

Service Manual

Plasma Television

Model No. **TH-P50ST30A**
TH-P50ST30Z

GPF14D-A Chassis



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.

TABLE OF CONTENTS

	PAGE
1 Safety Precautions	3
1.1. General Guidelines	3
1.2. Touch-Current Check	3
2 Warning	4
2.1. Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices	4
2.2. About lead free solder (PbF)	5
3 Service Navigation	6
3.1. PCB Layout	6
3.2. Applicable signals	7
4 Specifications	8
5 Technical Descriptions	9
5.1. Specification of KEY for CI Plus, DTCP-IP, WIDEVINE and One-to-One	9
5.2. USB HDD Recording	9
6 Service Mode	10
6.1. How to enter into Service Mode	10
6.2. Option - Mirror	12
6.3. Service tool mode	12
6.4. Hotel mode	13
6.5. Data Copy by SD Card	14
7 Troubleshooting Guide	17
7.1. Check of the IIC bus lines	17
7.2. Power LED Blinking timing chart	18
7.3. No Power	18
7.4. No Picture	19
7.5. Local screen failure	20
8 Service Fixture & Tools	21
8.1. SC jig	21
9 Disassembly and Assembly Instructions	22
9.1. Remove the Rear cover	22
9.2. Remove the AC inlet	22
9.3. Remove the P-Board	22
9.4. Remove the P2-Board	22
9.5. Remove the Side terminal cover and the shield metals	23
9.6. Remove the A-Board	23
9.7. Remove the Side unit assy	23
9.8. Remove the SU-Board	24
9.9. Remove the SD-Board	24
9.10. Remove the SC-Board	24
9.11. Remove the SS-Board	24
9.12. Remove the SS2-Board	25
9.13. Remove the Fan	25
9.14. Remove the Speakers	25
9.15. Remove the Stand bracket	25
9.16. Remove the S-Board	25
9.17. Remove the Contact metal bottom B	26
9.18. Remove the Plasma panel section from the Cabinet assy	26
9.19. Remove the Contact metals and the Bottom support metal	26
9.20. Remove the C1-Board	26
9.21. Remove the C2-Board	27
9.22. Remove the C3-Board	27
9.23. Remove the K-Board	27
9.24. Remove the V-Board	27
9.25. Replace the Plasma panel	27

	PAGE
10 Measurements and Adjustments	28
10.1. Adjustment	28
11 Block Diagram	35
11.1. Main Block Diagram	35
11.2. Block (1/4) Diagram	36
11.3. Block (2/4) Diagram	37
11.4. Block (3/4) Diagram	38
11.5. Block (4/4) Diagram	39
12 Wiring Connection Diagram	41
12.1. Caution statement.	41
12.2. Wiring (1)	41
12.3. Wiring (2)	42
12.4. Wiring (3)	42
12.5. Wiring (4)	43
12.6. Wiring (5)	43
13 Schematic Diagram	
14 Printed Circuit Board	
15 Exploded View	

1 Safety Precautions

1.1. General Guidelines

1. When conducting repairs and servicing, do not attempt to modify the equipment, its parts or its materials.
2. 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.
3. When conducting repairs and servicing, do not twist the Fasten connectors but plug them straight in or unplug them straight out.
4. 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.
5. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
6. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.2. Touch-Current Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a measuring network for touch currents 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 Leakage Current Tester (Simpson 228 or equivalent) to measure the potential across the measuring network.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reserve the AC plug in the AC outlet and repeat each of the above measure.
6. The potential at any point (TOUCH CURRENT) expressed as voltage U_1 and U_2 , does not exceed the following values:

For a. c.: $U_1 = 35 \text{ V}$ (peak) and $U_2 = 0.35 \text{ V}$ (peak);

For d. c.: $U_1 = 1.0 \text{ V}$,

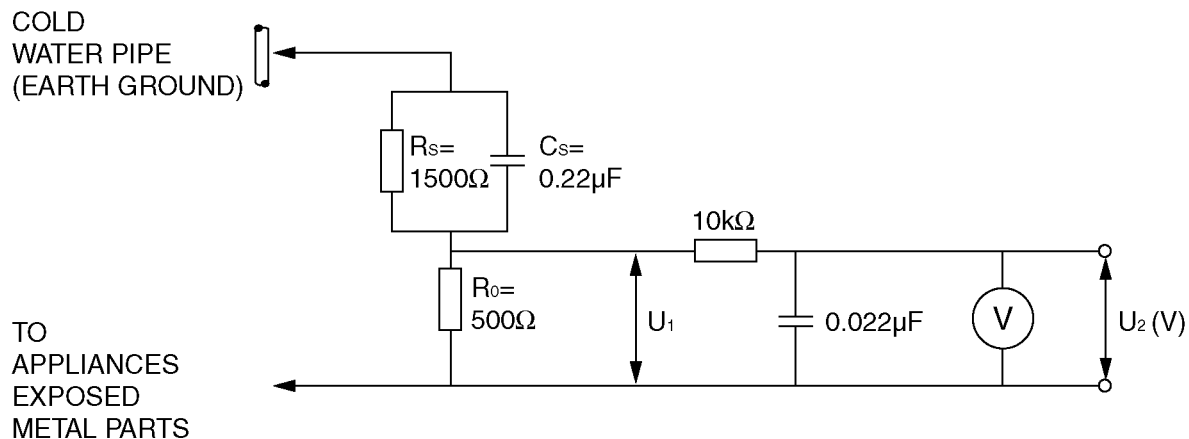
Note:

The limit value of $U_2 = 0.35 \text{ V}$ (peak) for a. c. and $U_1 = 1.0 \text{ V}$ for d. c. correspond to the values 0.7 mA (peak) a. c. and 2.0 mA d. c.

The limit value $U_1 = 35 \text{ V}$ (peak) for a. c. correspond to the value 70 mA (peak) a. c. for frequencies greater than 100 kHz .

7. In case a measurement is out 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.

Measuring network for TOUCH CURRENTS



Resistance values in ohms (Ω)

V: Voltmeter or oscilloscope
(r.m.s. or peak reading)

Input resistance: $\geq 1 \text{ M}\Omega$

Input capacitance: $\leq 200 \text{ pF}$

Frequency range: 15 Hz to 1 MHz and d.c. respectively

NOTE - Appropriate measures should be taken to obtain the correct value in case of non-sinusoidal waveforms.

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).

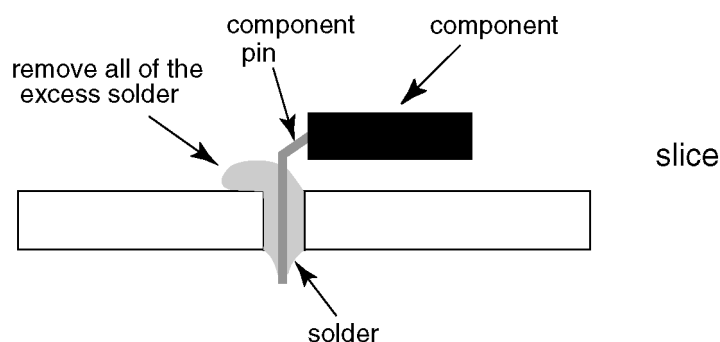
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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.

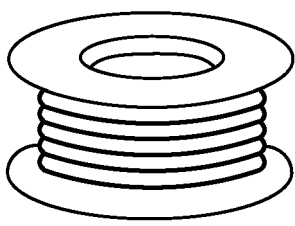
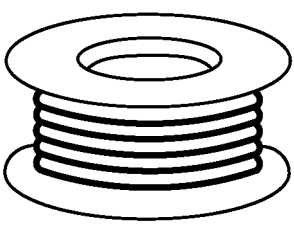
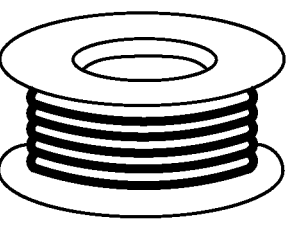
Caution

- 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)



Suggested Pb free solder

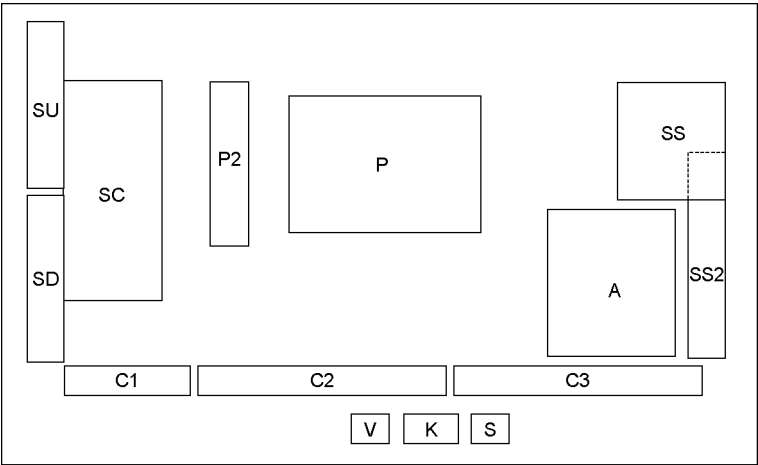
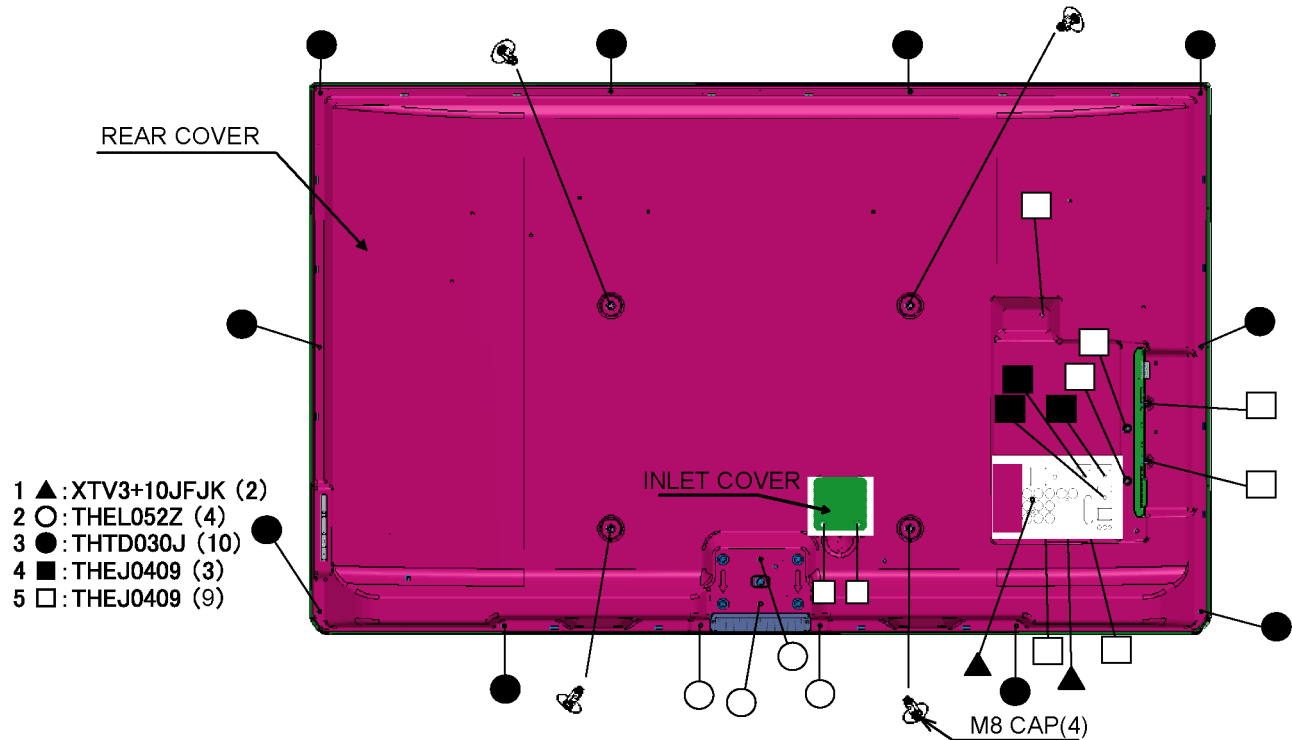
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

3 Service Navigation

3.1. PCB Layout

Remove the Rear cover



Board Name	Function	Board Name	Function
P	Power Supply	C1	Data Driver (Lower Right)
P2	Power Supply	C2	Data Driver (Lower Center)
A	Main AV input, processing	C3	Data Driver (Lower Left)
K	Remote receiver, Power LED, C.A.T.S sensor	SC	Scan Drive
S	Power switch	SS	Sustain Drive
V	3D Eyewear transmitter	SS2	Sustain out
		SU	Scan out (Upper) Non serviceable. SU-Board should be exchanged for service.
		SD	Scan out (Lower) Non serviceable. SD-Board should be exchanged for service.

3.2. Applicable signals

COMPONENT (Y, P_B/C_B, P_R/C_R), HDMI

* Mark: Applicable input signal

Signal name	COMPONENT	HDMI
525 (480) / 60i	*	*
525 (480) / 60p	*	*
625 (576) / 50i	*	*
625 (576) / 50p	*	*
750 (720) / 60p	*	*
750 (720) / 50p	*	*
1,125 (1,080) / 60i	*	*
1,125 (1,080) / 50i	*	*
1,125 (1,080) / 60p		*
1,125 (1,080) / 50p		*
1,125 (1,080) / 24p		*

PC (from D-sub 15P)

Applicable input signal for PC is basically compatible to VESA standard timing.

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 400 @70 Hz	31.47	70.07
640 × 480 @60 Hz	31.47	59.94
640 × 480 @75 Hz	37.50	75.00
800 × 600 @60 Hz	37.88	60.32
800 × 600 @75 Hz	46.88	75.00
800 × 600 @85 Hz	53.67	85.06
852 × 480 @60 Hz	31.44	59.89
1,024 × 768 @60 Hz	48.36	60.00
1,024 × 768 @70 Hz	56.48	70.07
1,024 × 768 @75 Hz	60.02	75.03
1,024 × 768 @85 Hz	68.68	85.00
1,280 × 1,024 @60 Hz	63.98	60.02
1,280 × 768 @60 Hz	47.70	60.00
1,366 × 768 @60 Hz	48.39	60.04
Macintosh13" (640 × 480)	35.00	66.67
Macintosh16" (832 × 624)	49.73	74.55
Macintosh21" (1,152 × 870)	68.68	75.06

PC (from HDMI terminal)

Applicable input signal for PC is basically compatible to HDMI standard timing.

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 480 @60 Hz	31.47	60.00
750 (720) / 60p	45.00	60.00
1,125 (1,080) / 60p	67.50	60.00

Note

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.
- PC signal is magnified or compressed for display, so that it may not be possible to show fine detail with sufficient clarity.

4 Specifications

Power		
Power rating	AC 220-240 V, 50 / 60 Hz 2.4 A	
Normal (Home) mode	153 W	
Standby condition	0.3 W	
Display panel		
Aspect Ratio	16:9	
Visible screen size	127 cm (diagonal) 1,105 mm (W) × 622 mm (H)	
Number of pixels	2,073,600 (1,920 (W) × 1,080 (H)) [5,760 × 1,080 dots]	
Sound		
Speaker	(140 mm × 35 mm) × 2, 6 Ω	
Audio Output	20 W (10 W + 10 W)	
Headphones	M3 (3.5 mm) stereo mini Jack × 1	
PC signals		
	VGA, SVGA, WVGA, XGA SXGA, WXGA (compressed) Horizontal scanning frequency 31 - 69 kHz Vertical scanning frequency 59 - 86 Hz	
Receiving Systems / Band name		
	PAL B/G	Reception of Off air broadcasts
	Digital TV	7 MHz VHF/UHF (Australia) free-to-air TV broadcast reception 8 MHz UHF (New Zealand) free-to-air TV broadcast reception
	PAL 60 Hz	Playback of NTSC tape from some PAL Video recorders (VCR)
	M. NTSC	Playback from M. NTSC Video recorders (VCR)
	NTSC	Playback from NTSC Video recorders (VCR)
Aerial - Rear	Standard Belling & Lee connector (A), VHF/UHF (Z)	
Operating Conditions		
	Temperature:	0 °C - 35 °C
	Humidity:	20 % - 80 % RH (non-condensing)
Connection Terminals		
AV1 Input		
AUDIO L - R	RCA PIN Type × 2	0.5 V [rms]
VIDEO	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)
COMPONENT	Y	1.0 V [p-p] (including synchronisation)
	P _B /C _B , P _R /C _R	± 0.35 V [p-p]
AV2 Input		
AUDIO L - R	RCA PIN Type × 2	0.5 V [rms]
VIDEO	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)
AV3 Input		
AUDIO L - R	RCA PIN Type × 2	0.5 V [rms]
VIDEO	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)
Audio Output		
AUDIO L - R	RCA PIN Type × 2	0.5 V [rms] (high impedance)
Others		
HDMI1 - 4 Input	TYPE A Connectors	• This TV supports "HDAVI control 5" function.
PC Input	HIGH-DENSITY D-SUB 15PIN	R / G / B: 0.7 V [p-p] (75 Ω) HD / VD: TTL Level 2.0 - 5.0 V [p-p] (high impedance)
DIGITAL AUDIO OUT	PCM / Dolby Digital / DTS, Fiber optic	
Card slot	SD Card slot × 1	
USB 1/2/3	USB 2.0 TYPE A Connectors	DC 5 V, Max. 500 mA
ETHERNET	10BASE-T / 100BASE-TX	
Dimensions (W × H × D)		
	1,204 mm × 779 mm × 335 mm (With Pedestal) 1,204 mm × 744 mm × 69 mm (TV only)	
Mass		
	30.0 kg Net (With Pedestal) 26.0 kg Net (TV only)	

Note

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

5 Technical Descriptions

5.1. Specification of KEY for CI Plus, DTCP-IP, WIDEVINE and One-to-One

5.1.1. General information:

1. EEPROM (IC8902) for spare parts has the seed of KEY for each.
2. The final KEY data will be generated by Peaks IC (IC8000) when SELF CHECK was done and are stored in both Peaks IC (IC8000) and EEPROM (IC8902).

Three KEY are not generated for all models.

The necessary KEY are only generated and stored depend on the feature of models.

5.1.2. Replacement of ICs:

When Peaks IC (IC8000) is replaced, EEPROM (IC8902) should be also replaced with new one the same time.

When EEPROM (IC8902) is replaced, Peaks IC (IC8000) is not necessary to be replaced the same time.

After the replacement of IC, SELF CHECK should be done to generate the final KEY data.

How to SELF CHECK: While pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

TV will be forced to the factory shipment setting after this SELF CHECK.

5.1.3. Model and Keys:

Model No.	Keys	
	One-to-One (For USB Rec.)	WIDEVINE
TH-P50ST30A/Z	○	○

5.2. USB HDD Recording

5.2.1. General information:

Digital TV programmes can be recorded in USB HDD.

A One-to-One key generated in A-board by SELF CHECK binds TV and USB-HDD for communication.

That key is only one key for them. If the key is difference, TV can not access USB-HDD.

Caution:

New key will be generated by following SELF CHECK and previous TV programmes recorded in USB HDD will not be viewed.

SELF CHECK: While pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

6 Service Mode

6.1. How to enter into Service Mode

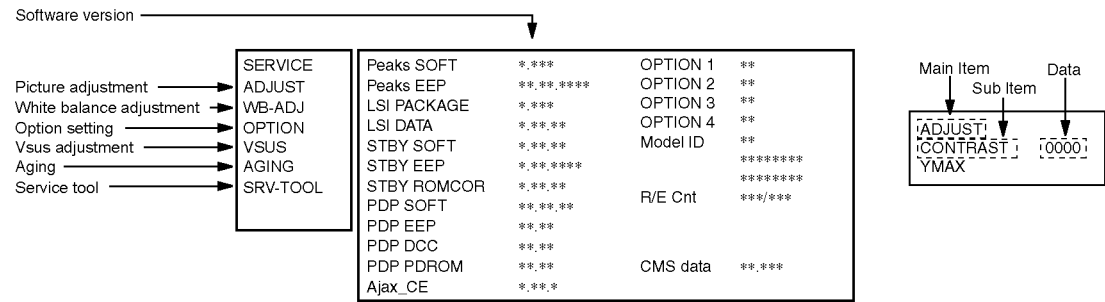
6.1.1. Purpose

After exchange parts, check and adjust the contents of adjustment mode.

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

Note:

Service Mode can not be entered when 3D signal input.
Input 2D signal to enter Service Mode.



6.1.2. 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
- [RED] button...All Sub items Selection in reverse direction
- [GREEN] button...All Sub items Selection in forward direction
- [VOL] button...Value of sub items change in forward direction (+), in reverse direction (-)

6.1.3. How to exit

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

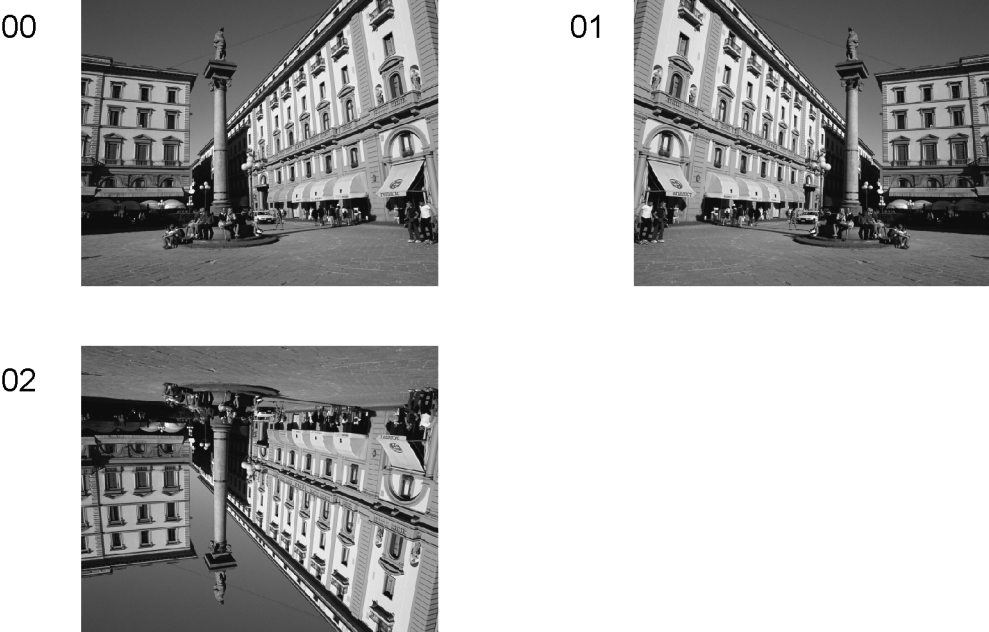
6.1.4. Contents of adjustment mode

- 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	Remark
ADJUST	CONTRAST	000	
	COLOR	3D	
	TINT	00	
	SUB-BRT	800	
	H-POS	0	
	H-AMP	0	
	V-POS	0	
	V-AMP	0	
WB-ADJ	R-CUT	80	
	G-CUT	80	
	B-CUT	80	
	R-DRV	FF	
	G-DRV	F2	
	B-DRV	8E	
	ALL-CUT	80	
	ALL-DRV	FF	
OPTION	Panel-Type	50FHD	Factory Preset
	Boot	ROM	
	STBY-SET	00	
	EMERGENCY	ON	
	Y/C Delay		
	OPT 1	10110000	
	OPT 2	00100010	
	OPT 3	00000001	
	OPT 4	00010000	
	EDID-CLK	MID	
	MIRROR	00 (See Option-Mirror)	
	AMR-SELECT	OFF	
VSUS		LOW	See Vsus selection
AGING	ALL WHITE		Built-in test patterns can be displayed.
	ALL BLUE WITH WHITE OUTSIDE FRAME		
	ALL GREEN		
	ALL RED		
	LOW STEP WHITE		
	LOW STEP BLUE		
	LOW STEP GREEN		
	LOW STEP RED		
	WHITE DIAGONAL STRIPE		
	RED DIAGONAL STRIPE		
	GREEN DIAGONAL STRIPE		
	BLUE DIAGONAL STRIPE		
	A-ZONE & B-ZONE		
	1% WINDOW		
	COLOR BAR		
	9 POINTS BRIGHT MEASURE		
	2 DOT OUTSIDE FRAME		
	ALL BLUE		
	DOUBLE FIXED 1% WINDOW		
	VERTICAL LINE SCROLL		
	ON/OFF OR WHITE		
	R/G/B/W ROTATION		
	HALF FIXED ALL WHITE		
	ALL WHITE WITH COUNT DISPLAY		
SRV-TOOL		00	See Service tool mode

6.2. Option - Mirror

Picture can be reversed left and right or up and down.
00 : Default (Normal picture is displayed)
01 : Picture is reversed left and right.
02 : Picture is reversed up and down.



Hint : If the defective symptom (e.g. Vertical bar or Horizontal bar) is moved by selection of this mirror, the possible cause is in A-board.

6.3. Service tool mode

6.3.1. How to access

- 1. Select [SRV-TOOL] in Service Mode.
- 2. Press [OK] button on the remote control.

SRV-TOOL		
Display of TD2Microcode version →	TD2Microcode:0200b105	
Display of Flash ROM maker code →	Flash ROM : AD - DA	
Display of SOS History →	PTCT : 00 . 00 . 00 . 00 . 00 .	Time 00000:40 Count 0000022 ← POWER ON TIME/COUNT Press [MUTE] button (3 sec)

6.3.2. 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 will be cleared by [Self-check indication and forced to factory shipment setting].

6.3.3. POWER ON Time, Count

Note : To display TIME/COUNT menu, highlight position, then press MUTE for 3 sec.
Time : Cumulative power on time, indicated hour : minute by decimal
Count : Number of ON times by decimal
Note : This indication will not be cleared by either of the self-checks or any other command.

6.3.4. Exit

- 1. Disconnect the AC cord from wall outlet or switch off the power with [Power] button on the main unit.

6.4. 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	Off
Initial VOL Level	Off
Maximum VOL Level	100
Button Lock	Off
Remote Lock	Off
Private Information	Keep

3. To exit the Hotel mode setup menu

Disconnect AC power cord from wall outlet.

4. Explain the Hotel mode setup menu

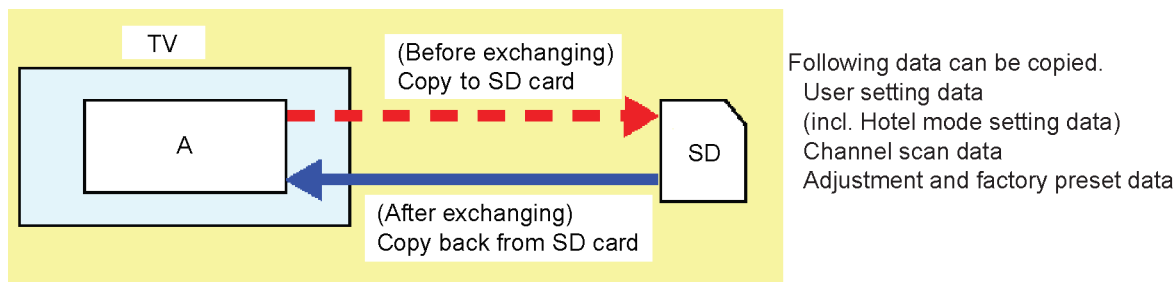
Item	Function
Hotel Mode	Select hotel mode On/Off
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off/Analogue TV/Digital TV/AV1/AV2/AV3/PC/HDMI1/HDMI2/HDMI3/HDMI4 • Off: give priority to a last memory.
Initial POS	Select programme number. Selection : 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
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

6.5. Data Copy by SD Card

6.5.1. Purpose

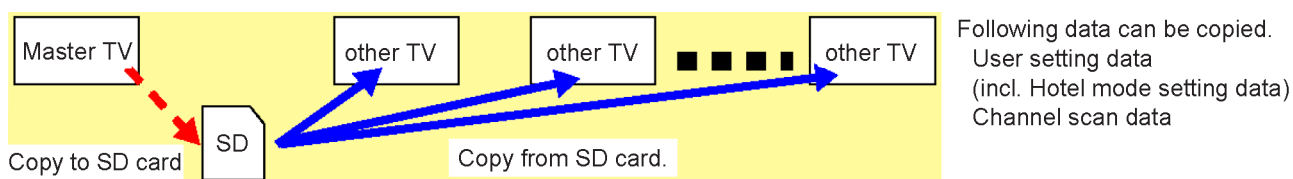
(a) Board replacement (Copy the data when exchanging A-board):

When exchanging A-board, the data in original A-board can be copied to SD card and then copy to new A-board.



(b) Hotel (Copy the data when installing a number of units in hotel or any facility):

When installing a number of units in hotel or any facility, the data in master TV can be copied to SD card and then copy to other TVs.



6.5.2. Preparation

Make pwd file as startup file for (a) or (b) in a empty SD card.

1. Insert a empty SD card to your PC.
2. Right-click a blank area in a SD card window, point to New, and then click text document. A new file is created by default (New Text Document.txt).
3. Right-click the new text document that you just created and select rename, and then change the name and extension of the file to the following file name for (a) or (b) and press ENTER.

File name:

(a) For Board replacement : boardreplace.pwd

(b) For Hotel : hotel.pwd

Note:

Please make only one file to prevent the operation error.

No any other file should not be in SD card.

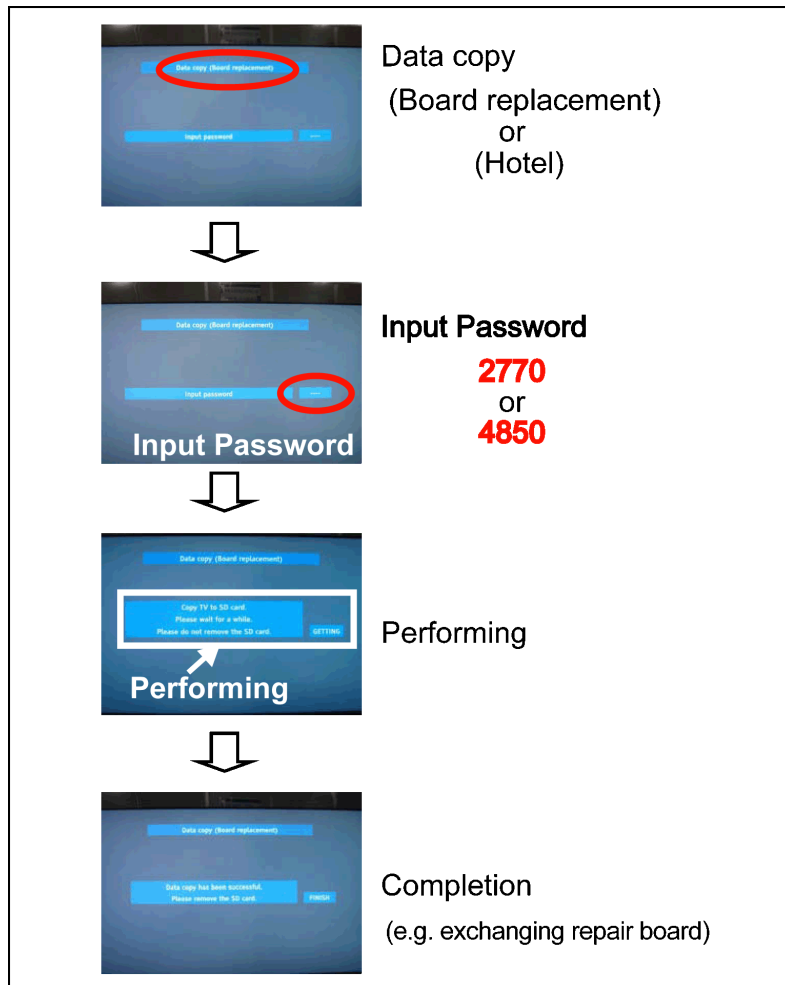
6.5.3. Data copy from TV set to SD Card

1. Turn on the TV set.
2. Insert SD card with a startup file (pwd file) to SD slot.
On-screen Display will be appeared according to the startup file automatically.
3. Input a following password for (a) or (b) by using remote control.
(a) For Board replacement : 2770
(b) For Hotel : 4850
Data will be copied from TV set to SD card.
It takes around 2 to 6 minutes maximum for copying.
4. After the completion of copying to SD card, remove SD card from TV set.
5. Turn off the TV set.

Note:

Following new folder will be created in SD card for data from TV set.

- (a) For Board replacement : user_setup
- (b) For Hotel : hotel

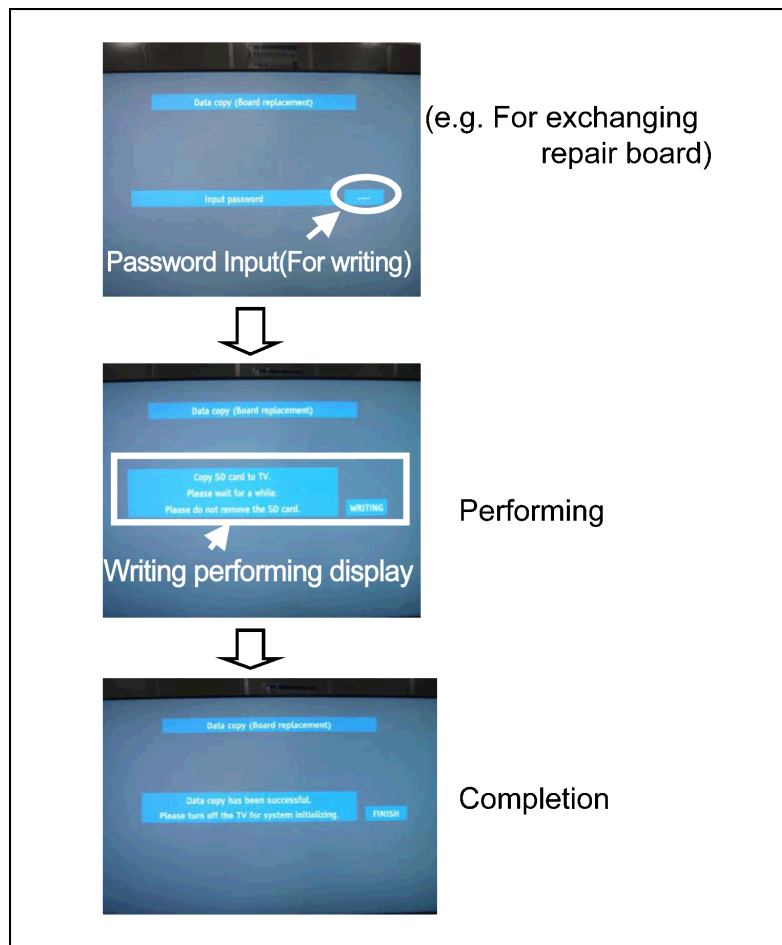


6.5.4. Data copy from SD Card to TV set

1. Turn on the TV set.
2. Insert SD card with Data to SD slot.
On-screen Display will be appeared according to the Data folder automatically.
3. Input a following password for (a) or (b) by using remote control.
(a) For Board replacement : 2771
(b) For Hotel : 4851
Data will be copied from SD card to TV set.
4. After the completion of copying to SD card, remove SD card from TV set.
(a) For Board replacement : Data will be deleted after copying (Limited one copy).
(b) For Hotel : Data will not be deleted and can be used for other TVs.
5. Turn off the TV set.

Note:

1. Depending on the failure of boards, function of Data copy for board replacement does not work.
2. This function can be effective among the same model numbers.



7 Troubleshooting Guide

Use the self-check function to test the unit.

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

7.1. Check of the IIC bus lines

7.1.1. How to access

7.1.1.1. 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.

7.1.1.2. Self-check indication and forced to factory shipment setting:

Caution:

New key will be generated and previous TV programmes recorded in USB HDD will not be viewed. (See Chap.5)

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.

7.1.2. Screen display

50FHD SET		Panasonic 2011PDP	
		SELF CHECK COMPLETE SYS SELECT : Australia	
TUN	OK	PEAKS-SOFT	*****
STBY	OK	PEAKS-EEP	*****
MEM1	OK	LSI-PACKAGE	*****
MEM2	OK	LSI-RELEASE	*****
AVSW	OK	STBY-SOFT	*****
TEMP	OK	STBY-EEP	*****
LAN	OK	STBY-ROMCORR	*****
ID	OK	PDP-MCU	*****
ID2	OK	PDP-EEP	*****
LP1	OK	PDP-DCC	*****
HDMI-SW	OK	PDP-PDROM	*****
IRDRV	OK		
		SUM	*****
		MODEL ID	*****

7.1.3. Check Point

Confirm the following parts if NG was displayed.

DISPLAY	Check Ref. No.	Description	Check P.C.B.
TUN	TU4801	TUNER	A-BOARD
STBY	IC8000	PEAKS-LDA3(STM)	A-BOARD
MEM1	IC8902	PEAKS EEPROM	A-BOARD
MEM2	IC8901	STM EEPROM	A-BOARD
AVSW	IC3001	AUDIO/VIDEO SW	A-BOARD
TEMP	IC3753	TEMP SENSOR	A-BOARD
LAN	IC8601	ETHERPHY	A-BOARD
ID			A-BOARD
ID2			A-BOARD
LP1	IC9300	LP1	A-BOARD
HDMI-SW	IC4700	HDMI SW	A-BOARD
IRDRV	IC5901	IR LED DRIVER	A-BOARD

7.1.4. Exit

Disconnect the AC cord from wall outlet or switch off the power with [Power] button on the main unit.

7.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinks of the Power LED on the front panel of the unit.

Blinking Times	Contents	Check point
1	Panel information SOS LP1 Start SOS	-
3	P+ 3.3V SOS	A-Board
4	Power SOS	P-Board P2-Board
5	P+ 5V SOS	A-Board
6	Driver SOS1 (SC Energy recovery circuit) (A-SC FPC DET)	SC-Board A-SC FPC
7	Driver SOS2 (SU/SD Connector DET) (SU/SD Scan and Logic IC)	SU-Board SD-Board *
8	Driver SOS3 (SS FPC DET) (SS Energy recovery circuit)	SS-Board SS2-Board SS FPC SS2 FPC
9	Discharge Control SOS	A-Board
10	Sub 5V SOS Sub 3.3V SOS Tuner power SOS	A-Board SC-Board SS-Board P-Board P2-Board
11	FAN SOS	A-Board FAN
12	Sound SOS	A-Board Speaker
13	Emergency SOS	A-Board
14	IROM SOS (ROM in Peaks IC)	A-Board P-Board

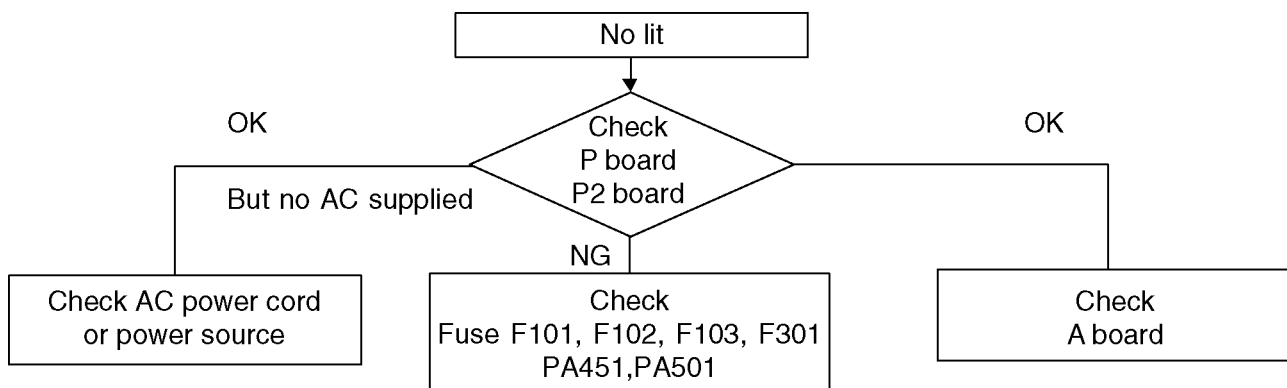
*Use SC jig to isolate the board.

7.3. No Power

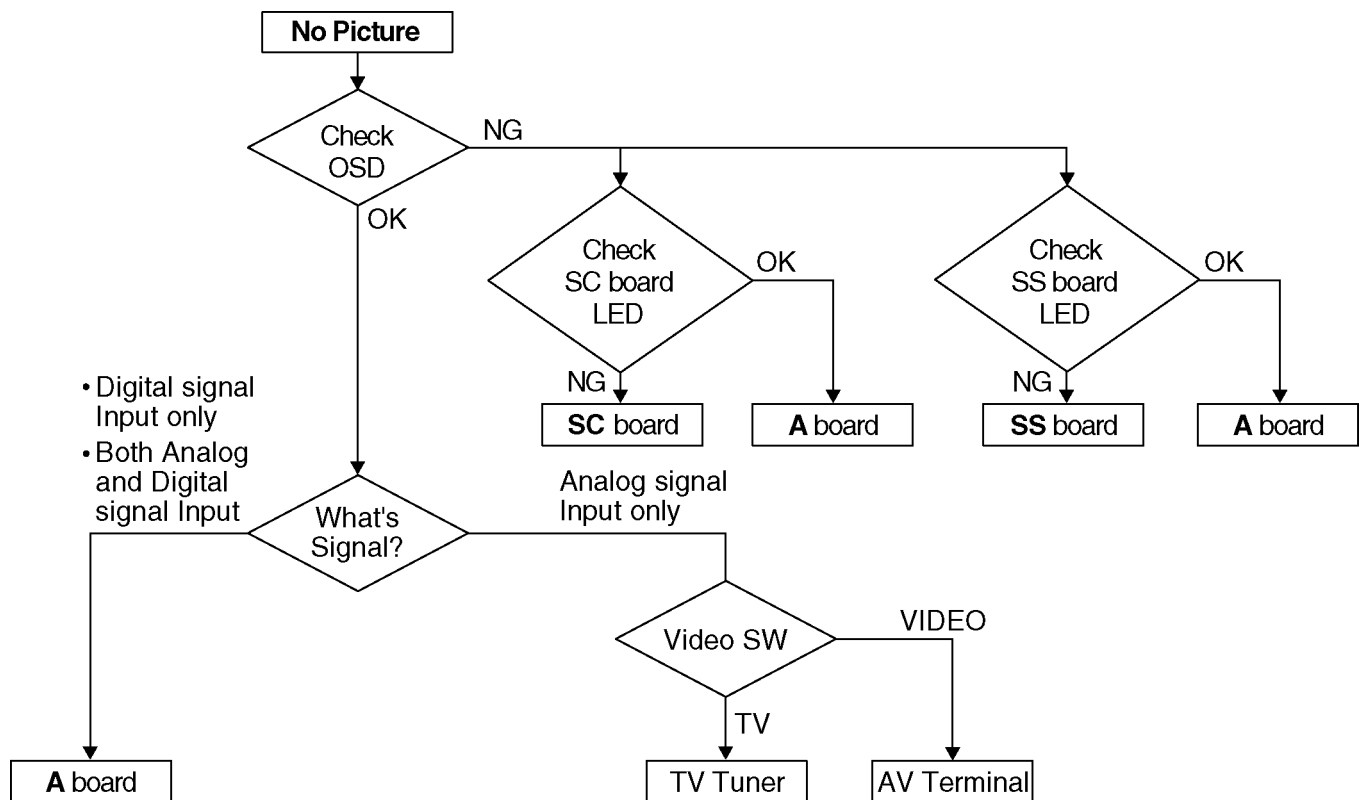
First check point

There are following 3 states of No Power indication by power LED.

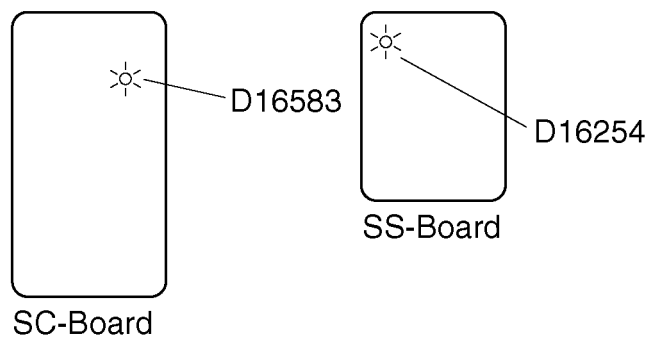
1. No lit.
2. Green is lit then turns red blinking a few seconds later. (See 7.2.)
3. Only red is lit.



7.4. No Picture



Drive circuits LED indicator



7.5. Local screen failure

Plasma display may have local area failure on the screen. Fig-1 is the possible defect P.C.B. for each local area.

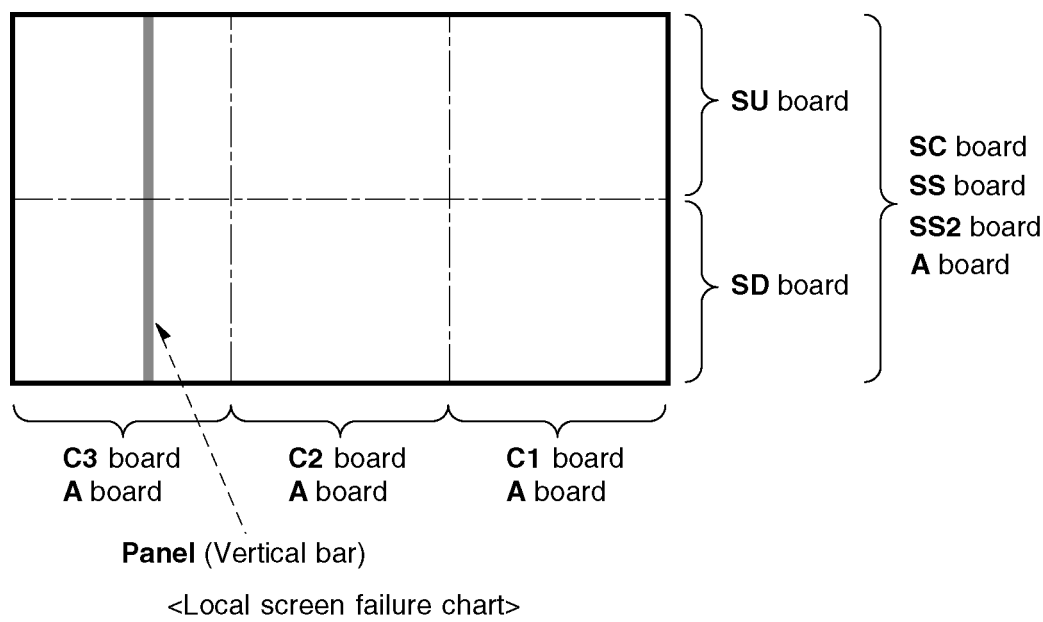


Fig-1

8 Service Fixture & Tools

8.1. SC jig

Purpose:

To find the failure board (SC or SU/SD) when the power LED is blinking 7 times.

SC jig:

Jumper connector to connect to SC50 connector on SC board

Part number:

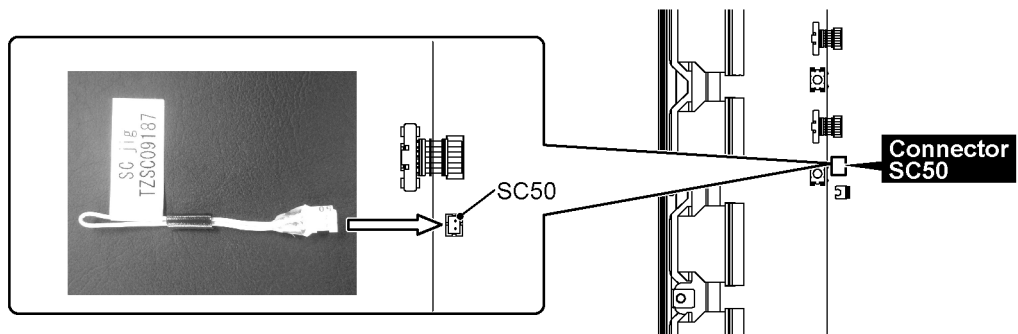
TZSC09187

How to use:

Caution: Remove SC jig from SC board after inspection.

1. Remove all connector between SC board and SU/SD board to isolate SC board from both SU and SD board electrically.
Note: The board will be damaged if all connector is not removed (for example; remove connector only for SU board and stay connecting with SD board. The board will be damaged.)
2. Connect SC jig to connector SC50 at left bottom side of SC board
3. Turn on the TV/Display Unit and confirm the power LED blinking.
LED blinking: Possible cause of failure is in SC board
No LED blinking (Lighting or no lighting): Possible cause of failure is in SU or SD board
4. After inspection, turn off the TV/Display Unit and wait a few minutes to discharge.
5. Remove SC jig from SC board.

Remark: This SC jig can be used for all 2011 Plasma TV and Plasma Display.



9 Disassembly and Assembly Instructions

9.1. Remove the Rear cover

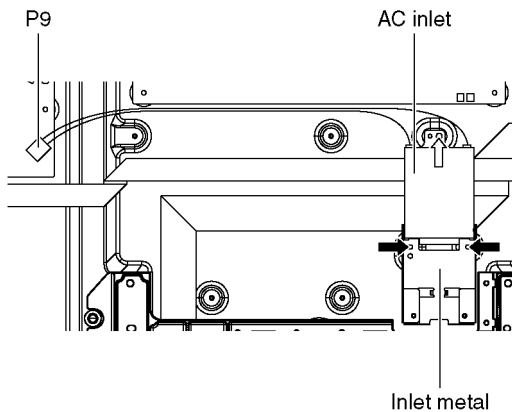
1. See PCB Layout (Section 3)

9.2. Remove the AC inlet

Caution:

To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable.
2. Disconnect the connector (P9).
3. Remove the screws (×2 ➡) and remove the Inlet metal.
4. Remove the screw (×1 ⇨) and remove the AC inlet.

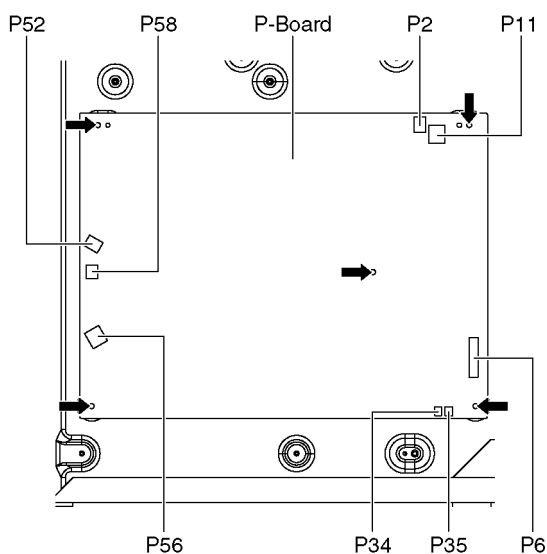


9.3. Remove the P-Board

Caution:

To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable
2. Disconnect the connectors (P52, P56 and P58).
3. Disconnect the connectors (P2, P6, P11, P34 and P35).
4. Remove the screws (×5 ➡) and remove the P-Board.

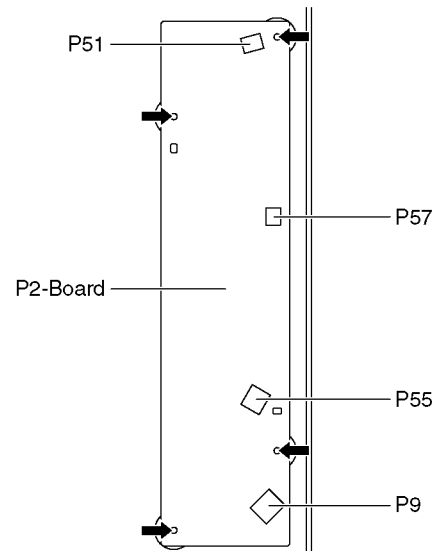


9.4. Remove the P2-Board

Caution:

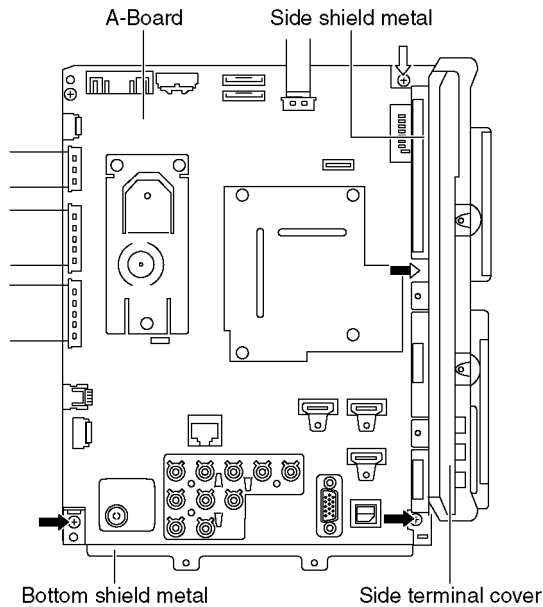
To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable.
2. Disconnect the connectors (P51, P55 and P57).
3. Disconnect the connector (P9).
4. Remove the screws (×4 ➡) and remove the P2-Board.



