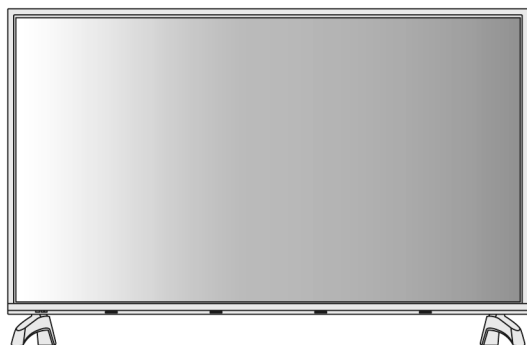


Service Manual

LED TV



Model No. **TH-43D410K**
TH-43D410S

Chassis: **KM25**
Destination: **MALAYSIA / 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.

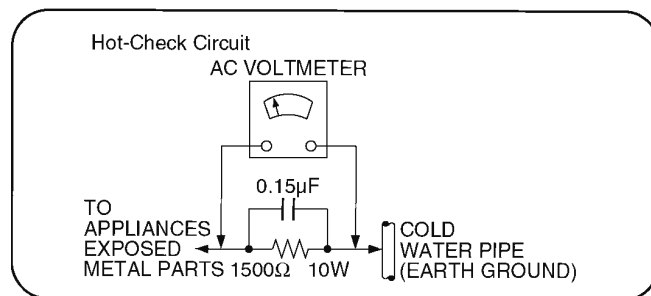


Figure 1

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).

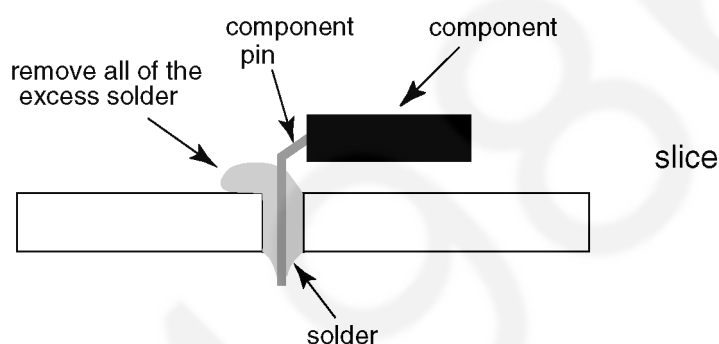
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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.

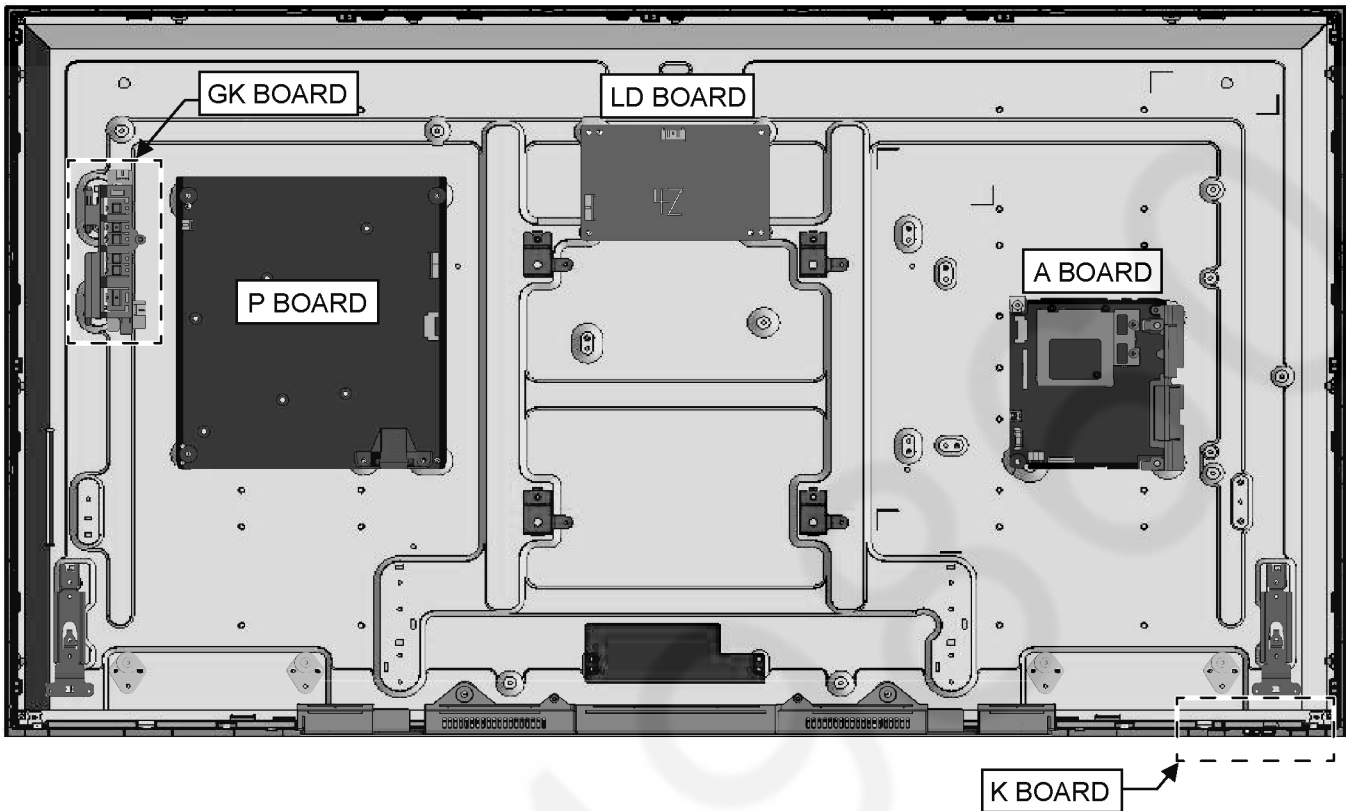
Caution

- 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)	82 W / 0.20 W
Display panel	
Panel	LCD panel (LED backlight)
Visible screen size (diagonal)	108 cm
Display resolution	1,920 (W) × 1,080 (H)
Dimensions (W × H × D)	974 mm × 629 mm × 259 mm (With Pedestal) 974 mm × 569 mm × 80 mm (TV only)
Mass	10.0 kg Net (With Pedestal) 9.0 kg Net (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 / Fibre optic

Sound

Audio output 20 W (10 W + 10 W)

Receiving systems / Band name

17 SYSTEMS	FUNCTION
1 PAL B, G, H 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)	Reception of broadcast transmissions and Playback from Video Cassette Tape Recorders
8 NTSC 4.43 / 5.5 MHz 9 NTSC 4.43 / 6.0 MHz 10 NTSC 4.43 / 6.5 MHz 11 NTSC 3.58 / 5.5 MHz 12 NTSC 3.58 / 6.0 MHz 13 NTSC 3.58 / 6.5 MHz 14 SECAM I	Playback from Special VCR's or DVD
15 PAL 60 Hz / 5.5 MHz 16 PAL 60 Hz / 6.0 MHz 17 PAL 60 Hz / 6.5 MHz	Playback from Special Disc Players and Special VCR's or DVD

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.)

TH-43D410K TH-43D410S

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.

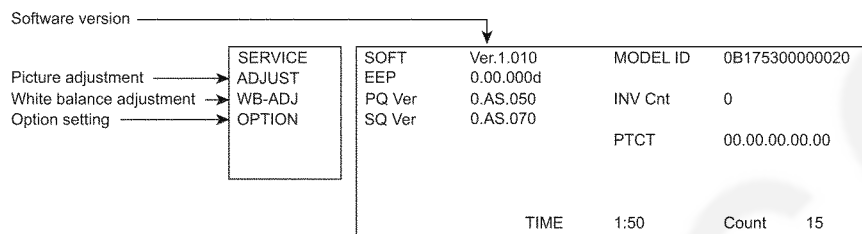
5 Service Mode

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.

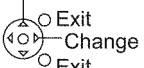
5.1.7. Hotel Mode

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

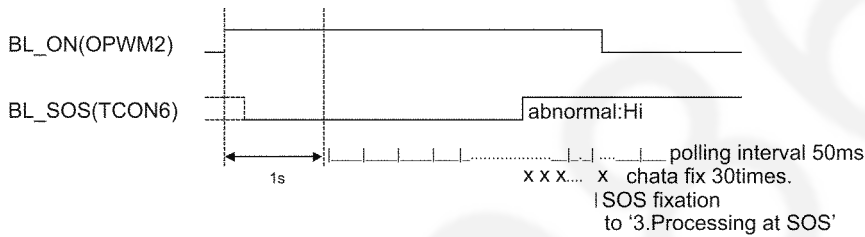
- 1. Subject
Information of LED Flashing timing chart.
- 2. Contents

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:

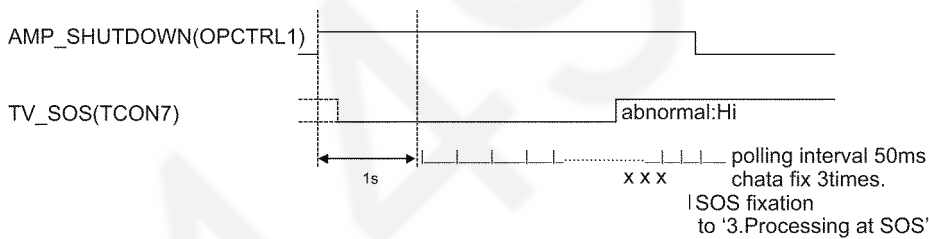
Priority	Name	Factor	R_LED Blink
1	BL_SOS	SOS from PANEL inverter	1
2	TV_SOS	TCON power down	3
3	SOUND_SOS	SOS from audio AMP	9

6.3. Method of detecting SOS

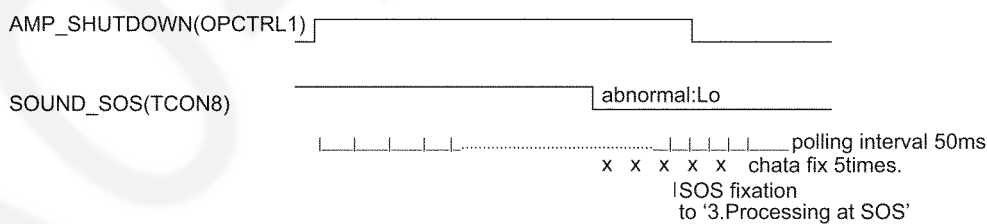
- 1. BL_SOS
Detection beginning after one second pass from 'BL_ON'=ON



- 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.

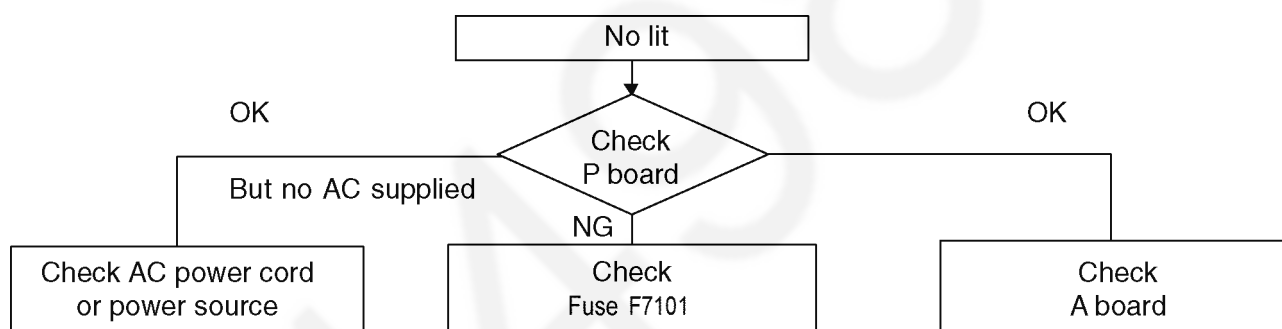
If the normal picture is displayed, LCD Panel must be okay and the cause of failure must be in A board.

6.5. No Power

First check point

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

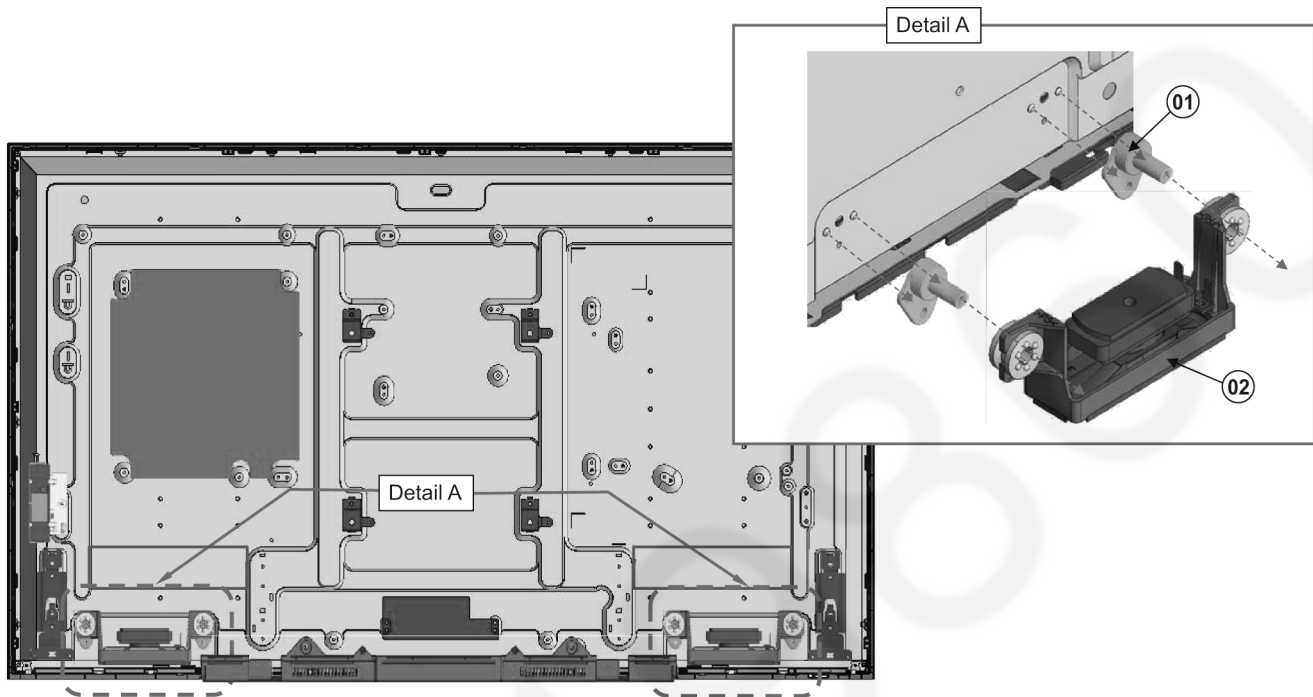
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 6.2.)



7 Disassembly and Assembly Instructions

7.1. Speaker Ass'y

- 1. Fix sp bracket.
- 2. Install sp unit.

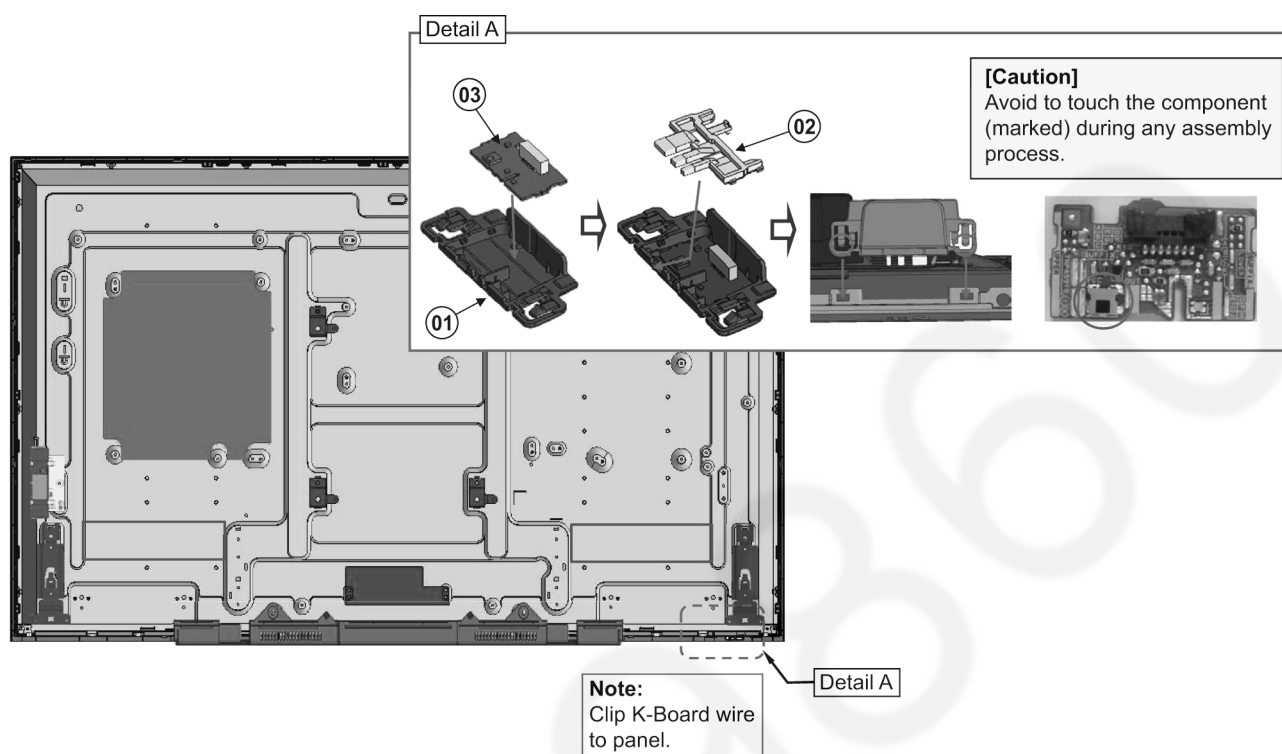


Note:
Screw fixing refer to
page 22

No	Part no	Description	Qty	UOM
01	TKP5ZA52901	SP_BRACKET	4	PC
02	L0EYAA000068	SPEAKER_UNIT	2	PC

7.2. WIFI & LED Panel Ass'y

Assemble led panel ass'y and install to cabinet.

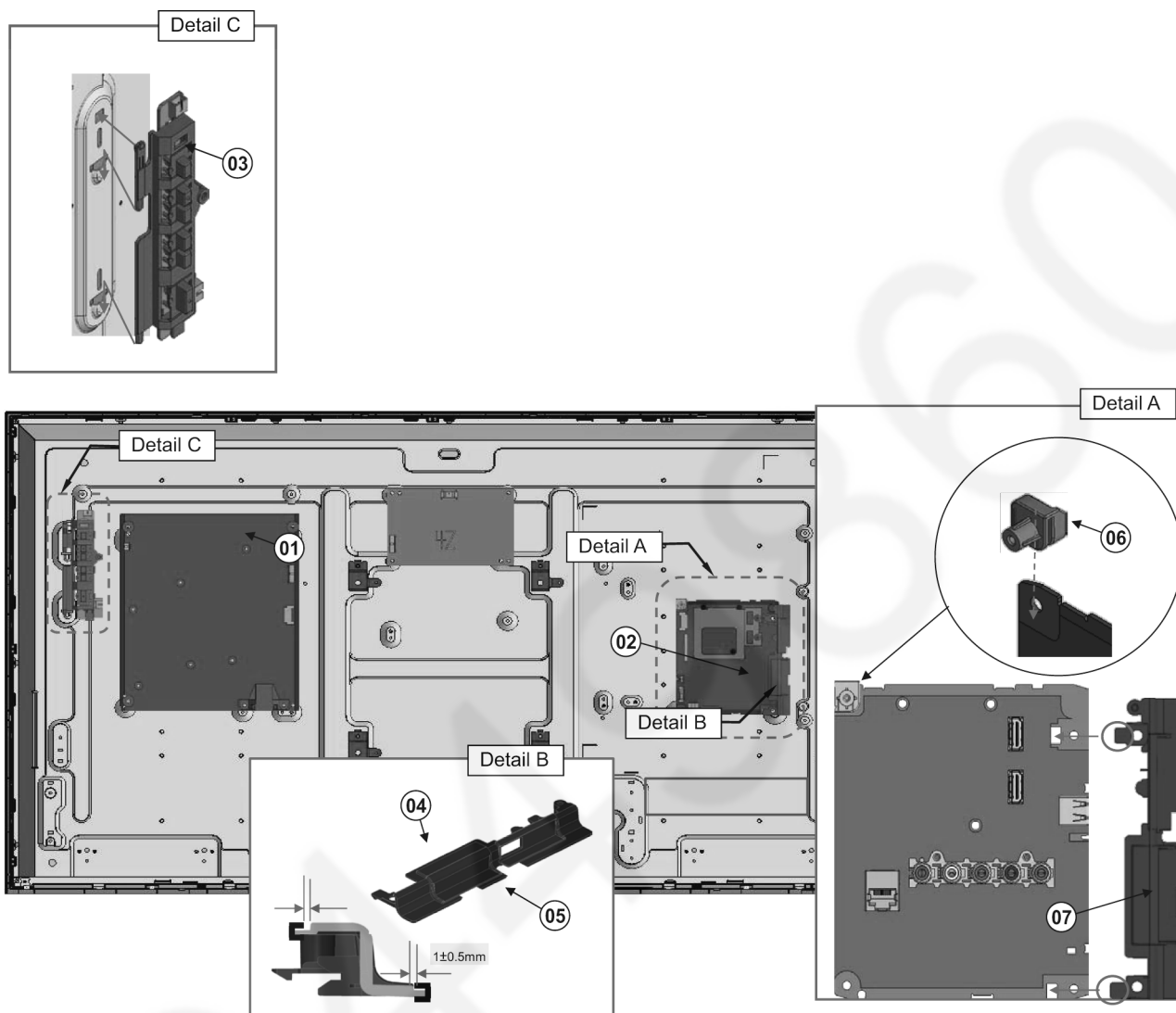


Note:
Screw fixing refer to page 22

No	Part no	Description	Qty	UOM	Remarks
01	TKP5ZA41701	LED PANEL CASE	1	PC	
02	TKK5ZC50501A	LED PANEL	1	PC	
03		K-BOARD	1	PC	*Refer to chassis part list

