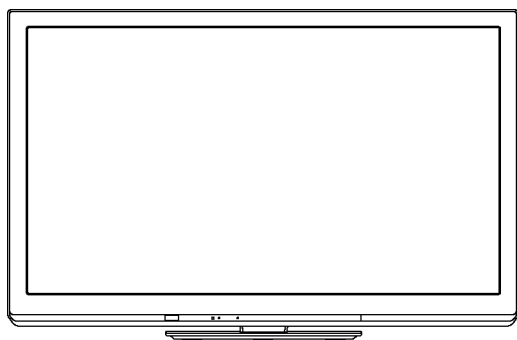


Service Manual

Plasma Television

Model No. **TH-P55ST30A**
TH-P55ST30Z

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.

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

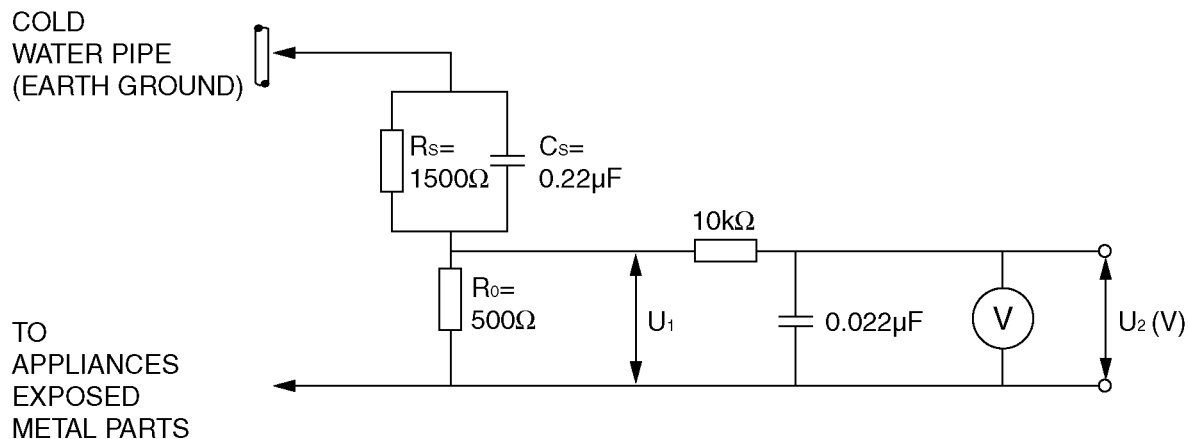
Note:

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).

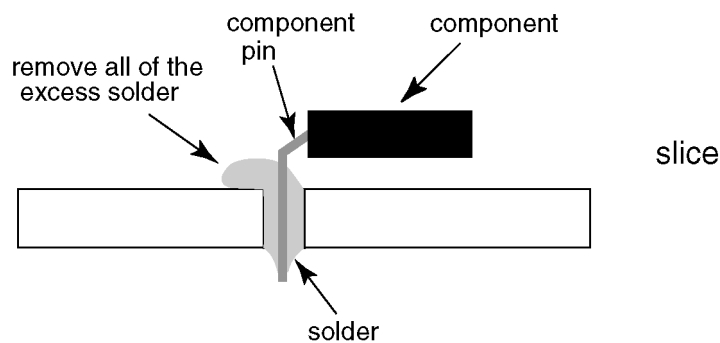
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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.

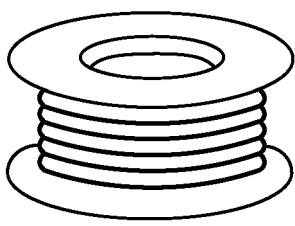
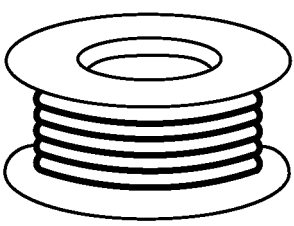
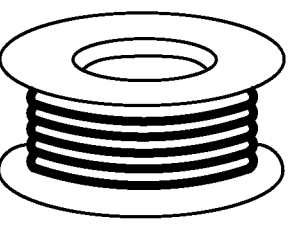
Caution

- 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

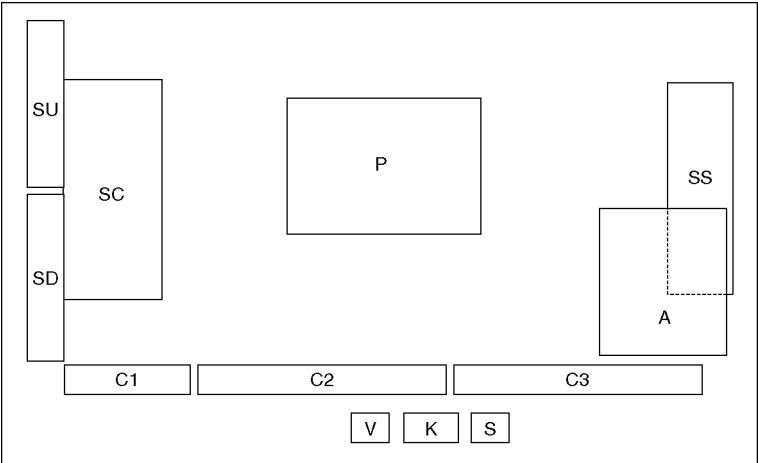
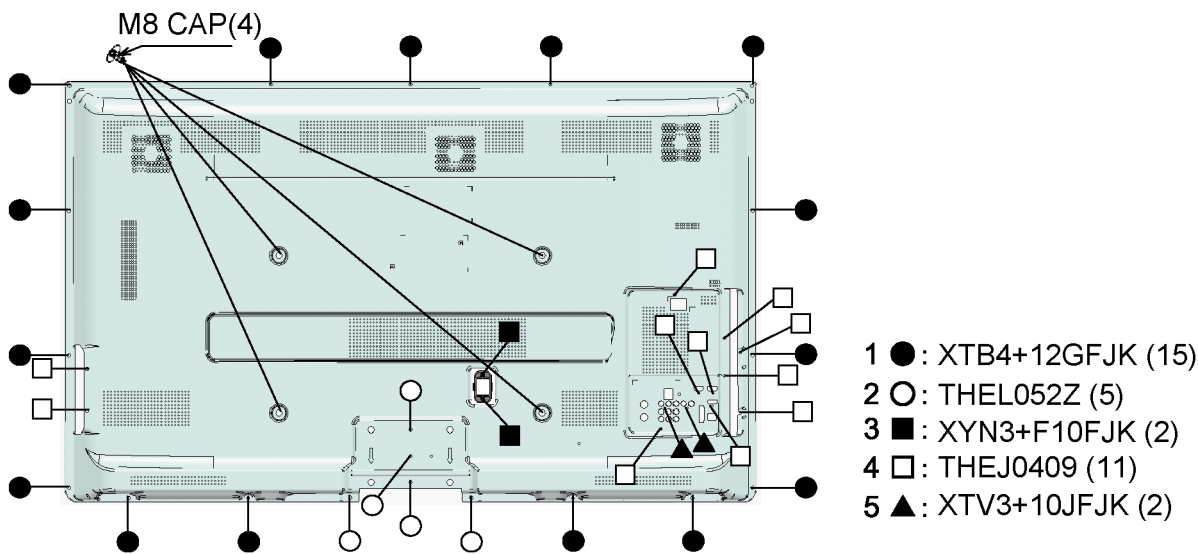
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

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 Non serviceable. P-Board should be exchange for service.	C1	Data Driver (Lower Right)
		C2	Data Driver (Lower Center)
		C3	Data Driver (Lower Left)
A	Main AV input, processing	SC	Scan Drive
K	Remote receiver, Power LED, C.A.T.S sensor	SS	Sustain Drive
S	Power switch	SU	Scan out (Upper) Non serviceable. SU-Board should be exchanged for service.
V	3D Eyewear transmitter		
		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	164 W	
Standby condition	0.3 W	
Display panel		
Aspect Ratio	16:9	
Visible screen size	140 cm (diagonal) 1,221 mm (W) × 686 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]
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)		
	1,324 mm × 849 mm × 387 mm (With Pedestal) 1,324 mm × 812 mm × 69 mm (TV only)	
Mass		
	39.0 kg Net (With Pedestal) 33.0 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-P55ST30A/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

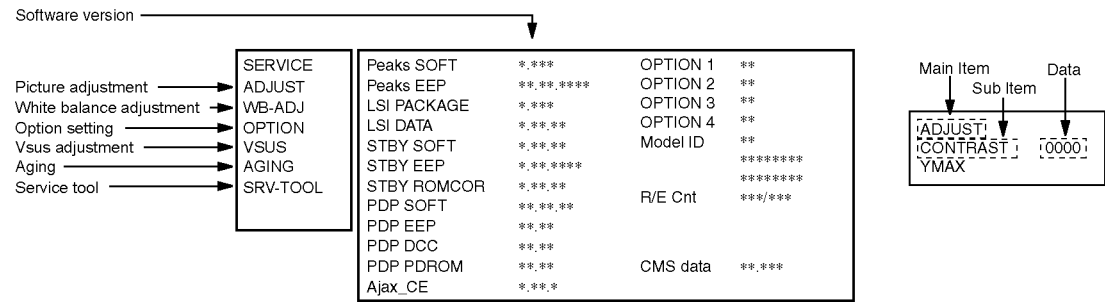
6.1.1. Purpose

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	FD	
	B-DRV	96	
	ALL-CUT	80	
	ALL-DRV	FF	
OPTION	Panel-Type	55FHD	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.

00



01



02



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 0000001

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 except 2nd and 1st occurrence after shipment 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.

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

Select
 Change  EXIT
 RETURN

3. To exit the Hotel mode setup menu

Disconnect AC power cord from wall outlet.

4. Explain the Hotel mode setup menu

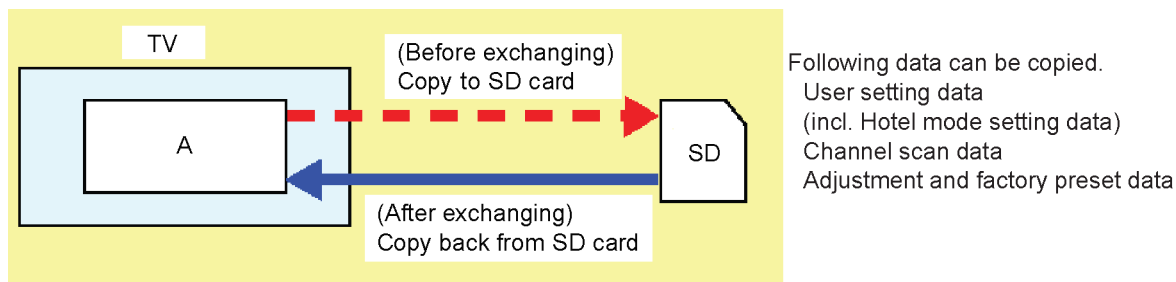
Item	Function
Hotel Mode	Select hotel mode On/Off.
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off/Digital TV/AV1/AV2/AV3/PC/HDMI1/HDMI2/HDMI3/HDMI4 • Off: give priority to a last memory.
Initial POS	Select programme number. Selection : Off/0 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

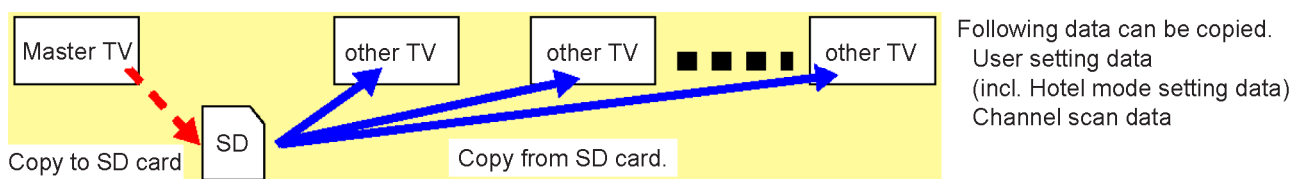
(a) Board replacement (Copy the data when exchanging A-board):

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.

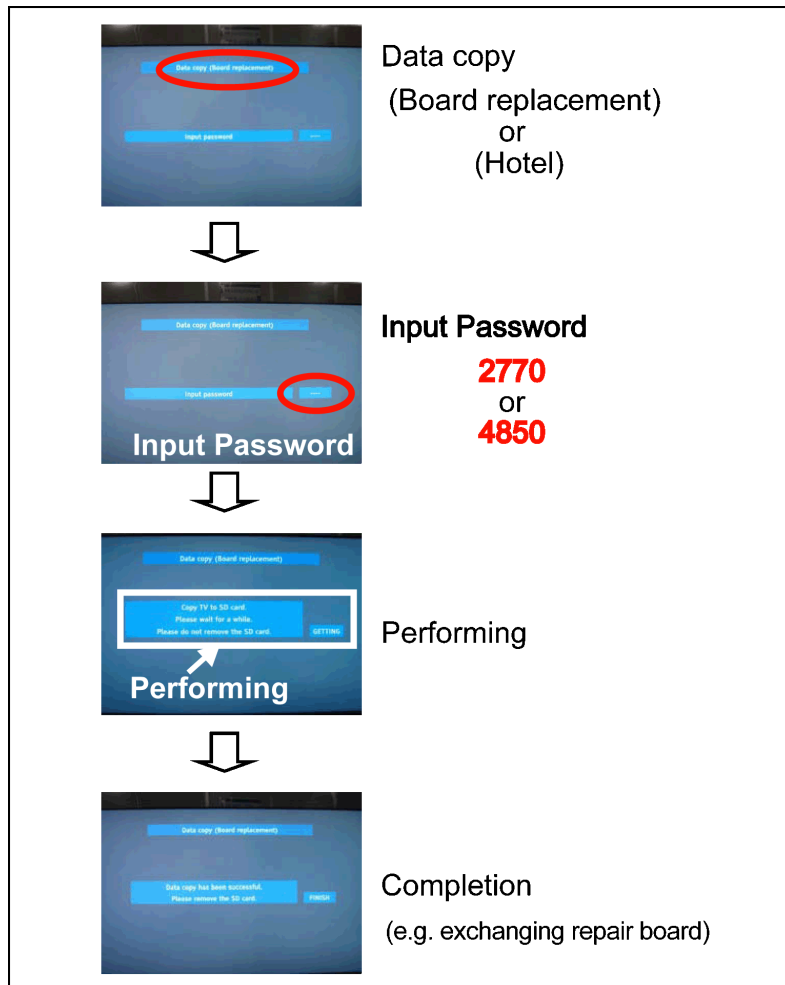
6.5.3. Data copy from TV set to SD Card

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

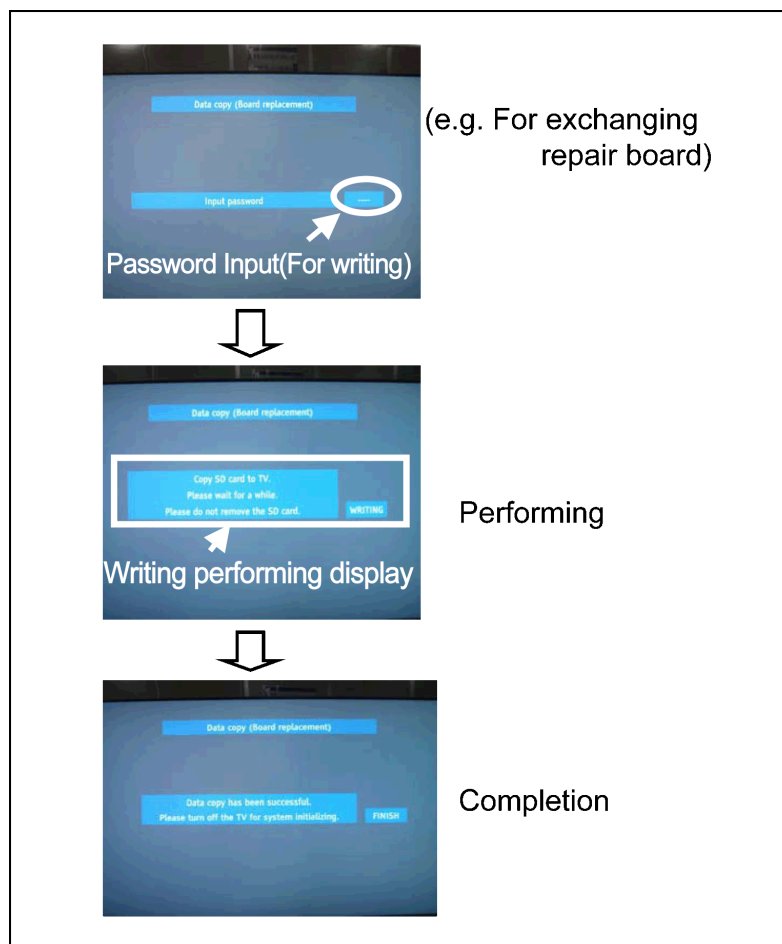


6.5.4. Data copy from SD Card to TV set

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

55FHD 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
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 SS 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
12	Sound SOS	A-Board Speaker
13	Emergency SOS	A-Board
14	IROM SOS (ROM in Peaks IC)	A-Board P-Board

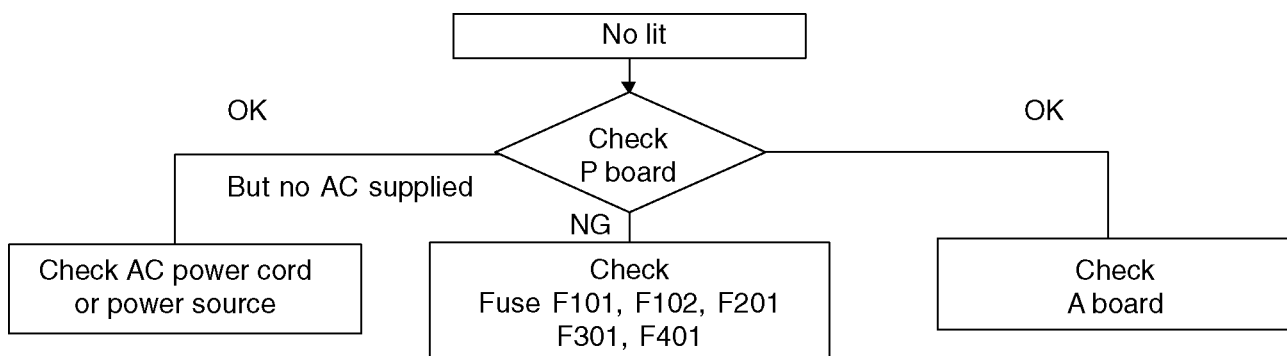
*Use SC jig to isolate the board.

7.3. No Power

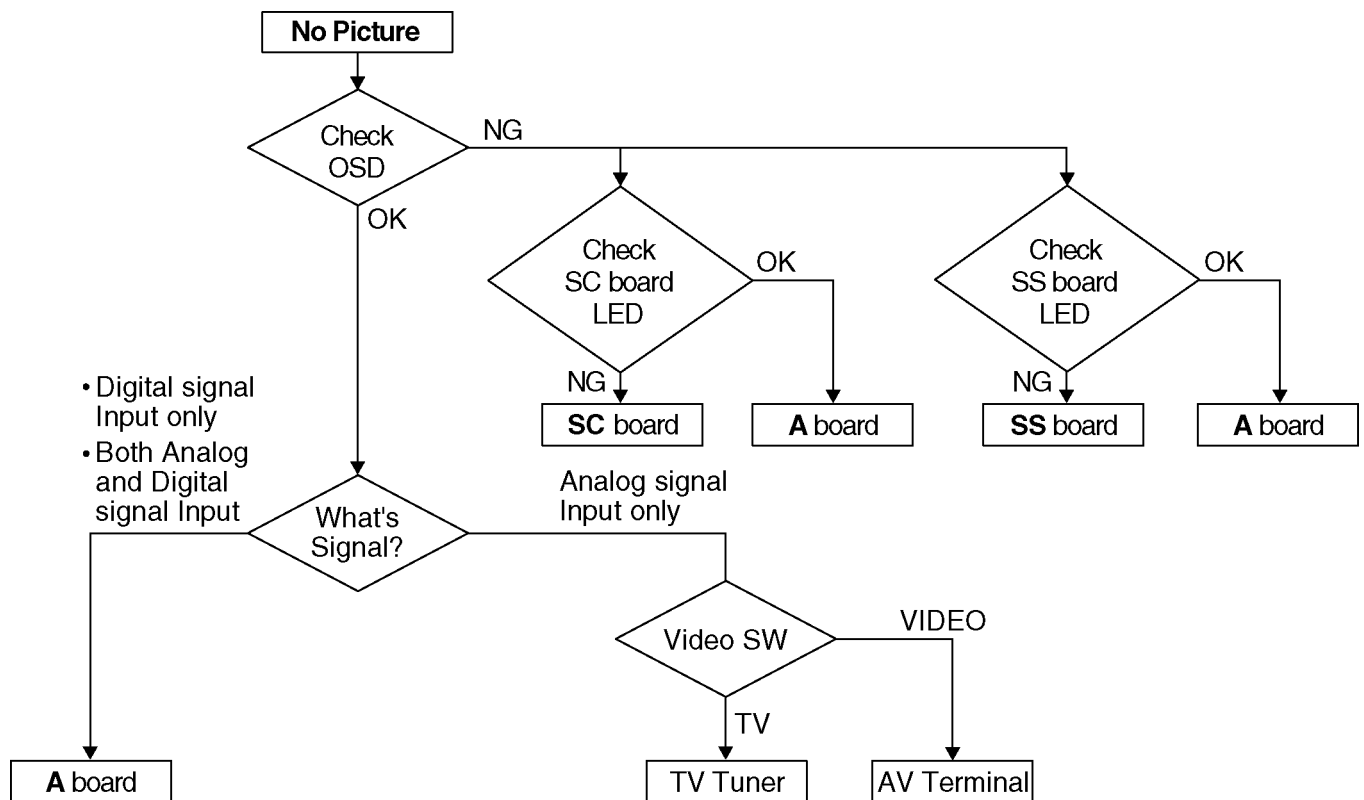
First check point

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

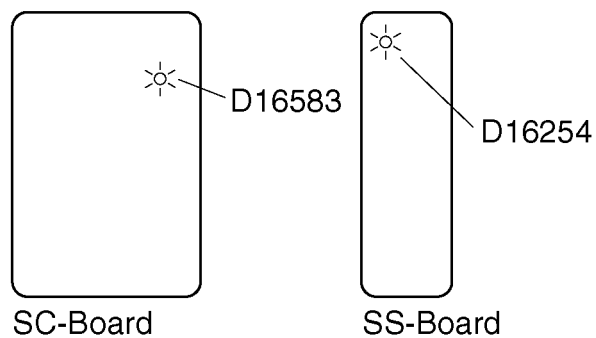
1. No lit.
2. Green is lit then turns red blinking a few seconds later. (See 7.2.)
3. Only red is lit.



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.

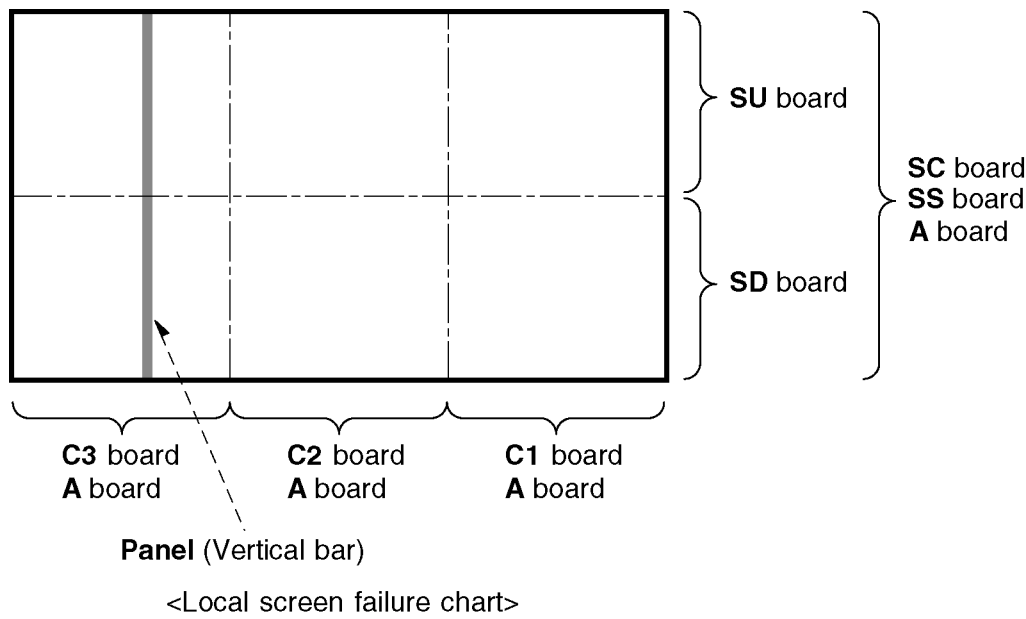


Fig-1

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:

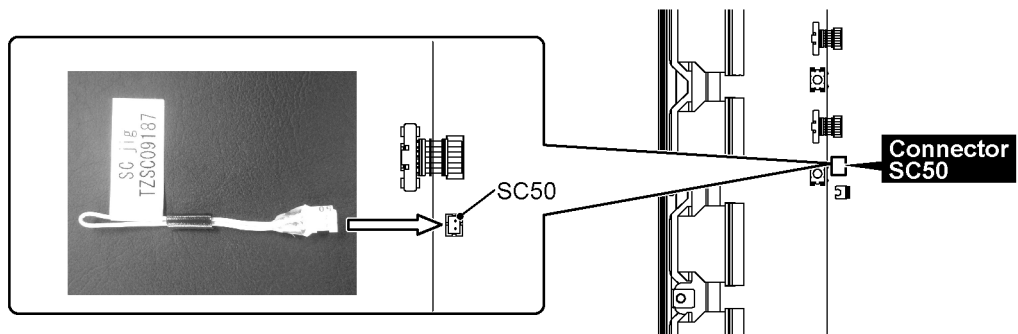
TZSC09187

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

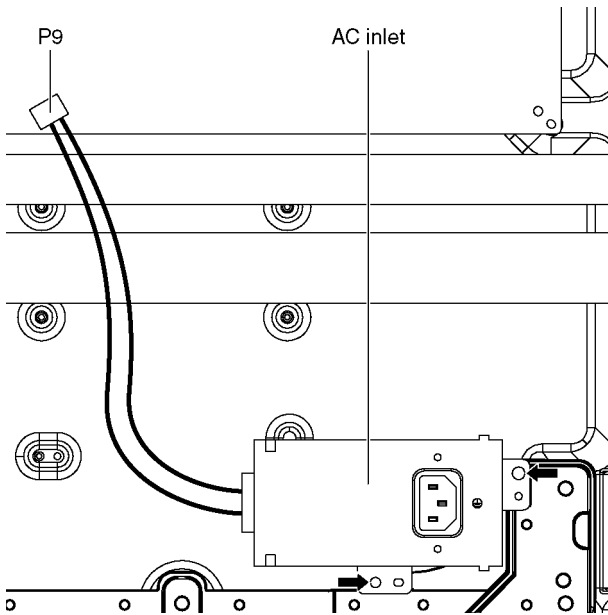
1. See PCB Layout (Section 3)

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 AC inlet.

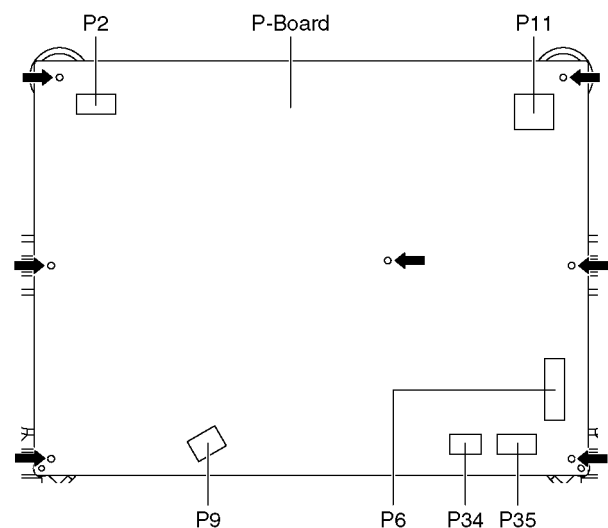


9.3. Remove the P-Board

Caution:

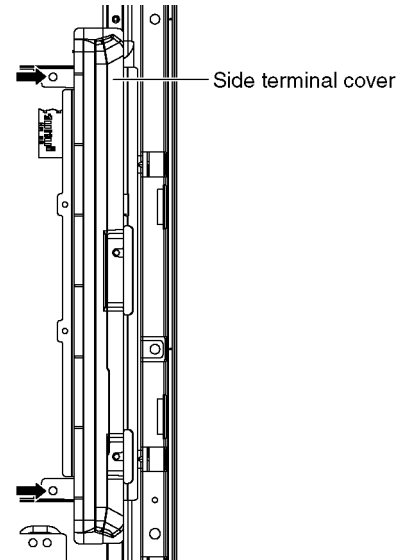
To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable
2. Disconnect the connectors (P2, P6, P9, P11, P34 and P35).
3. Remove the screws (×7 ➡) and remove the P-Board.



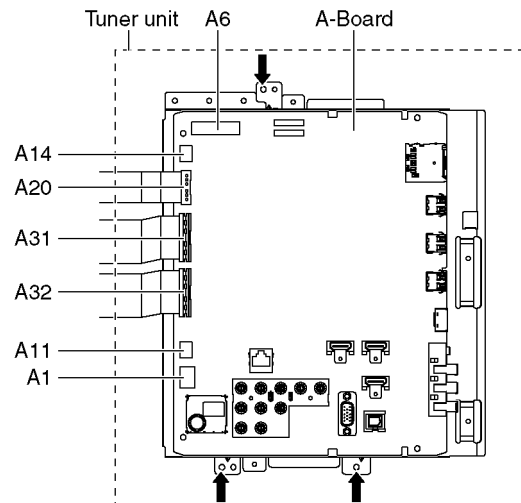
9.4. Remove the Side terminal cover

1. Remove the screws (×2 ➡).
2. Remove the Side terminal cover.



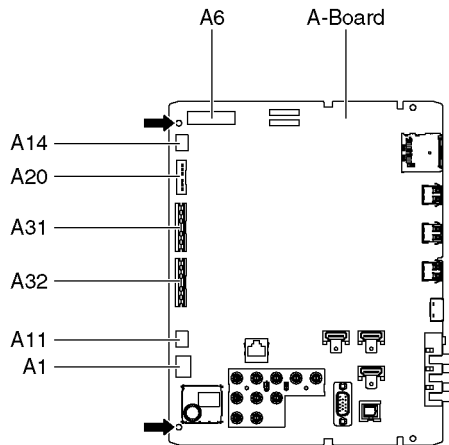
9.5. Remove the Tuner unit

1. Remove the Side terminal cover. (See section 9.4.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connectors (A1, A6, A11 and A14).
4. Disconnect the flexible cables (A20, A31 and A32).
5. Remove the screws (×3 ➡) and remove the Tuner unit.



