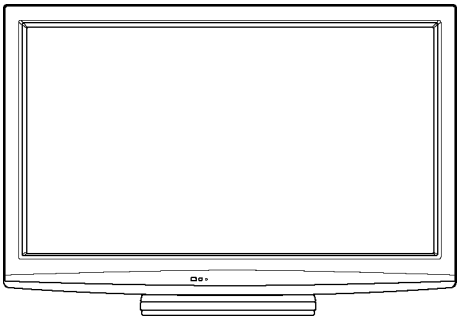
ORDER NO. PAVCTH1005004CE

Service Manual

Plasma Television

Model No. TC-P50X20P

GPH13DA 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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TABLE OF CONTENTS

PAGE

1 Safety Precautions ---------- 3
1.1. General Guidelines ---------- 3
1.2. Touch-Current Check ---------- 3
2 Warning ---------- 4
2.1. Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices ---------- 4
2.2. About lead free solder (PbF) ---------- 5
3 Service Navigation ---------- 6
3.1. PCB Layout ---------- 6
3.2. Applicable signals ---------- 7
4 Specifications ---------- 8
5 Service Mode ---------- 9
5.1. How to enter into Service Mode ---------- 9
5.2. Option - Mirror ---------- 11
5.3. Service tool mode ---------- 11
5.4. Hotel mode ---------- 12
5.5. Data Copy by SD Card ---------- 13
6 Troubleshooting Guide ---------- 16
6.1. Check of the IIC bus lines ---------- 16
6.2. Power LED Blinking timing chart ---------- 17
6.3. No Power ---------- 18
6.4. No Picture ---------- 19
6.5. Local screen failure ---------- 20
7 Service Fixture & Tools ---------- 21
7.1. SC jig ---------- 21
8 Disassembly and Assembly Instructions ---------- 22
8.1. Remove the Rear cover ---------- 22
8.2. Remove the AC inlet ---------- 22
8.3. Remove the P-Board ---------- 22
8.4. Remove the Side terminal cover and the Side shield metal ---------- 22
8.5. Remove the Tuner unit ---------- 23
8.6. Remove the A-Board ---------- 23
8.7. Remove the Speakers ---------- 23
8.8. Remove the SU-Board ---------- 23
8.9. Remove the SD-Board ---------- 24
8.10. Remove the SC-Board ---------- 24
8.11. Remove the SS-Board ---------- 24
8.12. Remove the Hanger metals and the Stand brackets ---------- 24
8.13. Remove the C1-Board ---------- 25
8.14. Remove the C2-Board ---------- 25
8.15. Remove the Plasma panel section from the Cabinet assy (glass) ---------- 25
8.16. Remove the Glass holders ---------- 26
8.17. Remove the K-Board ---------- 26
8.18. Replace the plasma panel ---------- 26
9 Measurements and Adjustments ---------- 27
9.1. Adjustment ---------- 27
10 Block Diagram ---------- 31
10.1. Main Block Diagram ---------- 31
10.2. Block (1/4) Diagram ---------- 32
10.3. Block (2/4) Diagram ---------- 33
10.4. Block (3/4) Diagram ---------- 34
10.5. Block (4/4) Diagram ---------- 35
11 Wiring Connection Diagram ---------- 37
11.1. Caution statement. ---------- 37
11.2. Wiring (1) ---------- 37