7.3. PCB & AV Bracket Ass'y

1. Fix A,P-board and key button bracket.
2. Install av brackets.

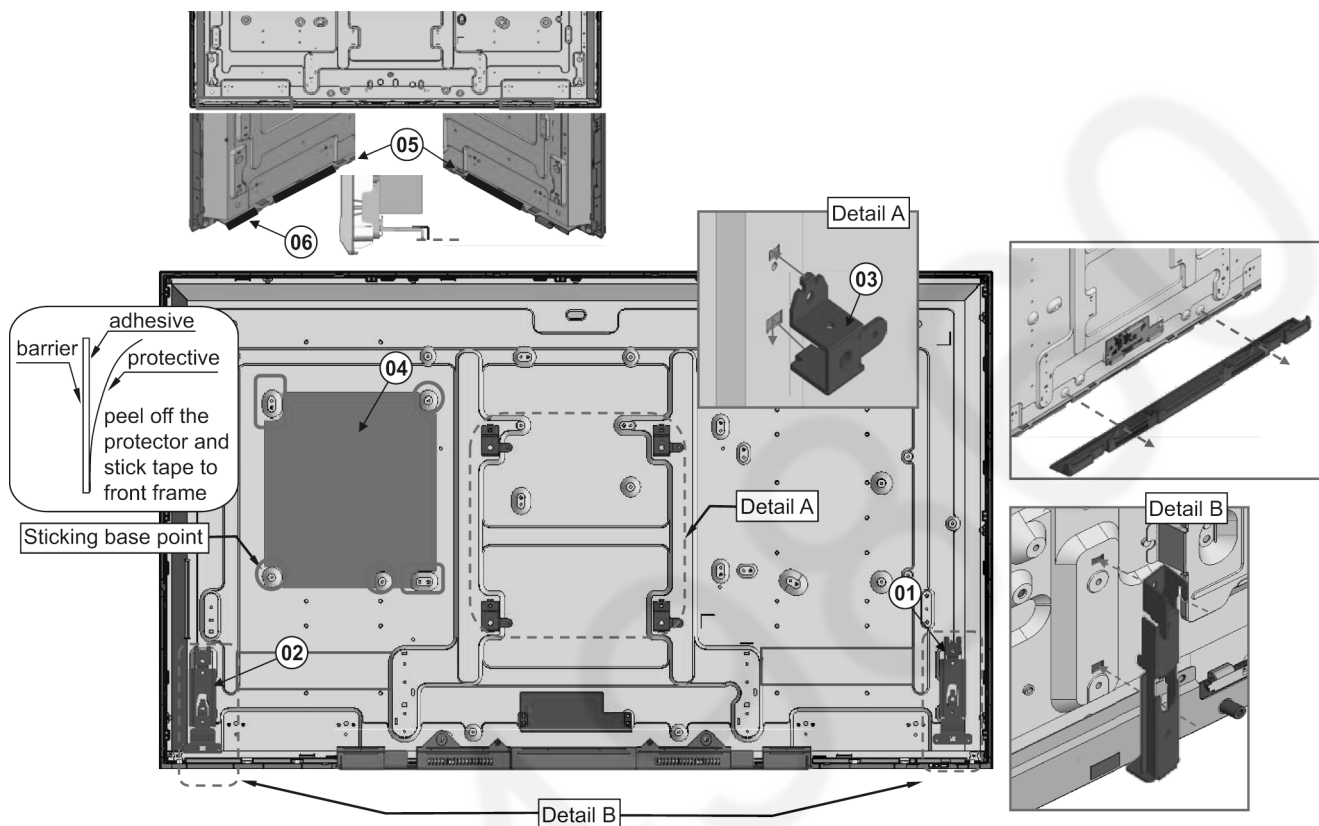


Note:
Screw fixing refer to
page 22

No	Part no	Description	Qty	UOM	Remarks
01		A-BOARD	1	PC	*Refer to chassis part list
02		P-BOARD	1	PC	*Refer to chassis part list
03	TBX5ZA03301	KEY_BUTTON_BRACKET	1	PC	
04	TMK4GA332	FELT (W10 × L50 × T0.55)	1	PC	
05	TMK4GA477	FELT (W10 × L130 × T0.35)	1	PC	
06	TMX5ZE0041	CHASSIS BRACKET A-PCB	1	PC	
07	TKP5ZA32202	SIDE_AV_BRACKET	1	PC	

7.4. Vesa & Bottom Metal Ass'y

1. Fix barrier.
2. Install vesa metal & bottom metal.
3. Tape felt at bottom panel.

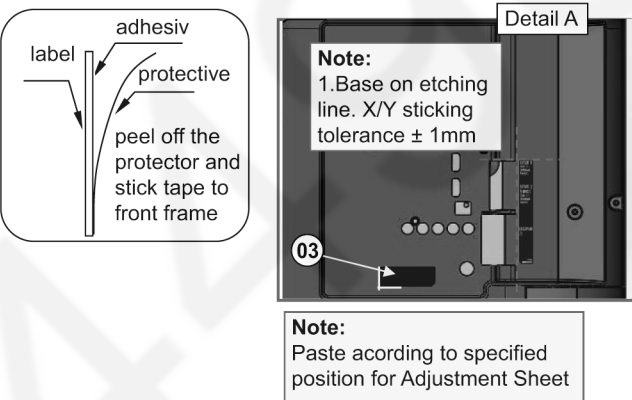
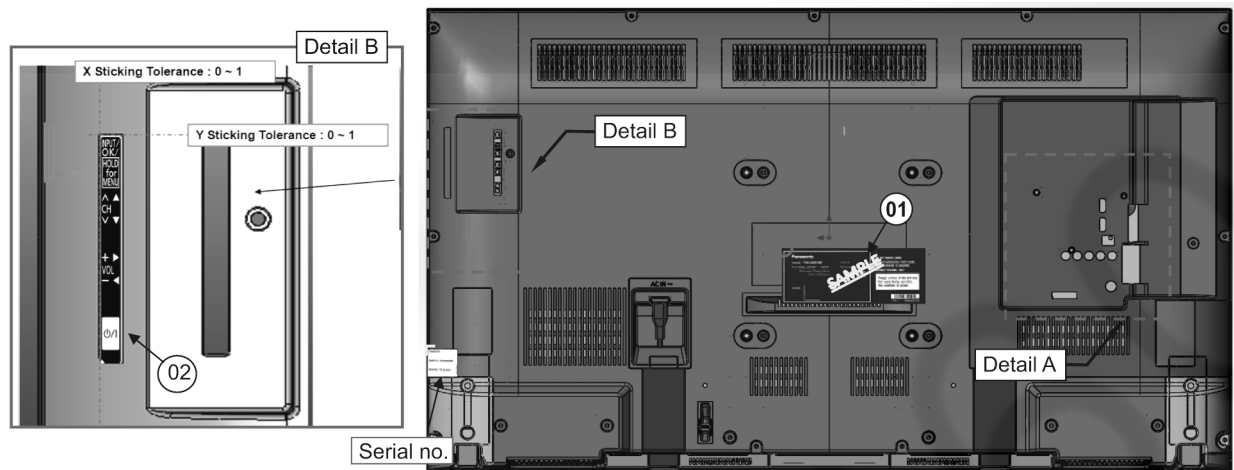


Note:
Screw fixing refer to
page 22

No	Part no	Description	Qty	UOM
01	TUX5ZX1061	BOTTOM METAL L	1	PC
02	TUX5ZX1071	BOTTOM METAL R	1	PC
03	TUX5ZX0371	VESA METAL	4	PC
04	TMK5ZX084	BARRIER	1	PC
05	TMK4GA206	FELT (W10 × L95 × T0.35)	2	PC
06	TMK4GA332	FELT (W10 × L50 × T0.55)	1	PC
07	TZLP152KHAA TZLP152KHAD	ASSY 43 IN-HOUSE PANEL	1	PC

7.5. Label

Stick labels and sticker follow accordingly. (rub evenly at least twice)



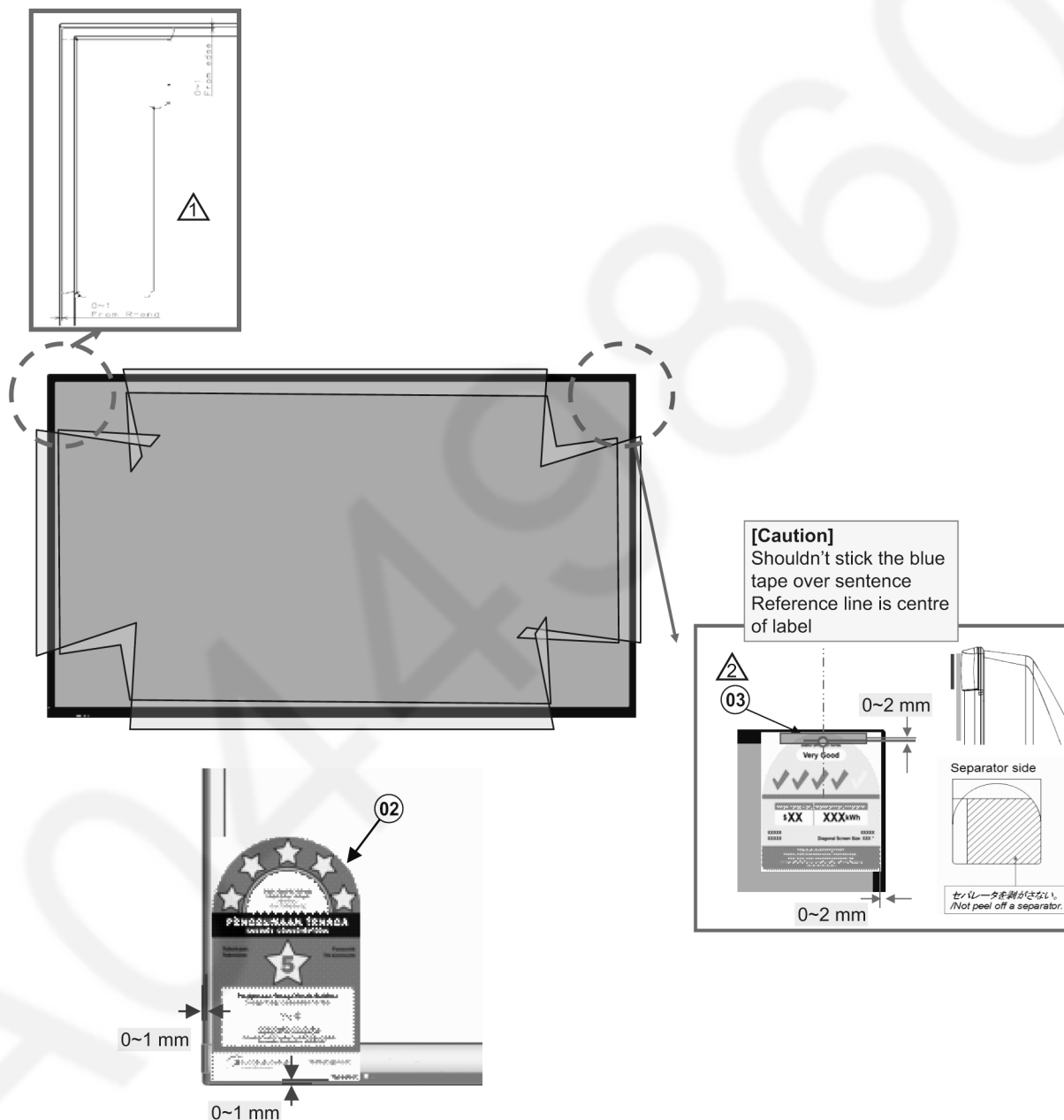
No	Part no	Description	Qty	UOM
01	TBM4GD7251	MODEL_NAME_PLATE	1	PC
	TBM4GD7253			
02	TBM4GU3151	SIDE_BUTTON_LABEL	1	PC
03	TBM4GU113	ADJUSTMENT SHEET	1	PC

7.6. Pop Sticker

1. Peel off the Protection Tape at cabinet.
2. Stick labels to cabinet then blow set with ioning air (Ionizers).
3. Then properly return the protection tape to its original position.

[Caution]

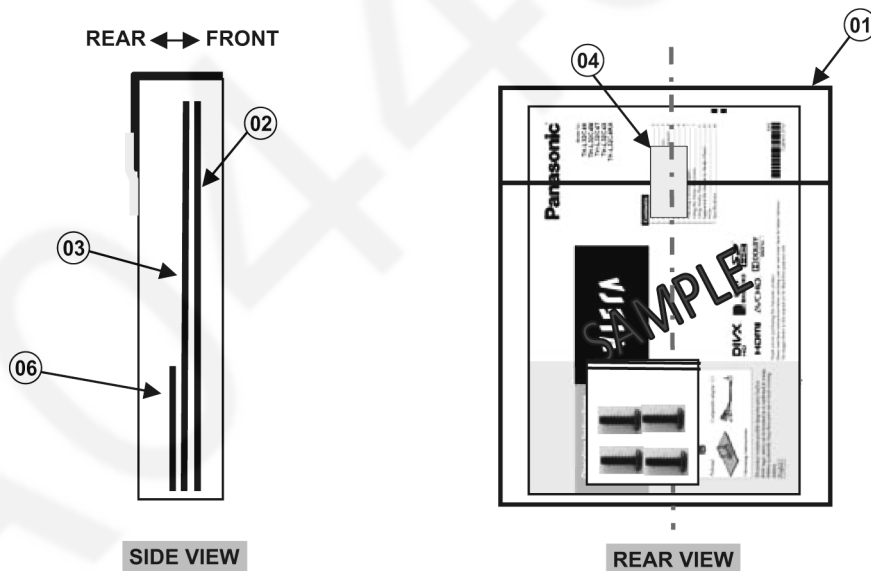
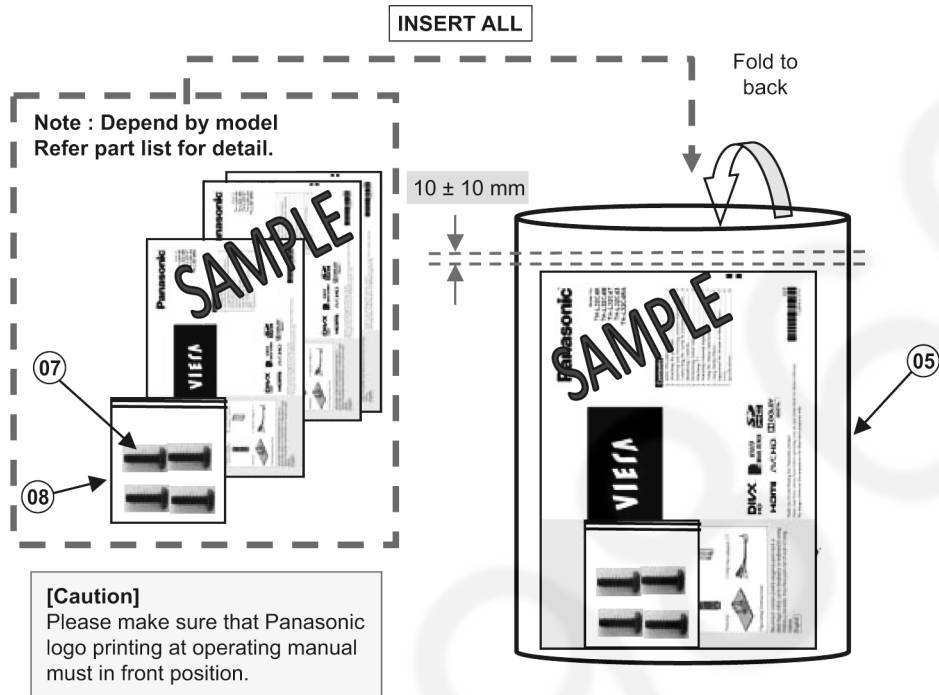
1. Make sure Front Seal not over from radius end.
2. Don't rub set with normal clothes.



No	Part no	Description	Qty	UOM
01	TQFT798	POP STICKER	1	PC
02	TQF4GA821	ENERGY RATING LABEL	1	PC
	TQF4GA832			
03	T4FL0707N	BLUE TAPE (ENERGY: 0.06)	0.06	MT

7.7. Fan Bag Ass'y

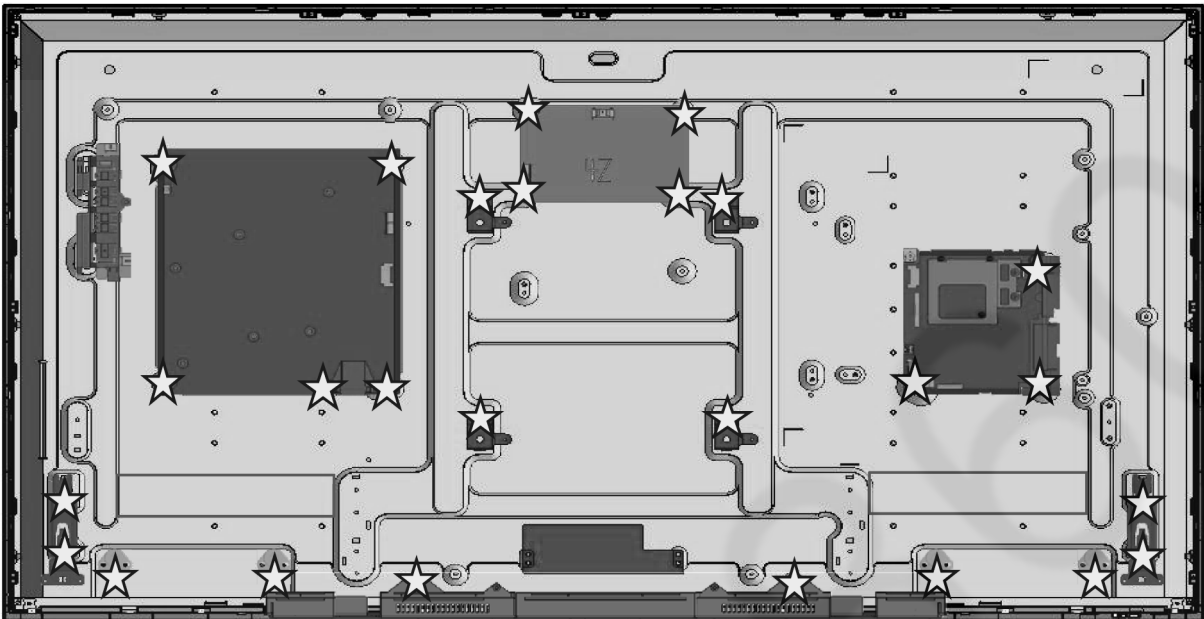
1. Insert all part into cover for fan bag.
2. Direction and sequence (Refer part list for detail).
3. Fold cover for fan bag and stick with yellow masking tape.



No	Part no	Description	Qty	UOM
01	TQZ4GC008	FAN BAG ASSY	1	PC
	TQZ4GC057			
02	TQB4GC1482	OPERATING MANUAL(ENGLISH)	1	PC
03	TQD4G18013-5	WARRANTY CARD	1	PC
	TQB4GC1483	OPERATING MANUAL(CHINESE SIMPLIFIED)	1	PC
04	T5E4G62400	YELLOW TAPE	0.4	MT
05	XZB20X32A02	BAG	1	PC
06	TXFPE01WNUA	PEDESTAL_ACCESSORY_ASSY	1	PC
07	THE5ZL002N	M4 × 12_SEMS_SCREW(BLACK)	4	PC
08	TQE6691	BAG (STAND_METAL)	1	PC

7.8. Screw Fixing

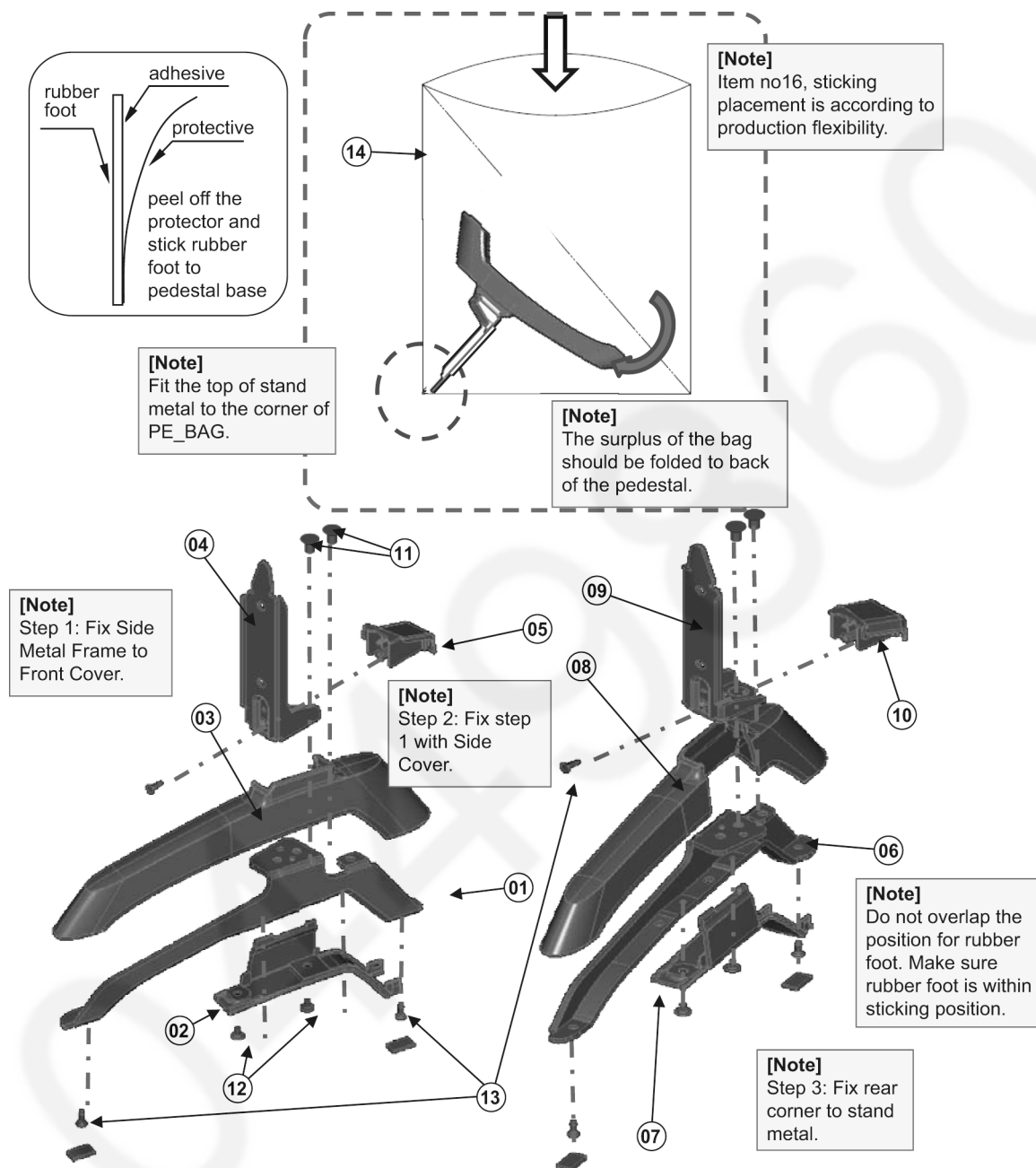
Fix screws with torque given.