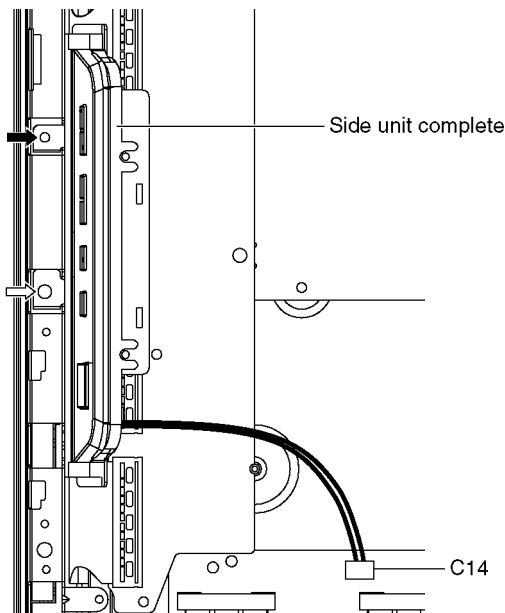
9.6. Remove the A-Board

1. Remove the Tuner unit. (See section 9.5.)
2. Remove the screws (×2 ➡) and remove the A-Board.

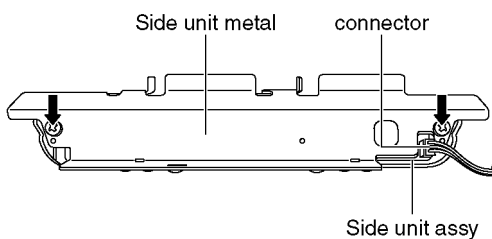


9.7. Remove the Side unit assy

1. Disconnect the connector (C14).
2. Remove the screws (×1 ➡, ×1 ⇨) and remove the Side unit complete.

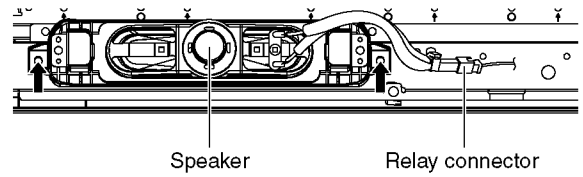


3. Remove the screws (×2 ➡).
4. Disconnect the connector.
5. Remove the Side unit assy from the Side unit metal.



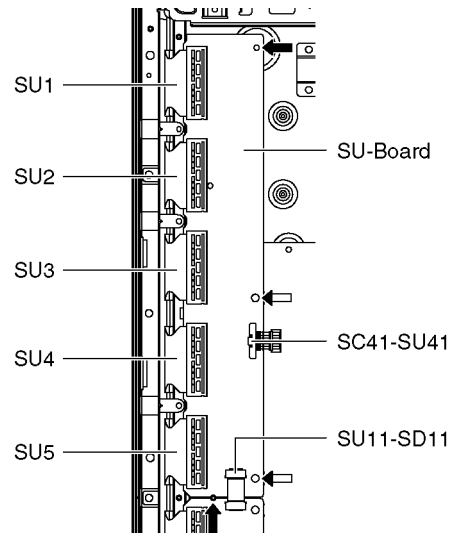
9.8. Remove the Speakers

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).



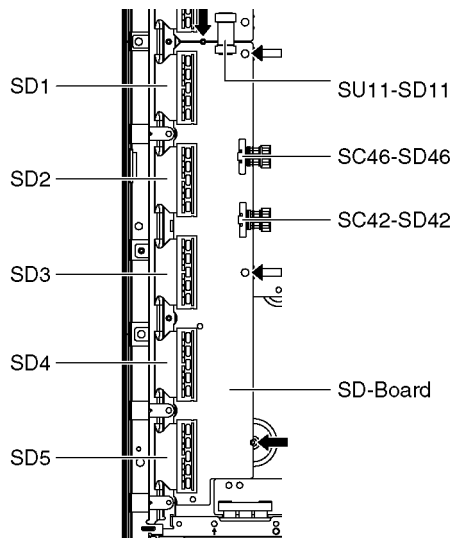
9.9. Remove the SU-Board

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.



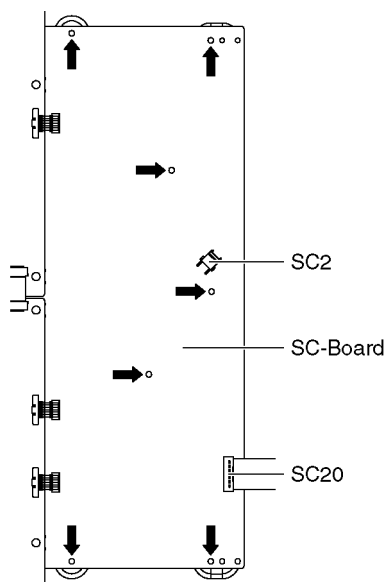
9.10. Remove the SD-Board

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.



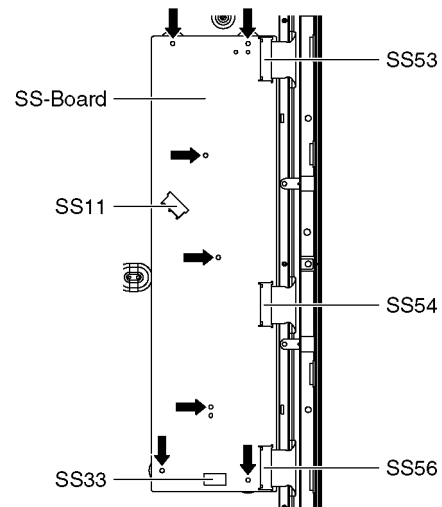
9.11. Remove the SC-Board

1. Remove the SU-Board and SD-Board. (See section 9.9. and 9.10.)
2. Disconnect the connector (SC2).
3. Disconnect the flexible cable (SC20).
4. Remove the screws (×7 ➡) and remove the SC-Board.



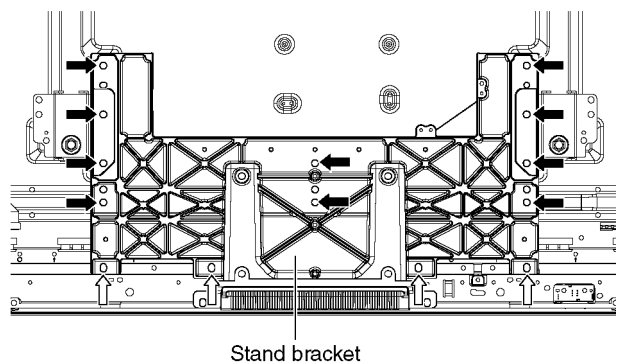
9.12. Remove the SS-Board

1. Remove the Tuner unit. (See section 9.5.)
2. Disconnect the connector (SS11).
3. Disconnect the flexible cable (SS33).
4. Disconnect the flexible cables (SS53, SS54 and SS56).
5. Remove the screws (×7 ➡) and remove the SS-Board.



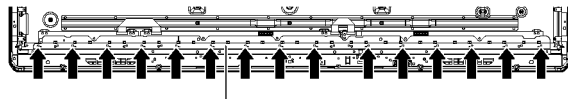
9.13. Remove the Stand bracket

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. Remove the AC inlet. (See section 9.2.)
3. Remove the Stand bracket fastening screws (×10 ➡, ×4 ⇨) and the Stand bracket.



9.14. Remove the Contact metal bottom A

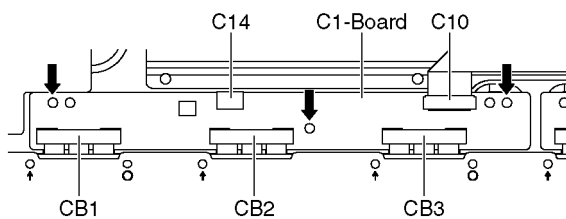
1. Remove the screws (×15 ➡) and remove the Contact metal bottom A.



Contact metal bottom A

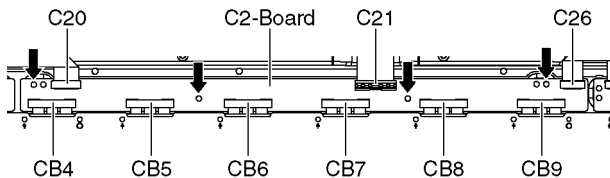
9.15. Remove the C1-Board

1. Disconnect the flexible cables (CB1, CB2 and CB3).
2. Disconnect the flexible cable (C10).
3. Disconnect the connector (C14).
4. Remove the screws (×3 ➡) and remove the C1-Board.



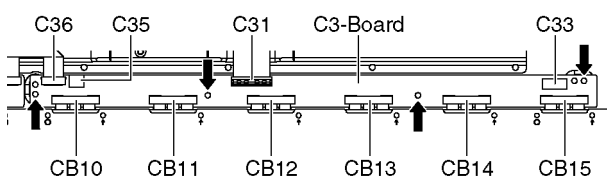
9.16. Remove the C2-Board

1. Remove the Stand bracket. (See section 9.13.)
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.



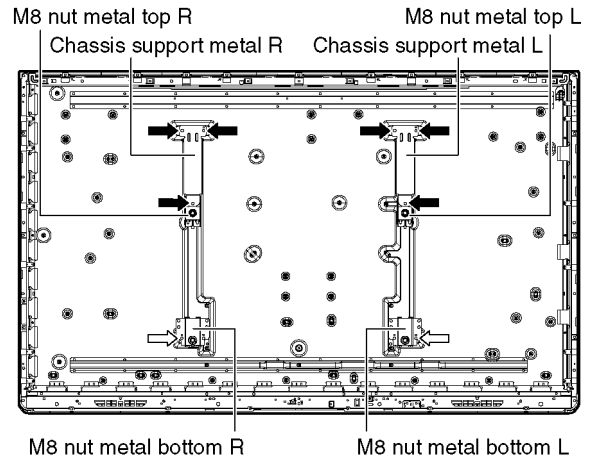
9.17. Remove the C3-Board

1. Remove the Stand bracket. (See section 9.13.)
2. Disconnect the flexible cables (CB10, CB11, CB12, CB13, CB14 and CB15).
3. Disconnect the flexible cables (C31, C33 and C36).
4. Disconnect the connector (C35).
5. Remove the screws (×4 ➡) and remove the C3-Board.



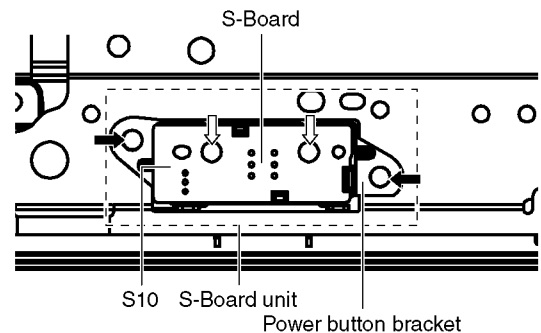
9.18. Remove the Chassis support metals and the M8 nut metals

1. Remove the Stand bracket. (See section 9.13.)
2. Remove the screws (×3 ➡ each) and remove the Chassis support metal (L, R) and the M8 nut metal top (L, R).
3. Remove the screw (×1 ⇨ each) and remove the M8 nut metal bottom (L, R).



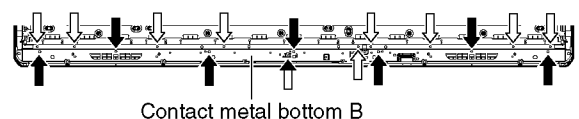
9.19. Remove the S-Board

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.



9.20. Remove the Contact metal bottom B

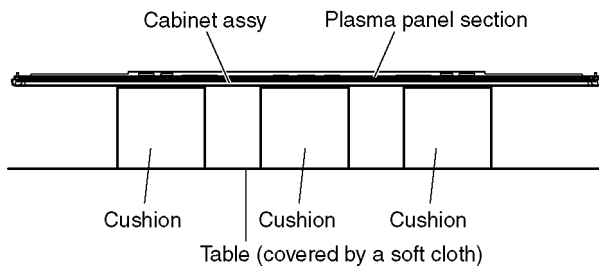
1. Remove the Stand bracket. (See section 9.13.)
2. Remove the screws (×7 ➡, ×9 ⇨, ×1 ⇨).
3. Remove the Contact metal bottom B.



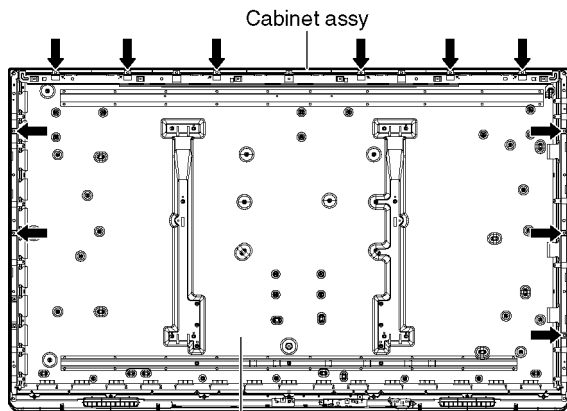
Contact metal bottom B

9.21. 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.

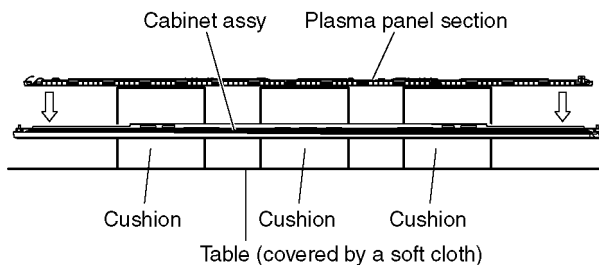


2. Remove the Contact metal bottom B. (See section 9.20.)
3. Remove the screws ($\times 11 \rightarrow$).



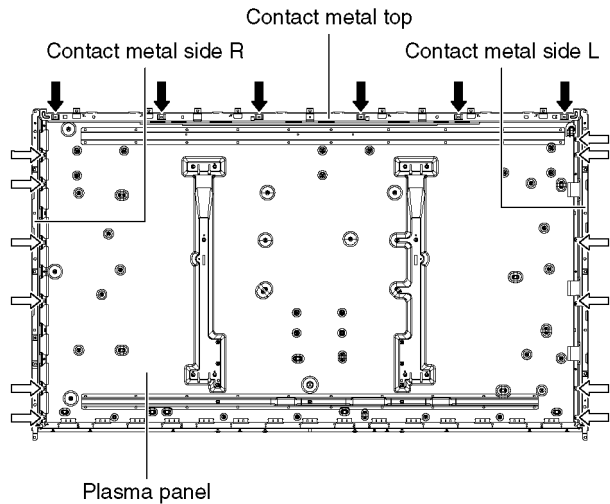
Plasma panel section

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



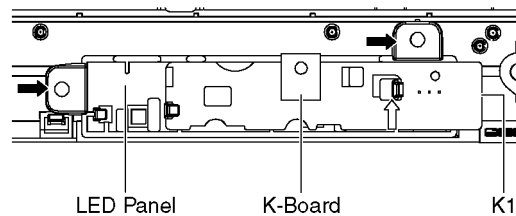
9.22. Remove the Contact metals

1. Remove the Cabinet assy. (See section 9.21.)
2. Remove the Tape from the Contact metals.
3. Remove the screws ($\times 12 \rightarrow$).
4. Remove the Contact metal side (L, R).
5. Remove the screws ($\times 6 \rightarrow$).
6. Remove the Contact metal top.



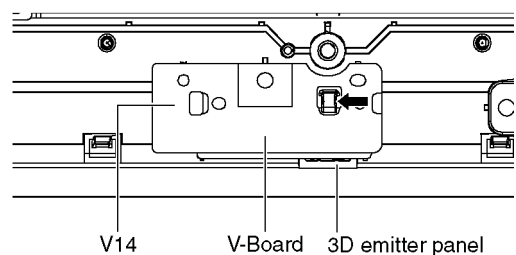
9.23. Remove the K-Board

1. Remove the Contact metal bottom B. (See section 9.20.)
2. Remove the screws ($\times 2 \rightarrow$).
3. Remove the claw ($\times 1 \rightarrow$).
4. Disconnect the connector (K1) and remove the K-Board from the LED Panel.



9.24. Remove the V-Board

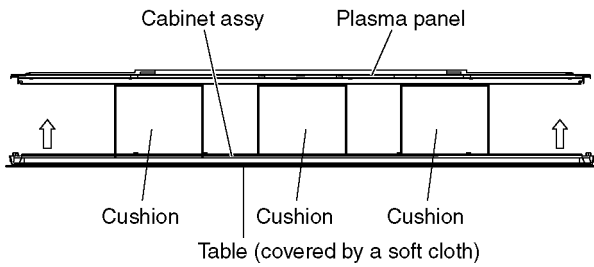
1. Remove the Contact metal bottom B. (See section 9.20.)
2. Remove the Claw ($\times 1 \rightarrow$).
3. Disconnect the connector (V14) and remove the V-Board from the 3D emitter panel.



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

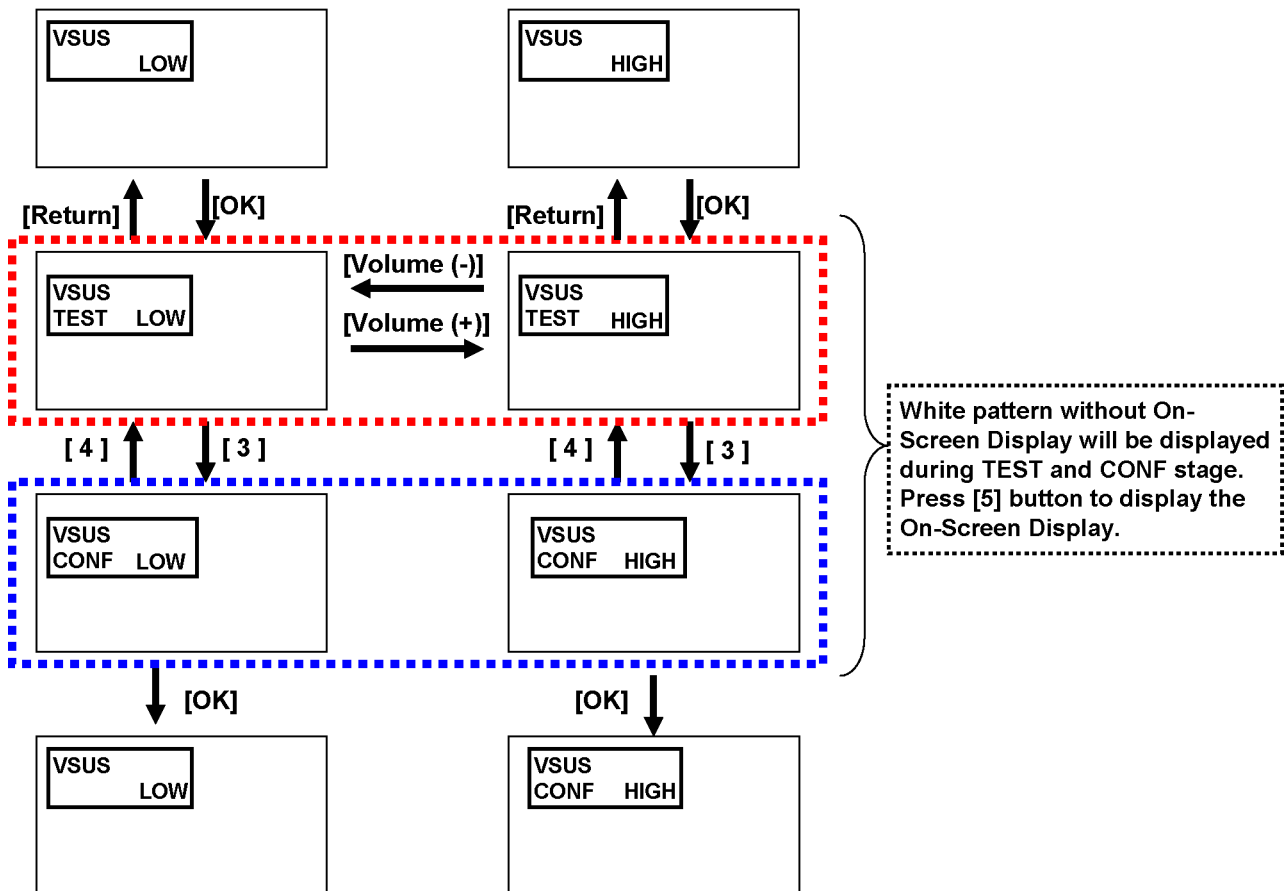
Caution:

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

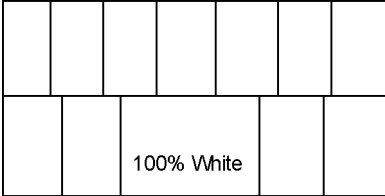
Procedure

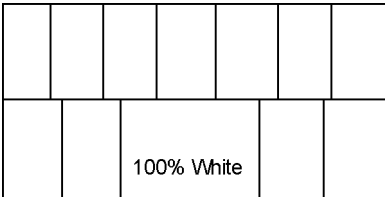
1. Go into main item [VSUS] in Service Mode. LOW or HIGH will be displayed.
2. Press [OK] button to go to TEST stage.
White pattern without On-Screen Display will be displayed during TEST and CONF stage. Press [5] button to display the On-Screen Display.
3. Press [VOL (-)] button to set to LOW.
4. In LOW setting
 - a. If no several dead pixel is visible remarkably in white pattern, press [3] button to go to CONF stage.
 - b. If the several dead pixels are visible remarkably in white pattern, Set to HIGH by press [VOL (+)] button. Press [3] button to go to CONF stage if the symptom is improved.
5. Press [OK] button in CONF stage to store LOW or HIGH.
6. 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.	

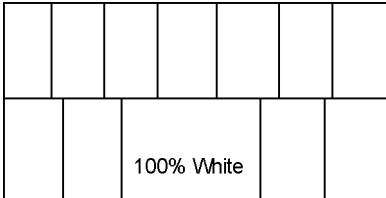
Steps	Remarks
Another procedure Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later. Adjustment of HD system - At 1080i 100% Full White or Split colour bar receive component signal, as shown below.  - Goes into service mode. - Push [1] 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 PPD.)

COLOR TEMP	x	y
COOL	0.270	0.271
NORMAL	0.290	0.292
WARM	0.313	0.322

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

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)

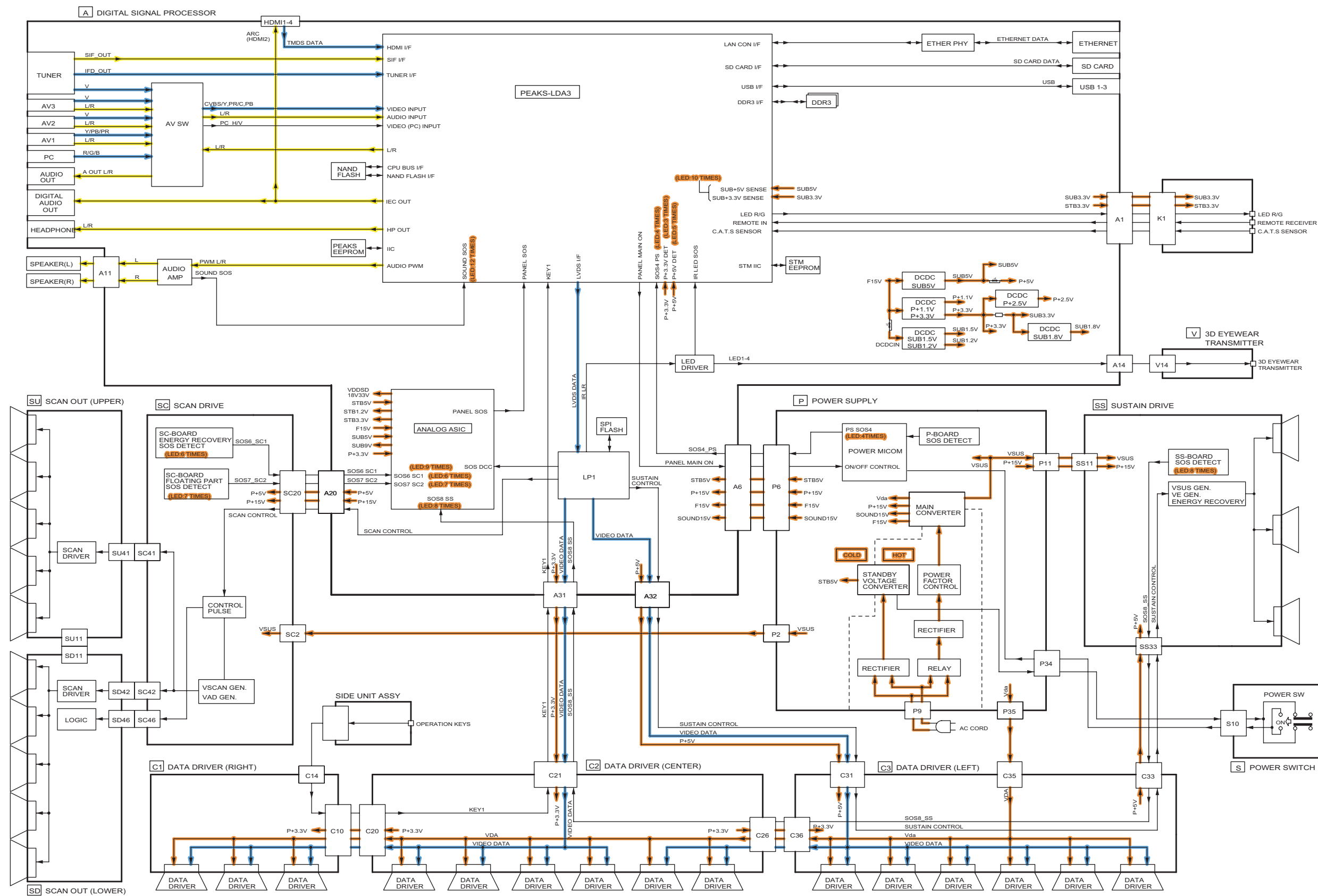
signal / temp	Meaning of value	address
SD High	R-Cutoff for SD High	A0-070c
	G-Cutoff for SD High	A0-070d
	B-Cutoff for SD High	A0-070e
	R-Drive for SD High	A0-070f
	G-Drive for SD High	A0-0710
	B-Drive for SD High	A0-0711
SD Middle	R-Cutoff for SD Middle	A0-0712
	G-Cutoff for SD Middle	A0-0713
	B-Cutoff 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)

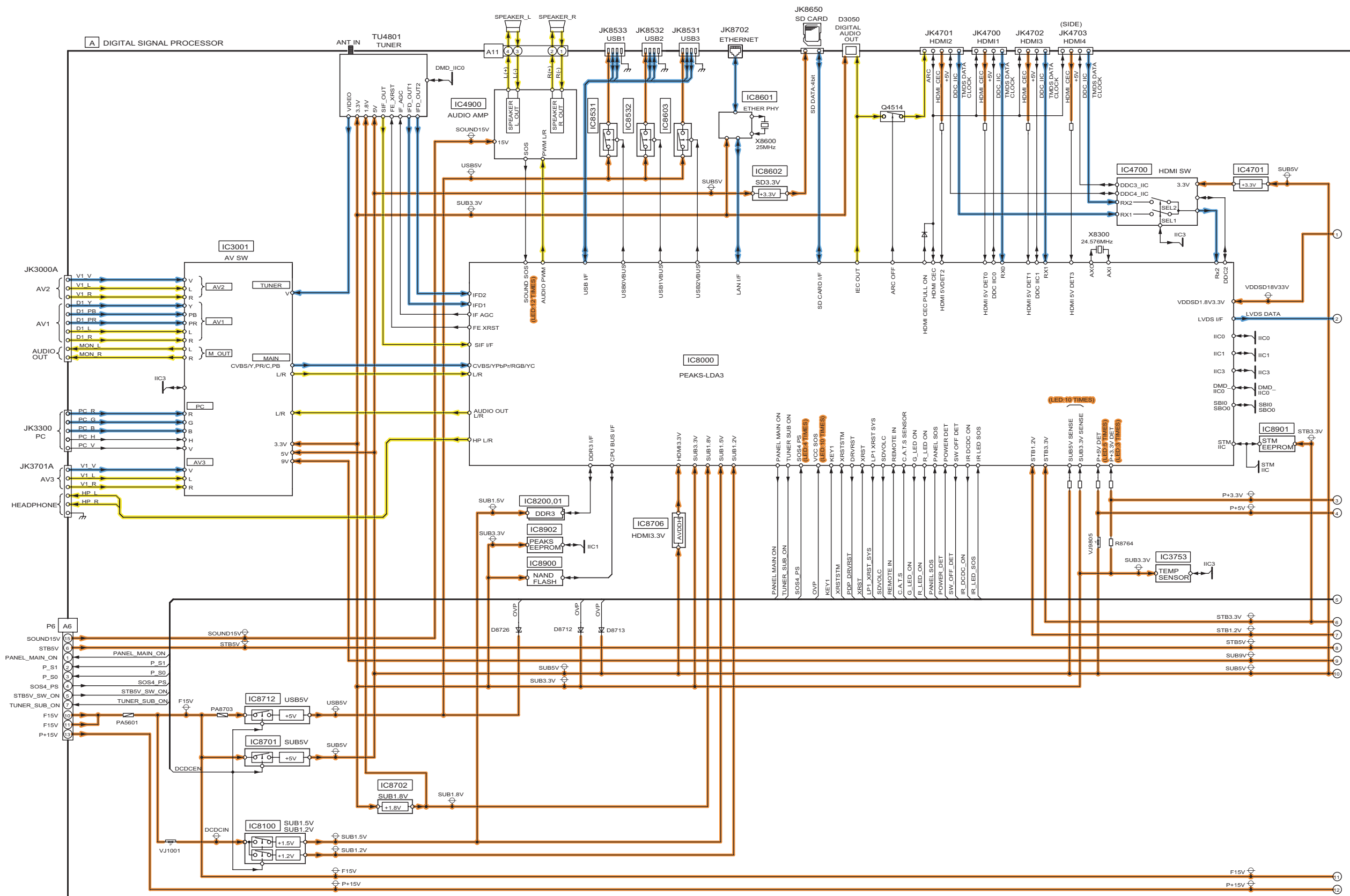
signal / temp	Meaning of value	address
SD High	R-Cutoff difference for SD High	A0-0730
	G-Cutoff difference for SD High	A0-0731
	B-Cutoff difference for SD High	A0-0732
	R-Drive difference for SD High	A0-0733
	G-Drive difference for SD High	A0-0734
	B-Drive difference for SD High	A0-0735
SD Middle	R-Cutoff 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

