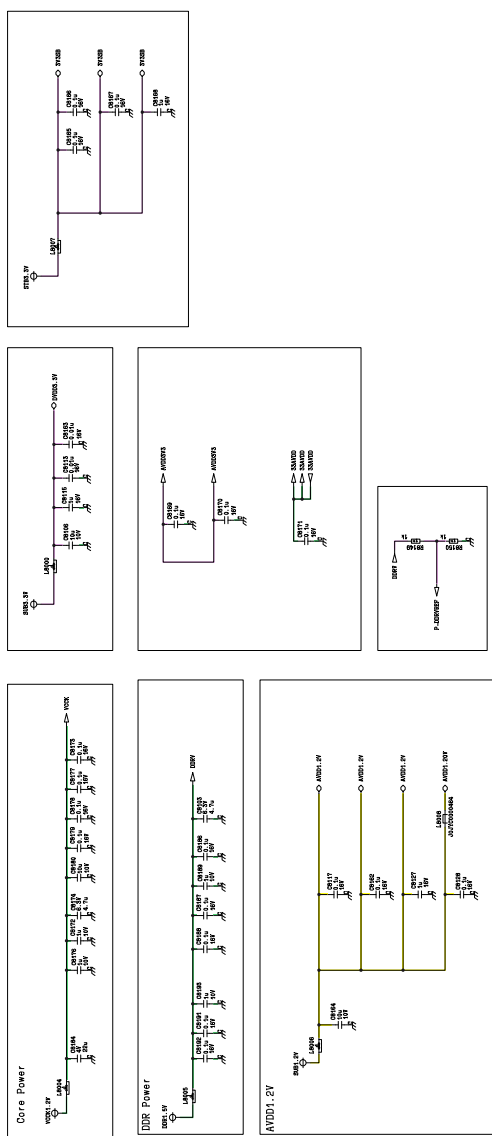
SUB3.3V



SUB5V

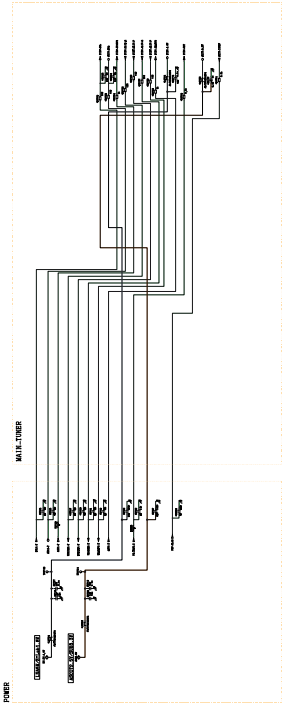
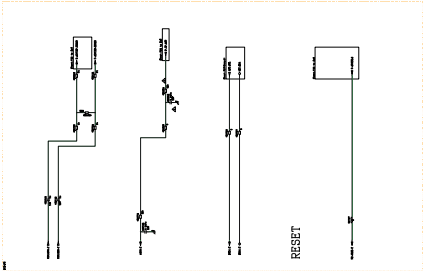
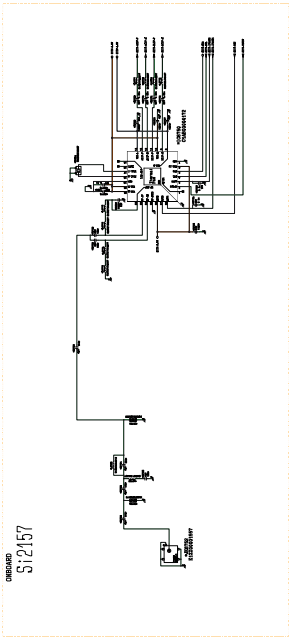