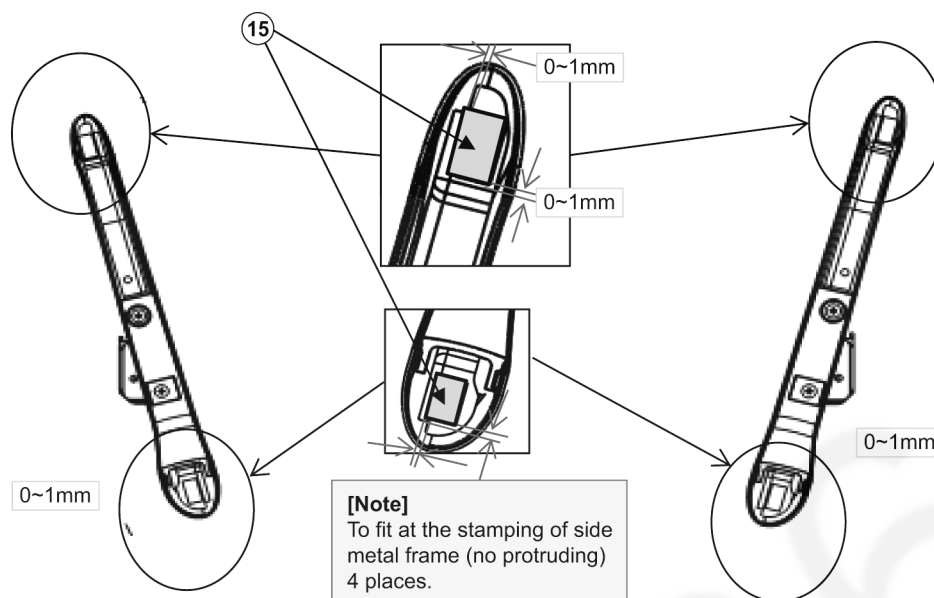


No	Part no	Description	Qty	UOM	Remarks
01	THEJ036J	SC (A3/P5/VESA4/MTL4/SP4/WIFI1/LD4/B2)	26	PC	6 ± 1kgf.cm

7.9. Pedestal Assembly

1. Install pedestal part follow step 1~3.
2. Packed pedestal ass'y with bag.

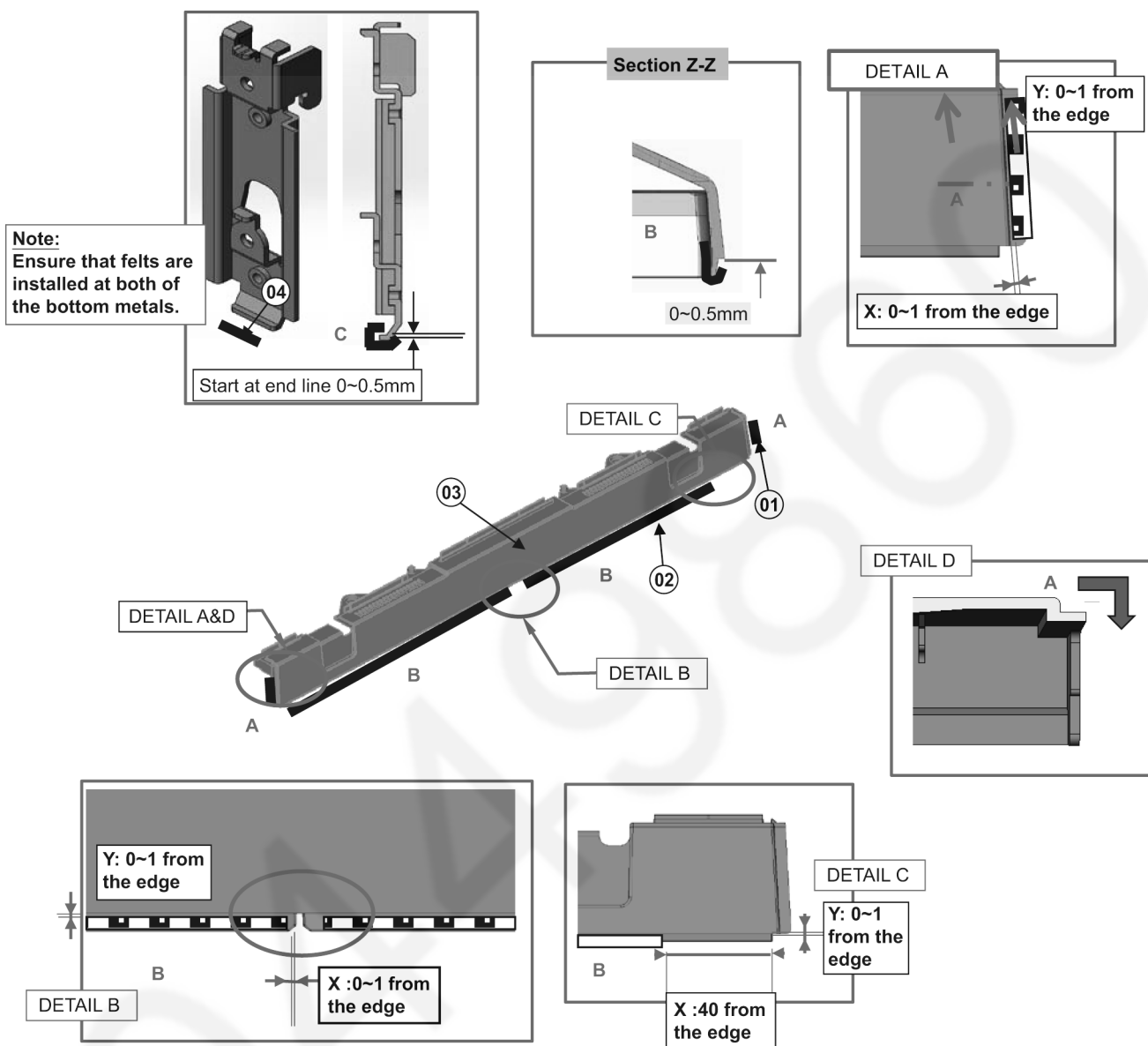




No	Part no	Description	Qty	UOM	Remarks
01	TBL4ZA30031	SIDE METAL FRAME L	1	PC	
02	TBL4ZB30012	SIDE COVER IN L	1	PC	
	TBL4ZB30011				
03	TBL4ZB30032	FRONT COVER L	1	PC	
	TBL4ZB30031				
04	TBL5ZA36651	STAND METAL L	1	PC	
05	TBL5ZB34641	REAR COVER L	1	PC	
06	TBL4ZA30041	SIDE METAL FRAME R	1	PC	
07	TBL4ZB30022	SIDE COVER IN R	1	PC	
	TBL4ZB30021				
08	TBL4ZB30042	FRONT COVER R	1	PC	
	TBL4ZB30041				
09	TBL5ZA36641	STAND METAL R	1	PC	
10	TBL5ZB34671	REAR COVER R	1	PC	
11	THE5ZC028J	M5 × 9 FLAT HEAD SCREW	4	PC	18 ± 2kgf.cm
12	THEC150J	M3 × 5 SCREW	4	PC	6 ± 1kgf.cm
13	XTS3 + 10JFJ	ST3 × 10 FLAT HEAD SCREW	6	PC	6 ± 1kgf.cm
14	TPE5ZB137	BAG (PEDESTAL)	2	PC	
15	TBL5ZG30531	RUBBER FOOT	4	PC	
16	TQF4GA928	QR CODE LABEL (PEDESTAL L)	1	PC	
	TQF4GA929	QR CODE LABEL (PEDESTAL R)	1	PC	
	TQF4GA930	QR CODE LABEL (PEDESTAL R)	1	PC	
	TQF4GA931	QR CODE LABEL (PEDESTAL L)	1	PC	

7.10. Bottom Back Cover and Bottom Corner Ass'y

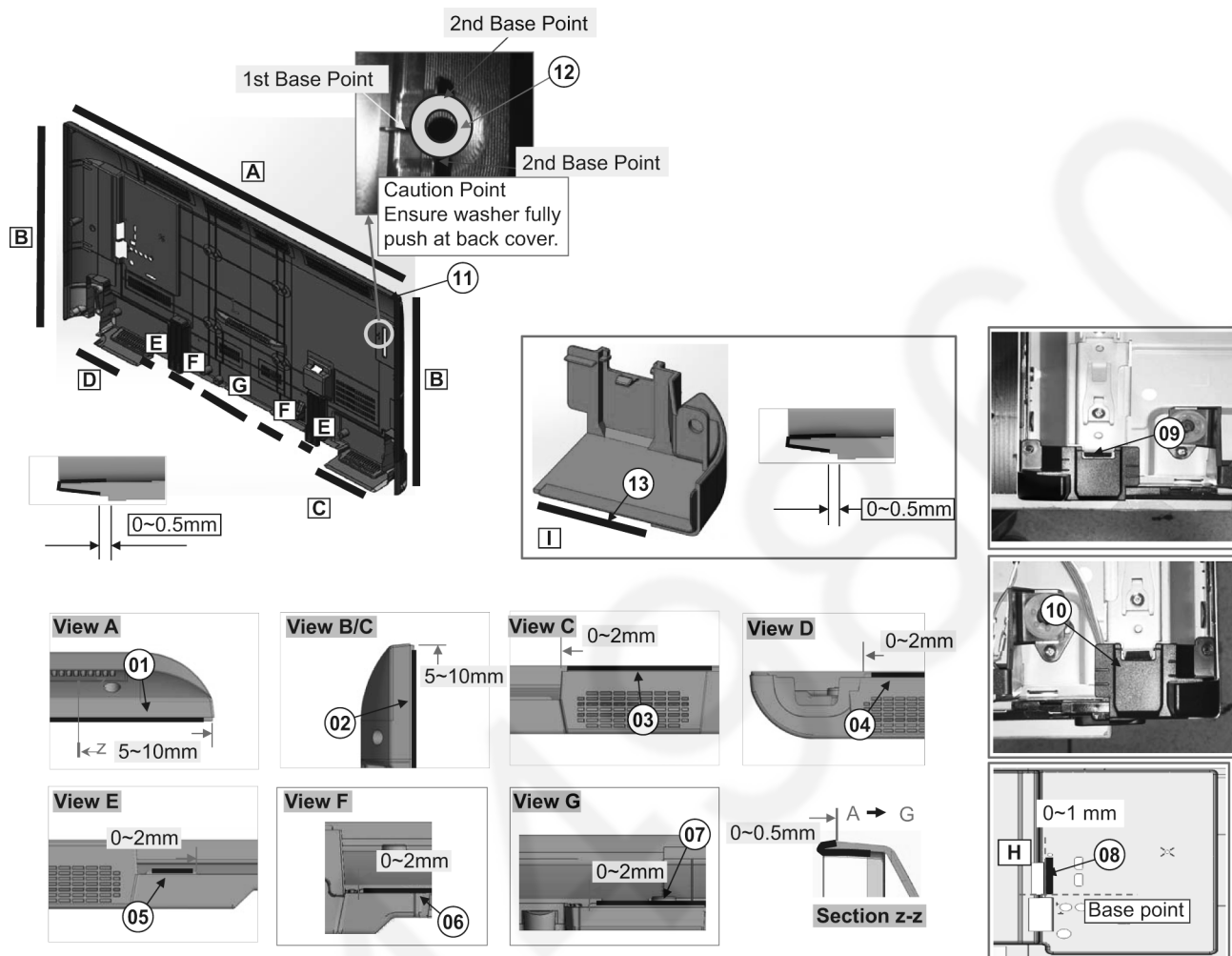
Stick all felt to bottom back cover and bottom metal R and L.



No	Part no	Description	Qty	UOM	Remarks
01	TMK4GA409	FELT (W5 × L40 × T0.35)	2	PC	A
02	TMK4GA428	FELT (W10 × L240 × T0.35)	2	PC	B
03	TKP4GA09801	BOTTOM BACK COVER	1	PC	
04	TMK4GA479	FELT (W10 × L10 × T0.35)	2	PC	C

7.11. Bottom & Back Cover Ass'y 1

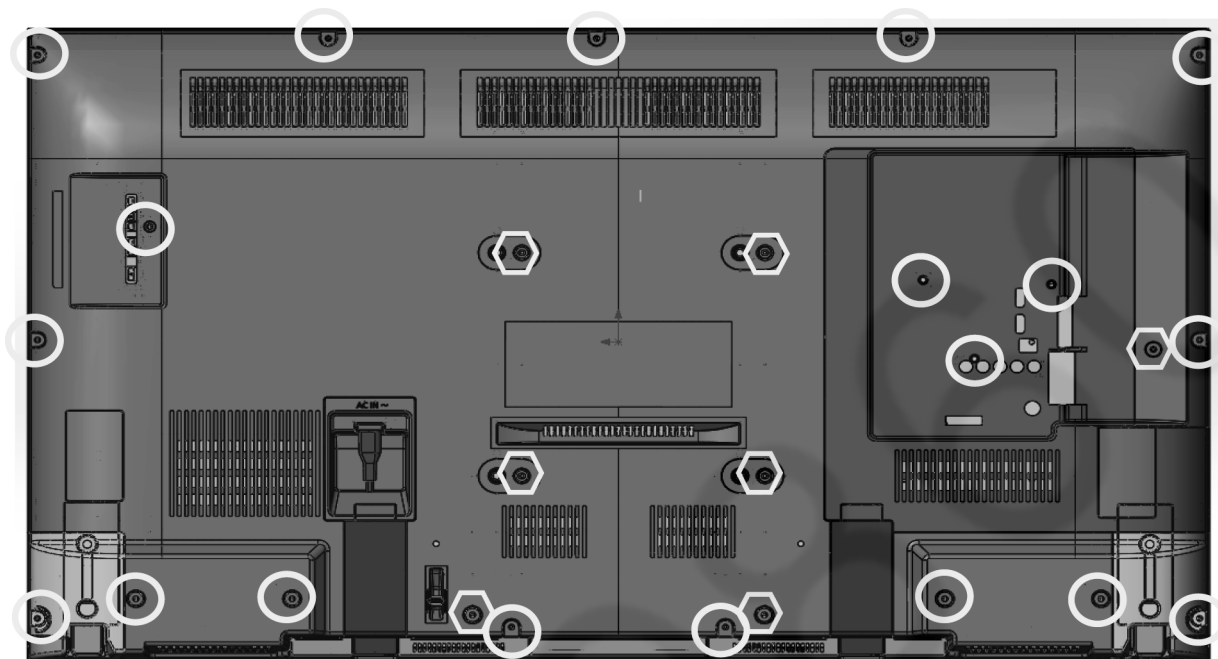
1. Stick all felt to back cover and bottom corner R.
2. Install both bottom corners to respective positions.



No	Part no	Description	Qty	UOM	Remarks
01	TMK4GA402	FELT (W10 × L950 × T0.35)	1	PC	A
02	TMK4GA483	FELT (W10 × L520 × T0.35)	2	PC	B
03	TMK4GA477	FELT (W10 × L130 × T0.35)	1	PC	C
04	TMK4GA340	FELT (W10 × L90 × T0.35)	1	PC	D
05	TMK4GA301	FELT (W8 × L25 × T0.35)	2	PC	E
06	TMK4GA341	FELT (W10 × L70 × T0.55)	2	PC	F
07	TMK4GA477	FELT (W10 × L130 × T0.35)	1	PC	G
08	TMK4GA332	FELT (W10 × L50 × T0.35)	1	PC	H
09	TKP4ZA00201	BOTTOM CORNER COVER R	1	PC	
10	TKP4ZA00101	BOTTOM CORNER COVER L	1	PC	
11	TKU4ZC00111	BACK COVER	1	PC	
12	TMKZ001	WASHER	1	PC	
13	TMK4GA265	FELT (W10 × L35 × T0.35)	1	PC	I

7.12. Back Cover Ass'y 2

1. Install backcover and fix with screws.
2. Install bottom back cover corner before installing back cover.



[Note]
Install back bottom corner
before installing back cover.

No	Part no	Description	Qty	UOM	Remarks
01	THEC1509	SCREW (BC3/VESA4)	7	PC	6 ± 1kgf.cm
02	THTD037J	SCREW (BC11/AV3/CRTL1/SP4)	19	PC	6 ± 1kgf.cm

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.

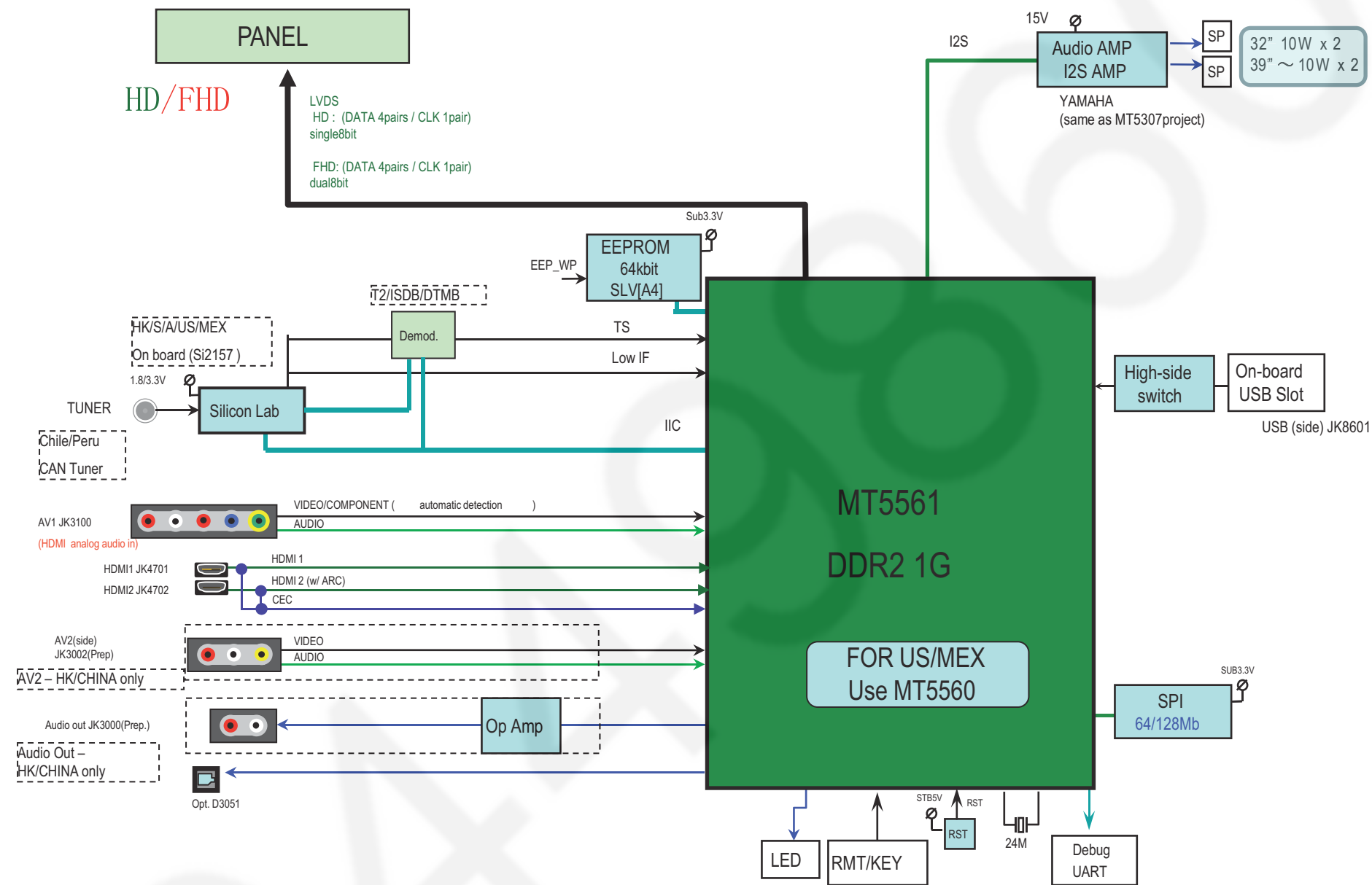
Step 2 TV_SUB_ON P2 connector - pin 8 (TP7416) DC2.5V ON.

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



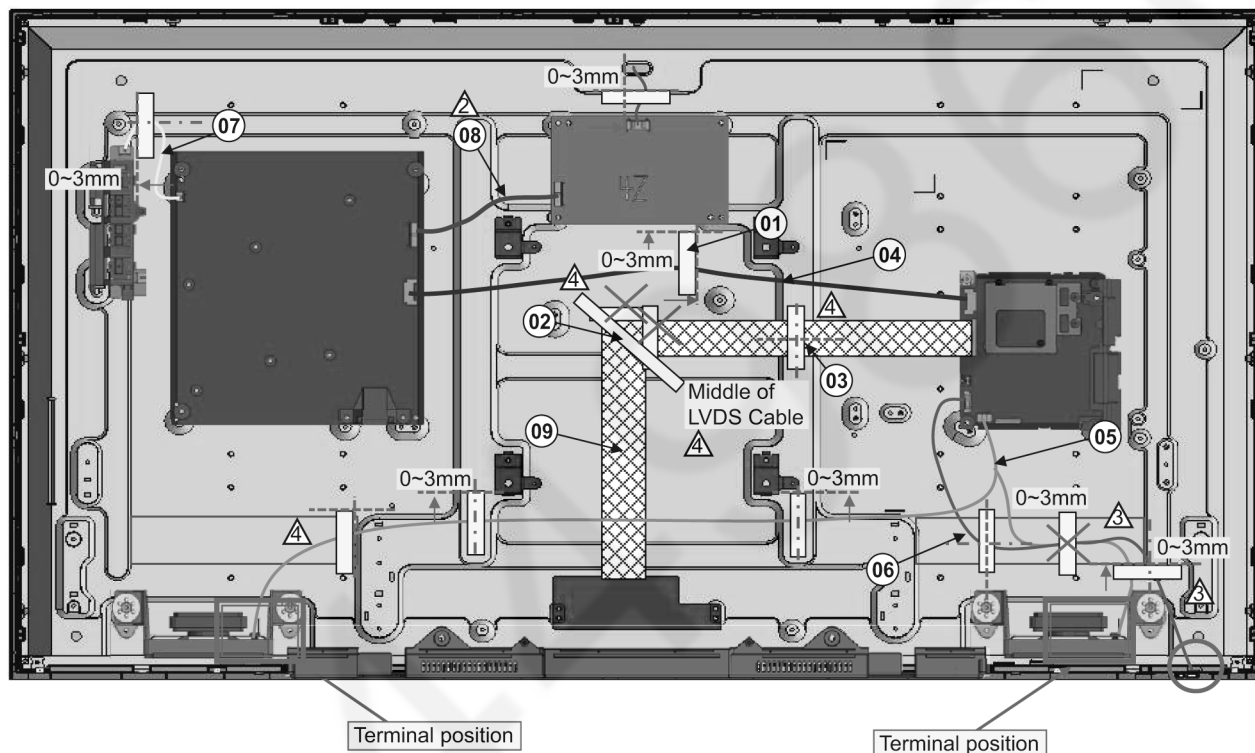
10 Wiring Connection Diagram

10.1. Wire Dressing

1. Do wire dressing follow below spec.
2. Stick tapes.

[Caution]

- 1.Ensure all connectors are fully inserted and locked.
- 2.Tapes should be rub evenly at lease twice.
3. Make sure no wires are within screwing positions.



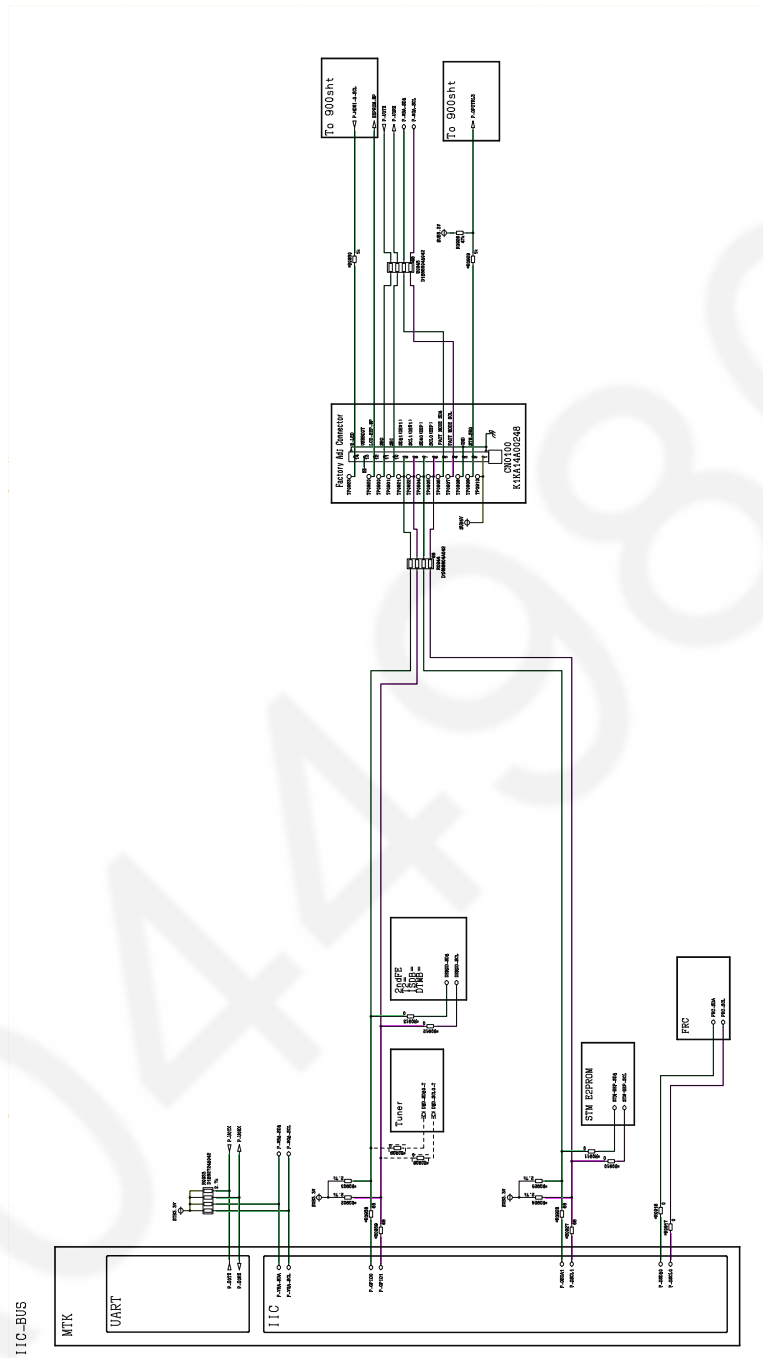
[Note]

K-Board wire should be inserted in panel bracket hook.