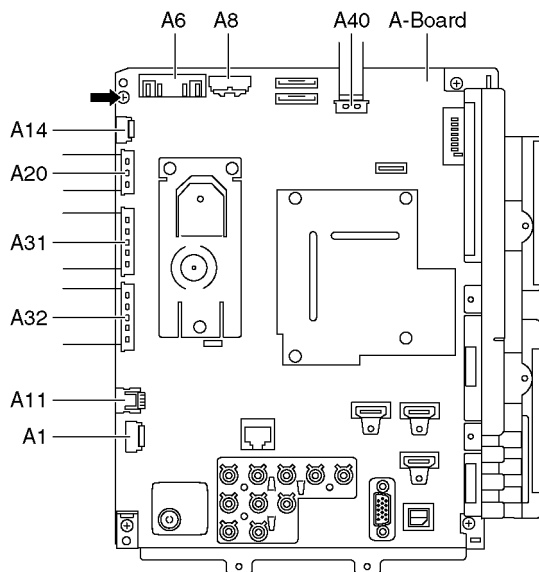
9.5. Remove the Side terminal cover and the shield metals

1. Remove the claw (×1 ➡).
2. Remove the Side terminal cover.
3. Remove the screws (×2 ➡).
4. Remove the Bottom shield metal.
5. Remove the screw (×1 ➡).
6. Remove the Side shield metal.



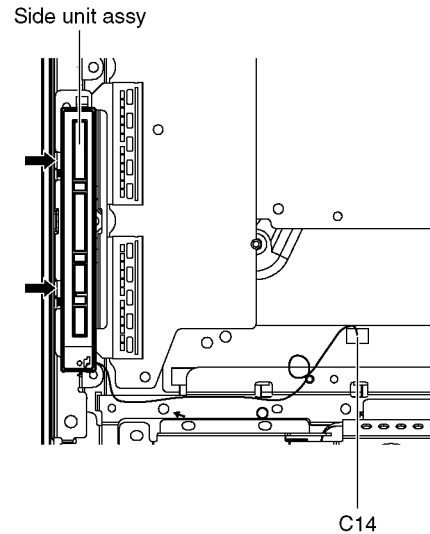
9.6. Remove the A-Board

1. Remove the Side terminal cover and the Shield metals. (See section 9.5.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connectors (A1, A6, A8, A11 and A14).
4. Disconnect the flexible cables (A20, A31, A32 and A40).
5. Remove the screw (×1 ➡) and remove the A-Board.

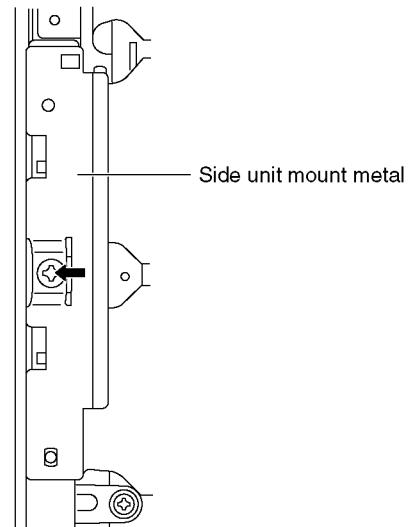


9.7. Remove the Side unit assy

1. Disconnect the connector (C14).
2. Remove the claws (×2 ➡) and remove the Side unit assy.

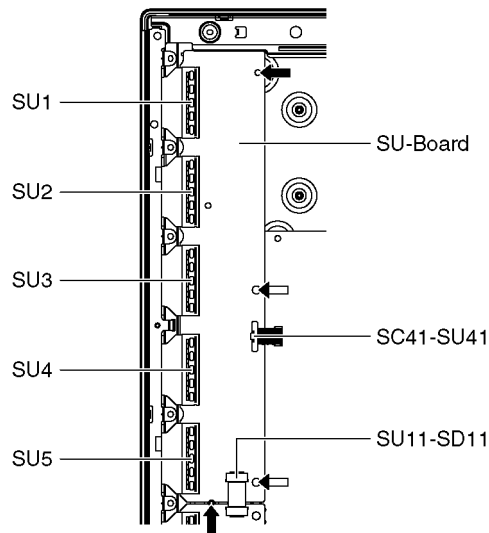


3. Remove the screw (×1 ➡).
4. Remove the Side unit mount metal.



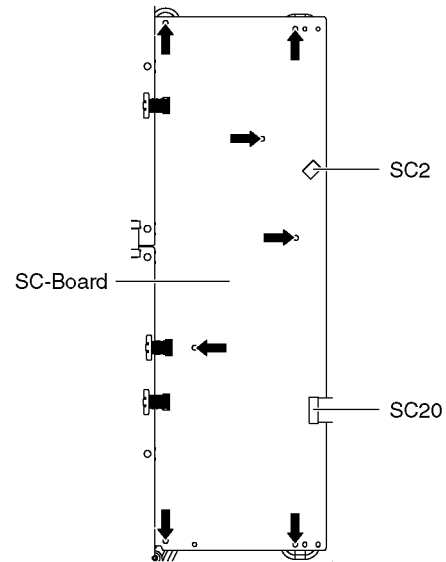
9.8. Remove the SU-Board

1. Disconnect the flexible cables (SU1, SU2, SU3, SU4 and SU5) connected to the SU-Board.
2. Disconnect the flexible cable (SU11-SD11) and the bridge connector (SC41-SU41).
3. Remove the screws (×2 ➡, ×2 ⇨) and remove the SU-Board.



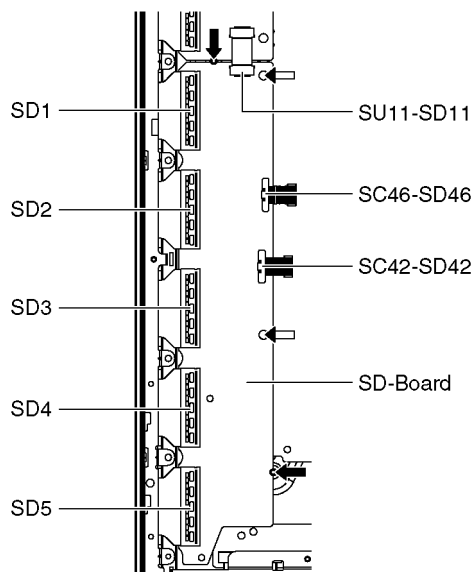
9.10. Remove the SC-Board

1. Remove the SU-Board and SD-Board. (See section 9.8. and 9.9.)
2. Disconnect the connector (SC2).
3. Disconnect the flexible cable (SC20).
4. Remove the screws (×7 ➡) and remove the SC-Board.



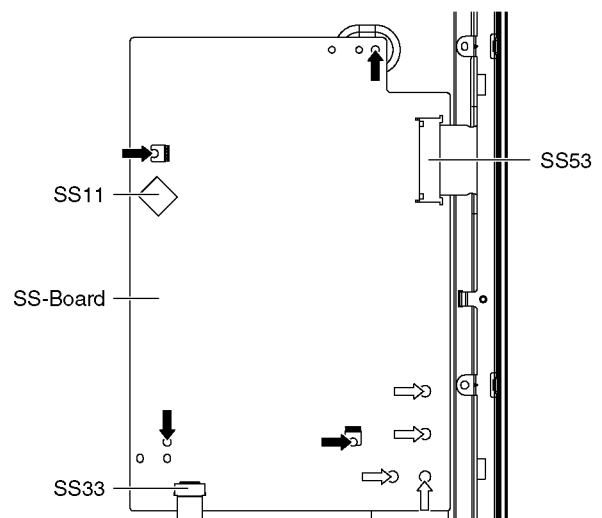
9.9. Remove the SD-Board

1. Disconnect the flexible cables (SD1, SD2, SD3, SD4 and SD5) connected to the SD-Board.
2. Disconnect the flexible cable (SU11-SD11) and the bridge connectors (SC42-SD42 and SC46-SD46).
3. Remove the screws (×2 ➡, ×2 ⇨) and remove the SD-Board.



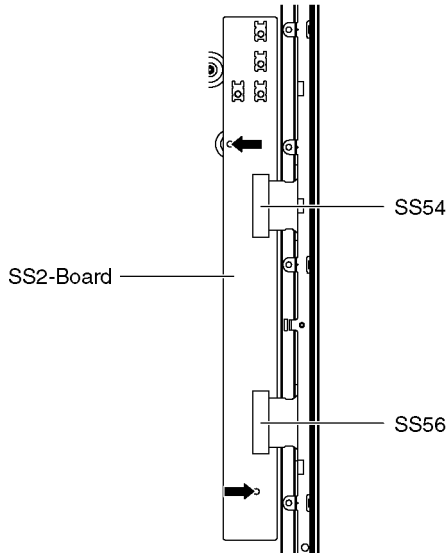
9.11. Remove the SS-Board

1. Disconnect the connector (SS11).
2. Disconnect the flexible cable (SS33).
3. Disconnect the flexible cable (SS53).
4. Remove the screws (×4 ➡, ×4 ⇨) and remove the SS-Board.



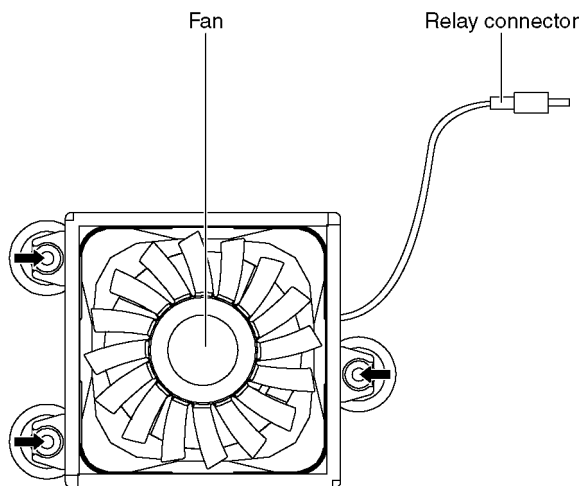
9.12. Remove the SS2-Board

1. Disconnect the Side terminal cover and the Shield metals (See section 9.5.).
2. Remove the SS-Board (See section 9.11.).
3. Disconnect the flexible cables (SS54 and SS56).
4. Remove the screws (×2 ➡) and remove the SS2-Board.



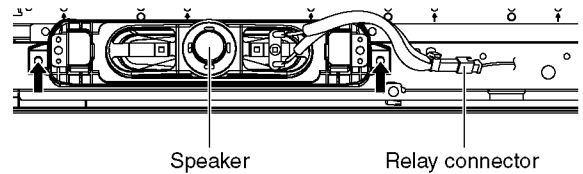
9.13. Remove the Fan

1. Unlock the cable clampers to free the cable.
2. Remove the screws (×3 ➡).
3. Remove the Relay connector and remove the Fan.



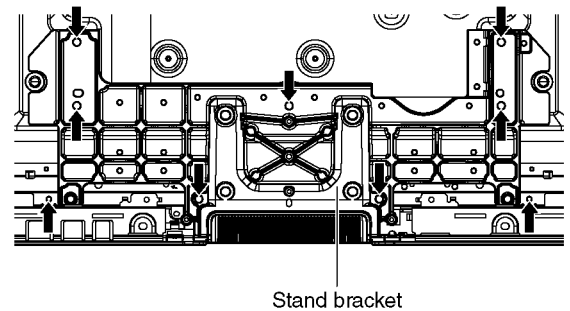
9.14. Remove the Speakers

1. Unlock the cable clampers to free the cable.
2. Disconnect the Relay connector.
3. Remove the screws (×2 ➡ each) and remove the Speakers (L, R).



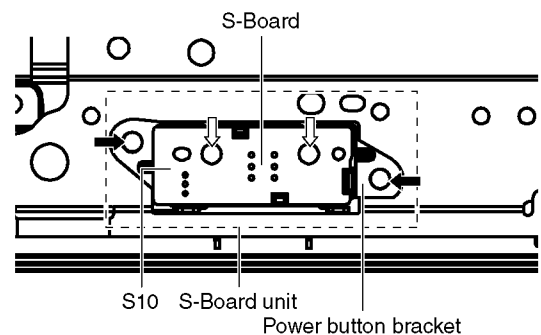
9.15. Remove the Stand bracket

1. Remove the Plasma panel section from the servicing stand and lay on a flat surface such as a table (covered by a soft cloth) with the Plasma panel surface facing downward.
2. Unlock the cable clampers to free cable.
3. Remove the Stand bracket fastening screws (×9 ➡) and the Stand bracket.



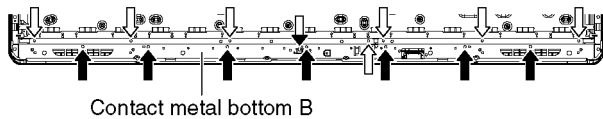
9.16. Remove the S-Board

1. Remove the screws (×2 ➡) and remove the S-Board unit.
2. Remove the screws (×2 ⇨).
3. Disconnect the connector (S10) and remove the S-Board from the Power button bracket.



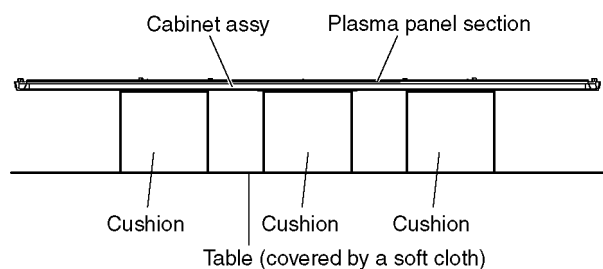
9.17. Remove the Contact metal bottom B

1. Remove the Stand bracket. (See section 9.15.)
2. Remove the screws (×7 ➡, ×7 ⇨, ×1 ⇨).
3. Remove the Contact metal bottom B.

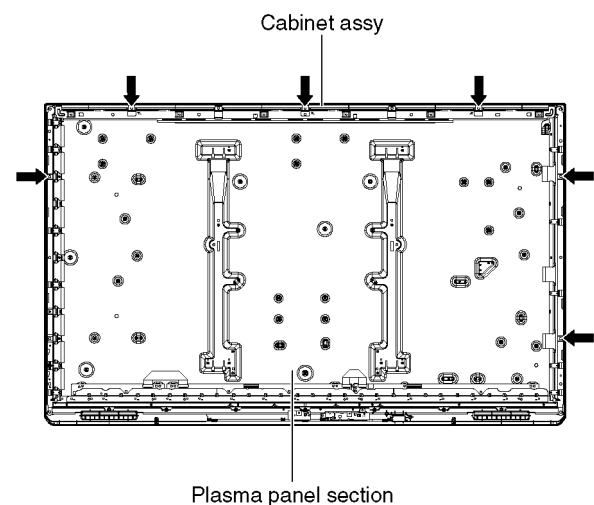


9.18. Remove the Plasma panel section from the Cabinet assy

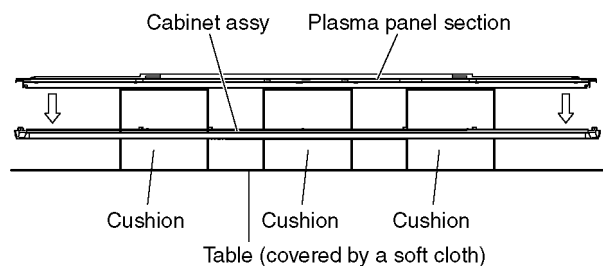
1. Place the Cabinet assy on a flat surface of a table (covered by a soft cloth) and a cushion.



2. Remove the Contact metal bottom B. (See section 9.17.)
3. Remove the screws (×6 ➡).

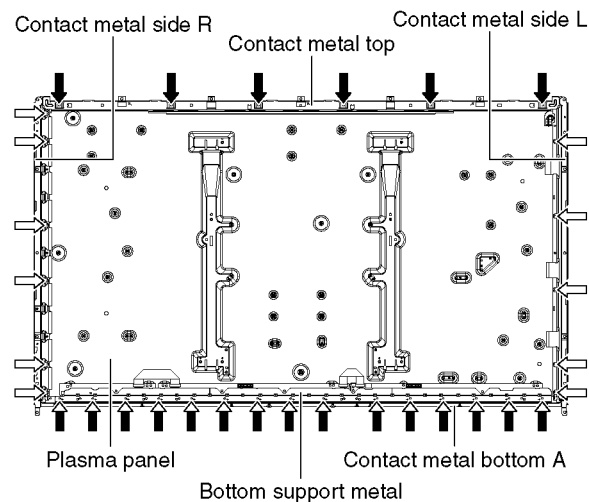


4. Remove the Plasma panel section from the Cabinet assy.



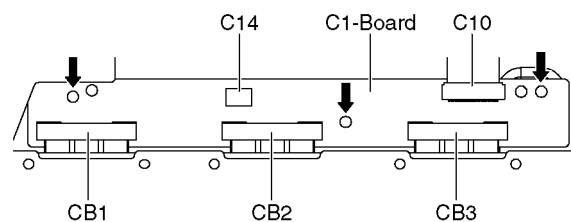
9.19. Remove the Contact metals and the Bottom support metal

1. Remove the Cabinet assy. (See section 9.18.)
2. Remove the Tape from the Contact metals.
3. Remove the screws (×11 ⇨).
4. Remove the Contact metal side (L, R).
5. Remove the screws (×6 ➡).
6. Remove the Contact metal top.
7. Remove the screws (×15 ⇨).
8. Remove the Bottom support metal and the Contact metal bottom A.



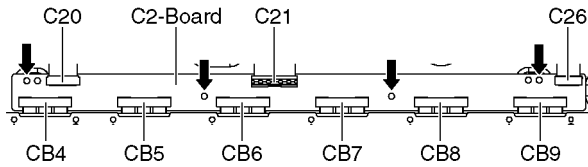
9.20. Remove the C1-Board

1. Remove the Bottom support metal and the Contact metal bottom A. (See section 9.19.)
2. Disconnect the flexible cables (CB1, CB2 and CB3).
3. Disconnect the flexible cable (C10).
4. Disconnect the connector (C14).
5. Remove the screws (×3 ➡) and remove the C1-Board.



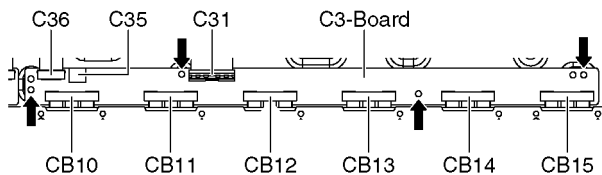
9.21. Remove the C2-Board

1. Remove the Bottom support metal and the Contact metal bottom A. (See section 9.19.)
2. Disconnect the flexible cables (CB4, CB5, CB6, CB7, CB8 and CB9).
3. Disconnect the flexible cables (C20, C21 and C26).
4. Remove the screws (×4 ➡) and remove the C2-Board.



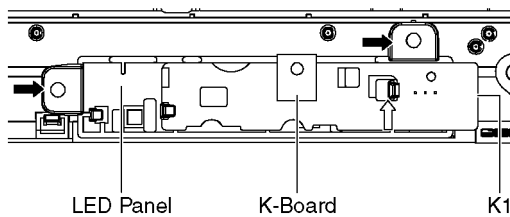
9.22. Remove the C3-Board

1. Remove the Bottom support metal and the Contact metal bottom A. (See section 9.19.)
2. Disconnect the flexible cables (CB10, CB11, CB12, CB13, CB14 and CB15).
3. Disconnect the flexible cables (C31 and C36).
4. Disconnect the connector (C35).
5. Remove the screws (×4 ➡) and remove the C3-Board.



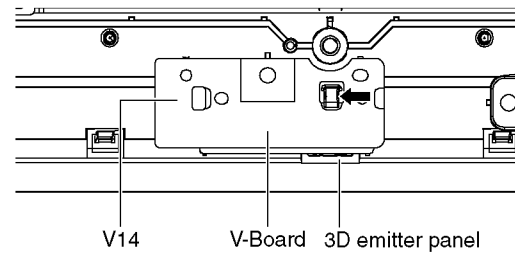
9.23. Remove the K-Board

1. Remove the Contact metal bottom B. (See section 9.17.)
2. Remove the screws (×2 ➡).
3. Remove the claw (×1 ➡).
4. Disconnect the connector (K1) and remove the K-Board from the LED Panel.



9.24. Remove the V-Board

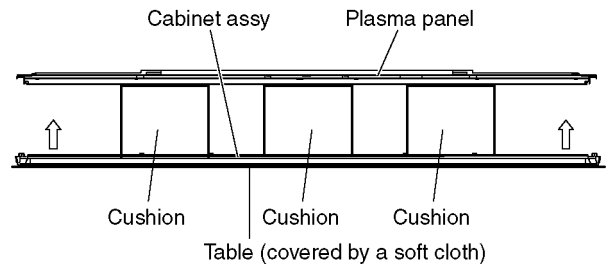
1. Remove the Contact metal bottom B. (See section 9.17.)
2. Remove the Claw (×1 ➡).
3. Disconnect the connector (V14) and remove the V-Board from the 3D emitter panel.



9.25. Replace the Plasma panel

Caution:

Place the Plasma panel on a flat surface of a table (covered by a soft cloth) and a cushion.



A new Plasma panel itself without Contact metals is fragile. To avoid the damage to new Plasma panel, carry a new Plasma panel taking hold of the Contact metals.

1. Place a carton box packed a new Plasma panel on the flat surface of the work bench.
2. Open a box and without taking a new Plasma panel.
3. Attach the Cabinet assy and each P.C.Board and so on, to the new Plasma panel.

10 Measurements and Adjustments

10.1. Adjustment

10.1.1. Vsus selection

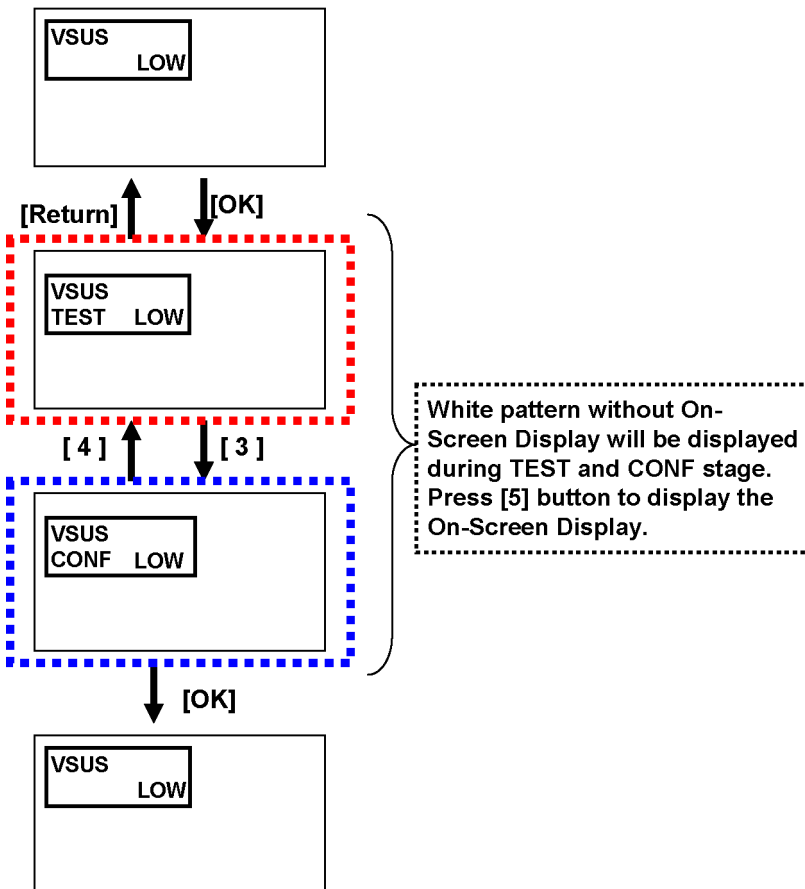
Caution:

When Plasma panel or A-board is replaced, Vsus should be set to LOW.

Procedure

1. Go into main item [VSUS] in Service Mode. LOW will be displayed.
2. Press [OK] button to go to TEST stage.
White pattern without On-Screen Display will be displayed during TEST and CONF stage. Press [5] button to display the On-Screen Display.
3. In LOW setting
If no several dead pixel is visible remarkably in white pattern, press [3] button to go to CONF stage.
4. Press [OK] button in CONF stage to store LOW.
5. Exit Service Mode by pressing [Power] button.

Vsus selection in Service mode



10.1.2. Sub-Contrast adjustment

Name of measuring instrument	Connection	Remarks
RF generator Base Band signal generator HD signal generator		
Steps		Remarks
Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later. Adjustment of TV (RF system) Note: In adjustment, you must setting to modulation of signal at 87.5%. 1. Receive a RF PAL 100% Full White or Split Colour bar shown as below. 2. Goes into service mode. 3. Push a [1] or [2] key, and goes into adjustment mode for [CONTRAST]. Adjustment 1. The colour key yellow button of remote control is pushed. 2. The OSD character of sub-contrast becomes red. (Inside under automatic adjustment) 3. The OSD character of sub-contrast returns to black. When [NG] is displayed, adjustment failure. 4. End.		Note: Sub-contrast adjustment is unadjusted for AV/ HD input. But, when needing the adjustment chosen manually, please refer to [alternative method].

Steps	Remarks
Another procedure Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later. Adjustment of AV system 1. PAL 100% Full White or Split Colour bar receive AV1(or AV2), shown as below. 2. Goes into service mode. 3. Push [1] or [2] key, and goes into adjustment mode for [CONTRAST]. Adjustment 1. The colour key yellow button of remote control is pushed. 2. The OSD character of sub-contrast becomes red. (Inside under automatic adjustment) 3. The OSD character of sub-contrast returns to black. When [NG] is displayed, adjustment failure. 4. End.	

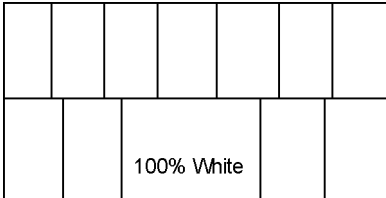
Steps	Remarks
Another procedure Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later. Adjustment of HD system - At 1080i 100% Full White or Split colour bar receive component signal, as shown below.  - Goes into service mode. - Push [1] or [2] key, and goes into adjustment mode for [CONTRAST]. Adjustment - The colour key yellow button of remote control is pushed. - The OSD character of sub-contrast becomes red. (Inside under automatic adjustment) - The OSD character of sub-contrast returns to black. When [NG] is displayed, adjustment failure. - End.	

Table1, Sub-contrast Adjstment initial data in Peaks EEPROM

06E0	Y Gain Standard for NTSC-G:RF (L)	Setting data
06E1	Y Gain Standard for NTSC-G:RF (H)	
06E2	Y Gain Standard for PAL-G:RF (L)	
06E3	Y Gain Standard for PAL-G:RF (H)	
06E4	Y Gain Standard for NTSC-G:ELSE (L)	
06E5	Y Gain Standard for NTSC-G:ELSE (H)	
06E6	Y Gain Standard for PAL-G:ELSE (L)	
06E7	Y Gain Standard for PAL-G:ELSE (H)	
06E8	Y Gain Standard for YUV (L)	
06E9	Y Gain Standard for YUV (H)	

10.1.3. White balance adjustment

The adjusting method is different according to the PEAKS EEPROM version.

[copy adjustment] : Peaks EEPROM ver.1.00-

[Differential and copy adjustment] : Peaks EEPROM ver.1.-**

Name of measuring instrument	Connection	Remarks
W/ B pattern Color analyzer (Minolta CA-100 or equivalent)	Panel surface	
Steps		Remarks
[copy adjustment] Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later. • Make sure the front panel to be used on the final set is fitted. • Make sure a color signal is not being shown before adjustment. • Put the color analyzer where there is little colour variation. Note: Copy Adjustment method in service mode. When you push [OK] key in each item, Adjustment data is copied between HD data and SD data.		Picture menu : Dynamic ASPECT : 16:9 Condition is same at alternative method too.
1. Enter the service mode. Please receive the Analog-RF. Or, please select CVBS/YUV/HDMI. (No inputting is possible.) (Forbid Analog-RF with no signal.) 2. A number key [1] or [2] are operated and [WB-ADJ] is displayed. Check that the color temp is [COOL]. 3. A number key [0] is operated and select [METHOD 01]. 4. A number key [5] is operated and [INNER PATTERN] is displayed. INNER PATTERN 5. Select [G-CUTOFF] item, using the number-key [3] or [4], and set to [80], using the volume-key [+] or [-]. Also, [B-CUTOFF] and [R-CUTOFF] set to [80]. 6. Set [G-DRIVE] at [D0]. 7. Touch the signal receiver of color analyzer to the INNER PATTERN center, and adjust B drive and R drive so x, y become the [COLOR TEMP COOL] in the below table1. 8. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].) 9. Set color temp to [NORMAL] using [7] key. 10. Fix G-CUTOFF, B-CUTOFF and R-CUTOFF at [80]. 11. Set [G-DRIVE] at [D0]. 12. Adjust B-DRIVE and R-DRIVE so the INNER PATTERN x, y become the [COLOR TEMP NORMAL] in the below table1. 13. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].) 14. Set color temp to [WARM] using [7] key. 15. Fix G-CUTOFF, B-CUTOFF and R-CUTOFF at [80]. 16. Set [G-DRIVE] at [D0]. 17. Adjust B-DRIVE and R-DRIVE so the INNER PATTERN x, y become the [COLOR TEMP WARM] in the below table1. 18. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].) 19. Confirm [METHOD=01]. Please refer table2-3 to address. Asking matter to execute white balance difference adjustment. Please feed back the DAC value in the adjusted each color temperature in an internal pattern.		METHOD=01 copy adjustments

Steps	Remarks
[Differential and copy adjustment] Execute adjustment for color temp. [NORMAL], and set data for color temp. [COOL], [WARM] by data shift WB of HD (or PAL) copies the adjustment data from an adjusted format side. Note: The adjustment does only color temp. [NORMAL]. A adjustment value difference from [NORMAL] is written to EEPROM as for [COOL] and [WARM] by operating a [OK] key. As for WB of HD (or RF), the adjustment data from an adjusted format side is copied simultaneously. Text color of the adjusted value changes into red → black at the same time too.	
1. Enter the service mode. Please receive the Analog-RF. Or, please select CVBS/YUV/HDMI. (No inputting is possible.) (Forbid Analog-RF with no signal.) 2. A number key [1] and [2] are operated and [WB-ADJ] is displayed. Check that the color temp is [NORMAL]. 3. A number key [0] is operated and select [METHOD 03]. 4. A number key [5] is operated and [INNER PATTERN] is displayed. INNER PATTERN 5. Select [G-CUTOFF] item, using the number-key [3] or [4], and set to [80], using the volume-key [+] or [-]. Also, [B-CUTOFF] and [R-CUTOFF] set to [80]. 6. Set [G-DRIVE] at [D0]. 7. Touch the signal receiver of color analyzer to the INNER PATTERN center, and adjust B drive and R drive so x, y become the [COLOR TEMP NORMAL] in the table 1. 8. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].) 9. A number key [0] is operated and select [METHOD=01]. Please refer table2-3 to address.	METHOD=03 Differential and copy adjustment

Table 1-1, Color temp. target value (This data is target data by CA-100 PAVCTH.)

COLOR TEMP	x	y
COOL	0.263	0.270
NORMAL	0.286	0.296
WARM	0.312	0.328

Table 1-2, Color temp. target value (This data is target data by CS-2000 PAVCTH.)

COLOR TEMP	x	y
COOL	0.267	0.269
NORMAL	0.288	0.296
WARM	0.313	0.329

Table 2, Peaks EEP addresses (adjustment data)

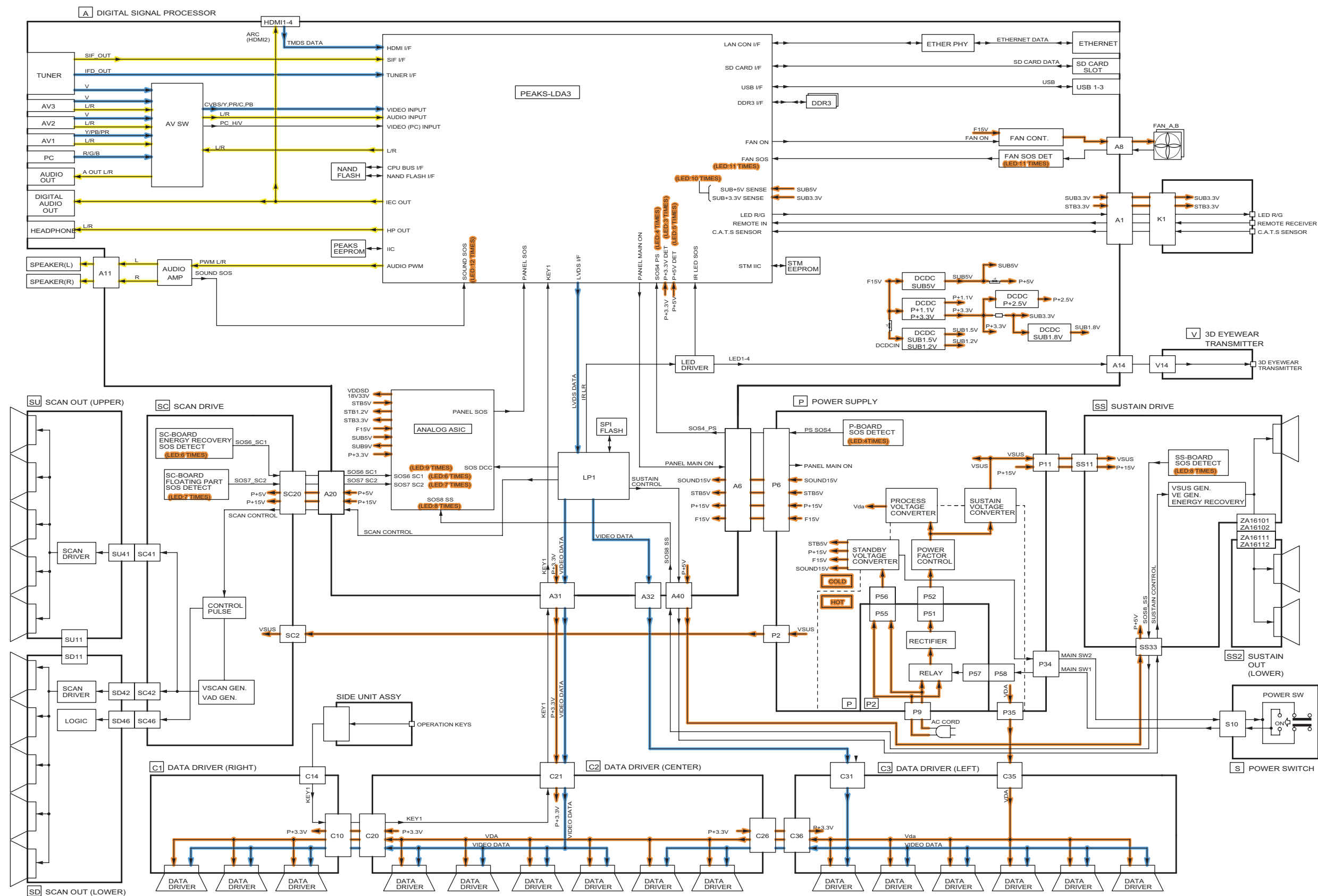
signal / temp	Meaning of value	address
SD High	R-Cutoff for SD High	A0-070c
	G-Cutoff for SD High	A0-070d
	B-Cutoff for SD High	A0-070e
	R-Drive for SD High	A0-070f
	G-Drive for SD High	A0-0710
	B-Drive for SD High	A0-0711
SD Middle	R-Cutoff for SD Middle	A0-0712
	G-Cutoff for SD Middle	A0-0713
	B-Cutoff for SD Middle	A0-0714
	R-Drive for SD Middle	A0-0715
	G-Drive for SD Middle	A0-0716
	B-Drive for SD Middle	A0-0717
SD Low	R-Cutoff for SD Low	A0-0718
	G-Cutoff for SD Low	A0-0719
	B-Cutoff for SD Low	A0-071a
	R-Drive for SD Low	A0-071b
	G-Drive for SD Low	A0-071c
	B-Drive for SD Low	A0-071d
HD High	R-Cutoff for HD High	A0-071e
	G-Cutoff for HD High	A0-071f
	B-Cutoff for HD High	A0-0720
	R-Drive for HD High	A0-0721
	G-Drive for HD High	A0-0722
	B-Drive for HD High	A0-0723
HD Middle	R-Cutoff for HD Middle	A0-0724
	G-Cutoff for HD Middle	A0-0725
	B-Cutoff for HD Middle	A0-0726
	R-Drive for HD Middle	A0-0727
	G-Drive for HD Middle	A0-0728
	B-Drive for HD Middle	A0-0729
HD Low	R-Cutoff for HD Low	A0-072a
	G-Cutoff for HD Low	A0-072b
	B-Cutoff for HD Low	A0-072c
	R-Drive for HD Low	A0-072d
	G-Drive for HD Low	A0-072e
	B-Drive for HD Low	A0-072f

Table 3, Peaks EEP addresses (DIFF setting)

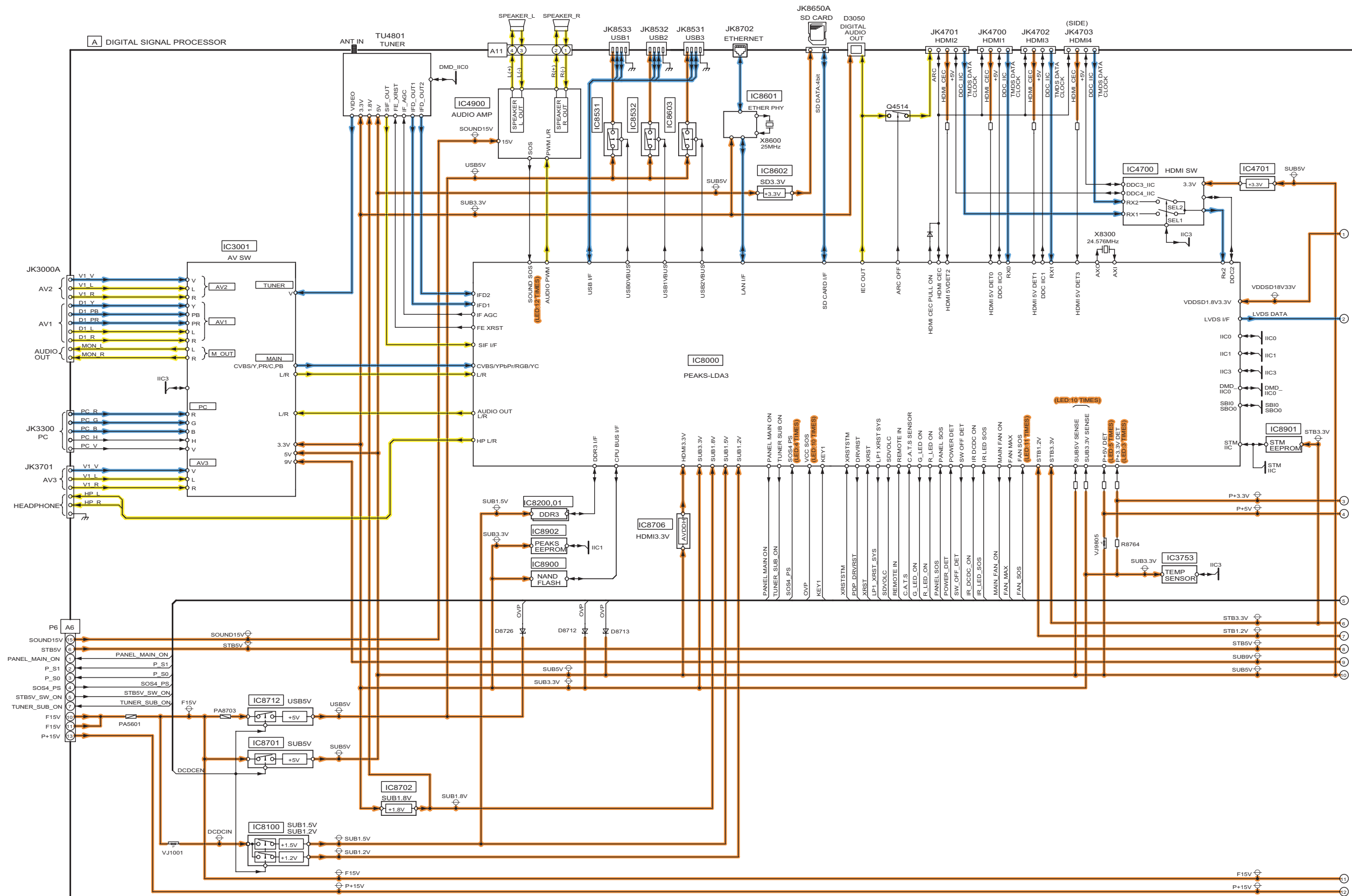
signal / temp	Meaning of value	address
SD High	R-Cutoff difference for SD High	A0-0730
	G-Cutoff difference for SD High	A0-0731
	B-Cutoff difference for SD High	A0-0732
	R-Drive difference for SD High	A0-0733
	G-Drive difference for SD High	A0-0734
	B-Drive difference for SD High	A0-0735
SD Middle	R-Cutoff difference for SD Middle	A0-0736
	G-Cutoff difference for SD Middle	A0-0737
	B-Cutoff difference for SD Middle	A0-0738
	R-Drive difference for SD Middle	A0-0739
	G-Drive difference for SD Middle	A0-073a
	B-Drive difference for SD Middle	A0-073b
SD Low	R-Cutoff difference for SD Low	A0-073c
	G-Cutoff difference for SD Low	A0-073d
	B-Cutoff difference for SD Low	A0-073e
	R-Drive difference for SD Low	A0-073f
	G-Drive difference for SD Low	A0-0740
	B-Drive difference for SD Low	A0-0741
HD High	R-Cutoff difference for HD High	A0-0742
	G-Cutoff difference for HD High	A0-0743
	B-Cutoff difference for HD High	A0-0744
	R-Drive difference for HD High	A0-0745
	G-Drive difference for HD High	A0-0746
	B-Drive difference for HD High	A0-0747
HD Middle	R-Cutoff difference for HD Middle	A0-0748
	G-Cutoff difference for HD Middle	A0-0749
	B-Cutoff difference for HD Middle	A0-074a
	R-Drive difference for HD Middle	A0-074b
	G-Drive difference for HD Middle	A0-074c
	B-Drive difference for HD Middle	A0-074d
HD Low	R-Cutoff difference for HD Low	A0-074e
	G-Cutoff difference for HD Low	A0-074f
	B-Cutoff difference for HD Low	A0-0750
	R-Drive difference for HD Low	A0-0751
	G-Drive difference for HD Low	A0-0752
	B-Drive difference for HD Low	A0-0753

11 Block Diagram

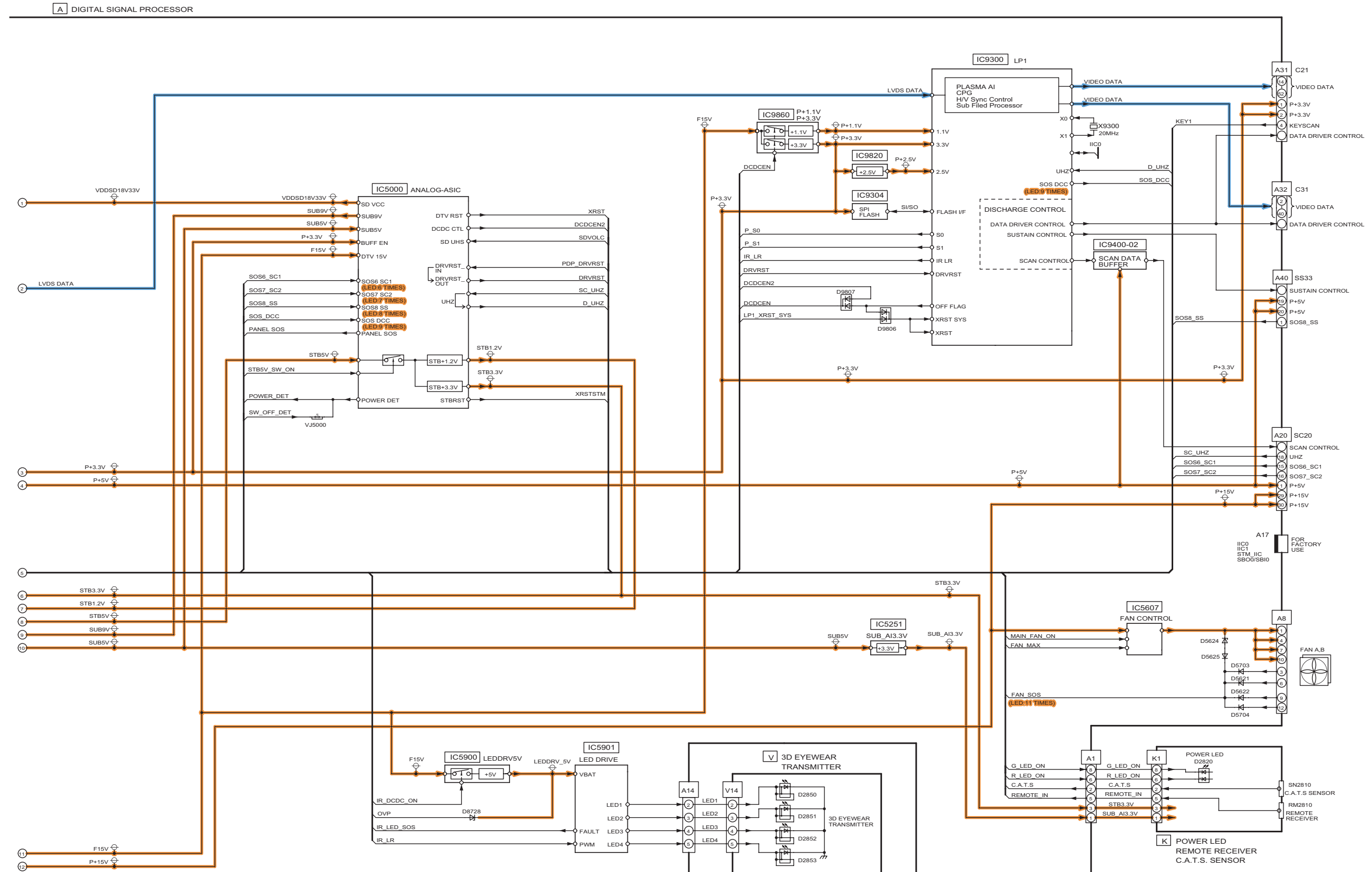
11.1. Main Block Diagram



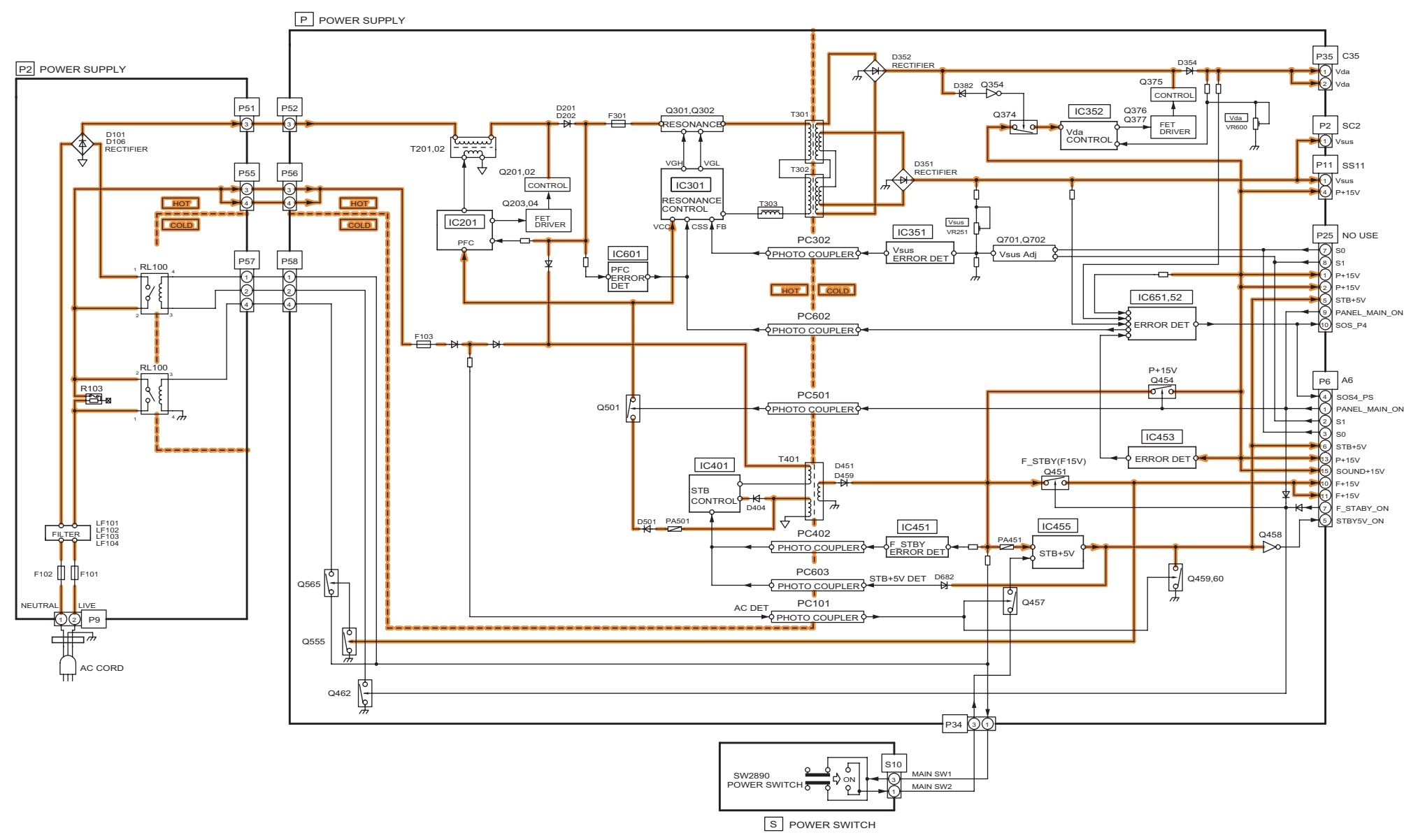
11.2. Block (1/4) Diagram



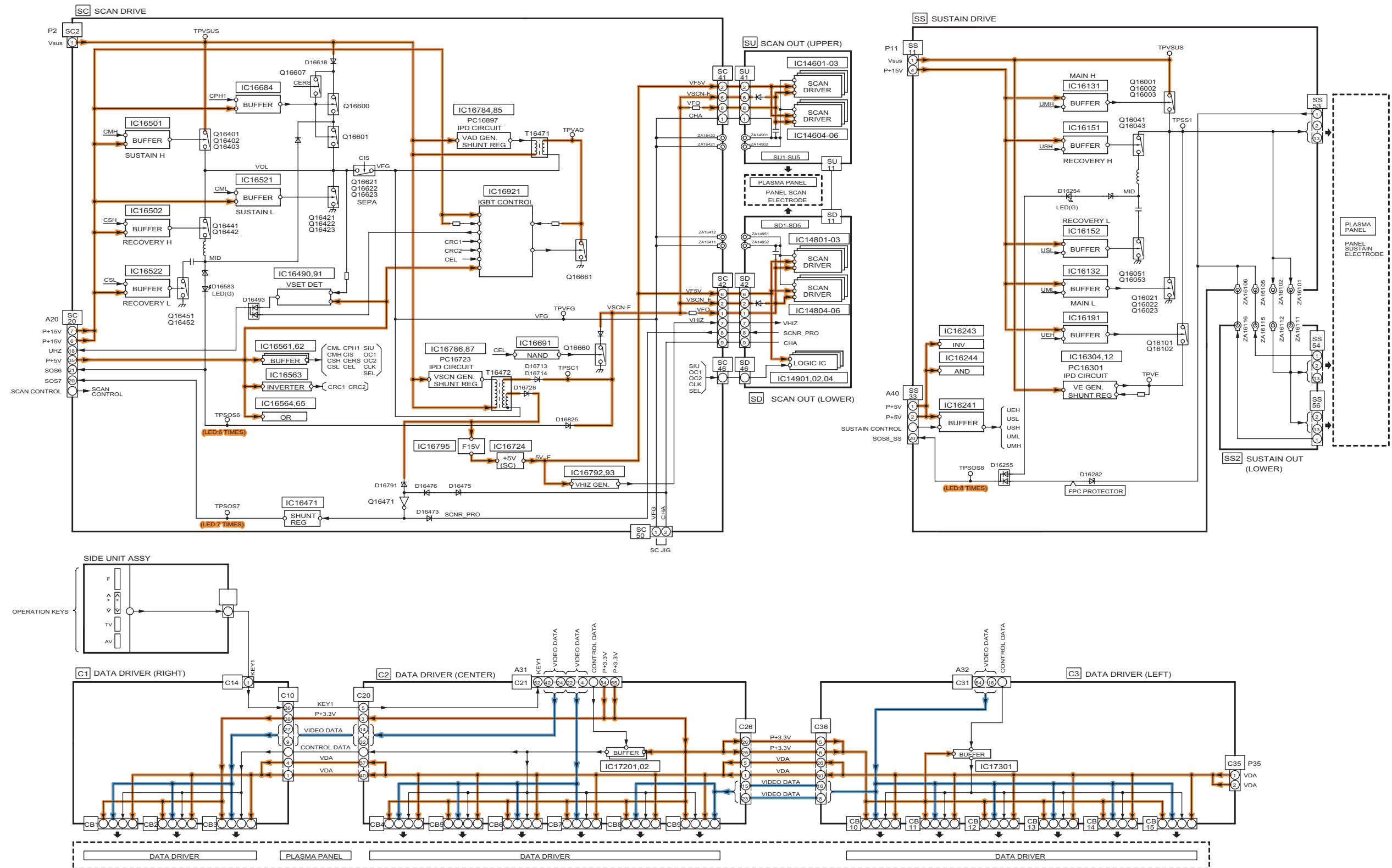
11.3. Block (2/4) Diagram



11.4. Block (3/4) Diagram



11.5. Block (4/4) Diagram



12 Wiring Connection Diagram

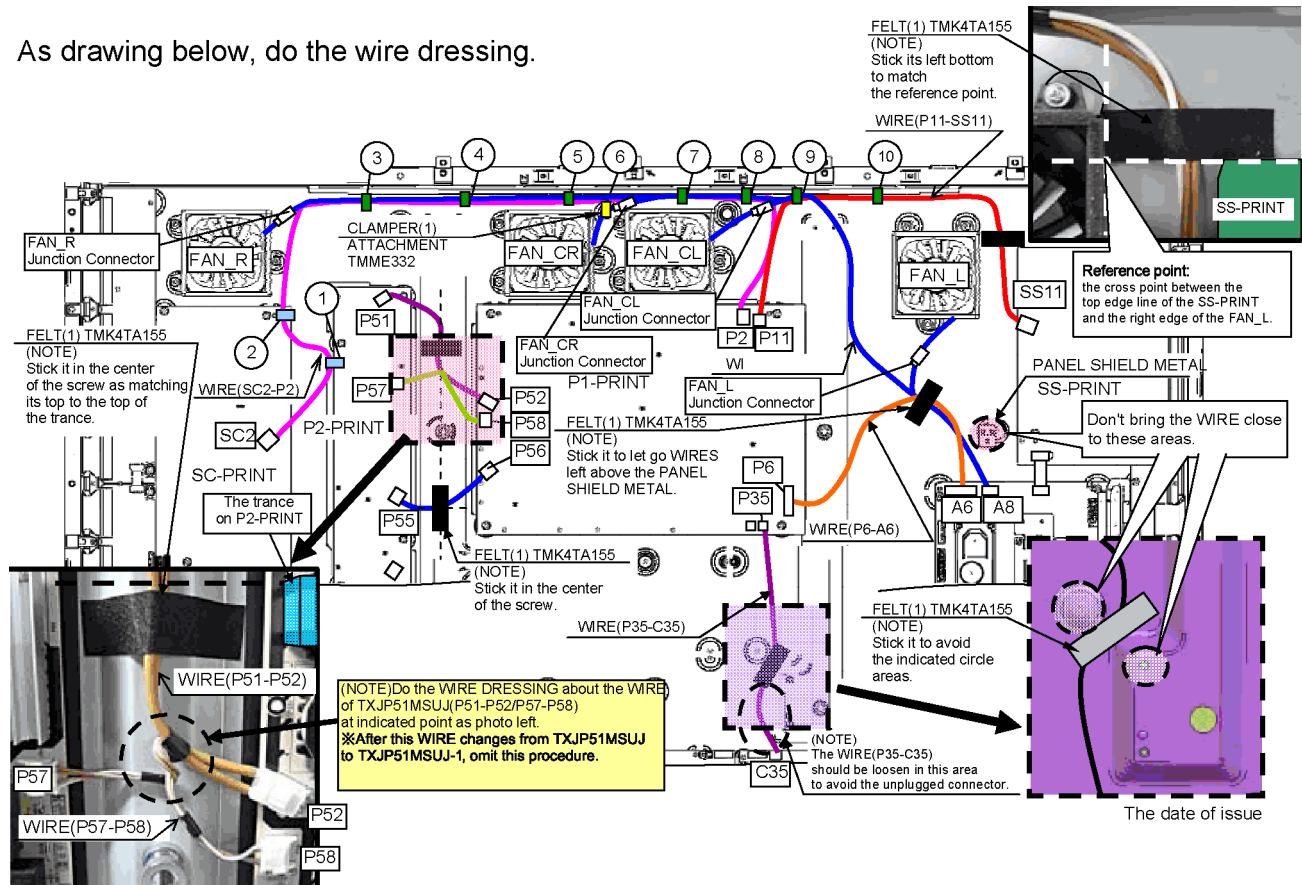
12.1. Caution statement.