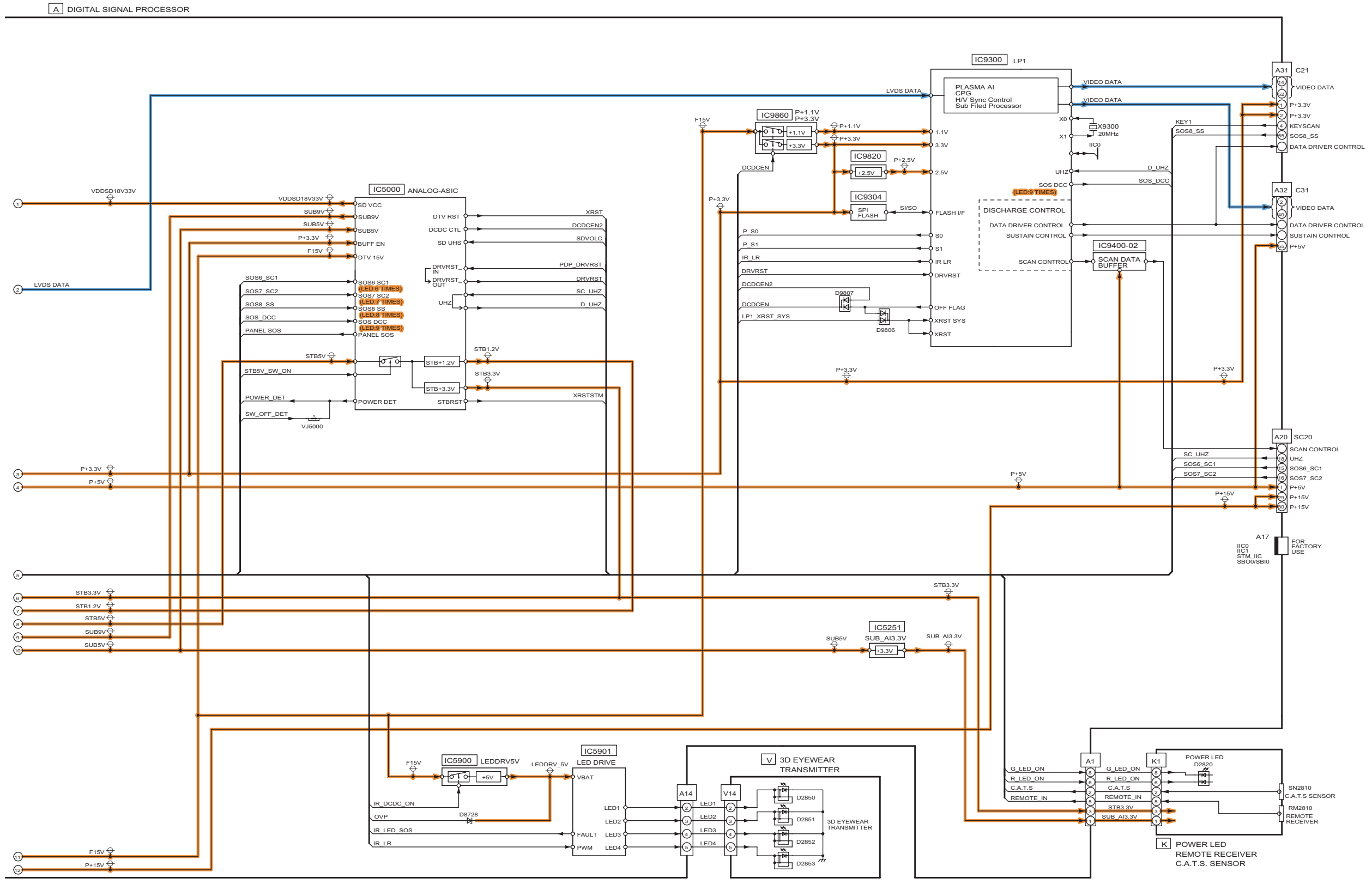
11.1. Main Block Diagram



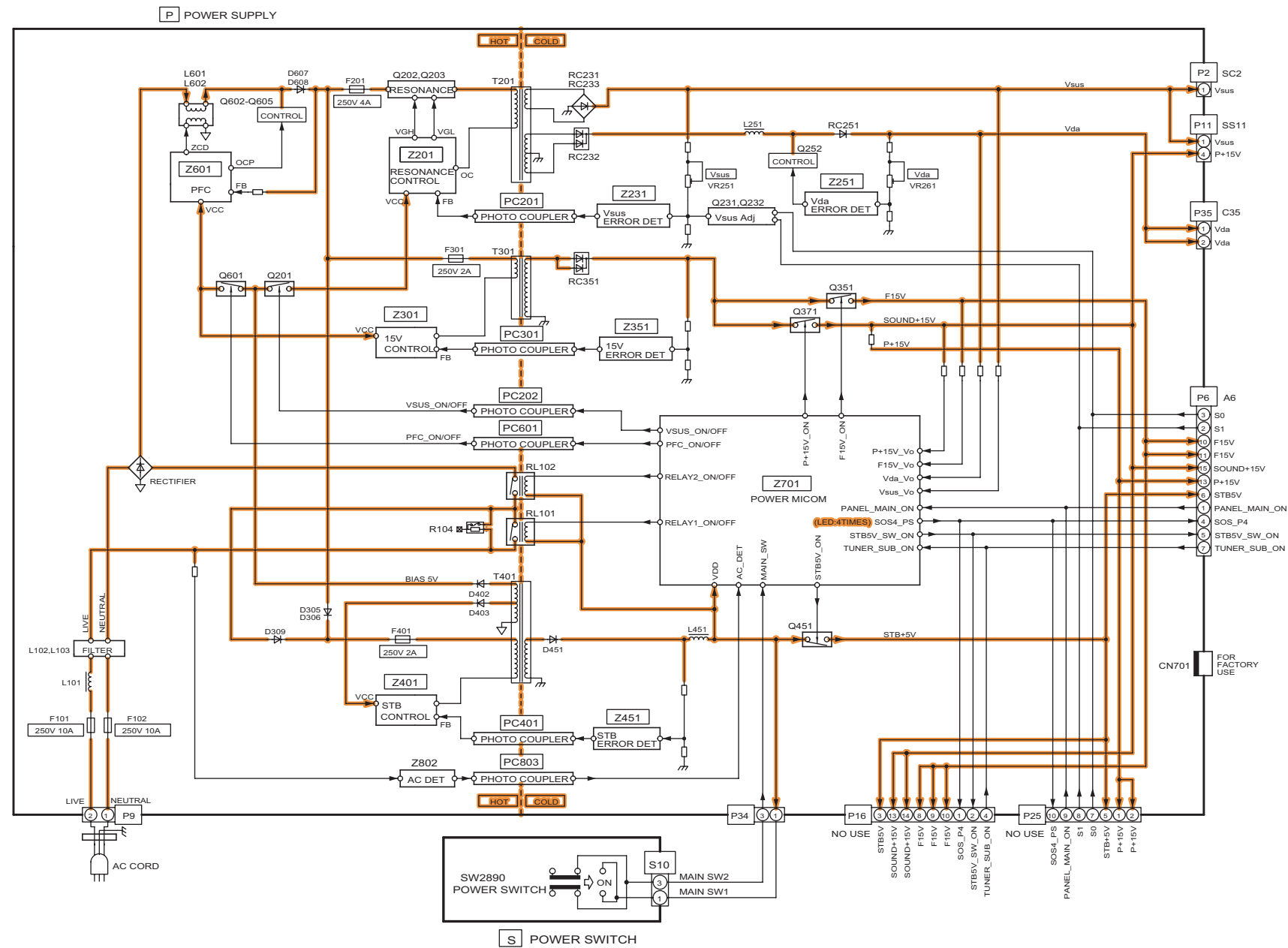
11.2. Block (1/4) Diagram



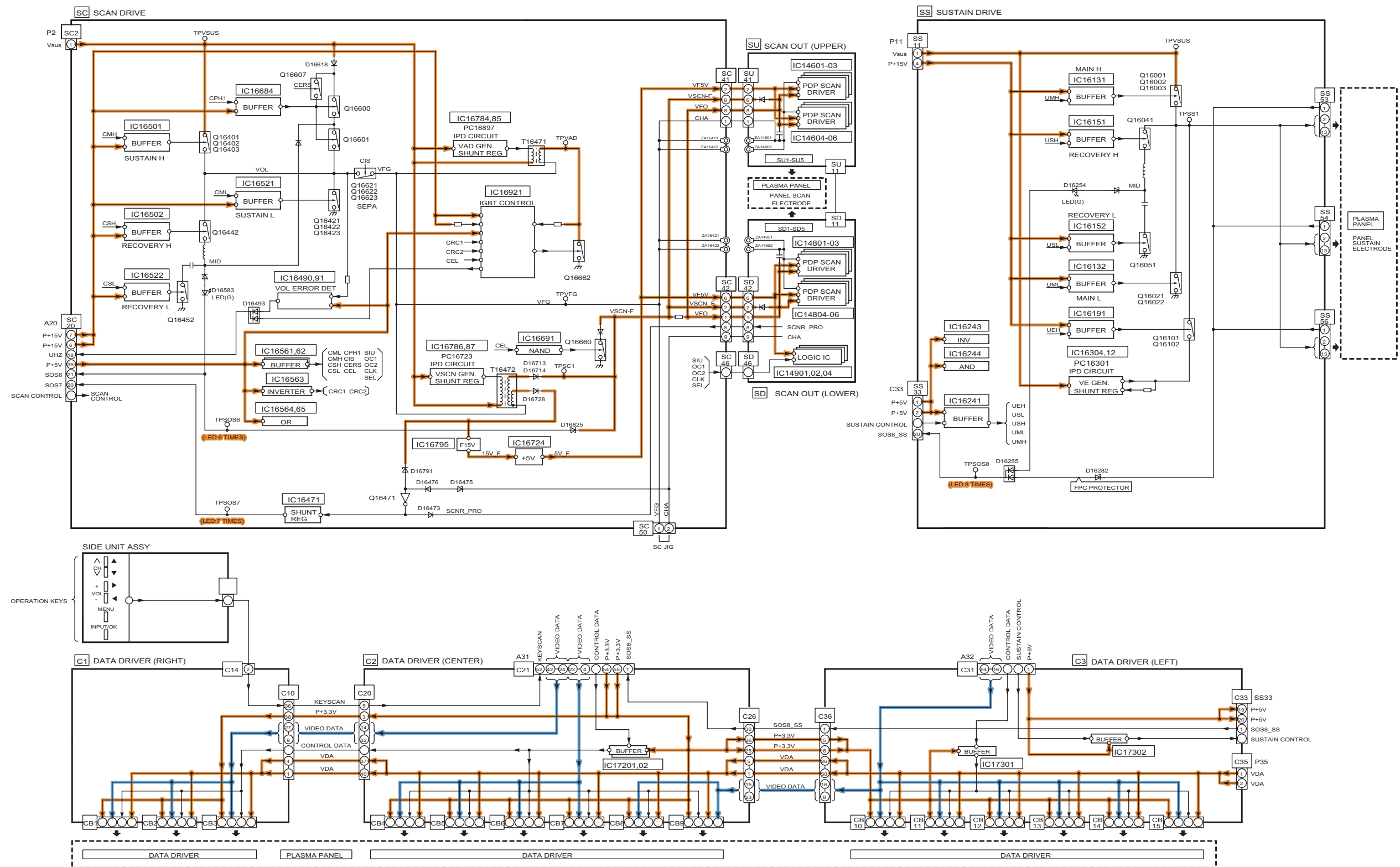
11.3. Block (2/4) Diagram



11.4. Block (3/4) Diagram



11.5. Block (4/4) Diagram



12 Wiring Connection Diagram

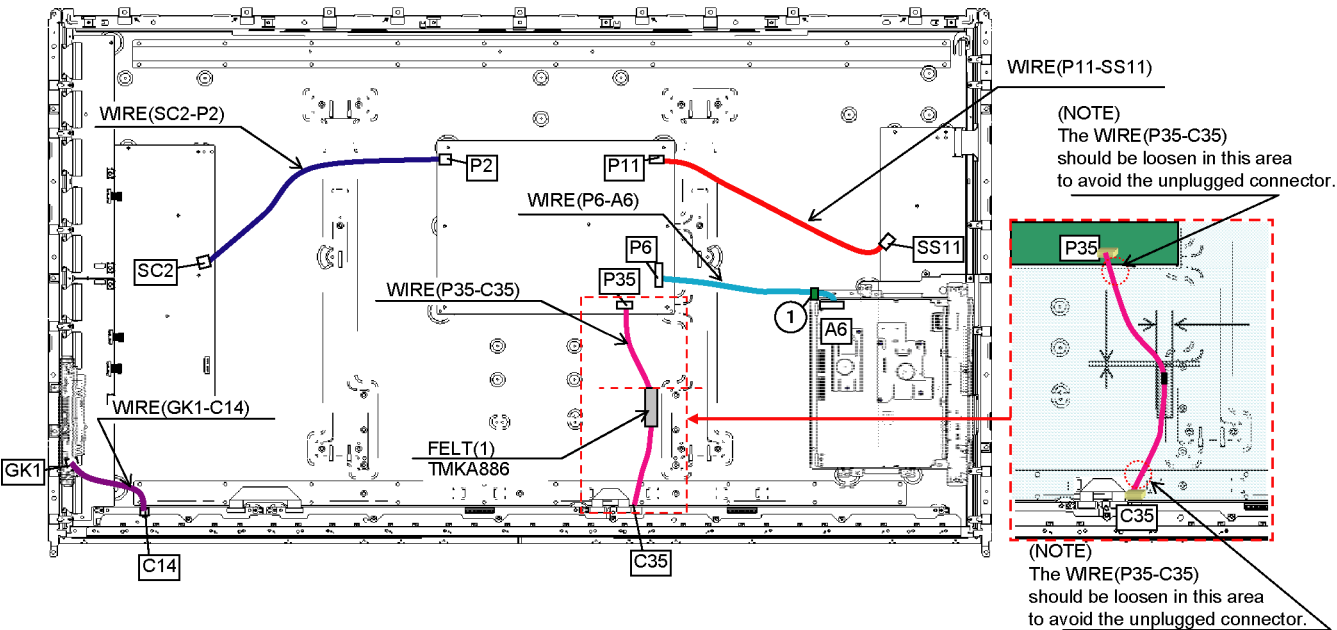
12.1. Caution statement.

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)

CONNECTOR No. and NAME		CLAMPER No.			
		①			
SC2	P2				
P11	SS11				
P35	C35				
A6	P6	○			
GK1	C14				

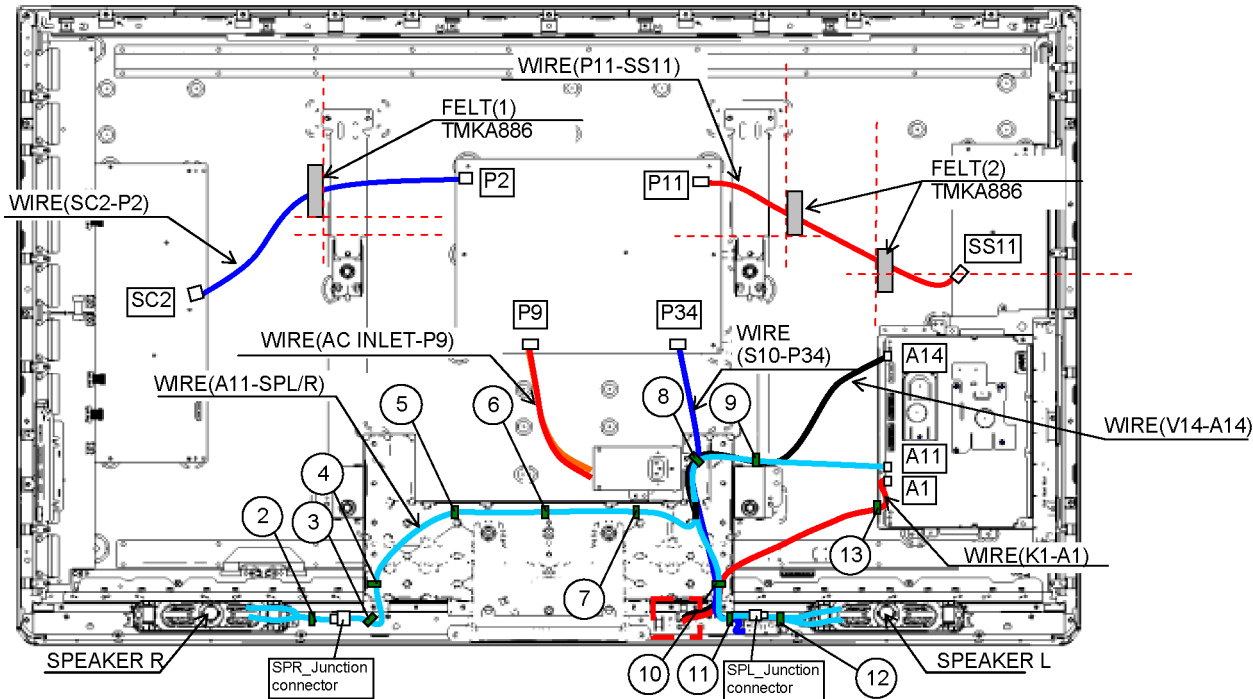
As drawing below, do the wire dressing



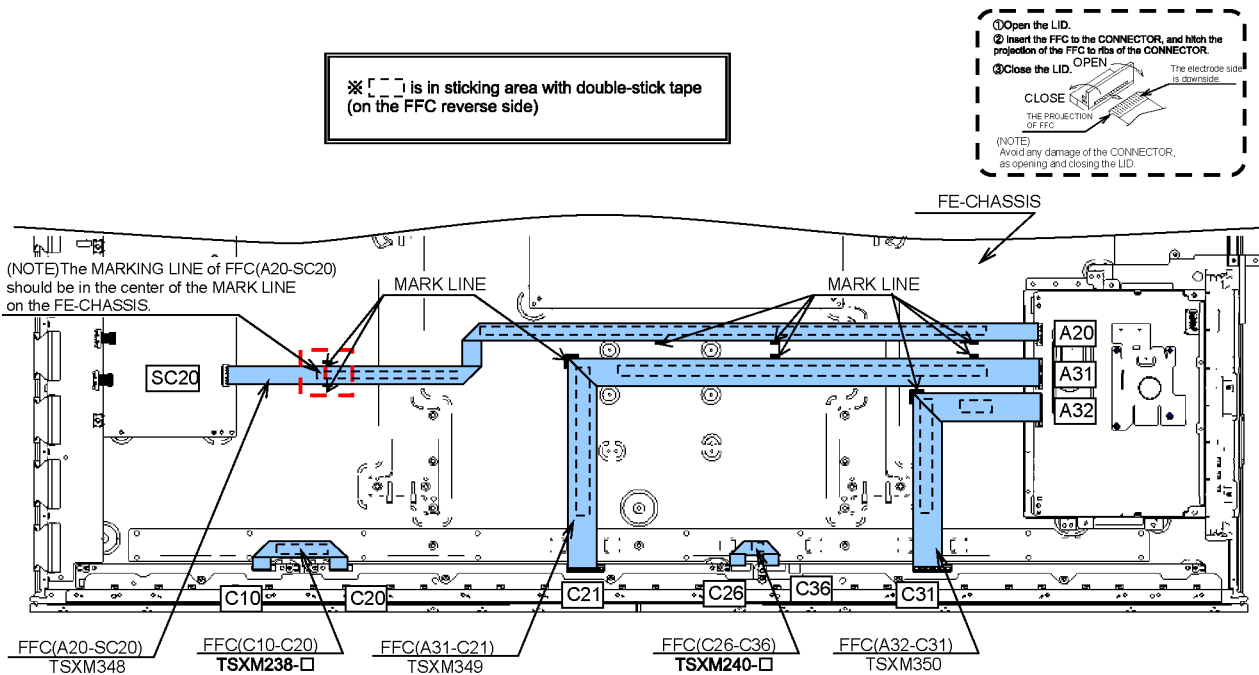
12.3. Wiring (2)

CONNECTOR No. and NAME		②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	
AC INLET	P9													
S10	P34									○	○			
K1	A1											○		
V14	A14								○	○				
A11	SPR_Junction connector			○	○	○								
	SPL_Junction connector						○	○		○	○	○		

As drawing below, do the wire dressing.

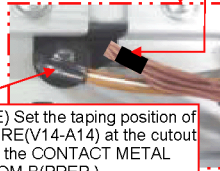


12.4. Wiring (3)

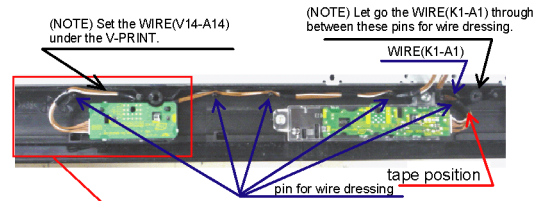


12.5. Wiring (4)

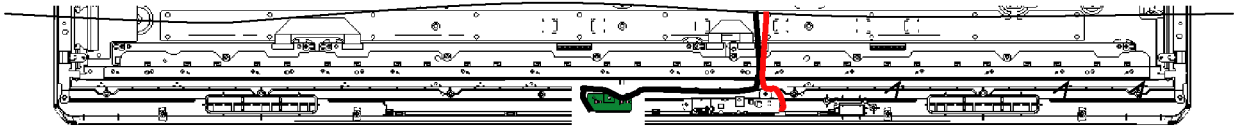
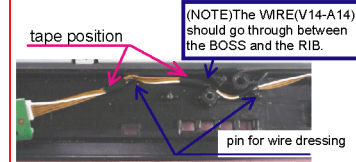
(NOTE)
The WIRE(K1-A1) go through
the cutout part first without
stress before setting the WIRE
(V14-A14).



(NOTE) Set the taping position of
the WIRE(V14-A14) at the cutout
part of the CONTACT METAL
BOTTOM B(PREP.).



DETAIL PHOTO for WIRE DRESSING
before 3D EMITTER PANEL (PREP.)
ATTACHMENT



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-P55ST30A/Z Replacement Parts List Note

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

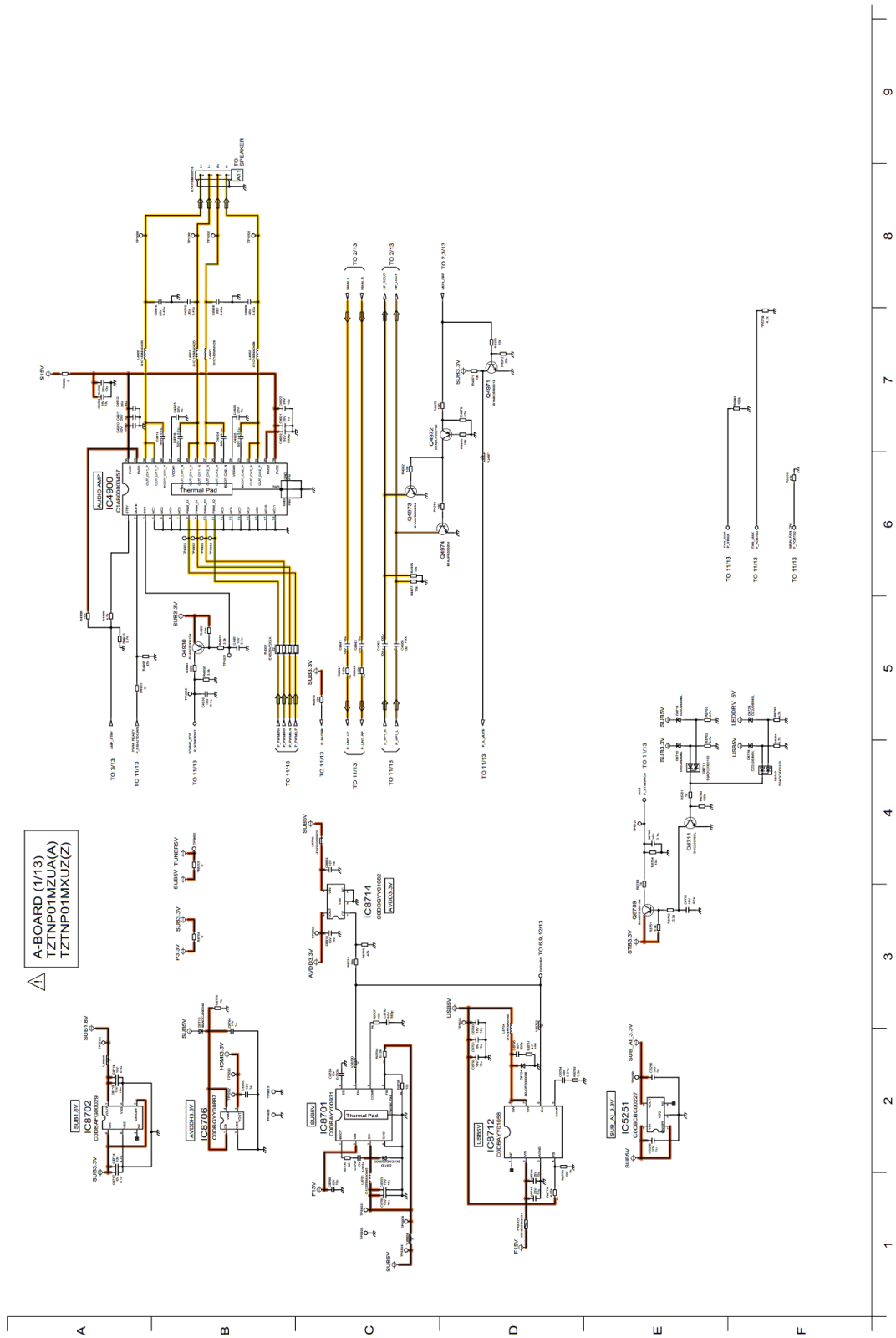
2. Capacitor

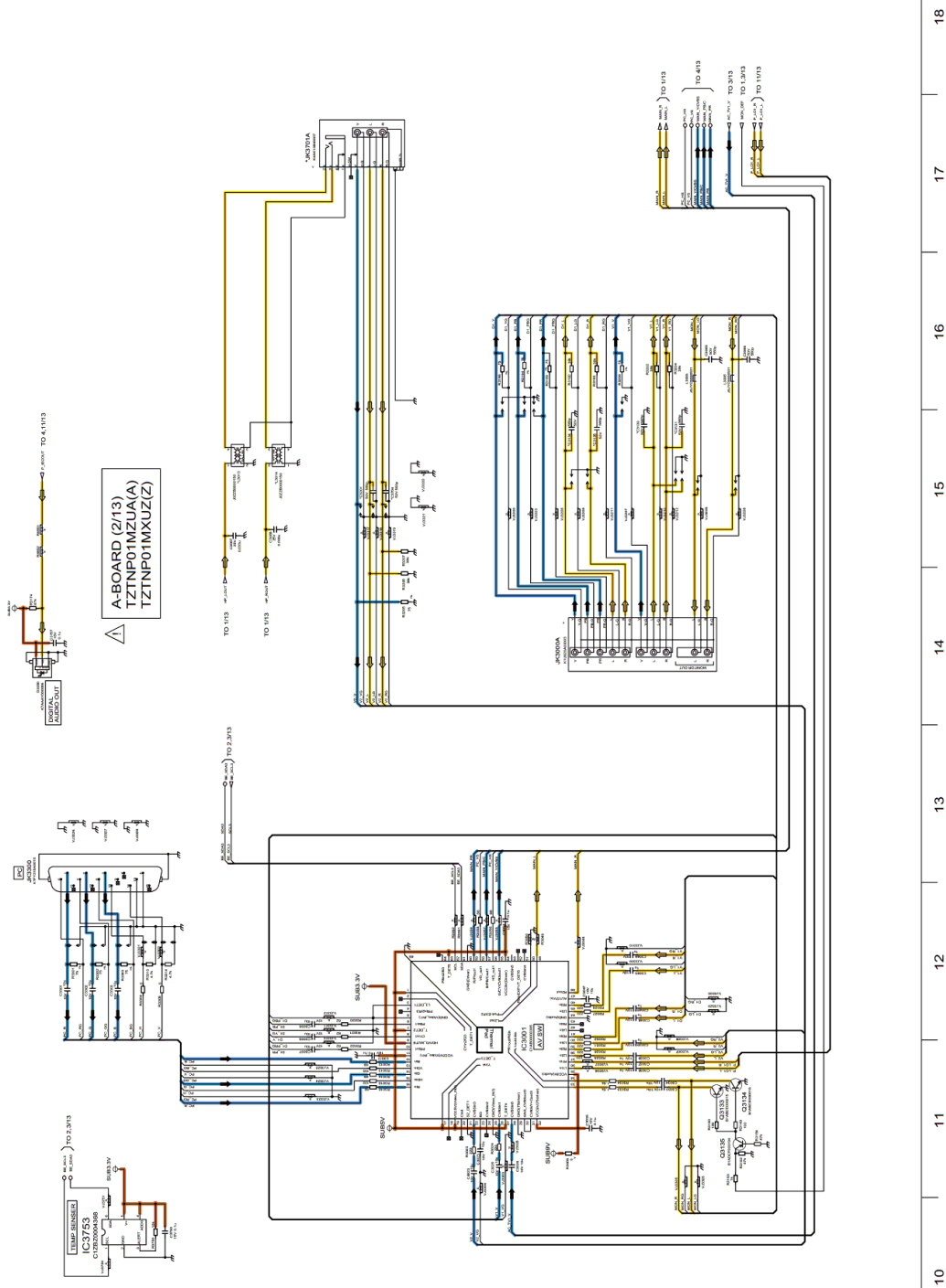
Example:

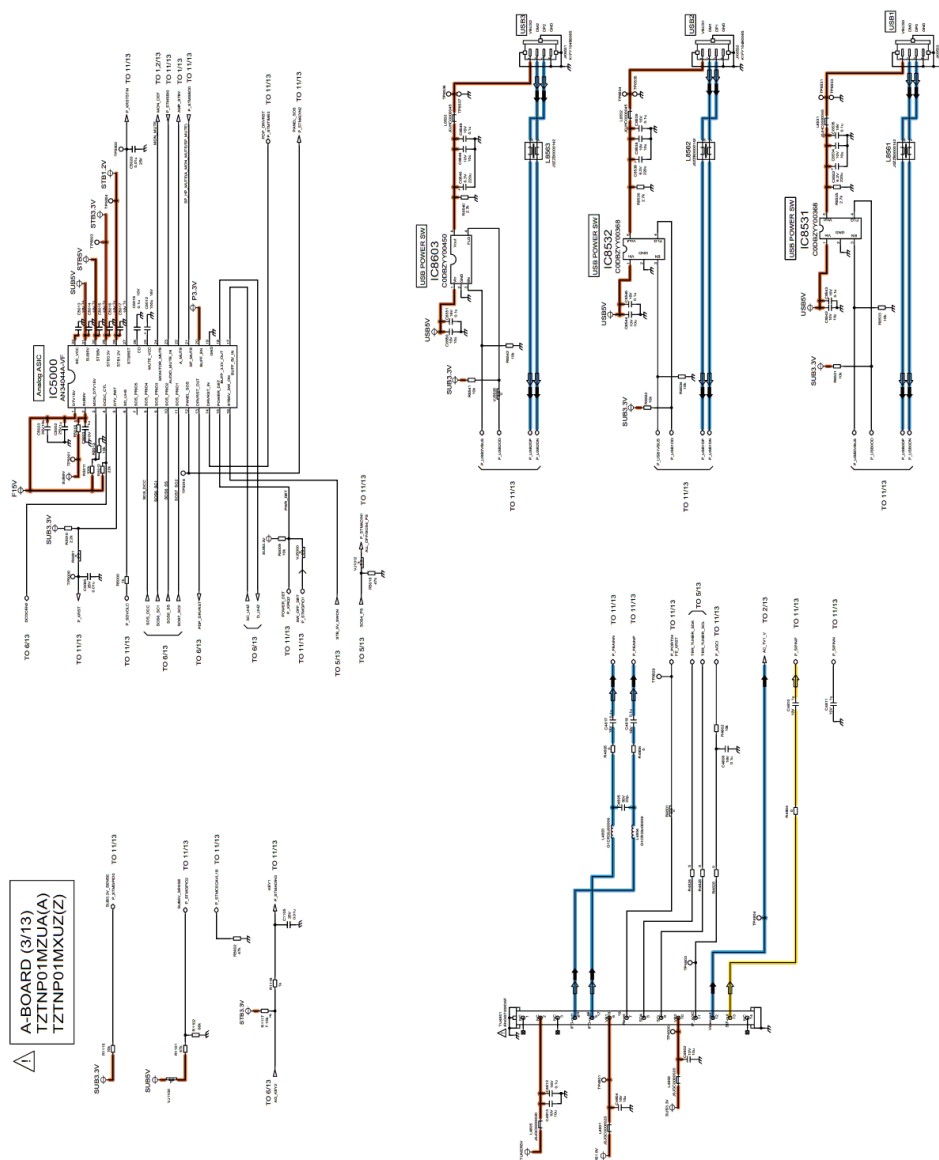
ECKF1H103ZF C 0.01UF, Z, 50V
 Type Allowance