PAGE

11.3. Wiring (2) ---------- 38
11.4. Wiring (3) ---------- 38
11.5. Wiring (4) ---------- 39
12 Schematic Diagram ---------- 41
12.1. Schematic Diagram Note ---------- 41
12.2. A-Board (1/19) Schematic Diagram ---------- 42
12.3. A-Board (2/19) Schematic Diagram ---------- 43
12.4. A-Board (3/19) Schematic Diagram ---------- 44
12.5. A-Board (4/19) Schematic Diagram ---------- 45
12.6. A-Board (5/19) Schematic Diagram ---------- 46
12.7. A-Board (6/19) Schematic Diagram ---------- 47
12.8. A-Board (7/19) Schematic Diagram ---------- 48
12.9. A-Board (8/19) Schematic Diagram ---------- 49
12.10. A-Board (9/19) Schematic Diagram ---------- 50
12.11. A-Board (10/19) Schematic Diagram ---------- 51
12.12. A-Board (11/19) Schematic Diagram ---------- 52
12.13. A-Board (12/19) Schematic Diagram ---------- 53
12.14. A-Board (13/19) Schematic Diagram ---------- 54
12.15. A-Board (14/19) Schematic Diagram ---------- 55
12.16. A-Board (15/19) Schematic Diagram ---------- 56
12.17. A-Board (16/19) Schematic Diagram ---------- 57
12.18. A-Board (17/19) and K-Board Schematic Diagram ---------- 58
12.19. A-Board (18/19) Schematic Diagram ---------- 59
12.20. A-Board (19/19) Schematic Diagram ---------- 60
12.21. C1-Board Schematic Diagram ---------- 61
12.22. C2-Board Schematic Diagram ---------- 62
12.23. SC-Board (1/4) Schematic Diagram ---------- 63
12.24. SC-Board (2/4) Schematic Diagram ---------- 64
12.25. SC-Board (3/4) Schematic Diagram ---------- 65
12.26. SC-Board (4/4) Schematic Diagram ---------- 66
12.27. SS-Board (1/2) Schematic Diagram ---------- 67
12.28. SS-Board (2/2) Schematic Diagram ---------- 68
13 Printed Circuit Board ---------- 69
13.1. K-Board ---------- 69
13.2. A-Board ---------- 70
13.3. C1-Board ---------- 72
13.4. C2-Board ---------- 73
13.5. SC-Board ---------- 74
13.6. SS-Board ---------- 76
14 Exploded View and Replacement Parts List ---------- 79
14.1. Exploded View and Mechanical Replacement Parts List ---------- 79
14.2. Electrical Replacement Parts List ---------- 86

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 V (peak) and U_2 = 0.35 V (peak);

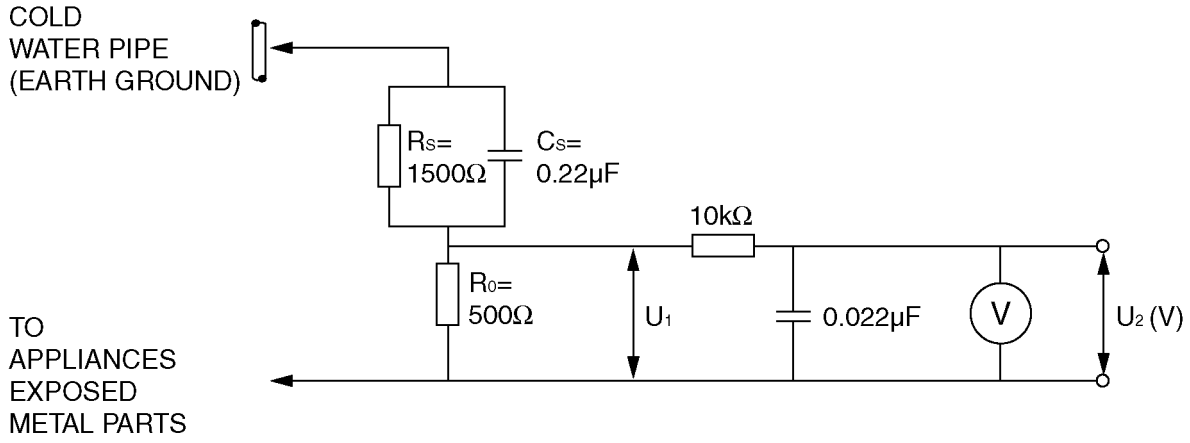
   For d. c.: U_1 = 1.0 V,

   Note:

   The limit value of U_2 = 0.35 V (peak) for a. c. and U_1 = 1.0 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 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: ≥ 1 MΩ
Input capacitance: ≤ 200 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)