No	Item	Description	Qty	UOM	Remarks
01	T4FP10050	PET TAPE	0.60	MT	60mm × 9
02			0.11	MT	110mm × 1
04		WIRE (A02-P2)	1	PC	*Refer to chassis part list
05		WIRE (A12-SPL/SPR)	1	PC	*Refer to chassis part list
06		WIRE (A10-K10/BT)	1	PC	*Refer to chassis part list
07		WIRE (P5-GK)	1	PC	*Refer to chassis part list
08		WIRE (P4-LD)	1	PC	*Refer to chassis part list
09	TSCKF0170194	LVDS CABLE	1	PC	

11 Schematic Diagram

Model No. : TH-43D410K TH-43D410S A-Board (1/14)



SHEET 002

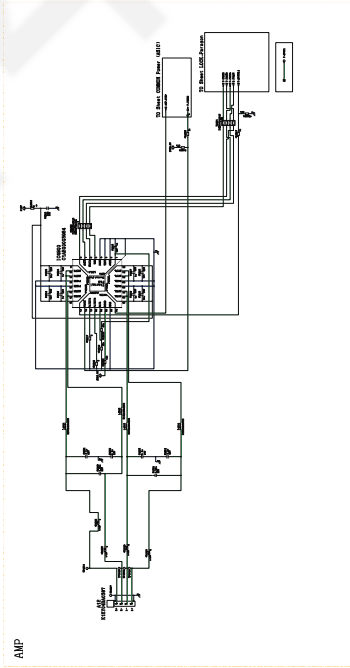
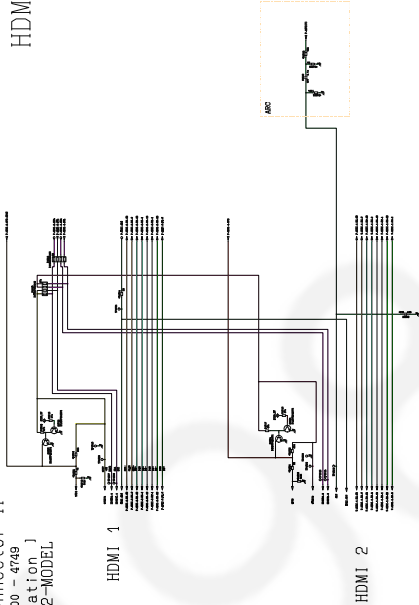
REF No. 0900 - 0999

[Net Variation]

SHEET 003
HDMI / AudioAMP

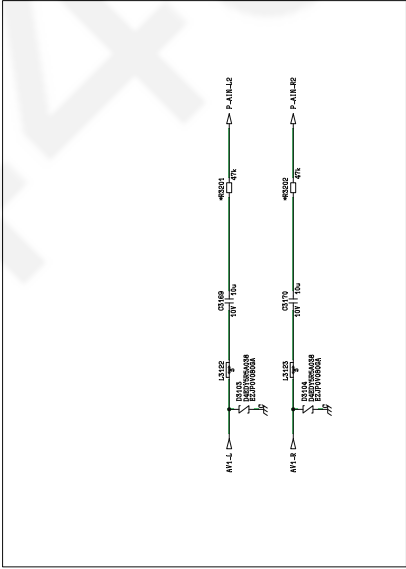
[Block Name] IF
HDMI Connector IF
REF No. 4500 - 4749
[Net Variation]
MTK-HDMI2-MODEL

[Block Name] [Net Variation] Common
Audio-AMP
REF No. 4900 - 4959

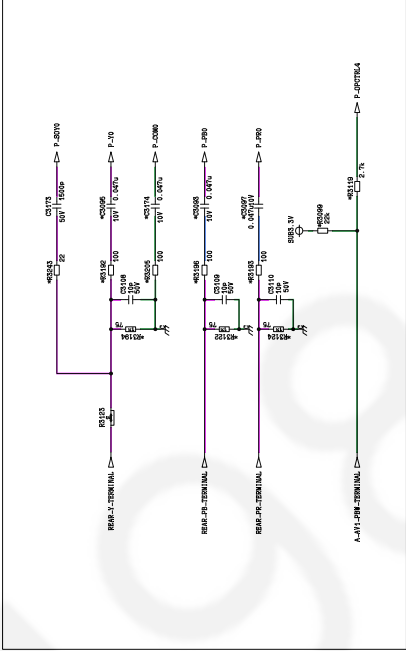


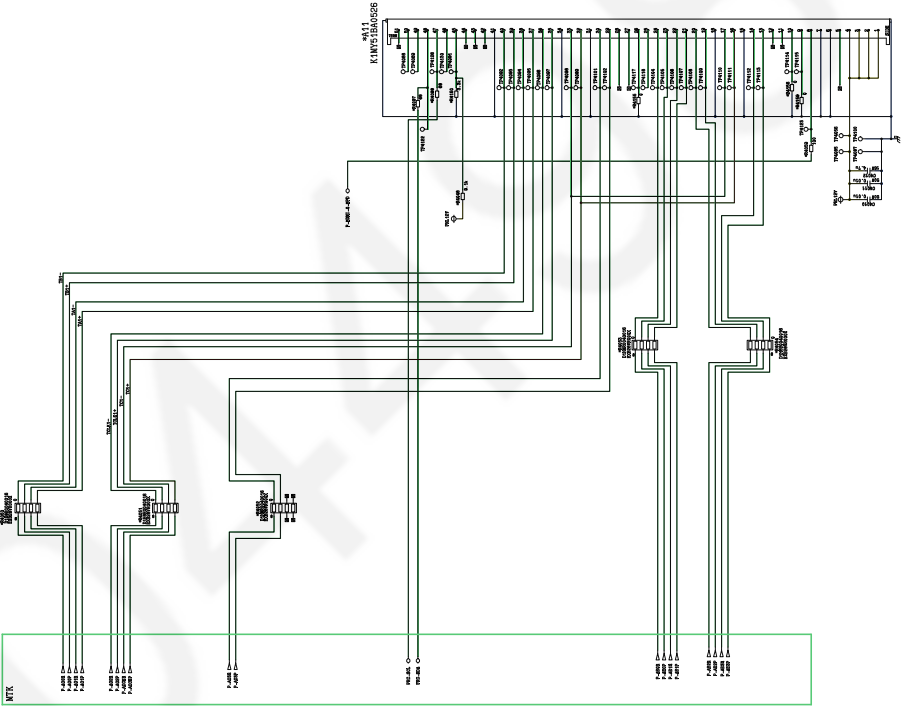
SHEET 004
AVSW-Connection
REF No. 3000 - 3399

VIDEO/AUDIO IN

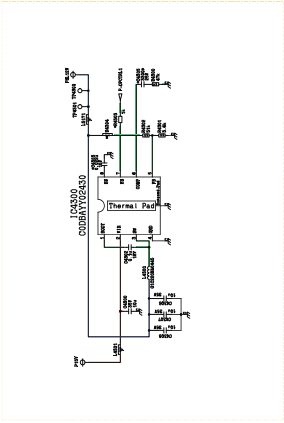


YPbPr





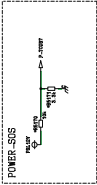
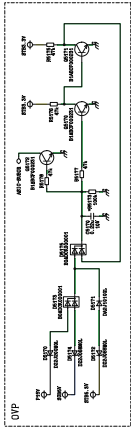
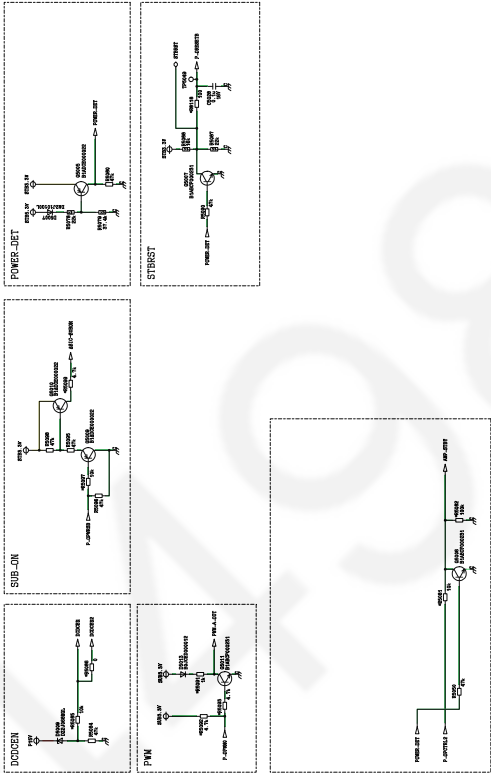
PWL 12



SHEET 100
SOS / ASIC

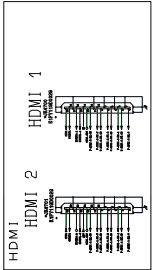
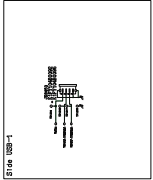
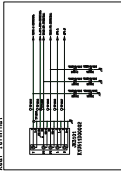
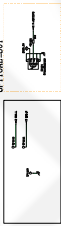
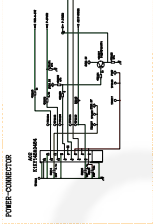
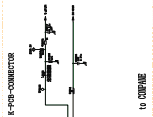
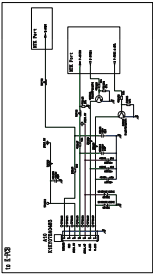
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SOS
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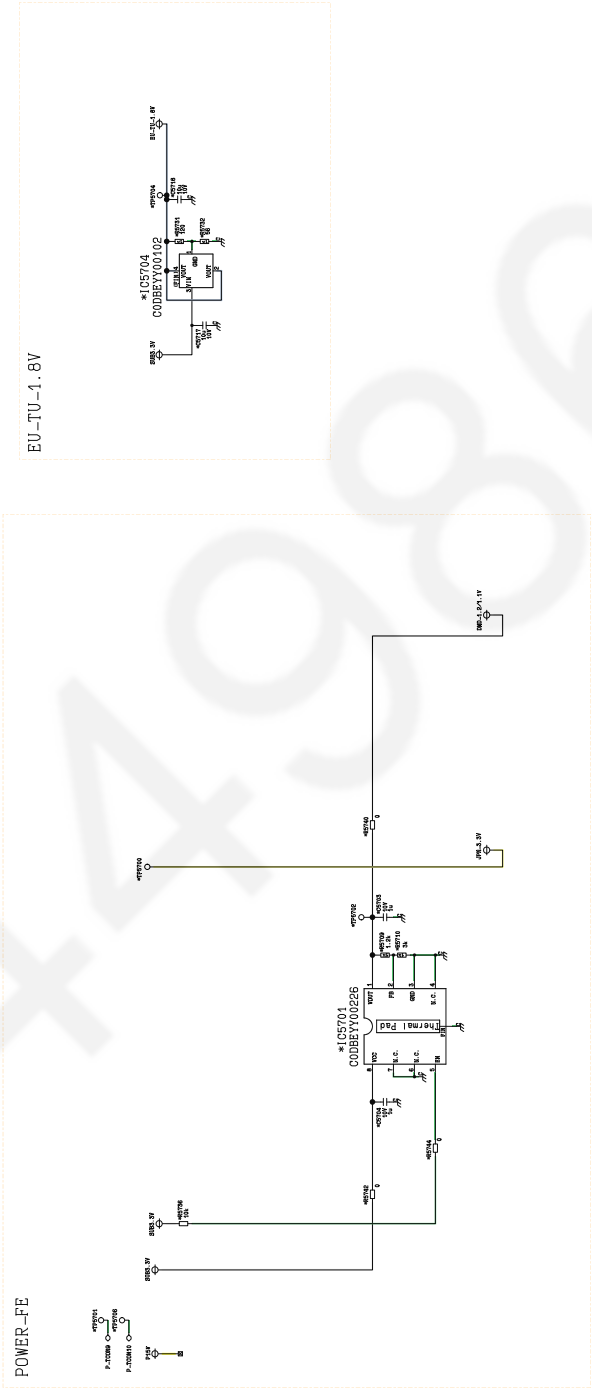


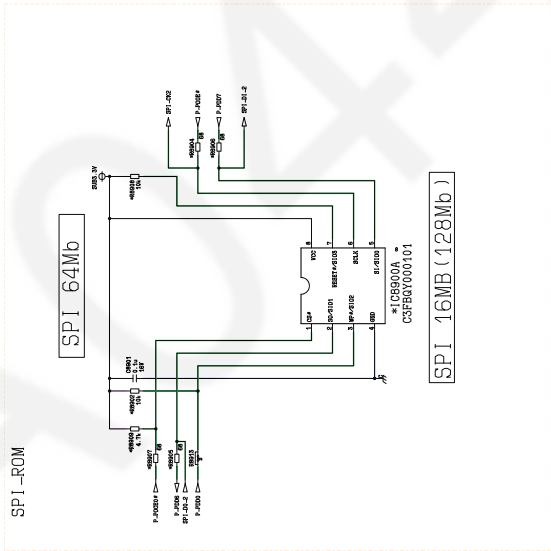
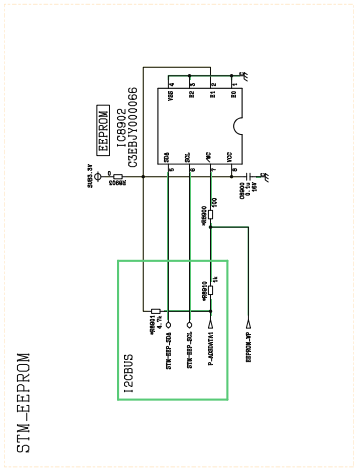
Set
REF No. 2000 - 2499

Terminal
REF No. 1000 - 1099



SHEET 102
Power for TU+FE
REF No. 5700 - 5899

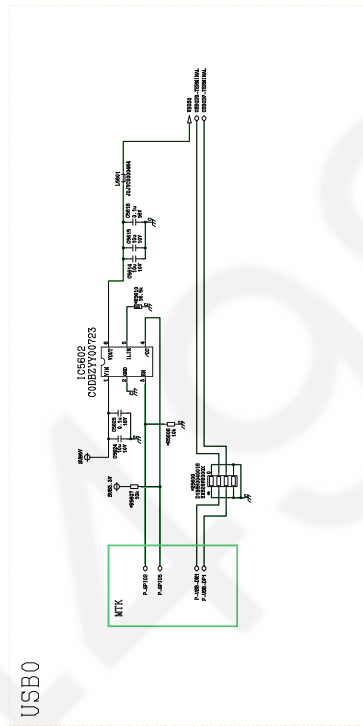




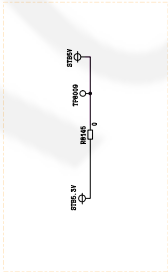
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SPI / E2PROM

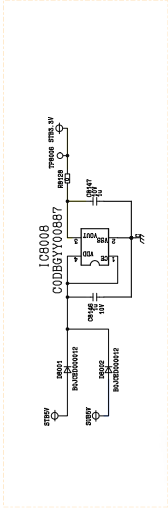
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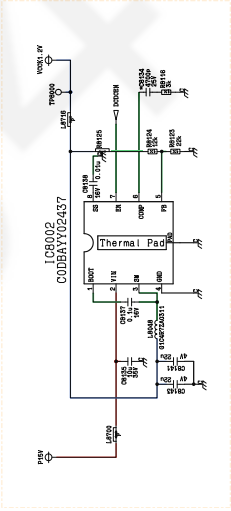
STB5V



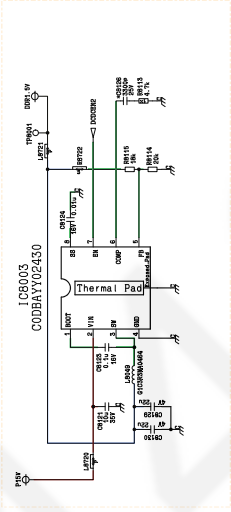
STB3.3V



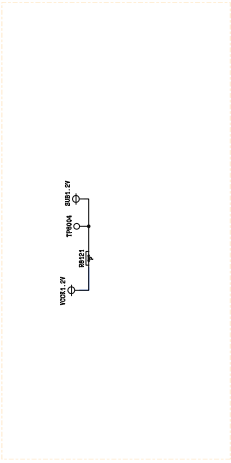
VCKK1.2V



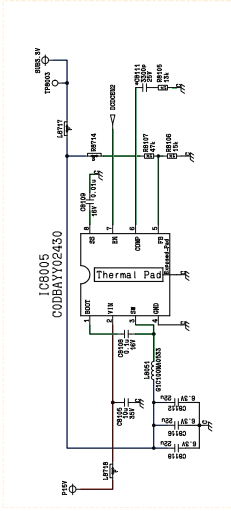
DDR1.5V



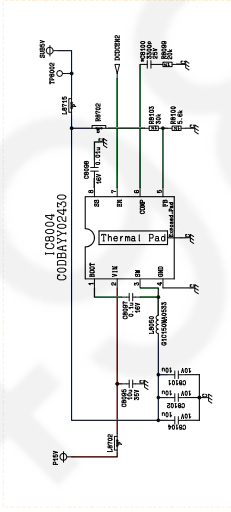
SUB1.2V



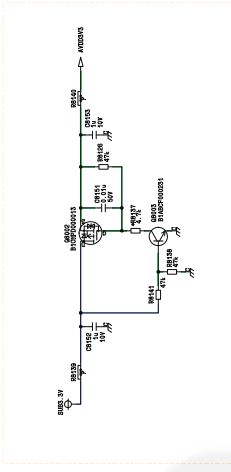
SUB3.3V



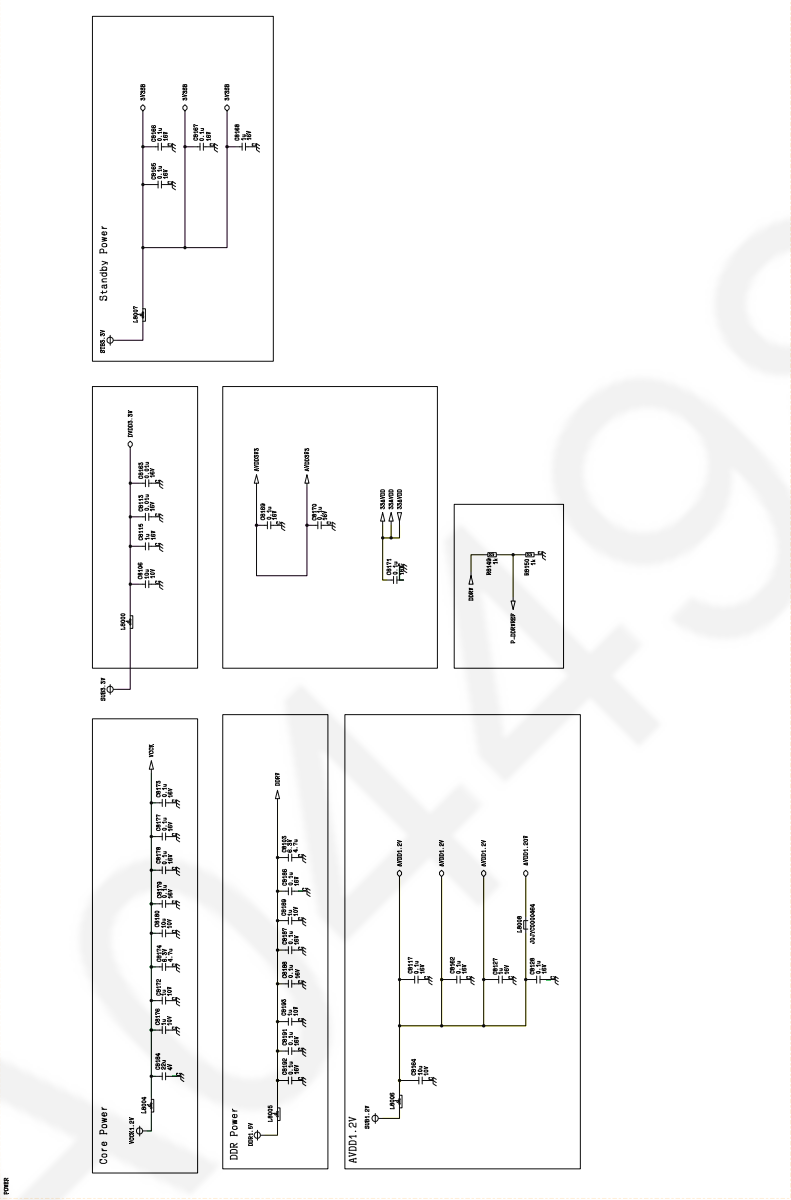
SUB5V



AVDDH3.3V

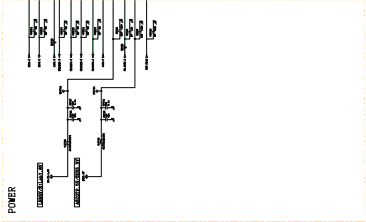
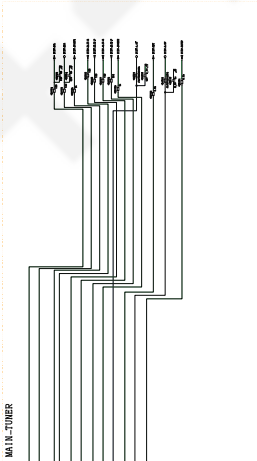
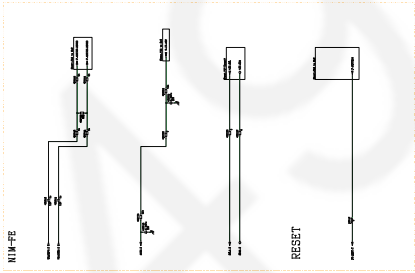
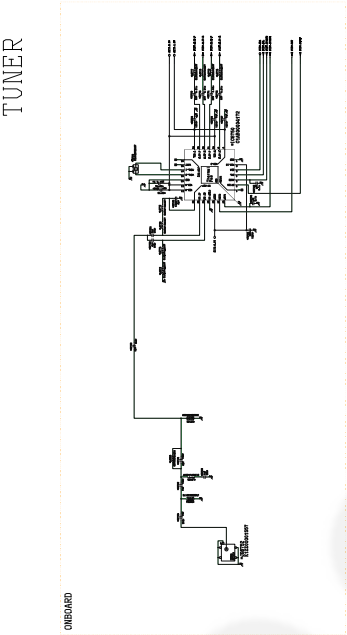