POWER

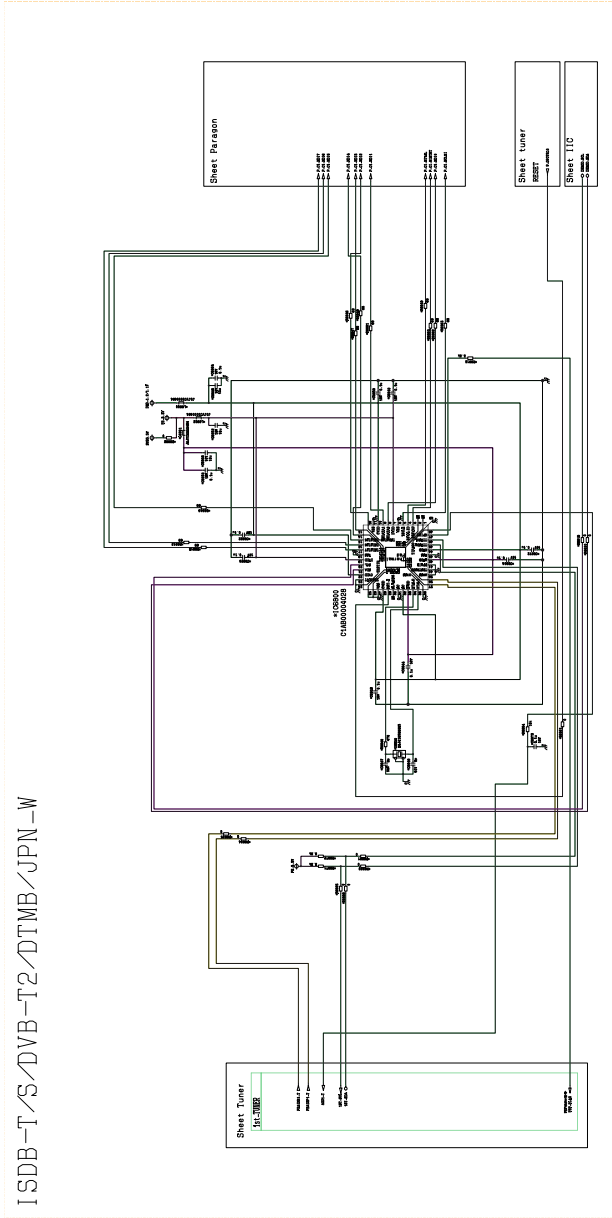


SHEET 701
POWER DIVIDING

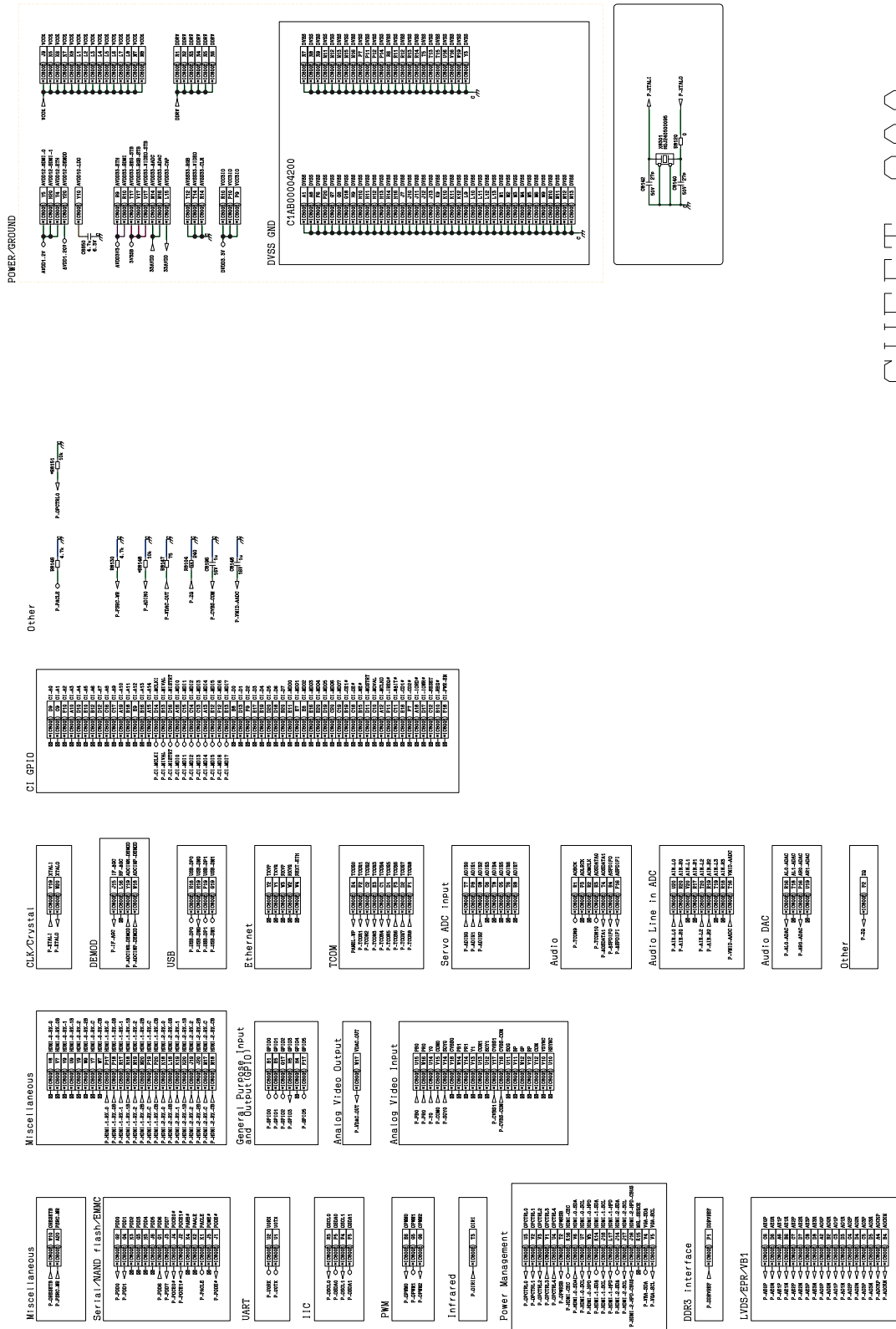
SHEET 706
TUNER



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



SHEET 707
Demod
CRNo : 6800 - 6999

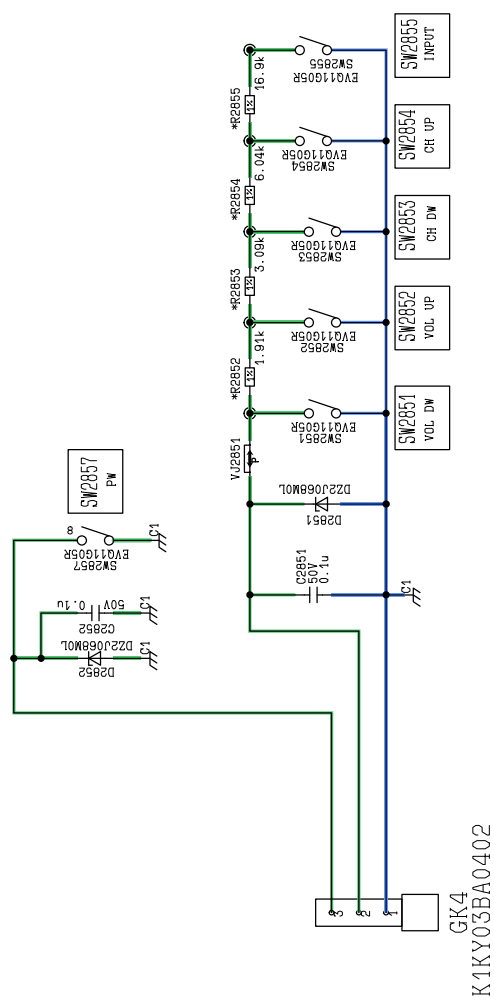


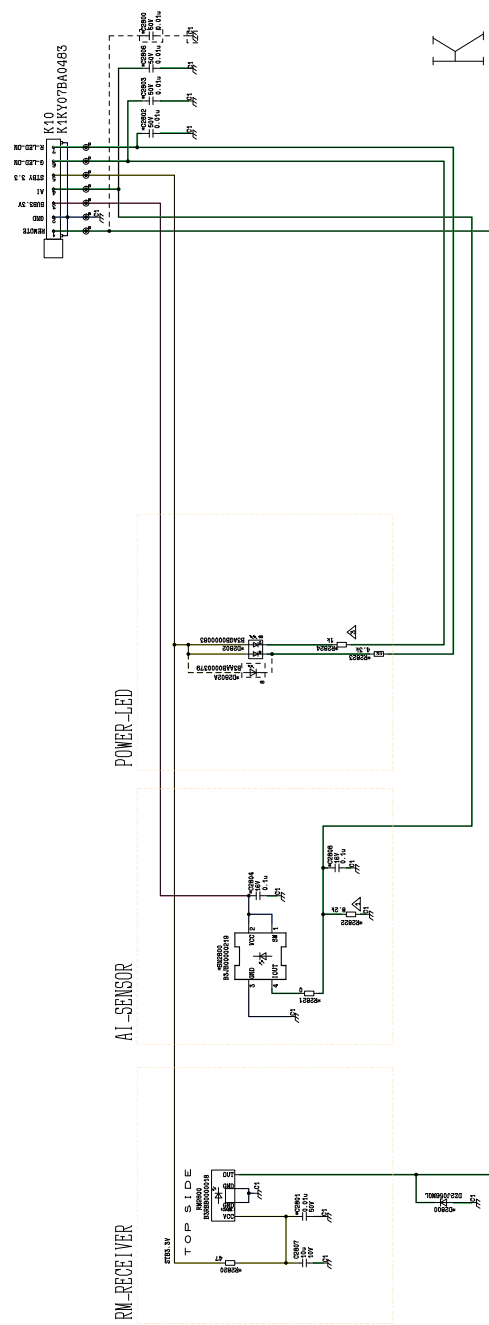
SHEET 900
POWER MT556X

GK BOARD

TNP A5917AA

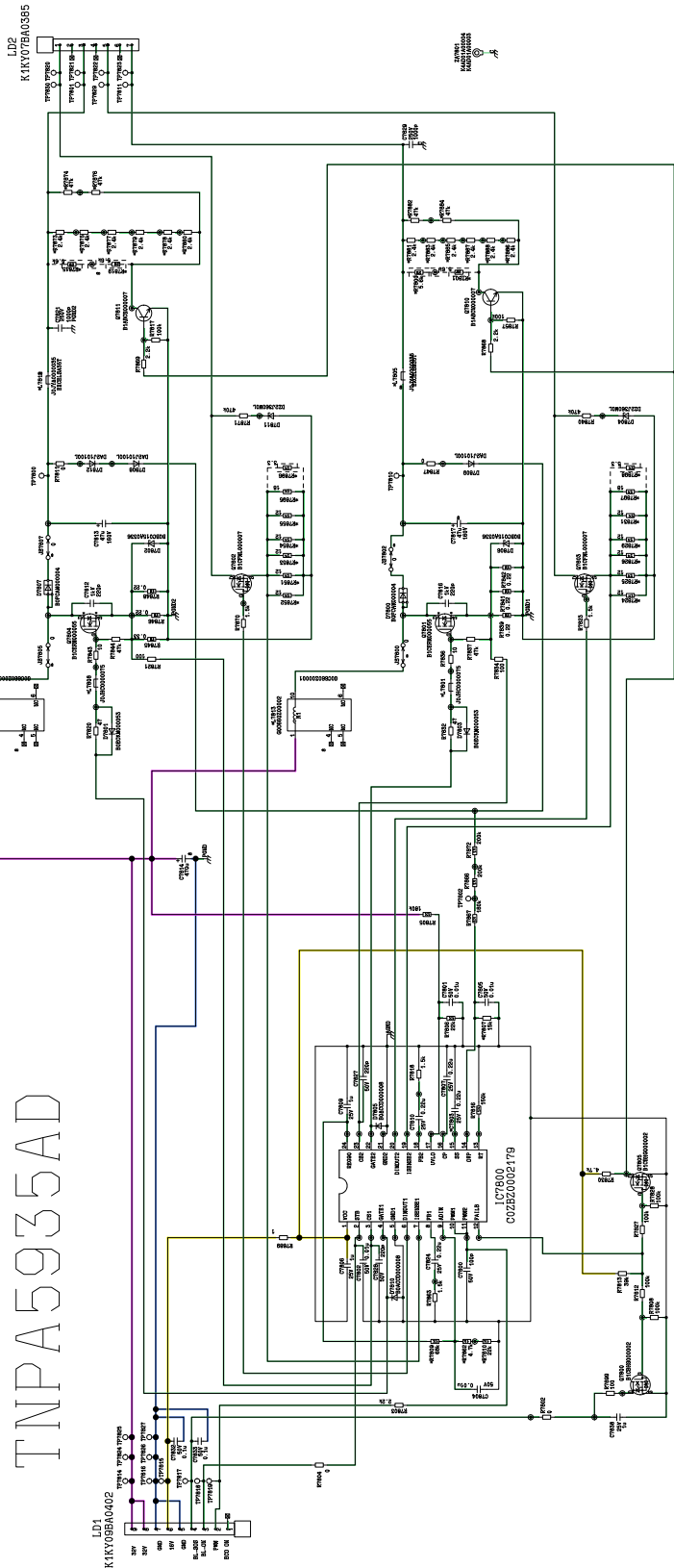
CRNo. : 2850 ~ 2879

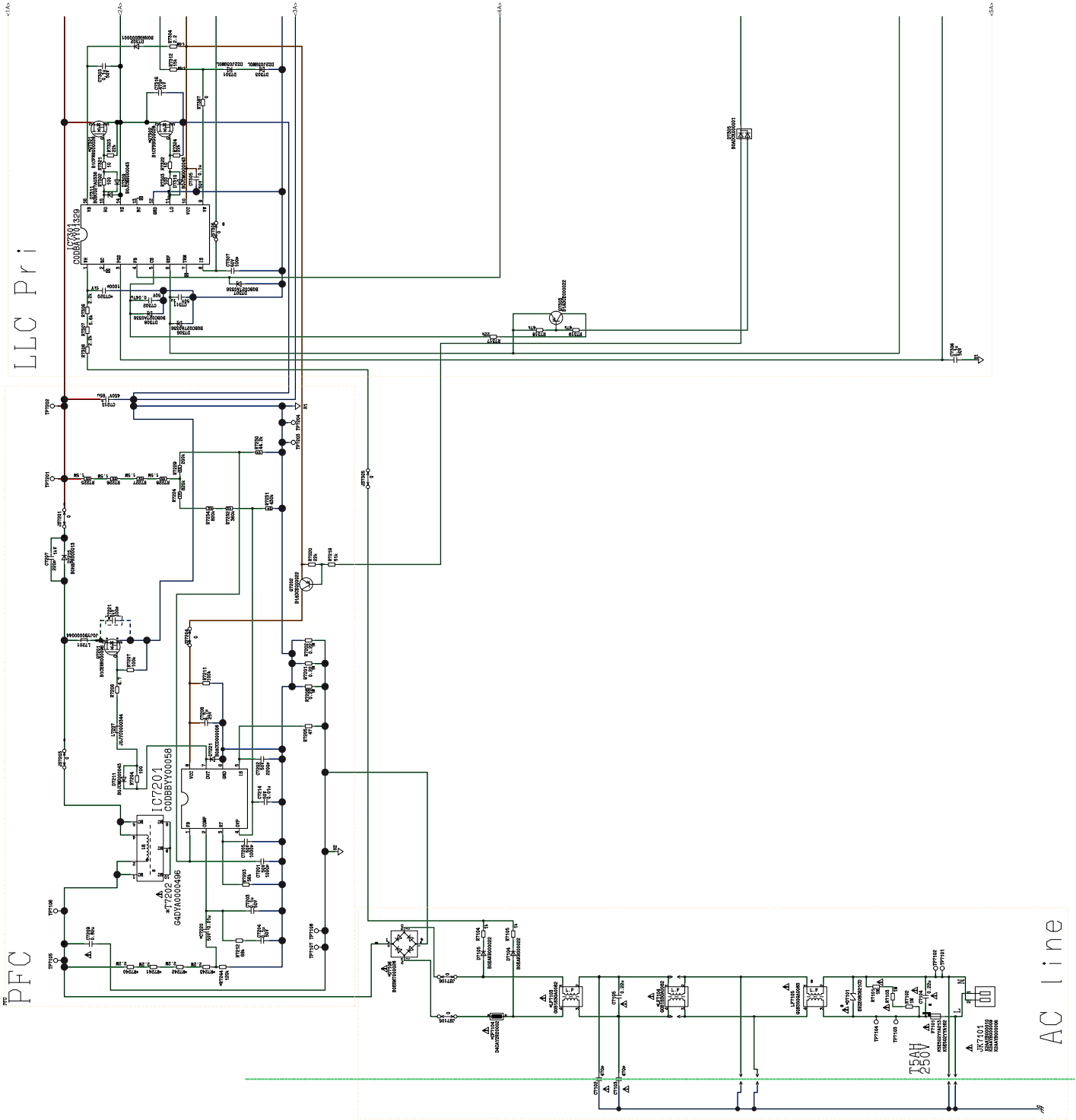


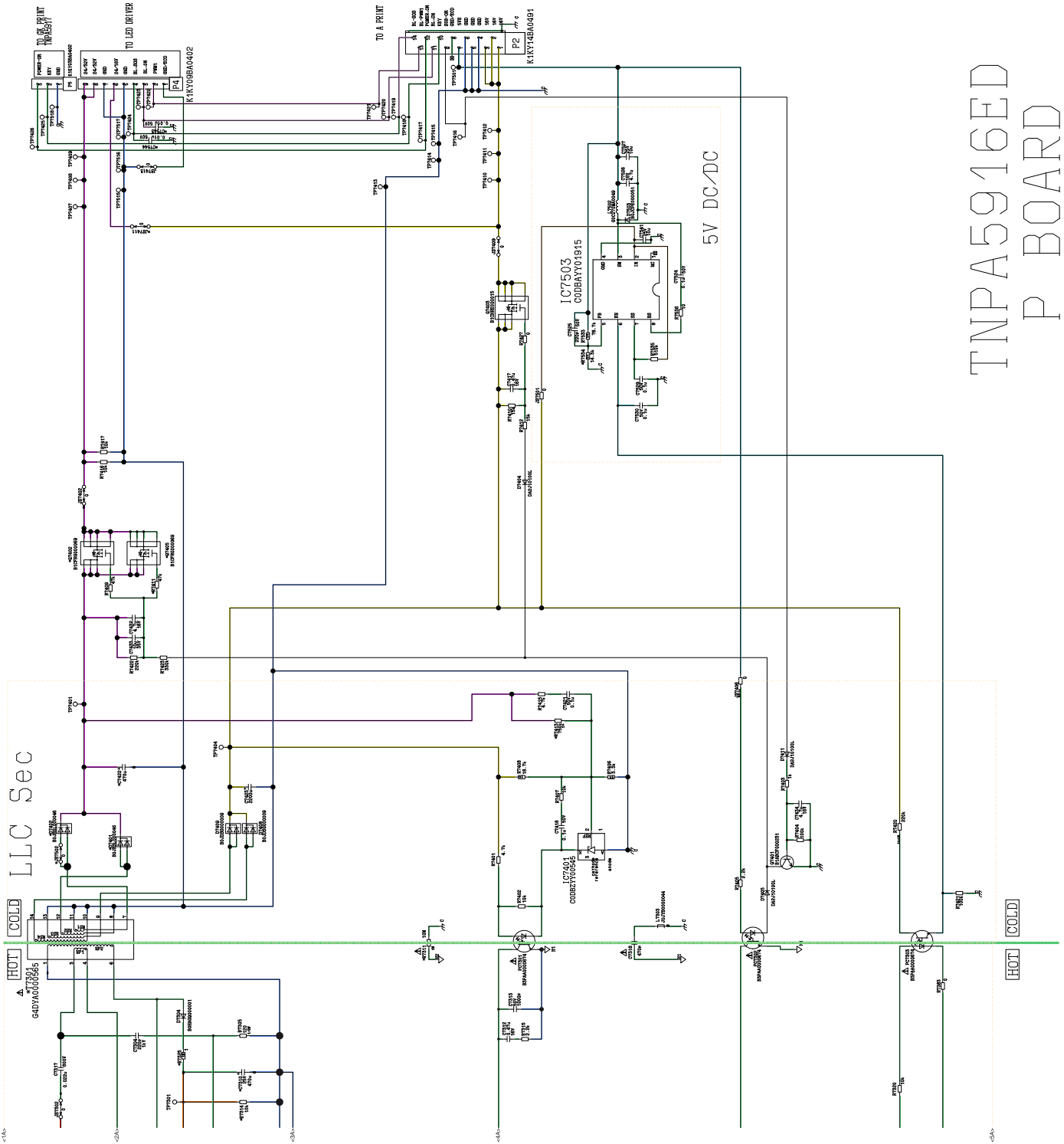


K BOARD
TNPA6010AB

LD BOARD
TNPA5935AD



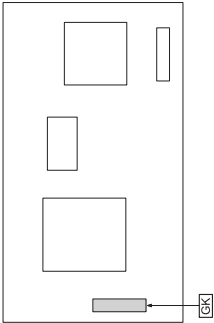




TNPA5916ED
P BOARD

A-BOARD (TOP COMPONENT SIDE)
TNF4G565

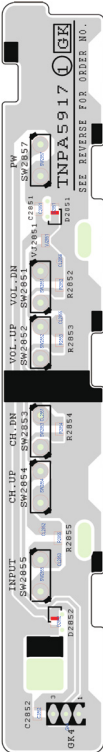
Ref. No	Location	Ref. No	Location
IC2000	B5	D0900	B1
IC4300	A3	D0909	B1
IC4900	A2	D3101	D3
IC5602	E3	D4502	D5
IC5701	D4	D4503	D5
IC5702	E4	D4504	C5
IC5704	D3	D4505	C5
IC6750	D2	D4506	D5
IC6751	D2	D4507	D5
IC8900	B2	D4508	C5
IC8901	C4	D4509	C5
IC8902	B3	D4528	D4
IC8903	B3	D4529	D4
IC8904	C5	D4530	C4
IC8905	B5	D4531	C4
		D4532	D4
		D4533	D4
		D4534	C4
		D4535	C4
		D6750	D1
		D6752	D1