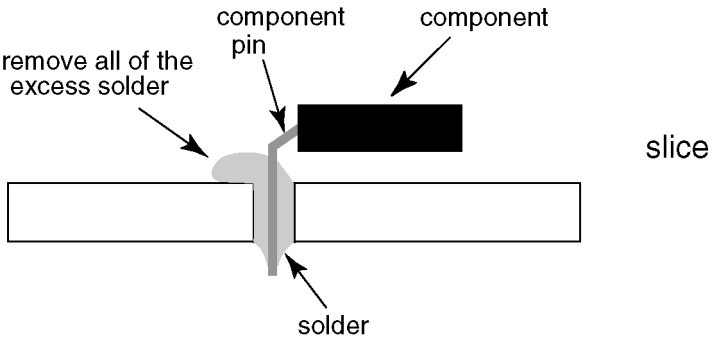
Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.
The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and Copper (Cu) although 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.

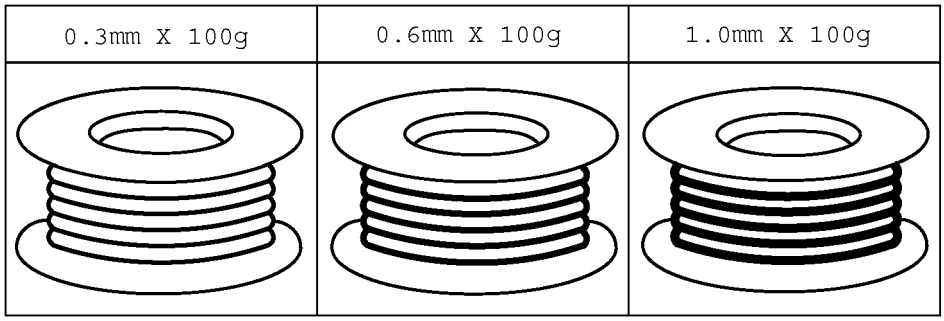
Caution

- 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

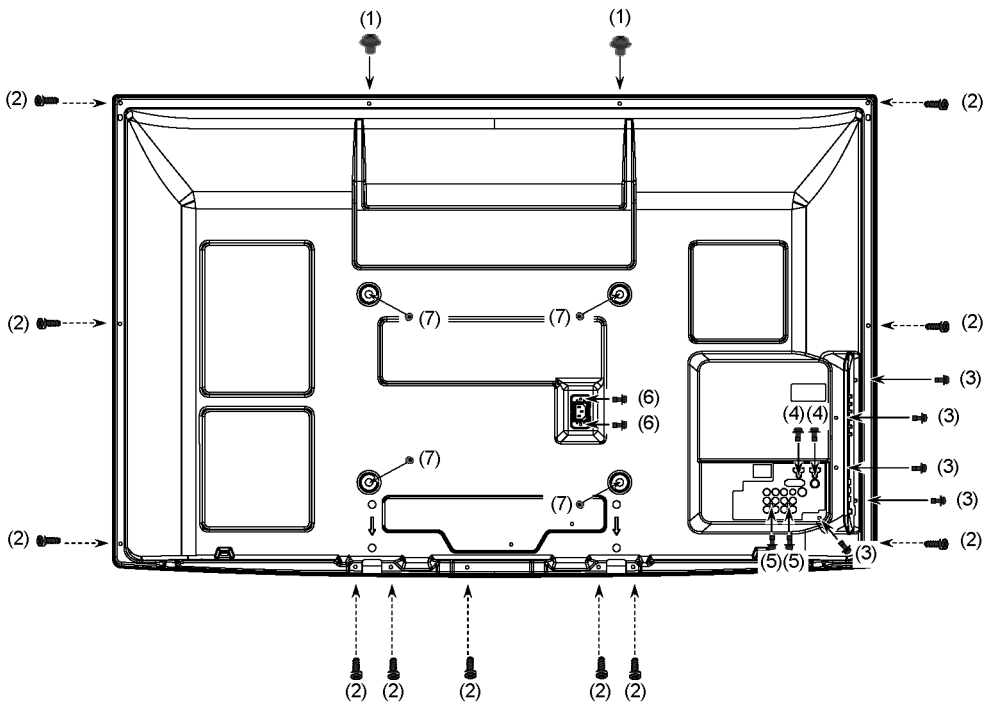
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.