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Common - POWER
CRNo : 8000

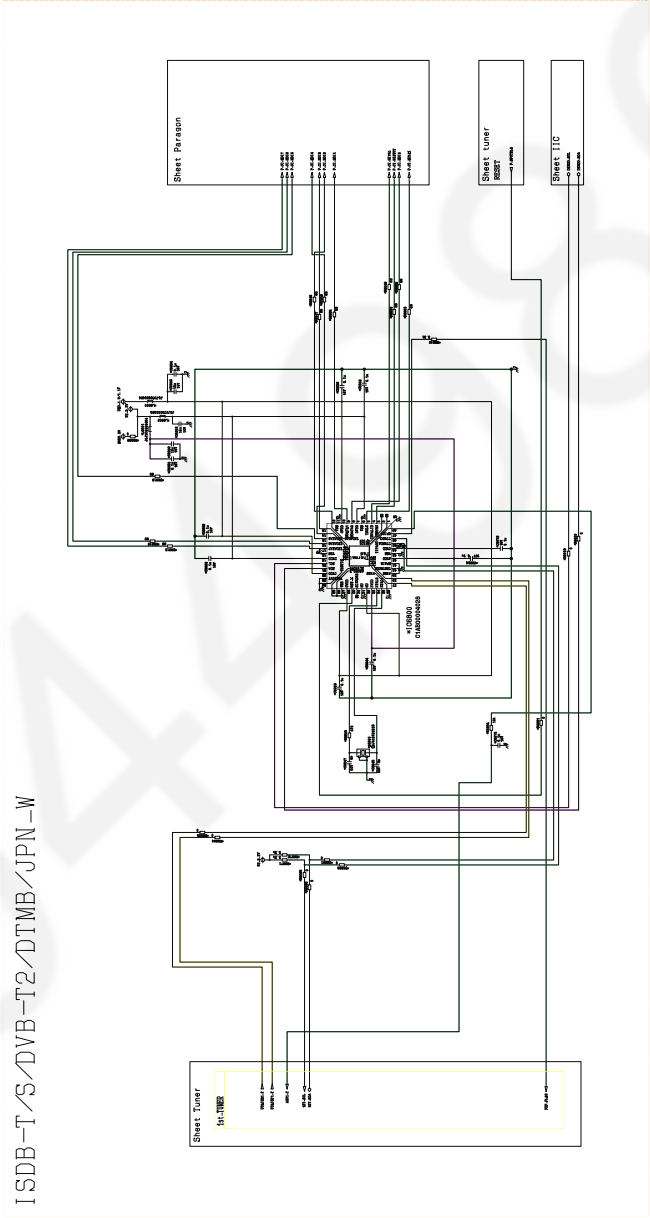


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POWER DEVIDING

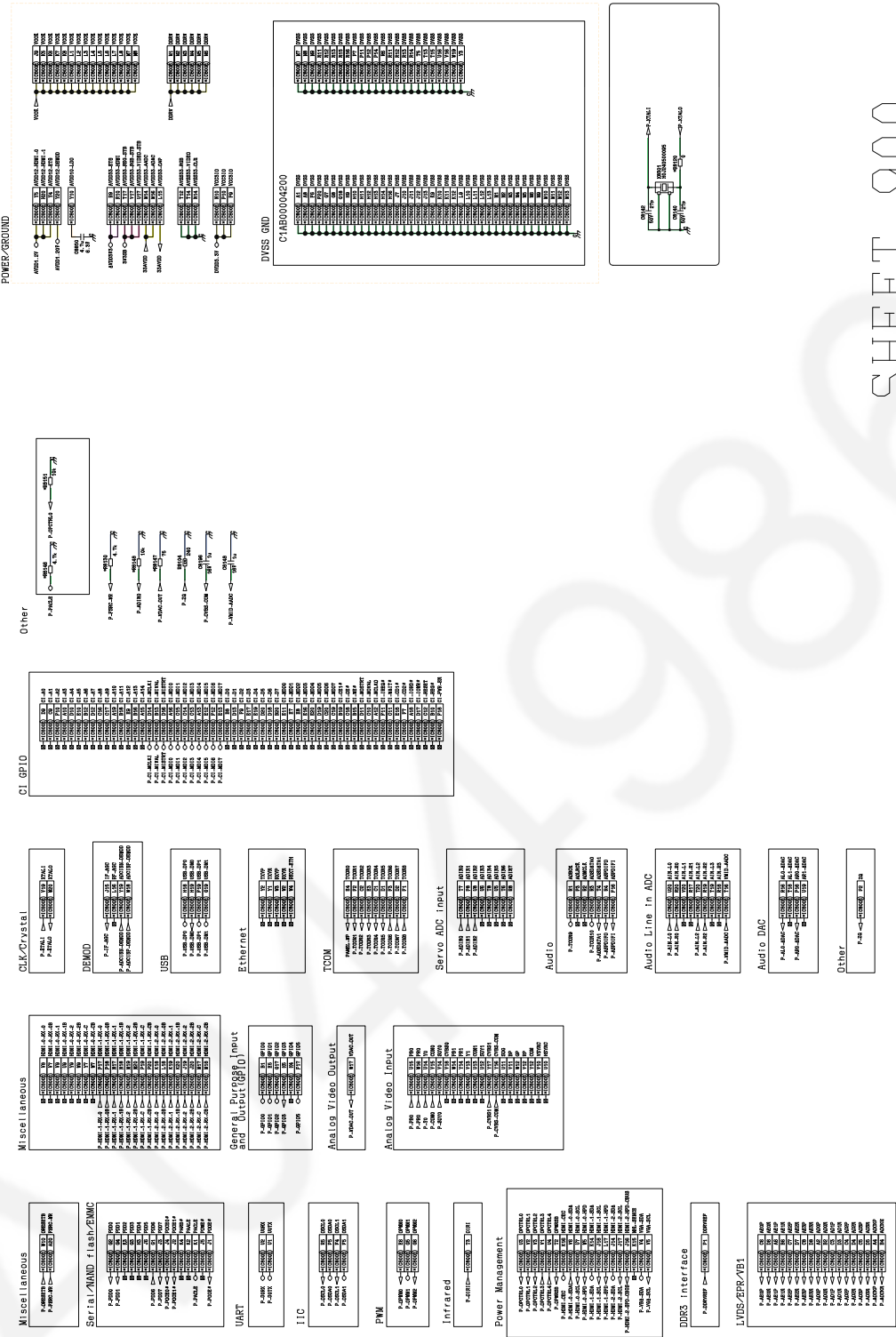
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TUNER



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

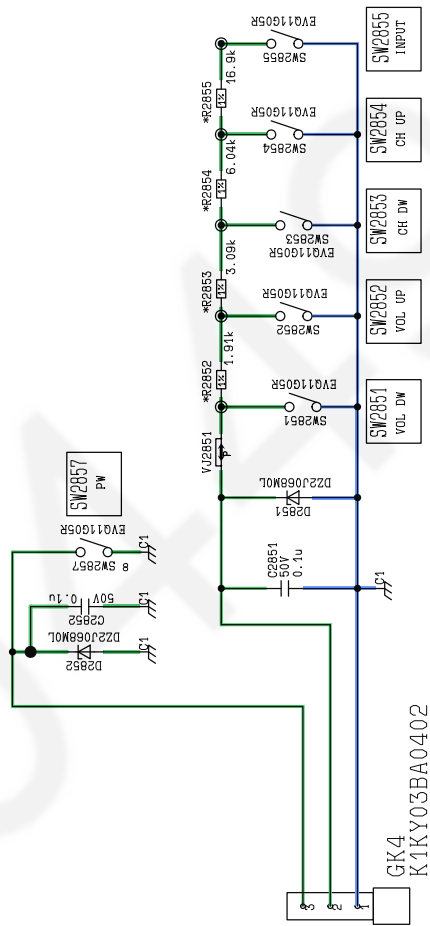


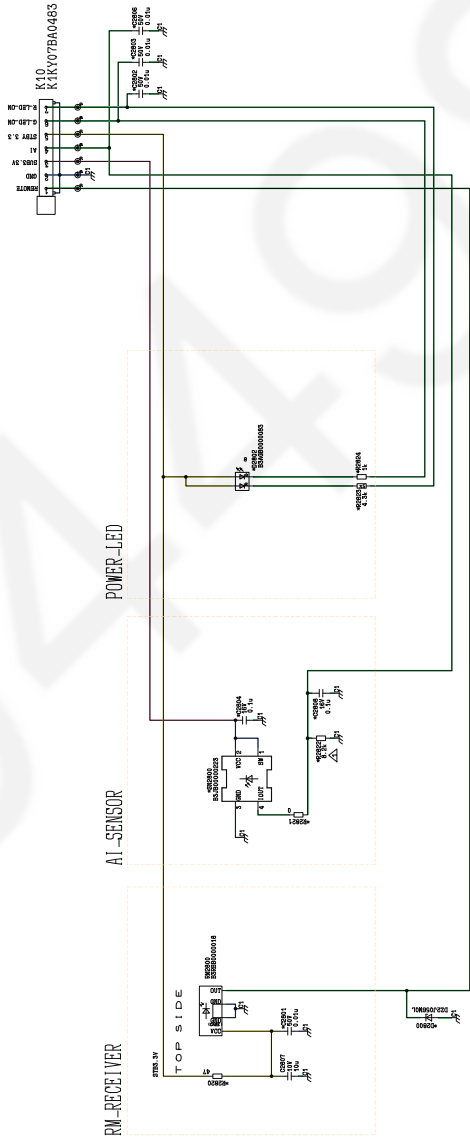
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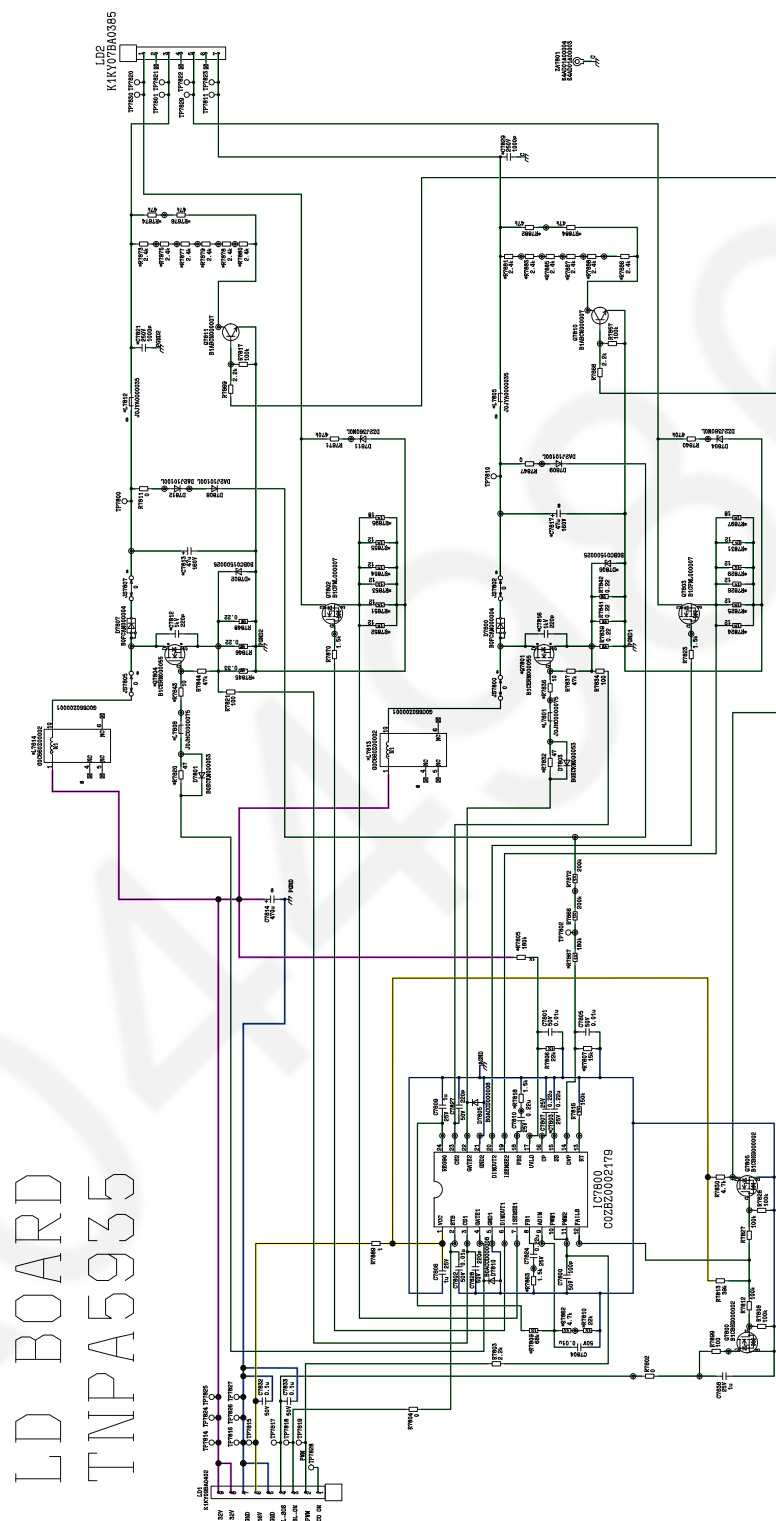
SHEET 900
POWER MT556X