6
5
4
3
2
1

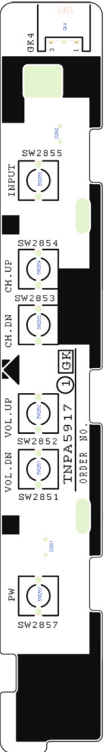
A B C D E F G H I J

GK-BOARD (TOP COMPONENT SIDE)
TNPAS917

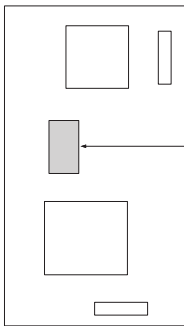


Parts Location	
Ref.No	Location
D2851	D1
D2852	A2

GK-BOARD (BOTTOM COMPONENT SIDE)
TNPAS917

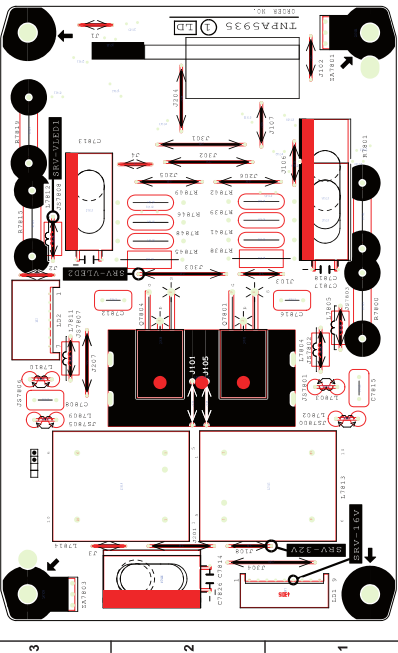
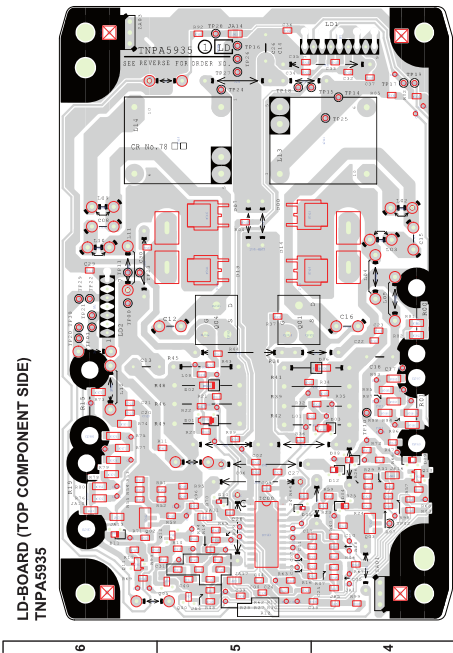


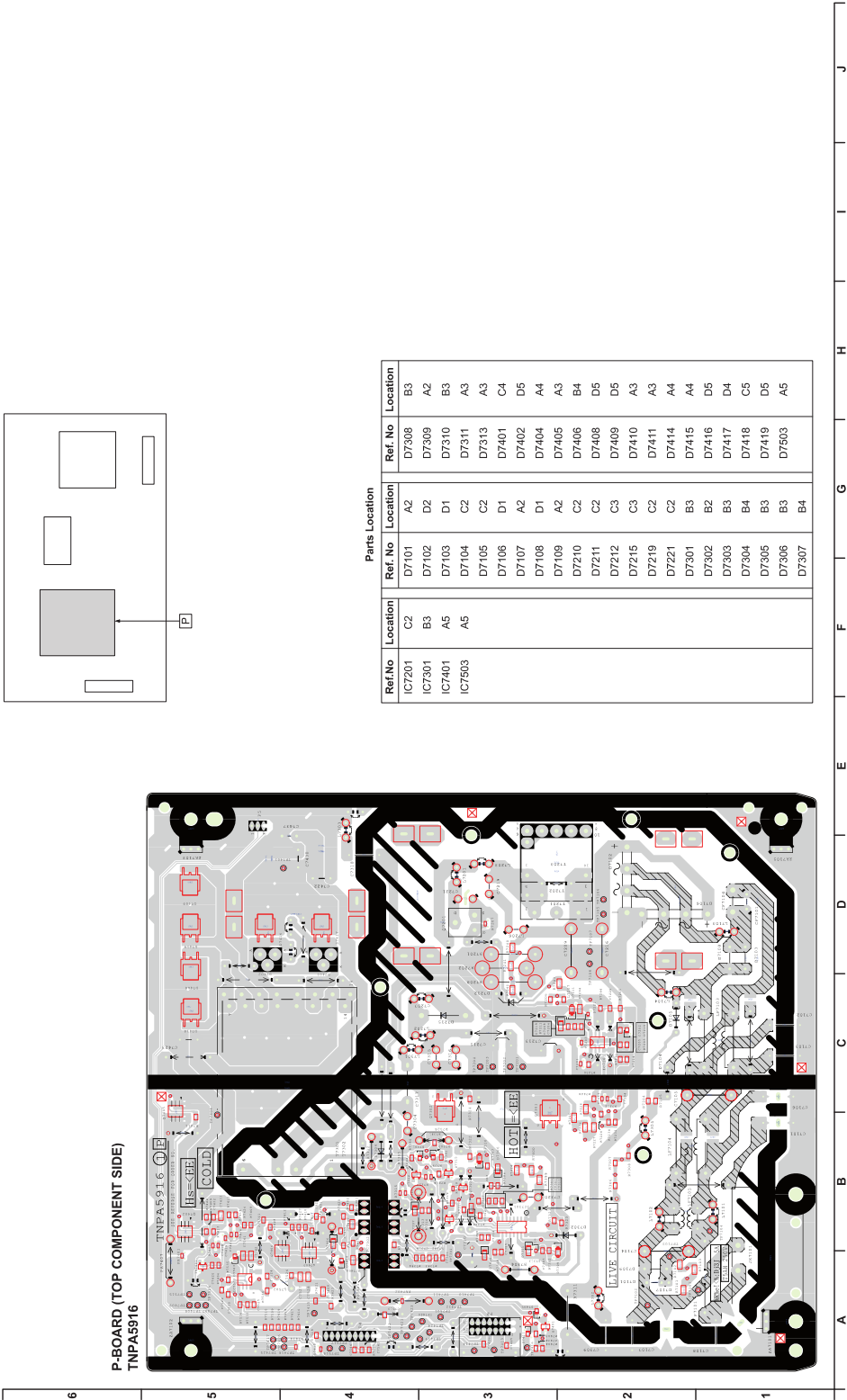
Parts Location	
Ref.No	Location
D2851	B1
D2852	E1

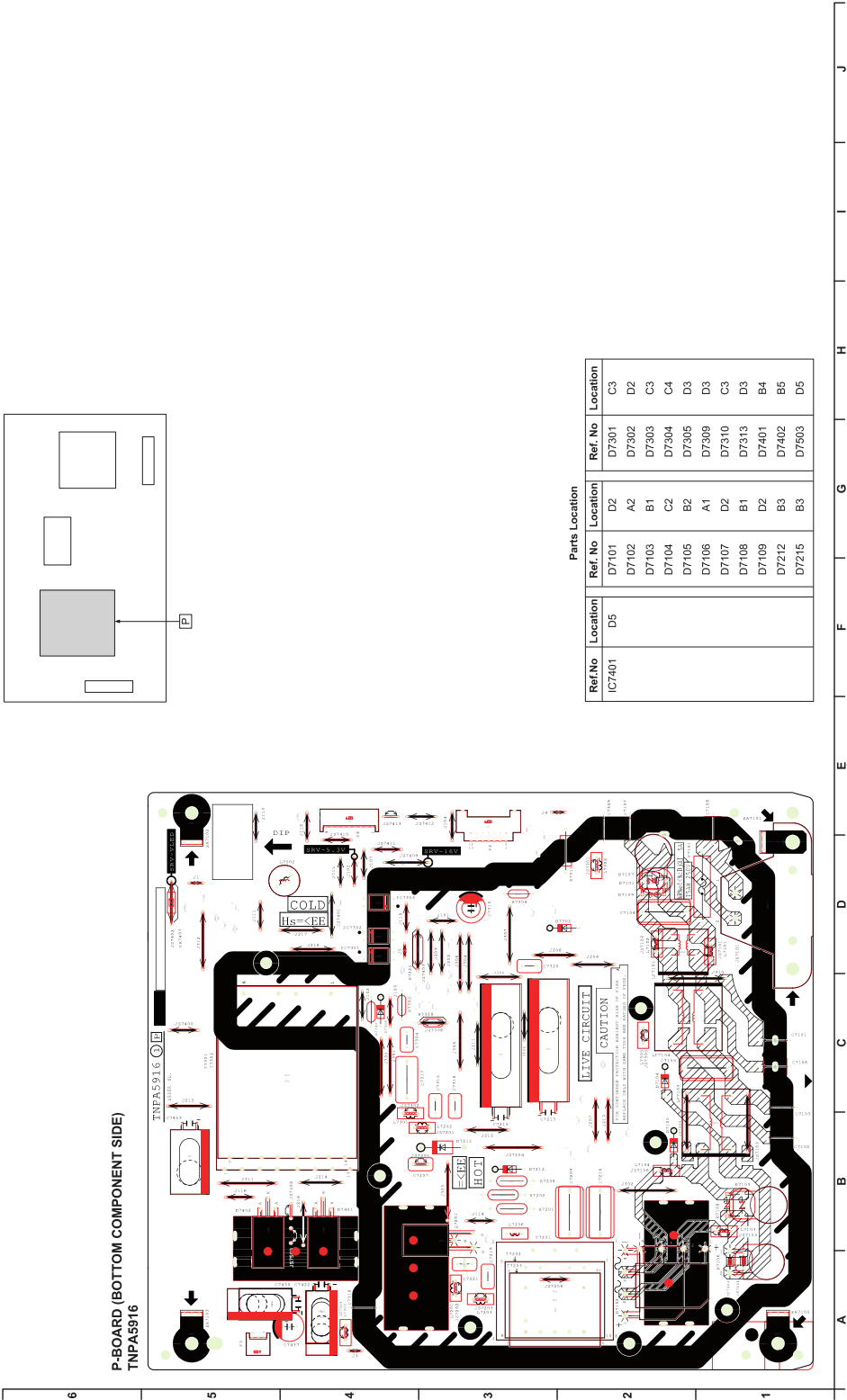


Parts Location			
Ref.No	Location	Ref. No	Location
IC7800	A5	D7808	B4
		D7809	B4
		D7810	A5
		D7811	A6
		D7812	B4
		D7813	C5
		D7814	C4
		D7807	C5

Parts Location			
Ref.No	Location	Ref. No	Location
D7801	C2	D7805	D2
D7803	C2	D7808	D1
D7804	D1	D7809	D1
		D7810	D2
		D7811	D3
		D7812	D1