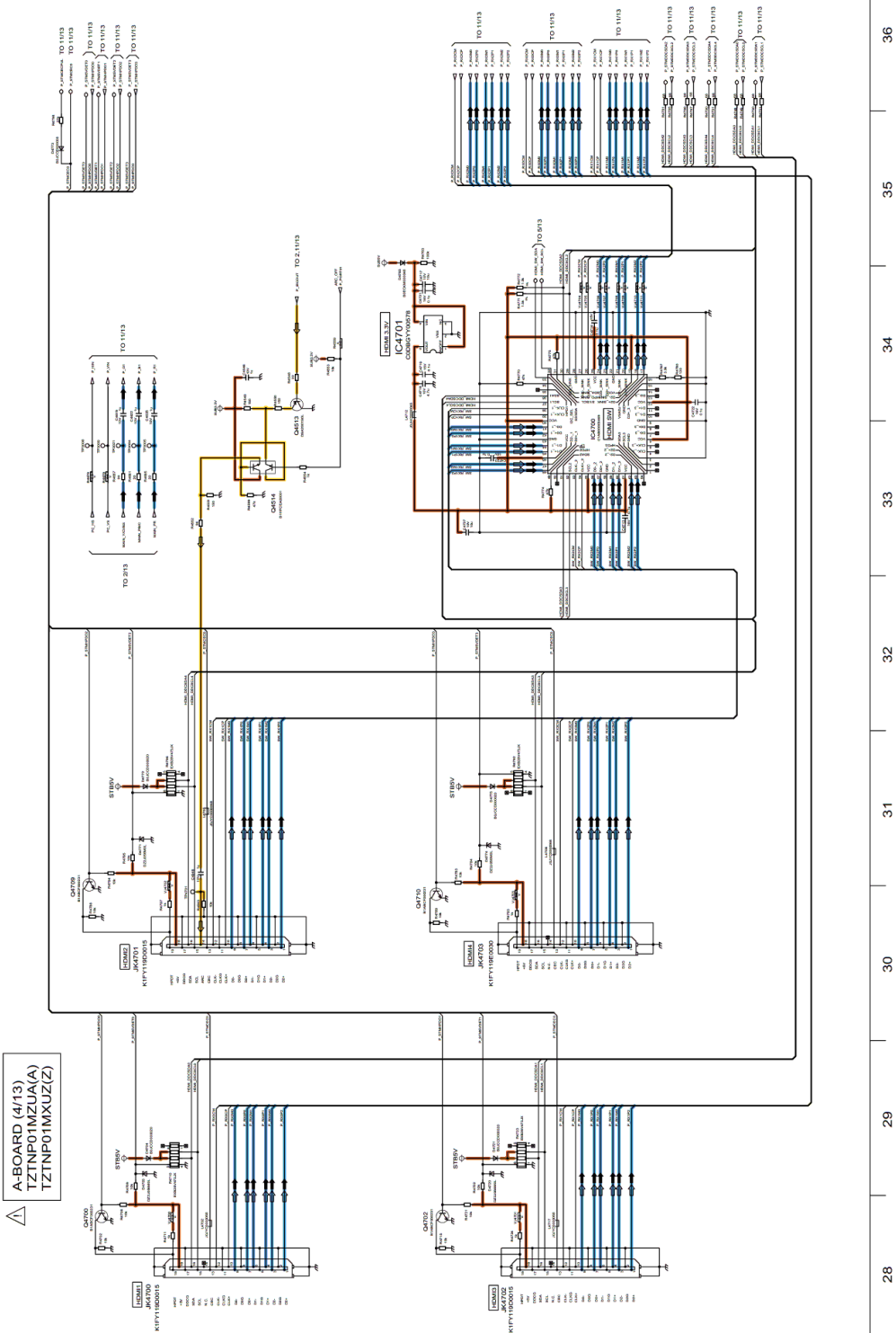
Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide	J : ±5%
Metal Film	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

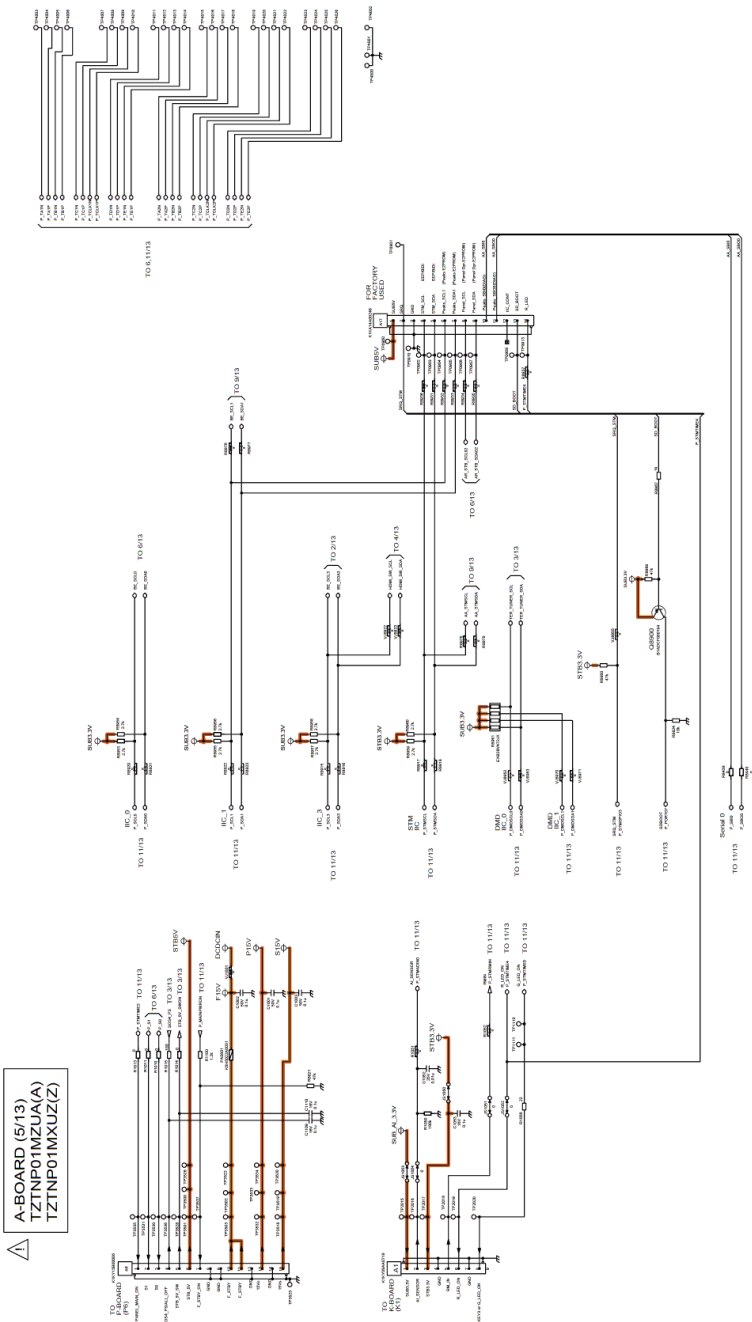
Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester	F : ±1pF
Polyprop	G : ±3pF
lene	J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%











45

44

43

42

41

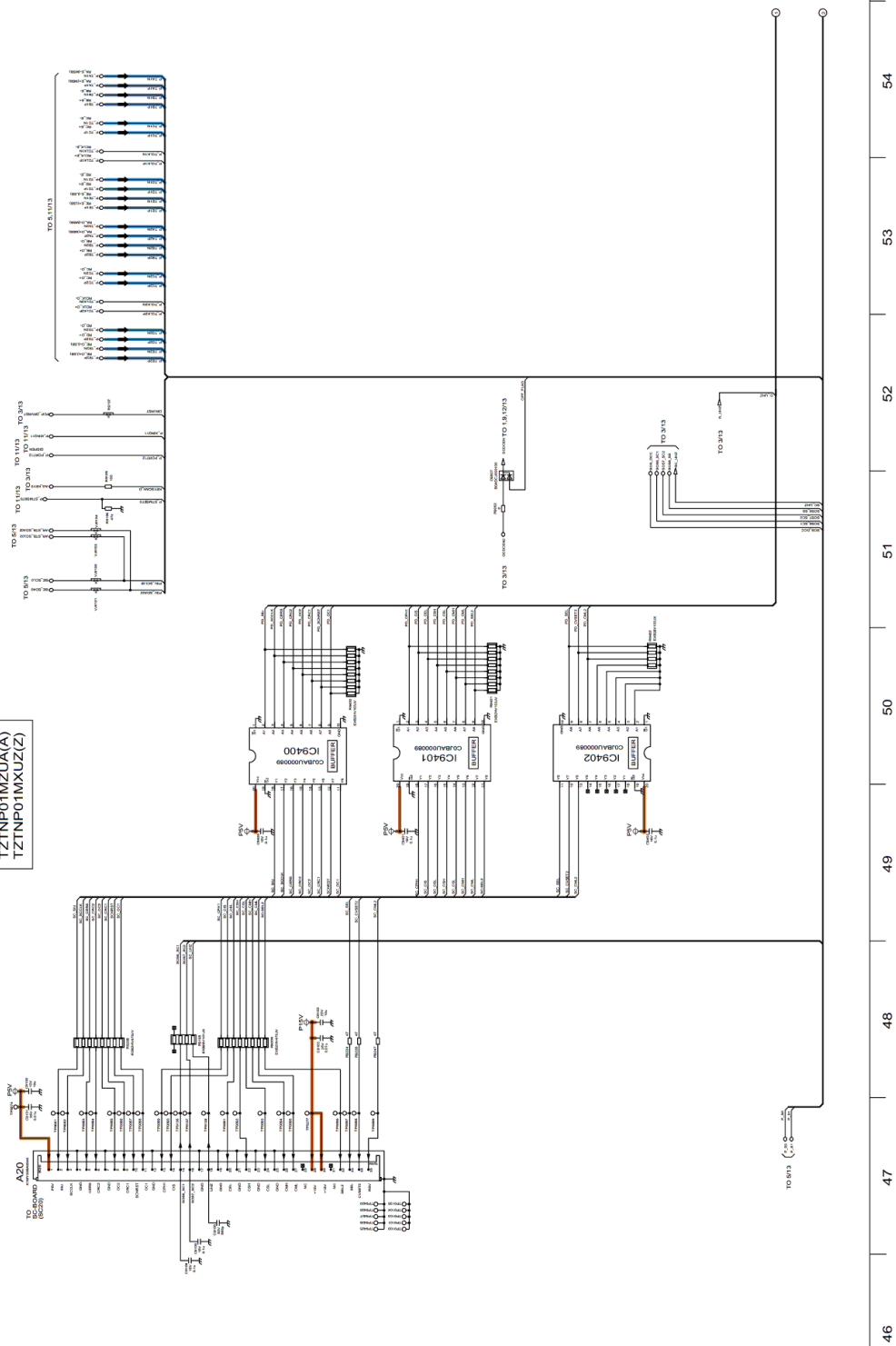
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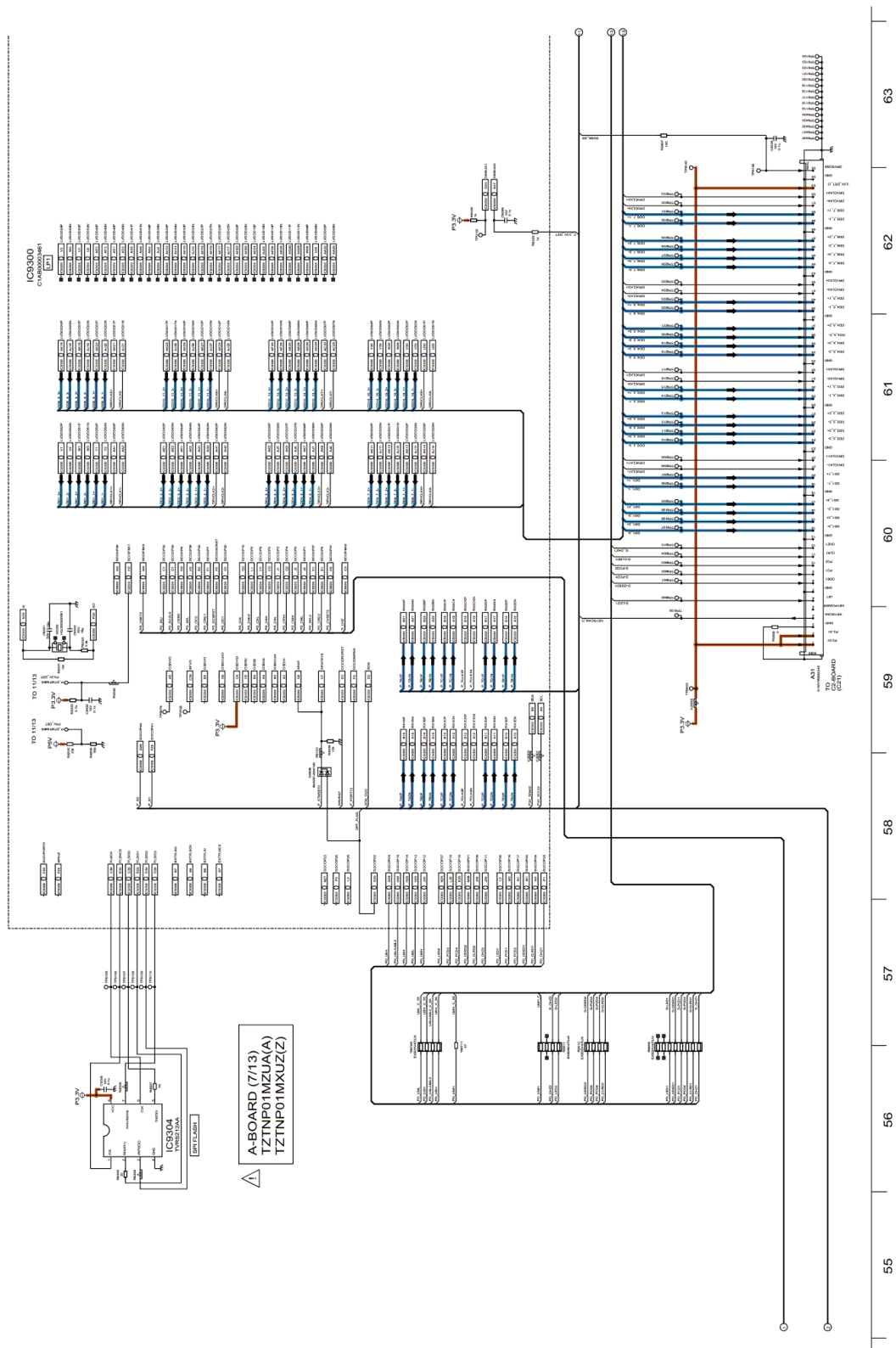
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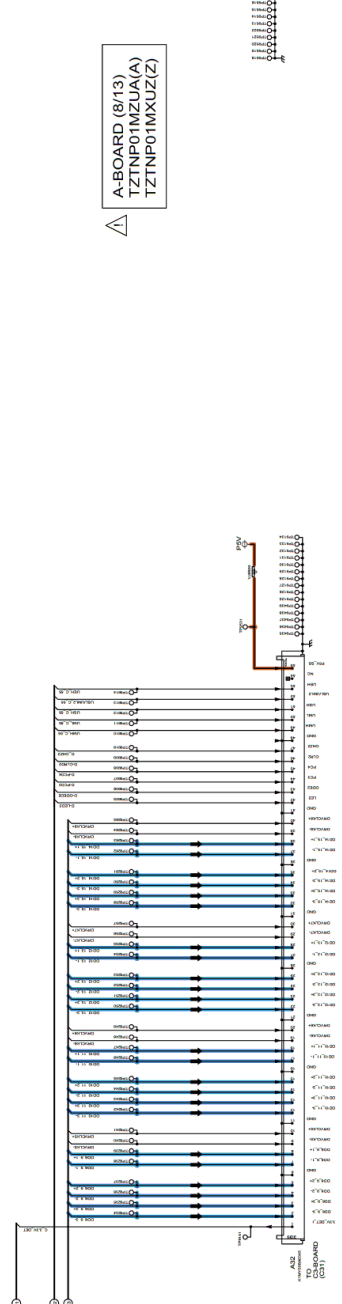
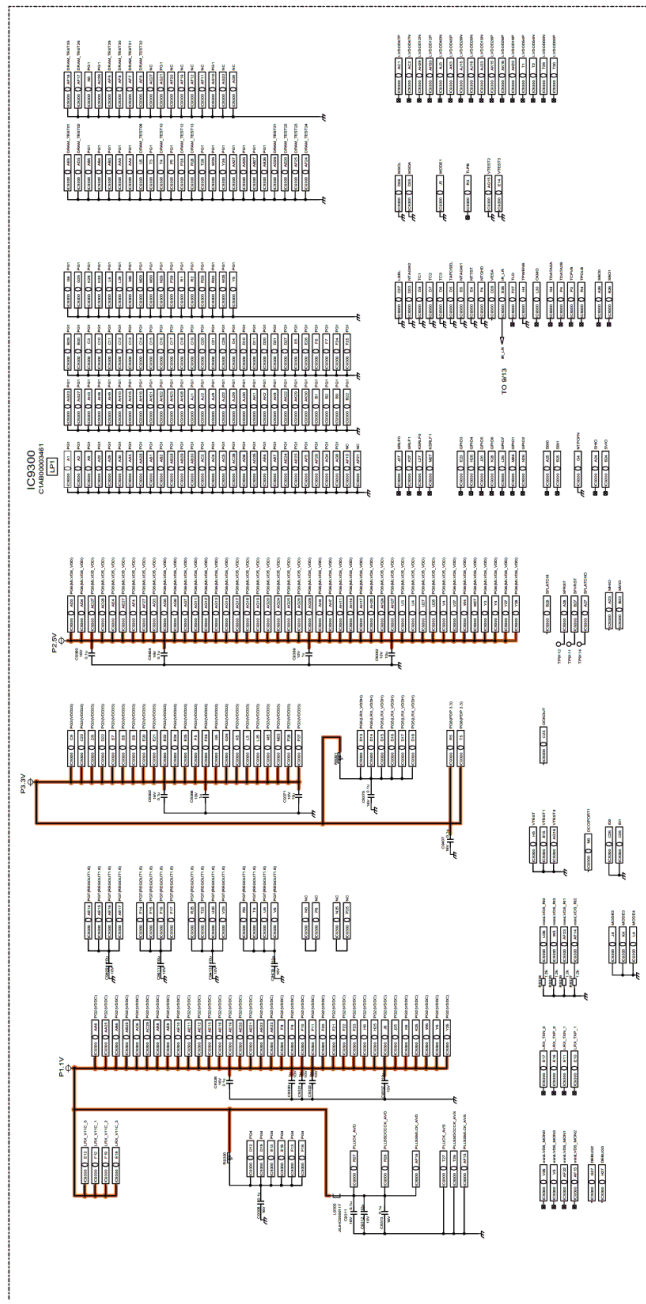
38

37

⚠
A-BOARD (6/13)
TZTNP01MZUA(A)
TZTNP01MXUZ(Z)