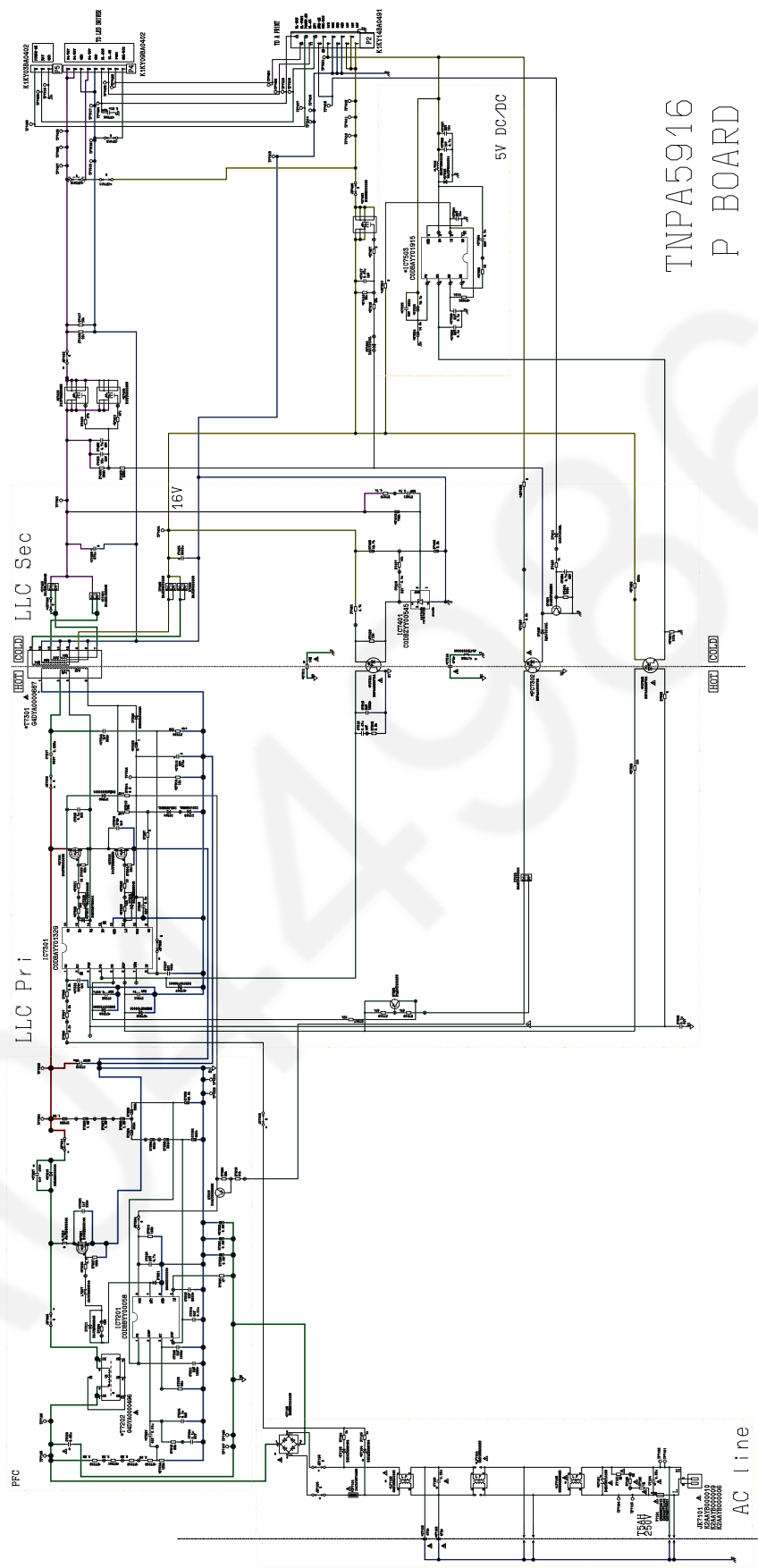
GK BOARD
TNP A5917AA
CRNo. : 2850~2879





K BOARD
TNPA6010AA

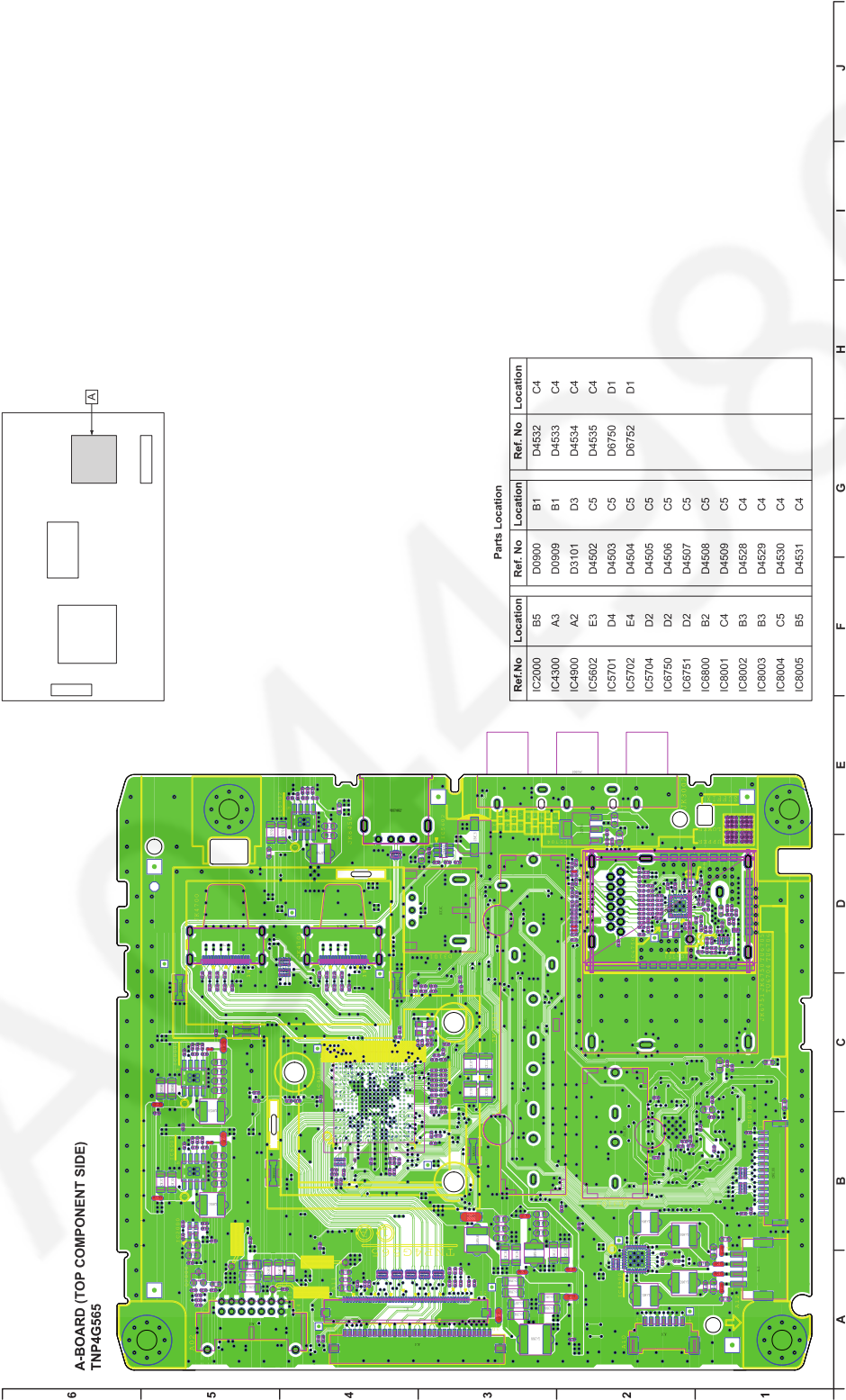


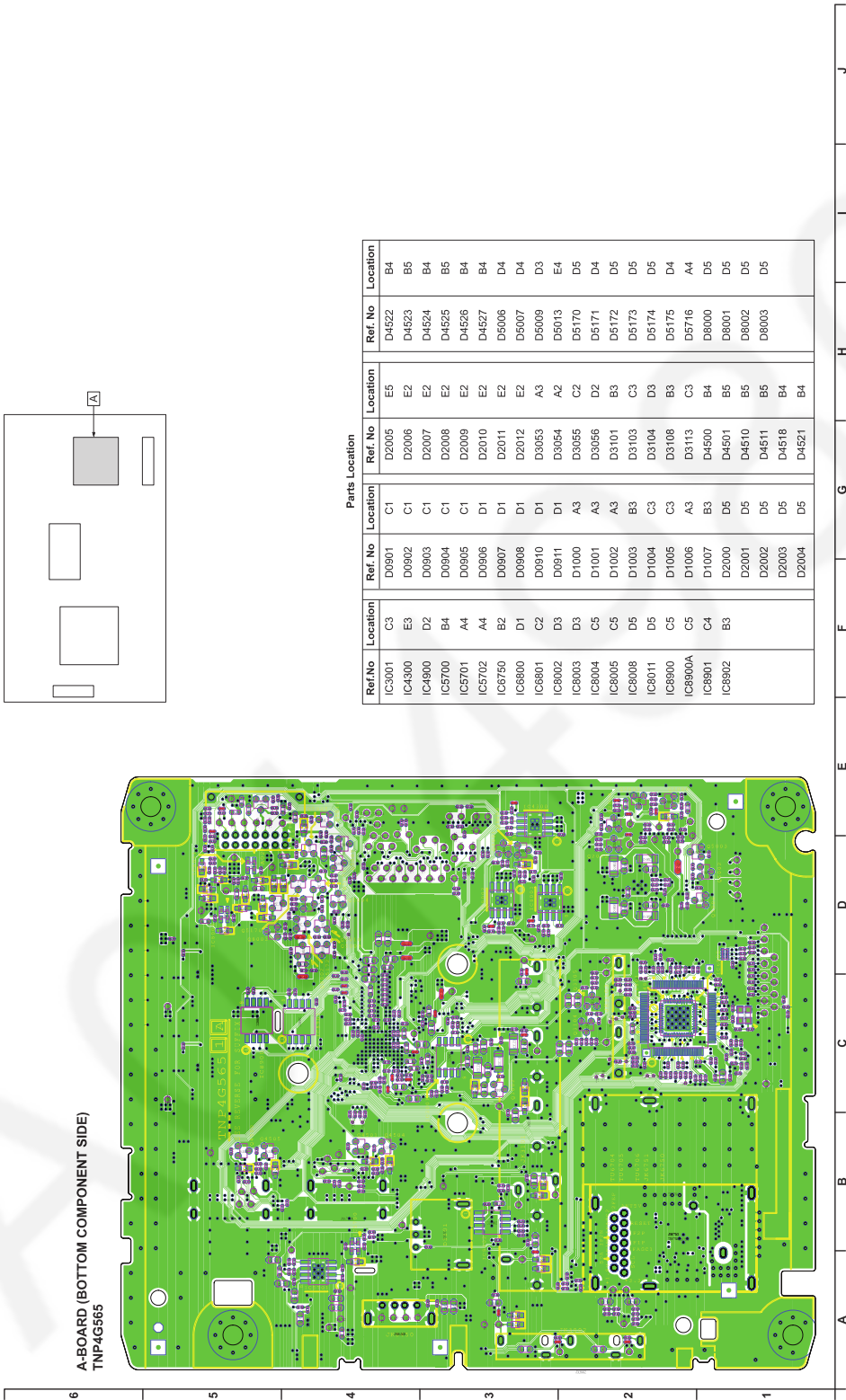


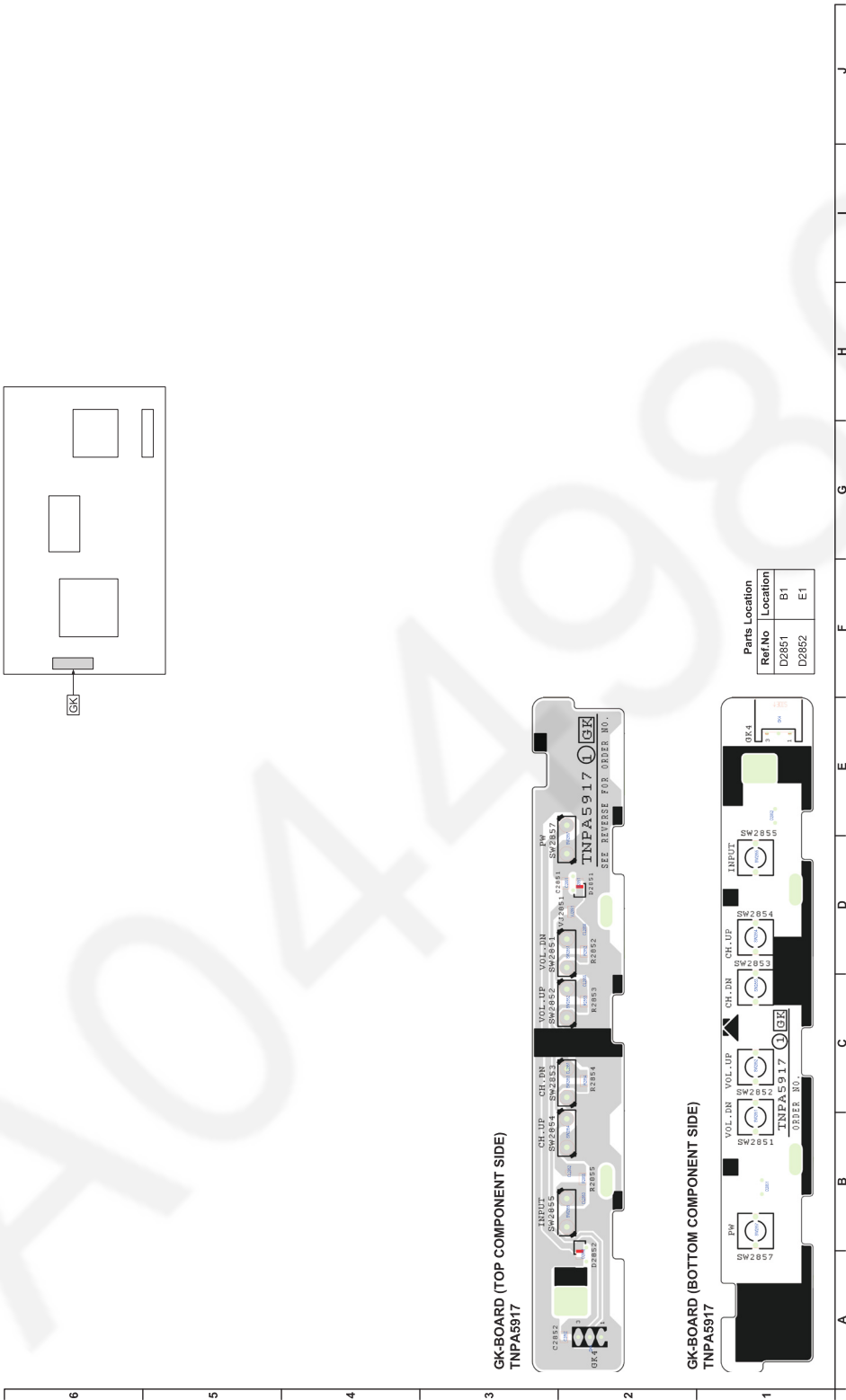
TNPA5916
P BOARD

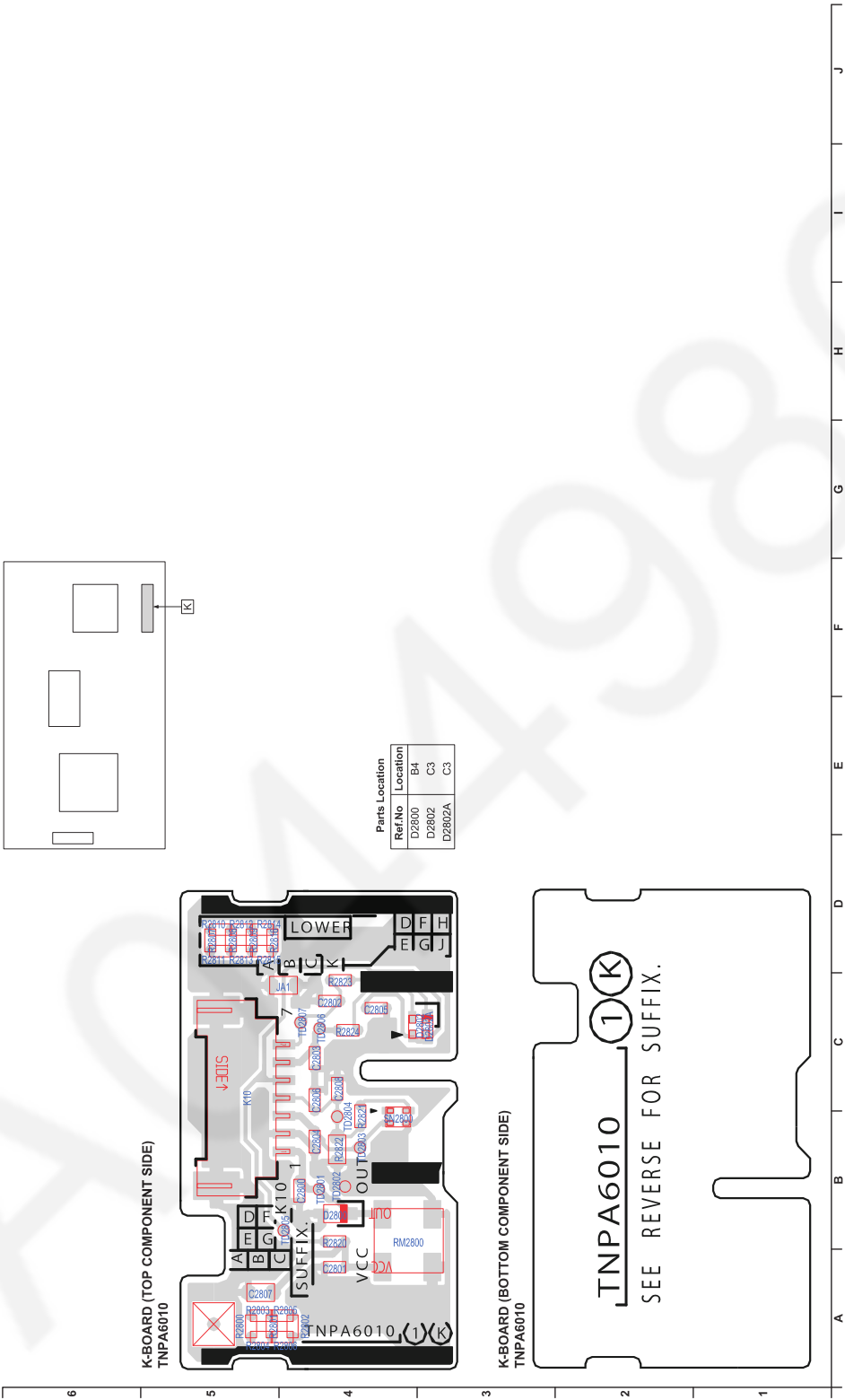
12 Printed Circuit Board

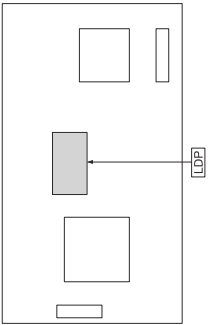
Model No. : TH-43D410K TH-43D410S A-Board (Top Component Side)



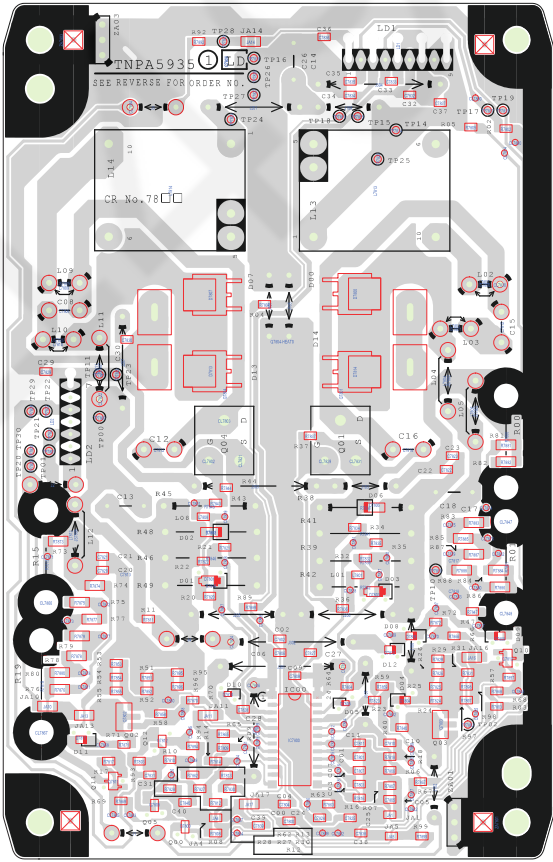








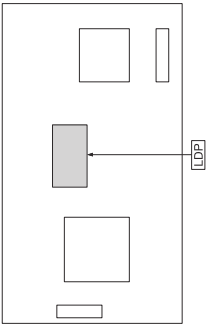
LDP-BOARD (TOP COMPONENT SIDE)
TNPA5935



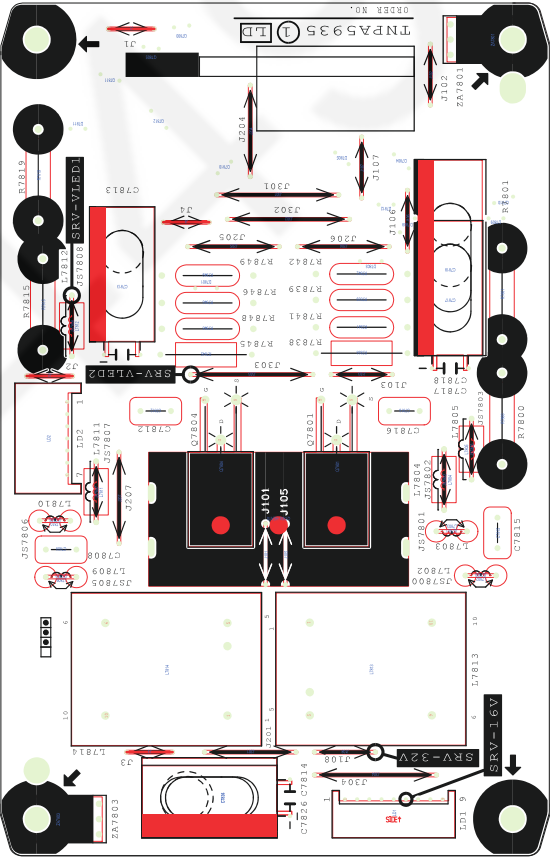
Parts Location	
Ref. No	Location
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D7800	D2
D7801	B3
D7802	C3
D7803	B2
D7804	B2
D7805	B2
D7806	C2
D7807	D3
D7808	B2
D7809	B1
D7810	B3
D7811	A4
D7812	B2
D7813	D3
D7814	D2

A B C D E F G H J

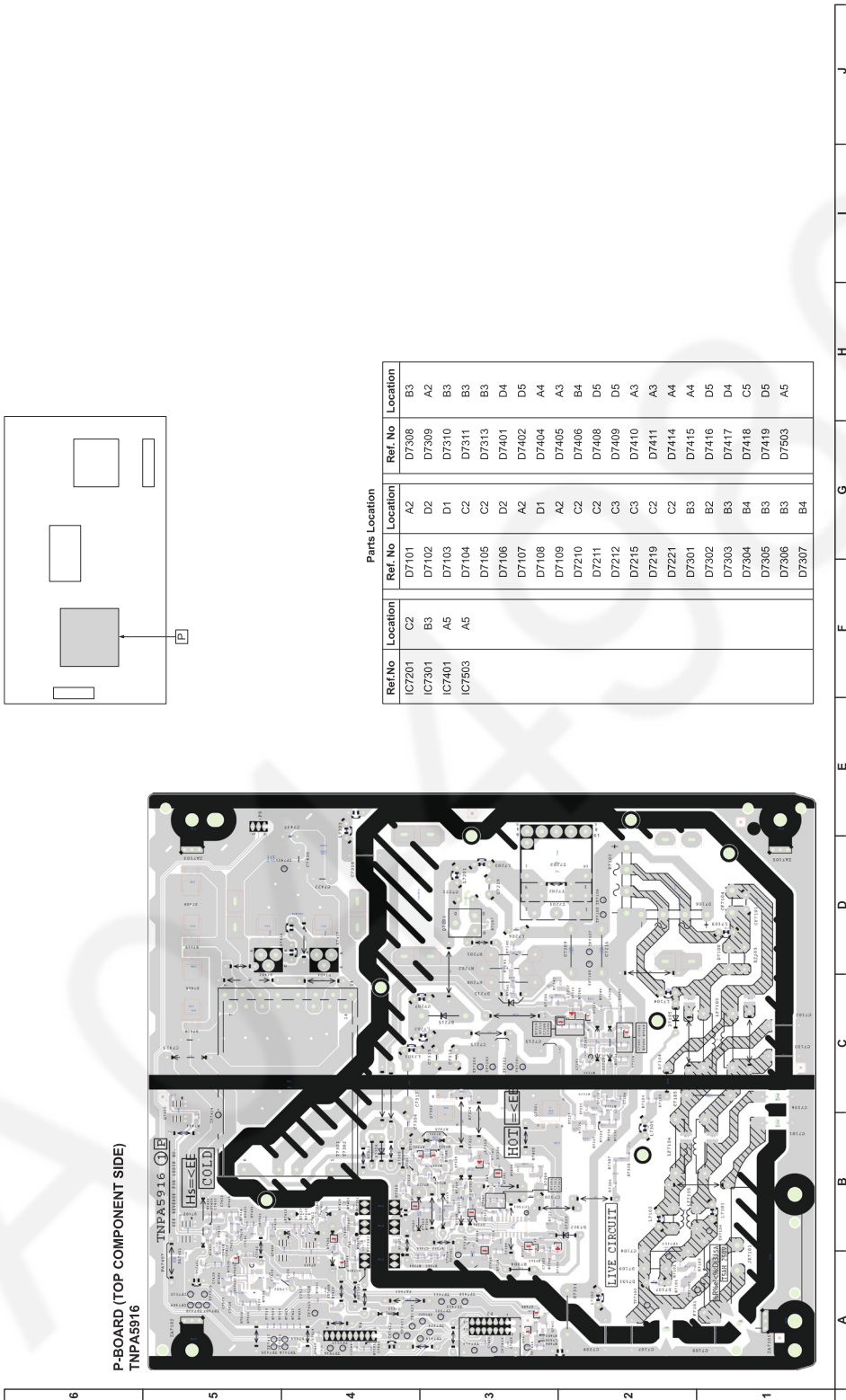
6 5 4 3 2 1

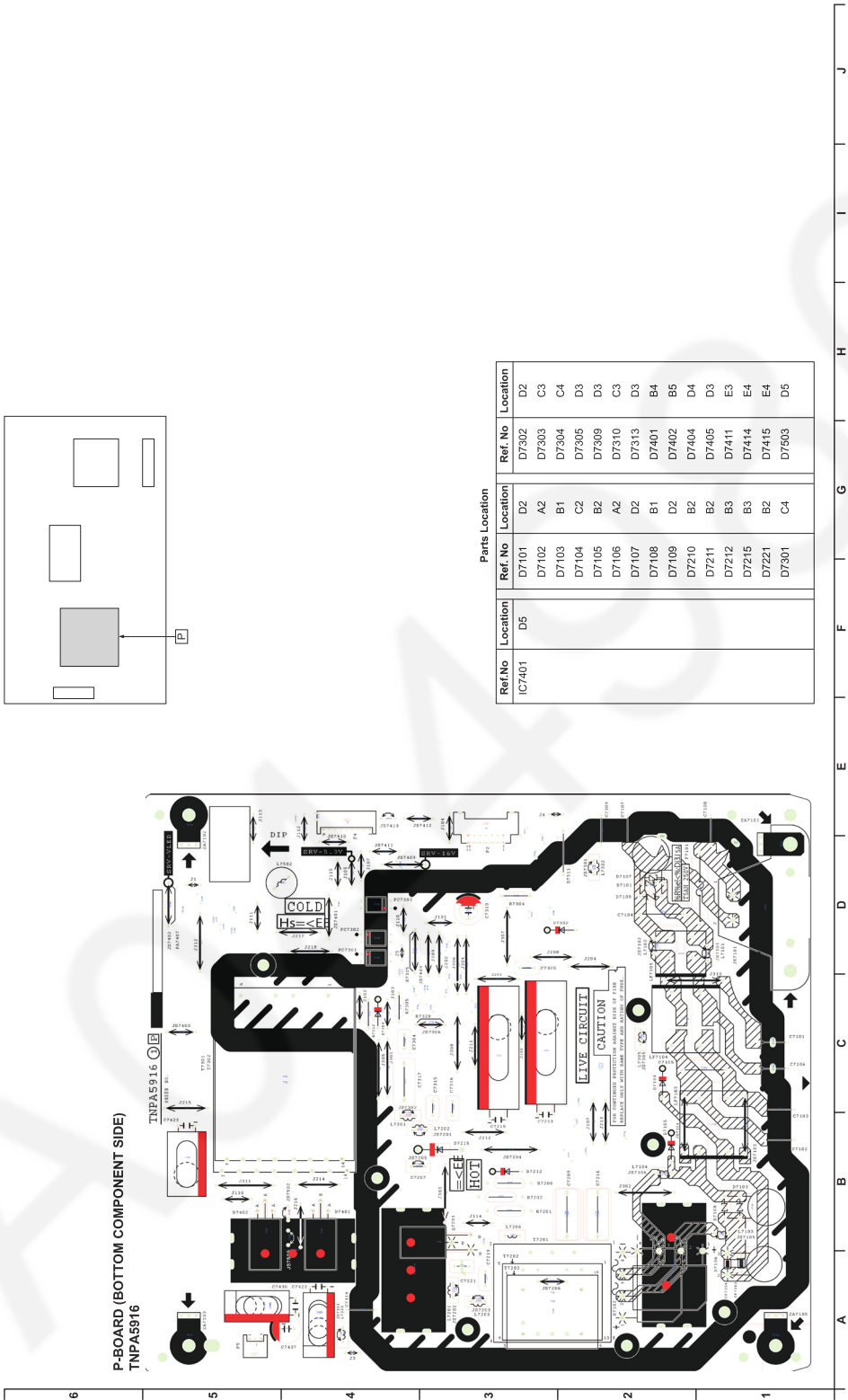


LDP-BOARD (BOTTOM COMPONENT SIDE)
TNPA5935



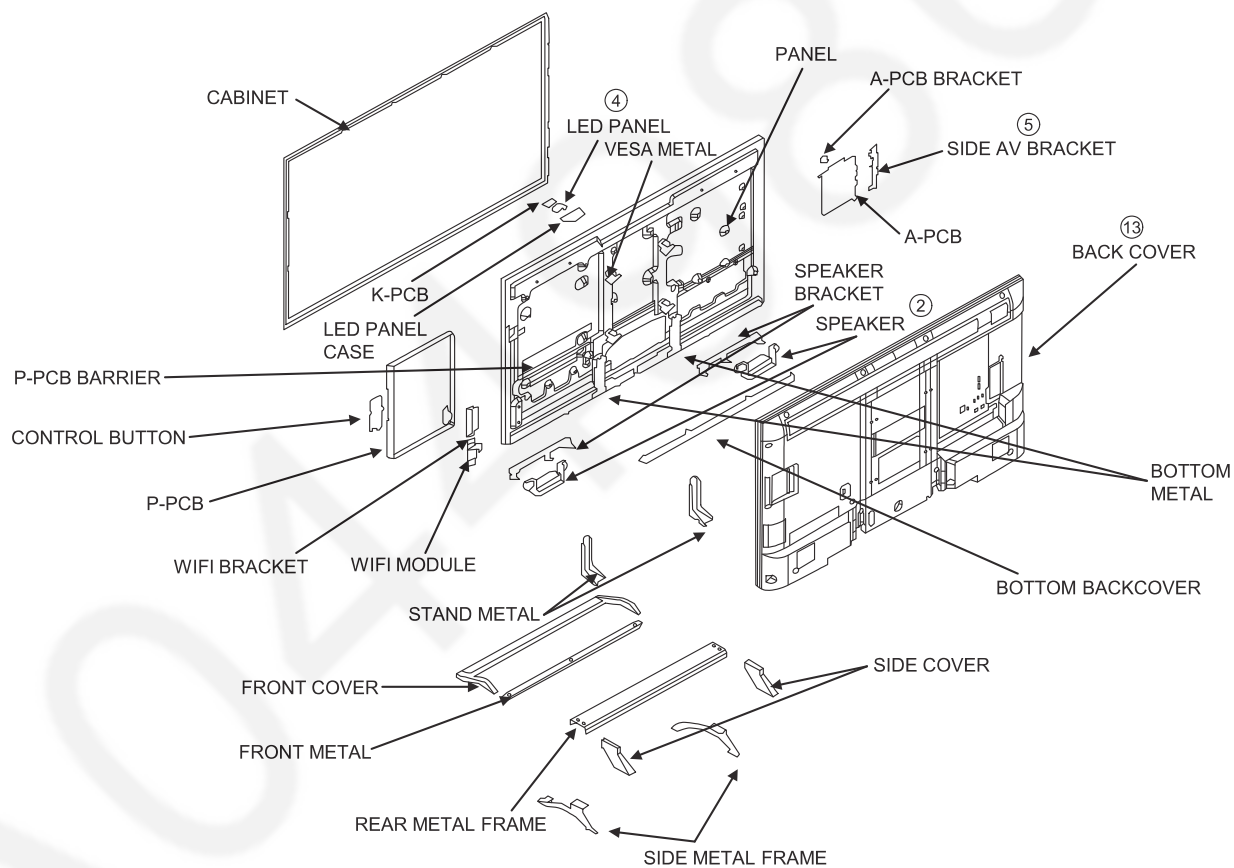
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D7803	D2
D7804	E2
D7805	E2
D7808	E2
D7809	E1
D7810	E3
D7811	E4
D7812	E2





13 Exploded View and Replacement Parts List

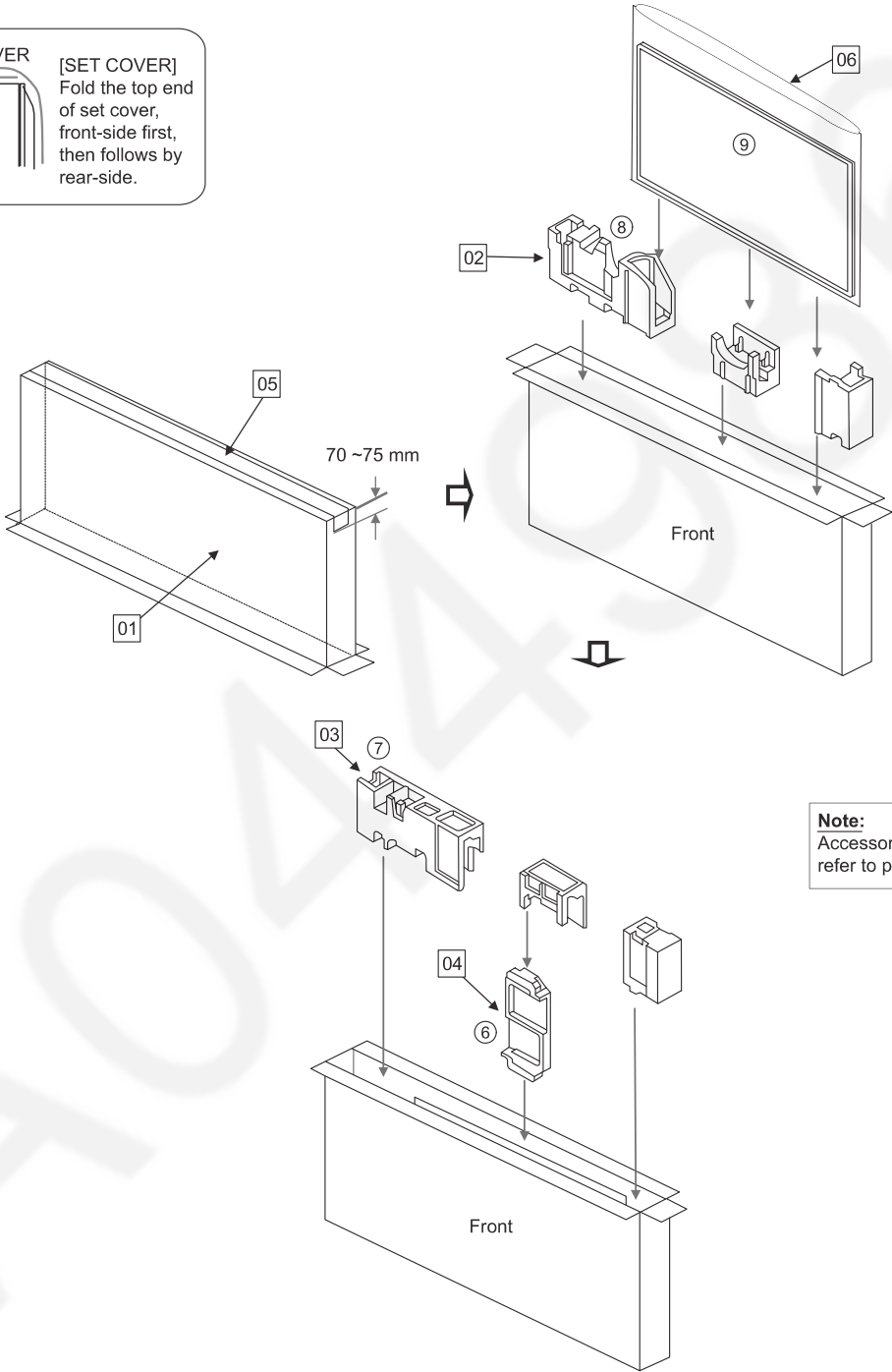
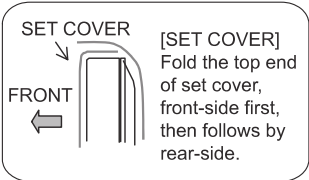
Model No. : TH-43D410K TH-43D410S Parts Location



Model No. : TH-43D410K TH-43D410S Packing Exploded View 1

- 1. Tapping bottom flap carton.
- 2. Fix bottom cushion into packing case.
- 3. Pack tv set with set cover then insert into packing case
- 4. Fix all tv accessories and packed pedestal ass'y to cushions (refer page 23).
- 5. Fix center and top cushion.