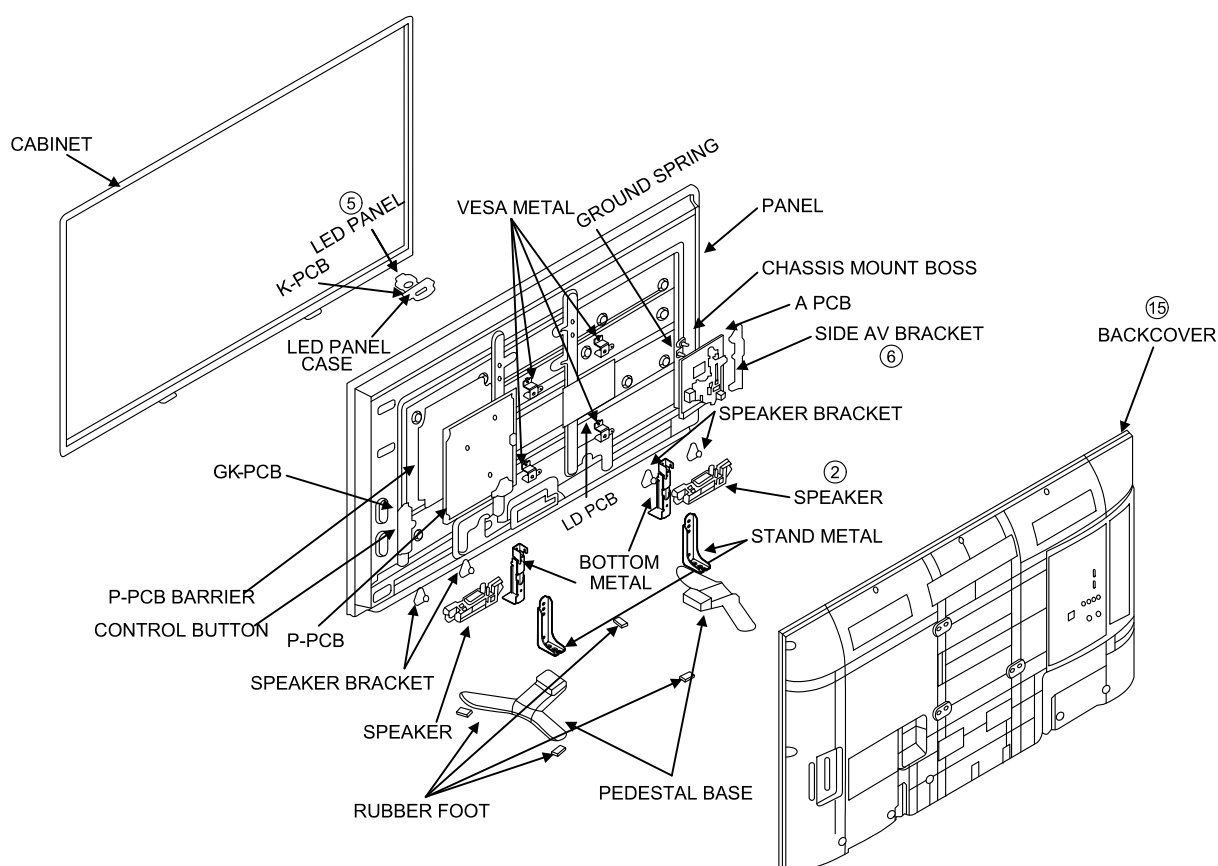






13 Exploded View and Replacement Parts List

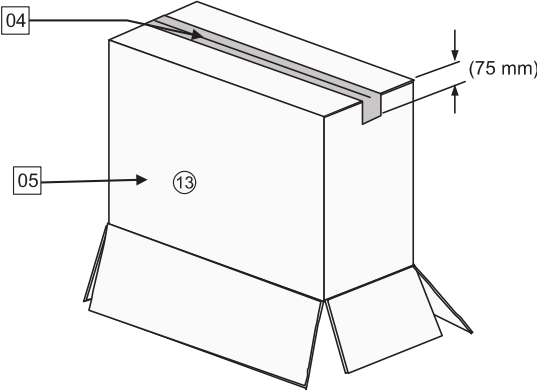
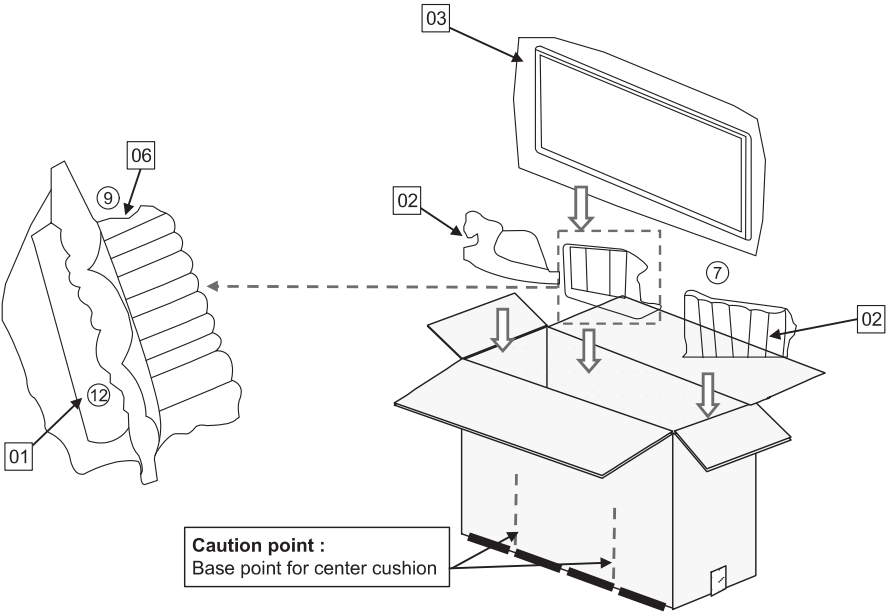
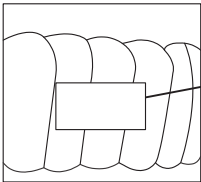
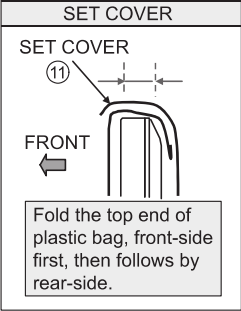
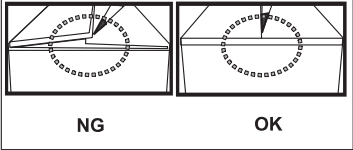
Model No. : TH-42C410S Parts Location



Model No. : TH-42C410S Packing Exploded View 1

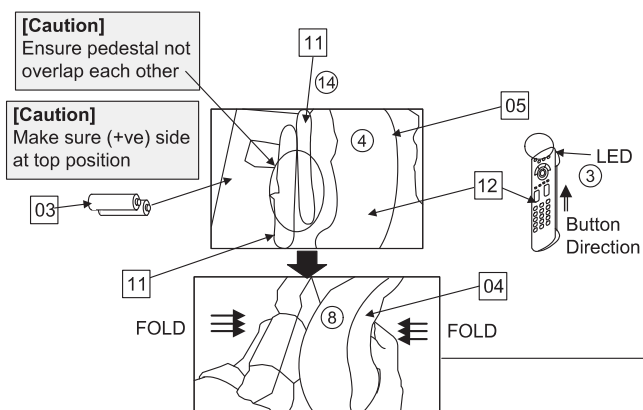
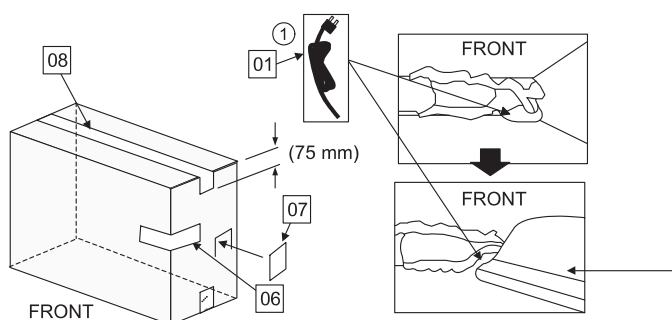
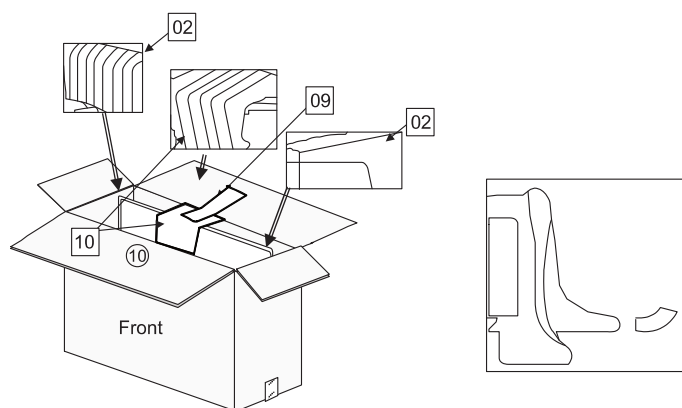
NO	PART NO	QTY	UOM	DESCRIPTION	REMARK
01	TQZ4GB960	1	PC	FAN_BAG_ASSY	
02	TPD4GA07081	2	PC	CUSHION_CORNER	
03	TPE4GH073	1	PC	SET_BAG	
04	T5EJ28720	2.93	MT	PP TAPE (BTM1.395/TOP1.395/CUSHION 0.14)	1395 mm x 1 pc
05	TPC4GA39703	1	PC	CARTON	
06	TPD4GA07101	1	PC	CUSHION_BOTTOM_CENTRE	

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



Model No. : TH-42C410S Packing Exploded View 2

NO	PART NO	QTY	UOM	DESCRIPTION	REMARK
01	K2CQ2YY00122	1	PC	AC CORD	
02	TPD4GA07081	2	PC	CUSHION_CORNER	
03	R6UWC/2SKD	1	PC	BATTERY	
04	TPD4GA07091	1	PC	CUSHION_ACCESSORY_L	
05	TBL5ZX08911	1	PC	STAND METAL ASSY	
06	TQF4GK484	1	PC	CARTON_LABEL	
07	TXFQD01RDUK	1	PC	LABEL COMBINATION	
08	T5EJ28720	2.93	MT	PP TAPE (BTM1.395/TOP1.395/CUSHION 0.14)	1395 mm x 1 pc
09	T5EJ28720	2.93	MT	PP TAPE (BTM1.395/TOP1.395/CUSHION 0.14)	140 mm x 1 pc
10	TPD4GA07111	1	PC	CUSHION_TOP_CENTRE	
11	TBL4GX00281	1	PC	PEDESTAL ASSY	
12	N2QAYB000976	1	PC	REMOTE_TRANSMITTER	