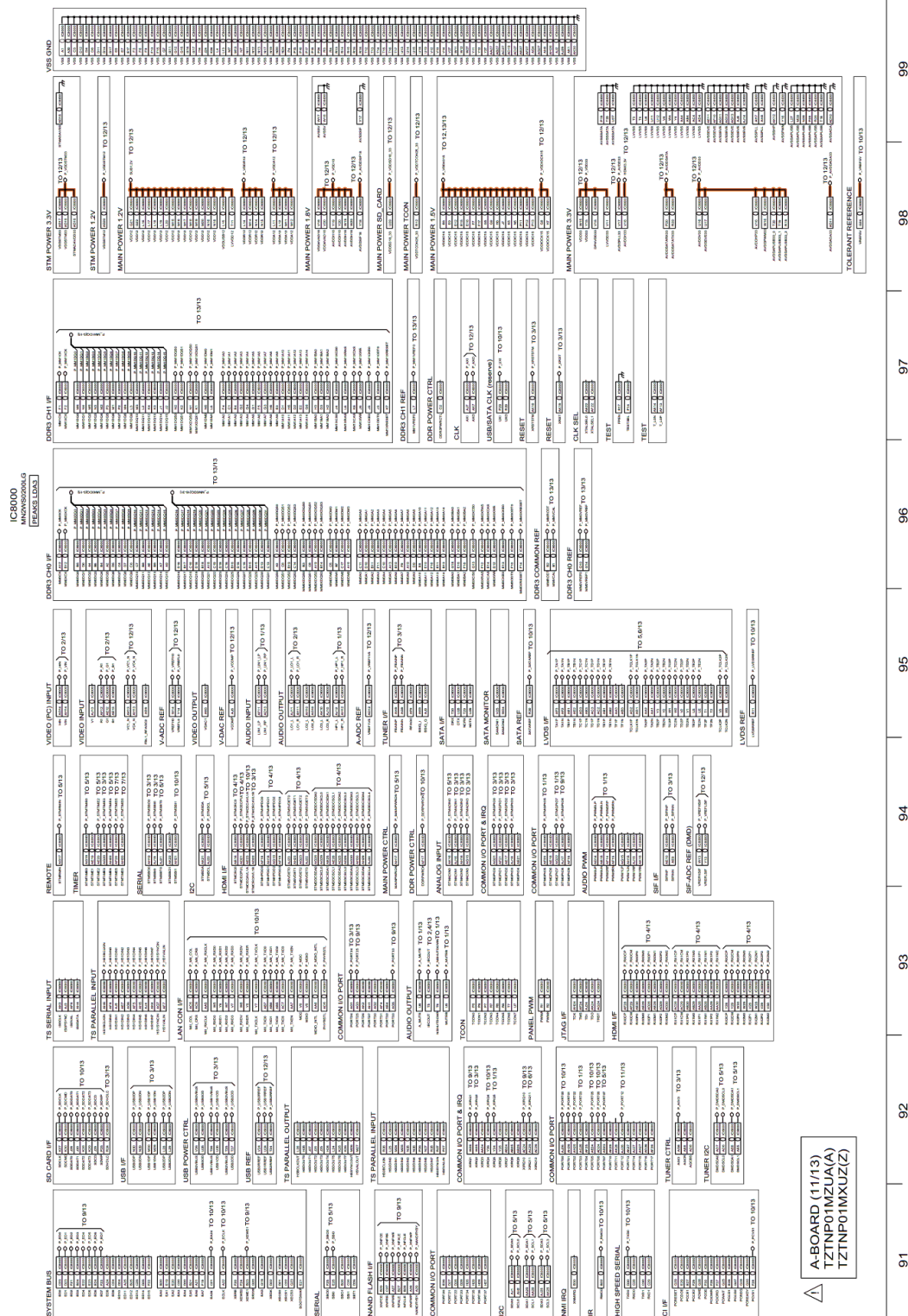


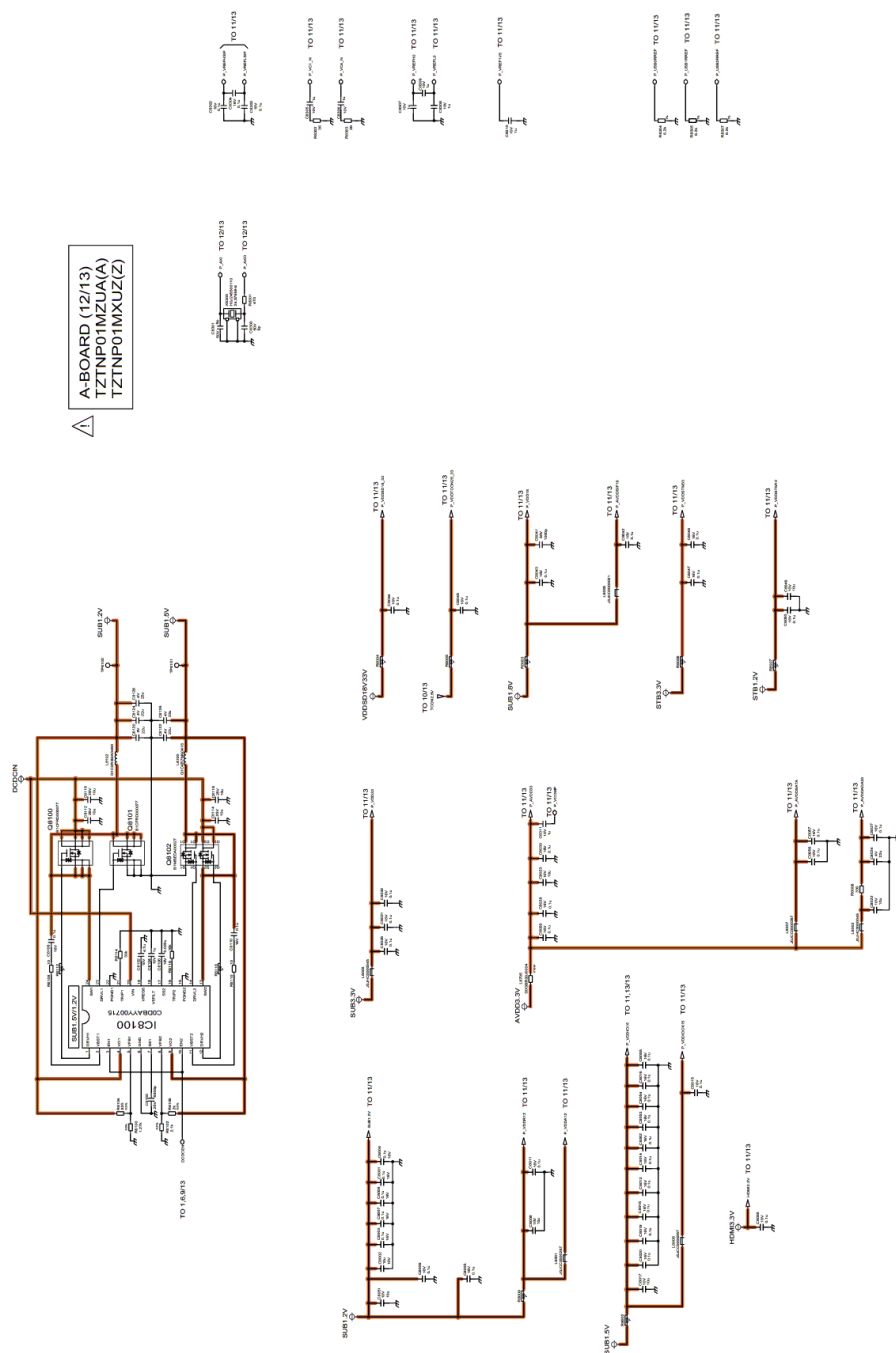


64 65 66 67 68 69 70 71 72









108

107

106

105

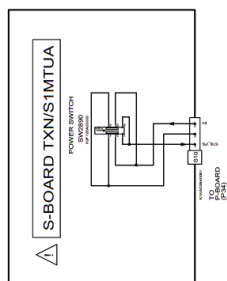
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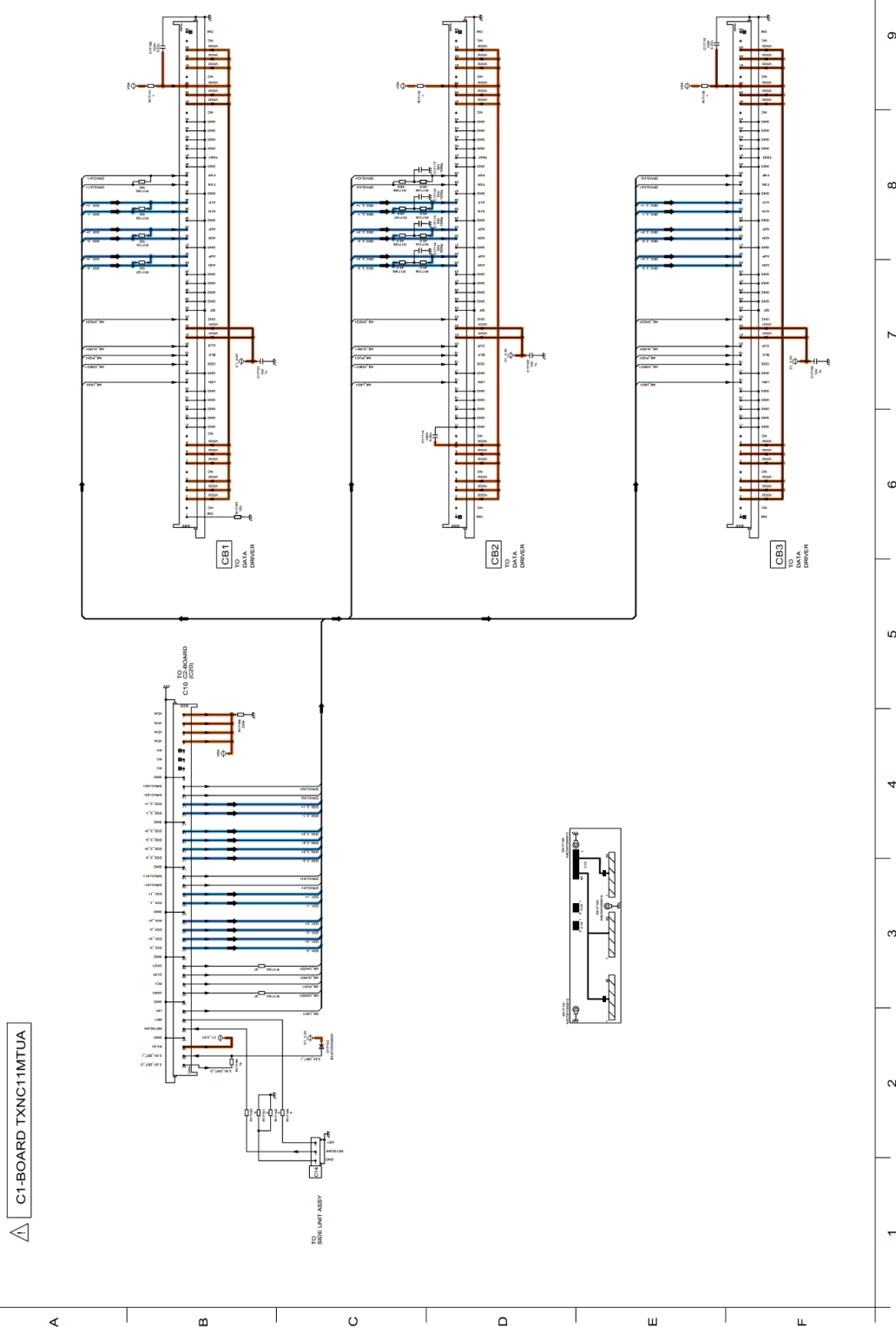
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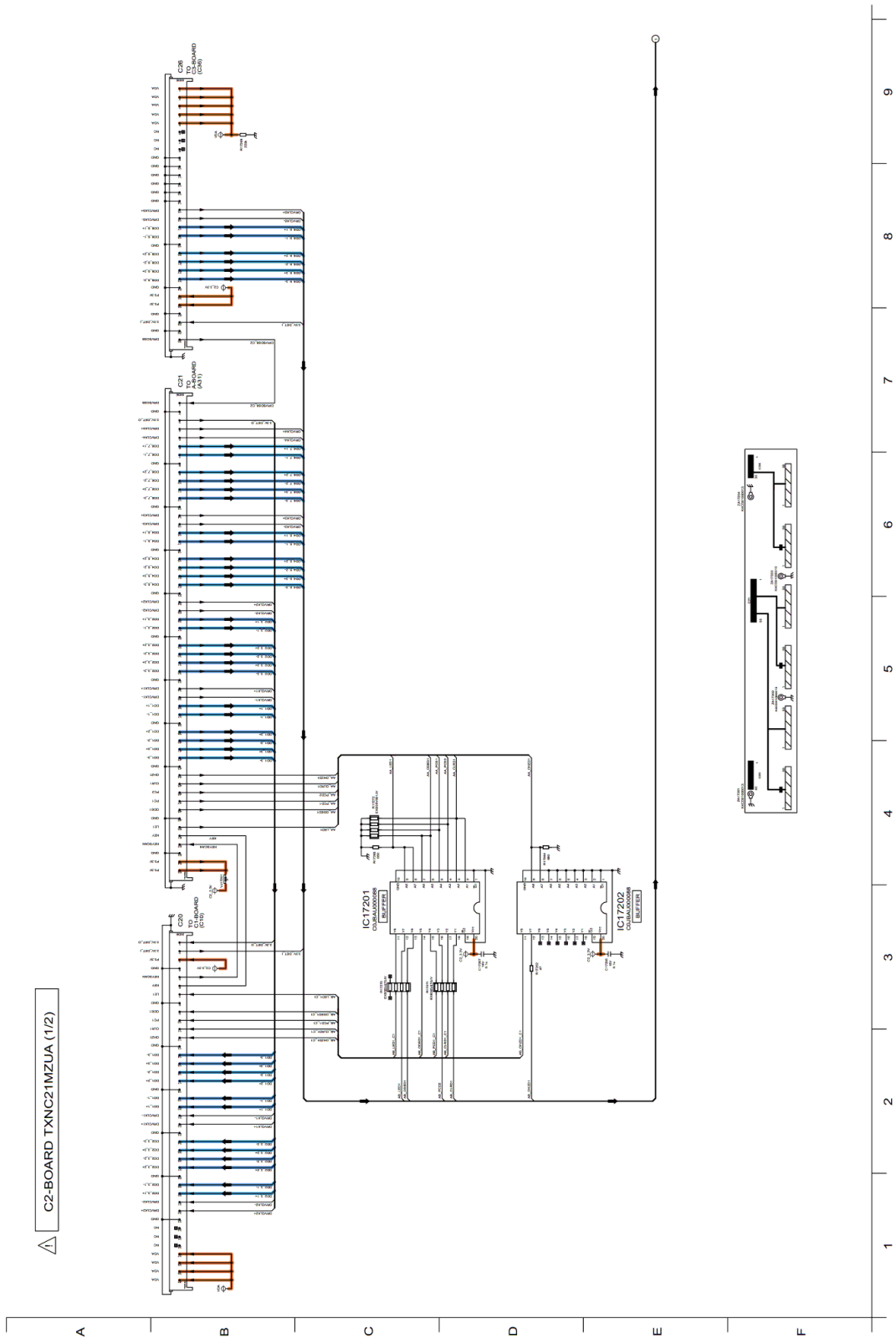
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101

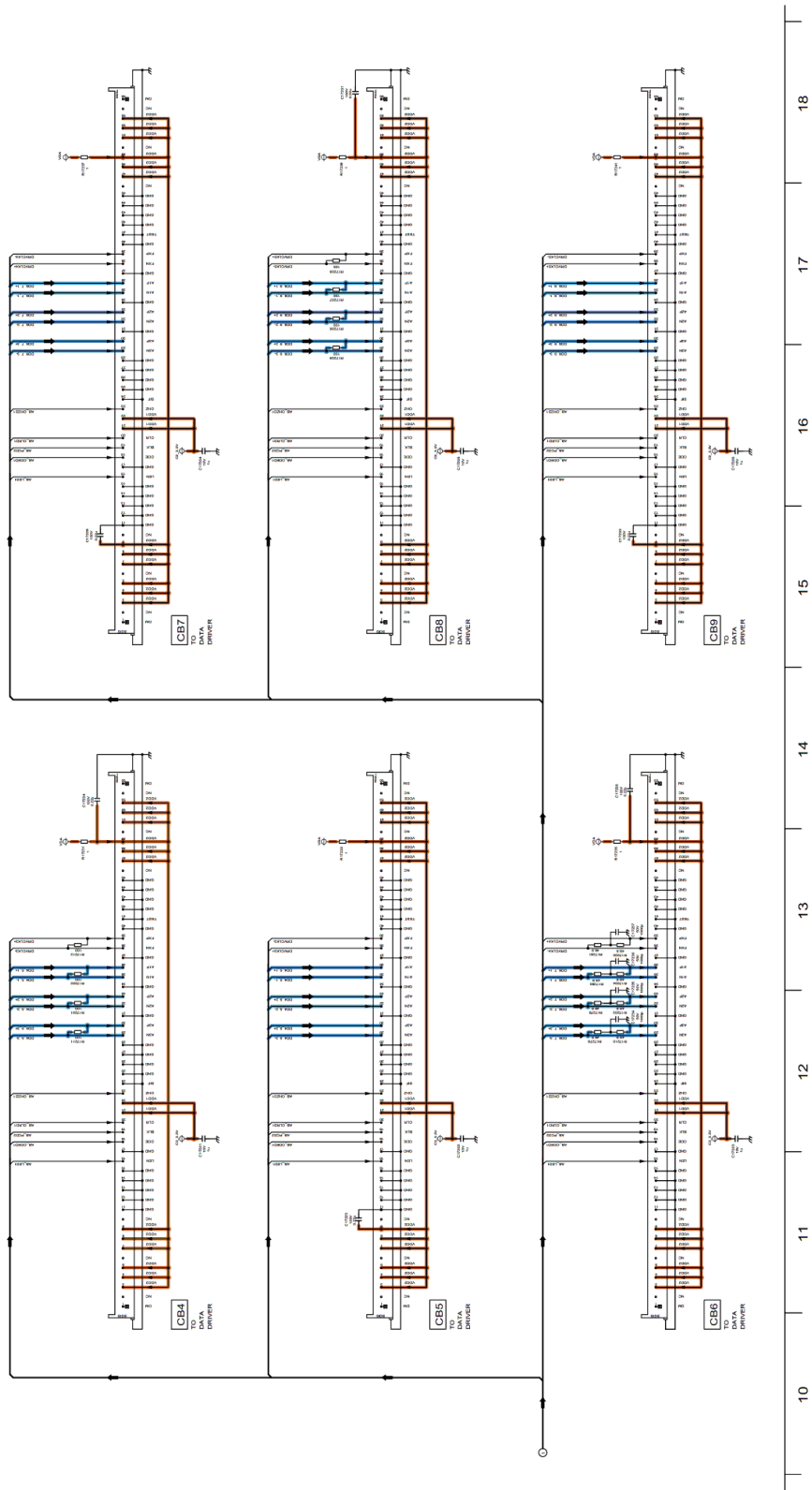
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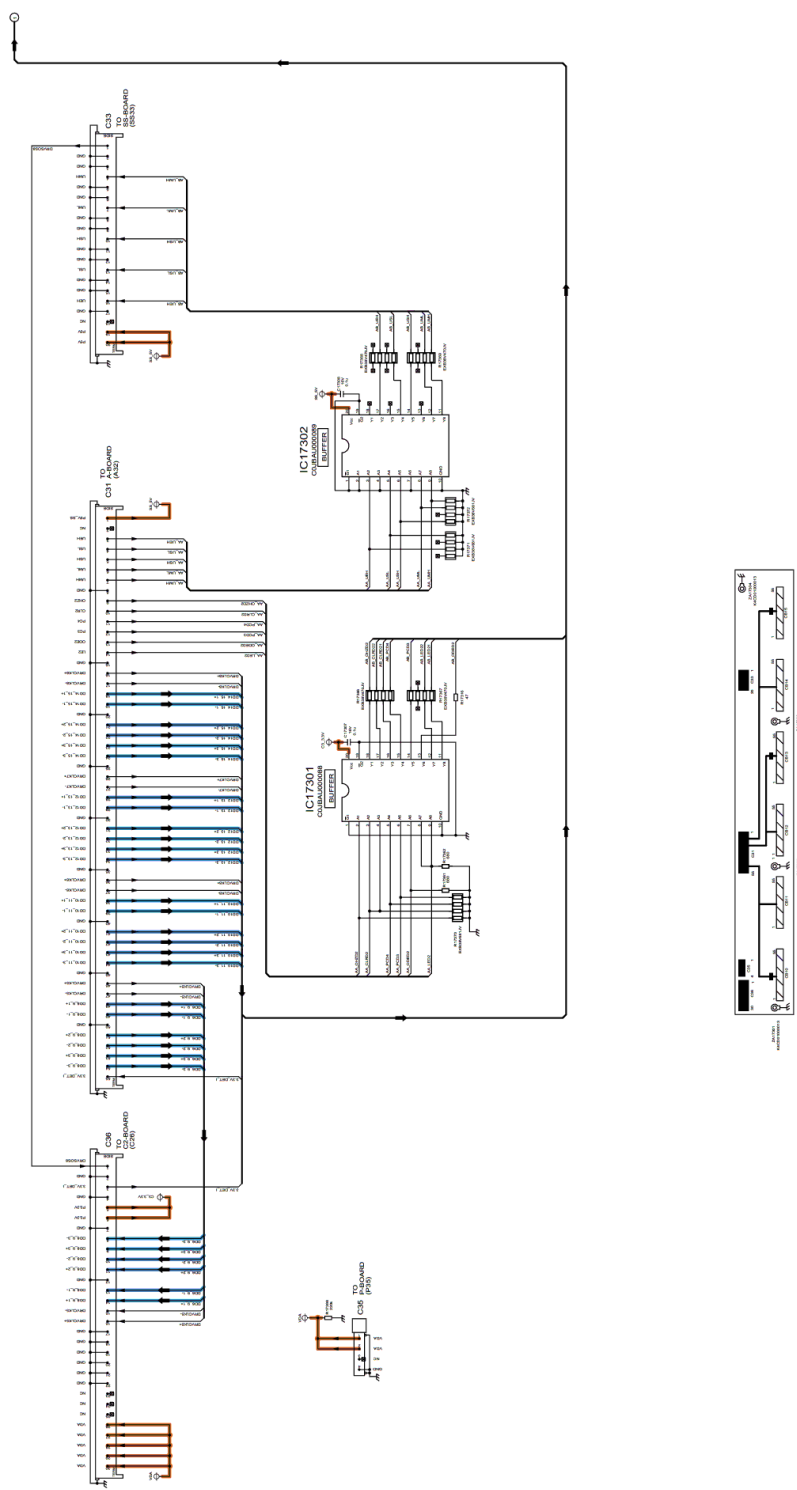




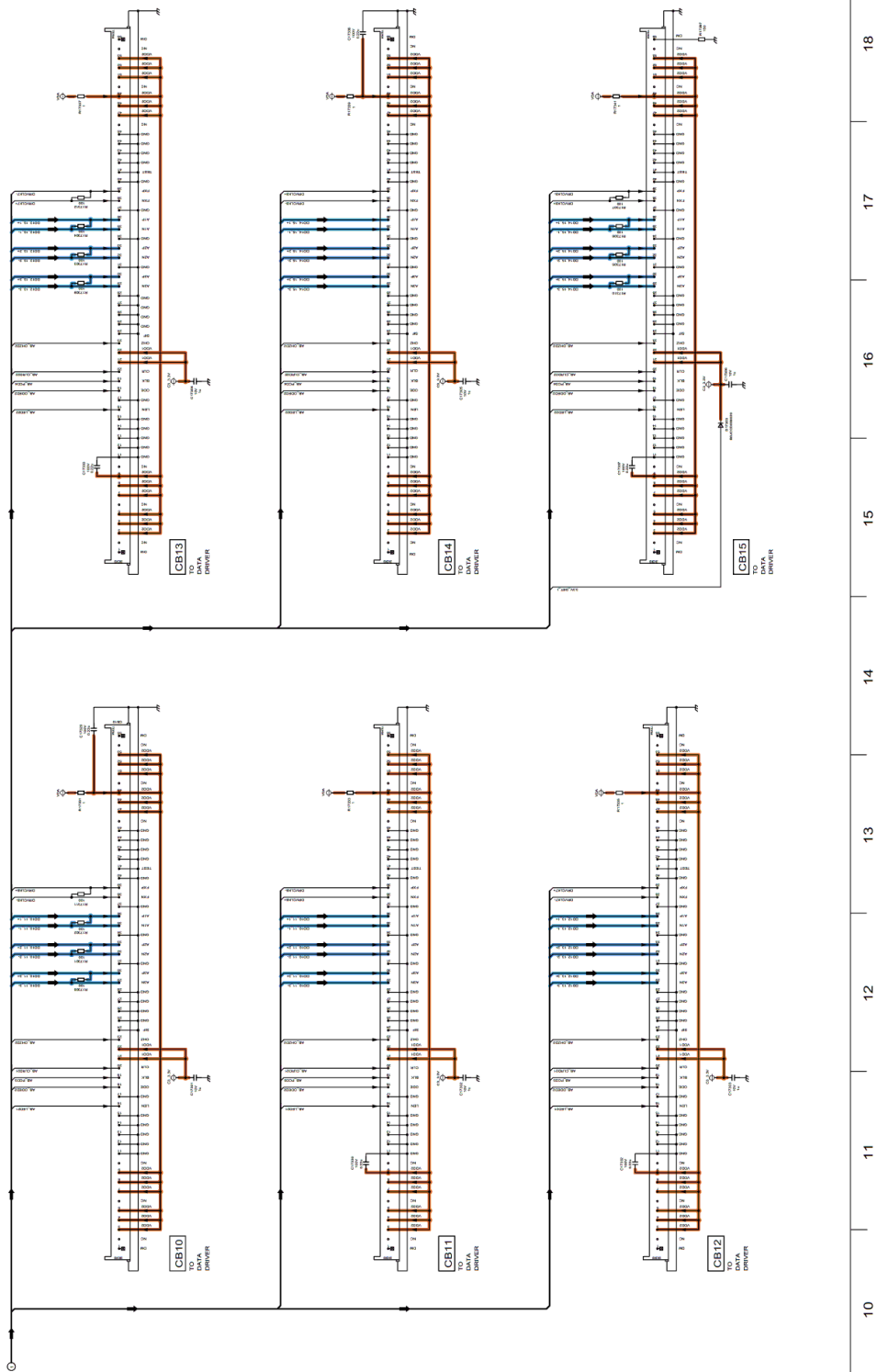


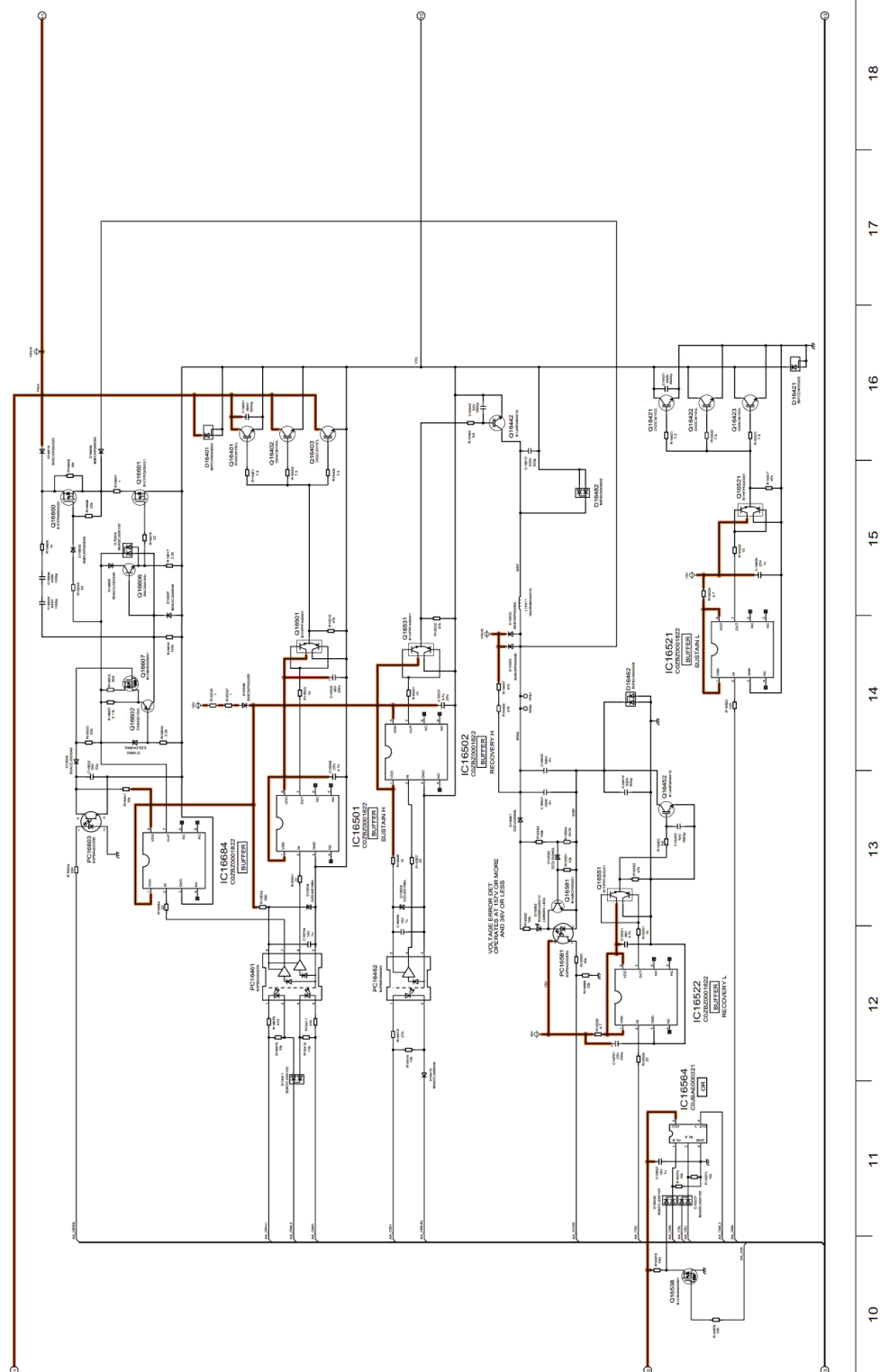
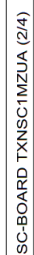
C2-BOARD TXNC21MZUA (2/2)

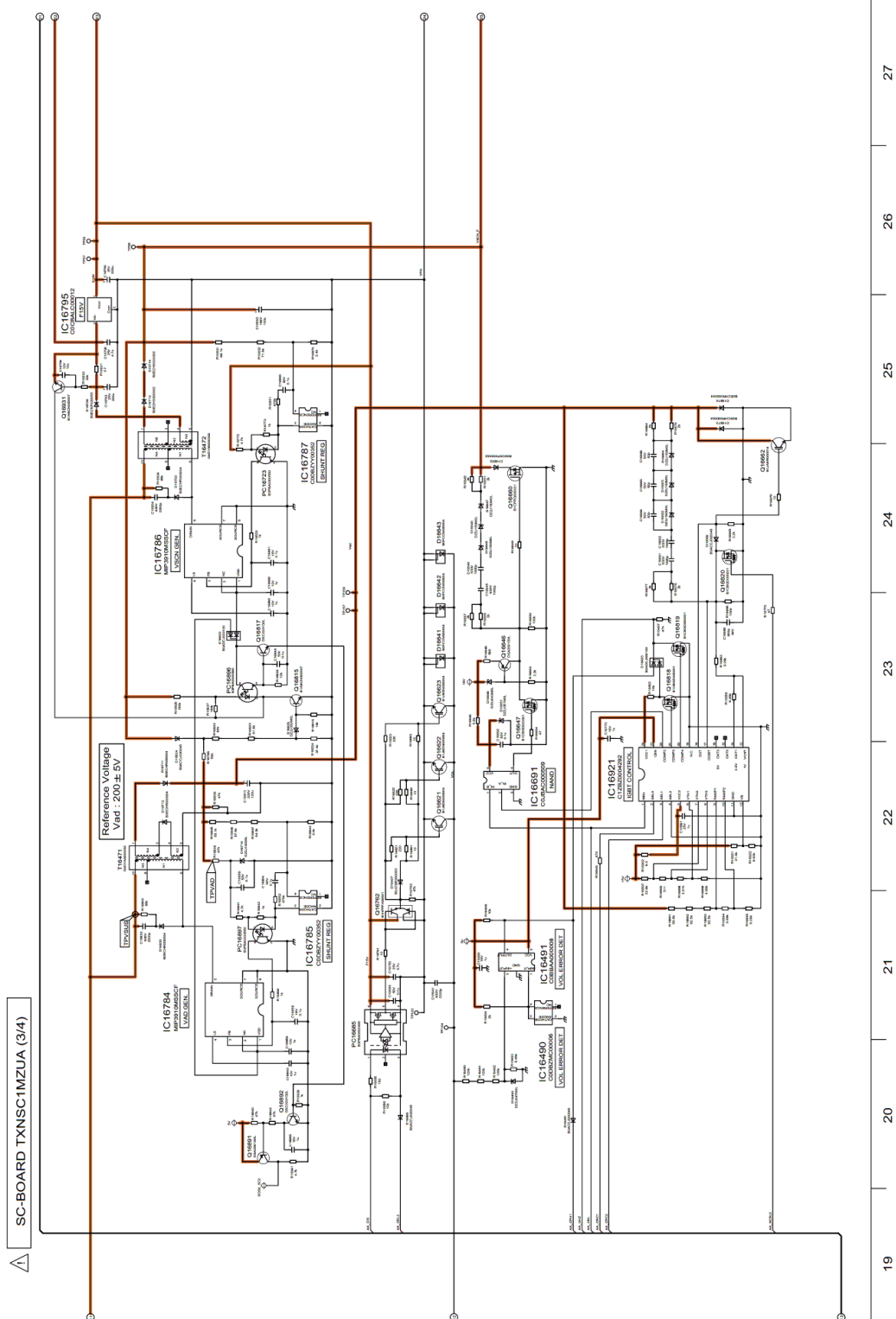


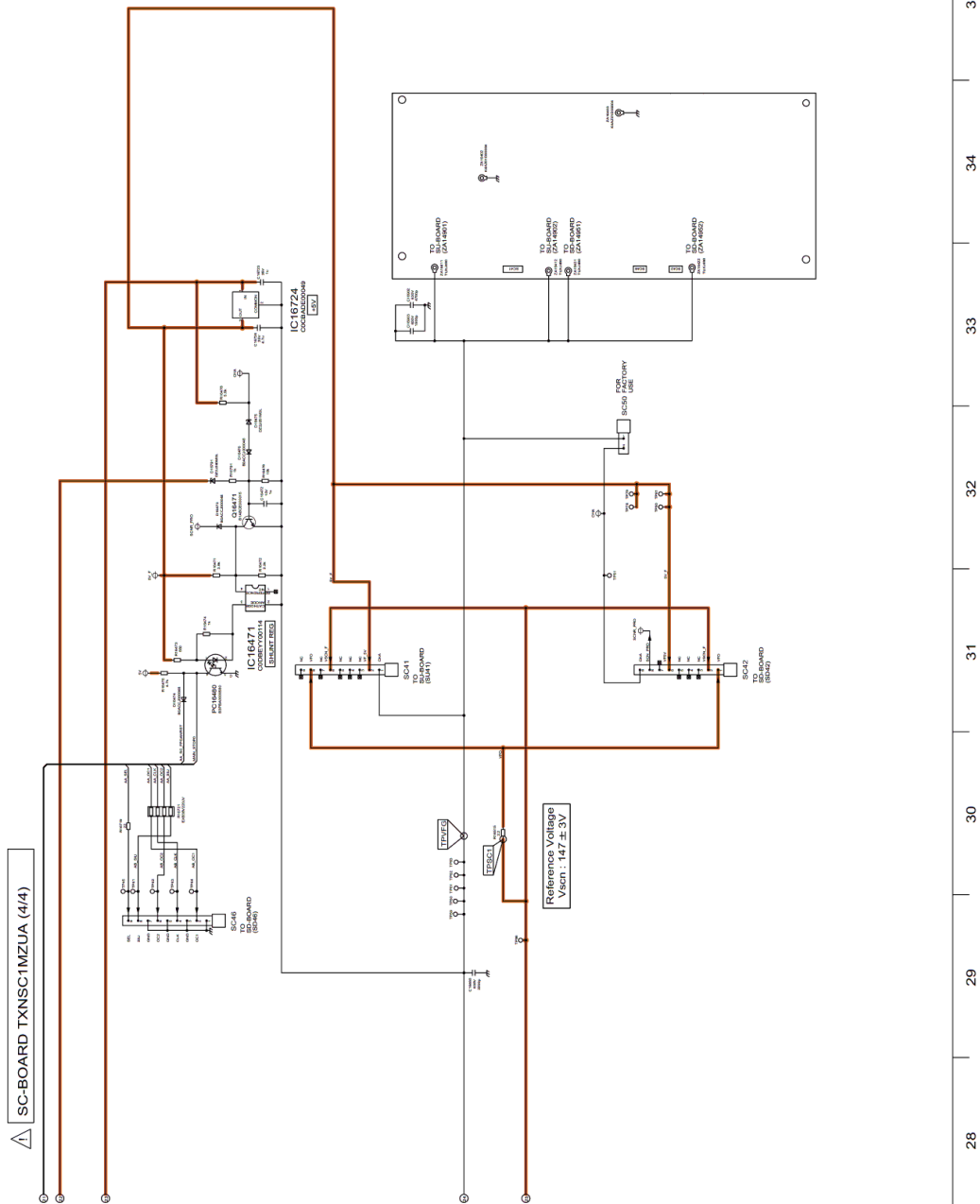


C3-BOARD TXNC31MZUA (2/2)

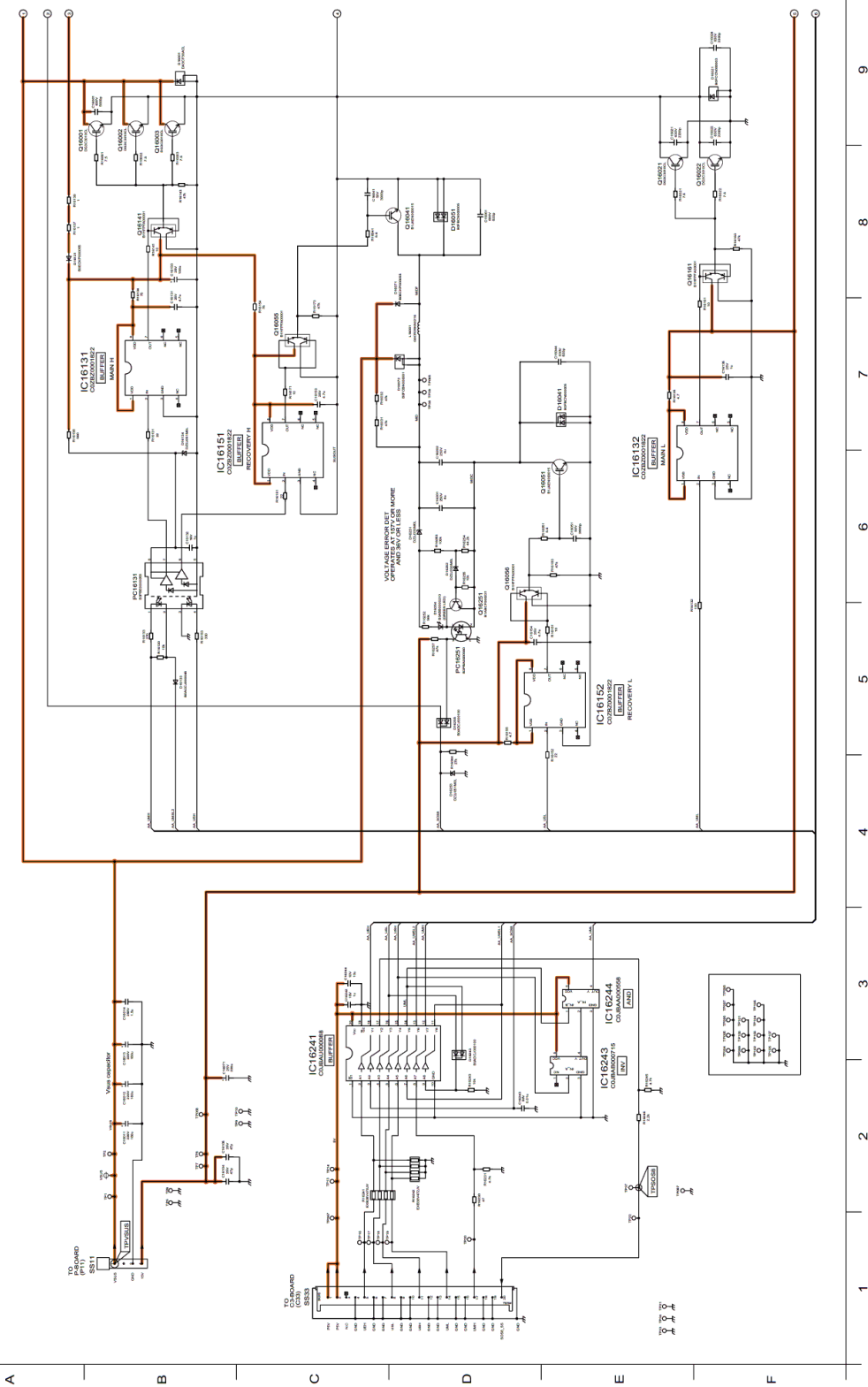
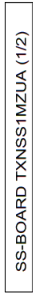