No.	Item	Description	Qty	UOM
01	TPC4GA41304	CARTON	1	PC
02	TPD4GA07741	CUSHION_BOTTOM	1	PC
03	TPD4GA07731	CUSHION_TOP	1	PC
04	TPD4GA05131	CUSHION_FRONT	1	PC
05	T5EJ28720	PP_TAPE (BTM1.56)	1.56	MT
06	TPE4GH073	SET_BAG	1	PC
	TPE4GH015-1			



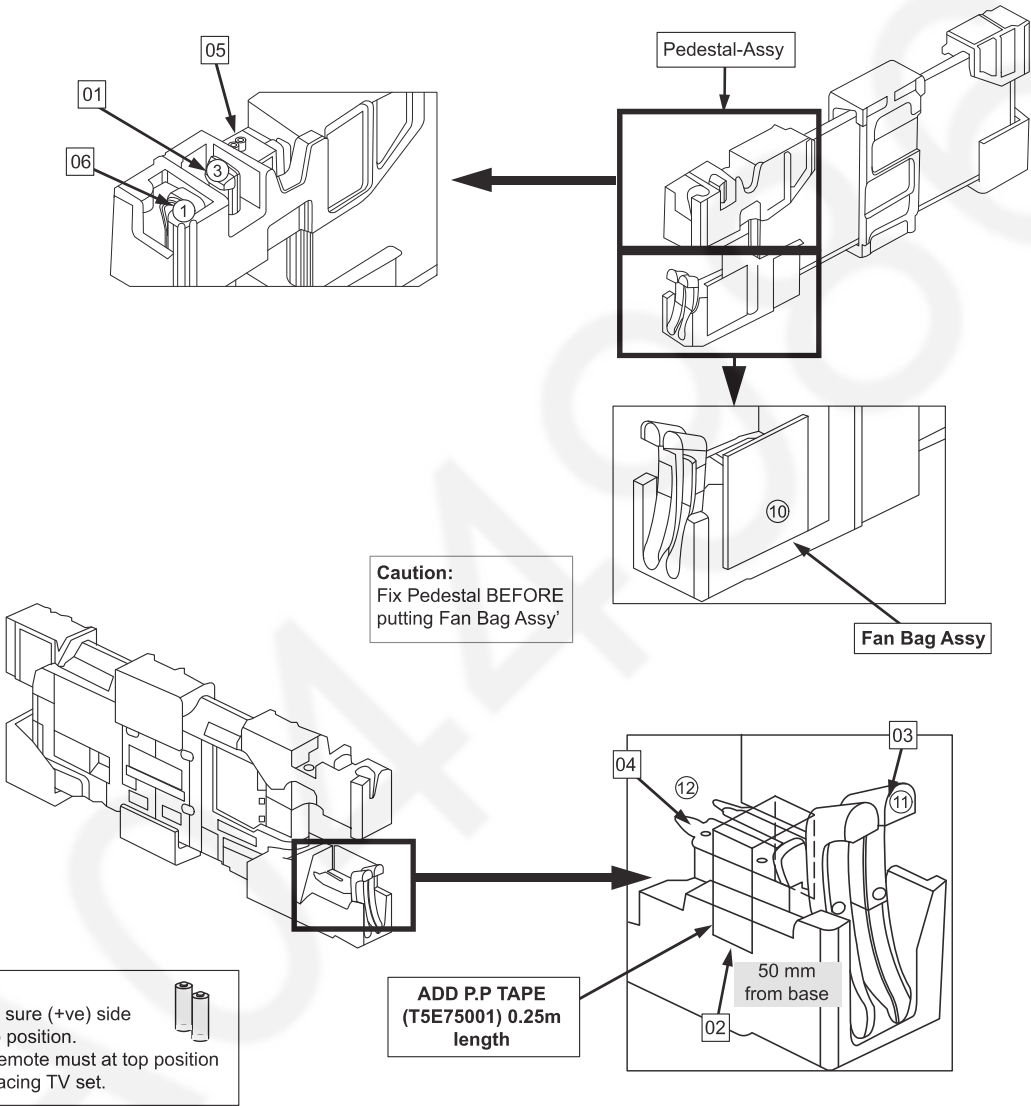
Note:
Accessories fitting
refer to page 60

Model No. : TH-43D410K TH-43D410S Packing Exploded View 2

Locate all accessories follow accordingly.

No.	Item	Description	Qty	UOM
01	N2QAYB000976	REMOTE_TRANSMITTER	1	PC
02	T5E75001	PP TAPE	0.25	MT
03	TBL4GX00321	PEDESTAL ASSY L	1	PC
	TBL4GX00291			
04	TBL4GX00331	PEDESTAL ASSY R	1	PC
	TBL4GX00301			
05	R6UWC/2SKDM	BATTERY	1	PC
	R6UWC/2SKD			
06	K2CQ2YY00122	AC_CORD	1	PC

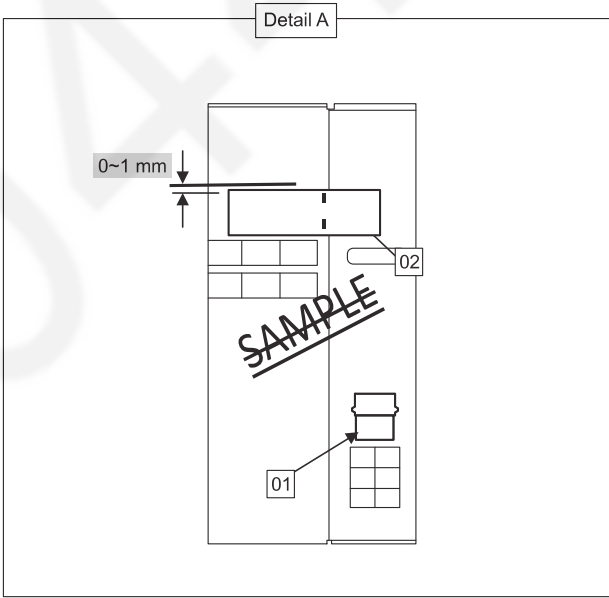
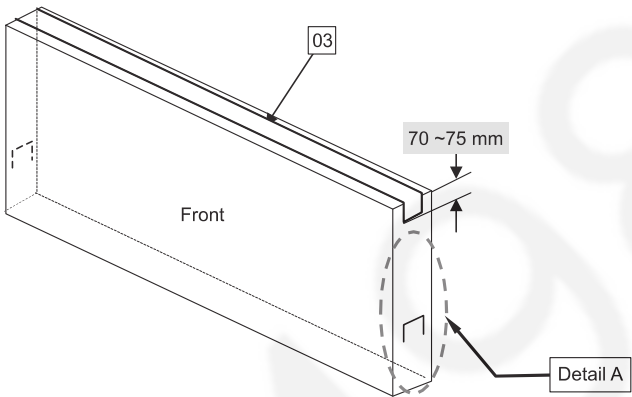
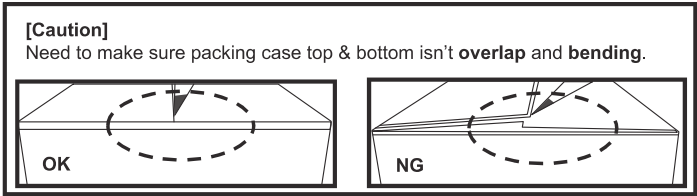
[Caution]
Make sure (+ve) side
at top position



Model No. : TH-43D410K TH-43D410S Packing Exploded View 3

- 1. Tapping top flap packing case.
- 2. Paste label (rub evenly at least twice).

No.	Item	Description	Qty	UOM
01	TXFQD01WXUK	LABEL_COMBINATION	1	PC
	TXFQD01UWUS			
02	TQF4GK534 TQF4GK548	CARTON_LABEL	1	PC
03	T5EJ28720	PP_TAPE (TOP1.56)	1.56	MT



Model No. : TH-43D410K TH-43D410S Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
CAPACITOR						
		C2008	FlG1E103A144	C 0.01UF, 25V		
		C2014	FlH1E104A161	C 0.1UF, 25V		
		C2015	FlK1V106A010	C 10UF, 35V		
		C2016	FlG1C104A146	C 0.1UF, 16V		
		C2017	FlG1C103A173	C 0.01UF, 16V		
		C2023	FlG1H102A830	C 1000PF, 50V		
		C2024	FlG1H102A830	C 1000PF, 50V		
		C2025	FlG1H102A830	C 1000PF, 50V		
		C2026	FlG1H102A830	C 1000PF, 50V		
		C2027	FlG1H102A830	C 1000PF, 50V		
		C2028	FlG1H101A948	C 100PF, 50V		
		C2801	FlH1H103B047	C 0.01UF, 50V		
		C2802	FlH1H103B047	C 0.01UF, 50V		
		C2803	FlH1H103B047	C 0.01UF, 50V		
		C2804	FlH1C104A178	C 0.1UF, 16V		
		C2806	FlH1H103B047	C 0.01UF, 50V		
		C2807	FlJ1A106A043	C 10UF, 10V		
		C2808	FlH1C104A178	C 0.1UF, 16V		
		C2851	FlJ1H104A902	C 0.1UF, 50V		
		C2852	FlJ1H104A902	C 0.1UF, 50V		
		C3093	FlG1A473A079	C 0.047UF, 10V		
		C3095	FlG1A473A079	C 0.047UF, 10V		
		C3097	FlG1A473A079	C 0.047UF, 10V		
		C3108	FlG1H100A948	C 10PF, 50V		
		C3109	FlG1H100A948	C 10PF, 50V		
		C3110	FlG1H100A948	C 10PF, 50V		
		C3169	FlJ1A106A043	C 10UF, 10V		
		C3170	FlJ1A106A043	C 10UF, 10V		
		C3173	FlG1H152A946	C 10PF, 50V		
		C3174	FlG1A473A079	C 0.047UF, 10V		
		C4010	FlH1H103B047	C 0.01UF, 50V		
		C4011	FlH1H103B047	C 0.01UF, 50V		
		C4012	FlJ1C475A225	C 4.7UF, 16V		
		C4300	FlK1V106A010	C 10UF, 35V		
		C4302	FlG1C104A146	C 0.1UF, 16V		
		C4303	FlG1C223A173	C 0.022UF, 16V		
		C4305	FlG1E332A172	C 3300PF, 25V		
		C4306	FlK1V106A010	C 10UF, 35V		
		C4307	FlK1V106A010	C 10UF, 35V		
		C4308	FlK1V106A010	C 10UF, 35V		
		C4502	FlG1C104A146	C 0.1UF, 16V		
		C4503	FlG1H101A948	C 100PF, 50V		
		C4900	FlK1V106A010	C 10UF, 35V		
		C4901	FlK1V106A010	C 10UF, 35V		
		C4902	FlJ1E105A287	C 1UF, 25V		
		C4903	FlK1V106A010	C 10UF, 35V		
		C4904	FlJ1E105A287	C 1UF, 25V		
		C4905	FlH1C105A167	C 1UF, 16V		
		C4906	FlK1V106A010	C 10UF, 35V		
		C4907	FlJ1E105A287	C 1UF, 25V		
		C4908	FlK1V106A010	C 10UF, 35V		
		C4909	FlJ1E105A287	C 1UF, 25V		
		C4919	FlJ1E224A272	C 0.22UF, 25V		
		C4920	FlJ1E224A272	C 0.22UF, 25V		
		C4921	FlH1E104A161	C 0.1UF, 25V		
		C4922	FlH1E104A161	C 0.1UF, 25V		
		C4923	FlH1E104A161	C 0.1UF, 25V		
		C4924	FlH1E104A161	C 0.1UF, 25V		
		C5028	FlG1C104A146	C 0.1UF, 16V		
		C5170	FlG1A224A069	C 220000PF, 10V		
		C5614	FlJ1A106A043	C 10UF, 10V		

Model No. : TH-43D410K TH-43D410S Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C5615	FLJ1A106A043	C 10UF, 10V		
		C5616	FLG1C104A146	C 0.1UF, 16V		
		C5624	FLJ1A106A043	C 10UF, 10V		
		C5625	FLG1C104A146	C 0.1UF, 16V		
		C5703	FLG1A105A047	C 1UF, 10V		
		C5704	FLG1A105A047	C 1UF, 10V		
		C5717	FLJ1A106A043	C 10UF, 10V		
		C5718	FLJ1A106A043	C 10UF, 10V		
		C6704	FLJ1A106A043	C 10UF, 10V		
		C6705	FLG1C473A146	C 0.047UF, 16V		
		C6707	FLG1C104A146	C 0.1UF, 16V		
		C6708	FLJ1A106A043	C 10UF, 10V		
		C6710	FLG1C104A146	C 0.1UF, 16V		
		C6712	FLG1A105A047	C 1UF, 10V		
		C6713	FLG1A105A047	C 1UF, 10V		
		C6720	FLG1H220A834	C 22PF, 50V		
		C6721	FLG1H220A834	C 22PF, 50V		
		C6722	FLG1C104A146	C 0.1UF, 16V		
		C6723	FLG1H220A834	C 22PF, 50V		
		C6724	FLG1H220A834	C 22PF, 50V		
		C6726	FLG1H220A834	C 22PF, 50V		
		C6727	FLG1H220A834	C 22PF, 50V		
		C6728	FLG1H102A948	C 1000PF, 50V		
		C6732	FLG1C473A146	C 0.047UF, 16V		
		C6736	FLG1H101A948	C 100PF, 50V		
		C6737	FLG1H101A948	C 100PF, 50V		
		C6753	FLG1H5R0A947	C 5PF, 50V		
		C6754	FLG1H5R0A947	C 5PF, 50V		
		C6768	FLG1H102A830	C 1000PF, 50V		
		C6769	FLG1E103A144	C 0.01UF, 25V		
		C6770	FLG1E103A144	C 0.01UF, 25V		
		C6771	FLG1E103A144	C 0.01UF, 25V		
		C6772	FLG1E103A144	C 0.01UF, 25V		
		C6773	FLG1H102A830	C 1000PF, 50V		
		C6774	FLG1C104A146	C 0.1UF, 16V		
		C6775	FLG1C104A146	C 0.1UF, 16V		
		C6777	FLG0J1050007	C 1.0UF, 6.3V		
		C6781	FLG1H331A946	C 330PF, 50V		
		C6782	FLG1H121A834	C 120PF, 50V		
		C6783	FLG1H121A834	C 120PF, 50V		
		C6788	FLG1H101A948	C 100PF, 50V		
		C6789	FLG1H181A834	C 180PF, 50V		
		C6790	FLG1H181A834	C 180PF, 50V		
		C6791	FLG1H102A948	C 1000PF, 50V		
		C6793	FLG1H102A948	C 1000PF, 50V		
		C6794	FLG1C104A146	C 0.1UF, 16V		
		C6795	FLG1C104A146	C 0.1UF, 16V		
		C6797	FLG1H102A830	C 1000PF, 50V		
		C6798	FLG1H102A830	C 1000PF, 50V		
		C6799	FLH1H181B052	C 180PF, 50V		
		C6804	FLG1C104A146	C 0.1UF, 16V		
		C6805	FLJ1A106A043	C 10UF, 10V		
		C6806	FLJ1A106A043	C 10UF, 10V		
		C6809	FLG1C104A146	C 0.1UF, 16V		
		C6820	FLG1C104A146	C 0.1UF, 16V		
		C6822	FLG1C104A146	C 0.1UF, 16V		
		C6830	FLG1C104A146	C 0.1UF, 16V		
		C6832	FLJ1A106A043	C 10UF, 10V		
		C6838	FLG1C104A146	C 0.1UF, 16V		
		C6840	FLG1C104A146	C 0.1UF, 16V		
		C6844	FLG1C104A146	C 0.1UF, 16V		
		C6847	FLG1H8R0A833	C 8PF, 50V		

Model No. : TH-43D410K TH-43D410S Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C6848	FI61H8R0A833	C 8PF, 50V		
		C6864	FI61C104A146	C 0.1UF, 16V		
		C6872	FI61C104A146	C 0.1UF, 16V		
		C6873	FI61C104A146	C 0.1UF, 16V		
		C7102	FIAAF471A019	C 470PF, 240V		
		C7103	FIAAF471A019	C 470PF, 240V		
		C7104	FOCAF2240010	C 0.22UF, 250V		
		C7105	FOCAF2240010	C 0.22UF, 250V		
		C7201	FIH1H102B052	C 1000PF, 50V		
		C7202	FIJ1H222A911	C 2200PF, 50V		
		C7203	FIH1H104B047	C 0.1UF, 50V		
		C7204	FIJ1H104A902	C 0.1UF, 50V		
		C7205	FIJ1H102A909	C 1000PF, 50V		
		C7206	FIJ1E475A257	C 4.7UF, 25V		
		C7207	FI3A221A078	C 220PF, 1KV		
		C7209	ECWFD2W824KC	C 0.82UF 450V		
		C7213	F2A2W6500001	C 65UF, 450V		
		C7214	FIJ1H103A900	C 0.01UF, 50V		
		C7220	FIJ1H103A900	C 0.01UF, 50V		
		C7221	FI3A221A078	C 220PF, 1KV		For TH-43D410K Only
		C7302	FIJ1H473A900	C 0.047UF, 50V		
		C7303	FIJ1H104A902	C 0.1UF, 50V		
		C7304	FI3A221A079	C 220PF, 1KV		
		C7305	FIJ1H104A902	C 0.1UF, 50V		
		C7306	FIJ1H104A902	C 0.1UF, 50V		
		C7307	FIJ1H101A906	C 100PF, 50V		
		C7310	F2A1E4710124	C 470PF, 25V		
		C7311	FIJ1H105A919	C 1UF, 50V		
		C7312	FIH1C474A178	C 0.47UF, 16V		
		C7313	FIJ1H102A909	C 1000PF, 50V		
		C7316	FI3A471A098	C 470PF, 1KV		
		C7317	ECWH8223HAC	C 0.022UF, Z, 800V		
		C7318	FIAAF471A019	C 470PF, 240V		
		C7320	FI3A102A079	C 1000PF, 1KV		
		C7417	FIJ1C474A238	C 0.47UF, 16V		
		C7418	FIH1H104B047	C 0.1UF, 50V		
		C7421	FIH1H104B047	C 0.1UF, 50V		
		C7422	F2AZZ4710003	C 470UF, 240V		
		C7423	F2AZZ2220001	C 2200UF, 240V		
		C7432	FIJ1C475A225	C 4.7UF, 16V		
		C7433	FIK1V106A010	C 10UF, 35V		
		C7434	FIJ1C475A225	C 4.7UF, 16V		
		C7524	FIJ1H104A902	C 0.1UF, 50V		
		C7525	FIJ1H221A906	C 220PF, 50V		
		C7526	FIJ1C475A225	C 4.7UF, 16V		
		C7527	FIK1E106A167	C 10UF, 25V		
		C7529	FIJ1H104A902	C 0.1UF, 50V		
		C7530	FIJ1H104A902	C 0.1UF, 50V		
		C7541	FIK1E106A167	C 10UF, 25V		
		C7543	FIJ1H103A900	C 0.01UF, 50V		
		C7544	FIJ1H103A900	C 0.01UF, 50V		
		C7800	FIJ1H101A906	C 100PF, 50V		
		C7801	FIJ1H103A900	C 0.01UF, 50V		
		C7802	FIJ1H103A900	C 0.01UF, 50V		
		C7803	FIJ1E224A272	C 0.22UF, 25V		
		C7804	FIJ1H103A900	C 0.01UF, 50V		
		C7805	FIJ1H103A900	C 0.01UF, 50V		
		C7806	FIJ1E105A287	C 1UF, 25V		
		C7807	FIJ1E224A272	C 0.22UF, 25V		
		C7809	FIJ1E105A287	C 1UF, 25V		
		C7810	FIJ1E224A272	C 0.22UF, 25V		
		C7812	FI3A221A060	C 220PF, 1KV		