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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
CAPACITOR						
		C2008	F1G1E103A144	C 0.01UF, 25V		
		C2014	F1H1E104A161	C 0.1UF, 25V		
		C2015	F1K1V106A010	C 10UF, 35V		
		C2016	F1G1C104A146	C 0.1UF, 16V		
		C2017	F1G1C103A173	C 0.01UF, 16V		
		C2023	F1G1H102A946	C 1000PF, 50V		
		C2024	F1G1H102A946	C 1000PF, 50V		
		C2025	F1G1H102A946	C 1000PF, 50V		
		C2026	F1G1H102A946	C 1000PF, 50V		
		C2027	F1G1H102A946	C 1000PF, 50V		
		C2028	F1G1H101A948	C 100PF, 50V		
		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		
		C3093	F1G1A473A079	C 0.047UF, 10V		
		C3095	F1G1A473A079	C 0.047UF, 10V		
		C3097	F1G1A473A079	C 0.047UF, 10V		
		C3108	F1G1H100A948	C 10PF, 50V		
		C3109	F1G1H100A948	C 10PF, 50V		
		C3110	F1G1H100A948	C 10PF, 50V		
		C3169	F1J1A106A043	C 10UF, 10V		
		C3170	F1J1A106A043	C 10UF, 10V		
		C3173	F1G1H152A946	C 1500PF, 50V		
		C3174	F1G1A473A079	C 0.047UF, 10V		
		C4010	F1H1H103B047	C 0.01UF, 50V		
		C4011	F1H1H103B047	C 0.01UF, 50V		
		C4012	F1J1C475A225	C 4.7UF, 16V		
		C4300	F1K1V106A010	C 10UF, 35V		
		C4302	F1G1C104A146	C 0.1UF, 16V		
		C4303	F1G1C223A173	C 0.022F, 16V		
		C4305	F1G1E332A172	C 3300PF, 25V		
		C4306	F1K1V106A010	C 10UF, 35V		
		C4307	F1K1V106A010	C 10UF, 35V		
		C4308	F1K1V106A010	C 10UF, 35V		
		C4502	F1G1C104A146	C 0.1UF, 16V		
		C4503	F1G1H101A948	C 100PF, 50V		
		C4900	F1K1V106A010	C 10UF, 35V		
		C4901	F1K1V106A010	C 10UF, 35V		
		C4902	F1J1E105A287	C 1UF, 25V		
		C4903	F1K1V106A010	C 10UF, 35V		
		C4904	F1J1E105A287	C 1UF, 25V		
		C4905	F1H1C105A167	C 1UF, 16V		
		C4906	F1K1V106A010	C 10UF, 35V		
		C4907	F1J1E105A287	C 1UF, 25V		
		C4908	F1K1V106A010	C 10UF, 35V		
		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		
		C5028	F1G1C104A146	C 0.1UF, 16V		
		C5170	F1G1A224A069	C 0.22UF, 10V		
		C5614	F1J1A106A043	C 10UF, 10V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C5615	F1J1A106A043	C 10UF, 10V		
		C5616	F1G1C104A146	C 0.1UF, 16V		
		C5624	F1J1A106A043	C 10UF, 10V		
		C5625	F1G1C104A146	C 0.1UF, 16V		
		C5703	F1G1A105A047	C 1UF, 10V		
		C5704	F1G1A105A047	C 1UF, 10V		
		C5717	F1J1A106A043	C 10UF, 10V		
		C5718	F1J1A106A043	C 10UF, 10V		
		C6704	F1J1A106A043	C 10UF, 10V		
		C6705	F1G1C473A146	C 0.047F, 16V		
		C6707	F1G1C104A146	C 0.1UF, 16V		
		C6708	F1J1A106A043	C 10UF, 10V		
		C6710	F1G1C104A146	C 0.1UF, 16V		
		C6712	F1G1A105A047	C 1UF, 10V		
		C6713	F1G1A105A047	C 1UF, 10V		
		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		
		C6726	F1G1H220A948	C 22PF, 50V		
		C6727	F1G1H220A948	C 22PF, 50V		
		C6728	F1G1H102A948	C 1000PF, 50V		
		C6732	F1G1C473A146	C 0.047F, 16V		
		C6736	F1G1H101A948	C 100PF, 50V		
		C6737	F1G1H101A948	C 100PF, 50V		
		C6753	F1G1H5R0A947	C 5PF, 50V		
		C6754	F1G1H5R0A947	C 5PF, 50V		
		C6768	F1G1H102A946	C 1000PF, 50V		
		C6769	F1G1E103A144	C 0.01UF 25V		
		C6770	F1G1E103A144	C 0.01UF 25V		
		C6771	F1G1E103A144	C 0.01UF 25V		
		C6772	F1G1E103A144	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, 10V		
		C6781	F1G1H331A946	C 330PF, 50V		
		C6782	F1G1H121A834	C 120PF, 50V		
		C6783	F1G1H121A834	C 120PF, 50V		
		C6788	F1G1H101A948	C 100PF, 50V		
		C6789	F1G1H181A834	C 180PF, 50V		
		C6790	F1G1H181A834	C 180PF, 50V		
		C6791	F1G1H102A948	C 1000PF, 50V		
		C6793	F1G1H102A948	C 1000PF, 50V		
		C6794	F1G1C104A146	C 0.1UF, 16V		
		C6795	F1G1C104A146	C 0.1UF, 16V		
		C6797	F1G1H102A946	C 1000PF, 50V		
		C6798	F1G1H102A946	C 1000PF, 50V		
		C6799	F1H1H181B052	C 180PF, 50V		
		C6804	F1G1C104A146	C 0.1UF, 16V		
		C6805	F1J1A106A043	C 10UF, 10V		
		C6806	F1J1A106A043	C 10UF, 10V		
		C6809	F1G1C104A146	C 0.1UF, 16V		
		C6820	F1G1C104A146	C 0.1UF, 16V		
		C6822	F1G1C104A146	C 0.1UF, 16V		
		C6830	F1G1C104A146	C 0.1UF, 16V		
		C6832	F1J1A106A043	C 10UF, 10V		
		C6838	F1G1C104A146	C 0.1UF, 16V		
		C6840	F1G1C104A146	C 0.1UF, 16V		
		C6844	F1G1C104A146	C 0.1UF, 16V		
		C6847	F1G1H8R0A833	C 8PF, 50V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C6848	F1G1H8R0A833	C 8PF, 50V		
		C6864	F1G1C104A146	C 0.1UF, 16V		
		C6872	F1G1C104A146	C 0.1UF, 16V		
		C6873	F1G1C104A146	C 0.1UF, 16V		
		C7102	F1AAF471A019	C 470PF, 1KV		
		C7103	F1AAF471A019	C 470PF, 1KV		
		C7104	F0CAF2240010	C 0.22UF, 240V		
		C7105	F0CAF2240010	C 0.22UF, 240V		
		C7201	F1H1H102B052	C 1000PF, 50V		
		C7202	F1J1H222A911	C 2200PF, 50V		
		C7203	F1H1H104B047	C 0.1UF, 50V		
		C7204	F1J1H104A902	C 0.1UF, 50V		
		C7205	F1J1H102A909	C 1000PF, 50V		
		C7206	F1J1E475A257	C 4.7UF, 25V		
		C7207	F1A3A221A060	C 220PF, 1KV		
		C7209	ECWFD2W824KC	C 0.82UF, 240V		
		C7213	F2A2W6500001	C 65UF, 450V		
		C7214	F1J1H103A900	C 0.01UF, 50V		
		C7220	F1J1H103A900	C 0.01UF, 50V		
		C7302	F1J1H473A900	C 0.047UF, 50V		
		C7303	F1J1H104A902	C 0.1UF, 50V		
		C7304	F1A3A221A060	C 220PF, 1KV		
		C7305	F1J1H104A902	C 0.1UF, 50V		
		C7306	F1J1H104A902	C 0.1UF, 50V		
		C7307	F1J1H101A906	C 100PF, 50V		
		C7310	F2A1E4710124	C 470UF, 25V		
		C7311	F1J1H105A919	C 1UF, 50V		
		C7312	F1H1C474A178	C 0.47UF, 16V		
		C7313	F1J1H102A909	C 1000PF, 50V		
		C7316	F1A3A471A060	C 470PF, 1KV		
		C7317	ECWH8223HAC	C 0.022UF, Z, 800V		
		C7318	F1AAF471A019	C 470PF, 1KV		
		C7320	F1A3A102A060	C 1000PF, 1KV		
		C7417	F1J1C474A238	C 0.47UF, 16V		
		C7418	F1H1H104B047	C 0.1UF, 50V		
		C7421	F1H1H104B047	C 0.1UF, 50V		
		C7422	F2AZZ4710003	C 470UF, 250V		
		C7423	F2AZZ2220001	C 2200UF, 240V		
		C7432	F1J1C475A225	C 4.7UF, 16V		
		C7433	F1K1V106A010	C 10UF, 35V		
		C7434	F1J1C475A225	C 4.7UF, 16V		
		C7524	F1J1H104A902	C 0.1UF, 50V		
		C7525	F1J1H221A906	C 220PF, 50V		
		C7526	F1J1C475A225	C 4.7UF, 16V		
		C7527	F1K1E106A167	C 10UF, 25V		
		C7529	F1J1H104A902	C 0.1UF, 50V		
		C7530	F1J1H104A902	C 0.1UF, 50V		
		C7541	F1K1E106A167	C 10UF, 25V		
		C7543	F1J1H103A900	C 0.01UF, 50V		
		C7544	F1J1H103A900	C 0.01UF, 50V		
		C7800	F1J1H101A906	C 100PF, 50V		
		C7801	F1J1H103A900	C 0.01UF, 50V		
		C7802	F1J1H103A900	C 0.01UF, 50V		
		C7803	F1J1E224A272	C 0.22UF, 25V		
		C7804	F1J1H103A900	C 0.01UF, 50V		
		C7805	F1J1H103A900	C 0.01UF, 50V		
		C7806	F1J1E105A287	C 1UF, 25V		
		C7807	F1J1E224A272	C 0.22UF, 25V		
		C7809	F1J1E105A287	C 1UF, 25V		
		C7810	F1J1E224A272	C 0.22UF, 25V		
		C7812	F1A3A221A060	C 220PF, 1KV		
		C7813	F2A2C470A222	C 47UF, 160V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C7814	F2AZZ4710003	C 470UF, 250V		
		C7816	F1A3A221A060	C 220PF, 1KV		
		C7817	F2A2C470A222	C 47UF, 160V		
		C7821	F1J2E1020002	C 1000PF, 250V		
		C7824	F1J1E224A272	C 0.22UF, 25V		
		C7827	F1J1H221A906	C 220PF, 50V		
		C7828	F1J1H221A906	C 220PF, 50V		
		C7829	F1J2E1020002	C 1000PF, 250V		
		C7832	F1J1H104A902	C 0.1UF, 50V		
		C7833	F1J1H104A902	C 0.1UF, 50V		
		C7838	F1J1E105A287	C 1UF, 25V		
		C8095	F1K1V106A010	C 10UF, 35V		
		C8097	F1G1C104A146	C 0.1UF, 16V		
		C8098	F1G1C103A173	C 0.01UF, 16V		
		C8100	F1G1E332A172	C 3300PF, 25V		
		C8101	F1J1A106A043	C 10UF, 10V		
		C8102	F1J1A106A043	C 10UF, 10V		
		C8103	F1H0J4750004	C 4.7UF, 6.3V		
		C8104	F1J1A106A043	C 10UF, 10V		
		C8105	F1K1V106A010	C 10UF, 35V		
		C8106	F1J1A106A043	C 10UF, 10V		
		C8108	F1G1C104A146	C 0.1UF, 16V		
		C8109	F1G1C103A173	C 0.01UF, 16V		
		C8111	F1G1E332A172	C 3300PF, 25V		
		C8112	F1J0J2260004	C 22UF, 6.3V		
		C8113	F1G1C103A173	C 0.01UF, 16V		
		C8115	F1H1C105A167	C 1UF, 16V		
		C8116	F1J0J2260004	C 22UF, 6.3V		
		C8117	F1G1C104A146	C 0.1UF, 16V		
		C8118	F1J0J2260004	C 22UF, 6.3V		
		C8121	F1K1V106A010	C 10UF, 35V		
		C8123	F1G1C104A146	C 0.1UF, 16V		
		C8124	F1G1C103A173	C 0.01UF, 16V		
		C8126	F1G1E332A172	C 3300PF, 25V		
		C8127	F1H1C105A167	C 1UF, 16V		
		C8128	F1G1C104A146	C 0.1UF, 16V		
		C8129	F1J0G2260001	C 22UF, 4V		
		C8130	F1J0G2260001	C 22UF, 4V		
		C8134	F1G1E472A172	C 4700PF, 25V		
		C8135	F1K1V106A010	C 10UF, 35V		
		C8137	F1G1C104A146	C 0.1UF, 16V		
		C8138	F1G1C103A173	C 0.01UF, 16V		
		C8140	F1G1H270A834	C 27PF, 50V		
		C8141	F1J0G2260001	C 22UF, 4V		
		C8142	F1G1H270A834	C 27PF, 50V		
		C8143	F1J0G2260001	C 22UF, 4V		
		C8146	F1G1A105A047	C 1UF, 10V		
		C8147	F1G1A105A047	C 1UF, 10V		
		C8148	F1H1C105A167	C 1UF, 16V		
		C8151	F1H1H103B047	C 0.01UF, 50V		
		C8152	F1G1A105A047	C 1UF, 10V		
		C8153	F1G1A105A047	C 1UF, 10V		
		C8162	F1G1C104A146	C 0.1UF, 16V		
		C8163	F1G1C103A173	C 0.01UF, 16V		
		C8164	F1J1A106A043	C 10UF, 10V		
		C8165	F1G1C104A146	C 0.1UF, 16V		
		C8166	F1G1C104A146	C 0.1UF, 16V		
		C8167	F1G1C104A146	C 0.1UF, 16V		
		C8168	F1H1C105A167	C 1UF, 16V		
		C8169	F1G1C104A146	C 0.1UF, 16V		
		C8170	F1G1C104A146	C 0.1UF, 16V		
		C8171	F1G1C104A146	C 0.1UF, 16V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8172	F1G1A105A047	C 1UF, 10V		
		C8173	F1G1C104A146	C 0.1UF, 16V		
		C8174	F1H0J4750004	C 4.7UF, 6.3V		
		C8176	F1G1A105A047	C 1UF, 10V		
		C8177	F1G1C104A146	C 0.1UF, 16V		
		C8178	F1G1C104A146	C 0.1UF, 16V		
		C8179	F1G1C104A146	C 0.1UF, 16V		
		C8180	F1J1A106A043	C 10UF, 10V		
		C8184	F1J0G2260001	C 22UF, 4V		
		C8186	F1G1C104A146	C 0.1UF, 16V		
		C8187	F1G1C104A146	C 0.1UF, 16V		