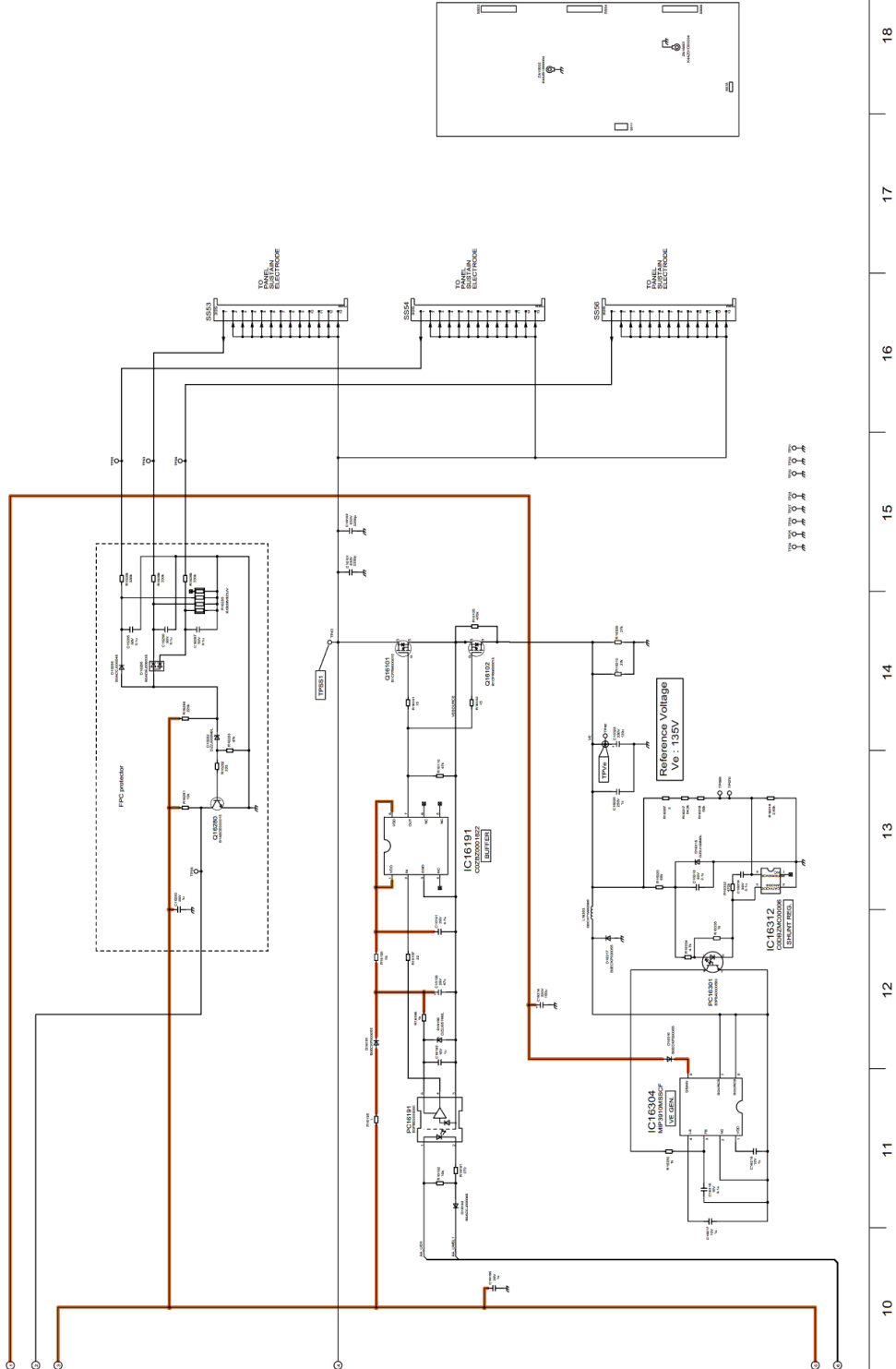


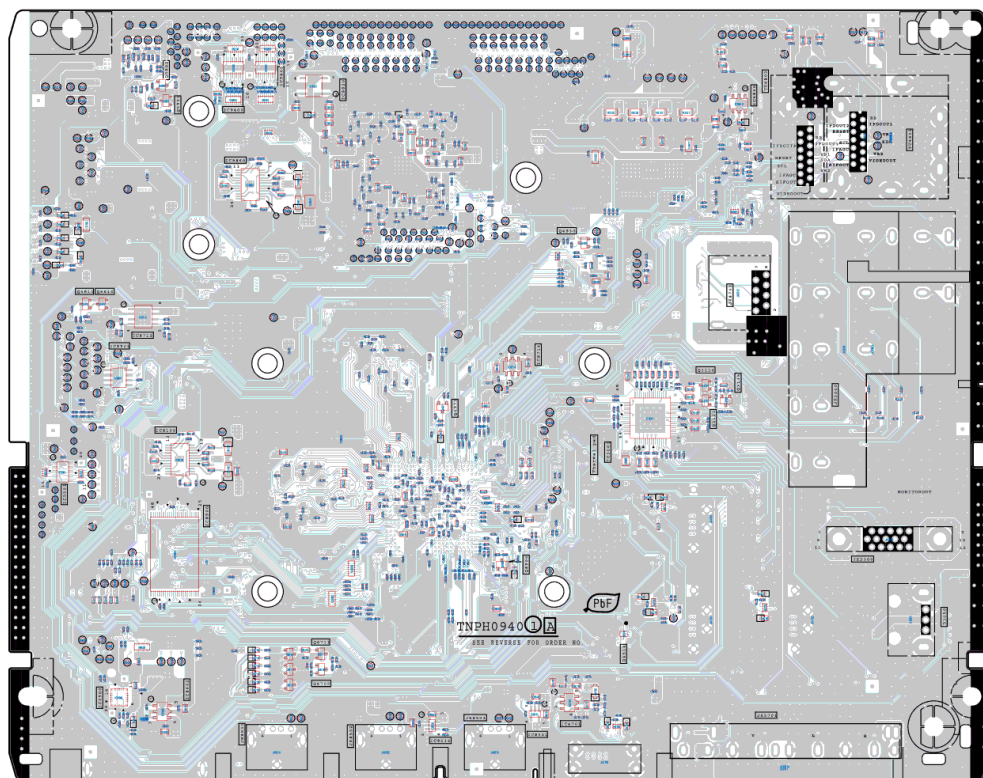


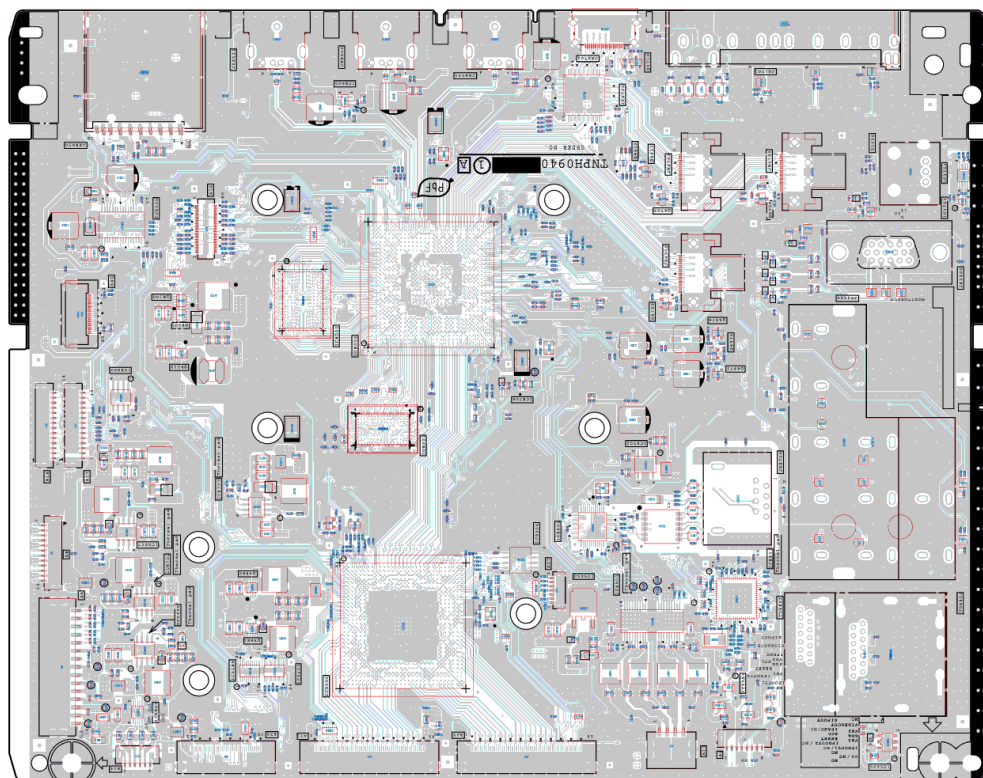
Model No. : TH-P55ST30A/Z SS-Board (1/2)

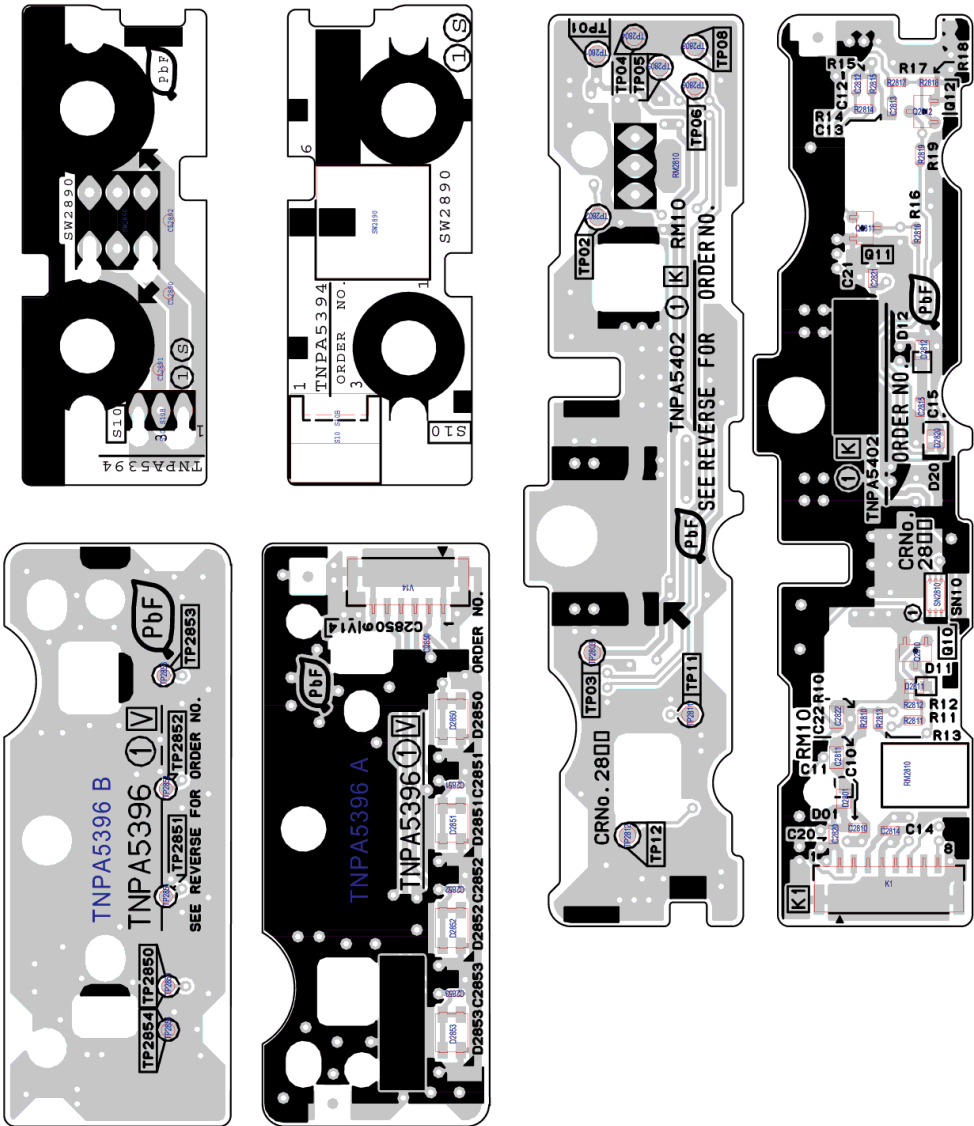


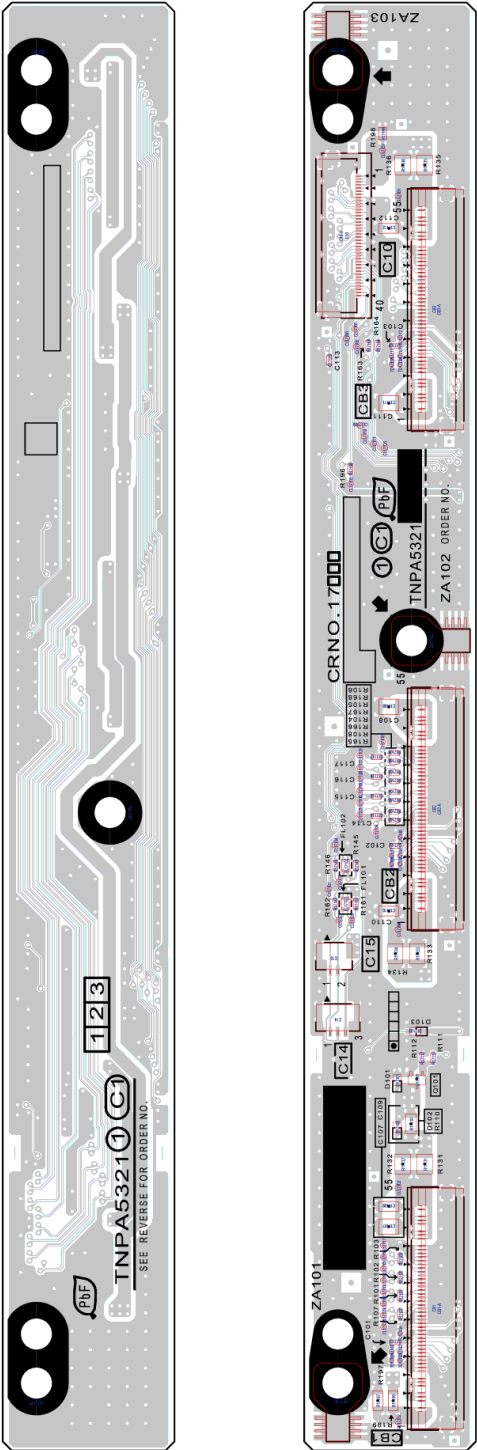
SS-BOARD TXNSS1MZUA (2/2)

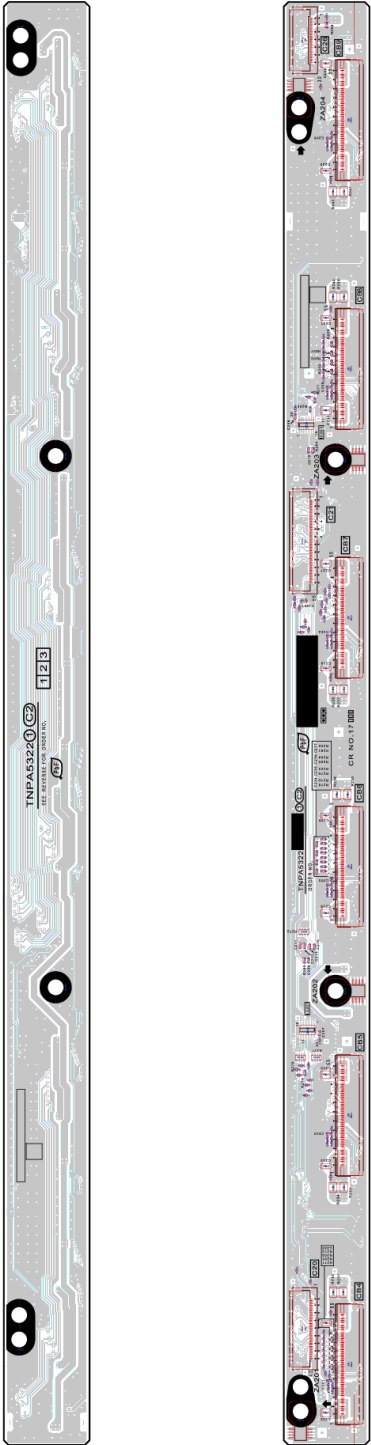


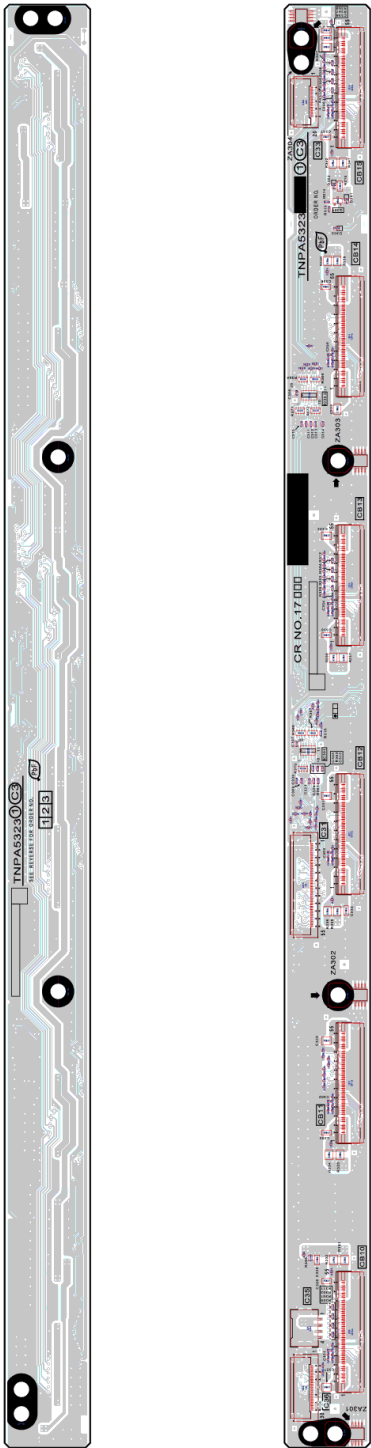


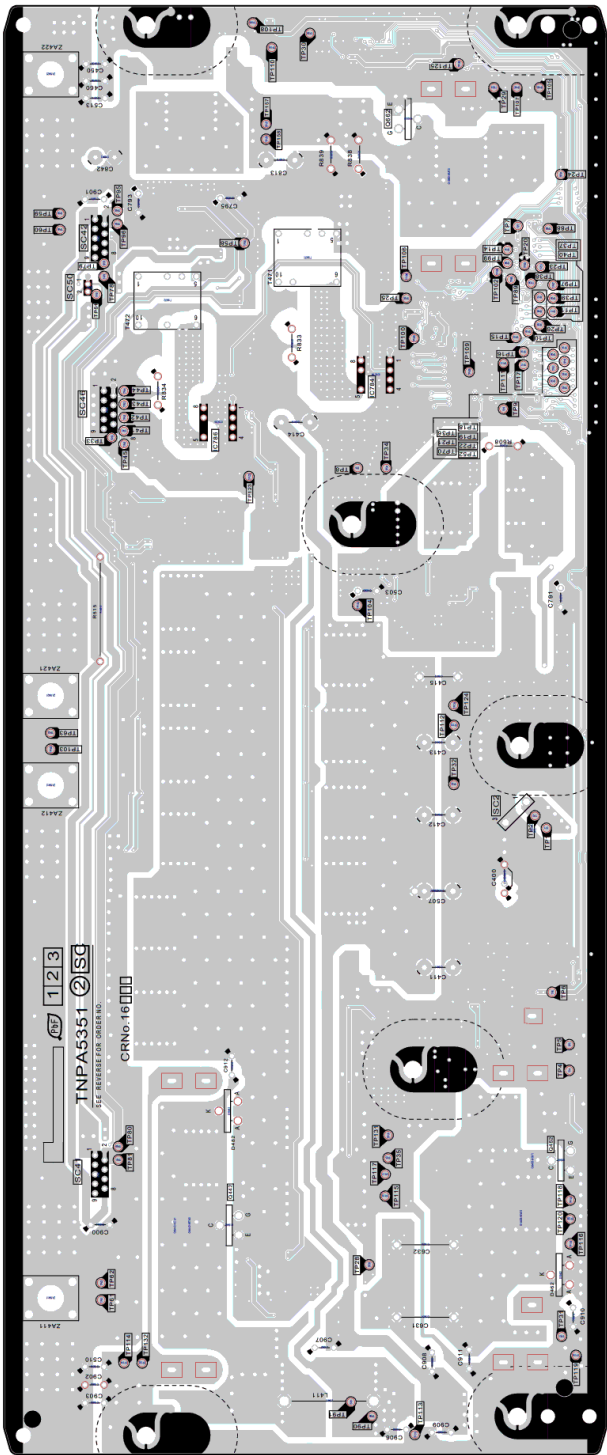


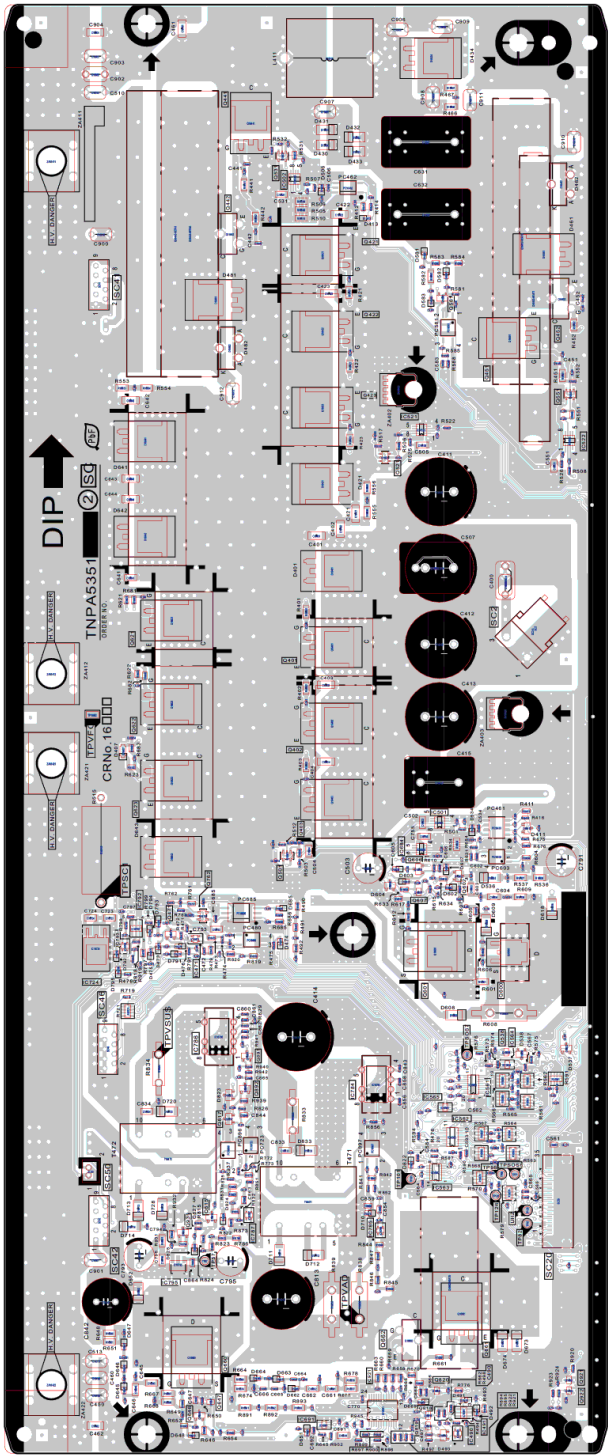


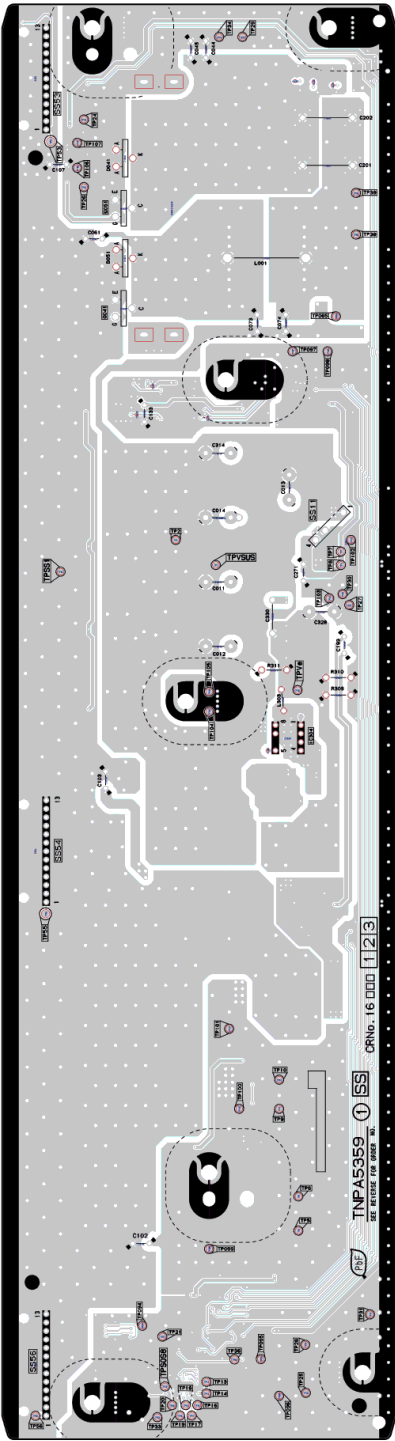


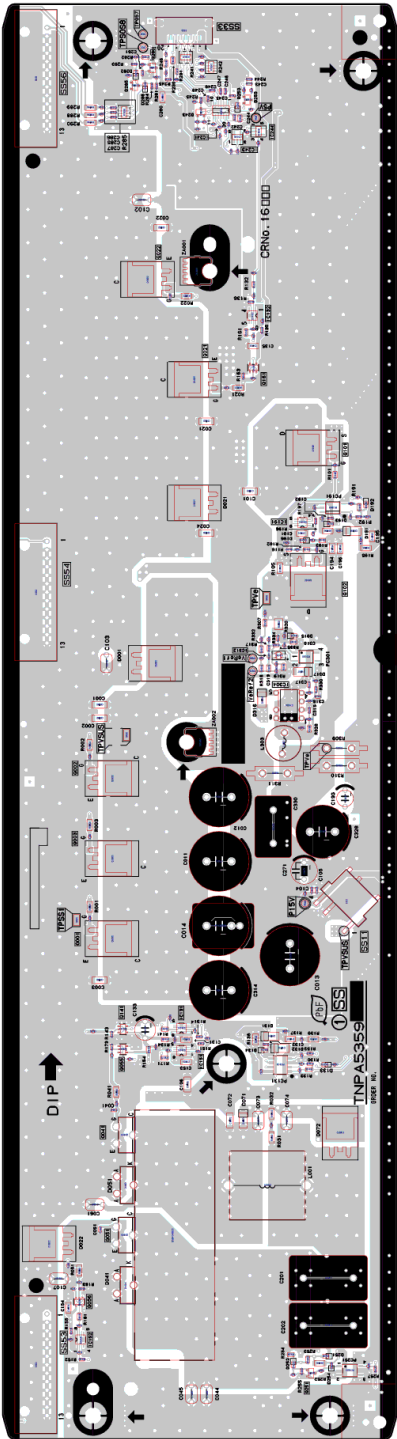












Model No. : TH-P55ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	PCB	TZTNP01MXUZ	CIRCUIT BOARD A	1	(Z) (RTL)
	PCB	TZTNP01MZUA	CIRCUIT BOARD A	1	(A) (RTL)
	PCB	TXNC11MTUA	CIRCUIT BOARD C1	1	(RTL)
	PCB	TXNC21MZUA	CIRCUIT BOARD C2	1	(RTL)
	PCB	TXNC31MZUA	CIRCUIT BOARD C3	1	(RTL)
	PCB	TXN/P1MZUA	CIRCUIT BOARD P	1	
	PCB	TXNSC1MZUA	CIRCUIT BOARD SC	1	(RTL)
	PCB	TXNSD1MTUA	CIRCUIT BOARD SD	1	
	PCB	TXNSS1MZUA	CIRCUIT BOARD SS	1	(RTL)
	PCB	TXNSU1MZUA	CIRCUIT BOARD SU	1	
	PCB	TXN/K1MTUA	CIRCUIT BOARD K	1	(RTL)
	PCB	TXN/S1MTUA	CIRCUIT BOARD S	1	(RTL)
	PCB	TXN/V1MTUA	CIRCUIT BOARD V	1	(RTL)
	A1	K1KY08AA0719	8P CONNECTOR	1	
	A6	K1KY15B00006	15P CONNECTOR	1	
	A11	K1KY04B00013	4P CONNECTOR	1	
	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	
	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	
	C33	K1MY20BA0345	20P CONNECTOR	1	
	C35	K1KY04B00013	4P CONNECTOR	1	
	C36	K1MY30BA0345	30P CONNECTOR	1	
	C0068	FLG1A105A047	C 1UF 10V	1	
	C1001	FLH1H104A903	C 0.1UF, 50V	1	
	C1002	FLH1H104A903	C 0.1UF, 50V	1	
	C1003	FLH1H104A903	C 0.1UF, 50V	1	
	C1052	FLG1E1030005	C 0.01UF 25V	1	
	C1053	FLG1C104A077	C 0.1UF 16V	1	
	C1105	FLG1E1030005	C 0.01UF 25V	1	
	C1109	FLG1C104A077	C 0.1UF 16V	1	
	C1110	FLG1C104A077	C 0.1UF 16V	1	
	C2810	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C2811	FLJ1A106A087	C 10UF, 10V	1	
	C2815	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C2821	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C2850	FLG1A473A032	C0.047UF, 10V	1	
	C2851	FLG1A473A032	C0.047UF, 10V	1	
	C2852	FLG1A473A032	C0.047UF, 10V	1	
	C2853	FLG1A473A032	C0.047UF, 10V	1	
	C3005	FLJ1A106A043	C 10UF, 10V	1	
	C3006	FLJ1A106A043	C 10UF, 10V	1	
	C3007	FLJ1A106A043	C 10UF, 10V	1	
	C3011	FLG1C104A077	C 0.1UF 16V	1	
	C3023	FLJ1A106A043	C 10UF, 10V	1	
	C3026	FLJ1A106A043	C 10UF, 10V	1	
	C3028	FLJ1A106A043	C 10UF, 10V	1	
	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	