Caution:

Please confirm that all flexible cables are assembled correctly.
Also make sure that they are locked in the connectors.
Verify by giving the flexible cables a very slight pull.

12.2. Wiring (1)

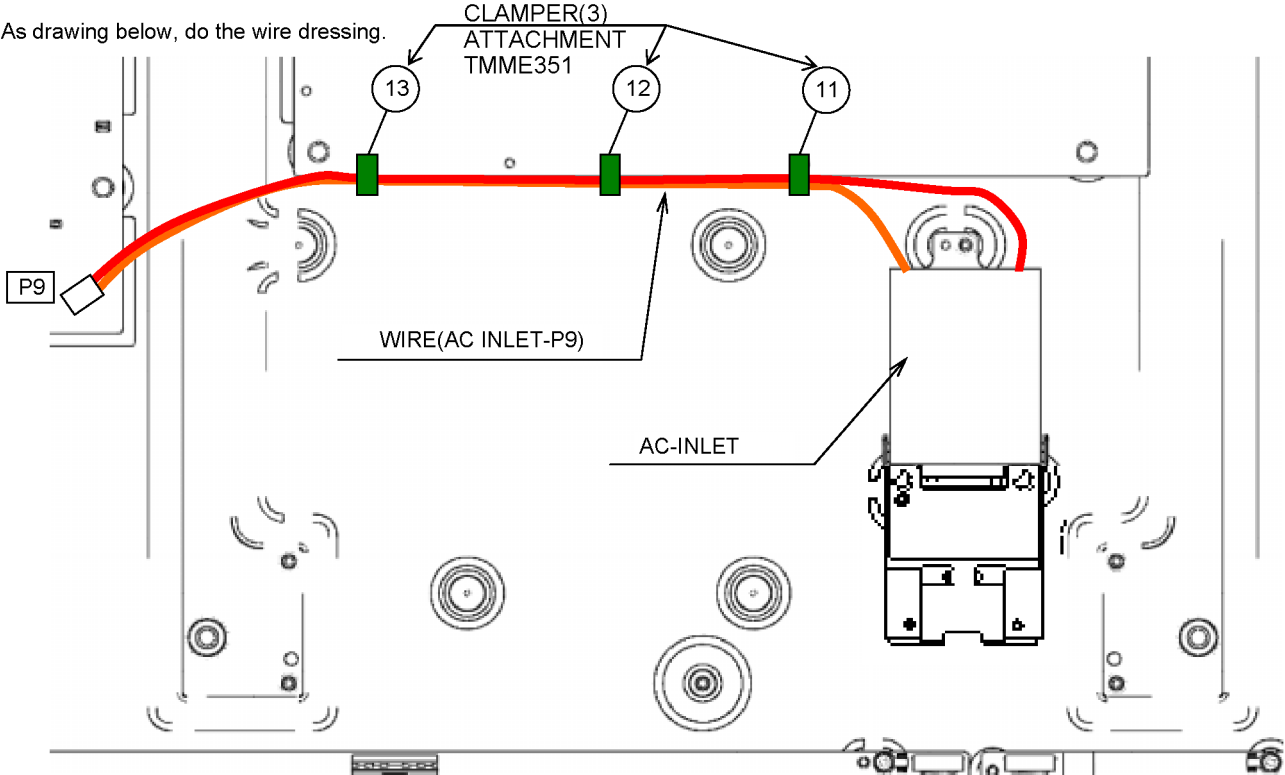
As drawing below, do the wire dressing.



CONNECTOR No. and NAME		CLAMPER No.									
		1	2	3	4	5	6	7	8	9	10
P2	SC2	○	○	○	○	○		○	○		
P11	SS11									○	○
P35	C35										
A6	P6										
A8	FAN_R			○	○	○		○	○	○	
	FAN_CR						○	○	○	○	
	FAN_CL										○
	FAN_L										
P51	P52										
P57	P58										
P55	P56										

12.3. Wiring (2)

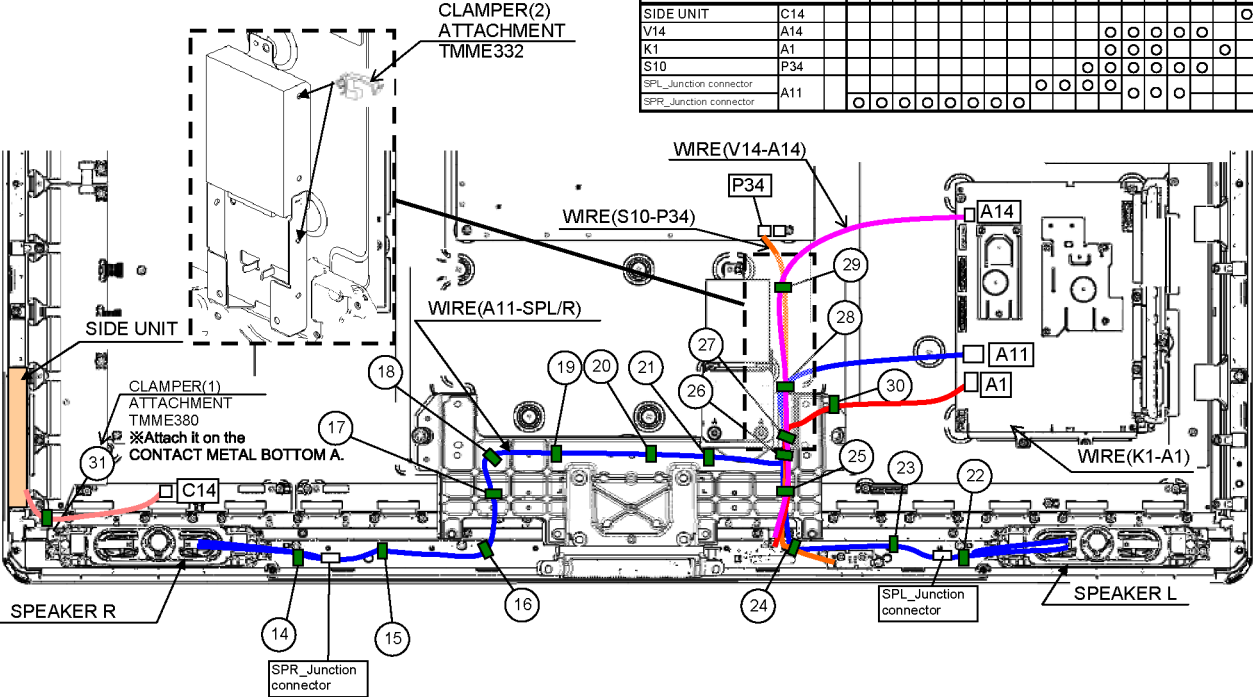
CONNECTOR No. and NAME		CLAMPER No.									
		11	12	13							
AC INLET	P9	○	○	○							



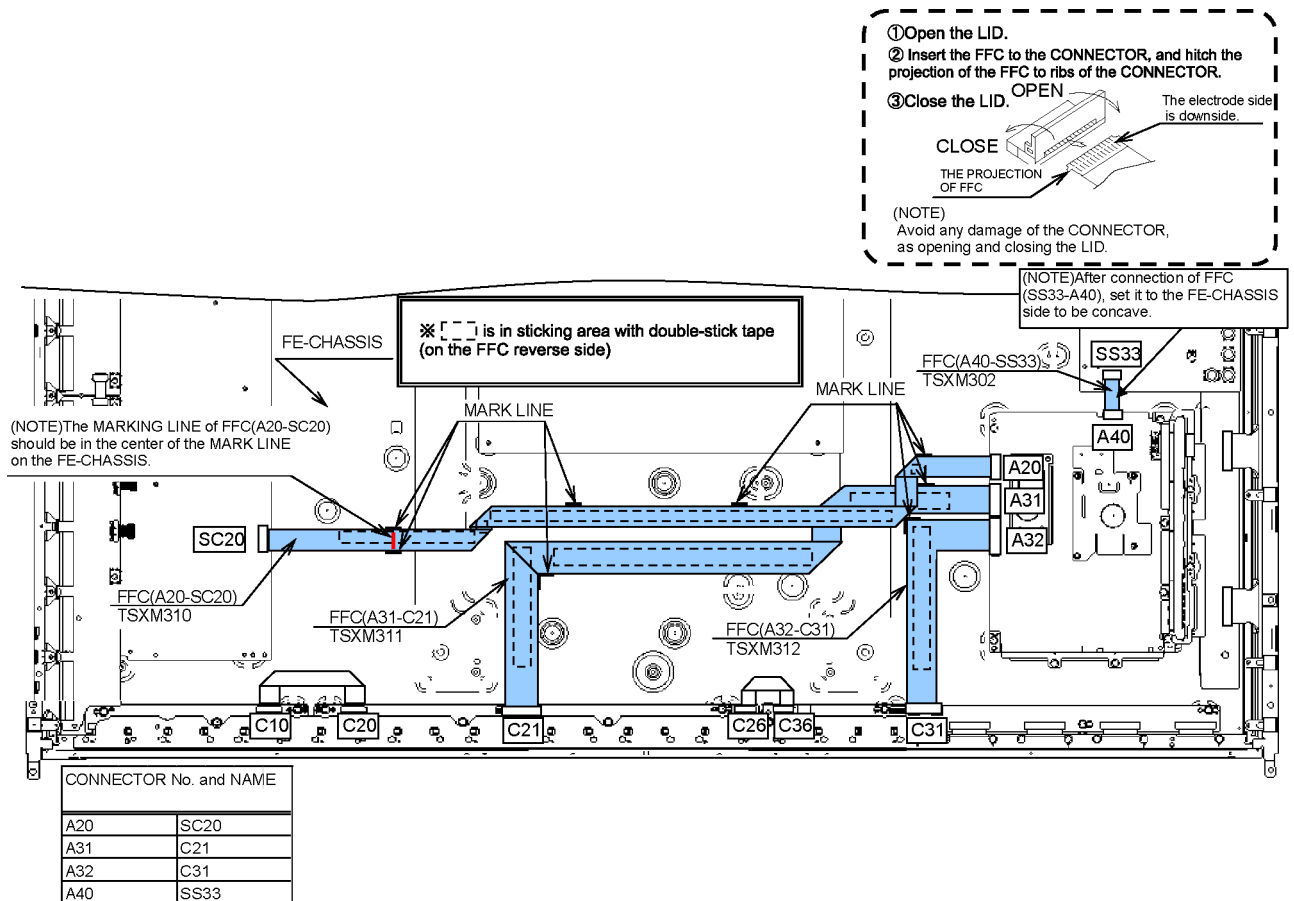
12.4. Wiring (3)

As drawing below, do the wire dressing.

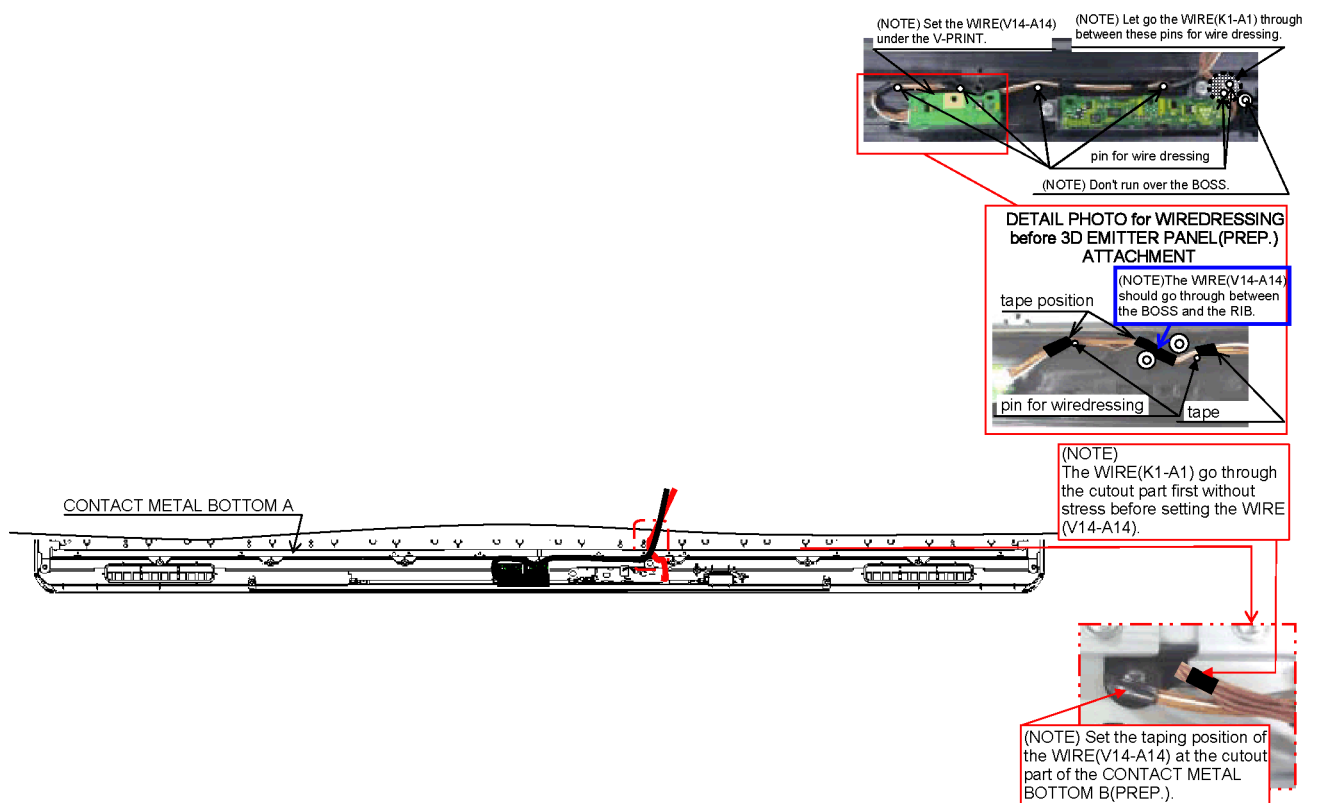
CONNECTOR No. and NAME		CLAMPER No.																
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
SIDE UNIT	C14																	
V14	A14																	
K1	A1																	
S10	P34																	
SPL_Junction connector																		
SPR_Junction connector	A11																	



12.5. Wiring (4)



12.6. Wiring (5)



Notes:

1. **Resistor**
Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
Unit of capacitance is μ F, unless otherwise noted.
3. **Coil**
Unit of inductance is H, unless otherwise noted.
4. **Test Point**
 : Test Point position
5. **Earth Symbol**
 : Chassis Earth (Cold)  : Line Earth (Hot)
6. **Voltage Measurement**
Voltage is measured by a DC voltmeter.
Conditions of the measurement are the following:
Power Source AC 220-240V, 50/60Hz
Receiving Signal Colour Bar signal (RF)
All customer's controls Maximum positions
7. When arrow mark () is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow. : Video  Audio 
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

Notice: Use the parts number indicated on the Replacement parts List.

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.
All circuits, except the Power Circuit, are cold.
Precautions
 - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
 - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
 - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
 - d. Make sure to disconnect the power plug before removing the chassis.

Model No. : TH-P50ST30A/Z Replacement Parts List Note

Note: All parts except parts mentioned [PAVCTH] in the Remarks column are supplied by AVC-CSPC.
Parts mentioned [PAVCTH] are supplied by PAVCTH.

Notice: Be sure to make your orders of replacement parts according to this list.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.
After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.
After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W
Type Allowance

2. Capacitor

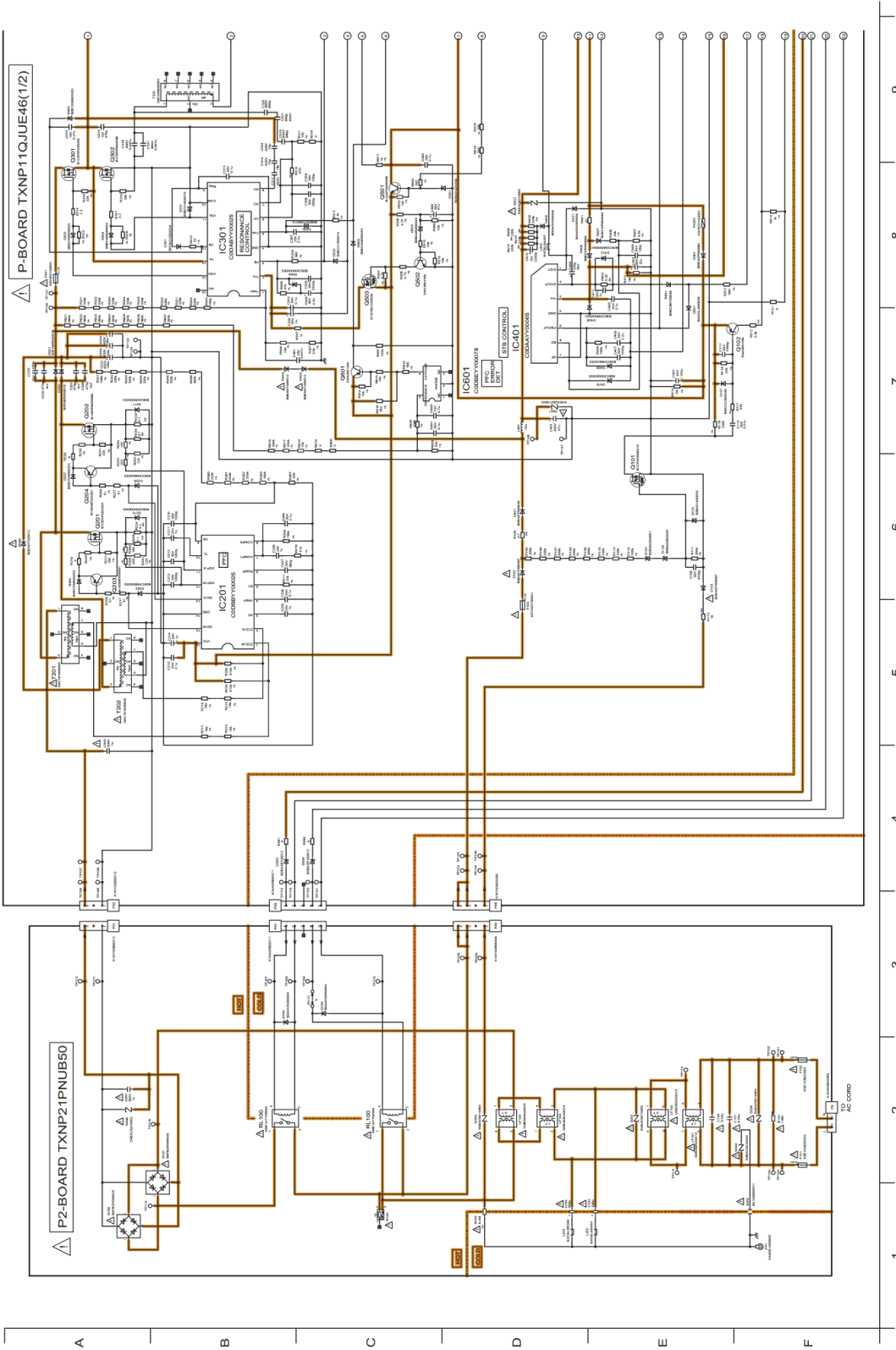
Example:

ECKF1H103ZF C 0.01UF, Z, 50V
Type Allowance

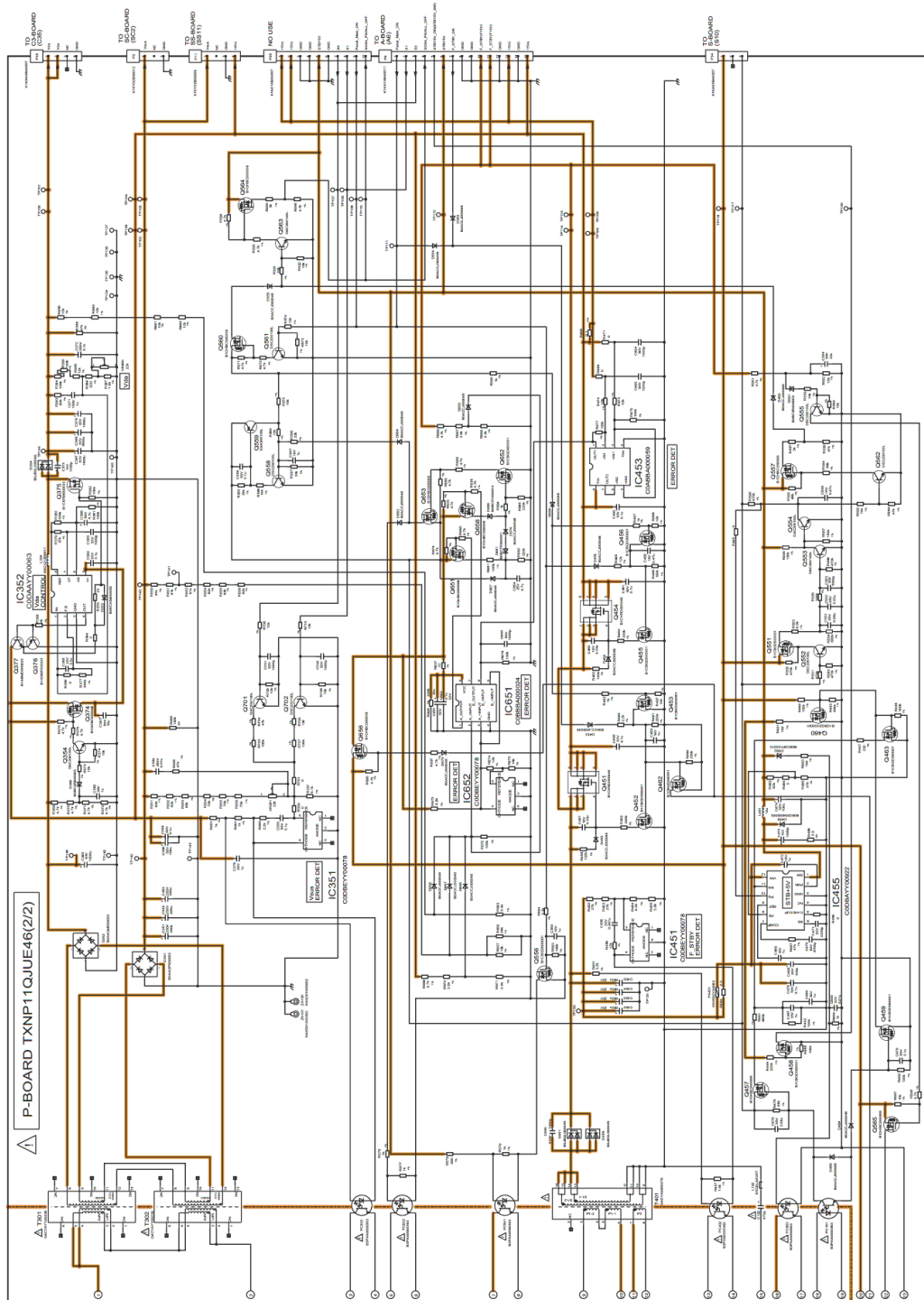
Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide	J : ±5%
Metal Film	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester	F : ±1pF
Polypropylene	G : ±3pF
T : Tantalum	J : ±5pF
	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

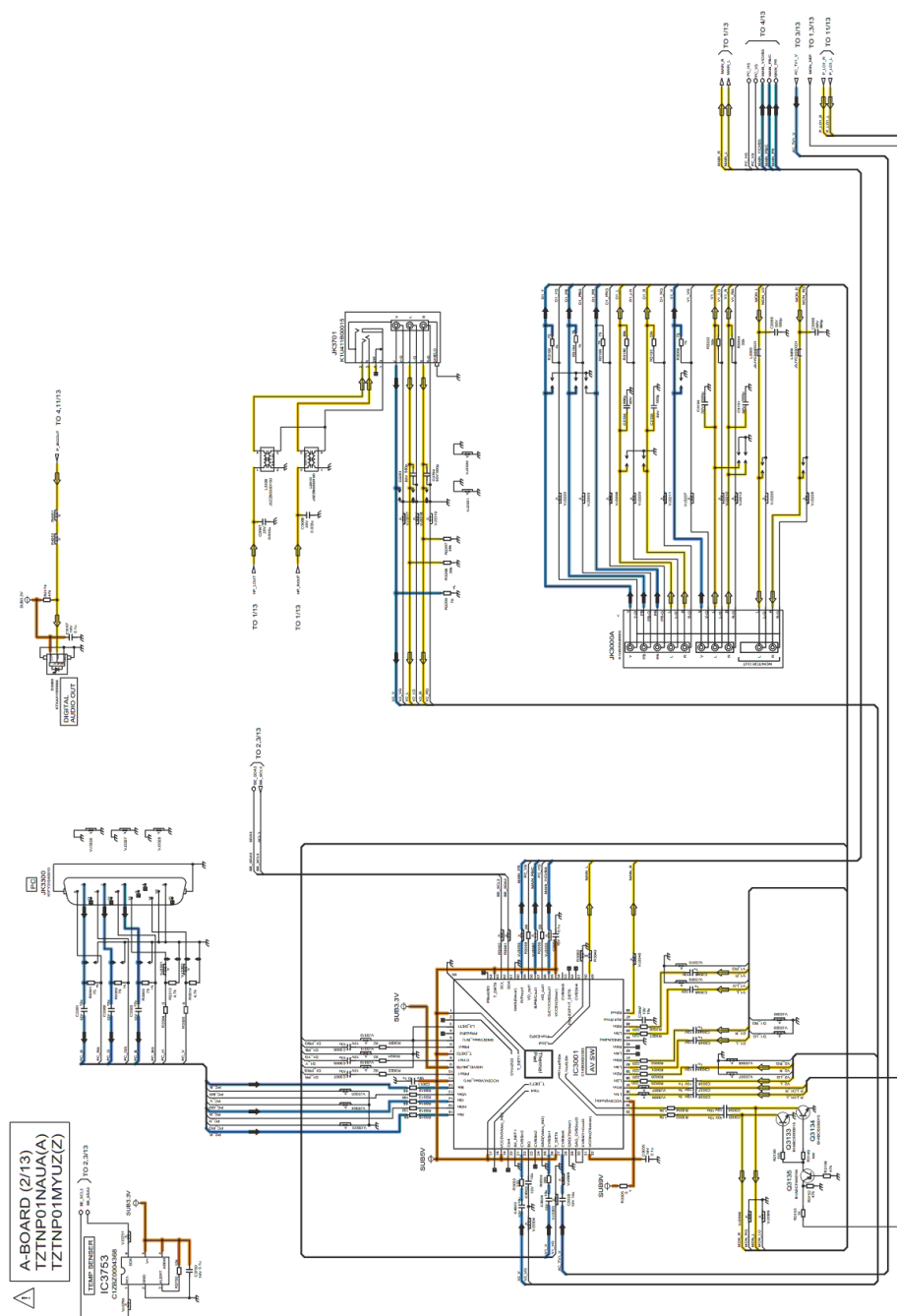
Model No. : TH-P50ST30A/Z P-Board (1/2) and P2-Board

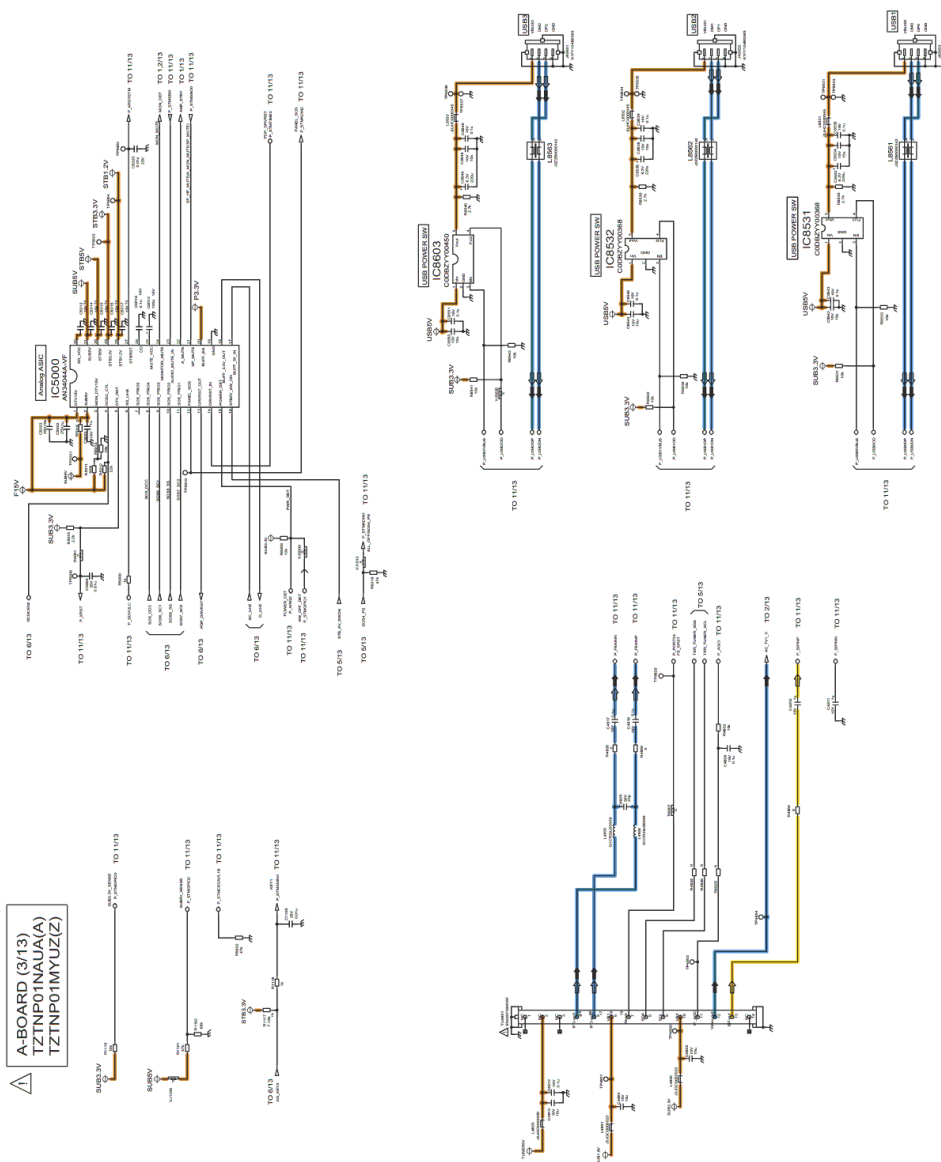


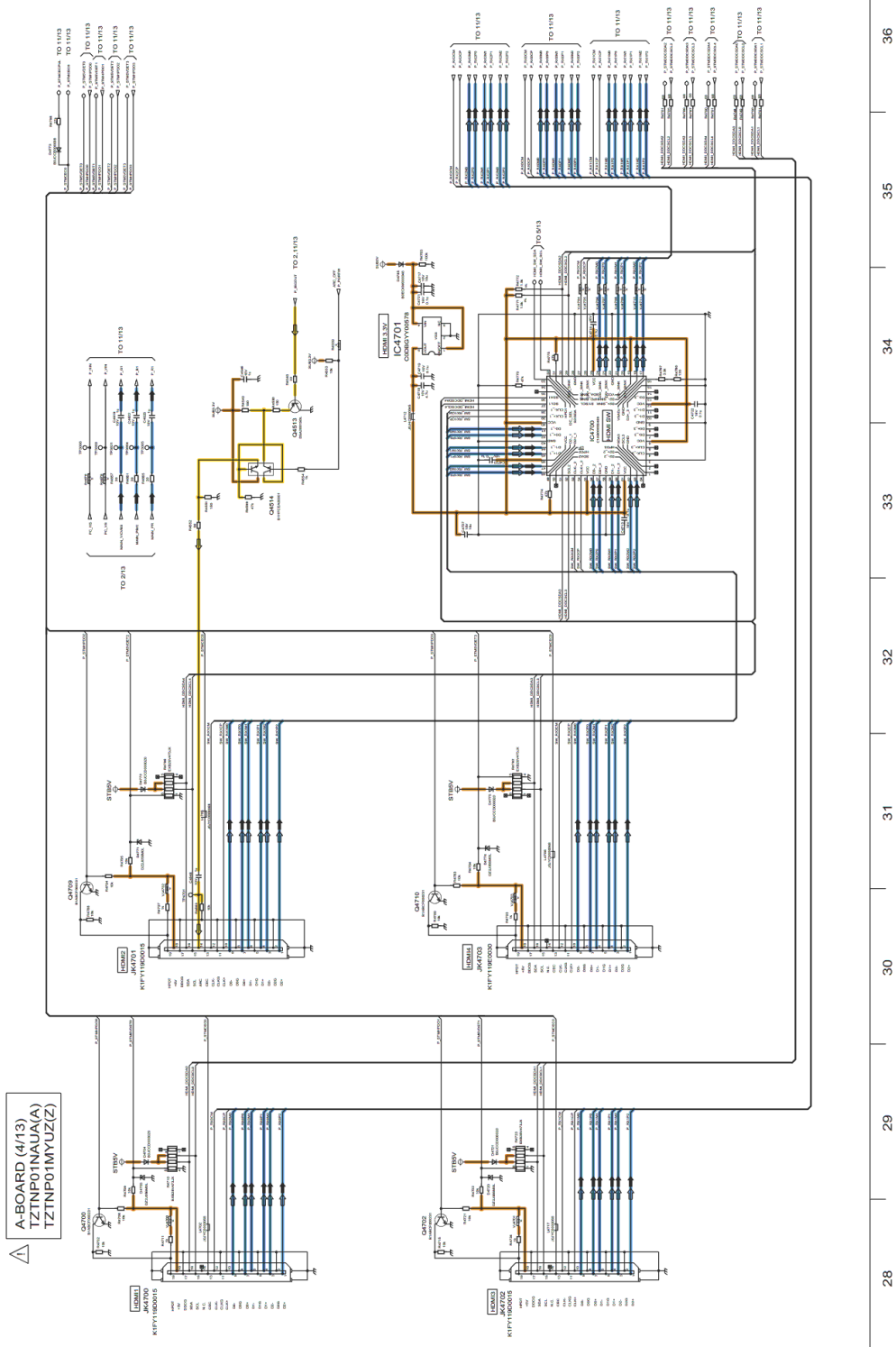
Model No. : TH-P50ST30A/Z P-Board (2/2)

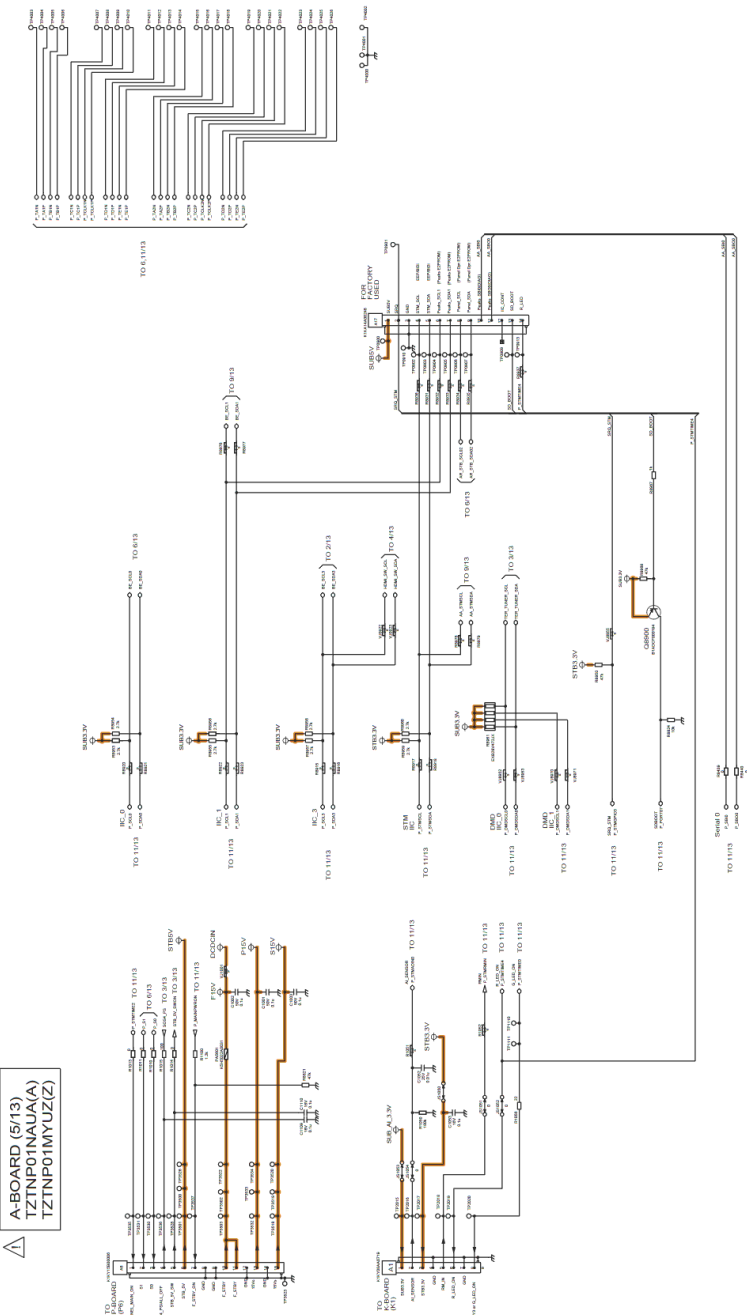


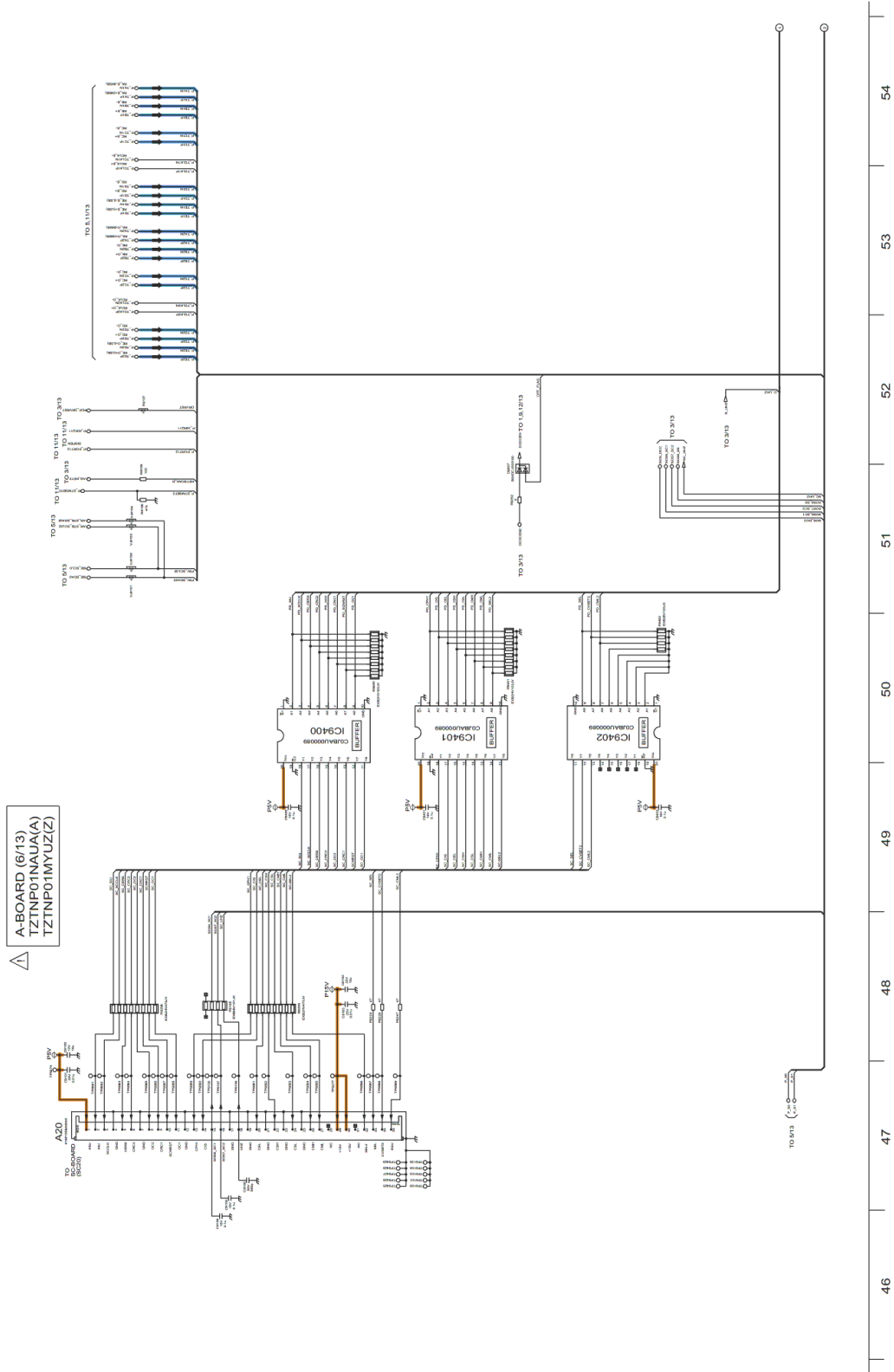


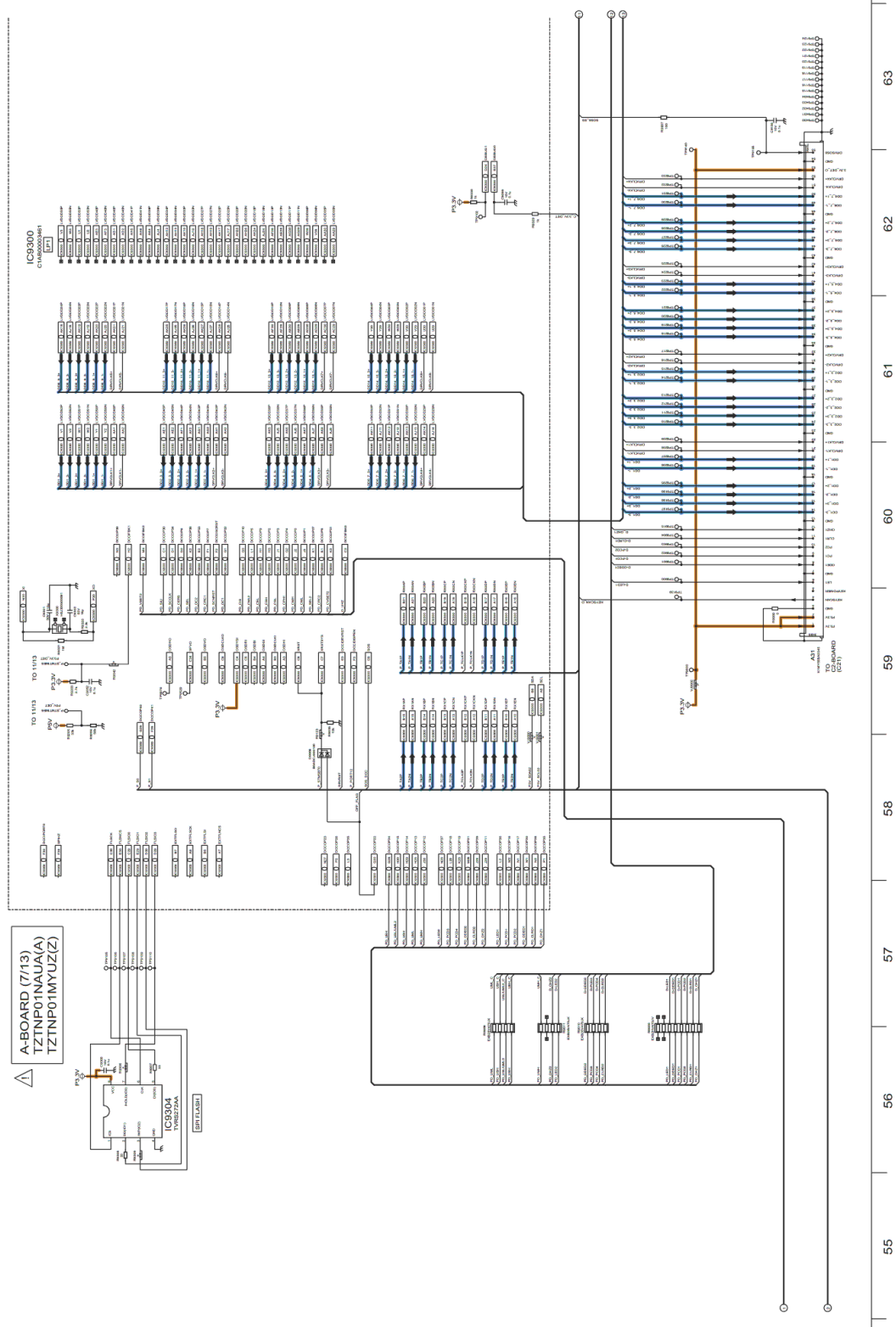


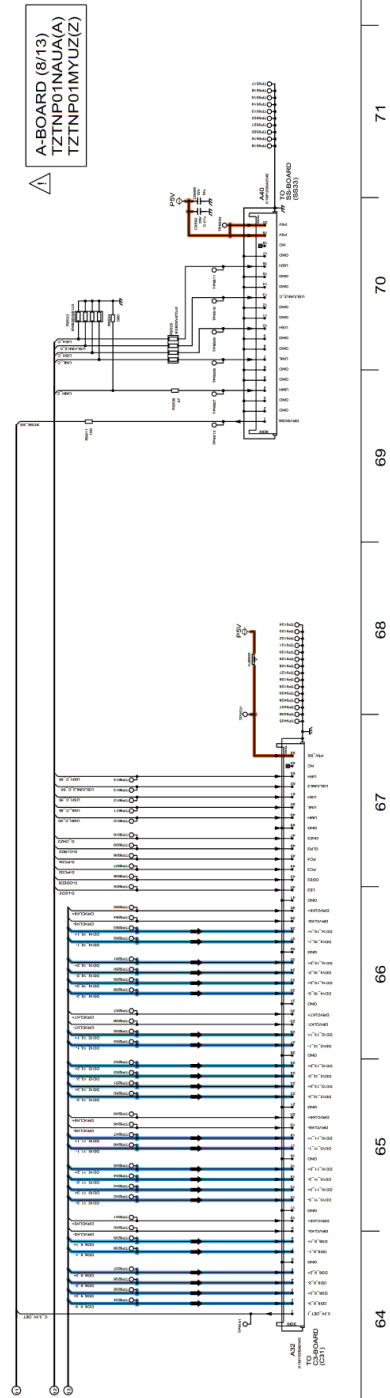
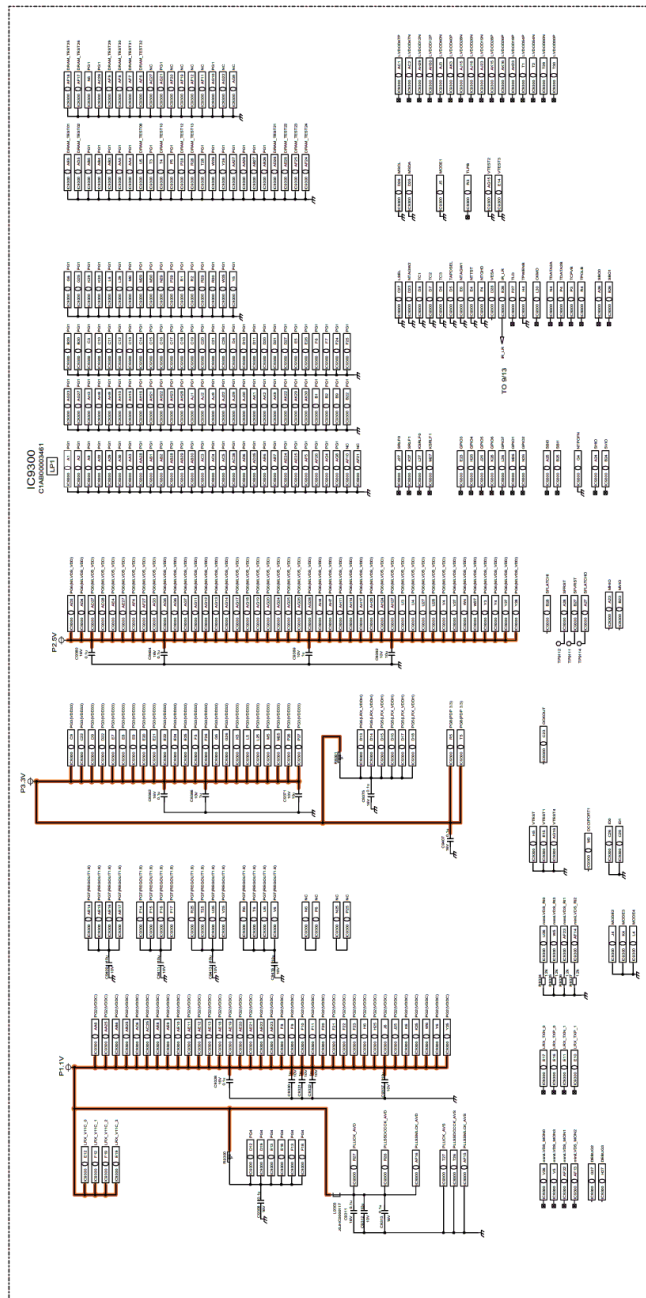