		C8188	F1G1C104A146	C 0.1UF, 16V		
		C8189	F1G1A105A047	C 1UF, 10V		
		C8191	F1G1C104A146	C 0.1UF, 16V		
		C8192	F1G1C104A146	C 0.1UF, 16V		
		C8193	F1G1A105A047	C 1UF, 10V		
		C8196	F1H1C105A167	C 1UF, 16V		
		C8850	F1H0J4750004	C 4.7UF, 6.3V		
		C8900	F1G1C104A146	C 0.1UF, 16V		
		C8901	F1G1C104A146	C 0.1UF, 16V		
DIODE						
		D1001	DZ2J140M0L	DIODE		
		D1002	DZ2J140M0L	DIODE		
		D1003	DZ2J140M0L	DIODE		
		D1004	DZ2J140M0L	DIODE		
		D1005	DZ2J140M0L	DIODE		
		D1007	DZ2J140M0L	DIODE		
		D2006	D4ED11200003	DIODE		
		D2008	D4ED11200003	DIODE		
		D2800	DZ2J056M0L	DIODE		
		D2802	B3AGB0000083	LED		
		D2851	DZ2J068M0L	DIODE		
		D2852	DZ2J068M0L	DIODE		
		D3101	K7AAAY000016	DIODE		
		D3103	D4EDY5R5A038	DIODE		
		D3104	D4EDY5R5A038	DIODE		
		D5007	DA2J10100L	DIODE		
		D5009	DZ2J068M0L	DIODE		
		D5013	B0JCED000012	DIODE		
		D5170	DZ2J200M0L	DIODE		
		D5171	DA2J10100L	DIODE		
		D5172	DZ2J068M0L	DIODE		
		D5173	B0ADCK000001	DIODE		
		D5174	DZ2J068M0L	DIODE		
		D5175	B0ADCK000001	DIODE		
		D6750	J0ZZB0000175	DIODE		
		D6752	B0ZBZ0000226	DIODE		
		D7101	ERZE08C621CD	SURGE ABSORBER		
		D7104	B0EAKR000022	DIODE		
		D7105	B0EAKR000022	DIODE		
		D7106	B0EBNT000028	DIODE		
		D7211	B0JCMG000043	DIODE		
		D7215	B0HAPR000013	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		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		D7309	B0JCMG000043	DIODE		
		D7310	B0JCMG000043	DIODE		
		D7311	B0BC027A0336	DIODE		
		D7401	B0JBSL000046	DIODE		
		D7402	B0JBSL000046	DIODE		
		D7404	DA2J10100L	DIODE		
		D7405	DA2J10100L	DIODE		
		D7408	B0JDSG000009	DIODE		
		D7409	B0JDSG000009	DIODE		
		D7411	DA2J10100L	DIODE		
		D7503	B0JCPE000051	DIODE		
		D7800	B0FCAM000004	DIODE		
		D7801	B0ECKM000053	DIODE		
		D7802	B0BC015A0336	DIODE		
		D7803	B0ECKM000053	DIODE		
		D7804	DZ2J360M0L	DIODE		
		D7805	B0ACCD000008	DIODE		
		D7806	B0BC015A0336	DIODE		
		D7807	B0FCAM000004	DIODE		
		D7808	DA2J10100L	DIODE		
		D7809	DA2J10100L	DIODE		
		D7810	B0ACCD000008	DIODE		
		D7811	DZ2J360M0L	DIODE		
		D7812	DA2J10100L	DIODE		
		D8001	B0JCED000012	DIODE		
		D8002	B0JCED000012	DIODE		
INTEGRATED CIRCUIT						
		IC4300	C0DBAYY02430	IC		
		IC4900	C1AB00003984	IC		
		IC5602	C0DBZYY00723	IC		
		IC5701	C0DBEYY00226	IC		
		IC5704	C0DBEYY00102	IC		
		IC6750	C1AB00004172	IC		
		IC6800	C1AB00004028	IC		
		IC7201	C0DBBY000058	IC		
		IC7301	C0DBAYY01329	IC		
		IC7401	C0DBZYY00545	IC		
		IC7503	C0DBAYY01915	IC		
		IC7800	C0ZBZ0002179	IC		
		IC8001	C1AB00004200	IC		
		IC8002	C0DBAYY02437	IC		
		IC8003	C0DBAYY02430	IC		
		IC8004	C0DBAYY02430	IC		
		IC8005	C0DBAYY02430	IC		
		IC8008	C0DBGYY00887	IC		
		IC8900A	TVR4G310-AB	ROM VERSION ASSEMBLY		
		IC8902	C3EBJY000066	IC		
COIL						
		L2000	J0JYC0000328	BEAD CORE		
		L4300	G1C220MA0445	INDUCTOR		
		L4901	G1C220MA0533	INDUCTOR		
		L4902	G1C220MA0533	INDUCTOR		
		L4903	G1C220MA0533	INDUCTOR		
		L4904	G1C220MA0533	INDUCTOR		
		L5601	J0JYC0000464	BEAD CORE		
		L6704	J0JYC0000464	CHIP BEADS		
		L6706	J0JYC0000464	CHIP BEADS		
		L6761	J0JYC0000464	BEAD CORE		
		L6762	J0JYC0000464	BEAD CORE		
		L6763	G1CR27JA0097	CHIP BEADS		
		L6765	G1C82NJ00010	COIL		
		L6772	G1CR27JA0097	CHIP BEADS		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		L6773	G1CR27JA0097	CHIP BEADS		
		L6774	G1CR27JA0097	CHIP BEADS		
		L6775	G1CR22JA0097	CHIP BEADS		
		L6776	G1CR27JA0097	CHIP BEADS		
		L6777	G1CR22JA0097	CHIP BEADS		
		L6778	G1CR22JA0097	CHIP BEADS		
		L6779	G1CR22JA0097	CHIP BEADS		
		L6800	J0JYC0000464	BEAD CORE		
		L6801	J0JYC0000464	BEAD CORE		
		L6802	J0JYC0000464	BEAD CORE		
		L7201	J0JYB0000044	BEAD CORE		
		L7207	J0JYC0000344	COIL		
		L7303	J0JYB0000044	BEAD CORE		
		L7502	G0C270MA0049	INDUCTOR		
		L7801	J0JHC0000075	BEAD CORE		
		L7805	J0JYA0000035	BEAD CORE		
		L7808	J0JHC0000075	BEAD CORE		
		L7812	J0JYA0000035	BEAD CORE		
		L7813	G0C660Z00002	INDUCTOR		
		L7814	G0C660Z00002	INDUCTOR		
		L8008	J0JYC0000464	BEAD CORE		
		L8048	G1C4R7ZA0311	INDUCTOR		
		L8049	G1C3R3MA0464	INDUCTOR		
		L8050	G1C150MA0533	INDUCTOR		
		L8051	G1C100MA0533	COIL		
TRANSISTOR						
		Q2004	B1ABCF000231	TRANSISTOR		
		Q2005	B1ABCF000231	TRANSISTOR		
		Q2007	B1ABCF000231	TRANSISTOR		
		Q4500	B1ABCF000231	TRANSISTOR		
		Q4501	B1ABCF000231	TRANSISTOR		
		Q4504	B1ABCF000231	TRANSISTOR		
		Q4505	B1ABCF000231	TRANSISTOR		
		Q5005	B1ADCE000022	TRANSISTOR		
		Q5006	B1ABCF000231	TRANSISTOR		
		Q5007	B1ABCF000231	TRANSISTOR		
		Q5009	B1ADCE000022	TRANSISTOR		
		Q5010	B1ADCE000022	TRANSISTOR		
		Q5011	B1ABCF000231	TRANSISTOR		
		Q5170	B1ABCF000231	TRANSISTOR		
		Q5171	B1ABCF000231	TRANSISTOR		
		Q5172	B1ABCF000231	TRANSISTOR		
		Q7201	B1CERR000096	TRANSISTOR		
		Q7202	B1ADCE000022	TRANSISTOR		
		Q7301	B1CFRR000028	TRANSISTOR		
		Q7302	B1CFRR000028	TRANSISTOR		
		Q7303	B1ADCE000022	TRANSISTOR		
		Q7401	B1ABCF000231	TRANSISTOR		
		Q7402	B1CFRG000069	TRANSISTOR		
		Q7403	B1CHRE000015	TRANSISTOR		
		Q7405	B1CFRG000069	TRANSISTOR		
		Q7800	B1CBHG000002	TRANSISTOR		
		Q7801	B1CERM000055	TRANSISTOR		
		Q7802	B1CFML000007	TRANSISTOR		
		Q7803	B1CFML000007	TRANSISTOR		
		Q7804	B1CERM000055	TRANSISTOR		
		Q7805	B1CBHG000002	TRANSISTOR		
		Q7810	B1ABCN000007	TRANSISTOR		
		Q7811	B1ABCN000007	TRANSISTOR		
		Q8002	B1CHPD000013	TRANSISTOR		
		Q8003	B1ABCF000231	TRANSISTOR		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
RESISTORS						
		R0902	D0GA272JA023	M 2.7K Ohm, J, 1/16W		
		R0903	D0GA272JA023	M 2.7K Ohm, J, 1/16W		
		R0910	D0GAR00J0005	M 0 Ohm, 1/16W		
		R0911	D0GAR00J0005	M 0 Ohm, 1/16W		
		R0912	D0GAR00J0005	M 0 Ohm, 1/16W		
		R0913	D0GAR00J0005	M 0 Ohm, 1/16W		
		R0916	D0GAR00J0005	M 0 Ohm, 1/16W		
		R0917	D0GAR00J0005	M 0 Ohm, 1/16W		
		R0924	D0GA272JA023	M 2.7K Ohm, J, 1/16W		
		R0925	D0GA272JA023	M 2.7K Ohm, J, 1/16W		
		R0926	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R0927	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R0928	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R0929	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R0930	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R0933	D1H82724A042	M 2.7K Ohm, J, 1/16W		
		R0938	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R0939	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R0944	D1H86804A042	M 68 Ohm, J, 1/16 W		
		R0945	D1H86804A042	M 68 Ohm, J, 1/16 W		
		R1000	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R2011	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R2012	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R2018	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R2027	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R2028	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R2029	D0GAR00J0005	M 0 Ohm, 1/16W		
		R2030	D0GA222JA023	M 2.2K Ohm, J, 1/16W		
		R2031	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R2032	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R2033	D1BA1002A023	M 10K Ohm, F, 1/16W		
		R2034	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R2035	D1BA4702A023	M 47K Ohm, F, 1/16W		
		R2045	D0GA183JA023	M 18K Ohm, J, 1/16W		
		R2046	D0GB101JA065	M 100 Ohm, J, 1/10W		
		R2047	D0GB153JA065	M 15K Ohm, J, 1/10W		
		R2049	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R2050	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R2052	D0GA223JA023	M 22K Ohm, J, 1/16W		
		R2053	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R2800	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R2808	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R2820	D0GB470JA065	M 47 Ohm, J, 1/10W		
		R2821	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R2822	D0GD822JA052	M 8.2K Ohm, J, 1/8W		
		R2823	D1BB4301A073	M 4.3K Ohm, J, 1/10W		
		R2824	D1BB1001A073	M 1K Ohm, J, 1/10W		
		R2852	D1BD1911A203	M 1.91K Ohm, J, 1/16W		
		R2853	D1BD3091A203	M 3.09K Ohm , F, 1/16W		
		R2854	D1BD6041A203	M 6.04K Ohm , F, 1/16W		
		R2855	D1BD1692A203	M 16.9K Ohm, J, 1/16W		
		R3099	D0GA223JA023	M 22K Ohm, J, 1/16W		
		R3119	D0GA272JA023	M 2.7K Ohm, J, 1/16W		
		R3122	D1BD75R0A066	M 75 Ohm, J, 1/8W		
		R3124	D1BD75R0A066	M 75 Ohm, J, 1/8W		
		R3192	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R3193	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R3194	D1BD75R0A066	M 75 Ohm, J, 1/8W		
		R3196	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R3201	D0GA473JA023	M 47K Ohm, J, 1/16W		
		R3202	D0GA473JA023	M 47K Ohm, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R3205	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R3243	D0GA220JA023	M 22 Ohm, J, 1/16W		
		R4048	D0GA912JA023	M 9.1K Ohm, J, 1/16W		
		R4050	D1H8R0040016	M 0 Ohm, Z, 1/16 W		
		R4051	D1H8R0040016	M 0 Ohm, Z, 1/16 W		
		R4052	D1H8R0040016	M 0 Ohm, Z, 1/16 W		
		R4053	D1H8R0040016	M 0 Ohm, Z, 1/16 W		
		R4054	D1H8R0040016	M 0 Ohm, Z, 1/16 W		
		R4059	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R4097	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R4098	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R4150	D0GA332JA023	M 3.3K Ohm, J, 1/16W		