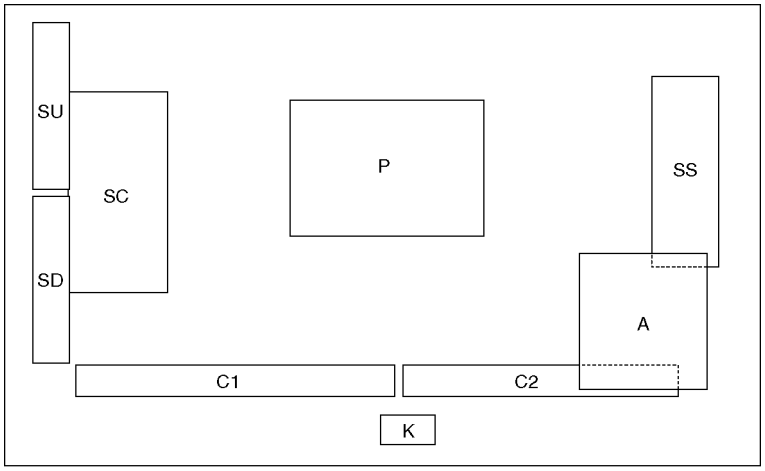
3 Service Navigation

3.1. PCB Layout

Remove the Rear cover



Remove:
2screws (1) THEL052Z
11screws (2) XTB4+12GFJK
5screws (3) THEJ0339
2screws (4) XSB3+6FJ
2screws (5) XTV3+10JFJK
2screws (6) XYN3+F10FJK
4screws (7) TKKL5493



Board Name	Function	Board Name	Function
P	Power Supply Non serviceable. P-Board should be exchanged for service.	C1	Data Driver (Lower Right)
		C2	Data Driver (Lower Left)
		SC	Scan Drive
A	DC-DC Converter, Tuner Speaker out, AV Terminal, HDMI in, SD Card Digital Signal Processor, PEAKS-sLD Format Converter, Plasma AI, Sub-Field Processor Key Switch, Power Switch	SS	Sustain Drive
		SU	Scan out (Upper) Non serviceable. SU-Board should be exchanged for service.
		SD	Scan out (Lower) Non serviceable. SD-Board should be exchanged for service.
K	Remote receiver, Power LED, C.A.T.S sensor		

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 × 480 @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 Source	AC 110-220 V, 50 / 60 Hz	
Power Consumption		
Average use :	295 W	
Standby condition :	0.4 W	
Display panel		
Aspect Ratio	16:9	
Visible screen size	127 cm (diagonal) 1,105 mm (W) × 622 mm (H)	
Number of pixels	786,432 (1,024 (W) × 768 (H)) [3,072 × 768 dots]	
Sound		
Speaker	160 mm × 40 mm × 2 pcs, 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	1. PAL-M 2. PAL-N 3. NTSC	Reception of broadcast transmissions and Playback from VCR or DVD
Receiving Channels (Analogue TV)		
	VHF BAND 2-13 **UHF BAND** 14-69 **CATV** 1-125 (USA CATV)	
Aerial - Rear	VHF / UHF	
Operating Conditions		
	Temperature:	0 °C - 40 °C
	Humidity:	20 % - 80 % RH (non-condensing)
Connection Terminals		
AV1 Input		
Audio L - R	RCA PIN Type × 2	0.5 V [rms]
VIDEO	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)
COMPONENT	Y	1.0 V [p-p] (including synchronization)
	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)
Monitor Output		
Audio L - R	RCA PIN Type × 2	0.5 V [rms] (high impedance)
VIDEO	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)
Others		
HDMI1 - 3 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)
Card slot	SD Card slot × 1	
Dimensions (W × H × D)	1,218 mm × 817 mm × 357 mm (With Pedestal) 1,218 mm × 769 mm × 93 mm (TV only)	
Mass	33.0 kg Net (With Pedestal) 31.0 kg Net (TV only)	