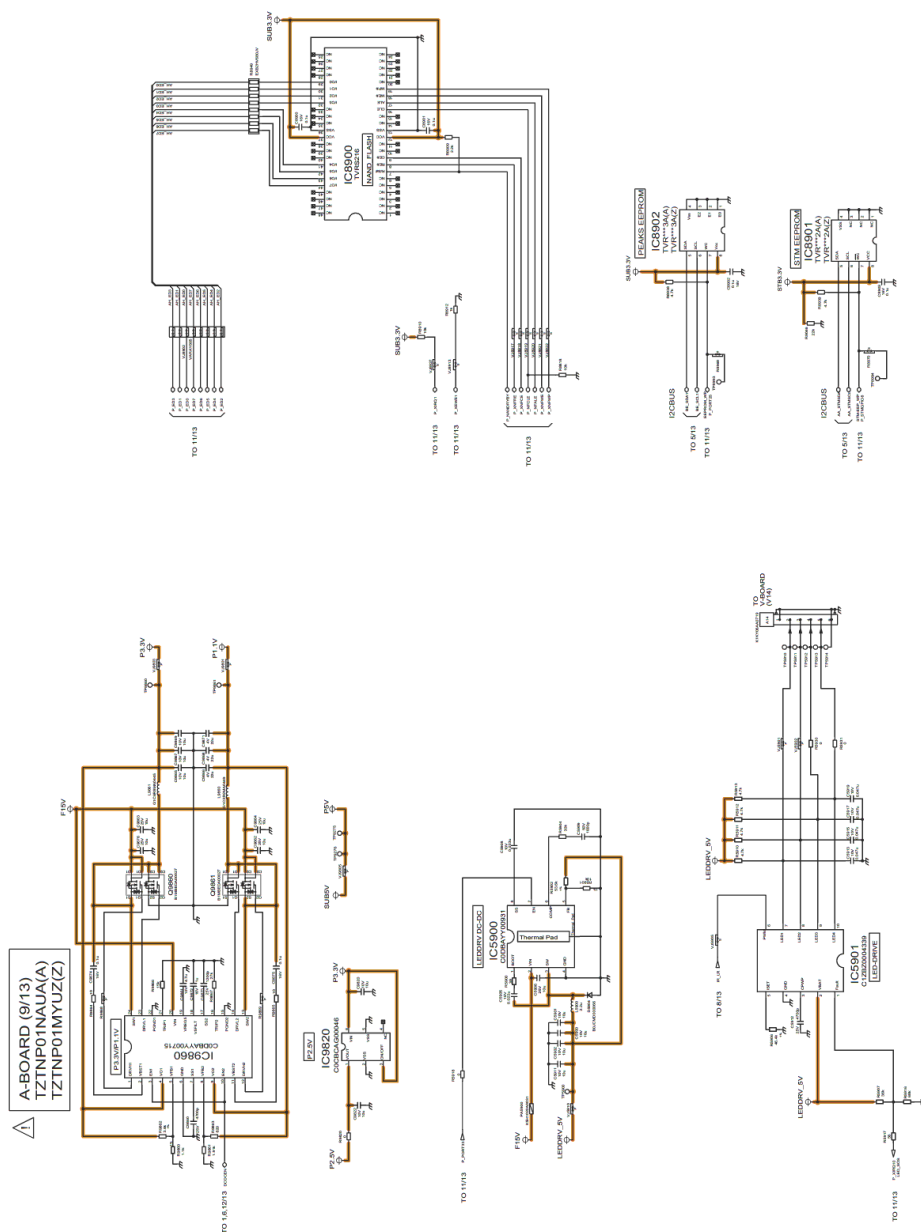


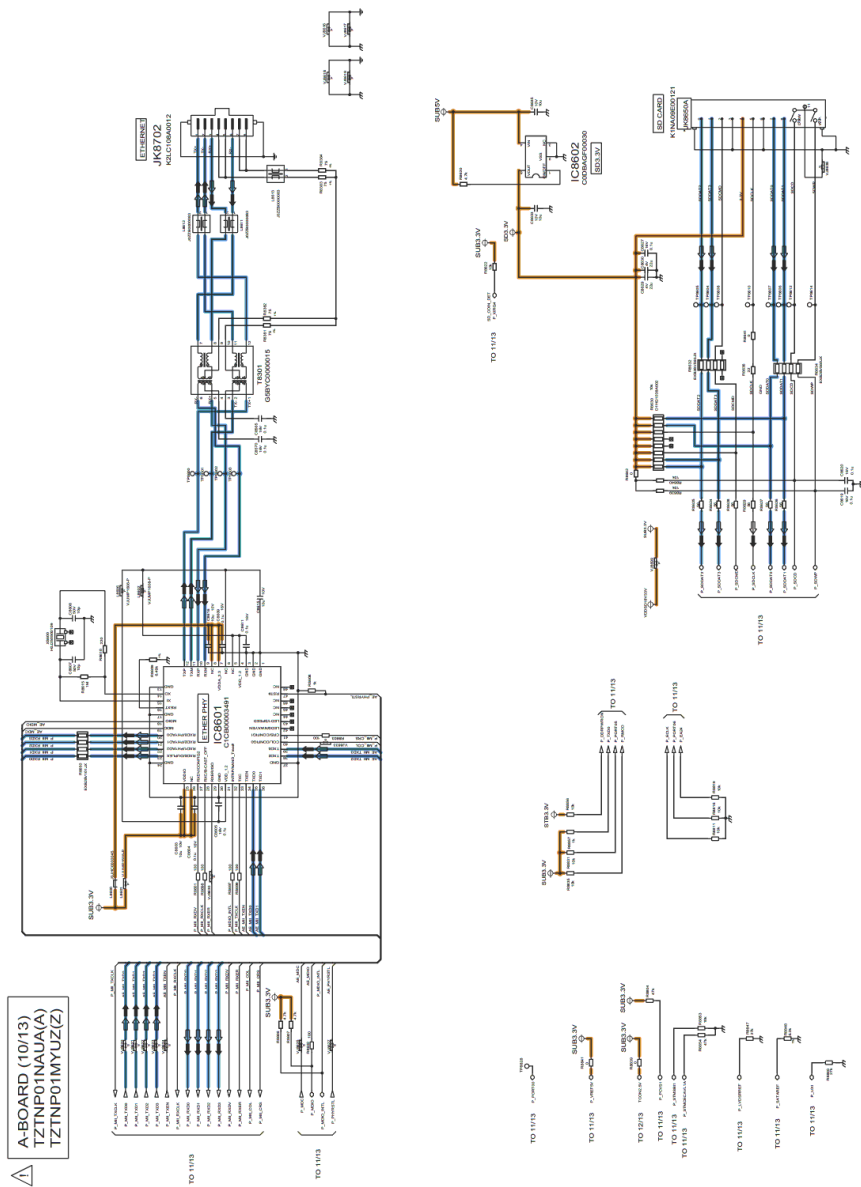












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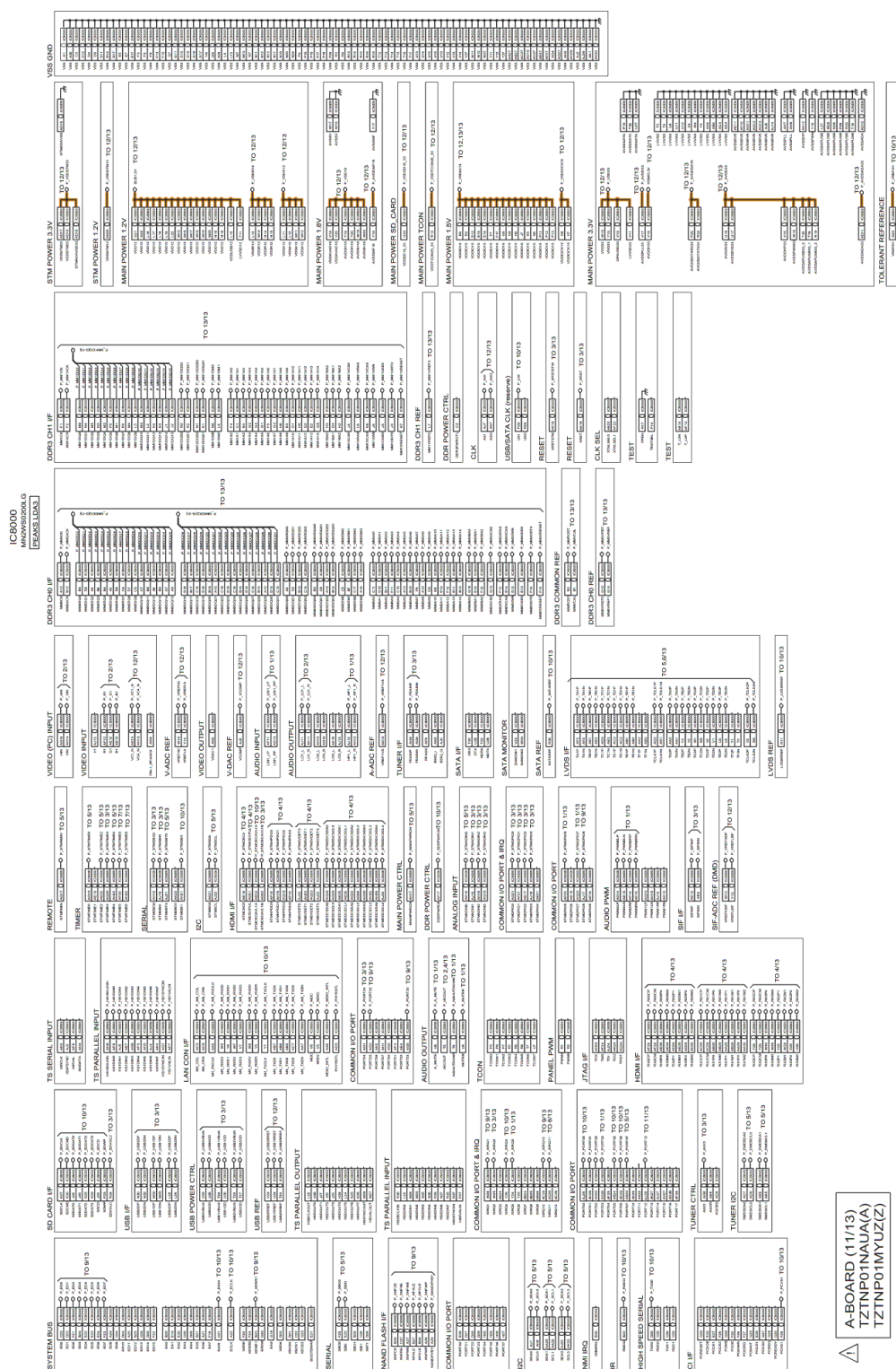
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84

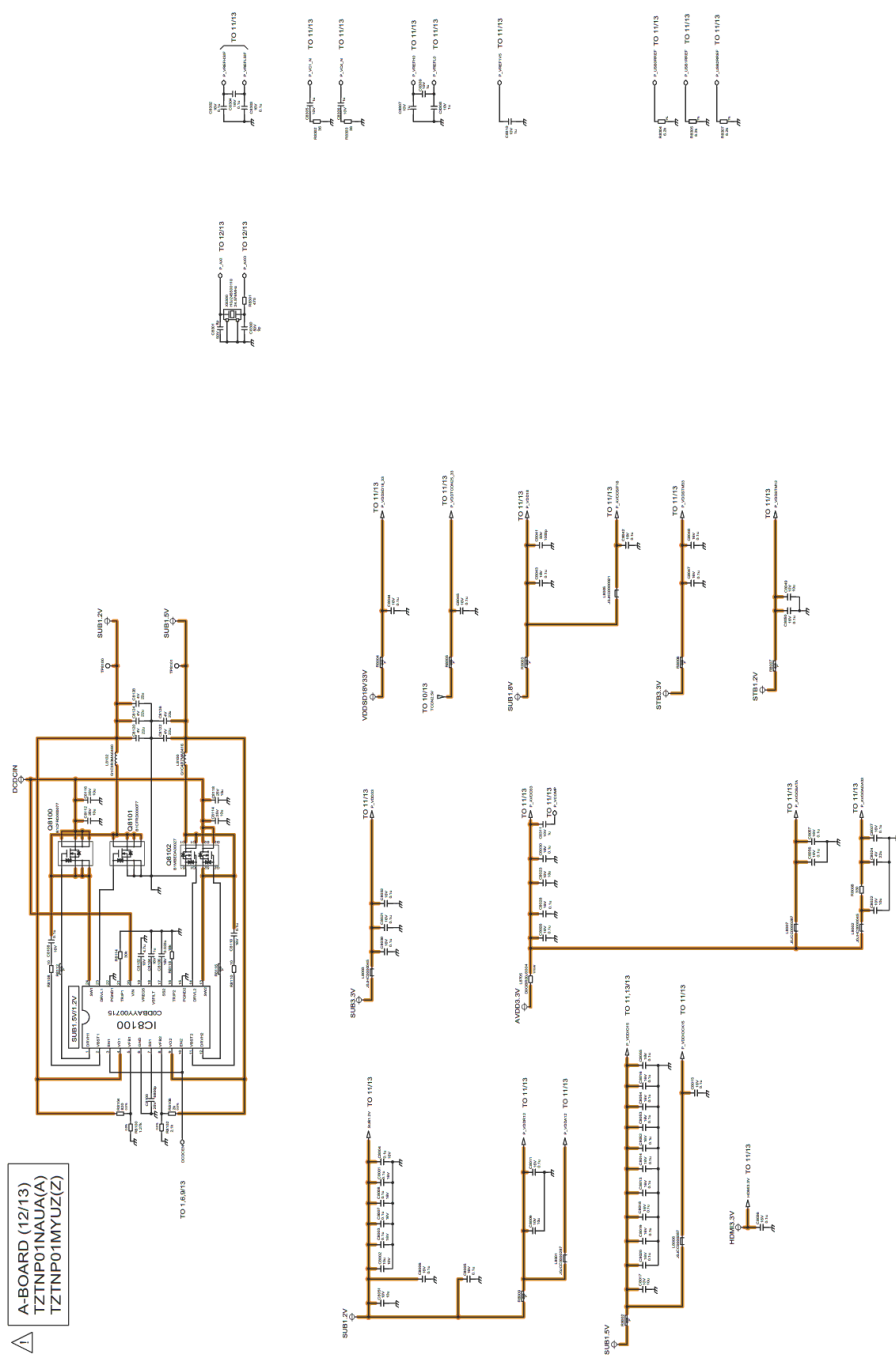
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82

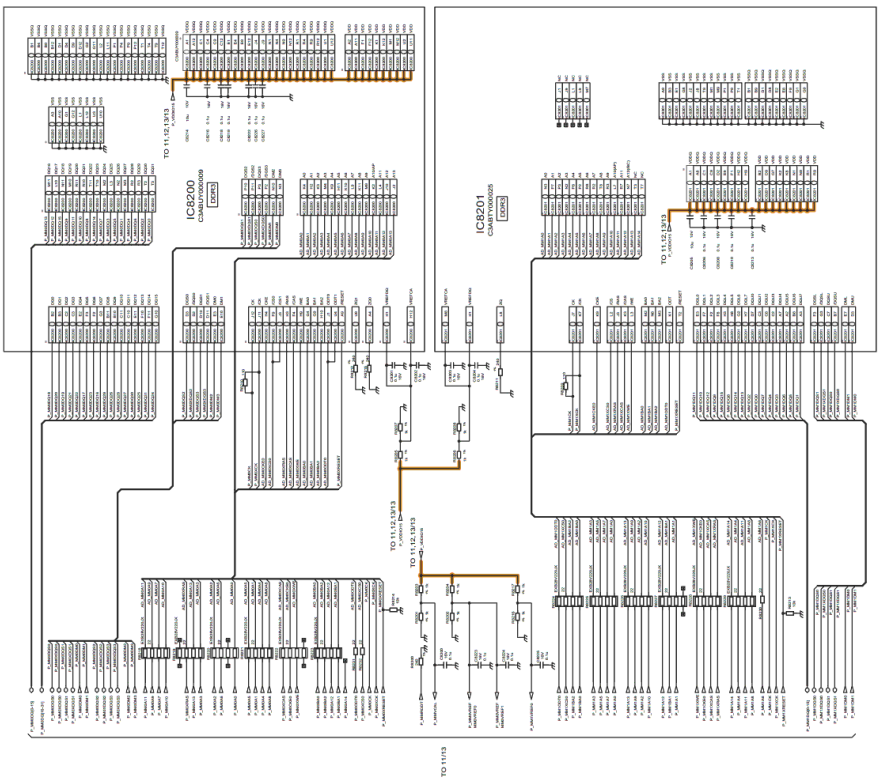
Model No. : TH-P50ST30A/Z A-Board (11/13)



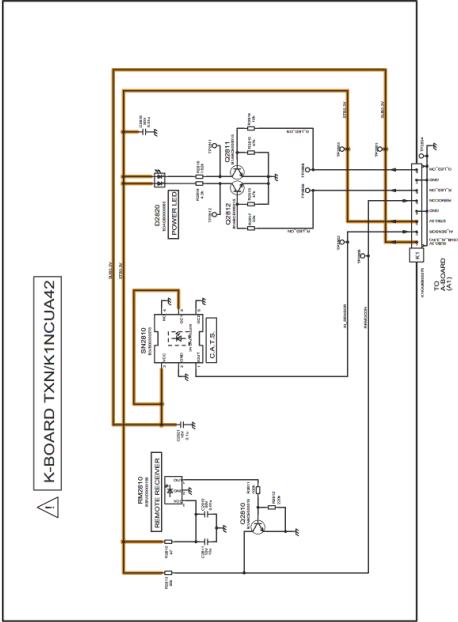
Model No. : TH-P50ST30A/Z A-Board (12/13)



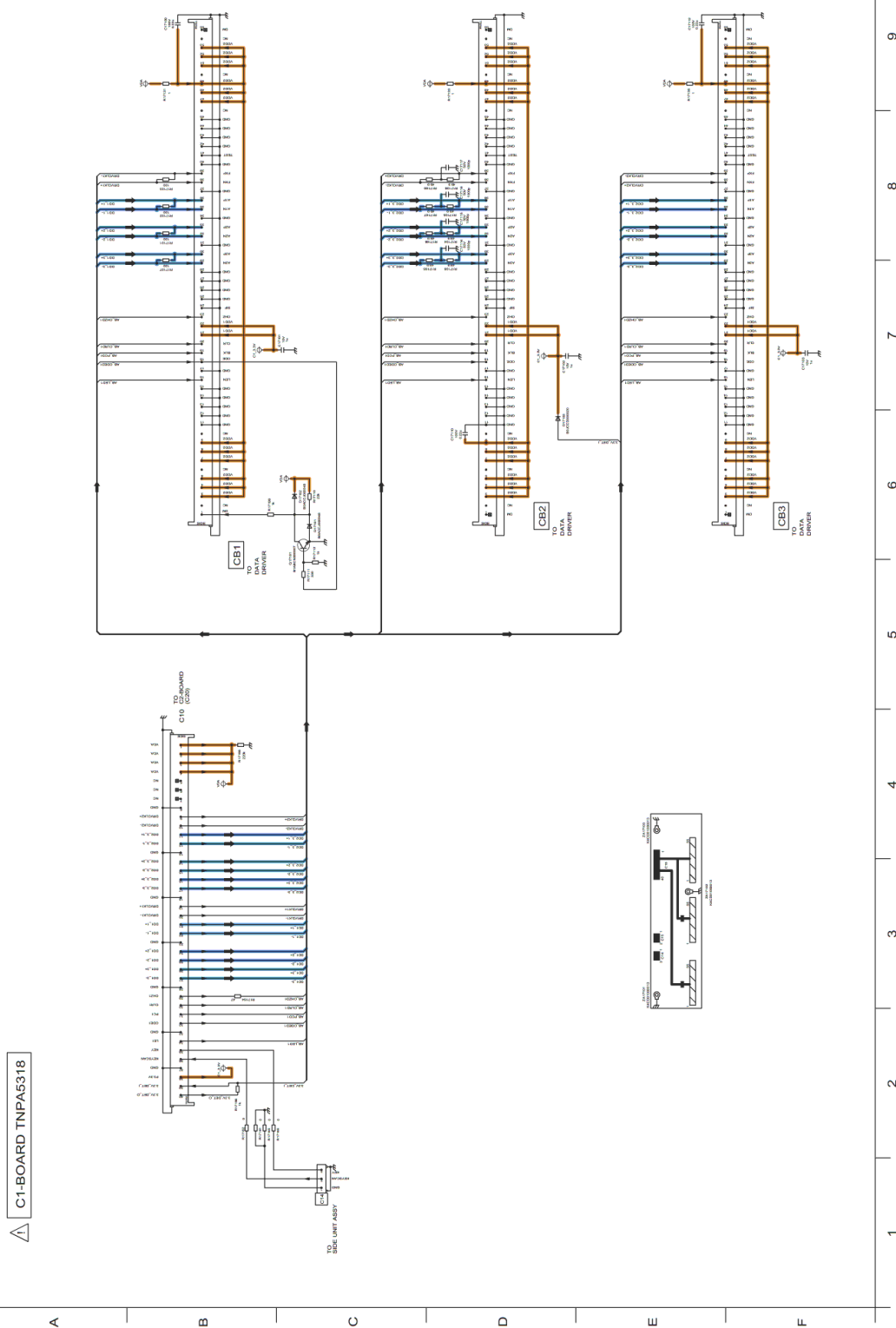
A-BOARD (13/13)
TZTNP01NAUA(A)
TZTNP01MYUZ(Z)



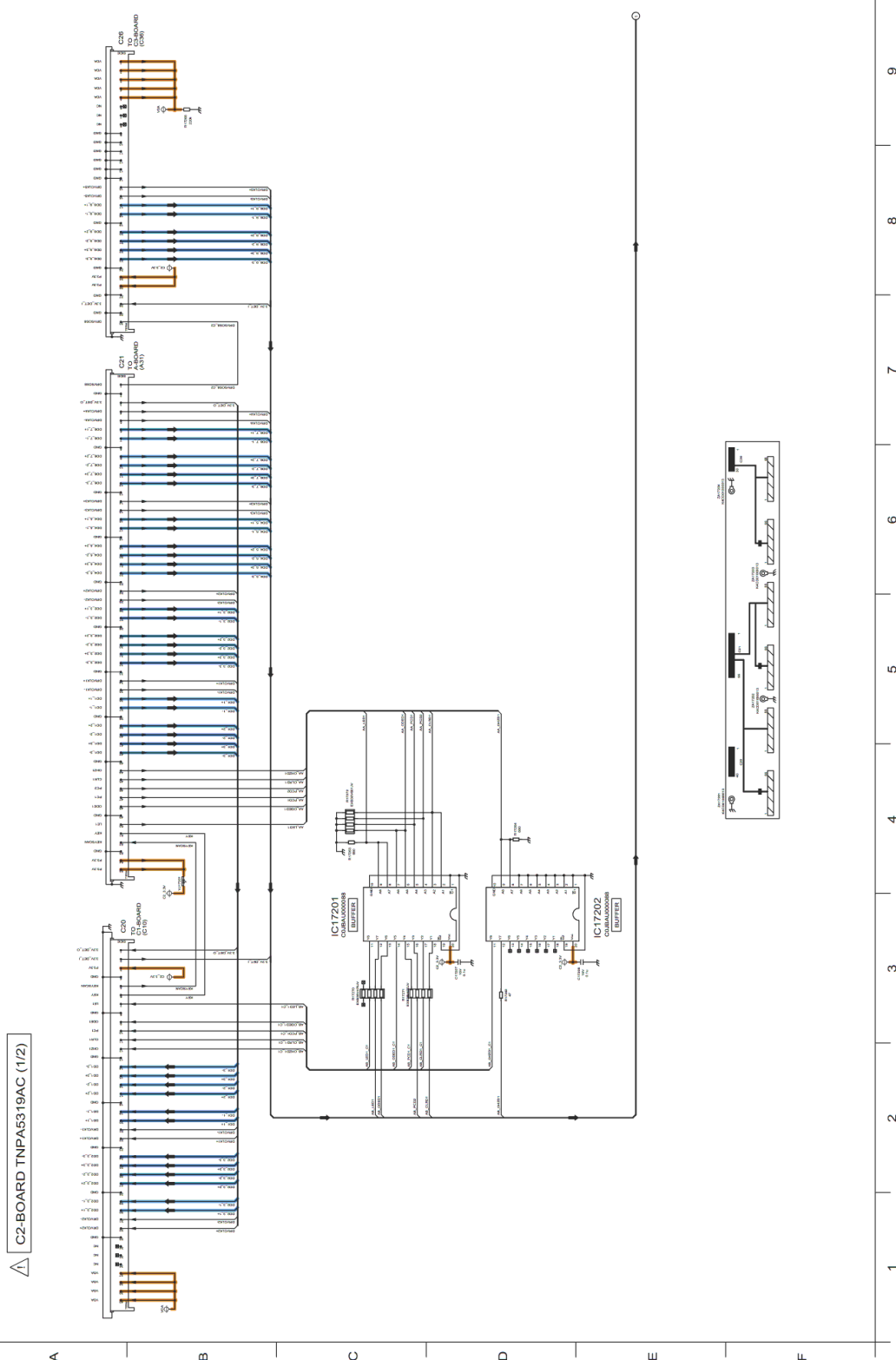
109 110 111 112 113 114 115 116 117



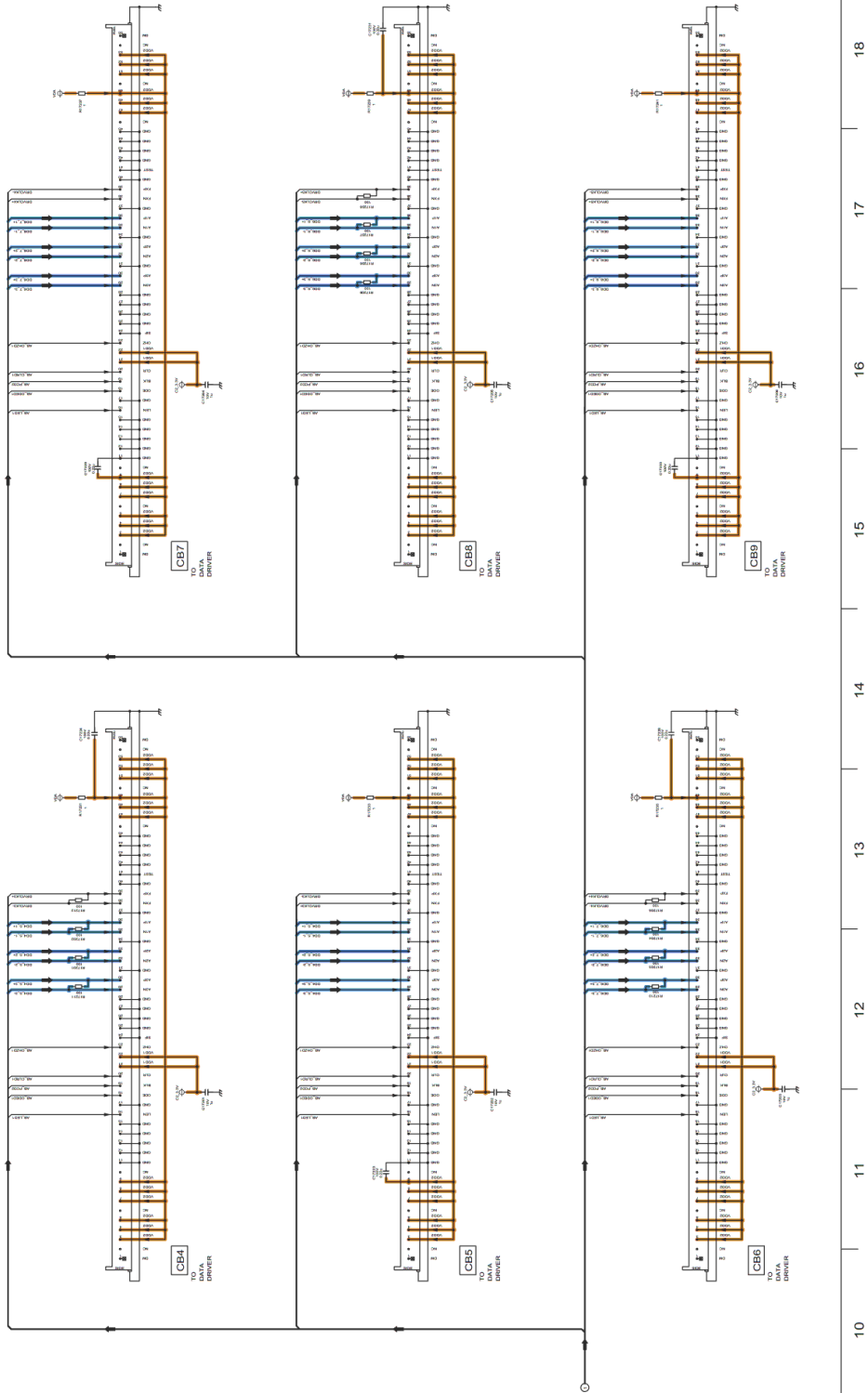
Model No. : TH-P50ST30A/Z C1-Board



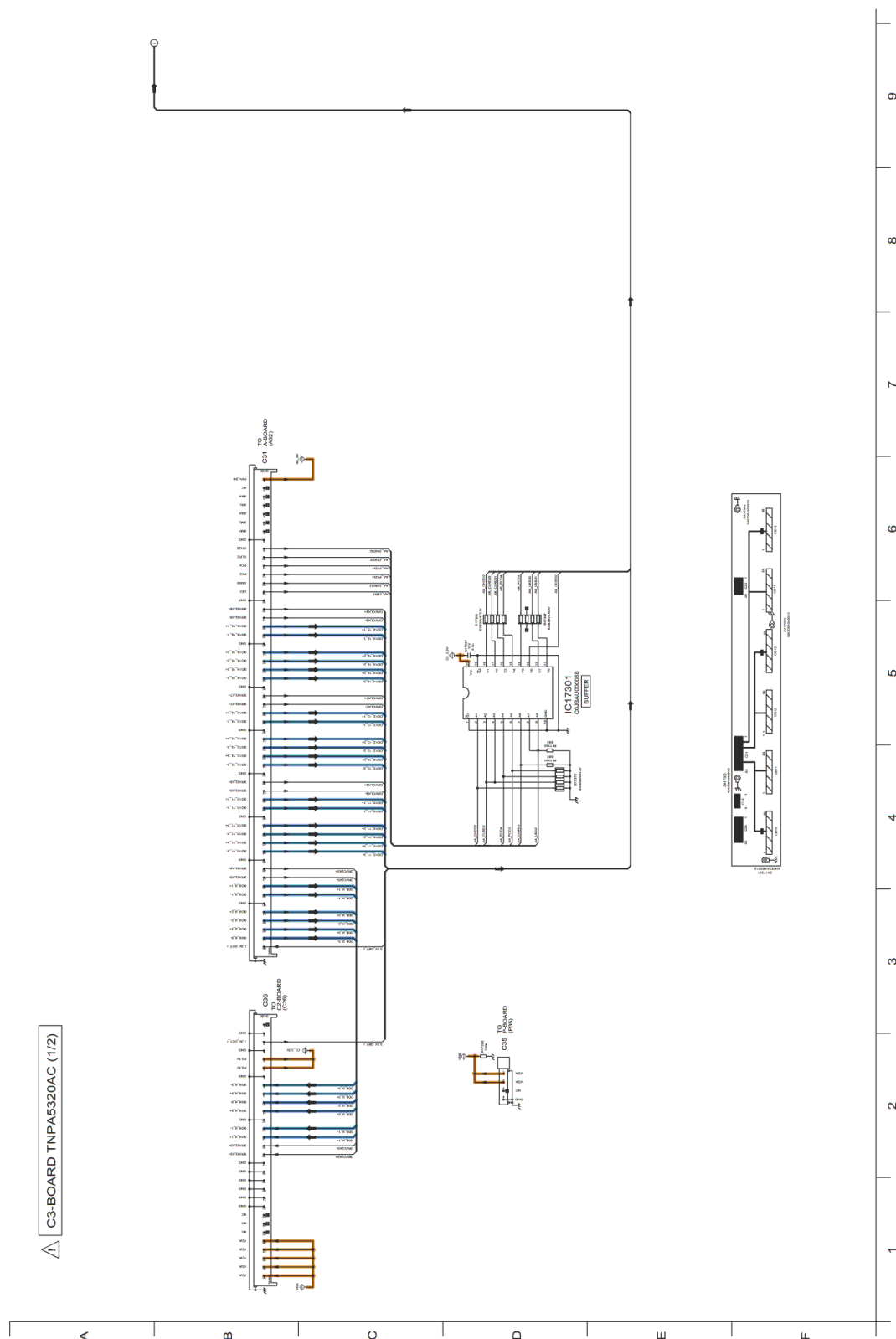
Model No. : TH-P50ST30A/Z C2-Board (1/2)



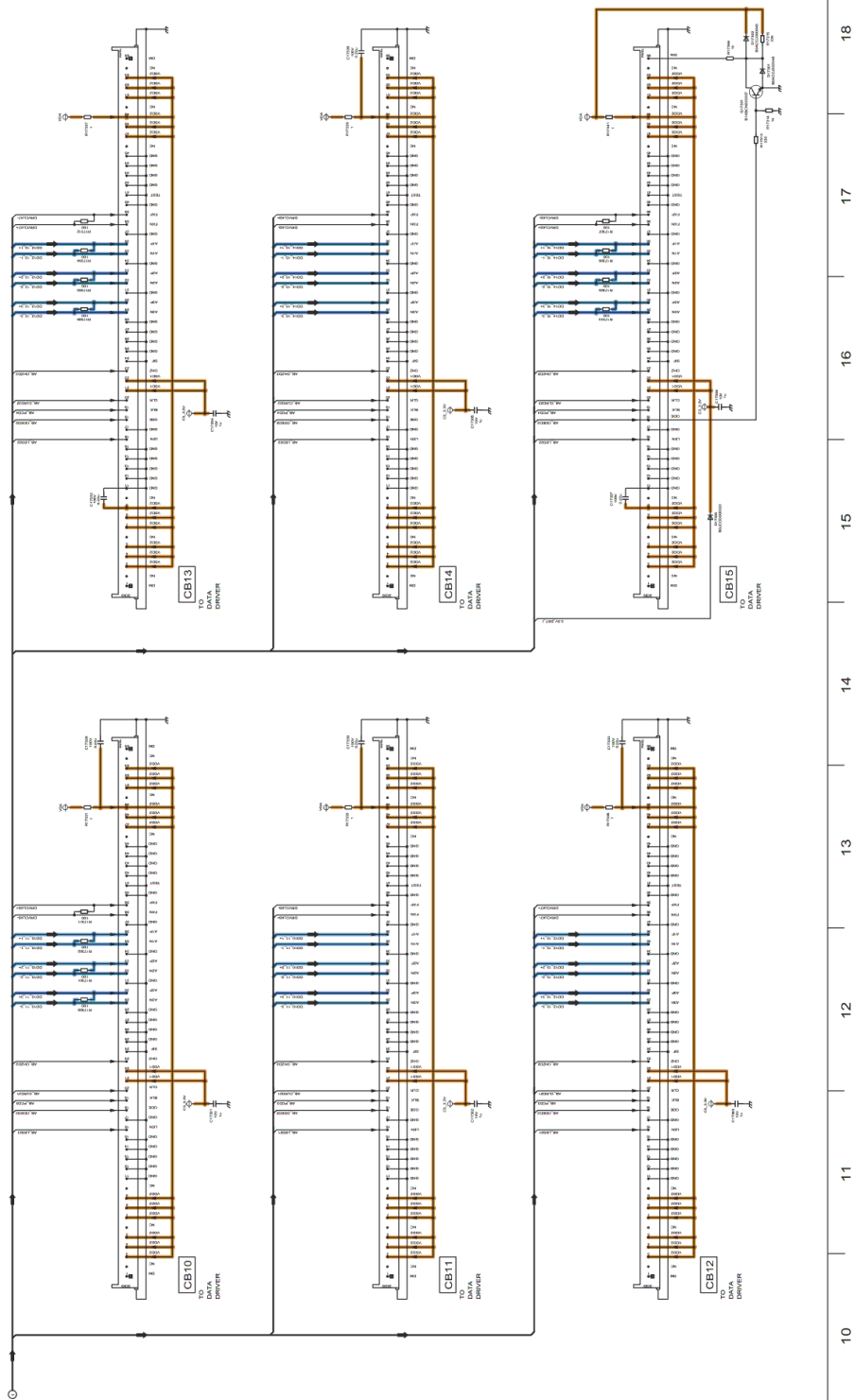
△ C2-BOARD TNPA5319AC (2/2)



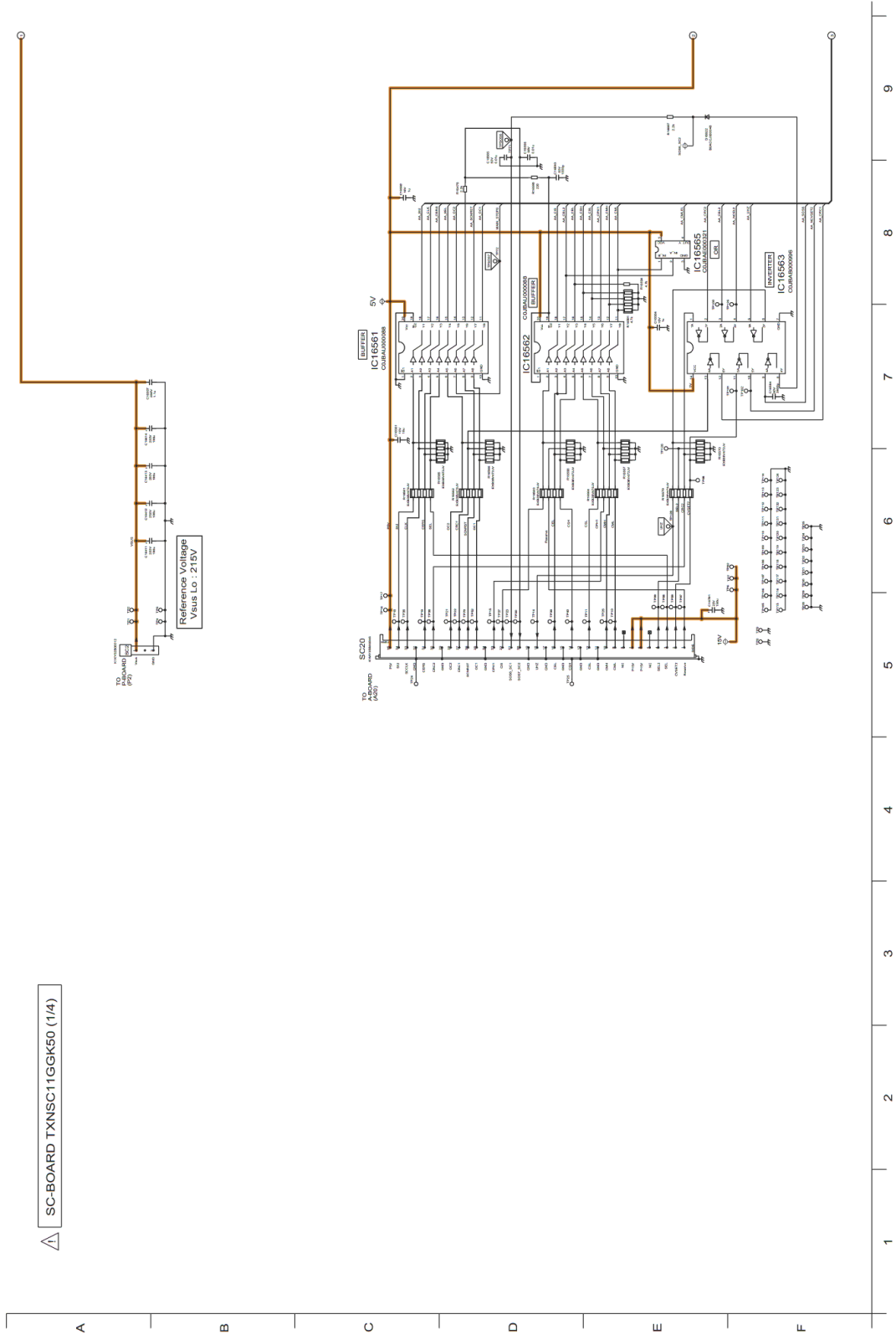
Model No. : TH-P50ST30A/Z C3-Board (1/2)

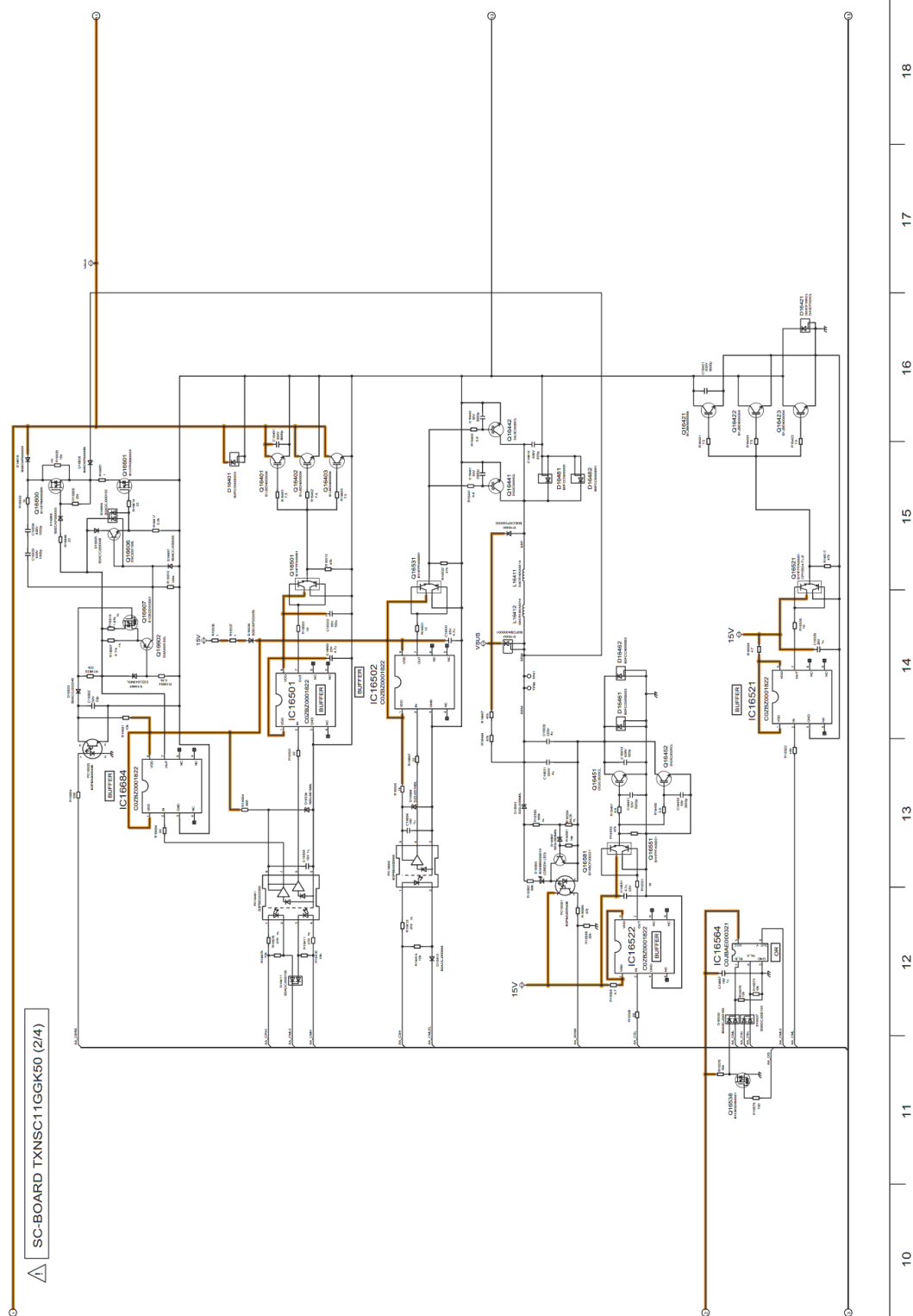


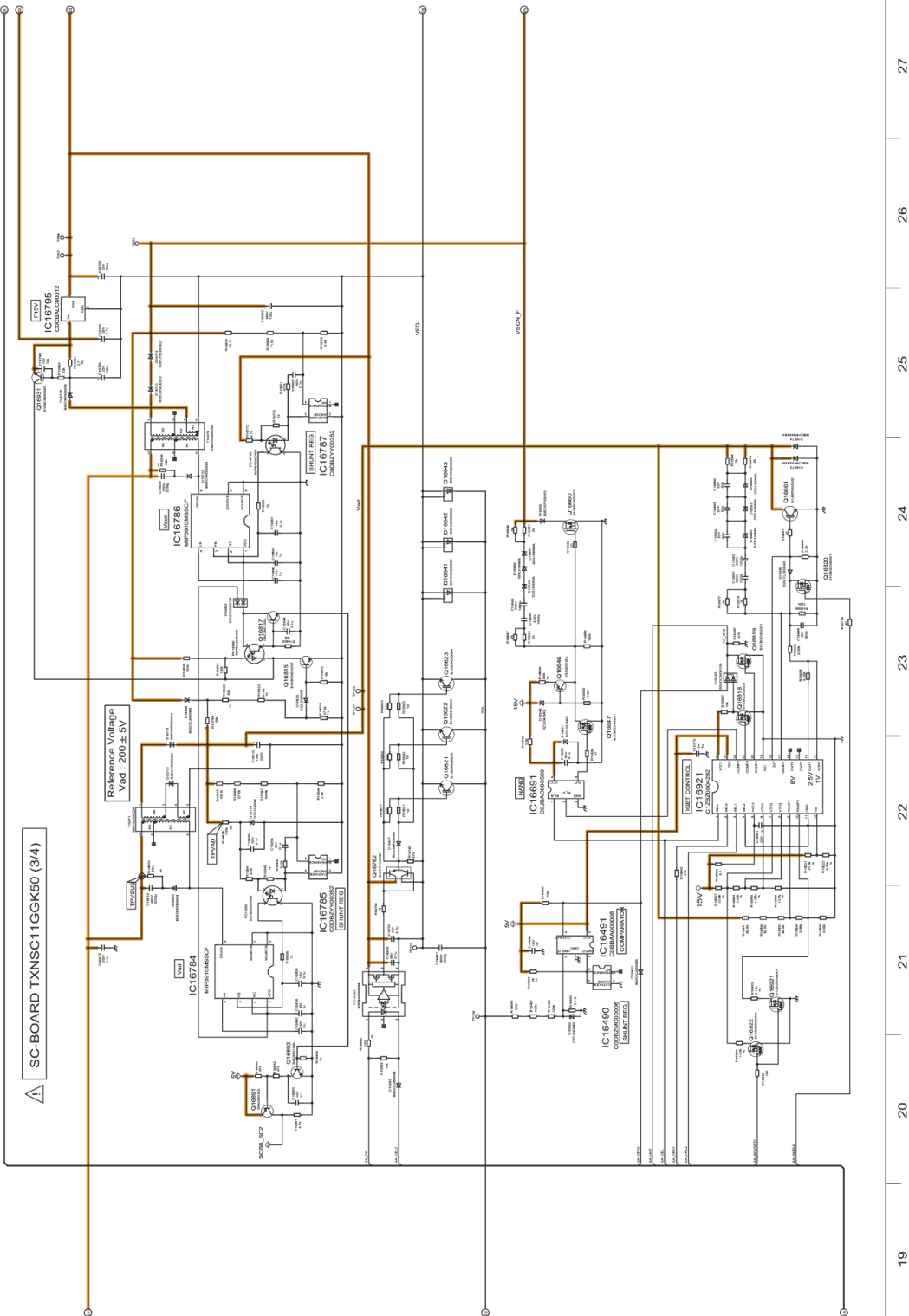
C3-BOARD TNPA5320AC (2/2)