Model No. : TH-P55ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	FIG1C104A077	C 0.1UF 16V	1	
	C3065	FIG1H5610004	C 560 pF 50 V	1	
	C3066	FIG1H5610004	C 560 pF 50 V	1	
	C3067	FIG1E333A091	C 0.033UF 25V	1	
	C3068	FIG1E333A091	C 0.033UF 25V	1	
	C3130	FIG1H5610004	C 560 pF 50 V	1	
	C3131	FIG1H5610004	C 560 pF 50 V	1	
	C3134	FIG1H5610004	C 560 pF 50 V	1	
	C3135	FIG1H5610004	C 560 pF 50 V	1	
	C3157	FIG1C104A077	C 0.1UF 16V	1	
	C3201	FIG1H5610004	C 560 pF 50 V	1	
	C3301	FLJ1A106A043	C 10UF, 10V	1	
	C3302	FLJ1A106A043	C 10UF, 10V	1	
	C3303	FLJ1A106A043	C 10UF, 10V	1	
	C3704	FIG1H5610004	C 560 pF 50 V	1	
	C3750	FIG1C104A077	C 0.1UF 16V	1	
	C4546	FIG1A105A047	C 1UF 10V	1	
	C4548	FIG1A105A047	C 1UF 10V	1	
	C4619	ECJ1VB1A105K	C 1UF, 10V	1	
	C4622	ECJ1VB1A105K	C 1UF, 10V	1	
	C4625	ECJ1VB1A105K	C 1UF, 10V	1	
	C4713	FIG1C104A077	C 0.1UF 16V	1	
	C4716	FIG1C104A077	C 0.1UF 16V	1	
	C4717	FLJ1A106A087	C 10UF, 10V	1	
	C4718	FLJ1A475A087	C 4.7UF, 10V	1	
	C4719	FIG1C104A077	C 0.1UF 16V	1	
	C4721	FIG1C104A077	C 0.1UF 16V	1	
	C4722	FIG1C104A077	C 0.1UF 16V	1	
	C4723	FIG1C104A077	C 0.1UF 16V	1	
	C4727	FLJ1A106A087	C 10UF, 10V	1	
	C4801	FIG1C104A077	C 0.1UF 16V	1	
	C4802	FLJ1A106A043	C 10UF, 10V	1	
	C4804	FLJ1A106A043	C 10UF, 10V	1	
	C4805	FIG1H220A565	C 22PF, 50V	1	
	C4806	FIG1C104A077	C 0.1UF 16V	1	
	C4810	FIG1A105A047	C 1UF 10V	1	
	C4811	FIG1A105A047	C 1UF 10V	1	
	C4812	FIG1C104A077	C 0.1UF 16V	1	
	C4813	FLJ1A106A043	C 10UF, 10V	1	
	C4816	FIG1C104A077	C 0.1UF 16V	1	
	C4817	FIG1C104A077	C 0.1UF 16V	1	
	C4820	FIG1H330A565	C 33PF, 50V	1	
	C4821	FIG1H330A565	C 33PF, 50V	1	
	C4822	FIG1H1020008	C 1000PF 50V	1	
	C4823	FLJ1A106A043	C 10UF, 10V	1	
	C4824	FIG1H150A565	C 15PF, 50V	1	
	C4825	FIG1C104A077	C 0.1UF 16V	1	
	C4826	FIG1H1020008	C 1000PF 50V	1	
	C4830	FIG1H101A565	C 100PF 50V	1	
	C4831	FIG1H101A565	C 100PF 50V	1	
	C4832	FIG1H1020008	C 1000PF 50V	1	
	C4850	FIG1A105A047	C 1UF 10V	1	
	C4851	FIG1A105A047	C 1UF 10V	1	
	C4852	FIG1A105A047	C 1UF 10V	1	
	C4853	FIG1A105A047	C 1UF 10V	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	C4919	FlJ1E4740001	C 0.47UF, 25V	1	
	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	
	C4929	FlJ1E4740001	C 0.47UF, 25V	1	
	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	
	C4953	F2H1A101A040	C 100UF, 10V	1	
	C5000	FlG1E1030005	C 0.01UF 25V	1	
	C5002	FlJ1E105A231	C 1 UF 25V	1	
	C5003	FlH1C105A145	C 1 uF 16 V	1	
	C5012	EEHB1C101UP	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	
	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	
	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	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	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	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	EEHBOJ221UP	E 220UF, 6.3V	1	
	C8534	FlJ1A106A043	C 10UF, 10V	1	
	C8535	FlG1C104A077	C 0.1UF 16V	1	
	C8536	EEHBOJ221UP	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	EEHBOJ221UP	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	
	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	FlJOG2260001	C 22 UF 4 V	1	
	C8630	FlJOG2260001	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	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	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	
	C8793	FLJ1A106A043	C 10UF, 10V	1	
	C8795	FLK1E106A136	C 10UF, 25V	1	
	C8796	FLG1H821A459	C 820 pF 50 V	1	
	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	
	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	
	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	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C9409	FlJ1A106A087	C 10UF, 10V	1	
	C9411	FlJ1A106A087	C 10UF, 10V	1	
	C9413	FlJ1A106A087	C 10UF, 10V	1	
	C9415	FlJ1A106A087	C 10UF, 10V	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	
	C9874	FlG1C104A077	C 0.1UF 16V	1	
	C9875	FlG1C104A077	C 0.1UF 16V	1	
	C9876	FlK1E106A136	C 10UF, 25V	1	
	C16001	FlL2J562A022	C 5600PF, 630V	1	
	C16011	F2A2T181A018	E 180UF, 220V	1	
	C16012	F2A2T181A018	E 180UF, 220V	1	
	C16013	F2A2T181A018	E 180UF, 220V	1	
	C16014	F0C2E155A252	C 1.5UF, 250V	1	
	C16021	FlL2J1020001	C 1000PF, 630V	1	
	C16022	FlL2J562A022	C 5600PF, 630V	1	
	C16024	FlL2J332A022	C 3300PF, 630V	1	
	C16041	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16044	FlE2J821A002	C 820PF, 630V	1	
	C16051	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16061	FlE2J821A002	C 820PF, 630V	1	
	C16074	FlE2J821A00	C 820PF, 630V	1	
	C16101	FlL2J222A022	C 2200PF, 630V	1	
	C16102	FlE2J222A002	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	F2A1E101A089	E 100UF 25V	1	
	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	EEUFC1E470	E 47UF, 25V	1	
	C16195	FlK1E105A029	C 1UF, 25V	1	
	C16201	F0C2E405A278	C 4UF, 250V	1	
	C16202	F0C2E405A278	C 4UF, 250V	1	
	C16242	FlH1C105A145	C 1 uF 16 V	1	
	C16243	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C16244	FlJ1A106A087	C 10UF, 10V	1	
	C16271	EEUFC1E221	E 220UF, 25V	1	
	C16280	FlK1E105A029	C 1UF, 25V	1	
	C16285	FlH1H104A970	C 0.1UF, , 50V	1	
	C16286	FlH1H104A970	C 0.1UF, , 50V	1	
	C16287	FlH1H104A970	C 0.1UF, , 50V	1	
	C16314	F2A2T181A018	E 180UF, 220V	1	
	C16315	ECJ1VB1A105K	C 1UF, 10V	1	
	C16316	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C16317	ECJ1VB1A105K	C 1UF, 10V	1	
	C16318	FLJ1H104A717	C 0.1UF, 50V	1	
	C16319	FLJ1H104A717	C 0.1UF, 50V	1	
	C16328	F2A2T121A019	E 120UF, 220V	1	
	C16330	F0C2E105A252	C 1 UF 250 V	1	
	C16401	FL2J562A022	C 5600PF, 630V	1	
	C16411	F2A2T181A018	E 180UF, 220V	1	
	C16412	F2A2T181A018	E 180UF, 220V	1	
	C16413	F2A2T181A018	E 180UF, 220V	1	
	C16414	F2A2T181A018	E 180UF, 220V	1	
	C16421	FL2J562A022	C 5600PF, 630V	1	
	C16422	FL2J562A022	C 5600PF, 630V	1	
	C16442	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16452	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16460	FL2J222A002	C 2200PF, 630V	1	
	C16472	ECJ1VB1A105K	C 1UF, 10V	1	
	C16490	FLH1C105A145	C 1 uF 16 V	1	
	C16502	FLK1E475A134	C 4.7UF 25V	1	
	C16503	EEUFC1E221	E 220UF, 25V	1	
	C16505	FLK1E105A029	C 1UF, 25V	1	
	C16506	FLH1C105A145	C 1 uF 16 V	1	
	C16507	F0C2E155A252	C 1.5UF, 250V	1	
	C16531	FLK1E475A134	C 4.7UF 25V	1	
	C16534	FLH1C105A145	C 1 uF 16 V	1	
	C16551	FLK1E475A134	C 4.7UF 25V	1	
	C16561	FLJ1A106A087	C 10UF, 10V	1	
	C16562	FLH1C105A145	C 1 uF 16 V	1	
	C16564	FLH1C105A145	C 1 uF 16 V	1	
	C16565	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C16566	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C16567	FLH1C105A145	C 1 uF 16 V	1	
	C16584	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16593	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C16602	FLH1H2200008	C 22PF, 50V	1	
	C16603	FLK2J102A014	C 1000PF, 630V	1	
	C16604	FLK2J102A014	C 1000PF, 630V	1	
	C16631	F0C2E405A278	C 4UF, 250V	1	
	C16632	F0C2E405A278	C 4UF, 250V	1	
	C16641	FLK2J222A014	C 2200PF ,630V	1	
	C16645	FLK2J102A014	C 1000PF, 630V	1	
	C16646	FLK2J102A014	C 1000PF, 630V	1	
	C16661	FLK2J102A038	C 1000PF, 630V	1	
	C16662	FLK2J102A038	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	FLH1H821A831	C 820 PF, 50V	1	
	C16685	FLH1H104A970	C 0.1UF, , 50V	1	
	C16692	FLH1H104A970	C 0.1UF, , 50V	1	
	C16723	FLK1E105A029	C 1UF, 25V	1	
	C16724	FLK1E475A134	C 4.7UF 25V	1	
	C16753	FLK1E475A134	C 4.7UF 25V	1	
	C16770	FLH1C105A145	C 1 uF 16 V	1	
	C16791	EEUFC1E221	E 220UF, 25V	1	
	C16793	EEUFC1E221	E 220UF, 25V	1	
	C16794	FLJ1A106A087	C 10UF, 10V	1	
	C16795	EEUFC1E221	E 220UF, 25V	1	
	C16796	FLK1E475A134	C 4.7UF 25V	1	
	C16813	F2A2T121A019	E 120UF, 220V	1	
	C16833	FLK2J222A014	C 2200PF ,630V	1	
	C16834	FLK2J222A014	C 2200PF ,630V	1	
	C16842	F2A2C101A169	E 100UF, 160V	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	FLH1C105A145	C 1 uF 16 V	1	
	C16891	FLK1E105A029	C 1UF, 25V	1	
	C16902	FL2J472A001	C 4700PF, 630V	1	
	C16903	FL2J152A002	C 1500PF, 630V	1	
	C16910	FL2J821A002	C 820PF, 630V	1	
	C16912	FL2J821A002	C 820PF, 630V	1	
	C17101	ECJ1VB1A105K	C 1UF, 10V	1	
	C17102	ECJ1VB1A105K	C 1UF, 10V	1	
	C17103	ECJ1VB1A105K	C 1UF, 10V	1	
	C17109	FLK2A224A033	C 0.22UF, 100V	1	
	C17110	FLK2A224A033	C 0.22UF, 100V	1	
	C17112	FLK2A224A033	C 0.22UF, 100V	1	
	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	FLK2A224A033	C 0.22UF, 100V	1	
	C17224	FLK2A224A033	C 0.22UF, 100V	1	
	C17228	FLK2A224A033	C 0.22UF, 100V	1	
	C17229	FLK2A224A033	C 0.22UF, 100V	1	
	C17231	FLK2A224A033	C 0.22UF, 100V	1	
	C17233	FLK2A224A033	C 0.22UF, 100V	1	
	C17234	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C17235	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C17236	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C17237	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	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	
	C17308	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C17328	FLK2A224A033	C 0.22UF, 100V	1	
	C17330	FLK2A224A033	C 0.22UF, 100V	1	
	C17332	FLK2A224A033	C 0.22UF, 100V	1	
	C17333	FLK2A224A033	C 0.22UF, 100V	1	
	C17336	FLK2A224A033	C 0.22UF, 100V	1	
	C17337	FLK2A224A033	C 0.22UF, 100V	1	
	CB1	K1MY55B00002	55P CONNECTOR	1	
	CB2	K1MY55B00002	55P CONNECTOR	1	
	CB3	K1MY55B00002	55P CONNECTOR	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	D2820	B3AGB0000065	LED	1	
	D2850	B3EB00000056	LED	1	
	D2851	B3EB00000056	LED	1	
	D2852	B3EB00000056	LED	1	
	D2853	B3EB00000056	LED	1	
	D3050	K7AAAY000006	PHOTO LINK	1	
	D4703	DZ2J056M0L	ZENER DIODE	1	
	D4704	B0JCCD000020	DIODE	1	
	D4720	DZ2J056M0L	ZENER DIODE	1	
	D4721	B0JCCD000020	DIODE	1	
	D4771	DZ2J056M0L	ZENER DIODE	1	
	D4772	B0JCCD000020	DIODE	1	
	D4773	B0JCCE000008	DIODE	1	
	D4774	DZ2J056M0L	ZENER DIODE	1	
	D4775	B0JCCD000020	DIODE	1	
	D4785	B0ECKM000048	DIODE	1	
	D5904	B0JCMD000066	ZENER DIODE	1	
	D8711	B0ADCJ000100	DIODE	1	
	D8712	DZ2J068M0L	ZENER DIODE	1	
	D8713	DZ2J068M0L	ZENER DIODE	1	
	D8716	B0ACCF000048	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	
	D16021	B0FCCN000003	DIODE	1	
	D16041	B0FBCN000005	DIODE	1	
	D16051	B0FBCN000005	DIODE	1	
	D16071	B0ECKP000055	DIODE	1	
	D16072	DA3CF30ACL	ZENER DIODE	1	
	D16131	B0ECKP000055	DIODE	1	
	D16133	B0ACCF000048	DIODE	1	
	D16134	DZ2J051M0L	ZENER DIODE	1	
	D16191	B0ECKP000055	DIODE	1	
	D16192	B0ACCF000048	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	B0ACCF000048	DIODE	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	D16315	DZ2J150M0L	ZENER DIODE	1	
	D16316	B0ECKP000055	DIODE	1	
	D16317	B0ECKP000055	DIODE	1	
	D16401	B0FCCN000003	DIODE	1	
	D16407	B0JCME000093	DIODE	1	
	D16411	B0ADCJ000100	DIODE	1	
	D16413	B0ACCJ000048	DIODE	1	
	D16421	B0FCCN000003	DIODE	1	
	D16434	DA3CF30ACL	ZENER DIODE	1	
	D16462	B0FBCN000005	DIODE	1	
	D16473	B0ACCJ000048	DIODE	1	
	D16474	B0ACCJ000048	DIODE	1	
	D16475	DZ2J051M0L	ZENER DIODE	1	
	D16476	B0ACCJ000048	DIODE	1	
	D16482	B0FBCN000005	DIODE	1	
	D16491	B0ACCJ000048	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	B0ACCJ000048	DIODE	1	
	D16604	B0ADCJ000100	DIODE	1	
	D16605	B0ACCJ000048	DIODE	1	
	D16607	B0ACCJ000048	DIODE	1	
	D16608	B0ECKP000055	DIODE	1	
	D16609	B0ECKP000055	DIODE	1	
	D16618	B0ECKP000055	DIODE	1	
	D16641	B0FCCN000004	DIODE	1	
	D16642	B0FCCN000004	DIODE	1	
	D16643	B0FCCN000004	DIODE	1	
	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	B0ACCJ000048	DIODE	1	
	D16673	B0ECHR000004	DIODE	1	
	D16674	B0ECHR000004	DIODE	1	
	D16685	B0ACCJ000048	DIODE	1	
	D16710	DZ2J15000L	ZENER DIODE	1	
	D16711	B0ECHR000004	DIODE	1	
	D16712	B0ECHR000004	DIODE	1	
	D16713	B0ECHS000002	DIODE	1	
	D16714	B0ECHS000002	DIODE	1	
	D16720	B0ECHR000004	DIODE	1	
	D16728	B0ECKP000055	DIODE	1	
	D16791	DZ2J240M0L	ZENER DIODE	1	
	D16822	B0ACCJ000048	DIODE	1	
	D16823	B0ADCJ000100	DIODE	1	
	D16824	B0ACCJ000048	DIODE	1	
	D16825	DZ2J330M0L	ZENER DIODE	1	

Model No. : TH-P55ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	D16833	B0ECHR000004	DIODE	1	
	D17103	B0JCCD000020	DIODE	1	
	D17303	B0JCCD000020	DIODE	1	
	IC3001	C1AB00003385	IC	1	
	IC3753	C1ZBZ0004368	IC	1	
	IC4700	C1AB00003469	IC	1	
	IC4701	C0DBGYY00578	IC	1	
	IC4900	C1AB00003457	IC	1	
	IC5000	AN34044A-VF	IC	1	
	IC5251	C0CBCBC00227	IC	1	
	IC5900	C0DBAYY00931	IC	1	
	IC5901	C1ZBZ0004339	IC	1	
	IC8000	MN2WS0200LE	IC	1	
	IC8100	C0DBAYY00715	IC	1	
	IC8200	C3ABUY000009	IC	1	
	IC8201	C3ABTY000025	IC	1	
	IC8531	C0DBZYY00368	IC	1	
	IC8532	C0DBZYY00368	IC	1	
	IC8601	C1CB00003491	IC	1	
	IC8602	C0DBAGF00030	IC	1	
	IC8603	C0DBZYY00450	IC	1	
	IC8701	C0DBAYY00931	IC	1	
	IC8702	C0DBAFG00029	IC	1	
	IC8706	C0DBGYY00887	IC	1	
	IC8712	C0DBAYY01058	IC	1	
	IC8714	C0DBGYY01682	IC	1	
	IC8900	TVRS216AB	IC	1	
	IC8901	TVR***	IC	1	
	IC8902	TVR***	IC	1	
	IC9300	C1AB00003461	IC	1	
	IC9304	TVRS212AA	IC	1	
	IC9400	C0JBAU000089	IC	1	
	IC9401	C0JBAU000089	IC	1	
	IC9402	C0JBAU000089	IC	1	
	IC9820	C0CBCAG00046	IC	1	
	IC9860	C0DBAYY00715	IC	1	
	IC16131	C0ZBZ0001822	IC	1	
	IC16132	C0ZBZ0001822	IC	1	
	IC16151	C0ZBZ0001822	IC	1	
	IC16152	C0ZBZ0001822	IC	1	
	IC16191	C0ZBZ0001822	IC	1	
	IC16241	C0JBAU000088	IC	1	
	IC16243	C0JBAB000715	IC	1	
	IC16244	C0JBAA000558	IC	1	
	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	
	IC16502	C0ZBZ0001822	IC	1	
	IC16521	C0ZBZ0001822	IC	1	
	IC16522	C0ZBZ0001822	IC	1	
	IC16561	C0JBAU000088	IC	1	
	IC16562	C0JBAU000088	IC	1	
	IC16563	C0JBAB000996	IC	1	
	IC16564	C0JBAE000321	IC	1	
	IC16565	C0JBAE000321	IC	1	
	IC16684	C0ZBZ0001822	IC	1	
	IC16691	C0JBAC000509	IC	1	
	IC16724	C0CBADE00049	IC	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	IC16784	MIP3910MSSCF	IC	1	
	IC16785	C0DBZYY00352	IC	1	
	IC16786	MIP3910MSSCF	IC	1	
	IC16787	C0DBZYY00352	IC	1	
	IC16795	C0CBALC00012	IC	1	
	IC16921	C1ZBZ0004292	IC	1	
	IC17201	C0JBAU000088	IC	1	
	IC17202	C0JBAU000088	IC	1	
	IC17301	C0JBAU000088	IC	1	
	IC17302	C0JBAU000089	IC	1	
	JK3000A	K1U920A00003	CONNECTOR UNIT	1	
	JK3300	K1FY315A0010	CONNECTOR	1	
	JK3701A	K4AK13B00007	TERMINAL BOARD	1	
	JK4700	K1FY119D0015	CONNECTOR	1	
	JK4701	K1FY119D0015	CONNECTOR	1	
	JK4702	K1FY119D0015	CONNECTOR	1	
	JK4703	K1FY119E0030	CONNECTOR	1	
	JK8531	K1FY104B0065	CONNECTOR	1	
	JK8532	K1FY104B0065	CONNECTOR	1	
	JK8533	K1FY104B0065	CONNECTOR	1	
	JK8650	K1NA12E00017	SD CARD CONNECTOR	1	
	JK8702	K2LC108A0012	JACK	1	
	K1	K1KA08B00270	8P CONNECTOR	1	
	L3005	J0JYC0000331	CHIP INDUCTOR	1	
	L3006	J0JYC0000331	CHIP INDUCTOR	1	
	L3013	J0ZZB0000150	FILTER	1	
	L3014	J0ZZB0000150	FILTER	1	
	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	
	L4901	G1C150MA0426	INDUCTION COIL	1	
	L4902	G1C150MA0426	INDUCTION COIL	1	
	L4903	G1C150MA0426	INDUCTION COIL	1	
	L5900	G1C6R8MA0445	INDUCTION COIL	1	
	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	
	L8531	J0JHC0000045	CHIP INDUCTOR	1	
	L8532	J0JHC0000045	CHIP INDUCTOR	1	
	L8533	J0JHC0000045	CHIP INDUCTOR	1	
	L8561	J0ZZB0000142	FILTER	1	
	L8562	J0ZZB0000142	FILTER	1	
	L8563	J0ZZB0000142	FILTER	1	
	L8600	J0JHC0000045	CHIP INDUCTOR	1	
	L8701	G1C6R8MA0445	INDUCTION COIL	1	
	L8704	G1C4R7MA0445	INDUCTION COIL	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	L8705	D0GBR00J0004	M 0 OHM J 1/10W	1	
	L8706	J0JGC0000020	CHIP INDUCTOR	1	
	L9303	J0JHC0000117	CHIP INDUCTOR	1	
	L9860	G1C2R2MA0449	INDUCTION COIL	1	
	L9861	G1C6R8MA0445	INDUCTION COIL	1	
	L16001	G0CR29KA0216	PEAKING COIL	1	
	L16303	G0C471MA0049	PEAKING COIL	1	
	L16411	G0CR26KA0216	PEAKING COIL	1	
	PA5601	K5H5022A0031	FUSE	1	
	PA5900	K5H1022A0031	FUSE	1	
	PA8703	K5H5022A0031	FUSE	1	
	PC16131	B3PBE0000058	IC	1	
	PC16191	B3PBE0000060	IC	1	
	PC16251	B3PBA0000580	IC	1	
	PC16301	B3PBA0000580	IC	1	
	PC16461	B3PBE0000058	IC	1	
	PC16462	B3PBE0000060	IC	1	
	PC16480	B3PBA0000580	IC	1	
	PC16581	B3PBA0000580	IC	1	
	PC16603	B3PBA0000580	IC	1	
	PC16685	B3PBA0000496	IC	1	
	PC16723	B3PBA0000580	IC	1	
	PC16896	B3PBA0000580	IC	1	
	PC16897	B3PBA0000580	IC	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	
	Q4513	DSA2001S0L	TRANSISTOR	1	
	Q4514	B1HFCEA00001	TRANSISTOR	1	
	Q4700	B1ABCF000231	TRANSISTOR	1	
	Q4702	B1ABCF000231	TRANSISTOR	1	
	Q4709	B1ABCF000231	TRANSISTOR	1	
	Q4710	B1ABCF000231	TRANSISTOR	1	
	Q4930	B1ADCF000194	TRANSISTOR	1	
	Q4971	B1ABCE000015	TRANSISTOR	1	
	Q4972	B1ADCF000194	TRANSISTOR	1	
	Q4973	B1Aafb000004	TRANSISTOR	1	
	Q4974	B1Aafb000004	TRANSISTOR	1	
	Q8100	B1CFRD000077	FET	1	
	Q8101	B1CFRD000077	FET	1	
	Q8102	B1MBEDA00027	FET	1	
	Q8709	B1ADCF000194	TRANSISTOR	1	
	Q8711	DSC2001S0L	TRANSISTOR	1	
	Q8900	B1ADCF000194	TRANSISTOR	1	
	Q9860	B1MBEDA00027	FET	1	
	Q9861	B1MBEDA00027	FET	1	
	Q16001	DG3C3010CL	TRANSISTOR	1	
	Q16002	DG3C3010CL	TRANSISTOR	1	
	Q16003	DG3C3010CL	TRANSISTOR	1	
	Q16021	DG3C3010CL	TRANSISTOR	1	
	Q16022	DG3C3010CL	TRANSISTOR	1	
	Q16041	B1JAEN000015	TRANSISTOR	1	
	Q16051	B1JAEN000015	TRANSISTOR	1	
	Q16055	B1HFPPA00001	TRANSISTOR	1	
	Q16056	B1HFPPA00001	TRANSISTOR	1	
	Q16101	B1CFRM000015	FET	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	Q16102	B1CFRM000015	FET	1	
	Q16141	B1HFFPA00001	TRANSISTOR	1	
	Q16161	B1HFFPA00001	TRANSISTOR	1	
	Q16251	B1ABCF000231	TRANSISTOR	1	
	Q16280	B1ABCE000015	TRANSISTOR	1	
	Q16401	DG3C3010CL	TRANSISTOR	1	
	Q16402	DG3C3010CL	TRANSISTOR	1	
	Q16403	DG3C3010CL	TRANSISTOR	1	
	Q16421	DG3C3010CL	TRANSISTOR	1	
	Q16422	DG3C3010CL	TRANSISTOR	1	
	Q16423	DG3C3010CL	TRANSISTOR	1	
	Q16442	B1JAEN000015	TRANSISTOR	1	
	Q16452	B1JAEN000015	TRANSISTOR	1	
	Q16471	B1ABCE000015	TRANSISTOR	1	
	Q16501	B1HFFPA00001	TRANSISTOR	1	
	Q16521	B1HFFPA00001	TRANSISTOR	1	
	Q16531	B1HFFPA00001	TRANSISTOR	1	
	Q16538	B1CBGD000001	FET	1	
	Q16551	B1HFFPA00001	TRANSISTOR	1	
	Q16581	B1ABCF000231	TRANSISTOR	1	
	Q16600	B1CFRM000020	FET	1	
	Q16601	B1CFRQ000021	FET	1	
	Q16602	DSA2001S0L	TRANSISTOR	1	
	Q16606	DSC2001S0L	TRANSISTOR	1	
	Q16607	B1CBGD000001	FET	1	
	Q16621	B1JBDN000004	TRANSISTOR	1	
	Q16622	B1JBDN000004	TRANSISTOR	1	
	Q16623	B1JBDN000004	TRANSISTOR	1	
	Q16646	DSA2001S0L	TRANSISTOR	1	
	Q16647	B1CBGD000001	FET	1	
	Q16660	B1CFRQ000021	FET	1	
	Q16662	B1JAER000014	TRANSISTOR	1	
	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	
	Q16931	B1ABCN000007	TRANSISTOR	1	
	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	
	R2813	D0GB223JA065	M 22KOHM,J,1/10W	1	
	R2814	D0GB103JA065	M 10K OHM J 1/10W	1	
	R2815	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R2816	D1BB1621A055	M1.62KOHM,J.1/10W	1	
	R2817	D0GB223JA065	M 22KOHM,J,1/10W	1	
	R2818	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R2819	D1BB4301A055	M4.30KOHM,J.1/10W	1	
	R3012	D0GA680JA023	M 68 OHM, J,1/16W	1	

Model No. : TH-P55ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	R3021	D0GA820JA023	M 82 OHM, J,1/16W	1	
	R3022	D0GA820JA023	M 82 OHM, J,1/16W	1	
	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	
	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, F.1/8 W	1	
	R3206	D0GA393JA023	M 39KOHM, J,1/16W	1	
	R3207	D0GA393JA023	M 39KOHM, J,1/16W	1	
	R3209	D1BB75R0A055	M 75 OHM, J,1/10W	1	
	R3301	D1BD75R0A066	M 75.0 OHM, F.1/8 W	1	
	R3302	D1BD75R0A066	M 75.0 OHM, F.1/8 W	1	
	R3303	D1BD75R0A066	M 75.0 OHM, F.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	
	R4661	D0GA200JA023	M20 OHM, J.1/16 W	1	
	R4665	D0GA200JA023	M20 OHM, J.1/16 W	1	
	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	