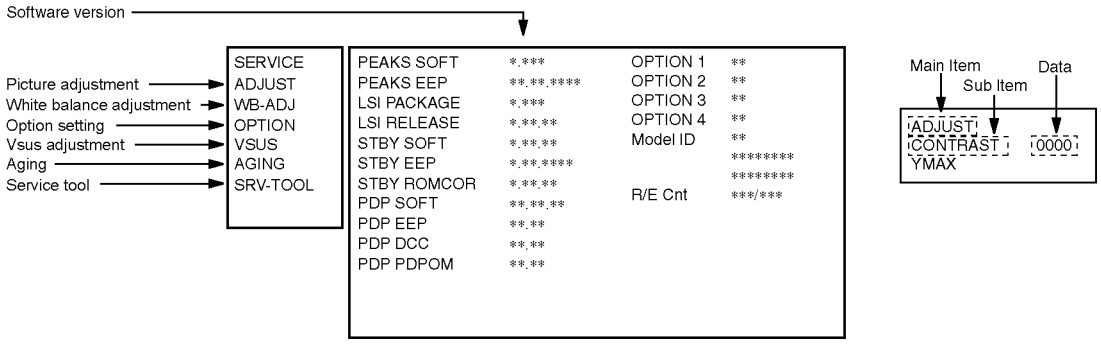
Note

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

5 Service Mode

5.1. How to enter into Service Mode

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



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

5.1.2. 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	23A	
	COLOR	2B	
	TINT	00	
	SUB-BRT	80C	
	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	F1	
	G-DRV	FC	
	B-DRV	D0	
	ALL-CUT	80	
	ALL-DRV	FC	
OPTION	Panel-Type	50HD	Factory Preset
	Boot	ROM	
	STBY-SET	00	
	EMERGENCY	ON	
	Y/C Delay		
	OPT 1	10001000	
	OPT 2	00000000	
	OPT 3	00000000	
	OPT 4	00000000	
	EDID-CLK	HIGH	
	MIRROR	00 (See next)	
VSUS			
AGING	ALL WHITE		Built-in test patterns can be displayed.
	AI ALL BLUE + WHITE FRAME		
	AI ALL GREEN		
	AI ALL RED		
	LOW STEP WHITE		
	LOW STEP BLUE		
	LOW STEP GREEN		
	LOW STEP RED		
	RAMP WHITE		
	RAMP RED		
	RAMP GREEN		
	RAMP BLUE		
	A-ZONE B-ZONE		
	1% WINDOW		
	COLOR BAR		
	9 POINT BRIGHTNESS		
	WHITE FRAME		
	AI ALL BLUE		
	TWICE FIXATION 1% WINDOW		
	SCROLL		
	ON/OFF OR WHITE		
	R/G/B/W AGING MODE		
	0.5 TIME FIXATION ALL WHITE		
	ALL WHITE WITH COUNT		
SRV-TOOL			see next

Destination	P
Check sum	96d0
EDID	9c 1c0efe--

5.1.3. How to exit

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

5.2. 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

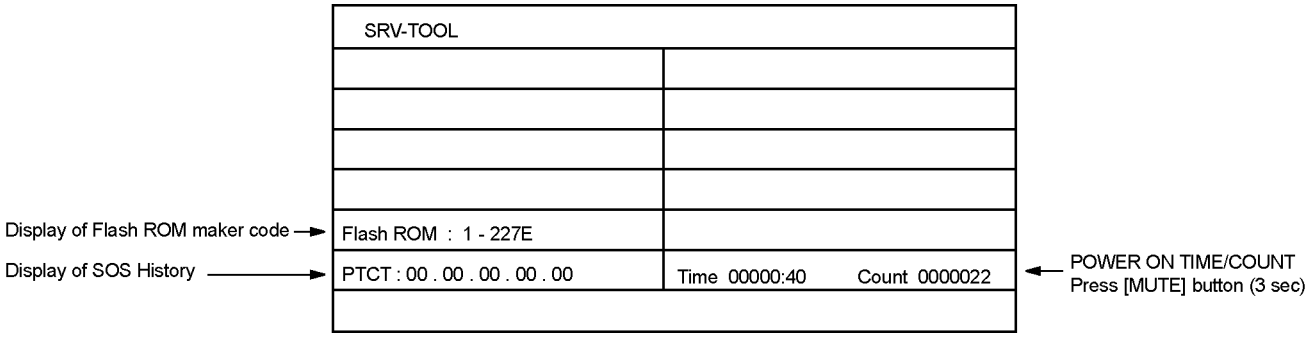


Hint : If the defective symptom (e.g. Vertical bar or Horizontal bar) is moved by selection of this mirror, the possible cause is in A-board.