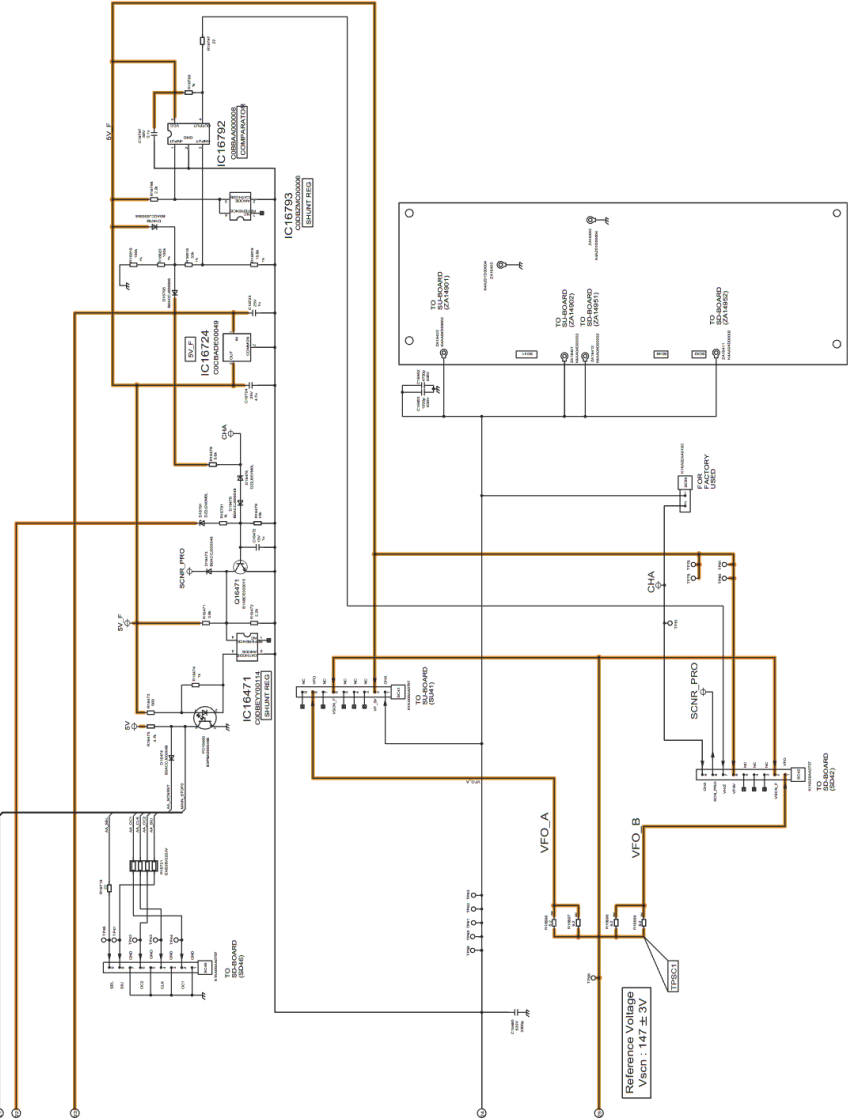
Model No. : TH-P50ST30A/Z SC-Board (1/4)







SC-BOARD TXNSC11GK50 (4/4)



36

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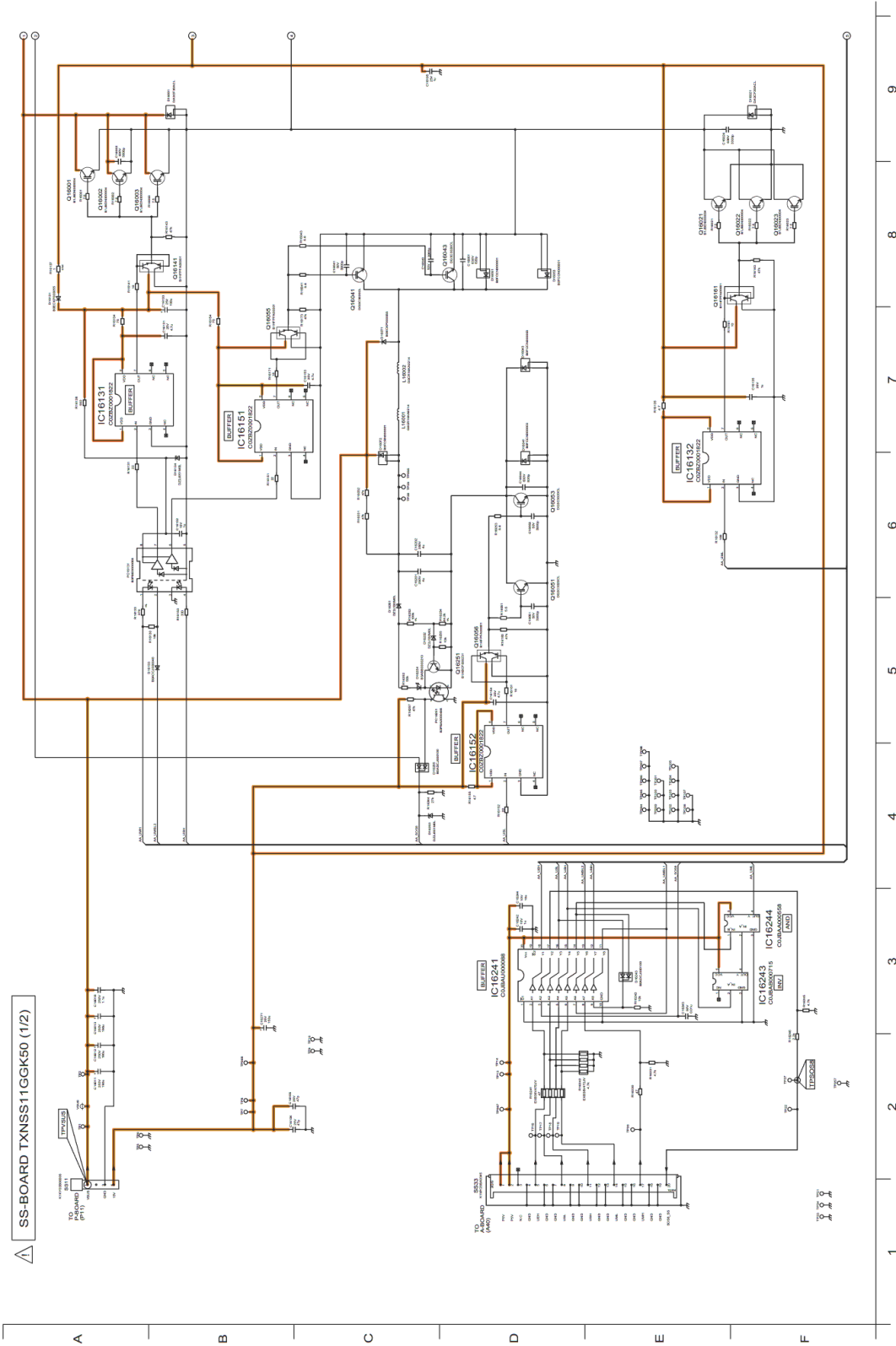
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30

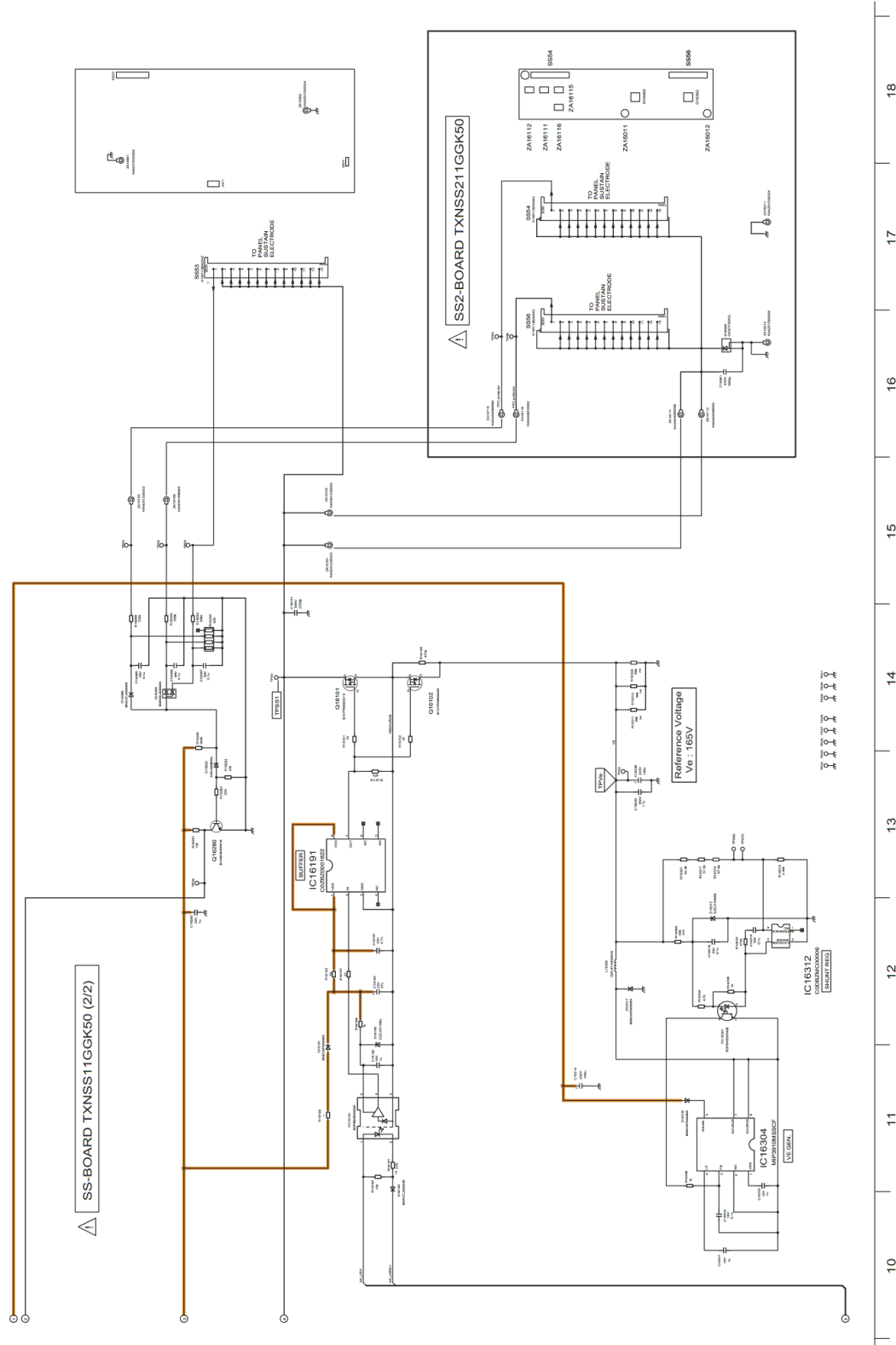
29

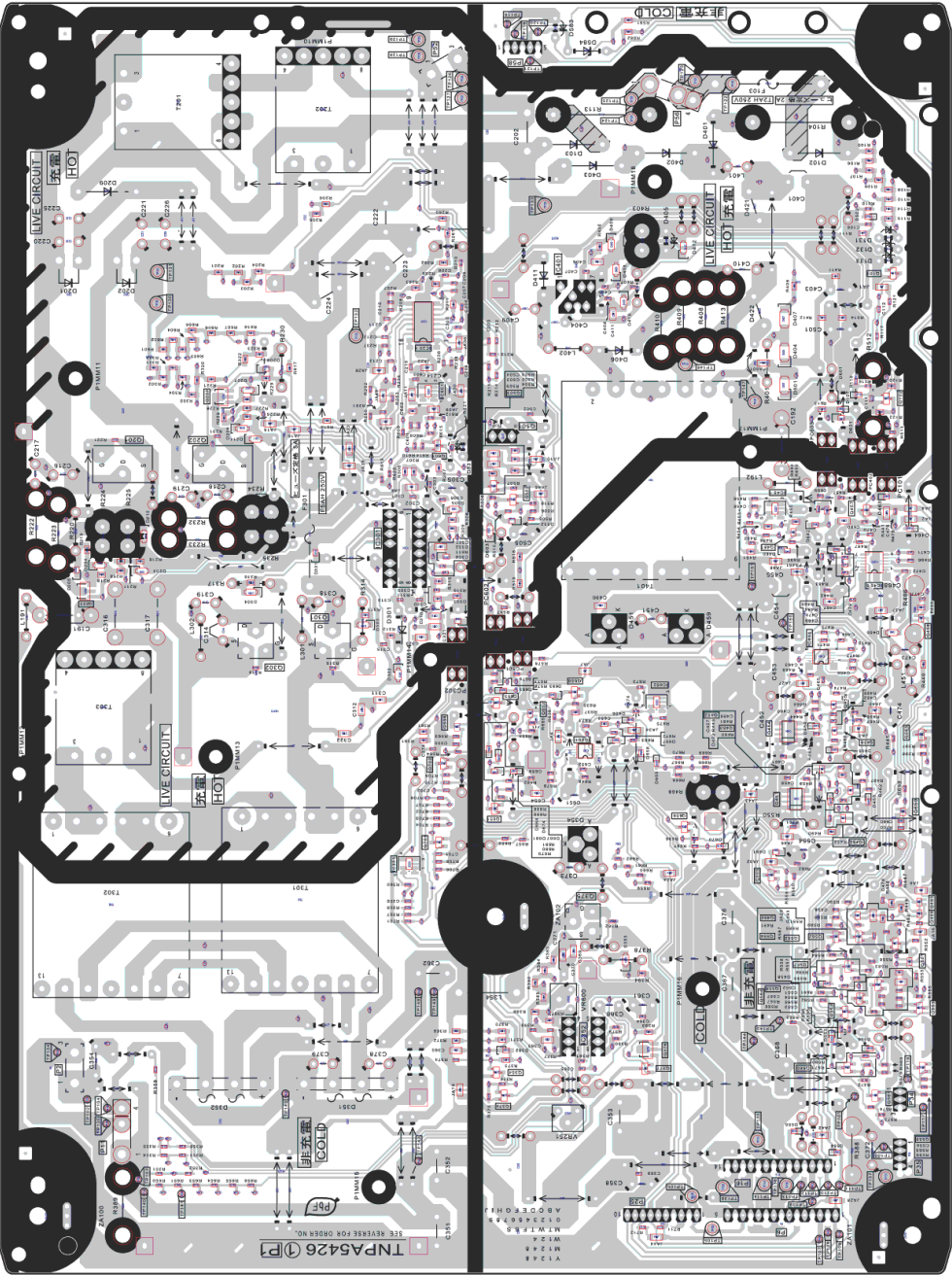
28

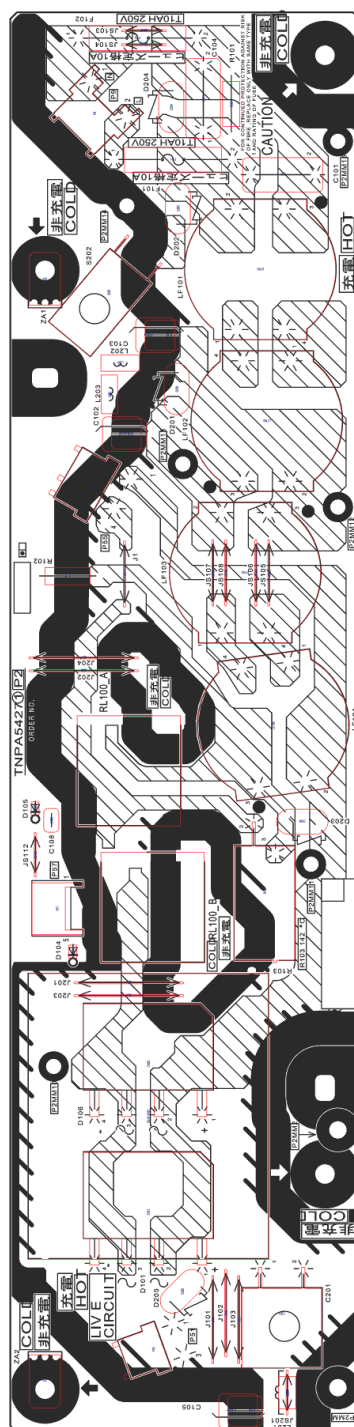
Model No. : TH-P50ST30A/Z SS-Board (1/2)

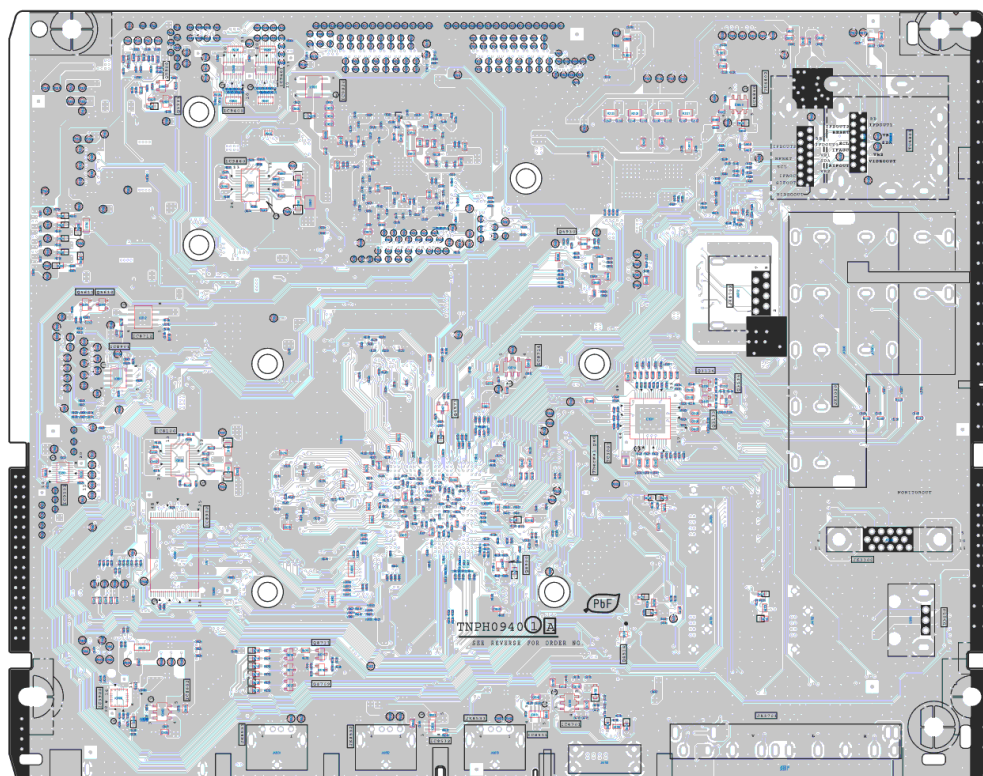


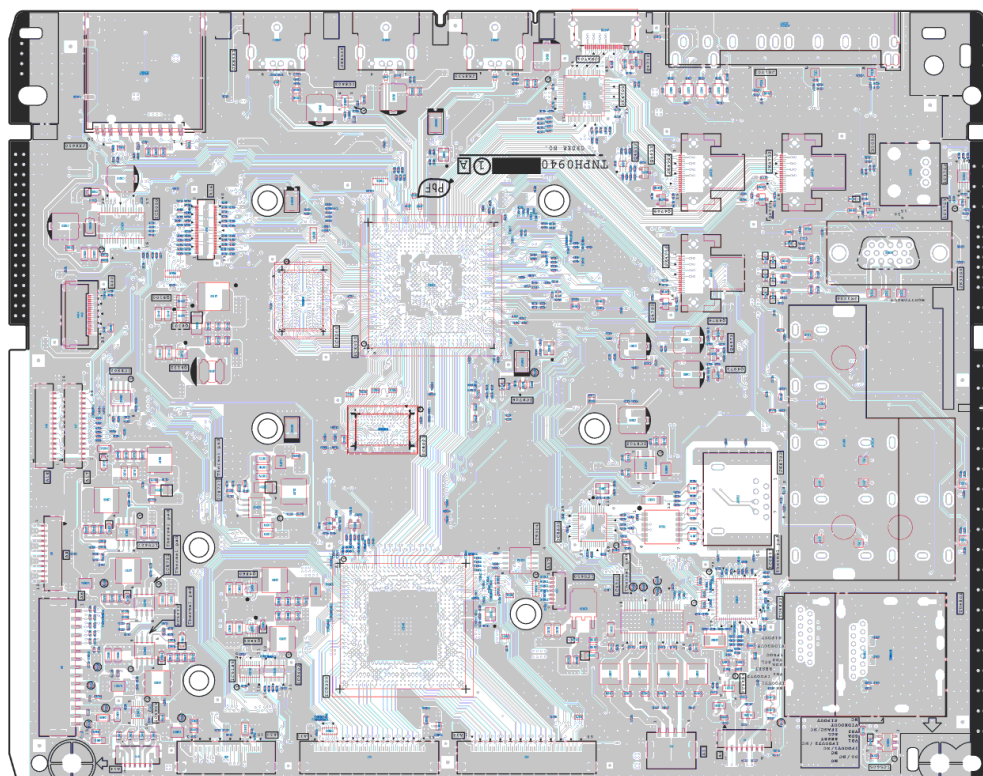
Model No. : TH-P50ST30A/Z SS-Board (2/2) and SS2-Board