		R4155	D0GAR00J0005	M 0 Ohm, 1/16W		
		R4156	D0GAR00J0005	M 0 Ohm, 1/16W		
		R4159	D0GAR00J0005	M 0 Ohm, 1/16W		
		R4300	D1BA4702A023	M 47K Ohm, F, 1/16W		
		R4301	D1BA3601A023	M 3.6K Ohm, F, 1/16W		
		R4302	D1BA5102A023	M 51K Ohm, F, 1/16W		
		R4303	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R4500	D0GA750JA023	M 75 Ohm, J, 1/16W		
		R4501	D0GA750JA023	M 75 Ohm, J, 1/16W		
		R4503	D1H84734A042	M 47K Ohm, J, 1/16 W		
		R4504	D1H86804A042	M 68 Ohm, J, 1/16 W		
		R4513	D0GA820JA023	M 82 Ohm, J, 1/16W		
		R4514	D0GA220JA023	M 22 Ohm, J, 1/16W		
		R4515	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R4516	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R4517	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R4518	D0GA104JA023	M 100K Ohm, J, 1/16W		
		R4519	D0GA104JA023	M 100K Ohm, J, 1/16W		
		R4520	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R4521	D0GA911JA023	M 910 Ohm, J, 1/16W		
		R4522	D0GA911JA023	M 910 Ohm, J, 1/16W		
		R4523	D0GA104JA023	M 100K Ohm, J, 1/16W		
		R4524	D0GA181JA023	M 180 Ohm, J, 1/16W		
		R4900	D0GFR00J0005	M 0 Ohm, J, 1/3W		
		R4901	D1H86804A042	M 68 Ohm, J, 1/16 W		
		R4903	D1H8R0040016	M 0 Ohm, Z, 1/16 W		
		R4905	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R4906	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R4907	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R4908	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R4909	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R4915	D0GA563JA023	M 56K Ohm, J, 1/16W		
		R4917	D0GAR00J0005	M 0 Ohm, 1/16W		
		R4918	D0GAR00J0005	M 0 Ohm, 1/16W		
		R4919	D0GA153JA023	M 15K Ohm, J, 1/16W		
		R4956	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R4963	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R4964	D0GA303JA023	M 30K Ohm, J, 1/16W		
		R4983	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R5050	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R5051	D0GAR00J0005	M 0 Ohm, 1/16W		
		R5078	D1BA2202A023	M 22K Ohm, F, 1/16W		
		R5079	D1BA3742A023	M 37.4K Ohm, F, 1/16W		
		R5080	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R5081	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R5082	D0GA104JA023	M 100K Ohm, J, 1/16W		
		R5084	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R5085	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R5086	D0GAR00J0005	M 0 Ohm, 1/16W		
		R5087	D1BA2202A023	M 22K Ohm, F, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R5088	D1BA1602A023	M 16K Ohm, F, 1/16W		
		R5090	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R5091	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R5092	D0GA472JA023	M 4.7K Ohm, J, 1/16W		
		R5093	D0GA472JA023	M 4.7K Ohm, J, 1/16W		
		R5095	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R5096	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R5097	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R5098	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R5099	D0GA472JA023	M 4.7K Ohm, J, 1/16W		
		R5170	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R5171	D0GA332JA023	M 3.3K Ohm, J, 1/16W		
		R5173	D0GA104JA023	M 100K Ohm, J, 1/16W		
		R5175	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R5176	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R5177	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R5178	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R5606	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R5607	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R5609	D1H8R0040016	M 0 Ohm, Z, 1/16 W		
		R5610	D1BA1652A023	M 16.5K Ohm, F, 1/16W		
		R5709	D1BA1201A023	M 1.2K Ohm, F, 1/16W		
		R5710	D1BA3001A023	M 3K Ohm, F, 1/16W		
		R5731	D1BA1200A023	M 120 Ohm, F, 1/16W		
		R5732	D1BA56R0A023	M 56 Ohm, F, 1/16W		
		R5736	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R5740	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R5742	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R5744	D0GAR00J0005	M 0 Ohm, 1/16W		
		R6725	D0GAR00J0005	M 0 Ohm, 1/16W		
		R6726	D0GAR00J0005	M 0 Ohm, 1/16W		
		R6727	D0GAR00J0005	M 0 Ohm, 1/16W		
		R6730	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R6743	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R6744	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R6750	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R6753	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R6754	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R6755	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R6756	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R6757	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R6758	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R6759	D0GA102JA023	M 1K Ohm, J, 1/16W		
		R6760	D0GA332JA023	M 3.3K Ohm, J, 1/16W		
		R6761	D0GA332JA023	M 3.3K Ohm, J, 1/16W		
		R6768	D0GA681JA023	M 680 Ohm, J, 1/16W		
		R6770	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R6804	D0GAR00J0005	M 0 Ohm, 1/16W		
		R6805	D0GAR00J0005	M 0 Ohm, 1/16W		
		R6810	D0GA332JA023	M 3.3K Ohm, J, 1/16W		
		R6812	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R6813	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R6818	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R6819	D0GAR00J0005	M 0 Ohm, 1/16W		
		R6820	D0GAR00J0005	M 0 Ohm, 1/16W		
		R6821	D0GAR00J0005	M 0 Ohm, 1/16W		
		R6840	D0GA471JA023	M 470K Ohm, J, 1/16W		
		R6846	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R6847	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R6848	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R6849	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R6850	D0GA680JA023	M 68 Ohm, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R6861	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R6862	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R6863	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R6871	D0GA332JA023	M 3.3K Ohm, J, 1/16W		
		R6872	D0GA332JA023	M 3.3K Ohm, J, 1/16W		
		R6880	D0GAR00J0005	M 0 Ohm, 1/16W		
		R6881	D0GAR00J0005	M 0 Ohm, 1/16W		
		R6882	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R6884	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R6885	D0GAR00J0005	M 0 Ohm, 1/16W		
		R6886	D0GAR00J0005	M 0 Ohm, 1/16W		
		R7101	D0GF105JA048	M 1M Ohm, J, 1/4W		
		R7102	D0GF105JA048	M 1M Ohm, J, 1/4W		
		R7103	D0GF105JA048	M 1M Ohm, J, 1/4W		
		R7104	D0GD102JA052	M 1K Ohm, J, 1/8W		
		R7105	D0GD102JA052	M 1K Ohm, J, 1/8W		
		R7201	ERX1SJR22V	M 0.22 Ohm, J, 1/10W		
		R7202	ERX1SJR22V	M 0.22 Ohm, J, 1/10W		
		R7203	D0GD563JA052	M 56K Ohm, J, 1/8W		
		R7204	D0GF101JA047	M 100 Ohm, J, 1/4W		
		R7205	D0GD470JA052	M 47 Ohm, J, 1/8W		
		R7206	D0GD47JA059	M 4.7 Ohm, J, 1/4W		
		R7207	D0GB104JA065	M 100K Ohm, J, 1/10W		
		R7208	ERX1SJR22V	M 0.22 Ohm, J, 1/10W		
		R7211	D0GD104JA052	M 100K Ohm, J, 1/8W		
		R7212	D0GB683JA065	M 68K Ohm, J, 1/10W		
		R7219	D0GB513JA065	M 51K Ohm, J, 1/10W		
		R7220	D0GB223JA065	M 22K Ohm, J, 1/10W		
		R7224	D1BD8203A203	M 820K Ohm , F, 1/16W		
		R7225	D1BF1504A073	M 1.5M Ohm, F, 1/16W		
		R7226	D1BF1504A073	M 1.5M Ohm, F, 1/16W		
		R7227	D1BF1504A073	M 1.5M Ohm, F, 1/16W		
		R7228	D1BF1504A073	M 1.5M Ohm, F, 1/16W		
		R7229	D1BD2003A203	M 200K Ohm , F, 1/16W		
		R7230	D1BD4422A203	M 44.2K Ohm , F, 1/16W		
		R7231	D1BD4303A203	M 430K Ohm , F, 1/16W		
		R7232	D1BD3603A203	M 360K Ohm , F, 1/16W		
		R7234	D1BD8203A203	M 820K Ohm , F, 1/16W		
		R7240	D0GF225JA048	M 2.2M Ohm, J, 1/4W		
		R7241	D0GF225JA048	M 2.2M Ohm, J, 1/4W		
		R7242	D0GF225JA048	M 2.2M Ohm, J, 1/4W		
		R7243	D0GF225JA048	M 2.2M Ohm, J, 1/4W		
		R7244	D0GD124JA052	M 120K Ohm, J, 1/8W		
		R7302	D0GD101JA059	M 100 Ohm, J, 1/8W		
		R7303	D0GD101JA059	M 100 Ohm, J, 1/8W		
		R7304	D0AF2R2JA112	C 2.2 Ohm, J, 1/2W		
		R7305	D0AF121JA112	M 120 Ohm, J, 2W		
		R7306	D0GD222JA052	M 2.2K Ohm, J, 1/8W		
		R7307	D0GD562JA052	M 5.6K Ohm, J, 1/8W		
		R7308	D0GD222JA052	M 2.2K Ohm, J, 1/8W		
		R7311	D0B1106JA033	M 10M Ohm, J, 1W		
		R7312	D0AF153JA112	M 15K Ohm, J, 1/16W		
		R7314	D0GD103JA052	M 10K Ohm, J, 1/8W		
		R7315	D0GB222JA065	M 2.2K Ohm, J, 1/10W		
		R7317	D0GD223JA052	M 22K Ohm, J, 1/8W		
		R7318	D0GB473JA065	M 47K Ohm, J, 1/10W		
		R7319	D0GD473JA052	M 47K Ohm, J, 1/8W		
		R7320	D0GD103JA052	M 10K Ohm, J, 1/8W		
		R7321	D0GD100JA059	M 10 Ohm, J, 1/4W		
		R7322	D0GD100JA059	M 10 Ohm, J, 1/4W		
		R7323	D0GD223JA052	M 22K Ohm, J, 1/8W		
		R7324	D0GD223JA052	M 22K Ohm, J, 1/8W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7325	ERX1SJ1R0V	M 1.0 Ohm, J, 1/10W		
		R7383	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		R7397	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		R7401	D0GD472JA052	M 4.7K Ohm, J, 1/8W		
		R7402	D0GD103JA052	M 10K Ohm, J, 1/8W		
		R7403	D0GD102JA052	M 1K Ohm, J, 1/8W		
		R7404	D0GD104JA052	M 100K Ohm, J, 1/8W		
		R7405	D0GD222JA052	M 2.2K Ohm, J, 1/8W		
		R7406	D1BD3301A203	M 3.3K Ohm , F, 1/16W		
		R7407	D0GB103JA065	M 10K Ohm, J, 1/10W		