Model No. : TH-P55ST30A/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	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	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	R5663	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R5707	D0GDR00J0004	M 0 OHM, 1/8W	1	
	R5709	D0GA472JA023	M 4.7KOHM, J,1/16W	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	
	R5904	D1BB3002A055	M 30KOHM,J.1/10W	1	
	R5906	D1BA4642A014	M46.4KOHM,J.1/16 W	1	
	R5907	D0GB363JA065	M 36K OHM J 1/10W	1	
	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	
	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	
	R8118	D0GA183JA023	M 18K OHM J.1/16W	1	
	R8200	D1BA2400A014	M 240 OHM,J.1/16 W	1	
	R8201	D1BA1001A014	M 1KOHM,F. 1/16 W	1	
	R8202	D1BA1001A014	M 1KOHM,F. 1/16 W	1	
	R8203	D1BA1001A014	M 1KOHM,F. 1/16 W	1	
	R8204	D1BA1001A014	M 1KOHM,F. 1/16 W	1	
	R8205	D1BA1001A014	M 1KOHM,F. 1/16 W	1	
	R8206	D1BA1001A014	M 1KOHM,F. 1/16 W	1	
	R8207	D1BA1001A014	M 1KOHM,F. 1/16 W	1	
	R8208	D1BA1001A014	M 1KOHM,F. 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,F. 1/16 W	1	
	R8217	D1BA1001A014	M 1KOHM,F. 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	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	R8303	D0GA360JA023	M 36 OHM, J,1/16W	1	
	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	
	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	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	R8761	D0GD102JA052	M 1.0KOHM, J,1/8W	1	
	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	
	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	M1KOHM, 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	M1KOHM, 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	
	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	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	R9325	D0GB122JA065	M 1.2KOHM J 1/10W	1	
	R9326	D0GB122JA065	M 1.2KOHM J 1/10W	1	
	R9327	D0GB122JA065	M 1.2KOHM J 1/10W	1	
	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	
	R9608	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R9610	EXB28V470JX	M 47 OHM 1/32 W	1	
	R9611	EXB28V470JX	M 47 OHM 1/32 W	1	
	R9709	EXB28V470JX	M 47 OHM 1/32 W	1	
	R9711	D0GA470JA023	M 47 OHM, J,1/16W	1	
	R9860	D1BB1101A055	M 1.1 KOHM,J.1/10W	1	
	R9861	D1BB1911A074	M1.91 KOHM,J.1/10W	1	
	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	
	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	
	R16031	D0GF473JA048	M 47KOHM,J,1/3W	1	
	R16032	D0GF473JA048	M 47KOHM,J,1/3W	1	
	R16041	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16051	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	
	R16116	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16130	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16131	D0GB220JA065	M 22 OHM J 1/10W	1	
	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	
	R16137	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16138	D0GF561JA047	M 560 OHM,J, 1/3W	1	
	R16139	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16141	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16143	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16151	D0GB220JA065	M 22 OHM J 1/10W	1	
	R16152	D0GB220JA065	M 22 OHM J 1/10W	1	
	R16153	D0GB331JA065	M330 OHM J 1/10W	1	
	R16154	D0GD750JA059	M 75 OHM,J,1/4W	1	
	R16155	D0GB4R7JA065	M 4.7 OHM J 1/10W	1	
	R16161	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16163	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16171	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16173	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16181	D0GD100JA059	M 10 OHM,J,1/4W	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16183	D0GB473JA065	M 47KOHM J. 1/10W	1	
	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	
	R16195	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16196	D0GF102JA048	M 1.0 KOHM,J,1/3W	1	
	R16197	D0GB220JA065	M 22 OHM J 1/10W	1	
	R16230	D0GD470JA052	M 47 OHM,J,1/8W	1	
	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	
	R16245	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16246	D0GD222JA052	M 2.2KOHM,J,1/8W	1	
	R16252	D0GF563JA048	M 56 KOHM,J,1/3W	1	
	R16253	D1BD1003A044	M 100KOHM,J.1/8 W	1	
	R16254	D1BD4422A044	M44.2KOHM,F.1/8W	1	
	R16255	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16257	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16281	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16282	D0GD221JA052	M 220 OHM,J 1/4W	1	
	R16283	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16284	D0GB224JA065	M 220KOHM,J,1/10W	1	
	R16285	EXB38V823J	M 82 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	D0GDR00J0004	M 0 OHM, 1/8W	1	
	R16309	ERG2FJS273D	M 27KOHM, J, 2W	1	
	R16310	ERG2FJS273D	M 27KOHM, J, 2W	1	
	R16317	D1BD6492A077	M64.9KOHM,D.1/10W	1	
	R16318	D1BD6802A077	M68.0KOHM,D.1/10W	1	
	R16319	D1BD2491A077	M 2.49KOHM,D.1/10W	1	
	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	
	R16442	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	
	R16467	D0GF473JA048	M 47KOHM,J,1/3W	1	
	R16471	D0GB392JA065	M 3.9KOHM,J,1/10W	1	
	R16472	D0GB222JA065	M 2.2KOHM,J,1/10W	1	
	R16473	D0GD561JA052	M 560 OHM,J,1/4W	1	
	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	
	R16478	D0GB562JA065	M 5.6KOHM,J,1/10W	1	
	R16479	D0GD103JA052	M 10KOHM,J,1/8W	1	
	R16490	D1BD1203A077	M 120KOHM,D.1/10W	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16491	D1BD1203A077	M 120KOHM,D.1/10W	1	
	R16492	D1BD1203A077	M 120KOHM,D.1/10W	1	
	R16493	D1BD5491A077	M5.49KOHM,D.1/10W	1	
	R16494	D1BB2001A055	M 2KOHM,J.1/10W	1	
	R16497	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16498	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16501	D0GB220JA065	M 22 OHM J 1/10W	1	
	R16503	D0GD100JA059	M 10 OHM, J, 1/4W	1	
	R16505	D0GF102JA048	M 1.0 KOHM,J,1/3W	1	
	R16506	D0GD100JA059	M 10 OHM, J, 1/4W	1	
	R16507	D0GB220JA065	M 22 OHM J 1/10W	1	
	R16508	D0GB220JA065	M 22 OHM J 1/10W	1	
	R16512	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16515	D0D52R2KA005	M 2.2 OHM, J, 5W	1	
	R16517	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16522	D0GB101JA065	M 100 OHM, J, 1/10W	1	
	R16525	D0GB4R7JA065	M 4.7 OHM J 1/10W	1	
	R16526	D0GB4R7JA065	M 4.7 OHM J 1/10W	1	
	R16531	D0GD100JA059	M 10 OHM, J, 1/4W	1	
	R16532	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16534	D0GF561JA047	M 560 OHM, J, 1/3W	1	
	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	
	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	
	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	
	R16583	D1BD1003A044	M 100KOHM, J. 1/8 W	1	
	R16584	D1BD4422A044	M44.2KOHM, F. 1/8W	1	
	R16585	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16587	D0GB222JA065	M 2.2KOHM, J, 1/10W	1	
	R16588	D0GB223JA065	M 22KOHM, J, 1/10W	1	
	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	
	R16605	D0GD220JA059	M 22 OHM, J, 1/4W	1	
	R16606	D0GD223JA052	M 22KOHM, J, 1/4W	1	
	R16607	D1BB5111A055	M5.11KOHM, J. 1/10W	1	
	R16608	ERG2FJS153D	M 15KOHM, J, 2W	1	
	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	
	R16615	D1BB8060A055	M 806 OHM, J. 1/10W	1	
	R16617	D0GD222JA052	M 2.2KOHM, J, 1/8W	1	
	R16621	D0GD221JA052	M 220 OHM, J 1/4W	1	
	R16622	D0GD221JA052	M 220 OHM, J 1/4W	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16623	D0GD221JA052	M 220 OHM, J 1/4W	1	
	R16631	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16633	D0GD223JA052	M 22KOHM, J, 1/4W	1	
	R16634	D0GD222JA052	M 2.2KOHM, J, 1/8W	1	
	R16645	D0GB562JA065	M 5.6KOHM, J, 1/10W	1	
	R16646	D1BD8660A044	M 866 OHM, F. 1/8W	1	
	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	
	R16654	D0GD470JA052	M 47 OHM, J, 1/8W	1	
	R16658	D1BD6491A077	M6.49KOHM, D. 1/10W	1	
	R16662	D1BB1002A087	M 10KOHM, J. 1/10W	1	
	R16663	D1BD9091A077	M 9.09KOHM, D. 1/10W	1	
	R16664	D0GF202JA047	M 2KOHM, J, 1/3W	1	
	R16665	D0GD222JA052	M 2.2KOHM, J, 1/8W	1	
	R16666	D1BB1003A087	M100KOHM, D 1/10W	1	
	R16667	D0GF202JA047	M 2KOHM, J, 1/3W	1	
	R16668	D0GF202JA047	M 2KOHM, J, 1/3W	1	
	R16670	D0GD100JA059	M 10 OHM, J, 1/4W	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	
	R16685	D1BD1500A044	M 150 OHM, J. 1/8 W	1	
	R16686	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16719	D0GB220JA065	M 22 OHM J 1/10W	1	
	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	
	R16772	D0GB472JA065	M 4.7KOHM, J, 1/10W	1	
	R16773	D0GD102JA052	M 1.0KOHM, J, 1/8W	1	
	R16776	D0GD470JA052	M 47 OHM, J, 1/8W	1	
	R16786	D1BD5902A044	M 59KOHM, F. 1/8W	1	
	R16791	D0GB102JA065	M 1KOHM, J, 1/10W	1	
	R16815	D0GB103JA065	M 10K OHM J 1/10W	1	
	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	
	R16832	D1BD7152A077	M71.5K0OHM, D. 1/10W	1	
	R16833	ERG1SJ683	M 68KOHM, J, 1W	1	
	R16834	ERG1SJ683	M 68KOHM, J, 1W	1	
	R16838	ERG2FJS473D	M 47KOHM, J, 2W	1	
	R16839	ERG2FJS473D	M 47KOHM, J, 2W	1	
	R16841	D0GB472JA065	M 4.7KOHM, J, 1/10W	1	
	R16842	D0GD102JA052	M 1.0KOHM, J, 1/8W	1	
	R16844	ERA6YEB242	M 2.4KOHM, B 1/10W	1	
	R16845	D1BD6812A077	M68.1KOHM, D. 1/10W	1	
	R16846	D1BD5762A077	M57.6KOHM, D. 1/10W	1	
	R16847	D1BD6492A077	M64.9KOHM, D. 1/10W	1	
	R16851	D0GB474JA065	M 470KOHM, J, 1/10W	1	
	R16852	D0GB474JA065	M 470KOHM, J, 1/10W	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	R16895	D1BB9091A087	M9.09 KOHM,J.1/10W	1	
	R16897	D1BB2262A055	M22.6KOHM F 1/10W	1	
	R16898	D1BB3011A055	M 3.01KOHM, 1/10W	1	
	R16899	D1BB4991A055	M4.99KOHM,J.1/10W	1	
	R16900	D1BB5110A055	M 511 OHM, 1/10W	1	
	R16902	D0GB6R2JA065	M 6.2 OHM J 1/10W	1	
	R16921	D1BB2152A055	M 21.5KOHM, 1/10W	1	
	R16922	D1BB9531A055	M9.53KOHM,J.1/10W	1	
	R16931	D1BF2R70A021	M 2.7 OHM, 1/4W	1	
	R16932	D0GD223JA052	M 22KOHM, J,1/4W	1	
	R16937	D0GB184JA065	M 180KOHM J 1/10W	1	
	R16939	D0GD102JA052	M 1.0KOHM,J,1/8W	1	
	R16940	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16941	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16942	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16945	D0GB471JA065	M 470 OHM,J,1/10W	1	
	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	
	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	
	R17163	D0GB470JA065	M 47 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	
	R17197	D0GF151JA047	M 150 OHM, J, 1/3W	1	
	R17198	D0GD224JA052	M 220KOHM,J,1/8W	1	
	R17201	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17202	D0GB101JA065	M 100 OHM, J,1/10W	1	
	R17203	D1BB49R90002	M 49 OHM, J.1/10W	1	
	R17204	D1BB49R90002	M 49 OHM, J.1/10W	1	
	R17205	D1BB49R90002	M 49 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	D1BB49R90002	M 49 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	

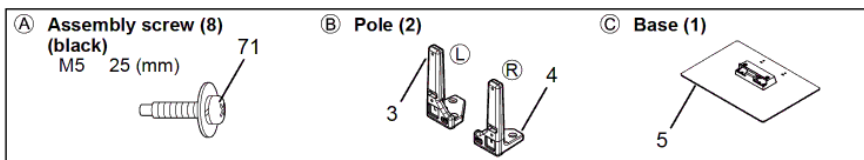
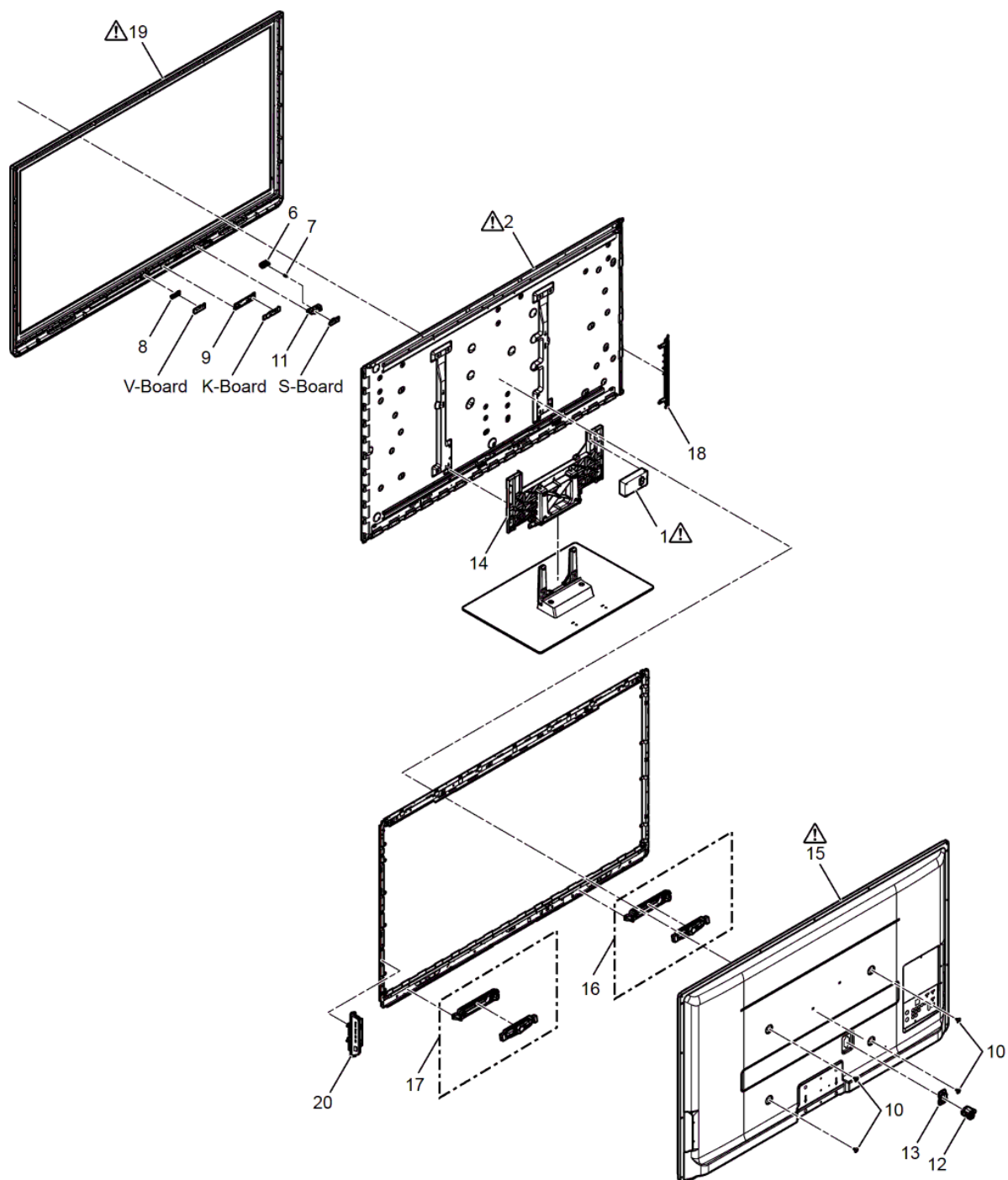
Model No. : TH-P55ST30A/Z Parts List

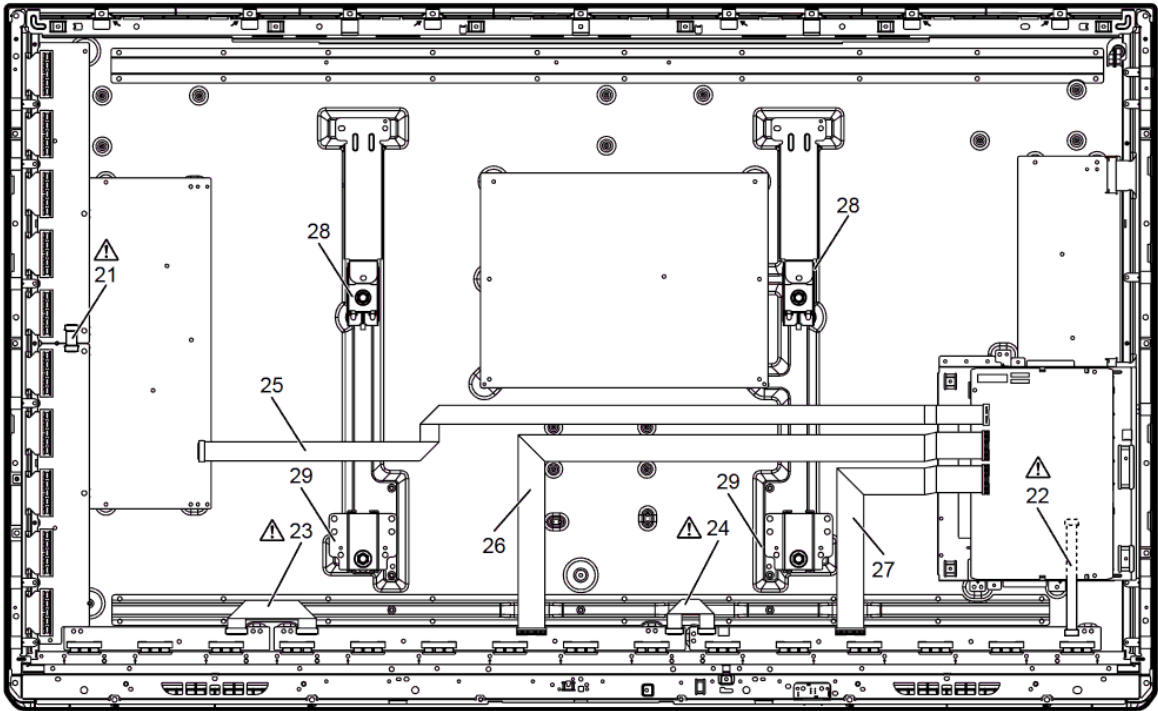
Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R17239	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17241	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17262	D0GB470JA065	M 47 OHM, J,1/10W	1	
	R17263	D0GB681JA065	M 680 OHM, J,1/10W	1	
	R17264	D0GB681JA065	M 680 OHM, J,1/10W	1	
	R17268	D0GD224JA052	M 220KOHM, J,1/8W	1	
	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	
	R17278	D1BB49R90002	M 49 OHM, J,1/10W	1	
	R17279	D1BB49R90002	M 49 OHM, J,1/10W	1	
	R17280	D1BB49R90002	M 49 OHM, J,1/10W	1	
	R17281	D1BB49R90002	M 49 OHM, J,1/10W	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	
	R17316	D0GB470JA065	M 47 OHM, J,1/10W	1	
	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	
	R17362	D0GB681JA065	M 680 OHM, J,1/10W	1	
	R17366	EXB38V470J	M 47 OHM 1/16 W	1	
	R17367	EXB38V470J	M 47 OHM 1/16 W	1	
	R17368	EXB38V470J	M 47 OHM 1/16 W	1	
	R17369	EXB38V470J	M 47 OHM 1/16 W	1	
	R17370	EXB38V681J	M 680 OHM 1/16 W	1	
	R17371	EXB38V681J	M 680 OHM 1/16 W	1	
	R17372	EXB38V681J	M 680 OHM 1/16 W	1	
	R17397	D0GF151JA047	M 150 OHM, J, 1/3W	1	
	R17398	D0GD224JA052	M 220KOHM, J,1/8W	1	
	RM2810	B3RAD0000168	REMOTE SENSOR	1	
	S10	K1KA03BA0061	3P CONNECTOR	1	
	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	K1MN13B00091	13P CONNECTOR	1	
	SS54	K1MN13B00091	13P CONNECTOR	1	
	SS56	K1MN13B00091	13P CONNECTOR	1	

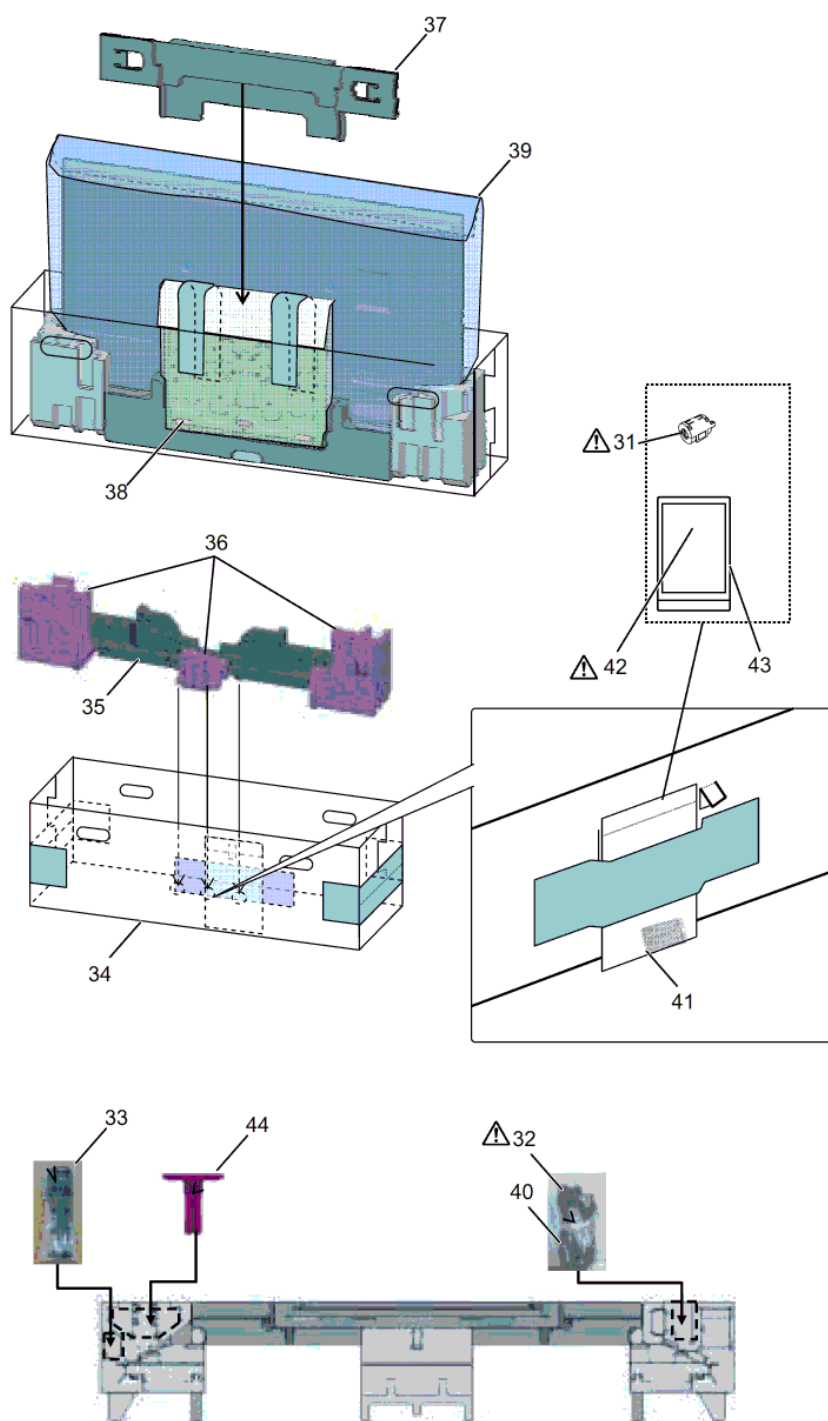
Model No. : TH-P55ST30A/Z Parts List

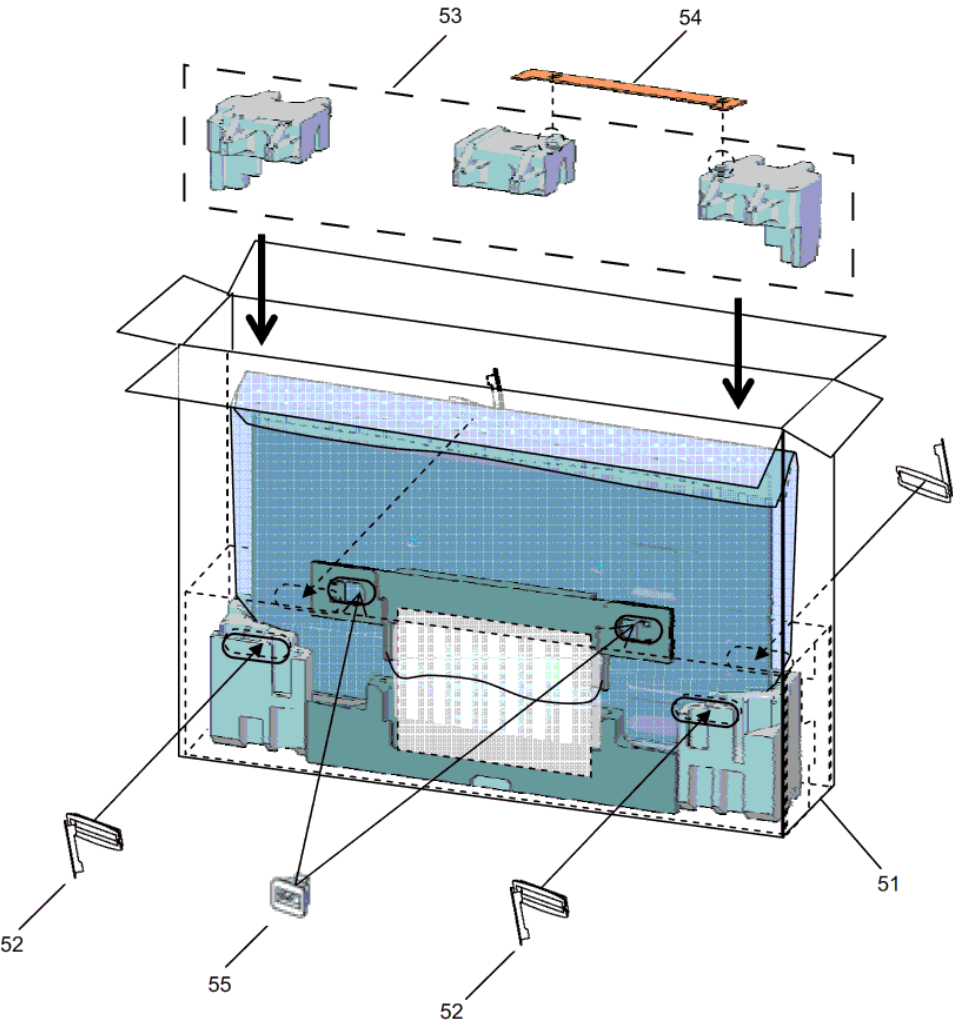
Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	SW2890	K0F126A00003	SWITCH	1	
	T8301	G5BYC0000015	TRANS	1	
	T16471	G4DYA0000253	SWITCHING TRANS	1	
	T16472	G4DYA0000252	SWITCHING TRANS	1	
	TU4801	ENG87302D5F	TUNER	1	
	V14	K1KA06B00220	6P CONNECTOR	1	
	X8300	H0J245500110	CRYSTAL	1	
	X8600	H0J250500109	CRYSTAL	1	
	X9300	H0J200500091	CRYSTAL	1	
	ZA16001	K4AZ01D00004	TERMINAL	1	
	ZA16002	K4AZ01D00004	TERMINAL	1	
	ZA16402	K4AZ01D00004	TERMINAL	1	
	ZA16403	K4AZ01D00004	TERMINAL	1	
	ZA17101	K4CD01000013	AV TERMINAL	1	
	ZA17102	K4CD01000013	AV TERMINAL	1	
	ZA17103	K4CD01000013	AV TERMINAL	1	
	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	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	31	J0KG00000146	FERRITE CORE	1	
	1	K2AHYH000044	AC-INLET WITH CABLE	1	
	32	K2CK3YY00024	AC CORD	1	
	2	MD55F14A6J	PLASMA DISPLAY PANEL	1	
	33	N2QAYB000583	REMOTE CONTROL	1	
	3	TBL5ZA3107	STAND POLE L	1	
	4	TBL5ZA3108	STAND POLE R	1	
	5	TBL5ZX0108	PEDESTAL STAND	1	
	6	TBXA57003	POWER BUTTON	1	
	7	TESD101	SPRING	1	
		THEJ036J	SCREW(INLET:1 CONTACT_BOT.A-B:9)	10	
		THEJ0409	SCREW	11	chap. 3.1.(4)
		THEL0239	SCREW(DD-CONTACT_BOT:15)	15	
		THEL052Z	SCREW	13	chap. 3.1.(2)
	71	THEL090N	SCREW M5x25	8	
		THTA0419	HOOK SCREW	1	
	8	TKKC5412-1	3D EMITTER PANEL	1	
	9	TKKC5413	LED PANEL	1	
	10	TKKL5493	M8 CAP	4	
		TMME332	CLAMPER	2	
		TMME397	SPACER	7	
	11	TMWC037	POWER BUTTON BRACKET	1	
	12	TMXX064	AC CORD CLAMPER A	1	
	13	TMXX065	AC CORD CLAMPER B	1	
	14	TMZX5191	STAND BRACKET	1	
	34	TPCC87501	CARTON BOX BOTTOM	1	
	51	TPCC87601	CARTON BOX TOP(WITH STAMP)	1	(A)
	51	TPCC87602	CARTON BOX TOP(WITH STAMP)	1	(Z)
	52	TPD169487	JOINT	4	
	35	TPDA2382-1	PEDESTAL CUSHION	1	
	53	TPDA2460	TOP CUSHION	1	
	36	TPDA2461	BOTTOM CUSHION	1	
	54	TPDF2582	TOP PAD	1	
	37	TPDF2587	PEDESTAL PAD	1	
	55	TPDX0016-1	PEDESTAL JOINT	2	
	38	TPEB490	BAG (PEDESTAL STAND)	1	
	39	TPEH170	PROTECT COVER	1	
	40	TPEP027	BAG FOR AC CORD	1	
	41	TPEP031	ACCESSORIES BAG	1	
	42	TQBC2645	INSTRUCTION BOOK(ENGLISH)	1	(A)
	42	TQBC2646	INSTRUCTION BOOK(ENGLISH)	1	(Z)
	43	TQEF127	BAG (INSTRUCTION BOOK)	1	
	44	TQEF149	BAG (STAND POLE R)	1	
		TQEF150	BAG (SCREW)	1	
	21	TSXM217	CABLE(SU11-SD11)	1	
	22	TSXM234	CABLE(C33-SS33)	1	
	23	TSXM238-1	CABLE(C10-C20)	1	
	24	TSXM240-1	CABLE(C26-C36)	1	
	25	TSXM348	CABLE(A20-SC20)	1	
	26	TSXM349	CABLE(A31-C21)	1	
	27	TSXM350	CABLE(A32-C31)	1	
	15	TTUA2564	REAR COVER	1	(A)
	15	TTUA2565	REAR COVER	1	(Z)
	28	TUX2AA066	M8 NUT METAL TOP	2	
	29	TUXJ847	M8 NUT METAL BOTTOM	2	
	16	TXFEA01MZUA	SPEAKER L ASSY	1	
	17	TXFEA02MZUA	SPEAKER R ASSY	1	
		TXFKL01MZUA	TIP-PREVENTION PARTS ASSY	1	
	18	TXFKP01MZUA	SIDE TERMINAL COVER ASSY	1	
	19	TXFKY5Z0070	CABINET ASSY	1	
	20	TXFUX06MZUA	SIDE UNIT COMPLETE	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		TXJA11MZUA	SPEAKER LEAD (A11-SPR/SPL)	1	
		XTB3+8GFJ	SCREW M3	2	
		XTB4+12GFJ	CAB-CONTACT_MET:TOP6 SIDE6 BOT-B8 PW:2	22	
		XTB4+12GFJK	SCREW (BC:15)	15	chap. 3.1. (1)
		XTV3+10JFJK	SCREW (REAR AV:2)	2	chap. 3.1. (5)
		XTV3+8GFJ	SCREW (LED:2)	2	
		XYN3+F10FJK	SCREW (BC-AC_INL:2)	2	chap. 3.1. (3)
		XYN3+F8FJ	SCREW (A-PRINT:4)	4	
		XYN3+J10FJ	SCREW	2	
		XYN4+E6FJ	SCREW (INLET:1)	1	
		XYN4+F8FJ	SCREW (SC-SUSD:4)	4	
		XYN5+F12FJ	SCREW (STAND_BRKT:10 M8_METAL:8)	18	