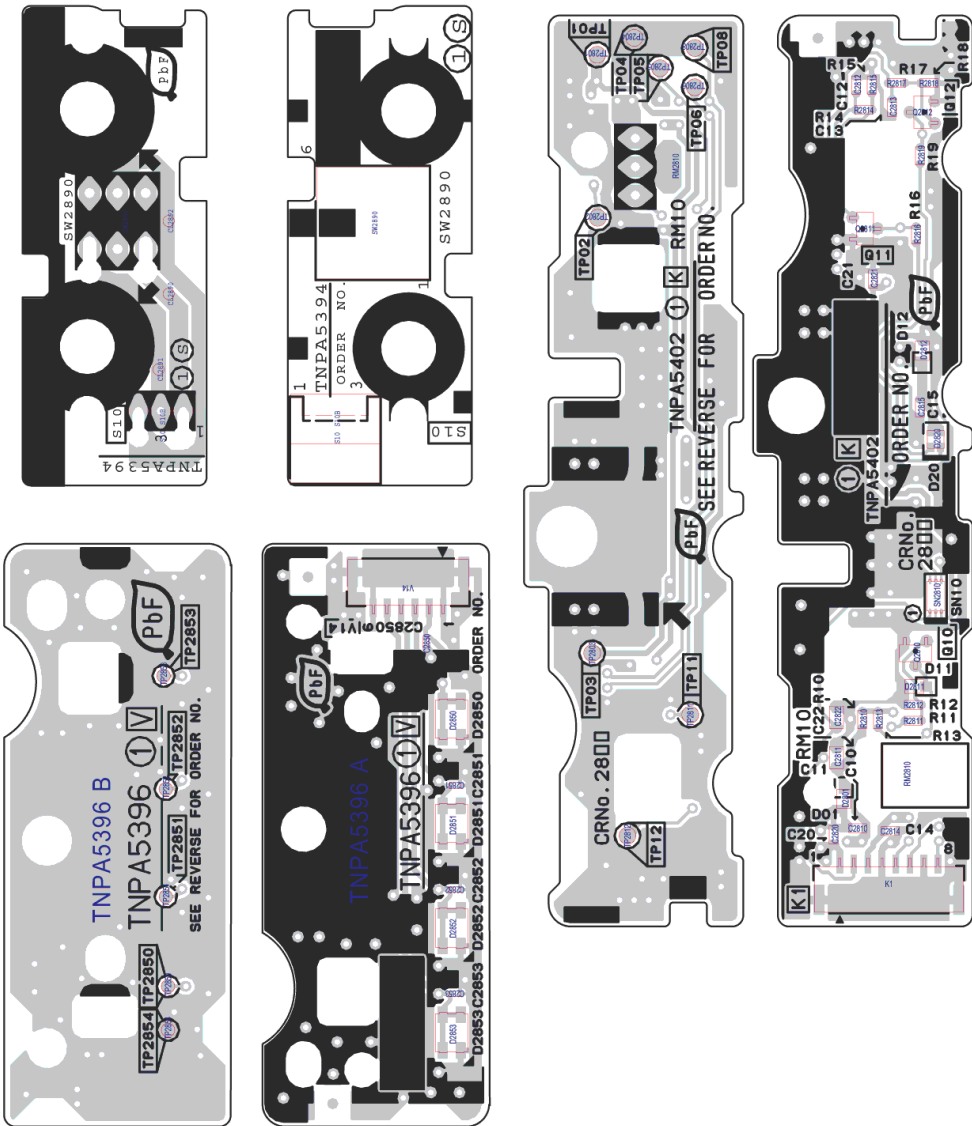


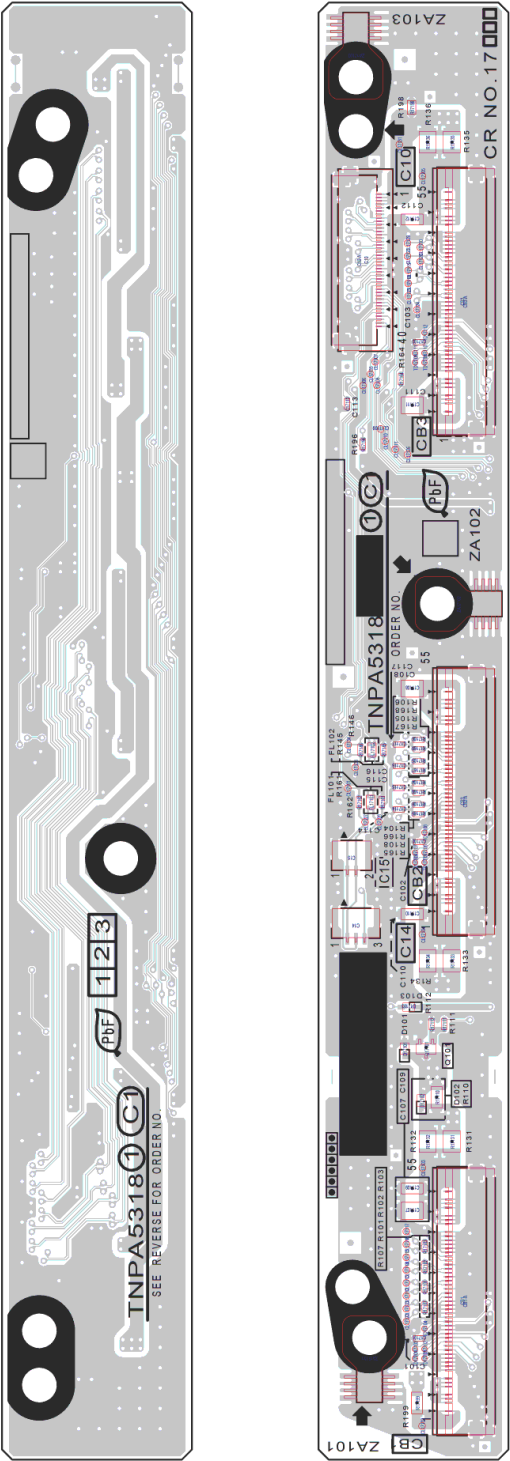


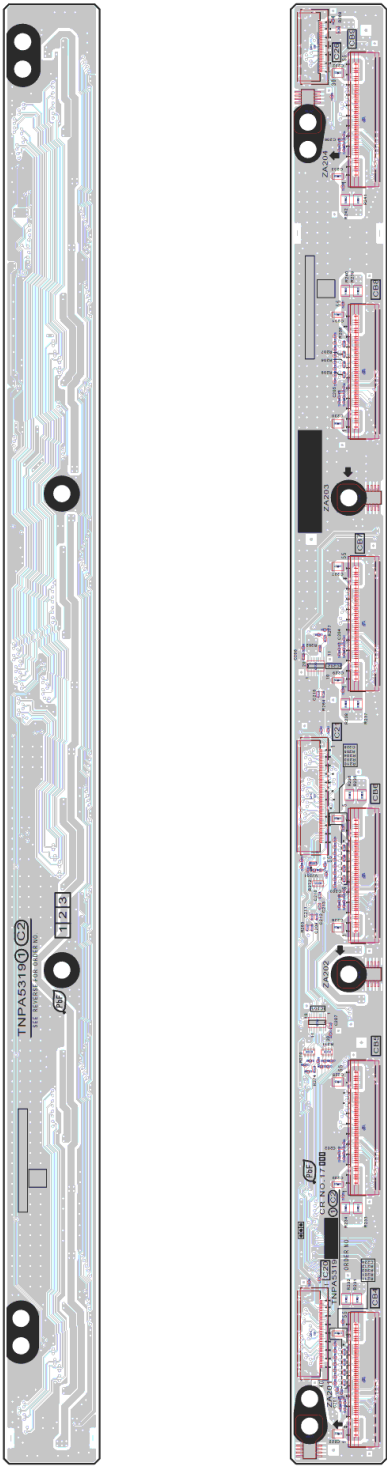


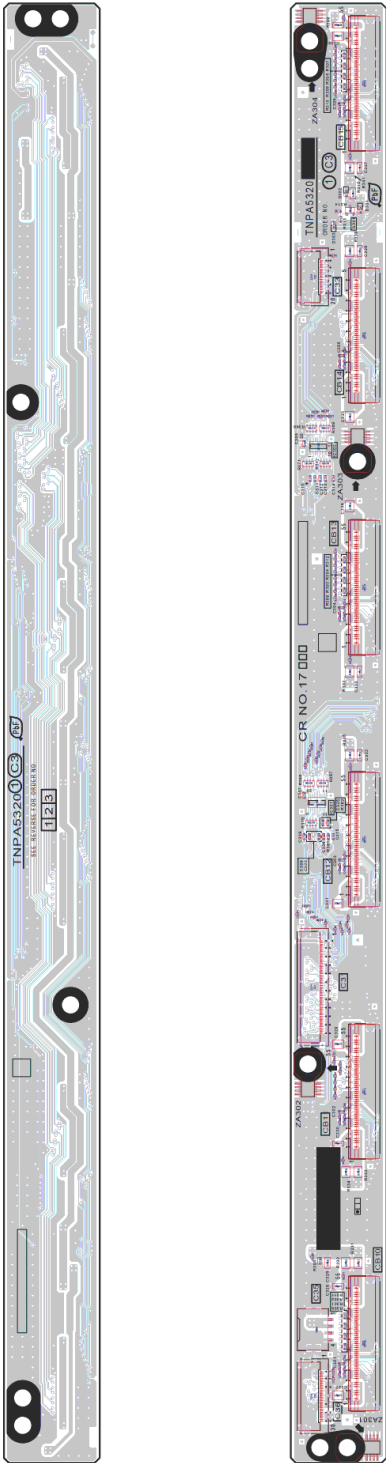


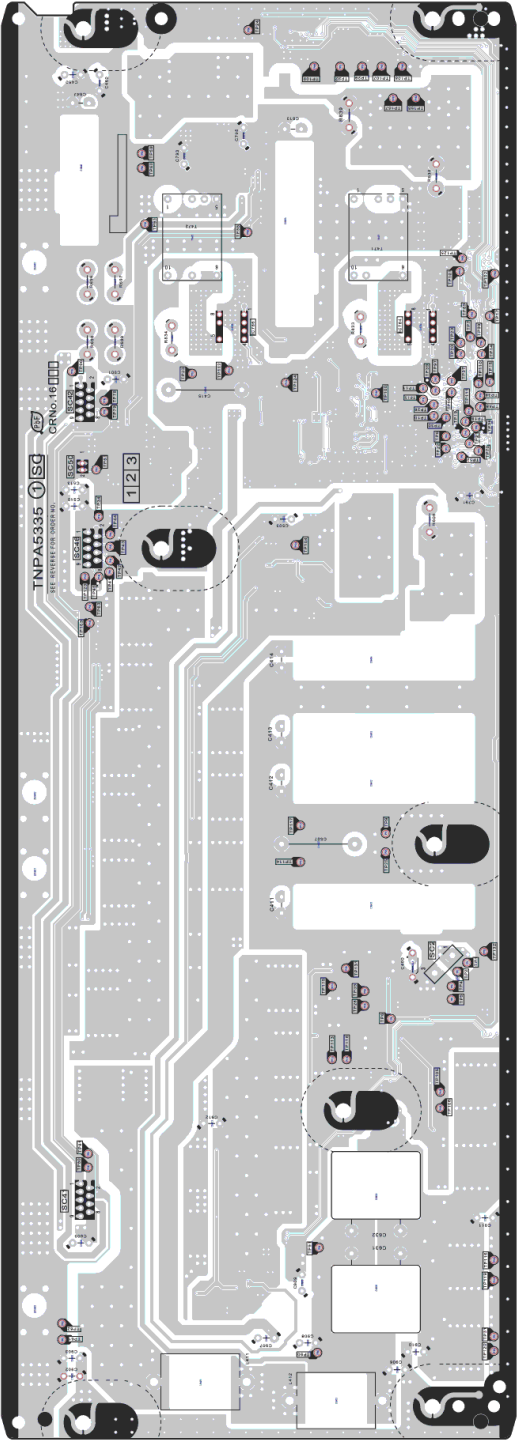


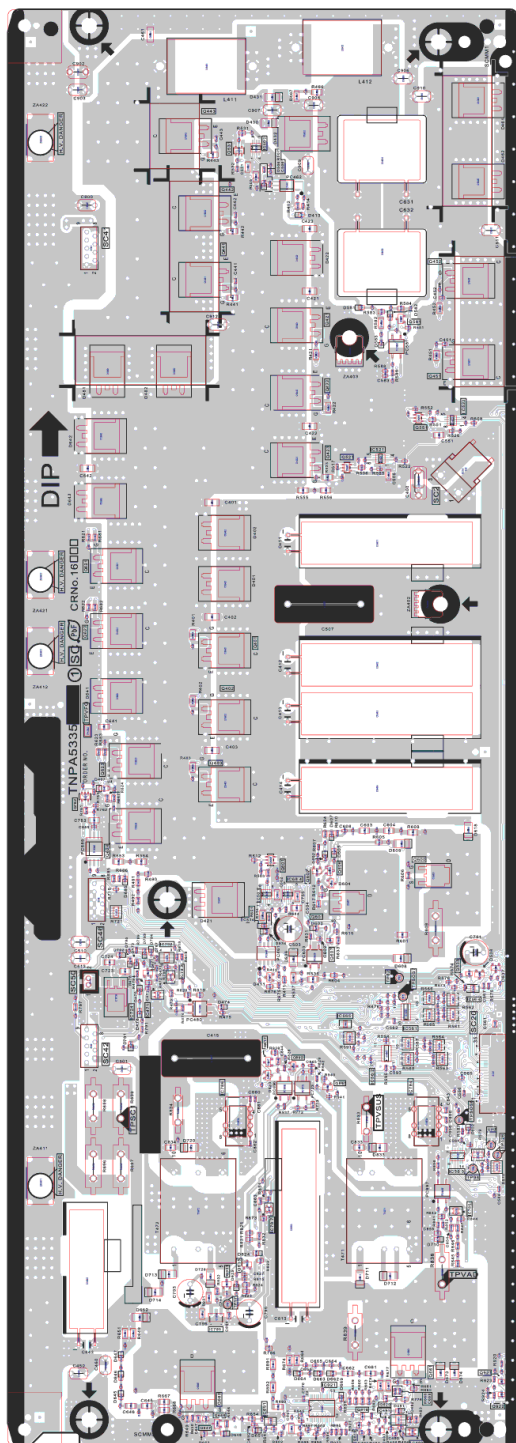


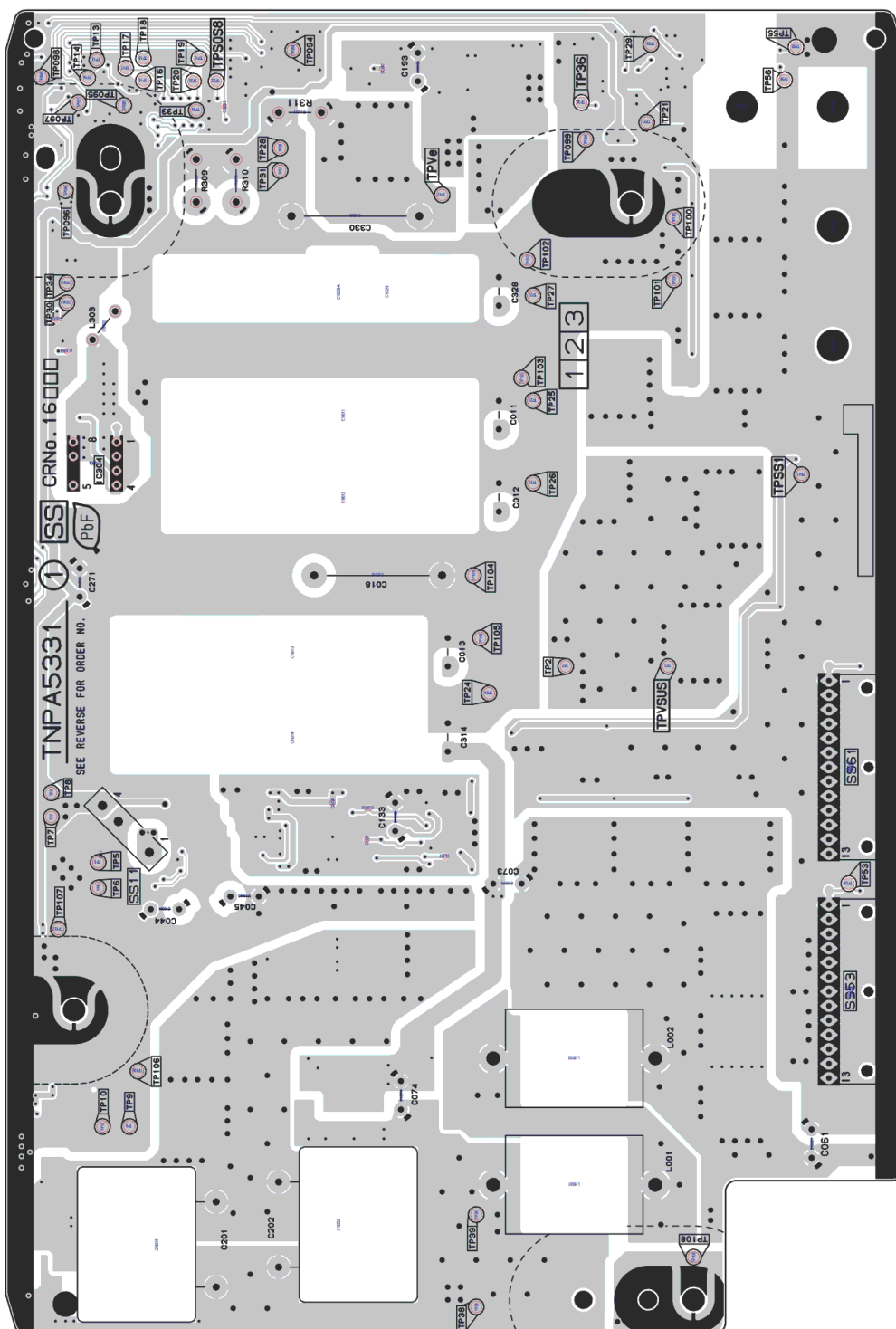


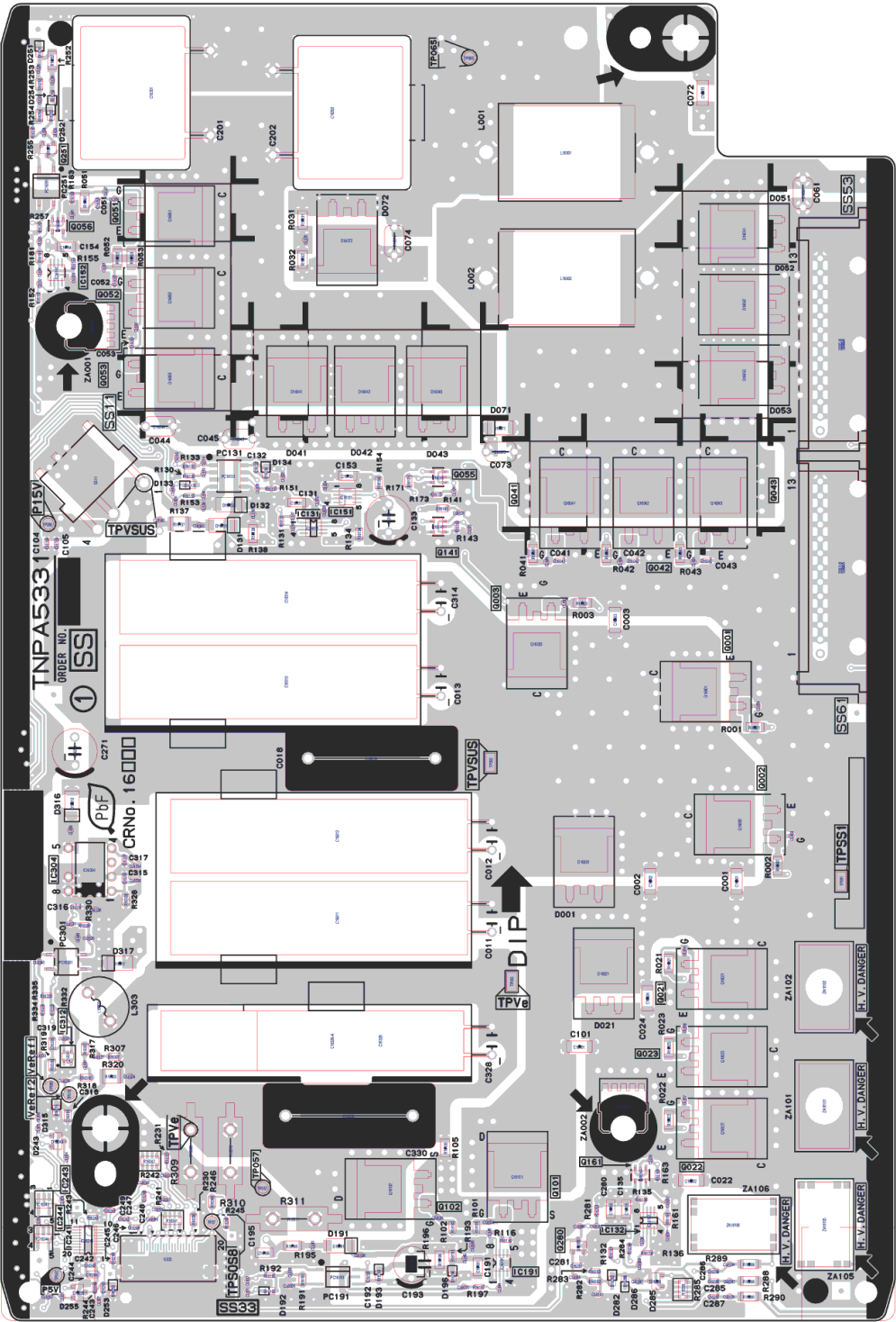














Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	PCB	TZTNP01MYUZ	A-PRINT COMPLETE	1	(Z) (RTL) PAVCTH
	PCB	TZTNP01NAUA	A-PRINT COMPLETE	1	(A) (RTL) PAVCTH
	PCB	TNPA5318	C1-PRINT COMPLETE	1	(RTL)
	PCB	TXNC211GGK50	C2-PRINT COMPLETE	1	(RTL) PAVCTH
	PCB	TNPA5320AC	C3-PRINT COMPLETE	1	(RTL)
	PCB	TXNP11QJUE46	CIRCUIT BOARD P	1	(RTL)
	PCB	TXNP21PNUB50	P2-PRINT COMPLETE	1	(RTL) PAVCTH
	PCB	TXNSC11GGK50	SC-PRINT COMPLETE	1	(RTL) PAVCTH
	PCB	TNPA5337	SD-PRINT	1	
	PCB	TXNSS11GGK50	SS-PRINT COMPLETE	1	(RTL) PAVCTH
	PCB	TXNSS211GGK50	SS2-PRINT COMPLETE	1	(RTL) PAVCTH
	PCB	TXNSU1MUUA50	SU-PRINT COMPLETE	1	PAVCTH
	PCB	TXN/K1NCUA42	K-PRINT COMPLETE	1	(RTL) PAVCTH
	PCB	TNPA5394	S-PRINT COMPLETE	1	(RTL)
	PCB	TNPA5396	V-PRINT COMPLETE	1	(RTL)
	A1	K1KY08AA0719	8P CONNECTOR	1	
	A6	K1KY15B00006	15P CONNECTOR	1	PAVCTH
	A8	K1KY12AA0719	12P CONNECTOR	1	
	A11	K1KY04B00013	4P CONNECTOR	1	PAVCTH
	A14	K1KY06AA0719	6P CONNECTOR	1	
	A17	K1KA14A00248	14P CONNECTOR	1	
	A20	K1MY35BA0345	35P CONNECTOR	1	
	A31	K1MY55BA0345	55P CONNECTOR	1	
	A32	K1MY55BA0345	55P CONNECTOR	1	
	A40	K1MY20BA0345	20P CONNECTOR	1	
	C10	K1MY40BA0345	40P CONNECTOR	1	
	C14	K1KY03AA0719	3P CONNECTOR	1	
	C20	K1MY40BA0345	40P CONNECTOR	1	
	C21	K1MY55BA0345	55P CONNECTOR	1	
	C26	K1MY30BA0345	30P CONNECTOR	1	
	C31	K1MY55BA0345	55P CONNECTOR	1	
	C35	K1KY04B00013	4P CONNECTOR	1	PAVCTH
	C36	K1MY30BA0345	30P CONNECTOR	1	
	C0068	F1G1A105A047	C 1UF 10V	1	
	C101	F0CAF334A105	C 0.33UF, 250V	1	PAVCTH
	C102	F1BAF221A088	C 220PF, 250V	1	PAVCTH
	C103	F1BAF221A088	C 220PF, 250V	1	PAVCTH
	C104	F0CAF334A105	C 0.33UF, 250V	1	PAVCTH
	C106	F1H1H472A970	C 4700PF, , 50V	1	
	C111	F1H1H102A971	C 1000PF, 50V	1	
	C112	F1H1H103A970	C 0.01 uF 50 V	1	
	C192	F1BAF471A088	C 470PF, 250V	1	PAVCTH
	C201	F0C2H1050001	C 1.5 UF 50 V	1	PAVCTH
	C202	F0C2H1050001	C 1.5 UF 50 V	1	PAVCTH
	C205	F1H1C105A148	C 1UF, 16V	1	
	C206	F1H1H104A970	C 0.1UF, , 50V	1	
	C207	F1H1H681A971	C 680PF, 50V	1	
	C208	F1H1E1050008	C 1U 25V	1	PAVCTH
	C209	F1H1H104A970	C 0.1UF, , 50V	1	
	C210	F1H1H102A971	C 1000PF, 50V	1	
	C211	F1H1E1050008	C 1U 25V	1	PAVCTH
	C212	F1H1H102A971	C 1000PF, 50V	1	
	C213	F1H1H102A971	C 1000PF, 50V	1	
	C214	ECA1HHG010	E 1UF, 50V	1	
	C215	F1H1H104A970	C 0.1UF, , 50V	1	
	C220	F1A3A471A060	C 470PF 1KV	1	PAVCTH
	C221	F1A3A471A060	C 470PF 1KV	1	PAVCTH
	C222	F2A2W1010010	E 100UF 450V	1	PAVCTH
	C223	F2A2W1010010	E 100UF 450V	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C224	F2A2W1010010	E 100UF 450V	1	PAVCTH
	C225	F1A3A471A060	C 470PF 1KV	1	PAVCTH
	C226	F1A3A471A060	C 470PF 1KV	1	PAVCTH
	C301	F1H1E473A029	C 047PF 25V	1	PAVCTH
	C302	ECA1HHG010	E 1UF, 50V	1	
	C303	F1H1H104A970	C 0.1UF, , 50V	1	
	C305	F2A1H2R2A122	E 2.2UF, 50V	1	
	C306	F1H1H332A970	C 3300PF, 50V	1	PAVCTH
	C307	F1K1E225A085	C 2.2UF, 25V	1	
	C308	F1H1H681A971	C 680PF, 50V	1	
	C309	F1H1H101A971	C 100PF, 50V	1	
	C310	F1K2J681A017	C 680PF ,630V	1	PAVCTH
	C311	F1K2J1500001	C 15PF, 630V	1	PAVCTH
	C312	F1K2J1500001	C 15PF, 630V	1	PAVCTH
	C313	F1H1H104A970	C 0.1UF, , 50V	1	
	C314	F1A3A471A060	C 470PF 1KV	1	PAVCTH
	C315	F1H1C474A143	C 0.47UF, 16V	1	
	C316	ECWH8473HA	P 0.033UF 800V	1	
	C317	ECWH8473HA	P 0.033UF 800V	1	
	C321	F1K2J681A017	C 680PF ,630V	1	PAVCTH
	C322	F1K2J1500001	C 15PF, 630V	1	PAVCTH
	C323	F1K2J681A017	C 680PF ,630V	1	PAVCTH
	C351	F2A2E2910001	E 290UF, 250V	1	PAVCTH
	C352	F2A2E2910001	E 290UF, 250V	1	PAVCTH
	C353	F2A2E2910001	E 290UF, 250V	1	PAVCTH
	C354	F0C2E103A070	C 0.010UF, 250V	1	PAVCTH
	C355	F1H1H104A970	C 0.1UF, , 50V	1	
	C358	F2A1H101A118	E 100UF, 50V	1	
	C359	F1H1H104A970	C 0.1UF, , 50V	1	
	C360	F1K1V1050001	C 1UF, 35V	1	PAVCTH
	C361	F2A1H1000089	E 10UF, 50V	1	PAVCTH
	C362	F2A1J1820001	C 1800UF ,63V	1	PAVCTH
	C363	F1K1E225A085	C 2.2UF, 25V	1	
	C364	F1H1H104A970	C 0.1UF, , 50V	1	
	C365	F1H1H102A971	C 1000PF, 50V	1	
	C366	F2A1H4R7A794	E 4.7UF, 50V	1	PAVCTH
	C367	F2A1J1820001	C 1800UF ,63V	1	PAVCTH
	C368	F2A1J1820001	C 1800UF ,63V	1	PAVCTH
	C370	F1K2A474A006	C 0.47UF, 100V	1	
	C372	F0C2E104A070	C 0.10UF, 250V	1	PAVCTH
	C373	ECKD3A102KBP	C 1000PF, 1KV	1	
	C374	F1H1E1050008	C 1U 25V	1	PAVCTH
	C376	F2A1J1820001	C 1800UF ,63V	1	PAVCTH
	C378	ECKD3A102KBP	C 1000PF, 1KV	1	
	C379	ECKD3A102KBP	C 1000PF, 1KV	1	
	C401	F2A2W4700020	E 47UF 450V	1	PAVCTH
	C403	F2A1H2200060	E 22UF, 50V	1	PAVCTH
	C404	F1B3D331A011	C 330P 2000V	1	
	C405	F1H1H104A970	C 0.1UF, , 50V	1	
	C406	F1K1E225A085	C 2.2UF, 25V	1	
	C407	F1H1H222A970	C 2200PF, 50V	1	
	C408	F1H1H101A971	C 100PF, 50V	1	
	C410	F1B3A222A009	C 2200U 1000V	1	PAVCTH
	C411	F1K1V1050001	C 1UF, 35V	1	PAVCTH
	C452	F2A1E6810033	E 680UF 25V	1	PAVCTH
	C453	F2A1E6810033	E 680UF 25V	1	PAVCTH
	C454	F2A1E6810033	E 680UF 25V	1	PAVCTH
	C455	F2A1E6810033	E 680UF 25V	1	PAVCTH
	C456	F1H1H104A970	C 0.1UF, , 50V	1	
	C457	F1H1E473A029	C 047PF 25V	1	PAVCTH
	C458	F1H1H104A970	C 0.1UF, , 50V	1	
	C459	F1H1C105A148	C 1UF, 16V	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C460	F1H1C334A143	C 0.3UF, 16V	1	PAVCTH
	C461	F1H1H104A970	C 0.1UF, , 50V	1	
	C462	F1H1C474A143	C 0.47UF, 16V	1	
	C463	F1H1H104A970	C 0.1UF, , 50V	1	
	C464	F1H1H102A971	C 1000PF, 50V	1	
	C465	F1H1H102A971	C 1000PF, 50V	1	
	C467	F1K1V1050001	C 1UF, 35V	1	PAVCTH
	C468	F2A1V3310067	C 150UF 35V	1	PAVCTH
	C469	F1H1C105A148	C 1UF, 16V	1	
	C470	F1H1H472A970	C 4700PF, , 50V	1	
	C471	F1H1H222A970	C 2200PF, 50V	1	
	C472	F1H1C105A148	C 1UF, 16V	1	
	C473	ECKD3A102KBP	C 1000PF, 1KV	1	
	C474	F2A1H101A118	E 100UF, 50V	1	
	C476	F1K1E684A130	C 0.68UF, 25V	1	PAVCTH
	C478	F1H1H104A970	C 0.1UF, , 50V	1	
	C479	F1H1H104A970	C 0.1UF, , 50V	1	
	C480	F1K1V1050001	C 1UF, 35V	1	PAVCTH
	C490	F1K2J102A014	C 1000PF, 630V	1	
	C501	F2A1H101A118	E 100UF, 50V	1	
	C502	F1H1H104A970	C 0.1UF, , 50V	1	
	C505	F2A1E1010130	E 100UF, 25V	1	PAVCTH
	C551	F1K1E684A130	C 0.68UF, 25V	1	PAVCTH
	C552	F1J1E224A227	C 0.22UF, 25V	1	
	C553	F1H1H102A971	C 1000PF, 50V	1	
	C554	F2A1H2200060	E 22UF, 50V	1	PAVCTH
	C555	F1H1C105A148	C 1UF, 16V	1	
	C556	F1H1H104A970	C 0.1UF, , 50V	1	
	C557	F1H1C105A148	C 1UF, 16V	1	
	C558	F1H1C474A143	C 0.47UF, 16V	1	
	C601	F1H1H104A970	C 0.1UF, , 50V	1	
	C602	F1J1A4750009	C 4.7UF, 10V	1	PAVCTH
	C651	F2A1H2200060	E 22UF, 50V	1	PAVCTH
	C652	F1H1H104A970	C 0.1UF, , 50V	1	
	C654	F1K1E4750002	C 4.7UF, 25V	1	
	C655	F1H1H103A970	C 0.01 uF 50 V	1	
	C659	F1H1H102A971	C 1000PF, 50V	1	
	C701	F1H1H102A971	C 1000PF, 50V	1	
	C702	F1H1H102A971	C 1000PF, 50V	1	
	C1001	F1H1H104A903	C 0.1UF, 50V	1	
	C1002	F1H1H104A903	C 0.1UF, 50V	1	
	C1003	F1H1H104A903	C 0.1UF, 50V	1	
	C1052	F1G1E1030005	C 0.01UF 25V	1	
	C1053	F1G1C104A077	C 0.1UF 16V	1	
	C1105	F1G1E1030005	C 0.01UF 25V	1	
	C1109	F1G1C104A077	C 0.1UF 16V	1	
	C1110	F1G1C104A077	C 0.1UF 16V	1	
	C2810	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C2811	F1J1A106A087	C 10UF, 10V	1	
	C2815	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C2821	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C2850	F1G1A473A032	C0.047UF, 10V	1	
	C2851	F1G1A473A032	C0.047UF, 10V	1	
	C2852	F1G1A473A032	C0.047UF, 10V	1	
	C2853	F1G1A473A032	C0.047UF, 10V	1	
	C3005	F1J1A106A043	C 10UF, 10V	1	
	C3006	F1J1A106A043	C 10UF, 10V	1	
	C3007	F1J1A106A043	C 10UF, 10V	1	
	C3011	F1G1C104A077	C 0.1UF 16V	1	
	C3023	F1J1A106A043	C 10UF, 10V	1	
	C3026	F1J1A106A043	C 10UF, 10V	1	
	C3028	F1J1A106A043	C 10UF, 10V	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C3033	FLJ1A106A043	C 10UF, 10V	1	
	C3034	FLJ1A106A043	C 10UF, 10V	1	
	C3035	FLG1C104A077	C 0.1UF 16V	1	
	C3036	ECJ1VB1A105K	C 1UF, 10V	1	
	C3037	ECJ1VB1A105K	C 1UF, 10V	1	
	C3038	ECJ1VB1A105K	C 1UF, 10V	1	
	C3039	ECJ1VB1A105K	C 1UF, 10V	1	
	C3045	ECJ1VB1A105K	C 1UF, 10V	1	
	C3046	ECJ1VB1A105K	C 1UF, 10V	1	
	C3047	FLJ1A106A043	C 10UF, 10V	1	
	C3048	ECJ1VB1A105K	C 1UF, 10V	1	
	C3049	ECJ1VB1A105K	C 1UF, 10V	1	
	C3054	FLG1C104A077	C 0.1UF 16V	1	
	C3065	FLG1H5610004	C 560 pF 50 V	1	PAVCTH
	C3066	FLG1H5610004	C 560 pF 50 V	1	PAVCTH
	C3067	FLG1E333A091	C 0.033UF 25V	1	
	C3068	FLG1E333A091	C 0.033UF 25V	1	
	C3130	FLG1H5610004	C 560 pF 50 V	1	PAVCTH
	C3131	FLG1H5610004	C 560 pF 50 V	1	PAVCTH
	C3134	FLG1H5610004	C 560 pF 50 V	1	PAVCTH
	C3135	FLG1H5610004	C 560 pF 50 V	1	PAVCTH
	C3157	FLG1C104A077	C 0.1UF 16V	1	
	C3201	FLG1H5610004	C 560 pF 50 V	1	PAVCTH
	C3301	FLJ1A106A043	C 10UF, 10V	1	
	C3302	FLJ1A106A043	C 10UF, 10V	1	
	C3303	FLJ1A106A043	C 10UF, 10V	1	
	C3704	FLG1H5610004	C 560 pF 50 V	1	PAVCTH
	C3750	FLG1C104A077	C 0.1UF 16V	1	
	C4546	FLG1A105A047	C 1UF 10V	1	
	C4548	FLG1A105A047	C 1UF 10V	1	
	C4619	ECJ1VB1A105K	C 1UF, 10V	1	
	C4622	ECJ1VB1A105K	C 1UF, 10V	1	
	C4625	ECJ1VB1A105K	C 1UF, 10V	1	
	C4713	FLG1C104A077	C 0.1UF 16V	1	
	C4716	FLG1C104A077	C 0.1UF 16V	1	
	C4717	FLJ1A106A087	C 10UF, 10V	1	
	C4718	FLJ1A475A087	C 4.7UF, 10V	1	
	C4719	FLG1C104A077	C 0.1UF 16V	1	
	C4721	FLG1C104A077	C 0.1UF 16V	1	
	C4722	FLG1C104A077	C 0.1UF 16V	1	
	C4723	FLG1C104A077	C 0.1UF 16V	1	
	C4727	FLJ1A106A087	C 10UF, 10V	1	
	C4801	FLG1C104A077	C 0.1UF 16V	1	
	C4802	FLJ1A106A043	C 10UF, 10V	1	
	C4804	FLJ1A106A043	C 10UF, 10V	1	
	C4805	FLG1H220A565	C 22PF, 50V	1	
	C4806	FLG1C104A077	C 0.1UF 16V	1	
	C4810	FLG1A105A047	C 1UF 10V	1	
	C4811	FLG1A105A047	C 1UF 10V	1	
	C4812	FLG1C104A077	C 0.1UF 16V	1	
	C4813	FLJ1A106A043	C 10UF, 10V	1	
	C4816	FLG1C104A077	C 0.1UF 16V	1	
	C4817	FLG1C104A077	C 0.1UF 16V	1	
	C4820	FLG1H330A565	C 33PF, 50V	1	
	C4821	FLG1H330A565	C 33PF, 50V	1	
	C4822	FLG1H1020008	C 1000PF 50V	1	
	C4823	FLJ1A106A043	C 10UF, 10V	1	
	C4824	FLG1H150A565	C 15PF, 50V	1	
	C4825	FLG1C104A077	C 0.1UF 16V	1	
	C4826	FLG1H1020008	C 1000PF 50V	1	
	C4830	FLG1H101A565	C 100PF 50V	1	
	C4831	FLG1H101A565	C 100PF 50V	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C4832	FlG1H1020008	C 1000PF 50V	1	
	C4850	FlG1A105A047	C 1UF 10V	1	
	C4851	FlG1A105A047	C 1UF 10V	1	
	C4852	FlG1A105A047	C 1UF 10V	1	
	C4853	FlG1A105A047	C 1UF 10V	1	
	C4898	FlG1H150A565	C 15PF, 50V	1	
	C4899	FlJ1A106A043	C 10UF, 10V	1	
	C4901	FlG1H221A571	C 220PF, 50V	1	
	C4902	FlG1H221A571	C 220PF, 50V	1	
	C4903	FlG1H221A571	C 220PF, 50V	1	
	C4904	FlG1H221A571	C 220PF, 50V	1	
	C4905	FlK1E106A136	C 10UF, 25V	1	
	C4906	FlK1E106A136	C 10UF, 25V	1	
	C4910	FlG1H1020008	C 1000PF 50V	1	
	C4911	FlJ1E105A231	C 1 UF 25V	1	
	C4912	FlK1E106A136	C 10UF, 25V	1	
	C4914	FlH1H104A970	C 0.1UF, , 50V	1	
	C4915	FlJ1E105A231	C 1 UF 25V	1	
	C4916	FlH1H104A970	C 0.1UF, , 50V	1	
	C4918	FlJ1E4740001	C 0.47UF, 25V	1	PAVCTH
	C4919	FlJ1E4740001	C 0.47UF, 25V	1	PAVCTH
	C4920	FlG1H1020008	C 1000PF 50V	1	
	C4921	FlJ1E105A231	C 1 UF 25V	1	
	C4922	FlK1E106A136	C 10UF, 25V	1	
	C4924	FlH1H104A970	C 0.1UF, , 50V	1	
	C4925	FlJ1E105A231	C 1 UF 25V	1	
	C4926	FlH1H104A970	C 0.1UF, , 50V	1	
	C4928	FlJ1E4740001	C 0.47UF, 25V	1	PAVCTH
	C4929	FlJ1E4740001	C 0.47UF, 25V	1	PAVCTH
	C4930	FlG1C104A077	C 0.1UF 16V	1	
	C4931	FlG1C104A077	C 0.1UF 16V	1	
	C4941	FlJ1A106A043	C 10UF, 10V	1	
	C4942	FlJ1A106A043	C 10UF, 10V	1	
	C4952	F2H1A101A040	C 100UF, 10V	1	PAVCTH
	C4953	F2H1A101A040	C 100UF, 10V	1	PAVCTH
	C5000	FlG1E1030005	C 0.01UF 25V	1	
	C5002	FlJ1E105A231	C 1 UF 25V	1	
	C5003	FlH1C105A145	C 1 uF 16 V	1	
	C5012	EEH1B1C101UP	C 100PF, J, 16V	1	
	C5013	ECJ1VB1A105K	C 1UF, 10V	1	
	C5014	ECJ1VB1A105K	C 1UF, 10V	1	
	C5015	ECJ1VB1A105K	C 1UF, 10V	1	
	C5016	ECJ1VB1A105K	C 1UF, 10V	1	
	C5017	ECJ1VB1A105K	C 1UF, 10V	1	
	C5018	FlG1C104A077	C 0.1UF 16V	1	
	C5020	FlG1E1030005	C 0.01UF 25V	1	
	C5023	FlK1E106A136	C 10UF, 25V	1	
	C5255	ECJ1VB1A105K	C 1UF, 10V	1	
	C5256	ECJ1VB1A105K	C 1UF, 10V	1	
	C5668	FlG1C223A081	C 0.022UF, 16V	1	
	C5669	FlJ1A106A043	C 10UF, 10V	1	
	C5670	FlJ1A106A043	C 10UF, 10V	1	
	C5671	FlJ1A106A043	C 10UF, 10V	1	
	C5672	FlG1A333A032	C0.033UF, 10V	1	
	C5673	FlG1H5610004	C 560 pF 50 V	1	PAVCTH
	C5676	FlK1E106A136	C 10UF, 25V	1	
	C5762	FlK1A106A021	C 0.010UF, K,6.3V	1	
	C5900	FlJ1A106A043	C 10UF, 10V	1	
	C5901	FlJ1A106A043	C 10UF, 10V	1	
	C5902	FlJ1A106A043	C 10UF, 10V	1	
	C5905	FlG1C223A081	C 0.022UF, 16V	1	
	C5906	FlK1E106A136	C 10UF, 25V	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C5908	FlG1A333A032	C0.033UF, 10V	1	
	C5909	FlG1H1020008	C 1000PF 50V	1	
	C5911	FlJ1A106A043	C 10UF, 10V	1	
	C5912	FlG1E472A086	C 4700pF 25V	1	
	C5913	FlG1A473A032	C0.047UF, 10V	1	
	C5915	FlG1A473A032	C0.047UF, 10V	1	
	C5917	FlG1A473A032	C0.047UF, 10V	1	
	C5919	FlG1A473A032	C0.047UF, 10V	1	
	C8001	FlG1C104A077	C 0.1UF 16V	1	
	C8002	FlJ1A106A087	C 10UF, 10V	1	
	C8003	FlG1C104A077	C 0.1UF 16V	1	
	C8004	FlG1C104A077	C 0.1UF 16V	1	
	C8005	FlG1C104A077	C 0.1UF 16V	1	
	C8006	FlG1C104A077	C 0.1UF 16V	1	
	C8007	FlG1C104A077	C 0.1UF 16V	1	
	C8008	FlG1C104A077	C 0.1UF 16V	1	
	C8009	FlJ1A106A087	C 10UF, 10V	1	
	C8011	FlG1C104A077	C 0.1UF 16V	1	
	C8013	FlG1C104A077	C 0.1UF 16V	1	
	C8014	FlG1C104A077	C 0.1UF 16V	1	
	C8015	FlG1C104A077	C 0.1UF 16V	1	
	C8016	FlG1C104A077	C 0.1UF 16V	1	
	C8017	FlJ1A106A087	C 10UF, 10V	1	
	C8018	FlG1C104A077	C 0.1UF 16V	1	
	C8019	FlG1C104A077	C 0.1UF 16V	1	
	C8020	FlG1C104A077	C 0.1UF 16V	1	
	C8021	FlG1C104A077	C 0.1UF 16V	1	
	C8022	FlJ1A106A087	C 10UF, 10V	1	
	C8023	FlJ1A106A087	C 10UF, 10V	1	
	C8024	FlJ0G2260001	C 22 UF 4 V	1	
	C8026	FlG1C104A077	C 0.1UF 16V	1	
	C8027	FlG1C104A077	C 0.1UF 16V	1	
	C8028	FlG1C104A077	C 0.1UF 16V	1	
	C8030	FlG1C104A077	C 0.1UF 16V	1	
	C8032	FlG1C104A077	C 0.1UF 16V	1	
	C8036	FlG1C104A077	C 0.1UF 16V	1	
	C8039	FlG1C104A077	C 0.1UF 16V	1	
	C8040	FlJ1A106A087	C 10UF, 10V	1	
	C8041	FlG1H1020008	C 1000PF 50V	1	
	C8042	FlG1C104A077	C 0.1UF 16V	1	
	C8043	FlG1C104A077	C 0.1UF 16V	1	
	C8044	FlG1C104A077	C 0.1UF 16V	1	
	C8045	FlG1C104A077	C 0.1UF 16V	1	
	C8047	FlG1C104A077	C 0.1UF 16V	1	
	C8048	FlG1C104A077	C 0.1UF 16V	1	
	C8049	FlJ1A106A087	C 10UF, 10V	1	
	C8050	FlG1C104A077	C 0.1UF 16V	1	
	C8051	FlJ1A106A087	C 10UF, 10V	1	
	C8052	FlG1C104A077	C 0.1UF 16V	1	
	C8053	FlG1C104A077	C 0.1UF 16V	1	
	C8054	FlG1C104A077	C 0.1UF 16V	1	
	C8055	FlG1C104A077	C 0.1UF 16V	1	
	C8056	FlG1C104A077	C 0.1UF 16V	1	
	C8057	FlG1C104A077	C 0.1UF 16V	1	
	C8100	FlG1E682A123	C 6800 pF 25 V	1	
	C8102	FlJ1A475A087	C 4.7UF, 10V	1	
	C8104	FlH1C105A145	C 1 uF 16 V	1	
	C8106	FlG1C223A081	C 0.022UF, 16V	1	
	C8108	FlG1C104A077	C 0.1UF 16V	1	
	C8110	FlG1C104A077	C 0.1UF 16V	1	
	C8112	FlK1E106A136	C 10UF, 25V	1	
	C8114	FlK1E106A136	C 10UF, 25V	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C8116	FlK1E106A136	C 10UF, 25V	1	
	C8118	FlK1E106A136	C 10UF, 25V	1	
	C8120	FlJ0G2260001	C 22 UF 4 V	1	
	C8122	FlJ0G2260001	C 22 UF 4 V	1	
	C8124	FlJ0G2260001	C 22 UF 4 V	1	
	C8126	FlJ0G2260001	C 22 UF 4 V	1	
	C8128	FlJ0G2260001	C 22 UF 4 V	1	
	C8200	FlG1C104A077	C 0.1UF 16V	1	
	C8201	FlG1C104A077	C 0.1UF 16V	1	
	C8202	FlG1C104A077	C 0.1UF 16V	1	
	C8203	FlG1C104A077	C 0.1UF 16V	1	
	C8204	FlG1C104A077	C 0.1UF 16V	1	
	C8205	FlJ1A106A087	C 10UF, 10V	1	
	C8206	FlG1C104A077	C 0.1UF 16V	1	
	C8208	FlG1C104A077	C 0.1UF 16V	1	
	C8210	FlG1C104A077	C 0.1UF 16V	1	
	C8213	FlG1C104A077	C 0.1UF 16V	1	
	C8214	FlJ1A106A087	C 10UF, 10V	1	
	C8216	FlG1C104A077	C 0.1UF 16V	1	
	C8218	FlG1C104A077	C 0.1UF 16V	1	
	C8219	FlG1C104A077	C 0.1UF 16V	1	
	C8222	FlG1C104A077	C 0.1UF 16V	1	
	C8223	FlG1C104A077	C 0.1UF 16V	1	
	C8224	FlG1C104A077	C 0.1UF 16V	1	
	C8225	FlG1C104A077	C 0.1UF 16V	1	
	C8226	FlG1C104A077	C 0.1UF 16V	1	
	C8227	FlG1C104A077	C 0.1UF 16V	1	
	C8300	FlG1H9R0A732	C 9 PF, 50V	1	
	C8301	FlG1H8R0A564	C 8 PF, 50V	1	
	C8302	FlG1C104A077	C 0.1UF 16V	1	
	C8303	FlG1C104A077	C 0.1UF 16V	1	
	C8304	FlG1C104A077	C 0.1UF 16V	1	
	C8305	FlG1A105A047	C 1UF 10V	1	
	C8306	FlG1A105A047	C 1UF 10V	1	
	C8307	FlG1A105A047	C 1UF 10V	1	
	C8308	FlG1A105A047	C 1UF 10V	1	
	C8309	FlG1A105A047	C 1UF 10V	1	
	C8310	FlG1A105A047	C 1UF 10V	1	
	C8311	FlG1A105A047	C 1UF 10V	1	
	C8532	EEEB0J221UP	E 220UF, 6.3V	1	
	C8534	FlJ1A106A043	C 10UF, 10V	1	
	C8535	FlG1C104A077	C 0.1UF 16V	1	
	C8536	EEEB0J221UP	E 220UF, 6.3V	1	
	C8538	FlJ1A106A043	C 10UF, 10V	1	
	C8539	FlG1C104A077	C 0.1UF 16V	1	
	C8542	FlJ1A106A043	C 10UF, 10V	1	
	C8543	FlG1C104A077	C 0.1UF 16V	1	
	C8544	FlJ1A106A043	C 10UF, 10V	1	
	C8545	FlG1C104A077	C 0.1UF 16V	1	
	C8546	EEEB0J221UP	E 220UF, 6.3V	1	
	C8548	FlJ1A106A043	C 10UF, 10V	1	
	C8549	FlG1C104A077	C 0.1UF 16V	1	
	C8550	FlJ1A106A043	C 10UF, 10V	1	
	C8551	FlG1C104A077	C 0.1UF 16V	1	
	C8565	FlG1C104A077	C 0.1UF 16V	1	
	C8570	FlG1C104A077	C 0.1UF 16V	1	
	C8603	FlJ1A106A043	C 10UF, 10V	1	
	C8604	FlG1C104A077	C 0.1UF 16V	1	
	C8605	FlG1C104A077	C 0.1UF 16V	1	
	C8607	FlG1H100A565	C 10PF 50V	1	
	C8608	FlG1H100A565	C 10PF 50V	1	
	C8609	FlG1C104A077	C 0.1UF 16V	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C8611	FlG1C104A077	C 0.1UF 16V	1	
	C8615	FlJ1A106A043	C 10UF, 10V	1	
	C8616	FlJ1A106A043	C 10UF, 10V	1	
	C8619	FlG1C104A077	C 0.1UF 16V	1	
	C8620	FlG1C104A077	C 0.1UF 16V	1	
	C8627	FlG1C104A077	C 0.1UF 16V	1	
	C8629	FlJ0G2260001	C 22 UF 4 v	1	
	C8630	FlJ0G2260001	C 22 UF 4 v	1	
	C8633	FlJ1A106A043	C 10UF, 10V	1	
	C8635	FlJ1A106A043	C 10UF, 10V	1	
	C8660	FlG1H470A565	C 47PF, 50V	1	
	C8661	FlG1H470A565	C 47PF, 50V	1	
	C8707	FlG1C223A081	C 0.022UF, 16V	1	
	C8714	FlJ1A475A087	C 4.7UF, 10V	1	
	C8715	FlJ1A106A043	C 10UF, 10V	1	
	C8716	FlG1C104A077	C 0.1UF 16V	1	
	C8717	FlG1C104A077	C 0.1UF 16V	1	
	C8718	FlK1E106A136	C 10UF, 25V	1	
	C8719	FlK1E106A136	C 10UF, 25V	1	
	C8763	FlG1C104A077	C 0.1UF 16V	1	
	C8764	ECJ1VB1A105K	C 1UF, 10V	1	
	C8765	ECJ1VB1A105K	C 1UF, 10V	1	
	C8781	FlG1C104A077	C 0.1UF 16V	1	
	C8783	FlJ1A106A043	C 10UF, 10V	1	
	C8784	FlG1H103A509	C 0.01PF, 50V	1	PAVCTH
	C8785	FlJ1A106A043	C 10UF, 10V	1	
	C8789	FlG1A333A032	C0.033UF, 10V	1	
	C8790	FlJ1A106A043	C 10UF, 10V	1	
	C8791	FlJ1A106A043	C 10UF, 10V	1	
	C8792	FlG1H5610004	C 560 pF 50 v	1	PAVCTH
	C8793	FlJ1A106A043	C 10UF, 10V	1	
	C8795	FlK1E106A136	C 10UF, 25V	1	
	C8796	FlG1H821A459	C 820 pF 50 v	1	PAVCTH
	C8810	FlJ1A106A043	C 10UF, 10V	1	
	C8813	FlJ1A106A043	C 10UF, 10V	1	
	C8900	FlG1C104A077	C 0.1UF 16V	1	
	C8901	FlG1C104A077	C 0.1UF 16V	1	
	C8902	FlG1C104A077	C 0.1UF 16V	1	
	C8903	FlG1C104A077	C 0.1UF 16V	1	
	C8950	FlG1H101A565	C 100PF 50V	1	
	C8951	FlG1H101A565	C 100PF 50V	1	
	C9052	FlG1C104A077	C 0.1UF 16V	1	
	C9099	FlG1C104A077	C 0.1UF 16V	1	
	C9100	FlJ1A106A087	C 10UF, 10V	1	
	C9101	FlG1E1030005	C 0.01UF 25V	1	
	C9102	FlK1E106A136	C 10UF, 25V	1	
	C9103	FlG1E1030005	C 0.01UF 25V	1	
	C9104	FlG1C104A077	C 0.1UF 16V	1	
	C9105	FlG1C104A077	C 0.1UF 16V	1	
	C9106	FlG1H5610004	C 560 pF 50 v	1	PAVCTH
	C9108	FlG1C104A077	C 0.1UF 16V	1	
	C9300	FlG1C104A077	C 0.1UF 16V	1	
	C9301	FlG1H150A565	C 15PF, 50V	1	
	C9302	FlG1H180A565	C 18PF, 50V	1	
	C9308	FlG1C104A077	C 0.1UF 16V	1	
	C9311	FlG1C104A077	C 0.1UF 16V	1	
	C9312	FlJ1A106A087	C 10UF, 10V	1	
	C9313	FlG1C104A077	C 0.1UF 16V	1	
	C9328	FlG1C104A077	C 0.1UF 16V	1	
	C9330	FlG1A105A047	C 1UF 10V	1	
	C9331	FlG1A105A047	C 1UF 10V	1	
	C9332	FlG1A105A047	C 1UF 10V	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C9337	FlJ1A106A087	C 10UF, 10V	1	
	C9362	FlG1C104A077	C 0.1UF 16V	1	
	C9366	FlG1A105A047	C 1UF 10V	1	
	C9371	FlJ1A106A087	C 10UF, 10V	1	
	C9375	FlG1C104A077	C 0.1UF 16V	1	
	C9380	FlG1C104A077	C 0.1UF 16V	1	
	C9389	FlG1A105A047	C 1UF 10V	1	
	C9392	FlJ1A106A087	C 10UF, 10V	1	
	C9400	FlG1C104A077	C 0.1UF 16V	1	
	C9401	FlG1C104A077	C 0.1UF 16V	1	
	C9402	FlG1C104A077	C 0.1UF 16V	1	
	C9404	FlG1C104A077	C 0.1UF 16V	1	
	C9407	FlG1C104A077	C 0.1UF 16V	1	
	C9409	FlJ1A106A087	C 10UF, 10V	1	
	C9411	FlJ1A106A087	C 10UF, 10V	1	
	C9413	FlJ1A106A087	C 10UF, 10V	1	
	C9415	FlJ1A106A087	C 10UF, 10V	1	
	C9589	FlJ1A106A087	C 10UF, 10V	1	
	C9590	FlG1E1030005	C 0.01UF 25V	1	
	C9820	FlJ1A106A087	C 10UF, 10V	1	
	C9822	FlJ1A106A087	C 10UF, 10V	1	
	C9860	FlG1E472A086	C 4700pF 25V	1	
	C9861	FlJ1A475A087	C 4.7UF, 10V	1	
	C9862	FlK1E106A136	C 10UF, 25V	1	
	C9863	FlK1E106A136	C 10UF, 25V	1	
	C9864	FlK1E106A136	C 10UF, 25V	1	
	C9865	FlJ1A106A043	C 10UF, 10V	1	
	C9866	FlJ0G2260001	C 22 UF 4 V	1	
	C9867	FlJ1A106A043	C 10UF, 10V	1	
	C9868	FlJ0G2260001	C 22 UF 4 V	1	
	C9869	FlJ1A106A043	C 10UF, 10V	1	
	C9871	FlJ0G2260001	C 22 UF 4 V	1	
	C9872	FlH1C105A145	C 1 uF 16 V	1	
	C9873	FlG1E122A123	C 1200pF 25V	1	PAVCTH
	C9874	FlG1C104A077	C 0.1UF 16V	1	
	C9875	FlG1C104A077	C 0.1UF 16V	1	
	C9876	FlK1E106A136	C 10UF, 25V	1	
	C16003	FlL2J562A022	C 5600PF, 630V	1	
	C16011	F2A2E191A264	E 190UF, 250V	1	PAVCTH
	C16012	F2A2E191A264	E 190UF, 250V	1	PAVCTH
	C16013	F2A2E191A264	E 190UF, 250V	1	PAVCTH
	C16018	F0C2E115A280	C 1.1 UF 250 V	1	PAVCTH
	C16024	FlL2J332A022	C 3300PF, 630V	1	
	C16041	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16043	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16044	FlE2J821A002	C 820PF, 630V	1	
	C16045	FlE2J821A002	C 820PF, 630V	1	
	C16051	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16053	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16061	FlE2J821A002	C 820PF, 630V	1	
	C16101	FlL2J222A022	C 2200PF, 630V	1	
	C16104	FlH1E470A130	C 47PF, 25V	1	
	C16105	FlH1E470A130	C 47PF, 25V	1	
	C16131	FlK1E475A134	C 4.7UF 25V	1	
	C16132	FlH1C105A145	C 1 uF 16 V	1	
	C16133	F2A1E1010130	E 100UF, 25V	1	PAVCTH
	C16135	FlK1E105A029	C 1UF, 25V	1	
	C16153	FlK1E475A134	C 4.7UF 25V	1	
	C16154	FlK1E475A134	C 4.7UF 25V	1	
	C16191	FlK1E475A134	C 4.7UF 25V	1	
	C16192	FlH1C105A145	C 1 uF 16 V	1	
	C16193	F2A1E4700094	E 47UF, 25V	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C16195	F1K1E105A029	C 1UF, 25V	1	
	C16201	F0C2E405A279	C 4.0 UF 250 V	1	PAVCTH
	C16202	F0C2E405A279	C 4.0 UF 250 V	1	PAVCTH
	C16242	F1H1C105A145	C 1 uF 16 V	1	
	C16243	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C16244	FLJ1A106A087	C 10UF, 10V	1	
	C16271	F2A1E151B705	E 150UF, 25V	1	PAVCTH
	C16280	F1K1E105A029	C 1UF, 25V	1	
	C16285	F1H1H104A970	C 0.1UF, , 50V	1	
	C16286	F1H1H104A970	C 0.1UF, , 50V	1	
	C16287	F1H1H104A970	C 0.1UF, , 50V	1	
	C16314	F2A2E191A264	E 190UF, 250V	1	PAVCTH
	C16315	ECJ1VB1A105K	C 1UF, 10V	1	
	C16316	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C16317	ECJ1VB1A105K	C 1UF, 10V	1	
	C16318	FLJ1H104A717	C 0.1UF, 50V	1	
	C16319	FLJ1H104A717	C 0.1UF, 50V	1	
	C16328	F2A2T131A021	E 130UF, 220V	1	PAVCTH
	C16330	F0C2E115A280	C 1.1 UF 250 V	1	PAVCTH
	C16362	F1L2J562A022	C 5600PF, 630V	1	
	C16363	F1L2J332A022	C 3300PF, 630V	1	
	C16401	F1L2J332A022	C 3300PF, 630V	1	
	C16402	F1L2J332A022	C 3300PF, 630V	1	
	C16403	F1L2J332A022	C 3300PF, 630V	1	
	C16411	F2A2E191A264	E 190UF, 250V	1	PAVCTH
	C16412	F2A2E191A264	E 190UF, 250V	1	PAVCTH
	C16413	F2A2E191A264	E 190UF, 250V	1	PAVCTH
	C16414	F2A2E191A264	E 190UF, 250V	1	PAVCTH
	C16415	F0C2E115A280	C 1.1 UF 250 V	1	PAVCTH
	C16421	F1L2J332A022	C 3300PF, 630V	1	
	C16422	F1L2J332A022	C 3300PF, 630V	1	
	C16441	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16442	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16451	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16452	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16460	F1E2J222A002	C 2200PF, 630V	1	
	C16472	ECJ1VB1A105K	C 1UF, 10V	1	
	C16490	F1H1C105A145	C 1 uF 16 V	1	
	C16502	F1K1E475A134	C 4.7UF 25V	1	
	C16503	F2A1E151B705	E 150UF, 25V	1	PAVCTH
	C16505	F1K1E105A029	C 1UF, 25V	1	
	C16506	F1H1C105A145	C 1 uF 16 V	1	
	C16507	F0C2E115A280	C 1.1 UF 250 V	1	PAVCTH
	C16531	F1K1E475A134	C 4.7UF 25V	1	
	C16534	F1H1C105A145	C 1 uF 16 V	1	
	C16551	F1K1E475A134	C 4.7UF 25V	1	
	C16561	FLJ1A106A087	C 10UF, 10V	1	
	C16562	F1H1C105A145	C 1 uF 16 V	1	
	C16564	F1H1C105A145	C 1 uF 16 V	1	
	C16565	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C16566	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C16567	F1H1C105A145	C 1 uF 16 V	1	
	C16584	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16593	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C16602	F1H1H2200008	C 22PF, 50V	1	
	C16603	F1K2J102A014	C 1000PF, 630V	1	
	C16604	F1K2J102A014	C 1000PF, 630V	1	
	C16631	F0C2E405A279	C 4.0 UF 250 V	1	PAVCTH
	C16632	F0C2E405A279	C 4.0 UF 250 V	1	PAVCTH
	C16641	F1K2J222A014	C 2200PF ,630V	1	
	C16645	F1K2J102A014	C 1000PF, 630V	1	
	C16646	F1K2J102A014	C 1000PF, 630V	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C16661	F1K2J102A038	C 1000PF, 630V	1	
	C16662	F1K2J102A038	C 1000PF, 630V	1	
	C16664	ECJ1XC1H820J	C 82PF, J, 50V	1	
	C16665	ECJ1XC1H820J	C 82PF, J, 50V	1	
	C16666	ECJ1XC1H820J	C 82PF, J, 50V	1	
	C16668	F1H1H821A831	C 820 PF, 50V	1	PAVCTH
	C16685	F1H1H104A970	C 0.1UF, , 50V	1	
	C16692	F1H1H104A970	C 0.1UF, , 50V	1	
	C16723	F1K1E105A029	C 1UF, 25V	1	
	C16724	F1K1E475A134	C 4.7UF 25V	1	
	C16753	F1K1E475A134	C 4.7UF 25V	1	
	C16770	F1H1C105A145	C 1 uF 16 V	1	
	C16791	F2A1E151B705	E 150UF, 25V	1	PAVCTH
	C16793	F2A1E151B705	E 150UF, 25V	1	PAVCTH
	C16794	FLJ1A106A087	C 10UF, 10V	1	
	C16795	F2A1E151B705	E 150UF, 25V	1	PAVCTH
	C16796	F1K1E475A134	C 4.7UF 25V	1	
	C16797	F1H1H104A970	C 0.1UF, , 50V	1	
	C16813	F2A2T131A021	E 130UF, 220V	1	PAVCTH
	C16833	F1K2J222A014	C 2200PF ,630V	1	
	C16834	F1K2J222A014	C 2200PF ,630V	1	
	C16842	F2A2C131A210	E 130UF, 160V	1	PAVCTH
	C16843	ECJ1VB1A105K	C 1UF, 10V	1	
	C16844	FLJ1H104A717	C 0.1UF, 50V	1	
	C16854	FLJ1H104A717	C 0.1UF, 50V	1	
	C16856	ECJ1VB1A105K	C 1UF, 10V	1	
	C16858	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C16859	FLJ1H104A717	C 0.1UF, 50V	1	
	C16860	ECJ1VB1A105K	C 1UF, 10V	1	
	C16861	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C16862	ECJ1VB1A105K	C 1UF, 10V	1	
	C16863	FLJ1H104A717	C 0.1UF, 50V	1	
	C16865	F1H1C105A145	C 1 uF 16 V	1	
	C16891	F1K1E105A029	C 1UF, 25V	1	
	C16902	F1E2J472A001	C 4700PF, 630V	1	
	C16903	F1E2J152A002	C 1500PF, 630V	1	
	C16907	F1E2J221A002	C 220PF, 630V	1	
	C16910	F1E2J821A002	C 820PF, 630V	1	
	C16912	F1E2J821A002	C 820PF, 630V	1	
	C17101	ECJ1VB1A105K	C 1UF, 10V	1	
	C17102	ECJ1VB1A105K	C 1UF, 10V	1	
	C17103	ECJ1VB1A105K	C 1UF, 10V	1	
	C17109	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17110	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17112	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17114	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C17115	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C17116	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C17117	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C17201	ECJ1VB1A105K	C 1UF, 10V	1	
	C17202	ECJ1VB1A105K	C 1UF, 10V	1	
	C17203	ECJ1VB1A105K	C 1UF, 10V	1	
	C17204	ECJ1VB1A105K	C 1UF, 10V	1	
	C17205	ECJ1VB1A105K	C 1UF, 10V	1	
	C17206	ECJ1VB1A105K	C 1UF, 10V	1	
	C17207	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C17208	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C17223	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17224	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17228	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17229	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17231	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C17233	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17301	ECJ1VB1A105K	C 1UF, 10V	1	
	C17302	ECJ1VB1A105K	C 1UF, 10V	1	
	C17303	ECJ1VB1A105K	C 1UF, 10V	1	
	C17304	ECJ1VB1A105K	C 1UF, 10V	1	
	C17305	ECJ1VB1A105K	C 1UF, 10V	1	
	C17306	ECJ1VB1A105K	C 1UF, 10V	1	
	C17307	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C17328	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17330	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17332	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17333	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17336	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	C17337	F1K2A224A033	C 0.22UF, 100V	1	PAVCTH
	CB1	K1MY55B00002	55P CONNECTOR	1	
	CB2	K1MY55B00002	55P CONNECTOR	1	
	CB3	K1MY55B00002	55P CONNECTOR	1	
	CB4	K1MY55B00002	55P CONNECTOR	1	
	CB5	K1MY55B00002	55P CONNECTOR	1	
	CB6	K1MY55B00002	55P CONNECTOR	1	
	CB7	K1MY55B00002	55P CONNECTOR	1	
	CB8	K1MY55B00002	55P CONNECTOR	1	
	CB9	K1MY55B00002	55P CONNECTOR	1	
	CB10	K1MY55B00002	55P CONNECTOR	1	
	CB11	K1MY55B00002	55P CONNECTOR	1	
	CB12	K1MY55B00002	55P CONNECTOR	1	
	CB13	K1MY55B00002	55P CONNECTOR	1	
	CB14	K1MY55B00002	55P CONNECTOR	1	
	CB15	K1MY55B00002	55P CONNECTOR	1	
	D101	B0FBCR000025	DIODE	1	PAVCTH
	D102	B0EAKT000067	DIODE	1	PAVCTH
	D103	B0EAKT000067	DIODE	1	PAVCTH
	D104	B0AACK000004	DIODE	1	
	D105	B0AACK000004	DIODE	1	
	D106	B0FBCR000025	DIODE	1	PAVCTH
	D107	B0ACCU000048	DIODE	1	
	D131	B0BA02800001	ZENER DIODE	1	
	D132	B0BA02800001	ZENER DIODE	1	
	D133	B0BA01400009	ZENER DIODE	1	
	D201	B0FABR000018	DIODE	1	PAVCTH
	D201	D4EAC6210002	VARISTOR	1	
	D202	B0FABR000018	DIODE	1	PAVCTH
	D202	D4EAC6210002	VARISTOR	1	
	D203	B0ECKM000053	DIODE	1	PAVCTH
	D203	D4EAC6210002	VARISTOR	1	
	D204	B0ECKM000053	DIODE	1	PAVCTH
	D204	D4EAC6210002	VARISTOR	1	
	D205	D4EAC6210002	VARISTOR	1	
	D206	B0ECKM000053	DIODE	1	PAVCTH
	D207	B0ECKM000053	DIODE	1	PAVCTH
	D209	TVSRM10B	DIODE	1	
	D210	B0ECKM000053	DIODE	1	PAVCTH
	D211	B0ECKM000053	DIODE	1	PAVCTH
	D301	B0HAGV000004	DIODE	1	
	D302	B0ECKM000053	DIODE	1	PAVCTH
	D303	B0ECKM000053	DIODE	1	PAVCTH
	D304	B0ECKM000053	DIODE	1	PAVCTH
	D305	B0ECKM000053	DIODE	1	PAVCTH
	D331	B0BC01400019	DIODE	1	PAVCTH
	D332	B0BC01000014	ZENER DIODE	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	D333	B0BC01000014	ZENER DIODE	1	
	D351	B0AAQP000002	DIODE	1	PAVCTH
	D352	B0AAQM000003	DIODE	1	PAVCTH
	D353	B0ECKM000053	DIODE	1	PAVCTH
	D354	B0JBSL000049	DIODE	1	PAVCTH
	D382	B0BC5R600003	DIODE	1	
	D383	B0BB14500005	ZENER DIODE	1	PAVCTH
	D384	B0BB14500005	ZENER DIODE	1	PAVCTH
	D401	B0EAKT000048	DIODE	1	
	D402	TVSRM10B	DIODE	1	
	D403	TVSRM10B	DIODE	1	
	D404	B0ECKP000060	DIODE	1	PAVCTH
	D405	B0BA3R100012	ZENER DIODE	1	PAVCTH
	D406	B0HAGV000004	DIODE	1	
	D407	B0ECKP000060	DIODE	1	PAVCTH
	D408	B0ECKM000053	DIODE	1	PAVCTH
	D409	B0ECKM000053	DIODE	1	PAVCTH
	D410	B0ECKM000053	DIODE	1	PAVCTH
	D411	B0HAGV000004	DIODE	1	
	D412	DB2X41500L	DIODE	1	PAVCTH
	D421	D4EAC6210002	VARISTOR	1	
	D422	D4EAC6210002	VARISTOR	1	
	D451	B0JBSL000049	DIODE	1	PAVCTH
	D452	B0ACCCJ000048	DIODE	1	
	D453	B0ACCCJ000048	DIODE	1	
	D454	B0ACCCJ000048	DIODE	1	
	D455	B0ACCCJ000048	DIODE	1	
	D456	DB2X41500L	DIODE	1	PAVCTH
	D458	B0ACCCJ000048	DIODE	1	
	D459	B0JBSL000049	DIODE	1	PAVCTH
	D463	B0ACCCJ000048	DIODE	1	
	D464	B0ACCCJ000048	DIODE	1	
	D501	B0ECKP000060	DIODE	1	PAVCTH
	D531	B0BA01400009	ZENER DIODE	1	
	D532	B0BC5R600003	DIODE	1	
	D553	B0ACCCJ000048	DIODE	1	
	D554	B0ACCCJ000048	DIODE	1	
	D555	B0ACCCJ000048	DIODE	1	
	D556	B0ACCCJ000048	DIODE	1	
	D581	B0BC5R600003	DIODE	1	
	D583	B0BA3R100012	ZENER DIODE	1	PAVCTH
	D584	B0BA3R100012	ZENER DIODE	1	PAVCTH
	D601	B0ACCCJ000048	DIODE	1	
	D603	B0ECKM000053	DIODE	1	PAVCTH
	D631	B0BC6R700006	DIODE	1	PAVCTH
	D655	B0ACCCJ000048	DIODE	1	
	D656	B0ACCCJ000048	DIODE	1	
	D657	B0ACCCJ000048	DIODE	1	
	D658	B0ACCCJ000048	DIODE	1	
	D663	B0ACCCJ000048	DIODE	1	
	D664	B0ACCCJ000048	DIODE	1	
	D667	B0ACCCJ000048	DIODE	1	
	D670	B0ACCCJ000048	DIODE	1	
	D674	B0ACCCJ000048	DIODE	1	
	D681	B0BC7R500001	DIODE	1	
	D682	B0BC6R100010	DIODE	1	PAVCTH
	D683	B0BC01000014	ZENER DIODE	1	
	D2820	B3AGB0000065	LED	1	PAVCTH
	D2850	B3EB00000056	LED	1	PAVCTH
	D2851	B3EB00000056	LED	1	PAVCTH
	D2852	B3EB00000056	LED	1	PAVCTH
	D2853	B3EB00000056	LED	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	D3050	K7AAAY000006	PHOTO LINK	1	
	D4703	DZ2J056M0L	ZENER DIODE	1	
	D4704	B0JCCD000020	DIODE	1	PAVCTH
	D4720	DZ2J056M0L	ZENER DIODE	1	
	D4721	B0JCCD000020	DIODE	1	PAVCTH
	D4771	DZ2J056M0L	ZENER DIODE	1	
	D4772	B0JCCD000020	DIODE	1	PAVCTH
	D4773	B0JCCE000008	DIODE	1	
	D4774	DZ2J056M0L	ZENER DIODE	1	
	D4775	B0JCCD000020	DIODE	1	PAVCTH
	D4785	B0ECKM000048	DIODE	1	
	D5621	B0ACCCJ000048	DIODE	1	
	D5622	B0ACCCJ000048	DIODE	1	
	D5624	B0BC010A0007	ZENER DIODE	1	
	D5625	B0ACCCJ000048	DIODE	1	
	D5626	DZ2J033M0L	ZENER DIODE	1	
	D5627	B0JCMD000066	ZENER DIODE	1	
	D5703	B0ACCCJ000048	DIODE	1	
	D5704	B0ACCCJ000048	DIODE	1	
	D5904	B0JCMD000066	ZENER DIODE	1	
	D8711	B0ADCJ000100	DIODE	1	
	D8712	DZ2J068M0L	ZENER DIODE	1	
	D8713	DZ2J068M0L	ZENER DIODE	1	
	D8716	B0ACCCJ000048	DIODE	1	
	D8720	B0JCMD000066	ZENER DIODE	1	
	D8724	B0JCPE000038	DIODE	1	
	D8726	DZ2J068M0L	ZENER DIODE	1	
	D8727	B0ADCJ000100	DIODE	1	
	D8728	DZ2J068M0L	ZENER DIODE	1	
	D9806	B0ADCJ000100	DIODE	1	
	D9807	B0ADCJ000100	DIODE	1	
	D16001	DA3CF30ACL	ZENER DIODE	1	PAVCTH
	D16021	DA3CF30ACL	ZENER DIODE	1	PAVCTH
	D16041	B0FCCN000003	DIODE	1	
	D16043	B0FCCN000003	DIODE	1	
	D16051	B0FCCN000001	DIODE	1	
	D16053	B0FCCN000001	DIODE	1	
	D16071	B0ECKP000055	DIODE	1	
	D16072	DA3CF30ACL	ZENER DIODE	1	PAVCTH
	D16131	B0ECKP000055	DIODE	1	
	D16133	B0ACCCJ000048	DIODE	1	
	D16134	DZ2J051M0L	ZENER DIODE	1	
	D16191	B0ECKP000055	DIODE	1	
	D16192	B0ACCCJ000048	DIODE	1	
	D16193	DZ2J051M0L	ZENER DIODE	1	
	D16243	B0ADCJ000100	DIODE	1	
	D16251	DZ2J330M0L	ZENER DIODE	1	
	D16252	DZ2J330M0L	ZENER DIODE	1	
	D16253	DZ2J051M0L	ZENER DIODE	1	
	D16254	B3ABB0000210	LED	1	
	D16255	B0ADCJ000100	DIODE	1	
	D16282	DZ2J068M0L	ZENER DIODE	1	
	D16285	B0ADEJ000035	ZENER DIODE	1	
	D16286	B0ACCCJ000048	DIODE	1	
	D16315	DZ2J150M0L	ZENER DIODE	1	
	D16316	B0ECKP000055	DIODE	1	
	D16317	B0ECKP000055	DIODE	1	
	D16362	DA3CF30ACL	ZENER DIODE	1	PAVCTH
	D16401	B0FCCN000003	DIODE	1	
	D16407	B0JCME000093	DIODE	1	
	D16411	B0ADCJ000100	DIODE	1	
	D16413	B0ACCCJ000048	DIODE	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	D16421	DA3CF30ACL	ZENER DIODE	1	PAVCTH
	D16430	B0ECKP000055	DIODE	1	
	D16432	B0FCBN000001	DIODE	1	PAVCTH
	D16461	B0FCCN000003	DIODE	1	
	D16462	B0FCCN000003	DIODE	1	
	D16473	B0ACCCJ000048	DIODE	1	
	D16474	B0ACCCJ000048	DIODE	1	
	D16475	DZ2J051M0L	ZENER DIODE	1	
	D16476	B0ACCCJ000048	DIODE	1	
	D16481	B0FCCN000001	DIODE	1	
	D16482	B0FCCN000001	DIODE	1	
	D16491	B0ACCCJ000048	DIODE	1	
	D16492	DZ2J047M0L	ZENER DIODE	1	
	D16493	B0ADCJ000100	DIODE	1	
	D16506	DZ2J051M0L	ZENER DIODE	1	
	D16534	DZ2J051M0L	ZENER DIODE	1	
	D16536	B0ECKP000055	DIODE	1	
	D16537	B0ADCJ000100	DIODE	1	
	D16538	B0ADCJ000100	DIODE	1	
	D16581	DZ2J330M0L	ZENER DIODE	1	
	D16582	DZ2J330M0L	ZENER DIODE	1	
	D16583	B3ABB0000210	LED	1	
	D16602	DZ2J043M0L	ZENER DIODE	1	
	D16603	B0ACCCJ000048	DIODE	1	
	D16604	B0ADCJ000100	DIODE	1	
	D16605	B0ACCCJ000048	DIODE	1	
	D16607	B0ACCCJ000048	DIODE	1	
	D16608	B0ECKP000055	DIODE	1	
	D16609	B0ECKP000055	DIODE	1	
	D16618	B0ECKP000055	DIODE	1	
	D16641	B0FCCN000004	DIODE	1	PAVCTH
	D16642	B0FCCN000004	DIODE	1	PAVCTH
	D16643	B0FCCN000004	DIODE	1	PAVCTH
	D16645	DZ2J150M0L	ZENER DIODE	1	
	D16646	DZ2J150M0L	ZENER DIODE	1	
	D16647	DZ2J150M0L	ZENER DIODE	1	
	D16648	DZ2J043M0L	ZENER DIODE	1	
	D16651	DZ2J051M0L	ZENER DIODE	1	
	D16652	B0ECKP000055	DIODE	1	
	D16662	DZ2J150M0L	ZENER DIODE	1	
	D16663	DZ2J150M0L	ZENER DIODE	1	
	D16664	DZ2J150M0L	ZENER DIODE	1	
	D16669	B0ACCCJ000048	DIODE	1	
	D16673	B0ECHR000004	DIODE	1	PAVCTH
	D16674	B0ECHR000004	DIODE	1	PAVCTH
	D16685	B0ACCCJ000048	DIODE	1	
	D16710	DZ2J15000L	ZENER DIODE	1	
	D16711	B0ECHR000004	DIODE	1	PAVCTH
	D16712	B0ECHR000004	DIODE	1	PAVCTH
	D16713	B0ECHS000002	DIODE	1	PAVCTH
	D16714	B0ECHS000002	DIODE	1	PAVCTH
	D16720	B0ECHR000004	DIODE	1	PAVCTH
	D16728	B0ECKP000055	DIODE	1	
	D16791	DZ2J240M0L	ZENER DIODE	1	
	D16792	B0ACCCJ000048	DIODE	1	
	D16795	B0ACCCJ000048	DIODE	1	
	D16822	B0ACCCJ000048	DIODE	1	
	D16823	B0ADCJ000100	DIODE	1	
	D16824	B0ACCCJ000048	DIODE	1	
	D16825	DZ2J330M0L	ZENER DIODE	1	
	D16833	B0ECHR000004	DIODE	1	PAVCTH
	D17101	B0ACCCJ000048	DIODE	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	D17102	B0ACCJ000048	DIODE	1	
	D17103	B0JCCD000020	DIODE	1	PAVCTH
	D17301	B0ACCJ000048	DIODE	1	
	D17302	B0ACCJ000048	DIODE	1	
	D17303	B0JCCD000020	DIODE	1	PAVCTH
	F101	K5E103BZ00002	FUSE	1	
	F102	K5E103BZ00002	FUSE	1	
	F103	K5Y202Y00001	FUSE	1	PAVCTH
	F301	K5Y502Y00001	FUSE	1	PAVCTH
	IC201	C0DBBYY00025	IC	1	PAVCTH
	IC301	C0DABYY00025	IC	1	PAVCTH
	IC351	C0DBEYY00078	IC	1	
	IC352	C0DAAYY00063	IC	1	PAVCTH
	IC401	C0DAAYY00065	IC	1	PAVCTH
	IC451	C0DBEYY00078	IC	1	
	IC453	C0ABBA000059	IC	1	PAVCTH
	IC455	C0DBAYY00922	IC	1	PAVCTH
	IC601	C0DBEYY00078	IC	1	
	IC651	C0BBBA000024	IC	1	
	IC652	C0DBEYY00078	IC	1	
	IC3001	C1AB00003385	IC	1	PAVCTH
	IC3753	C1ZBZ0004368	IC	1	PAVCTH
	IC4700	C1AB00003469	IC	1	PAVCTH
	IC4701	C0DBGYY00578	IC	1	
	IC4900	C1AB00003457	IC	1	PAVCTH
	IC5000	AN34044A-VF	IC	1	PAVCTH
	IC5251	C0CBCBC00227	IC	1	
	IC5607	C0DBAYY00931	IC	1	PAVCTH
	IC5900	C0DBAYY00931	IC	1	PAVCTH
	IC5901	C1ZBZ0004339	IC	1	PAVCTH
	IC8000	MN2WS0200LE	IC	1	PAVCTH
	IC8100	C0DBAYY00715	IC	1	
	IC8200	C3ABUY000009	IC	1	PAVCTH
	IC8201	C3ABTY000025	IC	1	
	IC8531	C0DBZYY00368	IC	1	
	IC8532	C0DBZYY00368	IC	1	
	IC8601	C1CB00003491	IC	1	
	IC8602	C0DBAGF00030	IC	1	
	IC8603	C0DBZYY00450	IC	1	PAVCTH
	IC8701	C0DBAYY00931	IC	1	PAVCTH
	IC8702	C0DBAFG00029	IC	1	PAVCTH
	IC8706	C0DBGYY00887	IC	1	
	IC8712	C0DBAYY01058	IC	1	PAVCTH
	IC8714	C0DBGYY01682	IC	1	PAVCTH
	IC8900	TVRS216	IC	1	PAVCTH
	IC8901	TVR***2A	IC	1	(A) PAVCTH
	IC8901	TVR***2Z	IC	1	(Z) PAVCTH
	IC8902	TVR***3A	IC	1	(A) PAVCTH
	IC8902	TVR***3Z	IC	1	(Z) PAVCTH
	IC9300	C1AB00003461	IC	1	PAVCTH
	IC9304	TVRS272AA	IC	1	PAVCTH
	IC9400	C0JBAU000089	IC	1	PAVCTH
	IC9401	C0JBAU000089	IC	1	PAVCTH
	IC9402	C0JBAU000089	IC	1	PAVCTH
	IC9820	C0CBCAG00046	IC	1	
	IC9860	C0DBAYY00715	IC	1	
	IC16131	C0ZBZ0001822	IC	1	PAVCTH
	IC16132	C0ZBZ0001822	IC	1	PAVCTH
	IC16151	C0ZBZ0001822	IC	1	PAVCTH
	IC16152	C0ZBZ0001822	IC	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	IC16191	C0ZBZ0001822	IC	1	PAVCTH
	IC16241	C0JBAU000088	IC	1	
	IC16243	C0JBAB000715	IC	1	
	IC16244	C0JBAA000558	IC	1	PAVCTH
	IC16304	MIP3910MSSCF	IC	1	
	IC16312	C0DBZMC00006	IC	1	
	IC16471	C0DBEYY00114	IC	1	
	IC16490	C0DBZMC00006	IC	1	
	IC16491	C0BBAA000008	LINEAR IC	1	
	IC16501	C0ZBZ0001822	IC	1	PAVCTH
	IC16502	C0ZBZ0001822	IC	1	PAVCTH
	IC16521	C0ZBZ0001822	IC	1	PAVCTH
	IC16522	C0ZBZ0001822	IC	1	PAVCTH
	IC16561	C0JBAU000088	IC	1	
	IC16562	C0JBAU000088	IC	1	
	IC16563	C0JBAB000996	IC	1	PAVCTH
	IC16564	C0JBAE000321	IC	1	
	IC16565	C0JBAE000321	IC	1	
	IC16684	C0ZBZ0001822	IC	1	PAVCTH
	IC16691	C0JBAC000509	IC	1	PAVCTH
	IC16724	C0CBADE00049	IC	1	
	IC16784	MIP3910MSSCF	IC	1	
	IC16785	C0DBZYY00352	IC	1	
	IC16786	MIP3910MSSCF	IC	1	
	IC16787	C0DBZYY00352	IC	1	
	IC16792	C0BBAA000008	LINEAR IC	1	
	IC16793	C0DBZMC00006	IC	1	
	IC16795	C0CBALC00012	IC	1	
	IC16921	C1ZBZ0004292	IC	1	PAVCTH
	IC17201	C0JBAU000088	IC	1	
	IC17202	C0JBAU000088	IC	1	
	IC17301	C0JBAU000088	IC	1	
	JA1	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA2	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA3	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA4	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA5	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA6	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA7	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA8	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA10	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA11	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA14	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA15	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA16	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA18	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA19	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA22	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA23	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA24	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA26	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA27	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA28	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA29	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA30	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA32	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA34	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA36	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA37	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA38	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH
	JA39	D0GFR00J0005	M 0 OHM, J, 1/3W	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	JA40	D0GFR00J0005	M 0 OHM,J,1/3W	1	PAVCTH
	JA42	D0GFR00J0005	M 0 OHM,J,1/3W	1	PAVCTH
	JA43	D0GFR00J0005	M 0 OHM,J,1/3W	1	PAVCTH
	JA45	D0GFR00J0005	M 0 OHM,J,1/3W	1	PAVCTH
	JA46	D0GFR00J0005	M 0 OHM,J,1/3W	1	PAVCTH
	JA48	D0GFR00J0005	M 0 OHM,J,1/3W	1	PAVCTH
	JA49	D0GFR00J0005	M 0 OHM,J,1/3W	1	PAVCTH
	JK3000A	K1U920A00003	CONNECTOR UNIT	1	PAVCTH
	JK3300	K1FY315A0010	CONNECTOR	1	PAVCTH
	JK3701	K1U411B00015	CONNECTOR UNIT	1	PAVCTH
	JK4700	K1FY119D0015	CONNECTOR	1	PAVCTH
	JK4701	K1FY119D0015	CONNECTOR	1	PAVCTH
	JK4702	K1FY119D0015	CONNECTOR	1	PAVCTH
	JK4703	K1FY119E0030	CONNECTOR	1	PAVCTH
	JK8531	K1FY104B0065	CONNECTOR	1	PAVCTH
	JK8532	K1FY104B0065	CONNECTOR	1	PAVCTH
	JK8533	K1FY104B0065	CONNECTOR	1	PAVCTH
	JK8650A	K1NA09E00121	CONNECTOR	1	
	JK8702	K2LC108A0012	JACK	1	PAVCTH
	K1	K1KA08B00270	8P CONNECTOR	1	
	L192	EXCELSA35T	BEAD CHOKE	1	
	L202	EXCELD35V	BEAD CHOKE	1	
	L203	EXCELD35V	BEAD CHOKE	1	
	L354	G0C121Z00011	PEAKING COIL	1	PAVCTH
	L401	G0A100ZA0023	CHOKE COIL	1	PAVCTH
	L402	EXCELSA35T	BEAD CHOKE	1	
	L451	G0A100ZA0023	CHOKE COIL	1	PAVCTH
	L3005	J0JYC0000331	CHIP INDUCTOR	1	
	L3006	J0JYC0000331	CHIP INDUCTOR	1	
	L3009	J0ZZB0000150	FILTER	1	PAVCTH
	L3010	J0ZZB0000150	FILTER	1	PAVCTH
	L4702	J0JYC0000068	CHIP INDUCTOR	1	
	L4705	J0JYC0000068	CHIP INDUCTOR	1	
	L4708	J0JYC0000068	CHIP INDUCTOR	1	
	L4712	J0JHC0000045	CHIP INDUCTOR	1	
	L4717	J0JYC0000068	CHIP INDUCTOR	1	
	L4801	J0JGC0000020	CHIP INDUCTOR	1	
	L4802	J0JGC0000020	CHIP INDUCTOR	1	
	L4803	G1CR39J00009	INDUCTION COIL	1	
	L4804	G1CR39J00009	INDUCTION COIL	1	
	L4805	J0JGC0000020	CHIP INDUCTOR	1	
	L4900	G1C150MA0426	INDUCTION COIL	1	PAVCTH
	L4901	G1C150MA0426	INDUCTION COIL	1	PAVCTH
	L4902	G1C150MA0426	INDUCTION COIL	1	PAVCTH
	L4903	G1C150MA0426	INDUCTION COIL	1	PAVCTH
	L5609	G1C6R8MA0445	INDUCTION COIL	1	PAVCTH
	L5900	G1C6R8MA0445	INDUCTION COIL	1	PAVCTH
	L8001	J0JCC0000287	CHIP INDUCTOR	1	
	L8002	J0JHC0000045	CHIP INDUCTOR	1	
	L8003	J0JHC0000045	CHIP INDUCTOR	1	
	L8005	J0JCC0000021	CHIP INDUCTOR	1	
	L8006	J0JCC0000287	CHIP INDUCTOR	1	
	L8007	J0JCC0000287	CHIP INDUCTOR	1	
	L8100	G1C4R7MA0416	INDUCTION COIL	1	
	L8102	G1C3R3MA0460	INDUCTION COIL	1	PAVCTH
	L8531	J0JHC0000045	CHIP INDUCTOR	1	
	L8532	J0JHC0000045	CHIP INDUCTOR	1	
	L8533	J0JHC0000045	CHIP INDUCTOR	1	
	L8561	J0ZZB0000142	FILTER	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	L8562	J0ZZB0000142	FILTER	1	
	L8563	J0ZZB0000142	FILTER	1	
	L8600	J0JHC0000045	CHIP INDUCTOR	1	
	L8701	G1C6R8MA0445	INDUCTION COIL	1	PAVCTH
	L8704	G1C4R7MA0445	INDUCTION COIL	1	PAVCTH
	L8705	D0GBR00J0004	M 0 OHM J 1/10W	1	
	L8706	J0JGC0000020	CHIP INDUCTOR	1	
	L9303	J0JHC0000117	CHIP INDUCTOR	1	
	L9860	G1C2R2MA0449	INDUCTION COIL	1	PAVCTH
	L9861	G1C6R8MA0445	INDUCTION COIL	1	PAVCTH
	L16001	G0CR16KA0214	PEAKING COIL	1	PAVCTH
	L16002	G0CR16KA0214	PEAKING COIL	1	PAVCTH
	L16303	G0C471MA0049	PEAKING COIL	1	
	L16411	G0CR16KA0214	PEAKING COIL	1	PAVCTH
	L16412	G0CR16KA0214	PEAKING COIL	1	PAVCTH
	LF101	G0B382KA0010	CHOKE COIL	1	PAVCTH
	LF102	G0B382KA0010	CHOKE COIL	1	PAVCTH
	LF103	G0B382KA0010	CHOKE COIL	1	PAVCTH
	LF104	G0B382KA0010	CHOKE COIL	1	PAVCTH
	P2	K1KY02B00012	2P CONNECTOR	1	
	P6	K1KA15BA0311	15P CONNECTOR	1	PAVCTH
	P9	K1KA02B00295	2P CONNECTOR	1	
	P11	K1KY03B00006	3P CONNECTOR	1	
	P25	K1KA10BA0237	10P CONNECTOR	1	PAVCTH
	P34	K1KA03BA0237	3P CONNECTOR	1	
	P35	K1KA04BA0237	4P CONNECTOR	1	
	P51	K1KY02B00012	2P CONNECTOR	1	
	P52	K1KY02B00012	2P CONNECTOR	1	
	P55	K1KY03B00006	3P CONNECTOR	1	
	P56	K1KY03B00006	3P CONNECTOR	1	
	P57	K1KA05B00211	5P CONNECTOR	1	PAVCTH
	P58	K1KA05B00211	5P CONNECTOR	1	PAVCTH
	P1MM10	TMM27463	CLAMPER	1	PAVCTH
	P1MM11	TMM27463	CLAMPER	1	PAVCTH
	P1MM12	TMM27463	CLAMPER	1	PAVCTH
	P1MM13	TMM27463	CLAMPER	1	PAVCTH
	P1MM14	TMM27463	CLAMPER	1	PAVCTH
	P1MM15	TMM27463	CLAMPER	1	PAVCTH
	P1MM16	TMM27463	CLAMPER	1	PAVCTH
	P1MM17	TMM27463	CLAMPER	1	PAVCTH
	P1MM18	TMM27463	CLAMPER	1	PAVCTH
	P2MM10	TMM27463	CLAMPER	1	PAVCTH
	P2MM11	TMM27463	CLAMPER	1	PAVCTH
	P2MM12	TMM27463	CLAMPER	1	PAVCTH
	P2MM13	TMM27463	CLAMPER	1	PAVCTH
	P2MM14	TMM27463	CLAMPER	1	PAVCTH
	P2MM15	TMM27463	CLAMPER	1	PAVCTH
	PA451	K5H502YA0063	FUSE	1	PAVCTH
	PA501	K5H502YA0063	FUSE	1	PAVCTH
	PA5601	K5H5022A0031	FUSE	1	
	PA5900	K5H1022A0031	FUSE	1	
	PA8703	K5H5022A0031	FUSE	1	
	PC101	B3PAA0000363	IC	1	
	PC302	B3PAA0000363	IC	1	
	PC402	B3PAA0000363	IC	1	
	PC501	B3PAA0000363	IC	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	PC602	B3PAA0000363	IC	1	
	PC603	B3PAA0000363	IC	1	
	PC16131	B3PBE0000058	IC	1	PAVCTH
	PC16191	B3PBE0000060	IC	1	PAVCTH
	PC16251	B3PBA0000498	IC	1	
	PC16301	B3PBA0000498	IC	1	
	PC16461	B3PBE0000058	IC	1	PAVCTH
	PC16462	B3PBE0000060	IC	1	PAVCTH
	PC16480	B3PBA0000498	IC	1	
	PC16581	B3PBA0000498	IC	1	
	PC16603	B3PBA0000498	IC	1	
	PC16685	B3PBA0000496	IC	1	
	PC16723	B3PBA0000498	IC	1	
	PC16896	B3PBA0000498	IC	1	
	PC16897	B3PBA0000498	IC	1	
	Q101	B1CFNG000010	FET	1	
	Q102	DSA200100L	TRANSISTOR	1	
	Q201	B1CERR000060	FET	1	PAVCTH
	Q202	B1CERR000060	FET	1	PAVCTH
	Q203	B1ADMF000001	TRANSISTOR	1	PAVCTH
	Q204	B1ADMF000001	TRANSISTOR	1	PAVCTH
	Q301	B1CERR000056	FET	1	PAVCTH
	Q302	B1CERR000056	FET	1	PAVCTH
	Q354	DSC200100L	TRANSISTOR	1	
	Q374	B1DHBC000008	FET	1	
	Q375	B1CERM000033	FET	1	PAVCTH
	Q376	B1ADMF000001	TRANSISTOR	1	PAVCTH
	Q377	B1ABMD000022	TRANSISTOR	1	PAVCTH
	Q451	B1CHRD000046	FET	1	PAVCTH
	Q452	B1CBGD000001	FET	1	
	Q453	B1CBGD000001	FET	1	
	Q454	B1CHRD000046	FET	1	PAVCTH
	Q455	B1CBGD000001	FET	1	
	Q456	B1CBGD000001	FET	1	
	Q457	B1DHBC000008	FET	1	
	Q458	B1CBGD000001	FET	1	
	Q459	B1CBGD000001	FET	1	
	Q460	B1CBGD000001	FET	1	
	Q462	B1CBGD000001	FET	1	
	Q463	B1CBGD000001	FET	1	
	Q501	B1AAPG000009	TRANSISTOR	1	PAVCTH
	Q502	DSC200100L	TRANSISTOR	1	
	Q503	B1DHBC000008	FET	1	
	Q551	B1CBGD000001	FET	1	
	Q552	DSC200100L	TRANSISTOR	1	
	Q553	DSC200100L	TRANSISTOR	1	
	Q554	DSC200100L	TRANSISTOR	1	
	Q555	DSC200100L	TRANSISTOR	1	
	Q556	B1CBGD000001	FET	1	
	Q557	B1DHBC000008	FET	1	
	Q558	DSC200100L	TRANSISTOR	1	
	Q559	DSA200100L	TRANSISTOR	1	
	Q560	B1DHBC000008	FET	1	
	Q561	DSC200100L	TRANSISTOR	1	
	Q562	DSC200100L	TRANSISTOR	1	
	Q563	DSC200100L	TRANSISTOR	1	
	Q564	B1DHBC000008	FET	1	
	Q565	B1DHBC000008	FET	1	
	Q601	DSA200100L	TRANSISTOR	1	
	Q651	B1DHBC000008	FET	1	
	Q652	B1CBGD000001	FET	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	Q653	B1DHBC000008	FET	1	
	Q656	B1DHBC000008	FET	1	
	Q658	B1DHBC000008	FET	1	
	Q701	DSC200100L	TRANSISTOR	1	
	Q702	DSC200100L	TRANSISTOR	1	
	Q2810	B1ABCE000015	TRANSISTOR	1	
	Q2811	B1ABCE000015	TRANSISTOR	1	
	Q2812	B1ABCE000015	TRANSISTOR	1	
	Q3133	B1ABCE000015	TRANSISTOR	1	
	Q3134	B1ABCE000015	TRANSISTOR	1	
	Q3135	B1ADCF000194	TRANSISTOR	1	PAVCTH
	Q4513	DSA2001S0L	TRANSISTOR	1	
	Q4514	B1HFCEA00001	TRANSISTOR	1	PAVCTH
	Q4700	B1ABCF000231	TRANSISTOR	1	
	Q4702	B1ABCF000231	TRANSISTOR	1	
	Q4709	B1ABCF000231	TRANSISTOR	1	
	Q4710	B1ABCF000231	TRANSISTOR	1	
	Q4930	B1ADCF000194	TRANSISTOR	1	PAVCTH
	Q4971	B1ABCE000015	TRANSISTOR	1	
	Q4972	B1ADCF000194	TRANSISTOR	1	PAVCTH
	Q4973	B1Aafb000004	TRANSISTOR	1	PAVCTH
	Q4974	B1Aafb000004	TRANSISTOR	1	PAVCTH
	Q8100	B1CFRD000077	FET	1	PAVCTH
	Q8101	B1CFRD000077	FET	1	PAVCTH
	Q8102	B1MBEDA00027	FET	1	
	Q8709	B1ADCF000194	TRANSISTOR	1	PAVCTH
	Q8711	DSC2001S0L	TRANSISTOR	1	
	Q8900	B1ADCF000194	TRANSISTOR	1	PAVCTH
	Q9860	B1MBEDA00027	FET	1	
	Q9861	B1MBEDA00027	FET	1	
	Q16001	B1JBDN000004	TRANSISTOR	1	PAVCTH
	Q16002	B1JBDN000004	TRANSISTOR	1	PAVCTH
	Q16003	B1JBDN000004	TRANSISTOR	1	PAVCTH
	Q16021	B1JBEN000004	TRANSISTOR	1	PAVCTH
	Q16022	B1JBEN000004	TRANSISTOR	1	PAVCTH
	Q16023	B1JBEN000004	TRANSISTOR	1	PAVCTH
	Q16041	DG3C3020CL	TRANSISTOR	1	PAVCTH
	Q16043	DG3C3020CL	TRANSISTOR	1	PAVCTH
	Q16051	DG3C3020CL	TRANSISTOR	1	PAVCTH
	Q16053	DG3C3020CL	TRANSISTOR	1	PAVCTH
	Q16055	B1HFPPA00001	TRANSISTOR	1	
	Q16056	B1HFPPA00001	TRANSISTOR	1	
	Q16101	B1CFRM000015	FET	1	
	Q16102	B1CFRM000023	FET	1	PAVCTH
	Q16141	B1HFPPA00001	TRANSISTOR	1	
	Q16161	B1HFPPA00001	TRANSISTOR	1	
	Q16251	B1ABCF000231	TRANSISTOR	1	
	Q16280	B1ABCE000015	TRANSISTOR	1	
	Q16401	B1JBDN000004	TRANSISTOR	1	PAVCTH
	Q16402	B1JBDN000004	TRANSISTOR	1	PAVCTH
	Q16403	B1JBDN000004	TRANSISTOR	1	PAVCTH
	Q16421	B1JBEN000004	TRANSISTOR	1	PAVCTH
	Q16422	B1JBEN000004	TRANSISTOR	1	PAVCTH
	Q16423	B1JBEN000004	TRANSISTOR	1	PAVCTH
	Q16441	DG3C3020CL	TRANSISTOR	1	PAVCTH
	Q16442	DG3C3020CL	TRANSISTOR	1	PAVCTH
	Q16451	DG3C3020CL	TRANSISTOR	1	PAVCTH
	Q16452	DG3C3020CL	TRANSISTOR	1	PAVCTH
	Q16471	B1ABCE000015	TRANSISTOR	1	
	Q16501	B1HFPPA00001	TRANSISTOR	1	
	Q16521	B1HFPPA00001	TRANSISTOR	1	
	Q16531	B1HFPPA00001	TRANSISTOR	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	Q16538	B1CBGD000001	FET	1	
	Q16551	B1HFFPA00001	TRANSISTOR	1	
	Q16581	B1ABCF000231	TRANSISTOR	1	
	Q16600	B1CFRM000020	FET	1	PAVCTH
	Q16601	B1CFRQ000022	FET	1	PAVCTH
	Q16602	DSA2001S0L	TRANSISTOR	1	
	Q16606	DSC2001S0L	TRANSISTOR	1	
	Q16607	B1CBGD000001	FET	1	
	Q16621	B1JBDN000004	TRANSISTOR	1	PAVCTH
	Q16622	B1JBDN000004	TRANSISTOR	1	PAVCTH
	Q16623	B1JBDN000004	TRANSISTOR	1	PAVCTH
	Q16646	DSA2001S0L	TRANSISTOR	1	
	Q16647	B1CBGD000001	FET	1	
	Q16660	B1CFRQ000021	FET	1	PAVCTH
	Q16661	B1JBER000002	TRANSISTOR	1	PAVCTH
	Q16762	B1HFFPA00001	TRANSISTOR	1	
	Q16815	B1ABCN000007	TRANSISTOR	1	
	Q16817	DSC2001Q0L	TRANSISTOR	1	
	Q16818	B1CBGD000001	FET	1	
	Q16819	B1CBGD000001	FET	1	
	Q16820	B1CBGD000001	FET	1	
	Q16891	DSA2001S0L	TRANSISTOR	1	
	Q16892	DSC2001Q0L	TRANSISTOR	1	
	Q16921	B1CBGD000001	FET	1	
	Q16922	B1CBGD000001	FET	1	
	Q16931	B1ABCN000007	TRANSISTOR	1	
	Q17101	B1ABCN000007	TRANSISTOR	1	
	Q17301	B1ABCN000007	TRANSISTOR	1	
	R101	D0XB185JA014	M 1.8 MOHM J 1 W	1	PAVCTH
	R102	D0B1825JA033	M 8.2 MOHM J 1 W	1	
	R103	D1F5150Y0001	F 150 OHM, 5W	1	PAVCTH
	R104	D0D54R7J0002	M 4.7 OHM, J, 2W	1	PAVCTH
	R105	D1BD2003A066	M 200KOHM.F.1/8W	1	PAVCTH
	R106	D1BD2003A066	M 200KOHM.F.1/8W	1	PAVCTH
	R107	D1BD2003A066	M 200KOHM.F.1/8W	1	PAVCTH
	R108	D1BD2003A066	M 200KOHM.F.1/8W	1	PAVCTH
	R109	D1BD2003A066	M 200KOHM.F.1/8W	1	PAVCTH
	R110	D1BD1003A066	M 100KOHM, J.1/8 W	1	PAVCTH
	R111	D1BD2003A066	M 200KOHM.F.1/8W	1	PAVCTH
	R113	D0D5180J0002	M 18 OHM, J, 2W	1	PAVCTH
	R114	D1BD1003A066	M 100KOHM, J.1/8 W	1	PAVCTH
	R115	D1BD1003A066	M 100KOHM, J.1/8 W	1	PAVCTH
	R116	D1BB2202A073	M 22KOHM, J.1/10W	1	PAVCTH
	R117	D1BB2202A073	M 22KOHM, J.1/10W	1	PAVCTH
	R118	D1BB2203A073	M 220KOHM, J.1/10W	1	PAVCTH