		R7408	D1BD1872A203	M 18.7KOHM ,F, 1/16W		
		R7409	D0GD473JA052	M 47K Ohm, J, 1/8W		
		R7410	D0GD153JA052	M 15K Ohm, J, 1/8W		
		R7411	D0GD473JA052	M 47K Ohm, J, 1/8W		
		R7412	D0GD153JA052	M 15K Ohm, J, 1/8W		
		R7413	D1BD7503A203	M 750K Ohm , F, 1/16W		
		R7415	D0GD472JA052	M 4.7K Ohm, J, 1/8W		
		R7416	D0GD103JA052	M 10K Ohm, J, 1/8W		
		R7417	D0GD103JA052	M 10K Ohm, J, 1/8W		
		R7420	D0GD224JA052	M 2.2K Ohm, J, 1/8W		
		R7421	D0GD104JA052	M 100K Ohm, J, 1/8W		
		R7422	D0GD224JA052	M 2.2K Ohm, J, 1/8W		
		R7423	D0GD334JA052	M 3.3K Ohm, J, 1/8W		
		R7427	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		R7533	D1BD7872A203	M 78.7K Ohm , F, 1/16W		
		R7534	D1BD1432A203	M 14.3K Ohm, F, 1/16W		
		R7535	D0GD514JA052	M 510K Ohm, J, 1/8W		
		R7536	D0GD100JA052	M 10 Ohm, J, 1/8W		
		R7802	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		R7803	D0GD222JA052	M 2.2K Ohm, J, 1/8W		
		R7804	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		R7805	D1BD1803A076	M 180K Ohm , F, 1/16W		
		R7806	D1BD2202A066	M 2.2K Ohm , F, 1/16W		
		R7807	D0GD153ZA034	M 15K Ohm, J, 1/8W		
		R7808	D0GD104JA052	M 100K Ohm, J, 1/8W		
		R7809	D1BD6802A203	M 68K Ohm , F, 1/16W		
		R7810	D1BD2202A203	M 2.2K Ohm , F, 1/16W		
		R7811	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		R7812	D0GD104JA052	M 100K Ohm, J, 1/8W		
		R7813	D0GD393JA052	M 39K Ohm, J, 1/8W		
		R7816	D1BD1503A066	M 150K Ohm, F, 1/16W		
		R7817	D0GD104JA052	M 100K Ohm, J, 1/8W		
		R7818	D0GD152ZA034	M 1.5K Ohm, J, 1/16W		
		R7820	D0GD470JA059	M 47 Ohm, J, 1/4W		
		R7821	D0GD101JA052	M 100 Ohm, J, 1/8W		
		R7823	D0GD152JA052	M 1.5K Ohm, J, 1/8W		
		R7824	D1BD12R0A204	M 12 Ohm, J, 1/8W		
		R7825	D1BD12R0A204	M 12 Ohm, J, 1/8W		
		R7826	D1BD12R0A204	M 12 Ohm, J, 1/8W		
		R7827	D0GD104JA052	M 100K Ohm, J, 1/8W		
		R7828	D0GD104JA052	M 100K Ohm, J, 1/8W		
		R7829	D1BD12R0A204	M 12 Ohm, J, 1/8W		
		R7830	D0GD472JA052	M 4.7K Ohm, J, 1/8W		
		R7831	D1BD12R0A204	M 12 Ohm, J, 1/8W		
		R7832	D0GD470JA059	M 47 Ohm, J, 1/4W		
		R7834	D0GD101JA052	M 100 Ohm, J, 1/8W		
		R7836	D0GD100JA059	M 10 Ohm, J, 1/4W		
		R7837	D0GD473JA052	M 47K Ohm, J, 1/8W		
		R7839	ERX1SJR22V	M 0.22 Ohm, J, 1/10W		
		R7840	D0GD474JA052	M 470K Ohm, J, 1/8W		
		R7841	ERX1SJR22V	M 0.22 Ohm, J, 1/10W		
		R7842	ERX1SJR22V	M 0.22 Ohm, J, 1/10W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7843	D0GD100JA059	M 10 Ohm, J, 1/4W		
		R7844	D0GD473JA052	M 47K Ohm, J, 1/8W		
		R7845	D0C1R33JA104	M 0.33 Ohm , J, 1W		
		R7846	ERX1SJR22V	M 0.22 Ohm, J, 1/10W		
		R7847	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		R7848	ERX1SJR22V	M 0.22 Ohm, J, 1/10W		
		R7851	D1BD12R0A204	M 12 Ohm, J, 1/8W		
		R7852	D1BD12R0A204	M 12 Ohm, J, 1/8W		
		R7853	D1BD12R0A204	M 12 Ohm, J, 1/8W		
		R7854	D1BD12R0A204	M 12 Ohm, J, 1/8W		
		R7855	D1BD12R0A204	M 12 Ohm, J, 1/8W		
		R7857	D0GD104JA052	M 100K Ohm, J, 1/8W		
		R7862	D1BD4701A203	M 4.7K Ohm , F, 1/16W		
		R7863	D0GD152ZA034	M 1.5K Ohm, J, 1/16W		
		R7866	D1BD2003A203	M 200K Ohm , F, 1/16W		
		R7867	D1BD1803A076	M 180K Ohm , F, 1/16W		
		R7868	D0GD222JA052	M 2.2K Ohm, J, 1/8W		
		R7869	D0GD222JA052	M 2.2K Ohm, J, 1/8W		
		R7870	D0GD152JA052	M 1.5K Ohm, J, 1/8W		
		R7871	D0GD474JA052	M 470K Ohm, J, 1/8W		
		R7872	D1BD2003A203	M 200K Ohm , F, 1/16W		
		R7873	D0GF242JA048	M 2.4K Ohm, J, 1/4W		
		R7874	D0GF473JA048	M 47K Ohm, J, 1/4W		
		R7875	D0GF242JA048	M 2.4K Ohm, J, 1/4W		
		R7876	D0GF473JA048	M 47K Ohm, J, 1/4W		
		R7877	D0GF242JA048	M 2.4K Ohm, J, 1/4W		
		R7878	D0GF242JA048	M 2.4K Ohm, J, 1/4W		
		R7879	D0GF242JA048	M 2.4K Ohm, J, 1/4W		
		R7880	D0GF242JA048	M 2.4K Ohm, J, 1/4W		
		R7881	D0GF242JA048	M 2.4K Ohm, J, 1/4W		
		R7882	D0GF473JA048	M 47K Ohm, J, 1/4W		
		R7883	D0GF242JA048	M 2.4K Ohm, J, 1/4W		
		R7884	D0GF473JA048	M 47K Ohm, J, 1/4W		
		R7885	D0GF242JA048	M 2.4K Ohm, J, 1/4W		
		R7886	D0GF242JA048	M 2.4K Ohm, J, 1/4W		
		R7887	D0GF242JA048	M 2.4K Ohm, J, 1/4W		
		R7888	D0GF242JA048	M 2.4K Ohm, J, 1/4W		
		R7889	D0GD1R0JA052	M 1 Ohm, J, 1W		
		R7895	D1BD18R0A204	M 18 Ohm, F, 1/16W		
		R7897	D1BD18R0A204	M 18 Ohm, F, 1/16W		
		R7899	D0GD101JA052	M 100 Ohm, J, 1/8W		
		R8099	D1BA2002A023	M 20K Ohm, F, 1/16W		
		R8100	D1BA5601A023	M 5.6K Ohm, F, 1/16W		
		R8101	D0GA510JA023	M 51 Ohm, J, 1/16W		
		R8102	D0GA510JA023	M 51 Ohm, J, 1/16W		
		R8103	D1BA3002A023	M 30K Ohm, F, 1/16W		
		R8104	D1BA2400A023	M 240 Ohm, F, 1/16W		
		R8105	D1BA1302A023	M 13K Ohm, F, 1/16W		
		R8106	D1BA1502A023	M 15K Ohm, F, 1/16W		
		R8107	D1BA4702A023	M 47K Ohm, F, 1/16W		
		R8113	D1BA4701A023	M 4.7K Ohm, F, 1/16W		
		R8114	D1BA2002A023	M 20K Ohm, F, 1/16W		
		R8115	D1BA1802A023	M 18K Ohm, F, 1/16W		
		R8116	D1BA3001A023	M 3K Ohm, F, 1/16W		
		R8118	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R8120	D0GAR00J0005	M 0 Ohm, 1/16W		
		R8123	D1BA2202A023	M 22K Ohm, F, 1/16W		
		R8124	D1BA1202A023	M 12K Ohm, F, 1/16W		
		R8126	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R8128	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R8130	D0GA472JA023	M 4.7K Ohm, J, 1/16W		
		R8137	D0GA472JA023	M 4.7K Ohm, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8138	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R8141	D0GA473JA039	M 47K Ohm, J, 1/16W		
		R8145	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R8146	D0GA472JA023	M 4.7K Ohm, J, 1/16W		
		R8147	D0GA750JA023	M 75 Ohm, J, 1/16W		
		R8148	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R8149	D1BA1001A023	M 1K Ohm, F, 1/16W		
		R8150	D1BA1001A023	M 1K Ohm, F, 1/16W		
		R8151	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R8900	D0GA101JA023	M 100 Ohm, J, 1/16W		
		R8901	D0GA472JA023	M 4.7K Ohm, J, 1/16W		
		R8902	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R8903	D0GBR00J0004	M 0 Ohm, J, 1/10W		
		R8904	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R8905	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R8906	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R8907	D0GA680JA023	M 68 Ohm, J, 1/16W		
		R8908	D0GA103JA023	M 10K Ohm, J, 1/16W		
		R8909	D0GA472JA023	M 4.7K Ohm, J, 1/16W		
		R8910	D0GA102JA023	M 1K Ohm, J, 1/16W		
TRANSFORMER						
		T7202	G4DYA0000496	TRANSFORMER		
		T7301	G4DYA0000565	TRANSFORMER		
OTHERS						
		A02	K1KY14BA0484	CONNECTOR		
		A10	K1KY07BA0483	CONNECTOR		
		A11	K1MY51BA0526	CONNECTOR		
		A12	K1KY04BA0387	CONNECTOR		
		CF7104	D4CAY2R20002	THERMISTORS		
		CN0100	K1KA14A00248	CONNECTOR		
		F7101	K5E502YYA213	FUSE		
		GK4	K1KY03BA0402	CONNECTOR		
		JA1	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		JA10	D0GFR00J0005	M 0 Ohm, J, 1/3W		
		JA11	D0GFR00J0005	M 0 Ohm, J, 1/3W		
		JA13	D0GFR00J0005	M 0 Ohm, J, 1/3W		
		JA14	D0GFR00J0005	M 0 Ohm, J, 1/3W		
		JA16	D0GFR00J0005	M 0 Ohm, J, 1/3W		
		JA17	D0GFR00J0005	M 0 Ohm, J, 1/3W		
		JA2	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		JA3	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		JA4	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		JA5	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		JK3101	K1U511D00002	AV TERMINAL		
		JK4700	K1FY119D0029	TERMINAL		
		JK4701	K1FY119D0029	TERMINAL		
		JK6752	K1ZZ00001557	TUNER SHIELD		
		JK7101	K2AAYB000010	TERMINAL		
		JK8450	K1FY104B0092	TERMINAL		
		JS0048	D0GAR00J0005	M 0 Ohm, 1/16W		
		JS0069	D0GAR00J0005	M 0 Ohm, 1/16W		
		JS7406	D0GFR00J0005	M 0 Ohm, J, 1/3W		
		JS7501	D0GDR00J0004	M 0 Ohm, J, 1/8W		
		K10	K1KY07BA0483	CONNECTOR		
		LD1	K1KY09BA0402	CONNECTOR		
		LD2	K1KY07BA0385	CONNECTOR		
		LF7103	G0B183GA0082	LINE FILTER		
		LF7104	G0B183GA0082	LINE FILTER		
		LF7105	G0B350GA0083	LINE FILTER		
		P2	K1KY14BA0491	CONNECTOR		
		P4	K1KY09BA0402	CONNECTOR		
		P5	K1KY03BA0402	CONNECTOR		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		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		
		X6800	H0J410500003	CRYSTAL OSCILLATOR		
		X8301	H0J240500095	CRYSTAL OSCILLATOR		
		ZA7101	K4AD01A00004	RUG TERMINAL		
		ZA7102	K4AD01A00004	RUG TERMINAL		
		ZA7105	K4AD01A00004	RUG TERMINAL		
		ZA7801	K4AD01A00004	RUG TERMINAL		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
Exploded View						
		1	K2CQ2YY00122	AC CORD		
		2	L0EYAA000052	SPEAKER UNIT		
		3	N2QAYB000976	REMOTE TRANSMITTER		
		4	TBL5ZX08911	STAND METAL ASSEMBLY		
			TBM4GD6678	MODEL NAME PLATE		
			TBX5ZA03301	KEY BUTTON BRACKET		
		5	TKK5ZC50501A	LED PANEL		
		6	TKP5ZA32202	SIDE AV BRACKET		
		7	TPD4GA07081	CUSHION CORNER		
		8	TPD4GA07091	CUSHION ACCESSORY L		
		9	TPD4GA07101	CUSHION BOTTOM CENTRE		
		10	TPD4GA07111	CUSHION TOP CENTRE		
		11	TPE4GH073	SET COVER		
		12	TQZ4GB960	FAN BAG ASSEMBLY		
			TSCKF0690001	LVDS CABLE		
		13	TXFPC01UKUS	CARTON ASSEMBLY		
		14	TZBL4GX00281	PEDESTAL ASSEMBLY		
			TZLP104VTUA	42 IN-HOUSE PANEL		
		15	TZTU4GA1593	BACK COVER ASSEMBLY		
Electrical Replacement Part List						
			TXN/K1UWUH	K PRINT ASSEMBLY		
			TXNLD1AHVX	LD PRINT ASSEMBLY		
			TZRN11UKUG	P PRINT ASSEMBLY		
			TZRN12TNUK	GK PRINT ASSEMBLY		
			TZT/A1UKUS	A PRINT ASSEMBLY		