Model No. : TH-43D410K TH-43D410S Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C7813	F2A2C470A240	C 47UF, 160V		
		C7814	F2AZZ4710003	C 470UF, 240V		
		C7816	F1A3A221A060	C 220PF, 1KV		
		C7817	F2A2C470A240	C 47UF, 160V		
		C7821	FlJ2E1020002	C 1000PF, 250V		
		C7824	FlJ1E224A272	C 0.22UF, 25V		
		C7827	FlJ1H221A906	C 220PF, 50V		
		C7828	FlJ1H221A906	C 220PF, 50V		
		C7829	FlJ2E1020002	C 1000PF, 250V		
		C7832	FlJ1H104A902	C 0.1UF, 50V		
		C7833	FlJ1H104A902	C 0.1UF, 50V		
		C7838	FlJ1E105A287	C 1UF, 25V		
		C8095	F1K1V106A010	C 10UF, 35V		
		C8097	FlG1C104A146	C 0.1UF, 16V		
		C8098	FlG1C103A173	C 0.01UF, 16V		
		C8100	FlG1E332A172	C 3300PF, 25V		
		C8101	FlJ1A106A043	C 10UF, 10V		
		C8102	FlJ1A106A043	C 10UF, 10V		
		C8103	FlH0J4750004	C 4.7UF, 6.3V		
		C8104	FlJ1A106A043	C 10UF, 10V		
		C8105	F1K1V106A010	C 10UF, 35V		
		C8106	FlJ1A106A043	C 10UF, 10V		
		C8108	FlG1C104A146	C 0.1UF, 16V		
		C8109	FlG1C103A173	C 0.01UF, 16V		
		C8111	FlG1E332A172	C 3300PF, 25V		
		C8112	FlJ0J2260004	C 22UF, 6.3V		
		C8113	FlG1C103A173	C 0.01UF, 16V		
		C8115	FlH1C105A167	C 1UF, 16V		
		C8116	FlJ0J2260004	C 22UF, 6.3V		
		C8117	FlG1C104A146	C 0.1UF, 16V		
		C8118	FlJ0J2260004	C 22UF, 6.3V		
		C8121	F1K1V106A010	C 10UF, 35V		
		C8123	FlG1C104A146	C 0.1UF, 16V		
		C8124	FlG1C103A173	C 0.01UF, 16V		
		C8126	FlG1E332A172	C 3300PF, 25V		
		C8127	FlH1C105A167	C 1UF, 16V		
		C8128	FlG1C104A146	C 0.1UF, 16V		
		C8129	FlJ0G2260001	C 22UF, 4V		
		C8130	FlJ0G2260001	C 22UF, 4V		
		C8134	FlG1E472A172	C 4700PF, 25V		
		C8135	F1K1V106A010	C 10UF, 35V		
		C8137	FlG1C104A146	C 0.1UF, 16V		
		C8138	FlG1C103A173	C 0.01UF, 16V		
		C8140	FlG1H270A834	C 27PF, 50V		
		C8141	FlJ0G2260001	C 22UF, 4V		
		C8142	FlG1H270A834	C 27PF, 50V		
		C8143	FlJ0G2260001	C 22UF, 4V		
		C8146	FlG1A105A047	C 1UF, 10V		
		C8147	FlG1A105A047	C 1UF, 10V		
		C8148	FlH1C105A167	C 1UF, 16V		
		C8151	FlH1H103B047	C 0.01UF, 50V		
		C8152	FlG1A105A047	C 1UF, 10V		
		C8153	FlG1A105A047	C 1UF, 10V		
		C8162	FlG1C104A146	C 0.1UF, 16V		
		C8163	FlG1C103A173	C 0.01UF, 16V		
		C8164	FlJ1A106A043	C 10UF, 10V		
		C8165	FlG1C104A146	C 0.1UF, 16V		
		C8166	FlG1C104A146	C 0.1UF, 16V		
		C8167	FlG1C104A146	C 0.1UF, 16V		
		C8168	FlH1C105A167	C 1UF, 16V		
		C8169	FlG1C104A146	C 0.1UF, 16V		
		C8170	FlG1C104A146	C 0.1UF, 16V		

Model No. : TH-43D410K TH-43D410S Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8171	FI61C104A146	C 0.1UF, 16V		
		C8172	FI61A105A047	C 1UF, 10V		
		C8173	FI61C104A146	C 0.1UF, 16V		
		C8174	FIH0J4750004	C 4.7UF, 6.3V		
		C8176	FI61A105A047	C 1UF, 10V		
		C8177	FI61C104A146	C 0.1UF, 16V		
		C8178	FI61C104A146	C 0.1UF, 16V		
		C8179	FI61C104A146	C 0.1UF, 16V		
		C8180	FIJ1A106A043	C 10UF, 10V		
		C8184	FIJ0G2260001	C 22UF, 4V		
		C8186	FI61C104A146	C 0.1UF, 16V		
		C8187	FI61C104A146	C 0.1UF, 16V		
		C8188	FI61C104A146	C 0.1UF, 16V		
		C8189	FI61A105A047	C 1UF, 10V		
		C8191	FI61C104A146	C 0.1UF, 16V		
		C8192	FI61C104A146	C 0.1UF, 16V		
		C8193	FI61A105A047	C 1UF, 10V		
		C8196	FIH1C105A167	C 1UF, 16V		
		C8850	FIH0J4750004	C 4.7UF, 6.3V		
		C8900	FI61C104A146	C 0.1UF, 16V		
		C8901	FI61C104A146	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	D4EAY621A168	DIODE		
		D7104	B0EAKR000184	DIODE		
		D7105	B0EAKR000184	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	B0BC02700041	DIODE		
		D7307	B0BC02700041	DIODE		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		D7308	B0BC02700041	DIODE		
		D7309	B0JCMG000043	DIODE		
		D7310	B0JCMG000043	DIODE		
		D7311	B0BC02700041	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	B0BC01500025	DIODE		
		D7803	B0ECKM000053	DIODE		
		D7804	DZ2J360M0L	DIODE		
		D7805	B0ACCD000008	DIODE		
		D7806	B0BC01500025	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	TVR4G334-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	BEAD CORE		
		L6706	J0JYC0000464	BEAD CORE		
		L6761	J0JYC0000464	BEAD CORE		
		L6762	J0JYC0000464	BEAD CORE		
		L6763	G1CR27JA0097	COIL		
		L6765	G1C82NJ00010	COIL		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		L6772	G1CR27JA0097	COIL		
		L6773	G1CR27JA0097	COIL		
		L6774	G1CR27JA0097	COIL		
		L6775	G1CR22JA0097	COIL		
		L6776	G1CR27JA0097	COIL		
		L6777	G1CR22JA0097	COIL		
		L6778	G1CR22JA0097	COIL		
		L6779	G1CR22JA0097	COIL		
		L6800	J0JYC0000464	BEAD CORE		
		L6801	J0JYC0000464	BEAD CORE		
		L6802	J0JYC0000464	BEAD CORE		
		L7201	J0JYB0000044	COIL		
		L7207	J0JYC0000344	COIL		
		L7303	J0JYB0000044	COIL		
		L7502	G0C270MA0049	INDUCTOR		
		L7801	J0JHC0000075	BEAD CORE		
		L7805	J0JYA0000035	BEAD CORE		
		L7808	J0JHC0000075	BEAD CORE		
		L7812	J0JYA0000035	BEAD CORE		
		L7813	G0C660Z00002	CHOKE COIL		
		L7814	G0C660Z00002	CHOKE COIL		
		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	B1CERR000144	TRANSISTOR		
		Q7202	B1ADCE000022	TRANSISTOR		
		Q7301	B1CFRR000039	TRANSISTOR		
		Q7302	B1CFRR000039	TRANSISTOR		
		Q7303	B1ADCE000022	TRANSISTOR		
		Q7401	B1ABCF000231	TRANSISTOR		
		Q7402	B1CFRG000069	TRANSISTOR		
		Q7403	B1CHRE000035	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	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R0903	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R0910	D0GAR00JA039	M 0 OHM, 1/16W		
		R0911	D0GAR00JA039	M 0 OHM, 1/16W		
		R0912	D0GAR00JA039	M 0 OHM, 1/16W		
		R0913	D0GAR00JA039	M 0 OHM, 1/16W		
		R0916	D0GAR00JA039	M 0 OHM, 1/16W		
		R0917	D0GAR00JA039	M 0 OHM, 1/16W		
		R0924	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R0925	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R0926	D0GA473JA039	M 47K OHM, J, 1/16W		
		R0927	D0GA680JA039	M 68 OHM, J, 1/16W		
		R0928	D0GA680JA039	M 68 OHM, J, 1/16W		
		R0929	D0GA102JA039	M 1K OHM, J, 1/16W		
		R0930	D0GA102JA039	M 1K OHM, J, 1/16W		
		R0933	D1H82724A042	M 2.7KOHM, J.1/16W		
		R0938	D0GA680JA039	M 68 OHM, J, 1/16W		
		R0939	D0GA680JA039	M 68 OHM, J, 1/16W		
		R0944	D1H86804A042	M 68 OHM, J, 1/16W		
		R0945	D1H86804A042	M 68 OHM, J, 1/16W		
		R1000	D0GA101JA039	M 100 OHM, J, 1/16W		
		R2011	D0GA102JA039	M 1K OHM, J, 1/16W		
		R2012	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2018	D0GA680JA039	M 68 OHM, J, 1/16W		
		R2027	D0GA103JA039	M 10K OHM, J, 1/16W		
		R2028	D0GA102JA039	M 1K OHM, J, 1/16W		
		R2029	D0GAR00JA039	M 0 OHM, 1/16W		
		R2030	D0GA222JA039	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	D0GA102JA039	M 1K OHM, J, 1/16W		
		R2035	D1BA4702A023	M 47K OHM, F, 1/16W		
		R2045	D0GA183JA039	M 18K OHM, J, 1/16W		
		R2046	D0GB101JA065	M 100 OHM, J, 1/10W		
		R2047	D0GB153JA065	M 15K OHM, J, 1/10W		
		R2049	D0GA103JA039	M 10K OHM, J, 1/16W		
		R2050	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2052	D0GA223JA039	M 22K OHM, J, 1/16W		
		R2053	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2800	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R2811	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, F, 1/8W		
		R2853	D1BD3091A203	M 3.09K OHM, F, 1/8W		
		R2854	D1BD6041A203	M 6.04K OHM, F, 1/8W		
		R2855	D1BD1692A203	M 16.9K OHM, F, 1/8W		
		R3099	D0GA223JA039	M 22K OHM, J, 1/16W		
		R3119	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R3122	D1BD75R0A066	M 75 OHM, F, 1/8W		
		R3124	D1BD75R0A066	M 75 OHM, F, 1/8W		
		R3192	D0GA101JA039	M 100 OHM, J, 1/16W		
		R3193	D0GA101JA039	M 100 OHM, J, 1/16W		
		R3194	D1BD75R0A066	M 75 OHM, F, 1/8W		
		R3196	D0GA101JA039	M 100 OHM, J, 1/16W		
		R3201	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3202	D0GA473JA039	M 47K OHM, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R3205	D0GA101JA039	M 100 OHM, J, 1/16W		
		R3243	D0GA220JA039	M 22 OHM, J, 1/16W		
		R4048	D0GA912JA039	M 9.1K OHM, J, 1/16W		
		R4050	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R4051	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R4052	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R4053	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R4054	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R4059	D0GA101JA039	M 100 OHM, J, 1/16W		
		R4097	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4098	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4150	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R4155	D0GAR00JA039	M 0 OHM, 1/16W		
		R4156	D0GAR00JA039	M 0 OHM, 1/16W		
		R4159	D0GAR00JA039	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	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4500	D0GA750JA039	M 75 OHM, J, 1/16W		
		R4501	D0GA750JA039	M 75 OHM, J, 1/16W		
		R4503	D1H84734A042	M 47K OHM, J, 1/16W		
		R4504	D1H86804A042	M 68 OHM, J, 1/16W		
		R4513	D0GA820JA039	M 82 OHM, J, 1/16W		
		R4514	D0GA220JA039	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	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4519	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4520	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4521	D0GA911JA039	M 910 OHM, J, 1/16W		
		R4522	D0GA911JA039	M 910 OHM, J, 1/16W		
		R4523	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4524	D0GA181JA039	M 180 OHM, J, 1/16W		
		R4900	D0GFR00J0005	M 0 OHM, J, 1/3W		
		R4901	D1H86804A042	M 68 OHM, J, 1/16W		
		R4903	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R4905	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R4906	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R4907	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4908	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R4909	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R4915	D0GA563JA039	M 56K OHM, J, 1/16W		
		R4917	D0GAR00JA039	M 0 OHM, 1/16W		
		R4918	D0GAR00JA039	M 0 OHM, 1/16W		
		R4919	D0GA153JA039	M 15K OHM, J, 1/16W		
		R4956	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4963	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4964	D0GA303JA039	M 30K OHM, J, 1/16W		
		R4983	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5050	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5051	D0GAR00JA039	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	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5082	D0GA104JA039	M 100K OHM, J, 1/16W		
		R5084	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5085	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5086	D0GAR00JA039	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 16.2K OHM, F, 1/16W		
		R5090	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5091	D0GA102JA039	M 1K OHM, J, 1/16W		
		R5092	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R5093	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R5095	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5096	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5097	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5098	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5099	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R5170	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5171	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R5173	D0GA104JA039	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	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5607	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5609	D1H8R0040016	M 0 OHM, Z, 1/16W		
		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	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5740	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R5742	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R5744	D0GAR00JA039	M 0 OHM, 1/16W		
		R6725	D0GAR00JA039	M 0 OHM, 1/16W		
		R6726	D0GAR00JA039	M 0 OHM, 1/16W		
		R6727	D0GAR00JA039	M 0 OHM, 1/16W		
		R6730	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6743	D0GA102JA039	M 1K OHM, J, 1/16W		
		R6744	D0GA102JA039	M 1K OHM, J, 1/16W		
		R6750	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6753	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6754	D0GA102JA039	M 1K OHM, J, 1/16W		
		R6755	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6756	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6757	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6758	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6759	D0GA102JA039	M 1K OHM, J, 1/16W		
		R6760	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6761	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6768	D0GA681JA039	M 680 OHM, J, 1/16W		
		R6770	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6804	D0GAR00JA039	M 0 OHM, 1/16W		
		R6805	D0GAR00JA039	M 0 OHM, 1/16W		
		R6810	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6812	D0GA680JA039	M 68 OHM, J, 1/16W		
		R6813	D0GA680JA039	M 68 OHM, J, 1/16W		
		R6818	D0GA680JA039	M 68 OHM, J, 1/16W		
		R6819	D0GAR00JA039	M 0 OHM, 1/16W		
		R6820	D0GAR00JA039	M 0 OHM, 1/16W		
		R6821	D0GAR00JA039	M 0 OHM, 1/16W		
		R6840	D0GA471JA039	M 470 OHM, J, 1/16W		
		R6846	D0GA680JA039	M 68 OHM, J, 1/16W		
		R6847	D0GA680JA039	M 68 OHM, J, 1/16W		
		R6848	D0GA680JA039	M 68 OHM, J, 1/16W		
		R6849	D0GA680JA039	M 68 OHM, J, 1/16W		
		R6850	D0GA680JA039	M 68 OHM, J, 1/16W		

Model No. : TH-43D410K TH-43D410S Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R6861	D0GA680JA039	M 68 OHM, J, 1/16W		
		R6862	D0GA680JA039	M 68 OHM, J, 1/16W		
		R6863	D0GA680JA039	M 68 OHM, J, 1/16W		
		R6871	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6872	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6880	D0GAR00JA039	M 0 OHM, 1/16W		
		R6881	D0GAR00JA039	M 0 OHM, 1/16W		
		R6882	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R6884	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6885	D0GAR00JA039	M 0 OHM, 1/16W		
		R6886	D0GAR00JA039	M 0 OHM, 1/16W		
		R7101	D0GFI05JA048	M 1M OHM, J, 1/4W		
		R7102	D0GFI05JA048	M 1M OHM, J, 1/4W		
		R7103	D0GFI05JA048	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	D0GFI01JA047	M 100 OHM, J, 1/4W		
		R7205	D0GD470JA052	M 47 OHM, J, 1/8W		
		R7206	D0GD4R7JA059	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	D1BD8203A066	M 820K OHM, F, 1/8W		
		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	D1BD2003A066	M 200K OHM, F, 1/8W		
		R7230	D1BD4422A066	M 44.2K OHM, F, 1/8W		
		R7231	D1BD4303A066	M 430K OHM, F, 1/8W		
		R7232	D1BD3603A066	M 360K OHM, F, 1/8W		
		R7234	D1BD8203A066	M 820K OHM, F, 1/8W		
		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	M 2.2 OHM, J, 1/2W		
		R7305	D0AF121JA112	M 120 OHM, J, 1/2W		
		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	D0XB106JA018	M 10M OHM, J, 1/16W		
		R7312	D0AF153JA112	M 15K OHM, J, 1/2W		
		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, 1/10W		
		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		

Model No. : TH-43D410K TH-43D410S Parts List

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	D1BD3301A066	M 3.3K OHM, F, 1/8W		
		R7407	D0GB103JA065	M 10K OHM, J, 1/10W		
		R7408	D1BD1872A066	M 18.7K OHM, F, 1/8W		
		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	D1BD7503A066	M 750K OHM, F, 1/8W		
		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 220K OHM, J, 1/8W		
		R7421	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7422	D0GD224JA052	M 220K OHM, J, 1/8W		
		R7423	D0GD334JA052	M 330K OHM, J, 1/8W		
		R7427	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7533	D1BD7872A066	M 78.7K OHM, F, 1/8W		
		R7534	D1BD1432A066	M 14.3K OHM, F, 1/8W		
		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, 1/8W		
		R7806	D1BD2202A066	M 22K OHM, D, 1/10 W		
		R7807	D0GD153ZA034	M 15K OHM, Z, 1/8W		
		R7808	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7809	D1BD6802A066	M 68K OHM, F, 1/8W		
		R7810	D1BD2202A066	M 22K OHM, D, 1/10 W		
		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, 1/8W		
		R7817	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7818	D0GD152ZA034	M 1.5K OHM, Z, 1/8W		
		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	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7825	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7826	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7827	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7828	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7829	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7830	D0GD472JA052	M 4.7K OHM, J, 1/8W		
		R7831	D1BD12R0A066	M 12 OHM, F, 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		

Model No. : TH-43D410K TH-43D410S Parts List

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, 2W		
		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	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7852	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7853	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7854	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7855	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7857	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7862	D1BD4701A066	M 4.7K OHM, F, 1/8W		
		R7863	D0GD152ZA034	M 1.5K OHM, Z, 1/8W		
		R7866	D1BD2003A066	M 200K OHM, F, 1/8W		
		R7867	D1BD1803A076	M 180K OHM, F, 1/8W		
		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	D1BD2003A066	M 200K OHM, F, 1/8W		
		R7873	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7874	D0GF473JA048	M 47K OHM, J, 1/4W		
		R7875	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7876	D0GF473JA048	M 47K OHM, J, 1/4W		
		R7877	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7878	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7879	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7880	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7881	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7882	D0GF473JA048	M 47K OHM, J, 1/4W		
		R7883	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7884	D0GF473JA048	M 47K OHM, J, 1/4W		
		R7885	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7886	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7887	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7888	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7889	D0GD1R0JA052	M 1.0 OHM, J, 1/8W		
		R7895	D1BD18R0A066	M 18 OHM, F, 1/8W		
		R7897	D1BD18R0A066	M 18 OHM, F, 1/8W		
		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	D0GA510JA039	M 51 OHM, J, 1/16W		
		R8102	D0GA510JA039	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, 1/16 W		
		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	D0GA101JA039	M 100 OHM, J, 1/16W		
		R8120	D0GAR00JA039	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	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8137	D0GA472JA039	M 4.7K OHM, J, 1/16W		

Model No. : TH-43D410K TH-43D410S Parts List

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	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8147	D0GA750JA039	M 75 OHM, J, 1/16W		
		R8148	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8149	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8150	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8151	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8900	D0GA101JA039	M 100 OHM, J, 1/16W		
		R8901	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8902	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8903	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R8904	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8905	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8906	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8907	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8908	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8909	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8910	D0GA102JA039	M 1K OHM, J, 1/16W		
TRANSFORMER						
		T7202	G4DYA0000496	TRANSFORMER		
		T7301	G4DYA0000687	TRANSFORMER		
OTHERS						
		A02	K1KY14BA0484	CONNECTOR		
		A10	K1KY07BA0483	CONNECTOR		
		A11	K1MY51BA0526	CONNECTOR		
		A12	K1KY04BA0387	CONNECTOR		
		CF7101	D4CAY4R7A096	THERMISTORS RESISTOR		For TH-43D410K Only
		CF7104	D4CAY2R20002	THERMISTORS		For TH-43D410S Only
		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		
		JS0037	D0GAR00JA039	M 0 OHM, 1/16W		
		JS0056	D0GAR00JA039	M 0 OHM, 1/16W		For TH-43D410S Only
		JS0060	D0GAR00JA039	M 0 OHM, 1/16W		For TH-43D410K Only
		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		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		P4	K1KY09BA0402	CONNECTOR		
		P5	K1KY03BA0402	CONNECTOR		
		PC7301	B3PAA0000704	PHOTO COUPLERS		
		PC7302	B3PAA0000704	PHOTO COUPLERS		
		PC7303	B3PAA0000704	PHOTO COUPLERS		
		RM2800	B3RBB0000018	PHOTO DETECTOR		
		SN2800	B3JB00000223	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		

Model No. : TH-43D410K TH-43D410S Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
Exploded View						
		1	K2CQ2YY00122	AC CORD		
		2	LOEYAA000068	SPEAKER UNIT		
		3	N2QAYB000976	REMOTE_TRANSMITTER		
			TBM4GD7251	MODEL NAME PLATE		For TH-43D410K Only
			TBM4GD7253	MODEL NAME PLATE		For TH-43D410S Only
			TBX5ZA03301	KEY BUTTON BRACKET		
			THE5ZL002N	SCREW (B) - M4 x 12mm (Round Screw)		Pedestal Assembly to TV Screw Note : Screws Supplied with Fan Bag Kit
		4	TKK5ZC50501A	LED PANEL		
		5	TKP5ZA32202	SIDE AV BRACKET		
		6	TPD4GA05131	CUSHION_FRONT		
		7	TPD4GA07731	CUSHION_TOP		
		8	TPD4GA07741	CUSHION_BOTTOM		
		9	TPE4GH015-1	SET_BAG		For TH-43D410S Only
			TPE4GH073	SET_BAG		For TH-43D410K Only
		10	TQZ4GC008	FAN BAG KIT ASSEMBLY		Kit Includes OIB and Screws (TH-43D410K)
			TQZ4GC057	FAN BAG KIT ASSEMBLY		Kit Includes OIB and Screws (TH-43D410S)
			TSCKF0170194	LVDS CABLE		
			TXFPC01UWUS	CARTON_ASSEMBLY		For TH-43D410S Only
			TXFPC01WXUK	CARTON_ASSEMBLY		For TH-43D410K Only
		11	TZBL4GX00291	PEDESTAL ASSEMBLY (L)		For TH-43D410S Only
		12	TZBL4GX00301	PEDESTAL ASSEMBLY (R)		For TH-43D410S Only
			TZBL4GX00321	PEDESTAL ASSEMBLY (L)		For TH-43D410K Only
			TZBL4GX00331	PEDESTAL ASSEMBLY (R)		For TH-43D410K Only
			TZLP152KHAA	43 IN-HOUSE PANEL ASSEMBLY		For TH-43D410K Only
			TZLP152KHAD	43 IN-HOUSE PANEL ASSEMBLY		For TH-43D410S Only
		13	TZTU4GA1664	BACK COVER COMPLETE ASSEMBLY		For TH-43D410K Only
			TZTU4GA1677	BACK COVER COMPLETE ASSEMBLY		For TH-43D410S Only
Electrical Replacement Part List						
			TXN/K1WKUK	K PRINT ASSEMBLY		
			TZRNP11UNUS	P PRINT ASSEMBLY		For TH-43D410S Only
			TZRNP11WLUK	P PRINT ASSEMBLY		For TH-43D410K Only
			TZRNP12TNUK	GK PRINT ASSEMBLY		
			TZT/A1UWUS	A PRINT ASSEMBLY		For TH-43D410S Only
			TZT/A1WXUK	A PRINT ASSEMBLY		For TH-43D410K Only