	R121	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R201	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R202	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R203	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R204	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R205	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R206	D1BD3003A066	M 300KOHM.F.1/8W	1	PAVCTH
	R207	D1BB2002A073	M 20KOHM, J.1/10W	1	PAVCTH
	R209	D1BD7503A066	M 750KOHM, F.1/8W	1	PAVCTH
	R210	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R211	D1BD2202A066	M 22KOHM, F.1/8W	1	PAVCTH
	R212	D1BB1802A073	M 18KOHM, J.1/10W	1	PAVCTH
	R213	D1BB1502A073	M 15KOHM, J.1/10W	1	PAVCTH
	R214	D1BB1802A073	M 18KOHM, J.1/10W	1	PAVCTH
	R215	D1BB1502A073	M 15KOHM, J.1/10W	1	PAVCTH
	R217	D1BD51R0A066	M0.51KOHM, F.1/8W	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R219	D0GDR00J0004	M 0 OHM, 1/8W	1	
	R220	D1DE100JA019	M 100 OHM, 1/4W	1	PAVCTH
	R221	D1BB2202A073	M 22KOHM, J.1/10W	1	PAVCTH
	R224	D0XGR10J0007	M 0.100HM, J, 5W	1	
	R225	D0XGR10J0007	M 0.100HM, J, 5W	1	
	R227	D1BD51R0A066	M0.51KOHM, F.1/8W	1	PAVCTH
	R229	D0GDR00J0004	M 0 OHM, 1/8W	1	
	R230	D1DE100JA019	M 100 OHM, 1/4W	1	PAVCTH
	R231	D1BB2202A073	M 22KOHM, J.1/10W	1	PAVCTH
	R234	D0XGR10J0007	M 0.100HM, J, 5W	1	
	R235	D0XGR10J0007	M 0.100HM, J, 5W	1	
	R236	D1BB2200A073	M 220 OHM, J.1/10W	1	PAVCTH
	R237	D1BB2200A073	M 220 OHM, J.1/10W	1	PAVCTH
	R238	D1BB5103A073	M510KOHM, J.1/10W	1	PAVCTH
	R239	D1BB5103A073	M510KOHM, J.1/10W	1	PAVCTH
	R247	D0GDR00J0004	M 0 OHM, 1/8W	1	
	R250	D1BB1800A073	M 180 OHM, J.1/10W	1	PAVCTH
	R251	D1BB1200A073	M 120 OHM, J.1/10W	1	PAVCTH
	R252	D1BB1800A073	M 180 OHM, J.1/10W	1	PAVCTH
	R253	D1BB1200A073	M 120 OHM, J.1/10W	1	PAVCTH
	R258	D1BD51R0A066	M0.51KOHM, F.1/8W	1	PAVCTH
	R259	D1BD51R0A066	M0.51KOHM, F.1/8W	1	PAVCTH
	R260	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R261	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R262	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R263	D1BD1603A066	M 160KOHM.F.1/8W	1	PAVCTH
	R301	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R302	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R303	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R304	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R305	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R306	D1BD1002A066	M 10KOHM, J.1/8W	1	PAVCTH
	R307	D1BD3301A066	M 3.3KOHM, F.1/8W	1	PAVCTH
	R308	D1BD4702A066	M 47KOHM, F.1/8W	1	PAVCTH
	R309	D1BD5600A066	M 560 OHM, F.1/8W	1	PAVCTH
	R310	D1BD4700A066	M 470 OHM, F.1/8W	1	PAVCTH
	R311	D1BD1200A066	M 120 OHM, J.1/8W	1	PAVCTH
	R312	D1BD33R0A066	M 33 OHM, F.1/8W	1	PAVCTH
	R313	D1BD10R0A066	M 10 OHM, F. 1/8W	1	PAVCTH
	R314	D1DE2R2JA019	M 2.2 OHM, 1/4W	1	PAVCTH
	R315	D1BB2202A073	M 22KOHM, J.1/10W	1	PAVCTH
	R316	D1BD10R0A066	M 10 OHM, F. 1/8W	1	PAVCTH
	R317	D1DE2R2JA019	M 2.2 OHM, 1/4W	1	PAVCTH
	R318	D1BB2202A073	M 22KOHM, J.1/10W	1	PAVCTH
	R319	D1BD10R0A066	M 10 OHM, F. 1/8W	1	PAVCTH
	R320	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R321	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R322	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R323	D1BD1603A066	M 160KOHM.F.1/8W	1	PAVCTH
	R351	D1BB6202A073	M 62KOHM, J.1/10W	1	PAVCTH
	R352	D1BB6202A073	M 62KOHM, J.1/10W	1	PAVCTH
	R353	D1BB6202A073	M 62KOHM, J.1/10W	1	PAVCTH
	R354	D1BB7502A073	M 75KOHM, J.1/10W	1	PAVCTH
	R355	D1BB7502A073	M 75KOHM, J.1/10W	1	PAVCTH
	R356	D1BB7502A073	M 75KOHM, J.1/10W	1	PAVCTH
	R357	D1BB5101A073	M 5.1KOHM, J.1/10W	1	PAVCTH
	R358	D1BB4702A073	M 47KOHM, J.1/10W	1	PAVCTH
	R359	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R360	D1BB2201A073	M 2.2KOHM, J.1/10W	1	PAVCTH
	R361	D1BD1001A066	M 1KOHM, J.1/8W	1	PAVCTH
	R369	D1BD4701A066	M 4.7KOHM, F.1/8W	1	PAVCTH
	R370	D1BD4701A066	M 4.7KOHM, F.1/8W	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R371	D1BD4701A066	M 4.7KOHM,F.1/8W	1	PAVCTH
	R372	D1BD4701A066	M 4.7KOHM,F.1/8W	1	PAVCTH
	R373	D1BD1002A066	M 10KOHM,J.1/8W	1	PAVCTH
	R374	D1BB1002A073	M 10KOHM,J.1/10W	1	PAVCTH
	R375	D1BB4701A073	M 4.7KOHM,J.1/10W	1	PAVCTH
	R376	D1BB4701A073	M 4.7KOHM,J.1/10W	1	PAVCTH
	R377	D1BB2003A073	M 200KOHM,J.1/10W	1	PAVCTH
	R378	D1DE330J0001	M 330 OHM, 1/4W	1	PAVCTH
	R379	D1BB2702A073	M 27KOHM,J.1/10W	1	PAVCTH
	R380	D1BB3303A073	M 330KOHM,J.1/10W	1	PAVCTH
	R381	D1BB1803A073	M 18KOHM, J.1/10W	1	PAVCTH
	R382	D1BB1003A073	M 100KOHM,J.1/10W	1	PAVCTH
	R383	D1BD8202A066	M 750KOHM,F.1/8W	1	PAVCTH
	R384	D1BD1003A066	M 100KOHM,J.1/8 W	1	PAVCTH
	R385	D1BD1202A066	M 12KOHM,F.1/8W	1	PAVCTH
	R386	D1BD6200A066	M 620 OHM,F.1/8W	1	PAVCTH
	R387	D1BD1601A066	M 1.6KOHM,F.1/8W	1	PAVCTH
	R388	ERG1SJ473P	M 47KOHM, J, 1W	1	
	R389	ERG2SJ104P	M 100KOHM, J, 2W	1	
	R390	D1BD1003A066	M 100KOHM,J.1/8 W	1	PAVCTH
	R391	D1BD1001A066	M 1KOHM,J.1/8W	1	PAVCTH
	R393	D1BD2001A066	M 2.0KOHM,F.1/8W	1	PAVCTH
	R394	D0GDR00J0004	M 0 OHM, 1/8W	1	
	R399	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R401	D1DE470JA022	M 470 OHM, 1/4W	1	PAVCTH
	R403	D0XGR22J0005	M 0.22OHM,J, 5W	1	PAVCTH
	R405	D1BD1003A066	M 100KOHM,J.1/8 W	1	PAVCTH
	R406	D1BD2202A066	M 22KOHM,F.1/8W	1	PAVCTH
	R407	D1BB2201A073	M 2.2KOHM,J.1/10W	1	PAVCTH
	R408	ERG2DG224P	M 220KOHM.G.2W	1	PAVCTH
	R409	ERG2DG224P	M 220KOHM.G.2W	1	PAVCTH
	R410	ERG2DG224P	M 220KOHM.G.2W	1	PAVCTH
	R411	D1BD1004A066	M1000KOHM,F.1/8W	1	PAVCTH
	R412	D1BD1002A066	M 10KOHM,J.1/8W	1	PAVCTH
	R413	ERG2DG224P	M 220KOHM.G.2W	1	PAVCTH
	R441	D1BB6803A073	M680KOHM,J.1/10W	1	PAVCTH
	R442	D1BB1003A073	M 100KOHM,J.1/10W	1	PAVCTH
	R445	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R447	D1BB2200A073	M 220 OHM,J.1/10W	1	PAVCTH
	R448	D1BD3003A066	M 300KOHM.F.1/8W	1	PAVCTH
	R449	D1BD2003A066	M 200KOHM.F.1/8W	1	PAVCTH
	R451	D1BD3901A066	M 3.9KOHM,F.1/8W	1	PAVCTH
	R452	D1BB2702A073	M 27KOHM,J.1/10W	1	PAVCTH
	R453	D1BB2702A073	M 27KOHM,J.1/10W	1	PAVCTH
	R454	D1BD6201A066	M 6.2KOHM,F.1/8W	1	PAVCTH
	R455	D1BD3901A066	M 3.9KOHM,F.1/8W	1	PAVCTH
	R456	D1BB1202A073	M 120 OHM,J.1/10W	1	PAVCTH
	R457	D1BB3301A073	M 3.3KOHM,J.1/10W	1	PAVCTH
	R458	D1BB1203A073	M 120KOHM,J.1/10W	1	PAVCTH
	R459	D1BB2003A073	M 200KOHM,J.1/10W	1	PAVCTH
	R460	D1BB2201A073	M 2.2KOHM,J.1/10W	1	PAVCTH
	R461	D1BD2003A066	M 200KOHM.F.1/8W	1	PAVCTH
	R462	D1BB1001A073	M 100 OHM,J.1/10W	1	PAVCTH
	R463	D1BB1203A073	M 120KOHM,J.1/10W	1	PAVCTH
	R464	D1BB2203A073	M 220KOHM,J.1/10W	1	PAVCTH
	R465	D1BB1202A073	M 120 OHM,J.1/10W	1	PAVCTH
	R466	D1BB1003A073	M 100KOHM,J.1/10W	1	PAVCTH
	R467	D1BB1001A073	M 100 OHM,J.1/10W	1	PAVCTH
	R468	D0XGR10J0007	M 0.10OHM,J, 5W	1	
	R469	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R471	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R473	D1BB1002A073	M 10KOHM,J.1/10W	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R474	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R476	D1BB1003A073	M 100KOHM, J.1/10W	1	PAVCTH
	R477	D1BB1003A073	M 100KOHM, J.1/10W	1	PAVCTH
	R478	D1BB6802A073	M 68KOHM, J.1/10W	1	PAVCTH
	R483	D1BB8202A073	M 82KOHM, J.1/10W	1	PAVCTH
	R484	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R485	D1BB2702A073	M 27KOHM, J.1/10W	1	PAVCTH
	R486	ERX1SJ3R9P	M 3.9 OHM, J, 1W	1	PAVCTH
	R487	D1BB4702A073	M 47KOHM, J.1/10W	1	PAVCTH
	R488	D1BD1003A066	M 100KOHM, J.1/8 W	1	PAVCTH
	R489	D1BD1303A066	M 130KOHM.F.1/8W	1	PAVCTH
	R490	D1BD2003A066	M 200KOHM.F.1/8W	1	PAVCTH
	R491	D1BB1000A073	M 100 OHM, J.1/10W	1	PAVCTH
	R492	D1BB1503A073	M 150KOHM, J.1/10W	1	PAVCTH
	R493	D1BD3003A066	M 300KOHM.F.1/8W	1	PAVCTH
	R496	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R497	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R498	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R502	D1BD3900A066	M 390 OHM, F.1/8W	1	PAVCTH
	R503	D1BD1004A066	M1000KOHM, F.1/8W	1	PAVCTH
	R505	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R506	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R507	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R508	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R512	ERG2SJ222H	M 2.2KOHM, J, 2W	1	
	R513	D1BB1001A073	M 100 OHM, J.1/10W	1	PAVCTH
	R514	D1BD1004A066	M1000KOHM, F.1/8W	1	PAVCTH
	R515	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R516	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R517	D1BB1001A073	M 100 OHM, J.1/10W	1	PAVCTH
	R518	D1BD3900A066	M 390 OHM, F.1/8W	1	PAVCTH
	R519	D1BD3900A066	M 390 OHM, F.1/8W	1	PAVCTH
	R550	D1DE2R2JA019	M 2.2 OHM, 1/4W	1	PAVCTH
	R551	D1BB4703A073	M470KOHM, J.1/10W	1	PAVCTH
	R552	D1BB4703A073	M470KOHM, J.1/10W	1	PAVCTH
	R553	D1BB6801A073	M 6.8KOHM, J.1/10W	1	PAVCTH
	R554	D1BB6803A073	M680KOHM, J.1/10W	1	PAVCTH
	R555	D1BB1003A073	M 100KOHM, J.1/10W	1	PAVCTH
	R556	D1BB1503A073	M 150KOHM, J.1/10W	1	PAVCTH
	R557	D1BB3001A073	M 3.0KOHM, J.1/10W	1	PAVCTH
	R558	D1BB4702A073	M 47KOHM, J.1/10W	1	PAVCTH
	R559	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R560	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R561	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R562	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R563	D1BB1003A073	M 100KOHM, J.1/10W	1	PAVCTH
	R564	D1BB3301A073	M 3.3KOHM, J.1/10W	1	PAVCTH
	R565	D1BB3302A073	M 33KOHM, J.1/10W	1	PAVCTH
	R566	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R567	D1BB3302A073	M 33KOHM, J.1/10W	1	PAVCTH
	R568	D1BB2202A073	M 22KOHM, J.1/10W	1	PAVCTH
	R569	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R570	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R571	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R572	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R573	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R574	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R576	D1BB1001A073	M 100 OHM, J.1/10W	1	PAVCTH
	R577	D1BB1001A073	M 100 OHM, J.1/10W	1	PAVCTH
	R578	D1BB5600A073	M 560 OHM.J.1/10W	1	PAVCTH
	R579	D1BB1001A073	M 100 OHM, J.1/10W	1	PAVCTH
	R580	D1BB1001A073	M 100 OHM, J.1/10W	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R581	D0GDR00J0004	M 0 OHM, 1/8W	1	
	R582	D0GDR00J0004	M 0 OHM, 1/8W	1	
	R583	D1BB6802A073	M 68KOHM, J.1/10W	1	PAVCTH
	R584	D1BB6802A073	M 68KOHM, J.1/10W	1	PAVCTH
	R585	D1BB4703A073	M470KOHM, J.1/10W	1	PAVCTH
	R586	D1BB4703A073	M470KOHM, J.1/10W	1	PAVCTH
	R587	D1BB1503A073	M 150KOHM, J.1/10W	1	PAVCTH
	R588	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R589	D1BB4702A073	M 47KOHM, J.1/10W	1	PAVCTH
	R590	D1BB4703A073	M470KOHM, J.1/10W	1	PAVCTH
	R591	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R592	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R593	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R594	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R595	D1BB3001A073	M 3.0KOHM, J.1/10W	1	PAVCTH
	R596	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R597	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R598	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R601	D1BD3903A066	M 390KOHM, F. 1/8W	1	PAVCTH
	R602	D1BD3903A066	M 390KOHM, F. 1/8W	1	PAVCTH
	R603	D1BD3903A066	M 390KOHM, F. 1/8W	1	PAVCTH
	R604	D1BD3903A066	M 390KOHM, F. 1/8W	1	PAVCTH
	R605	D1BD3903A066	M 390KOHM, F. 1/8W	1	PAVCTH
	R606	D1BD3903A066	M 390KOHM, F. 1/8W	1	PAVCTH
	R607	D1BD3903A066	M 390KOHM, F. 1/8W	1	PAVCTH
	R608	D1BB2002A073	M 20KOHM, J.1/10W	1	PAVCTH
	R609	D1BB1003A073	M 100KOHM, J.1/10W	1	PAVCTH
	R610	D1BB5600A073	M 560 OHMJ.1/10W	1	PAVCTH
	R611	D1BB1001A073	M 100 OHM, J.1/10W	1	PAVCTH
	R612	D1BB5600A073	M 560 OHMJ.1/10W	1	PAVCTH
	R613	D1BD5600A066	M 560 OHM, F.1/8W	1	PAVCTH
	R614	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R615	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R616	D1BD3903A066	M 390KOHM, F. 1/8W	1	PAVCTH
	R617	D1BD3303A066	M330KOHM.F.1/8W	1	PAVCTH
	R618	D1BD1002A066	M 10KOHM, J.1/8W	1	PAVCTH
	R619	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R620	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R621	D1BB1003A073	M 100KOHM, J.1/10W	1	PAVCTH
	R635	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R636	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R637	D1BD22R0A066	M 0.22 OHM, F.1/8W	1	PAVCTH
	R648	D1BB3303A073	M 330KOHM, J.1/10W	1	PAVCTH
	R650	D1BB9102A073	M 91KOHM, J.1/10W	1	PAVCTH
	R651	D1BB9102A073	M 91KOHM, J.1/10W	1	PAVCTH
	R653	D1BB9102A073	M 91KOHM, J.1/10W	1	PAVCTH
	R654	D1BB8202A073	M 82KOHM, J.1/10W	1	PAVCTH
	R655	D1BB8202A073	M 82KOHM, J.1/10W	1	PAVCTH
	R656	D1BB8202A073	M 82KOHM, J.1/10W	1	PAVCTH
	R657	D1BB1502A073	M 15KOHM, J.1/10W	1	PAVCTH
	R658	D1BB3902A073	M 39KOHM, J.1/10W	1	PAVCTH
	R659	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R660	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R661	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R662	D1BB1502A073	M 15KOHM, J.1/10W	1	PAVCTH
	R663	D1BB3001A073	M 3.0KOHM, J.1/10W	1	PAVCTH
	R666	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R667	D1BB3601A073	M 3.6KOHM, J.1/10W	1	PAVCTH
	R668	D1BB2201A073	M 2.2KOHM, J.1/10W	1	PAVCTH
	R669	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R670	D1BB3601A073	M 3.6KOHM, J.1/10W	1	PAVCTH
	R671	D1BB2201A073	M 2.2KOHM, J.1/10W	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R672	D1BB1003A073	M 100KOHM, J.1/10W	1	PAVCTH
	R673	D1BB6801A073	M 6.8KOHM, J.1/10W	1	PAVCTH
	R674	D1BB1202A073	M 120 OHM, J.1/10W	1	PAVCTH
	R675	D1BB1802A073	M 18KOHM, J.1/10W	1	PAVCTH
	R678	D1BB1003A073	M 100KOHM, J.1/10W	1	PAVCTH
	R679	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R680	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R681	D1BB1003A073	M 100KOHM, J.1/10W	1	PAVCTH
	R682	D1BB2203A073	M 220KOHM, J.1/10W	1	PAVCTH
	R684	D1BB1001A073	M 100 OHM, J.1/10W	1	PAVCTH
	R685	D1BB2203A073	M 220KOHM, J.1/10W	1	PAVCTH
	R686	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R688	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R693	D1BD1000A066	M 100 OHM, J.1/8W	1	PAVCTH
	R694	D1BB1001A073	M 100 OHM, J.1/10W	1	PAVCTH
	R696	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R697	D1BB4701A073	M 4.7KOHM, J.1/10W	1	PAVCTH
	R701	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R703	D1BB1603A073	M 160KOHM, J.1/10W	1	PAVCTH
	R704	D1BB4702A073	M 47KOHM, J.1/10W	1	PAVCTH
	R705	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R706	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R707	D1BB1203A073	M 120KOHM, J.1/10W	1	PAVCTH
	R708	D1BB1202A073	M 120 OHM, J.1/10W	1	PAVCTH
	R709	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R710	D1BB1002A073	M 10KOHM, J.1/10W	1	PAVCTH
	R1015	D0GA101JA015	M 100 OHM, J, 1/16W	1	
	R1050	D0GA184JA023	M 180KOHM J.1/16W	1	
	R1056	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R1100	D0GA122JA023	M 1.2KOHM, J, 1/16W	1	
	R1101	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R1102	D0GA683JA023	M 68KOHM, J, 1/16W	1	
	R1115	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R1117	D1BA7151A014	M7.15KOHM, J.1/16 W	1	
	R1118	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R2810	D0GB470JA065	M 47 OHM, J, 1/10W	1	
	R2811	D0GB104JA065	M 100KOHM J 1/10W	1	
	R2812	D0GB224JA065	M 220KOHM, J, 1/10W	1	PAVCTH
	R2813	D0GB223JA065	M 22KOHM, J, 1/10W	1	PAVCTH
	R2814	D0GB103JA065	M 10K OHM J 1/10W	1	
	R2815	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R2816	D1BB1621A055	M1.62KOHM, J.1/10W	1	
	R2817	D0GB223JA065	M 22KOHM, J, 1/10W	1	PAVCTH
	R2818	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R2819	D1BB4301A055	M4.30KOHM, J.1/10W	1	
	R3012	D0GA680JA023	M 68 OHM, J, 1/16W	1	
	R3013	D0GA101JA015	M 100 OHM, J, 1/16W	1	
	R3014	D0GA680JA023	M 68 OHM, J, 1/16W	1	
	R3015	D0GA101JA015	M 100 OHM, J, 1/16W	1	
	R3016	D0GA680JA023	M 68 OHM, J, 1/16W	1	
	R3020	D0GA820JA023	M 82 OHM, J, 1/16W	1	PAVCTH
	R3021	D0GA820JA023	M 82 OHM, J, 1/16W	1	PAVCTH
	R3022	D0GA820JA023	M 82 OHM, J, 1/16W	1	PAVCTH
	R3023	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3024	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3025	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3026	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3027	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3028	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3033	D0GA152JA023	M 1.5KOHM, J, 0.063W	1	
	R3034	D0GA152JA023	M 1.5KOHM, J, 0.063W	1	
	R3051	D0GA221JA023	M220 OHM, J.1/16 W	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R3052	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3056	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R3058	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R3149	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R3150	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R3152	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R3153	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R3154	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R3174	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R3189	D1BB75R0A055	M 75 OHM,J.1/10W	1	
	R3192	D0GB393JA065	M 39K OHM J 1/10W	1	
	R3193	D0GB393JA065	M 39K OHM J 1/10W	1	
	R3194	D1BB75R0A055	M 75 OHM,J.1/10W	1	
	R3198	D1BB75R0A055	M 75 OHM,J.1/10W	1	
	R3202	D0GB393JA065	M 39K OHM J 1/10W	1	
	R3204	D0GB393JA065	M 39K OHM J 1/10W	1	
	R3205	D1BD75R0A066	M 75.0 OHM,J.1/8 W	1	
	R3206	D0GA393JA023	M 39KOHM,J,1/16W	1	PAVCTH
	R3207	D0GA393JA023	M 39KOHM,J,1/16W	1	PAVCTH
	R3209	D1BB75R0A055	M 75 OHM,J.1/10W	1	
	R3301	D1BD75R0A066	M 75.0 OHM,J.1/8 W	1	
	R3302	D1BD75R0A066	M 75.0 OHM,J.1/8 W	1	
	R3303	D1BD75R0A066	M 75.0 OHM,J.1/8 W	1	
	R3313	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R3314	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R3750	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4548	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R4549	D0GA151JA023	M 150 OHM, J,1/16W	1	
	R4550	D0GA151JA023	M 150 OHM, J,1/16W	1	
	R4551	D0GA151JA023	M 150 OHM, J,1/16W	1	
	R4552	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R4553	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4554	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4563	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4599	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4657	D0GA200JA023	M20 OHM, J.1/16 W	1	PAVCTH
	R4661	D0GA200JA023	M20 OHM, J.1/16 W	1	PAVCTH
	R4665	D0GA200JA023	M20 OHM, J.1/16 W	1	PAVCTH
	R4702	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4708	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4709	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4710	EXB28V473JX	M 47KOHM 1/32 W	1	
	R4711	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4715	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4721	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4722	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4723	EXB28V473JX	M 47KOHM 1/32 W	1	
	R4724	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4748	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4749	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4750	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4751	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4763	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R4767	D0GA392JA023	M 3.9KOHM, J,1/16W	1	
	R4770	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4771	D0GA152JA023	M 1.5KOHM, J,0.063W	1	
	R4772	D0GA152JA023	M 1.5KOHM, J,0.063W	1	
	R4774	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4775	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4780	D0GA121JA023	M 120 OHM, J,1/16W	1	
	R4781	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4783	D0GA103JA015	M 10KOHM,J,1/16W	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R4784	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4785	D0GA680JA023	M 68 OHM, J, 1/16W	1	
	R4786	D0GA680JA023	M 68 OHM, J, 1/16W	1	
	R4787	D0GA680JA023	M 68 OHM, J, 1/16W	1	
	R4788	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4789	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4790	D0GA680JA023	M 68 OHM, J, 1/16W	1	
	R4791	D0GA680JA023	M 68 OHM, J, 1/16W	1	
	R4792	EXB28V473JX	M 47KOHM 1/32 W	1	
	R4793	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4794	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4795	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4796	EXB28V473JX	M 47KOHM 1/32 W	1	
	R4797	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4798	D0GA273JA023	M 27K OHM J ,1/16W	1	
	R4802	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4804	J0JCC0000278	CHIP INDUCTOR	1	
	R4805	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R4806	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R4824	D0GA101JA015	M 100 OHM, J, 1/16W	1	
	R4825	D0GA101JA015	M 100 OHM, J, 1/16W	1	
	R4826	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R4901	EXB28V220J	M 22 OHM 1/32 W	1	
	R4903	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4904	D0GDR00J0004	M 0 OHM, 1/8W	1	
	R4906	D0GA472JA023	M 4.7KOHM, J, 1/16W	1	
	R4908	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R4909	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4910	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R4930	D0GA392JA023	M 3.9KOHM, J, 1/16W	1	
	R4931	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R4932	D0GA222JA023	M 2.2KOHM, J, 1/16W	1	
	R4933	D0GA222JA023	M 2.2KOHM, J, 1/16W	1	
	R4941	D1BB1403A055	M 140KOHM, J.1/10W	1	
	R4942	D1BB1403A055	M 140KOHM, J.1/10W	1	
	R4971	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4972	D0GA223JA023	M 22K OHM J 1/16W	1	
	R4973	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4975	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4976	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4977	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4978	D0GA101JA015	M 100 OHM, J, 1/16W	1	
	R4979	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R4980	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R4982	D0GA101JA015	M 100 OHM, J, 1/16W	1	
	R4983	D0GA101JA015	M 100 OHM, J, 1/16W	1	
	R5000	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R5009	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R5010	D0GA222JA023	M 2.2KOHM, J, 1/16W	1	
	R5011	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R5012	D0GA223JA023	M 22K OHM J 1/16W	1	
	R5013	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R5018	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R5602	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R5652	D1BB2101A087	M 2.1KOHM, J.1/10W	1	
	R5653	D1BB2402A055	M 24KOHM, J.1/10W	1	
	R5655	D1BA1001A014	M 1KOHM, J. 1/16 W	1	
	R5658	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R5660	D0GA472JA023	M 4.7KOHM, J, 1/16W	1	
	R5661	D0GA472JA023	M 4.7KOHM, J, 1/16W	1	
	R5664	D0GA472JA023	M 4.7KOHM, J, 1/16W	1	
	R5665	D0GA471JA023	M 470OHM, J, 1/16W	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R5686	D0GA390JA023	M 39 OHM, J,1/16W	1	
	R5687	D1BB1002A055	M 10KOHM,J.1/10W	1	
	R5705	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R5706	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R5707	D0GDR00J0004	M 0 OHM, 1/8W	1	
	R5900	D0GA390JA023	M 39 OHM, J,1/16W	1	
	R5901	D1BB1002A055	M 10KOHM,J.1/10W	1	
	R5902	D1BB5362A055	M53.6KOHM,J.1/10W	1	PAVCTH
	R5904	D1BB3002A055	M 30KOHM,J.1/10W	1	
	R5906	D1BA4642A014	M46.4KOHM,J.1/16 W	1	PAVCTH
	R5907	D0GB363JA065	M 36K OHM J 1/10W	1	PAVCTH
	R5910	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R5911	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R5912	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R5913	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R5916	D0GA683JA023	M 68KOHM, J,1/16W	1	
	R5917	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R6875	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8008	D0GA331JA023	M 330 OHM, J,1/16W	1	
	R8100	D1BB1271A087	M1.27KOHM,J.1/16W	1	PAVCTH
	R8102	D1BB2101A087	M 2.1KOHM,J.1/10W	1	
	R8104	D1BB8200A087	M 820 OHM,J.1/10W	1	
	R8106	D1BB2001A087	M 2KOHM,J.1/10W	1	
	R8108	D0GB100JA065	M 10 OHM J 1/10W	1	
	R8110	D0GB100JA065	M 10 OHM J 1/10W	1	
	R8114	D0GA303JA023	M 30K OHM J 0.063W	1	PAVCTH
	R8118	D0GA183JA023	M 18K OHM J.1/16W	1	
	R8200	D1BA2400A014	M 240 OHM,J.1/16 W	1	
	R8201	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8202	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8203	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8204	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8205	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8206	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8207	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8208	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8209	D0GA111JA023	M 110 OHM, J.1/16W	1	
	R8210	D0GA111JA023	M 110 OHM, J.1/16W	1	
	R8211	D1BA2400A014	M 240 OHM,J.1/16 W	1	
	R8212	D1BA2400A014	M 240 OHM,J.1/16 W	1	
	R8213	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8214	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8215	D1BA2400A014	M 240 OHM,J.1/16 W	1	
	R8216	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8217	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8218	EXB28V220J	M 22 OHM 1/32 W	1	
	R8219	EXB28V220J	M 22 OHM 1/32 W	1	
	R8220	EXB28V220J	M 22 OHM 1/32 W	1	
	R8221	EXB28V220J	M 22 OHM 1/32 W	1	
	R8222	EXB28V220J	M 22 OHM 1/32 W	1	
	R8223	EXB28V220J	M 22 OHM 1/32 W	1	
	R8224	EXB28V220J	M 22 OHM 1/32 W	1	
	R8225	EXB28V220J	M 22 OHM 1/32 W	1	
	R8226	EXB28V220J	M 22 OHM 1/32 W	1	
	R8227	EXB28V220J	M 22 OHM 1/32 W	1	
	R8228	EXB28V220J	M 22 OHM 1/32 W	1	
	R8229	EXB28V220J	M 22 OHM 1/32 W	1	
	R8230	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8231	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8232	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8301	D0GA471JA023	M 470OHM, J,1/16W	1	
	R8302	D0GA360JA023	M 36 OHM, J,1/16W	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R8303	D0GA360JA023	M 36 OHM, J,1/16W	1	PAVCTH
	R8304	D1BA6201A014	M 6.2KOHM, J,1/16 W	1	
	R8305	D1BA6201A014	M 6.2KOHM, J,1/16 W	1	
	R8307	D1BA6201A014	M 6.2KOHM, J,1/16 W	1	
	R8381	D1BA75R0A014	M 75 OHM, J,1/16 W	1	
	R8382	D1BA75R0A014	M 75 OHM, J,1/16 W	1	
	R8383	D1BA75R0A014	M 75 OHM, J,1/16 W	1	
	R8384	D1BA75R0A014	M 75 OHM, J,1/16 W	1	
	R8531	D0GA103JA015	M 10KOHM, J,1/16W	1	
	R8532	D0GA103JA015	M 10KOHM, J,1/16W	1	
	R8533	D0GA103JA015	M 10KOHM, J,1/16W	1	
	R8534	D0GA103JA015	M 10KOHM, J,1/16W	1	
	R8535	D0GA272JA023	M 2.7KOHM, J,1/16W	1	
	R8536	D0GA272JA023	M 2.7KOHM, J,1/16W	1	
	R8540	D0GA272JA023	M 2.7KOHM, J,1/16W	1	
	R8541	D0GA103JA015	M 10KOHM, J,1/16W	1	
	R8542	D0GA103JA015	M 10KOHM, J,1/16W	1	
	R8601	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R8602	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R8603	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R8606	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8607	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8608	D0GA102JA023	M1KOHM, J,1/16 W	1	
	R8609	D1BA6491A014	M6.49KOHM, J,1/16 W	1	
	R8610	D0GA221JA023	M220 OHM, J,1/16 W	1	
	R8615	D0GA105JA023	M 1M OHM, J,1/16W	1	
	R8620	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8622	D0GA103JA015	M 10KOHM, J,1/16W	1	
	R8624	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8625	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8626	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8627	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8628	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8629	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8630	D1HG1038A002	NETWORK RESISTER	1	
	R8632	EXB28V560JX	M 56 OHM 1/32 W	1	
	R8634	EXB28V560JX	M 56 OHM 1/32 W	1	
	R8636	D0GA220JA023	M22 OHM, J,1/16 W	1	
	R8639	D0GA103JA015	M 10KOHM, J,1/16W	1	
	R8640	D0GA103JA015	M 10KOHM, J,1/16W	1	
	R8650	EXB28V101JX	M 100 OHM 1/32 W	1	
	R8680	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8681	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8682	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8683	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8684	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8685	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8697	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R8698	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R8699	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R8704	D1BB5362A055	M53.6KOHM, J,1/10W	1	PAVCTH
	R8705	D1BB1002A055	M 10KOHM, J,1/10W	1	
	R8706	D0GA390JA023	M 39 OHM, J,1/16W	1	
	R8707	D1BB1002A055	M 10KOHM, J,1/10W	1	
	R8731	D0GD4R7JA059	M 4.7 OHM, J,1/4W	1	
	R8735	D0GF151JA048	M 150 OHM, J,1/3W	1	PAVCTH
	R8751	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R8752	D0GA332JA023	M 3.3KOHM, J,1/16W	1	
	R8753	D0GA102JA023	M1KOHM, J,1/16 W	1	
	R8754	D0GA103JA015	M 10KOHM, J,1/16W	1	
	R8755	D0GA102JA023	M1KOHM, J,1/16 W	1	
	R8760	D0GA104JA023	M100KOHM, J,1/16 W	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R8761	D0GD102JA052	M 1.0KOHM, J, 1/8W	1	PAVCTH
	R8762	D0GA472JA023	M 4.7KOHM, J, 1/16W	1	
	R8763	D0GA472JA023	M 4.7KOHM, J, 1/16W	1	
	R8764	D0GDR00J0004	M 0 OHM, 1/8W	1	
	R8774	D0GA563JA023	M 56KOHM, J, 0.063W	1	PAVCTH
	R8775	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R8778	D1BB7870A055	M 787 OHM, J, 1/10W	1	
	R8779	D1BB4021A055	M 4.2KOHM, J, 1/10W	1	
	R8780	D0GB332JA065	M 3.3KOHM, J, 1/10W	1	
	R8781	D0GA472JA023	M 4.7KOHM, J, 1/16W	1	
	R8782	D0GA472JA023	M 4.7KOHM, J, 1/16W	1	
	R8804	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R8811	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R8816	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R8818	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R8819	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R8821	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R8824	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R8831	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R8835	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R8846	D0GA273JA023	M 27K OHM J, 1/16W	1	
	R8847	D0GA243JA023	M 24K OHM J 0.063W	1	
	R8853	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R8854	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R8856	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R8857	D0GA102JA023	M 10KOHM, J, 1/16 W	1	
	R8858	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R8909	D0GA222JA023	M 2.2KOHM, J, 1/16W	1	
	R8910	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R8938	D0GA472JA023	M 4.7KOHM, J, 1/16W	1	
	R8939	D0GA472JA023	M 4.7KOHM, J, 1/16W	1	
	R8949	EXB2HV680J	M 68 OHM 1/16 W	1	
	R8950	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R8953	D0GA272JA023	M 2.7KOHM, J, 1/16W	1	
	R8954	D0GA272JA023	M 2.7KOHM, J, 1/16W	1	
	R8955	D0GA272JA023	M 2.7KOHM, J, 1/16W	1	
	R8956	D0GA272JA023	M 2.7KOHM, J, 1/16W	1	
	R8957	D0GA272JA023	M 2.7KOHM, J, 1/16W	1	
	R8958	D0GA272JA023	M 2.7KOHM, J, 1/16W	1	
	R8959	D0GA272JA023	M 2.7KOHM, J, 1/16W	1	
	R8960	D0GA272JA023	M 2.7KOHM, J, 1/16W	1	
	R8961	EXB28V332J	M 3.3 KOHM 1/32 W	1	
	R8967	D0GA102JA023	M 10KOHM, J, 1/16 W	1	
	R8968	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R9035	D0GA103JA015	M 10KOHM, J, 1/16W	1	
	R9046	D0GA223JA023	M 22K OHM J 1/16W	1	
	R9105	D0GA473JA015	M 47KOHM, J, 1/16W	1	
	R9109	D0GA101JA015	M 100 OHM, J, 1/16W	1	
	R9198	EXB28V101JX	M 100 OHM 1/32 W	1	
	R9203	D0GA272JA023	M 2.7KOHM, J, 1/16W	1	
	R9205	D0GA333JA023	M 33KOHM, J, 1/16W	1	
	R9206	D0GA563JA023	M 56KOHM, J, 0.063W	1	PAVCTH
	R9208	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R9209	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R9224	D0GA470JA023	M 47 OHM, J, 1/16W	1	
	R9226	D0GA470JA023	M 47 OHM, J, 1/16W	1	
	R9247	D0GA470JA023	M 47 OHM, J, 1/16W	1	
	R9307	D0GA330JA023	M 33 OHM, J, 1/16W	1	
	R9308	D0GA330JA023	M 33 OHM, J, 1/16W	1	
	R9320	D0GA182JA023	M 1.8KOHM, J, 0.063W	1	
	R9321	D0GA105JA023	M 1M OHM, J, 1/16W	1	
	R9324	D0GB122JA065	M 1.2KOHM J 1/10W	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R9325	D0GB122JA065	M 1.2KOHM J 1/10W	1	PAVCTH
	R9326	D0GB122JA065	M 1.2KOHM J 1/10W	1	PAVCTH
	R9327	D0GB122JA065	M 1.2KOHM J 1/10W	1	PAVCTH
	R9329	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R9330	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R9400	EXB2HV103JV	M 10 KOHM 1/16 W	1	
	R9401	EXB2HV103JV	M 10 KOHM 1/16 W	1	
	R9402	EXB28V103JX	M 10KOHM 1/32 W	1	
	R9533	EXB28V681JX	M 680 OHM 1/32 W	1	PAVCTH
	R9534	D0GA681JA023	M680 OHM, J,1/16W	1	
	R9535	EXB28V470JX	M 47 OHM 1/32 W	1	
	R9536	D0GA470JA023	M 47 OHM, J,1/16W	1	
	R9608	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R9609	EXB28V470JX	M 47 OHM 1/32 W	1	
	R9610	EXB28V470JX	M 47 OHM 1/32 W	1	
	R9611	EXB28V470JX	M 47 OHM 1/32 W	1	
	R9860	D1BB1101A055	M 1.1 KOHM,J.1/10W	1	
	R9861	D1BB1911A074	M1.91 KOHM,J.1/10W	1	PAVCTH
	R9862	D1BB3601A055	M 3.6KOHM,J.1/10W	1	
	R9863	D1BB8200A087	M 820 OHM,J.1/10W	1	
	R9864	D0GB100JA065	M 10 OHM J 1/10W	1	
	R9865	D0GB100JA065	M 10 OHM J 1/10W	1	
	R9866	D0GA153JA023	M 15K OHM J 1/16W	1	
	R9867	D0GA273JA023	M 27K OHM J ,1/16W	1	
	R9907	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R9911	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R16001	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16002	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16003	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16021	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16022	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16023	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16031	D0GF473JA048	M 47KOHM, J,1/3W	1	PAVCTH
	R16032	D0GF473JA048	M 47KOHM, J,1/3W	1	PAVCTH
	R16041	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16043	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16051	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16053	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16101	D0GD150JA059	M 15 OHM, J,1/4W	1	
	R16102	D0GD150JA059	M 15 OHM, J,1/4W	1	
	R16105	D0GF474JA048	M 470KOHM, J,1/3W	1	PAVCTH
	R16116	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16130	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16131	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCTH
	R16132	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R16133	D1BD2700A044	M 270 OHM,J.1/8 W	1	
	R16134	D0GD750JA059	M 75 OHM, J,1/4W	1	
	R16135	D0GB4R7JA065	M 4.7 OHM J 1/10W	1	PAVCTH
	R16137	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R16138	D0GF561JA047	M 560 OHM, J, 1/3W	1	PAVCTH
	R16141	D0GD100JA059	M 10 OHM, J,1/4W	1	
	R16143	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16151	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCTH
	R16152	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCTH
	R16153	D0GB331JA065	M330 OHM J 1/10W	1	PAVCTH
	R16154	D0GD750JA059	M 75 OHM, J,1/4W	1	
	R16155	D0GB4R7JA065	M 4.7 OHM J 1/10W	1	PAVCTH
	R16161	D0GD100JA059	M 10 OHM, J,1/4W	1	
	R16163	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16171	D0GD100JA059	M 10 OHM, J,1/4W	1	
	R16173	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16181	D0GD100JA059	M 10 OHM, J,1/4W	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16183	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16191	D1BD2700A044	M 270 OHM,J.1/8 W	1	
	R16192	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16193	D0GD750JA052	M 75 OHM,J,1/8W	1	PAVCTH
	R16195	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16196	D0GF102JA048	M 1.0 KOHM,J,1/3W	1	PAVCTH
	R16197	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCTH
	R16230	D0GD470JA052	M 47 OHM,J,1/8W	1	PAVCTH
	R16231	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16241	EXB38V470J	M 47 OHM 1/16 W	1	
	R16242	EXB38V472JV	M 4.7 KOHM 1/16 W	1	
	R16243	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16244	D0GB273JA065	M 27K OHM J 1/10W	1	PAVCTH
	R16245	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16246	D0GD222JA052	M 2.2KOHM,J,1/8W	1	PAVCTH
	R16252	D0GF563JA048	M 56 KOHM,J,1/3W	1	PAVCTH
	R16253	D1BD1003A044	M 100KOHM,J.1/8 W	1	
	R16254	D1BD4422A044	M44.2KOHM,F.1/8W	1	PAVCTH
	R16255	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16257	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16281	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16282	D0GD221JA052	M 220 OHM,J 1/4W	1	PAVCTH
	R16283	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16284	D0GB224JA065	M 220KOHM,J,1/10W	1	PAVCTH
	R16285	EXB38V623J	M 62 KOHM 1/16 W	1	
	R16288	D0GF334JA047	M 330KOHMJ,1/3W	1	
	R16289	D0GF334JA047	M 330KOHMJ,1/3W	1	
	R16290	D0GF334JA047	M 330KOHMJ,1/3W	1	
	R16307	D1BD5232A077	M52.3KOHM,D.1/10W	1	PAVCTH
	R16309	ERG2FJX563E	M 56KOHM, J, 2W	1	PAVCTH
	R16310	ERG2FJX563E	M 56KOHM, J, 2W	1	PAVCTH
	R16311	ERG2FJX563E	M 56KOHM, J, 2W	1	PAVCTH
	R16317	D1BD5762A077	M57.6KOHM,D.1/10W	1	PAVCTH
	R16318	D1BD5762A077	M57.6KOHM,D.1/10W	1	PAVCTH
	R16319	D1BD2491A077	M 2.49KOHM,D.1/10W	1	PAVCTH
	R16320	ERJ14YJ683	M 68KOHM, J. 1/4W	1	
	R16330	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16332	D0GB474JA065	M 470KOHM,J,1/10W	1	
	R16334	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16335	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16401	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16402	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16403	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16411	D1BD2700A044	M 270 OHM,J.1/8 W	1	
	R16412	D1BD2700A044	M 270 OHM,J.1/8 W	1	
	R16414	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16416	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16421	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16422	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16423	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16441	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16442	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16451	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16452	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16466	D0GF473JA048	M 47KOHM,J,1/3W	1	PAVCTH
	R16467	D0GF473JA048	M 47KOHM,J,1/3W	1	PAVCTH
	R16471	D0GB392JA065	M 3.9KOHM,J,1/10W	1	PAVCTH
	R16472	D0GB222JA065	M 2.2KOHM,J,1/10W	1	
	R16473	D0GD561JA052	M 560 OHM,J,1/4W	1	PAVCTH
	R16474	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16475	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16476	D0GB222JA065	M 2.2KOHM,J,1/10W	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16478	D0GB562JA065	M 5.6KOHM,J,1/10W	1	PAVCTH
	R16479	D0GD103JA052	M 10KOHM,J,1/8W	1	PAVCTH
	R16490	D1BD1203A077	M 120KOHM,D.1/10W	1	PAVCTH
	R16491	D1BD1203A077	M 120KOHM,D.1/10W	1	PAVCTH
	R16492	D1BD1203A077	M 120KOHM,D.1/10W	1	PAVCTH
	R16493	D1BD5111A077	M5.11KOHM.J.1/8 W	1	PAVCTH
	R16494	D1BB2001A055	M 2KOHM,J.1/10W	1	
	R16497	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16498	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16501	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCTH
	R16503	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16505	D0GF102JA048	M 1.0 KOHM,J,1/3W	1	PAVCTH
	R16506	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16507	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCTH
	R16508	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCTH
	R16512	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16517	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16522	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R16525	D0GB4R7JA065	M 4.7 OHM J 1/10W	1	PAVCTH
	R16526	D0GB4R7JA065	M 4.7 OHM J 1/10W	1	PAVCTH
	R16531	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16532	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16534	D0GF561JA047	M 560 OHM,J, 1/3W	1	PAVCTH
	R16536	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16537	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16551	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16552	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16561	EXB38V470J	M 47 OHM 1/16 W	1	
	R16562	EXB38V470J	M 47 OHM 1/16 W	1	
	R16563	EXB38V470J	M 47 OHM 1/16 W	1	
	R16564	EXB38V470J	M 47 OHM 1/16 W	1	
	R16565	EXB38V472JV	M 4.7 KOHM 1/16 W	1	
	R16566	EXB38V472JV	M 4.7 KOHM 1/16 W	1	
	R16567	EXB38V472JV	M 4.7 KOHM 1/16 W	1	
	R16568	EXB38V472JV	M 4.7 KOHM 1/16 W	1	
	R16570	EXB38V472JV	M 4.7 KOHM 1/16 W	1	
	R16573	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16574	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16575	D0GB751JA065	M750 OHM J 1/10W	1	PAVCTH
	R16576	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R16579	EXB38V470J	M 47 OHM 1/16 W	1	
	R16581	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16582	D0GF563JA048	M 56 KOHM,J,1/3W	1	PAVCTH
	R16583	D1BD1003A044	M 100KOHM,J.1/8 W	1	
	R16584	D1BD4422A044	M44.2KOHM,F.1/8W	1	PAVCTH
	R16585	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16587	D0GB222JA065	M 2.2KOHM,J,1/10W	1	
	R16588	D0GB223JA065	M 22KOHM,J,1/10W	1	PAVCTH
	R16590	D0GB221JA065	M 220 OHM J 1/10W	1	
	R16591	EXB38V472JV	M 4.7 KOHM 1/16 W	1	
	R16594	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16601	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16604	D0GD331JA052	M 330 OHM,J,1/4W	1	PAVCTH
	R16605	D0GD220JA059	M 22 OHM,J,1/4W	1	PAVCTH
	R16606	D0GD223JA052	M 22KOHM,J,1/4W	1	PAVCTH
	R16607	D1BB5111A055	M5.11KOHM,J.1/10W	1	
	R16608	ERG2FJX153E	M 15KOHM, J, 2W	1	PAVCTH
	R16609	D0GF102JA047	M 1.0 KOHM,J,1/3W	1	
	R16610	D0GB104JA065	M 100KOHM J 1/10W	1	
	R16612	D0GD220JA059	M 22 OHM,J,1/4W	1	PAVCTH
	R16615	D1BB1871A055	M1.87KOHM, 1/10W	1	PAVCTH
	R16617	D0GD222JA052	M 2.2KOHM,J,1/8W	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16621	D0GD221JA052	M 220 OHM, J 1/4W	1	PAVCTH
	R16622	D0GD221JA052	M 220 OHM, J 1/4W	1	PAVCTH
	R16623	D0GD221JA052	M 220 OHM, J 1/4W	1	PAVCTH
	R16631	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16633	D0GD223JA052	M 22KOHM, J, 1/4W	1	PAVCTH
	R16634	D0GD222JA052	M 2.2KOHM, J, 1/8W	1	PAVCTH
	R16645	D0GB562JA065	M 5.6KOHM, J, 1/10W	1	PAVCTH
	R16646	D1BD8660A044	M 866 OHM, F.1/8W	1	PAVCTH
	R16648	D0GF202JA047	M 2KOHM, J, 1/3W	1	
	R16649	D0GD330JA059	M 33 OHM, F, 1/4W	1	
	R16650	D0GB104JA065	M 100KOHM J 1/10W	1	
	R16651	D0GF202JA047	M 2KOHM, J, 1/3W	1	
	R16653	D0GD222JA052	M 2.2KOHM, J, 1/8W	1	PAVCTH
	R16654	D0GD470JA052	M 47 OHM, J, 1/8W	1	PAVCTH
	R16658	D1BD6491A077	M6.49KOHM, D.1/10W	1	PAVCTH
	R16661	D0GD100JA059	M 10 OHM, J, 1/4W	1	
	R16662	D1BB1002A087	M 10KOHM, J, 1/10W	1	
	R16663	D1BD9091A077	M 9.09KOHM, D.1/10W	1	PAVCTH
	R16664	D0GF202JA047	M 2KOHM, J, 1/3W	1	
	R16665	D0GD222JA052	M 2.2KOHM, J, 1/8W	1	PAVCTH
	R16666	D1BB1003A087	M100KOHM, D 1/10W	1	PAVCTH
	R16667	D0GF202JA047	M 2KOHM, J, 1/3W	1	
	R16668	D0GF202JA047	M 2KOHM, J, 1/3W	1	
	R16674	D0GF202JA047	M 2KOHM, J, 1/3W	1	
	R16675	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16676	D1BD2700A044	M 270 OHM, J, 1/8 W	1	
	R16677	D0GF202JA047	M 2KOHM, J, 1/3W	1	
	R16678	D0GF202JA047	M 2KOHM, J, 1/3W	1	
	R16681	D0GD100JA059	M 10 OHM, J, 1/4W	1	
	R16682	D0GD100JA059	M 10 OHM, J, 1/4W	1	
	R16683	D0GD100JA059	M 10 OHM, J, 1/4W	1	
	R16684	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCTH
	R16685	D1BD1500A044	M 150 OHM, J, 1/8 W	1	
	R16686	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16696	D0D26R2JA034	M 2.6 OHM, J, 2W	1	
	R16697	D0D26R2JA034	M 2.6 OHM, J, 2W	1	
	R16698	D0D26R2JA034	M 2.6 OHM, J, 2W	1	
	R16699	D0D26R2JA034	M 2.6 OHM, J, 2W	1	
	R16719	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCTH
	R16721	EXB38V220JV	M 22 OHM 1/16 W	1	
	R16761	D0GD100JA059	M 10 OHM, J, 1/4W	1	
	R16763	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16772	D0GB472JA065	M 4.7KOHM, J, 1/10W	1	
	R16773	D0GD102JA052	M 1.0KOHM, J, 1/8W	1	PAVCTH
	R16776	D0GD470JA052	M 47 OHM, J, 1/8W	1	PAVCTH
	R16786	D1BD5902A044	M 59KOHM, F.1/8W	1	PAVCTH
	R16791	D0GB102JA065	M 1KOHM, J, 1/10W	1	
	R16797	D0GD220JA052	M 22 OHM, J, 1/4W	1	PAVCTH
	R16798	D0GB222JA065	M 2.2KOHM, J, 1/10W	1	
	R16799	D0GB102JA065	M 1KOHM, J, 1/10W	1	
	R16815	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16818	D1BB3302A055	M 33KOHM, J, 1/10W	1	
	R16819	D1BD1503A044	M 150KOHM, F.1/8W	1	PAVCTH
	R16820	D1BD1503A044	M 150KOHM, F.1/8W	1	PAVCTH
	R16822	D1BD8202A044	M 82KOHM, J, 1/8 W	1	
	R16823	D1BD6192A044	M61.9KOHM, J, 1/8 W	1	
	R16824	D1BD3742A044	M37.4KOHM, F.1/8W	1	
	R16825	D0GD154JA059	M 150KOHM, J, 1/4W	1	
	R16826	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16829	D0GB102JA065	M 1KOHM, J, 1/10W	1	
	R16831	D1BD6812A077	M68.1KOHM, D.1/10W	1	PAVCTH
	R16832	D1BD7152A077	M71.5K0OHM, D.1/10W	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16833	ERG1FJX683E	M 68KOHM, J, 1W	1	PAVCTH
	R16834	ERG1FJX683E	M 68KOHM, J, 1W	1	PAVCTH
	R16838	ERG2FJX104	M 100KOHM, J, 1W	1	
	R16841	D0GB472JA065	M 4.7KOHM, J, 1/10W	1	
	R16842	D0GD102JA052	M 1.0KOHM, J, 1/8W	1	PAVCTH
	R16844	ERA6YEB242	M 2.4KOHM, B 1/10W	1	
	R16845	D1BD6812A077	M68.1KOHM, D.1/10W	1	PAVCTH
	R16846	D1BD5762A077	M57.6KOHM, D.1/10W	1	PAVCTH
	R16847	D1BD6492A077	M64.9KOHM, D.1/10W	1	PAVCTH
	R16851	D0GB474JA065	M 470KOHM, J, 1/10W	1	
	R16852	D0GB474JA065	M 470KOHM, J, 1/10W	1	
	R16856	D0GB102JA065	M 1KOHM, J, 1/10W	1	
	R16873	ERA6YEB242	M 2.4KOHM, B 1/10W	1	
	R16891	D1BF6982A058	M 69.8KOHM, 1/4W	1	
	R16892	D1BF8252A058	M82.50KOHM, 1/4W	1	
	R16893	D1BF8252A058	M82.50KOHM, 1/4W	1	
	R16894	D1BB3091A087	M3.09KOHM, D 1/16W	1	PAVCTH
	R16895	D1BB9091A087	M9.09 KOHM, J.1/10W	1	PAVCTH
	R16897	D1BB2262A055	M22.6KOHM F 1/10W	1	PAVCTH
	R16898	D1BB1051A055	M1.05KOHM, J.1/10W	1	
	R16899	D1BB1372A055	M13.7KOHM, 1/10W	1	PAVCTH
	R16900	D1BB3831A055	M3.83KOHM, D 1/16W	1	PAVCTH
	R16902	D0GB6R2JA065	M 6.2 OHM J 1/10W	1	PAVCTH
	R16919	D1BB1582A055	M15.8KOHM, 1/10W	1	PAVCTH
	R16920	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R16921	D1BB2152A055	M 21.5KOHM, 1/10W	1	PAVCTH
	R16922	D1BB9531A055	M9.53KOHM, J.1/10W	1	
	R16923	D1BB5111A055	M5.11KOHM, J.1/10W	1	
	R16924	D1BB1152A055	M 11.5KOHM 1/10W	1	PAVCTH
	R16931	D1BF2R70A021	M 2.7 OHM, 1/4W	1	
	R16932	D0GD223JA052	M 22KOHM, J, 1/4W	1	PAVCTH
	R16937	D0GB184JA065	M 180KOHM J 1/10W	1	PAVCTH
	R16939	D0GD102JA052	M 1.0KOHM, J, 1/8W	1	PAVCTH
	R16940	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16941	D0GB472JA065	M 4.7KOHM, J, 1/10W	1	
	R16942	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCTH
	R16945	D0GB471JA065	M 470 OHM, J, 1/10W	1	PAVCTH
	R17101	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17102	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17103	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17104	D1BB49R90002	M 49 OHM, J.1/10W	1	
	R17105	D1BB49R90002	M 49 OHM, J.1/10W	1	
	R17106	D1BB49R90002	M 49 OHM, J.1/10W	1	
	R17107	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17108	D1BB49R90002	M 49 OHM, J.1/10W	1	
	R17110	D0GF223JA047	M 22KOHM, J, 1/3W	1	PAVCTH
	R17111	D0GB331JA065	M330 OHM J 1/10W	1	PAVCTH
	R17112	D0GB102JA065	M 1KOHM, J, 1/10W	1	
	R17131	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17133	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17135	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17145	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R17146	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R17161	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R17162	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R17164	D0GB470JA065	M 47 OHM, J, 1/10W	1	
	R17165	D1BB49R90002	M 49 OHM, J.1/10W	1	
	R17166	D1BB49R90002	M 49 OHM, J.1/10W	1	
	R17167	D1BB49R90002	M 49 OHM, J.1/10W	1	
	R17168	D1BB49R90002	M 49 OHM, J.1/10W	1	
	R17196	D0GB102JA065	M 1KOHM, J, 1/10W	1	
	R17198	D0GD224JA052	M 220KOHM, J, 1/8W	1	PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R17199	D0GF102JA047	M 1.0 KOHM, J, 1/3W	1	
	R17201	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17202	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17203	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17204	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17205	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17206	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17207	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17208	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17209	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17210	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17211	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17212	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17231	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17233	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17235	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17237	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17239	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17241	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17262	D0GB470JA065	M 47 OHM, J, 1/10W	1	
	R17263	D0GB681JA065	M 680 OHM, J, 1/10W	1	PAVCTH
	R17264	D0GB681JA065	M 680 OHM, J, 1/10W	1	PAVCTH
	R17268	D0GD224JA052	M 220KOHM, J, 1/8W	1	PAVCTH
	R17270	EXB38V470J	M 47 OHM 1/16 W	1	
	R17271	EXB38V470J	M 47 OHM 1/16 W	1	
	R17272	EXB38V681J	M 680 OHM 1/16 W	1	
	R17301	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17302	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17303	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17304	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17305	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17306	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17307	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17308	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17309	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17310	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17311	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17312	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R17313	D0GB331JA065	M330 OHM J 1/10W	1	PAVCTH
	R17314	D0GB102JA065	M 1KOHM, J, 1/10W	1	
	R17315	D0GF223JA047	M 22KOHM, J, 1/3W	1	PAVCTH
	R17331	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17333	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17335	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17337	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17339	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17341	D0GZ1R0JA020	M 1 OHM, J, 1/2W	1	
	R17361	D0GB681JA065	M 680 OHM, J, 1/10W	1	PAVCTH
	R17362	D0GB681JA065	M 680 OHM, J, 1/10W	1	PAVCTH
	R17366	EXB38V470J	M 47 OHM 1/16 W	1	
	R17367	EXB38V470J	M 47 OHM 1/16 W	1	
	R17370	EXB38V681J	M 680 OHM 1/16 W	1	
	R17398	D0GD224JA052	M 220KOHM, J, 1/8W	1	PAVCTH
	R17399	D0GF102JA047	M 1.0 KOHM, J, 1/3W	1	
	RL100	K6B1AYY00081	RELAY	2	PAVCTH
	RM2810	B3RAD0000168	REMOTE SENSOR	1	
	S10	K1KA03BA0061	3P CONNECTOR	1	
	S202	J0LY00000161	SERGE ABSORBER	1	PAVCTH

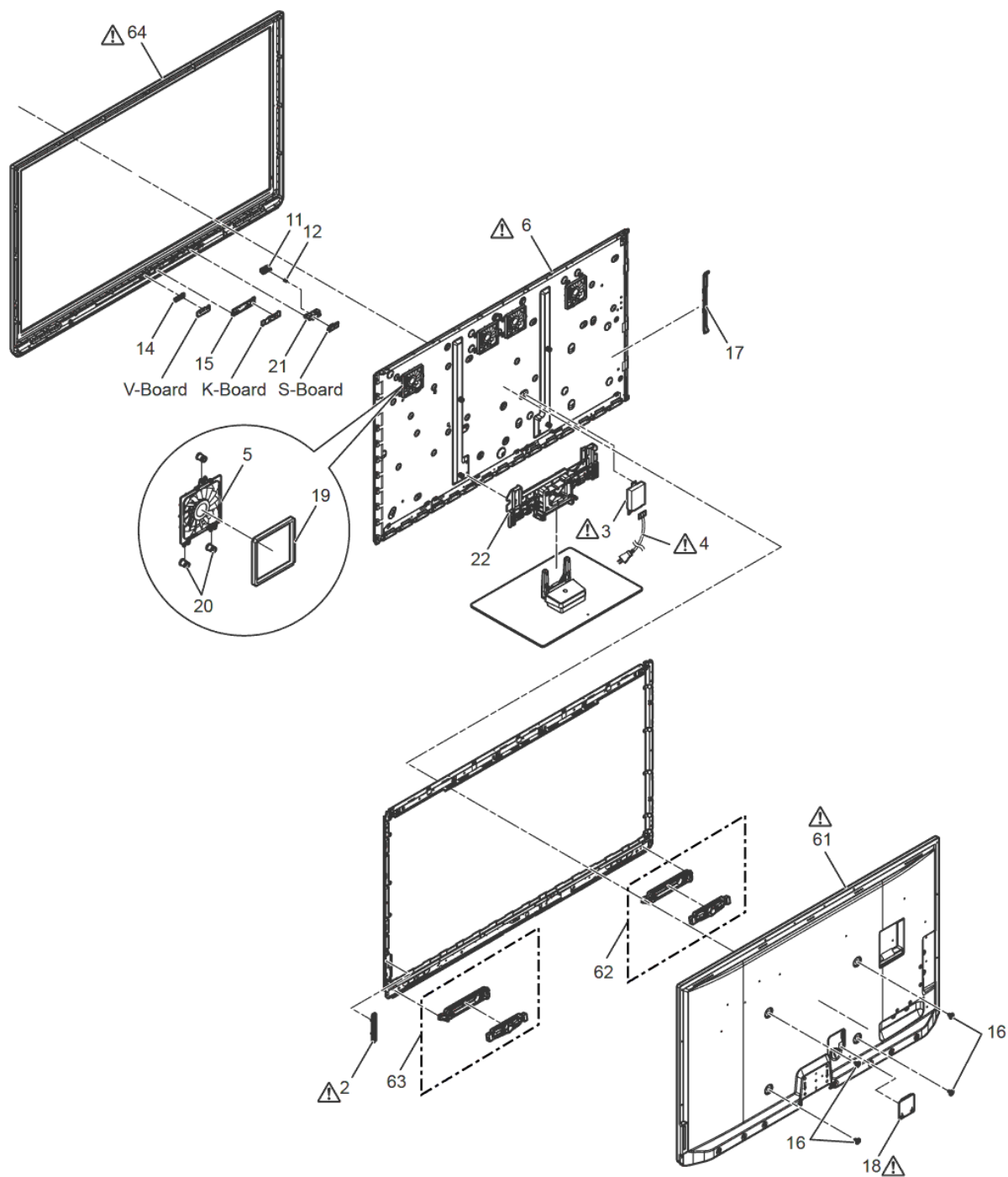
Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	SC2	K1KY02B00012	2P CONNECTOR	1	
	SC20	K1MY35BA0345	35P CONNECTOR	1	
	SC41	K1KA09AA0707	9P CONNECTOR	1	
	SC42	K1KA09AA0707	9P CONNECTOR	1	
	SC46	K1KA09AA0707	9P CONNECTOR	1	
	SC50	K1KA02AA0193	2P CONNECTOR	1	
	SN2810	B3JB00000078	IC	1	
	SS11	K1KY03B00006	3P CONNECTOR	1	
	SS33	K1MY20BA0345	20P CONNECTOR	1	
	SS53	K1MY13BA0343	13P CONNECTOR	1	
	SS54	K1MY13BA0443	13P CONNECTOR	1	PAVCTH
	SS56	K1MY13BA0443	13P CONNECTOR	1	PAVCTH
	SW2890	K0F126A00003	SWITCH	1	PAVCTH
⚠	T201	G0C181K00005	PEAKING COIL	1	PAVCTH
⚠	T202	G0C181K00005	PEAKING COIL	1	PAVCTH
⚠	T301	G4CYAYY00239	TRANS	1	PAVCTH
⚠	T302	G4CYAYY00239	TRANS	1	PAVCTH
	T303	G0C200K00001	PEAKING COIL	1	PAVCTH
⚠	T401	G4DYA0000278	TRANS	1	PAVCTH
	T8301	G5BYC0000015	TRANS	1	
	T16471	G4DYA0000324	SWITCHING TRANS	1	PAVCTH
	T16472	G4DYA0000325	SWITCHING TRANS	1	PAVCTH
⚠	TU4801	ENG57302D5F	TUNER	1	PAVCTH
	V14	K1KA06B00220	6P CONNECTOR	1	
	VR251	EVMAASA00BE4	CONTROL 22KOHMB	1	PAVCTH
	VR600	EVMAASA00BE4	CONTROL 22KOHMB	1	PAVCTH
	X8300	H0J245500110	CRYSTAL	1	PAVCTH
	X8600	H0J250500109	CRYSTAL	1	
	X9300	H0J200500091	CRYSTAL	1	PAVCTH
	ZA1	K4AD01A00002	TERMINAL	1	
	ZA100	K4AD01A00002	TERMINAL	1	
	ZA101	K4AD01A00002	TERMINAL	1	
	ZA16001	K4AZ01D00004	TERMINAL	1	
	ZA16002	K4AZ01D00004	TERMINAL	1	
	ZA16011	K4AZ01D00004	TERMINAL	1	
	ZA16012	K4AZ01D00004	TERMINAL	1	
	ZA16101	K4AD01Z00003	TERMINAL	1	
	ZA16102	K4AD01Z00003	TERMINAL	1	
	ZA16105	K4AD01Z00003	TERMINAL	1	
	ZA16106	K4AD01Z00003	TERMINAL	1	
	ZA16111	K4AA04D00002	TERMINAL	1	PAVCTH
	ZA16112	K4AA04D00002	TERMINAL	1	PAVCTH
	ZA16115	K4AA04D00002	TERMINAL	1	PAVCTH
	ZA16116	K4AA04D00002	TERMINAL	1	PAVCTH
	ZA16402	K4AZ01D00004	TERMINAL	1	
	ZA16403	K4AZ01D00004	TERMINAL	1	
	ZA16411	K4AA04D00002	TERMINAL	1	PAVCTH
	ZA16412	K4AA04D00002	TERMINAL	1	PAVCTH
	ZA16421	K4AA04D00002	TERMINAL	1	PAVCTH
	ZA16422	K4AA04D00002	TERMINAL	1	PAVCTH
	ZA17101	K4CD01000013	AV TERMINAL	1	
	ZA17102	K4CD01000013	AV TERMINAL	1	
	ZA17103	K4CD01000013	AV TERMINAL	1	

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	ZA17201	K4CD01000013	AV TERMINAL	1	
	ZA17202	K4CD01000013	AV TERMINAL	1	
	ZA17203	K4CD01000013	AV TERMINAL	1	
	ZA17204	K4CD01000013	AV TERMINAL	1	
	ZA17301	K4CD01000013	AV TERMINAL	1	
	ZA17302	K4CD01000013	AV TERMINAL	1	
	ZA17303	K4CD01000013	AV TERMINAL	1	
	ZA17304	K4CD01000013	AV TERMINAL	1	

Model No. : TH-P50ST30A/Z Exploded View 1



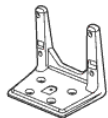
Assembly screws

72  M5 × 20 (silver) (4)

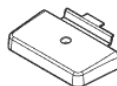
71  M4 × 8 (black) (4)

13  M5 × 25 (black) (4)

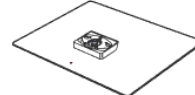
8 Stand pole (1)

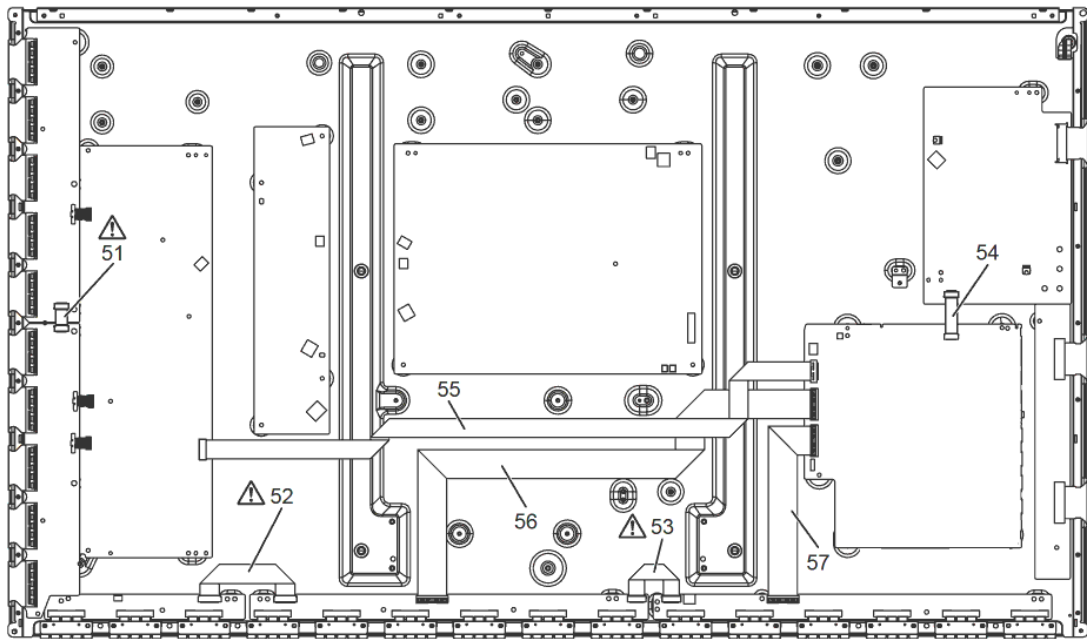


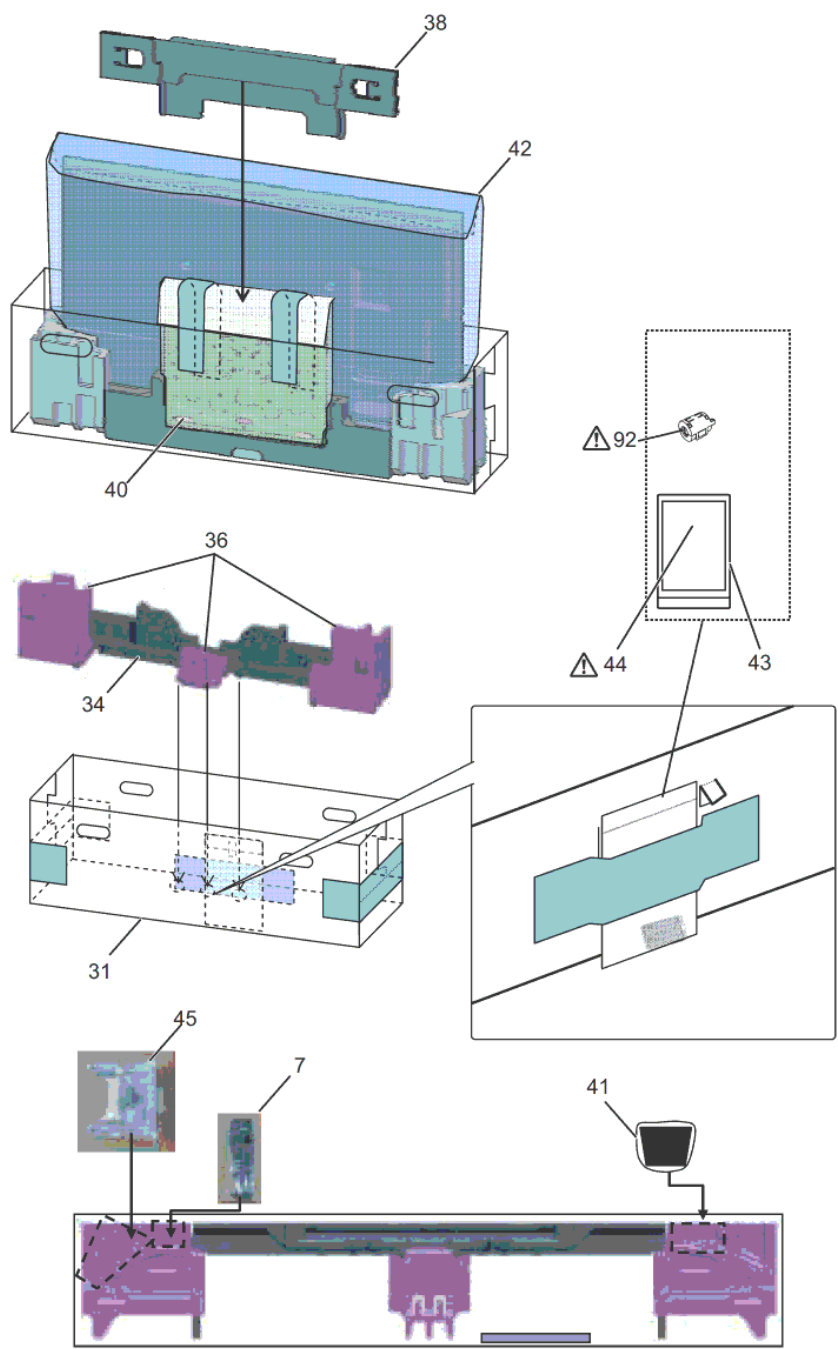
9 Pole cover (1)

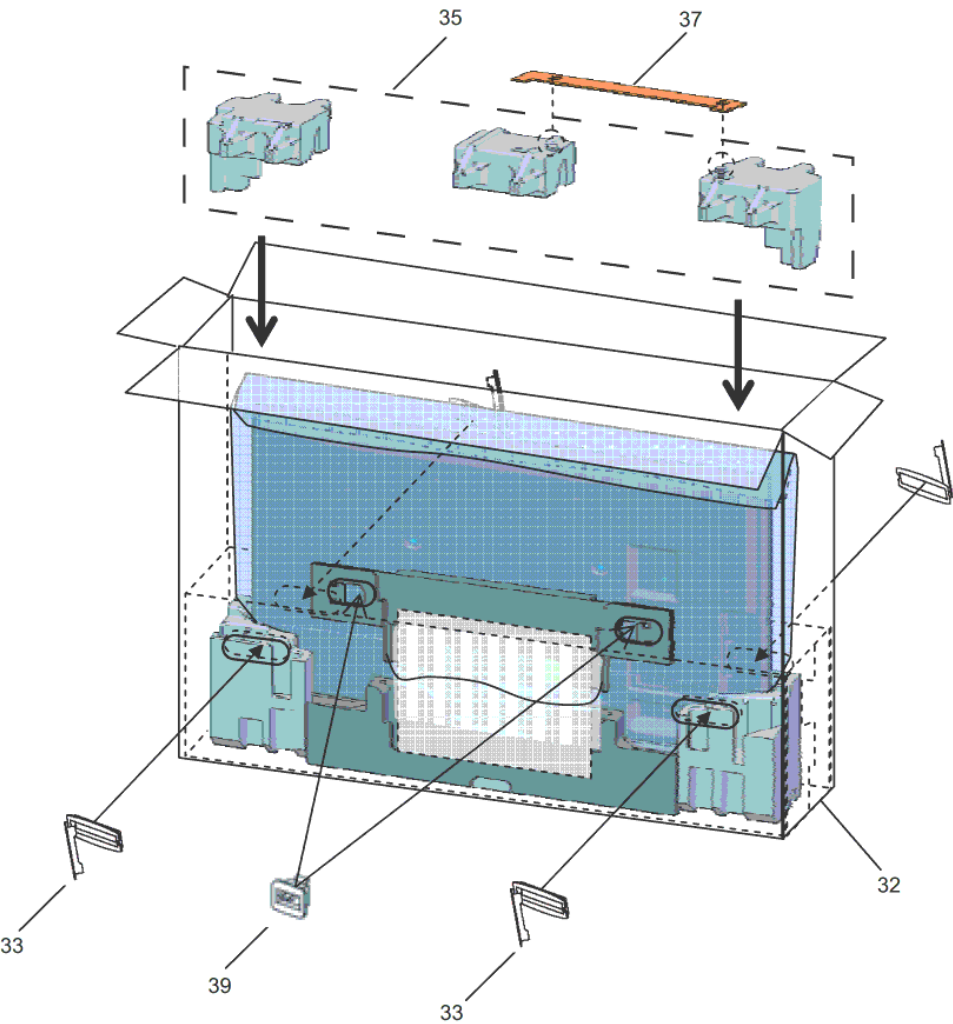


10 Base (1)









Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	92	J0KG00000146	FERRITE CORE PACK	1	
	2	K0RB00500040	SIDE UNIT ASSY	1	PAVCTH
	3	K2AZYH000024	AC-INLET WITH CABLE	1	PAVCTH
	4	K2CK3YY00041	AC CORD	1	PAVCTH
	5	L6FAYYYH0111	FAN	4	
	6	MD50F14A4J	PLASMA DISPLAY PANEL	1	
	7	N2QAYB000583	REMOTE CONTROL	1	PAVCTH
	8	TBL5ZA3051	STAND POLE	1	PAVCTH
	9	TBL5ZB3039	POLE COVER	1	PAVCTH
	10	TBL5ZX0072	PEDESTAL STAND	1	PAVCTH
	11	TBX4TA00503	POWER BUTTON	1	PAVCTH
	12	TESD101	SPRING	1	
		THEJ036J	SCREW (CONTACT_METAL_A-B:7 CON_M-S_UNIT:1)	8	
		THEJ039J	SCREW	12	
		THEJ0409	SCREW	12	chap. 3.1.(4) (5)
		THEL0239	SCREW (A-PRINT:4)	4	
		THEL052Z	SCREW	17	chap. 3.1.(2)
	13	THEL087N	SCREW M5x25	4	PAVCTH
		THTD030J	SCREW (BC:10)	10	PAVCTH chap. 3.1.(3)
	14	TKK4TC5011-1	3D EMITTER PANEL	1	PAVCTH
	15	TKK4TC5014	LED PANEL	1	PAVCTH
	16	TKKL5493	M8 CAP	4	
	17	TKP4TA01501	SIDE TERMINAL COVER	1	PAVCTH
	18	TKPB58201A	INLET COVER	1	
	19	TMK4TG023	FAN SPONGE	8	PAVCTH
		TMME292	CLAMPER	7	
		TMME332	CLAMPER (FE CHASSIS:1)	1	
		TMME351	CLAMPER	5	
		TMME332	CLAMPER (CONTACT METAL BOT:1)	1	
		TMME397	SPACER	3	PAVCTH
		TMME409	SPACER	4	PAVCTH
	20	TMMJ117	RUBBER CUSHION	12	
	21	TMW4TC001-1	POWER BUTTON BRACKET	1	PAVCTH
	22	TMZ4TX5011	STAND BRACKET	1	PAVCTH
	31	TPC4TA02601	CARTON BOX BOTTOM	1	PAVCTH
	32	TPC4TA06001	CARTON BOX (WITH STAMP)	1	(A) PAVCTH
	32	TPC4TA06002	CARTON BOX (WITH STAMP)	1	(Z) PAVCTH
	33	TPD169487	JOINT	4	
	34	TPD4TA0040	PEDESTAL CUSHION	1	PAVCTH
	35	TPD4TA0079	TOP CUSHION	1	PAVCTH
	36	TPD4TA0080	BOTTOM CUSHION	1	PAVCTH
	37	TPD4TF0014	TOP PAD	1	PAVCTH
	38	TPD4TF0016	PEDESTAL PAD	1	PAVCTH
	39	TPDX0016-1	JOINT FOR PEDESTAL	2	
	40	TPE4TB007	BAG (PEDESTAL STAND)	1	PAVCTH
	41	TPE4TB009	BAG (POLE COVER)	1	PAVCTH
	42	TPE4TH002	SET BAG	1	PAVCTH
	43	TPE4TP001	BAG (INSTRUCTION BOOK)	1	PAVCTH
	44	TQB4TC0056-1	INSTRUCTION BOOK (ENGLISH)	1	(A) PAVCTH
	44	TQB4TC0057-1	INSTRUCTION BOOK (ENGLISH)	1	(Z) PAVCTH
	45	TQE4TF001	BAG (STAND POLE)	1	PAVCTH
		TQZ4TH005	SCREW USE HANDBILE	1	PAVCTH
	51	TSXM217	CABLE (SU11-SD11)	1	
	52	TSXM238-1	CABLE (C10-C20)	1	
	53	TSXM240-1	CABLE (C26-C36)	1	
	54	TSXM302	CABLE (A40-SS33)	1	PAVCTH
	55	TSXM310	CABLE (A20-SC20)	1	PAVCTH
	56	TSXM311	CABLE (A31-C21)	1	PAVCTH
	57	TSXM312	CABLE (A32-C31)	1	PAVCTH
	61	TTU4TA0108	REAR COVER	1	(A) PAVCTH
	61	TTU4TA0129	REAR COVER	1	(Z) PAVCTH

Model No. : TH-P50ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	62	TXFEA01NBUJ	SPEAKER L ASSY	1	PAVCTH
	63	TXFEA02NBUJ	SPEAKER R ASSY	1	PAVCTH
		TXFKL01MSUA	TIP-PREVENTION PARTS ASSY	1	PAVCTH
	64	TXFKY5Z0063	CABINET ASSY	1	PAVCTH
		TXJA11NAUA	SPEAKER LEAD(A11-SPL/R)	1	PAVCTH
	71	XSB4+8FNK	SCREW M4x8	1	
		XTB4+12GFJ	SCREW (CAB-CON_MET:TOP3 SIDE4 BOT7 PW:2)	16	
		XTV3+10JFJK	SCREW (REAR AV:2)	2	chap. 3.1.(1)
		XTV3+8GFJ	SCREW (LED:2)	2	
		XYN3+J10FJK	SCREW	4	
		XYN4+E6FJ	SCREW (INLET:1)	1	
		XYN4+F8FJ	SCREW (SC-SUSD:4 SS-SS2:4)	8	
	72	XYN5+F20FN	SCREW M5x20 SILVER	4	
		TBM4TC129	MODEL NAME PLATE	1	(Z) PAVCTH
		TBM4TC108	MODEL NAME PLATE	1	(A) PAVCTH