5.3. Service tool mode

5.3.1. How to access

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



5.3.2. Display of SOS History

SOS History (Number of LED blinking) indication.
From left side; Last SOS, before Last, three occurrence before, 2nd occurrence after shipment, 1st occurrence after shipment.
This indication will be cleared by [Self-check indication and forced to factory shipment setting].

5.3.3. POWER ON Time, On/Off

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/Off switching by decimal
Note : This indication will not be cleared by either of the self-checks or any other command.

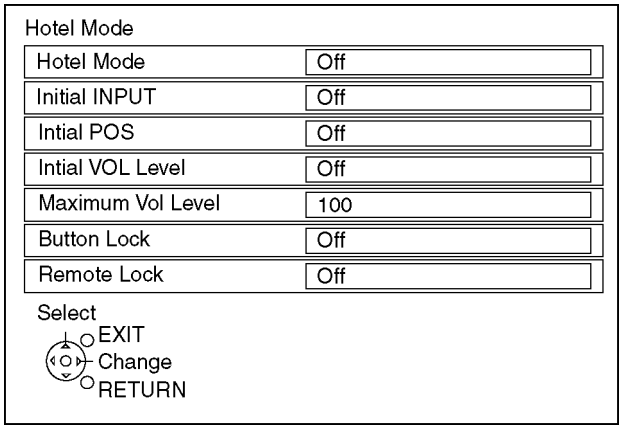
5.3.4. Exit

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

5.4. 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, please enter the following command **(within 2 second)**.
   [TV] : Vol. [Down] + [REMOTE] : AV (3 times)

   Then, the Hotel mode setup menu is displayed.



3. To exit the Hotel mode setup menu
   Disconnect AC power cord from wall outlet.
4. Explain the Hotel mode setup menu

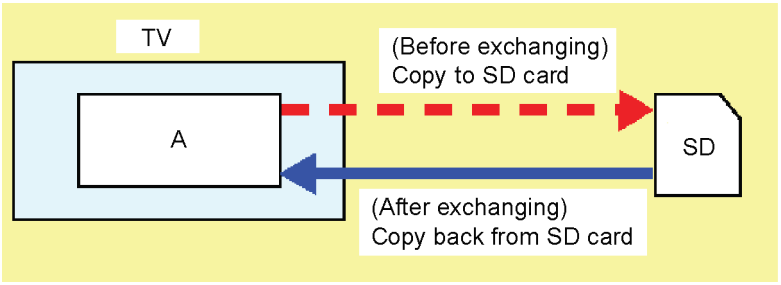
item	Function
Hotel Mode	Select hotel mode ON/OFF
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off/TV/AV1/AV2/AV3/PC/HDMI1/HDMI2/HDMI3 • PC: selectable with VGA option
Initial POS	Select programme number. Selection : Off/0 to 99 • Off: give 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

5.5. Data Copy by SD Card

5.5.1. Purpose

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

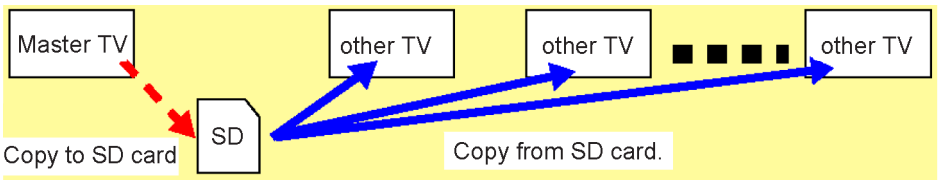
When exchanging A-board, the data in original A-board can be copied to SD card and then copy to new A-board.



Following data can be copied.
- User setting data
- (incl. Hotel mode setting data)
- Channel scan data
- Adjustment and factory preset data

(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.



Following data can be copied.
- User setting data
- (incl. Hotel mode setting data)
- Channel scan data

5.5.2. 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.

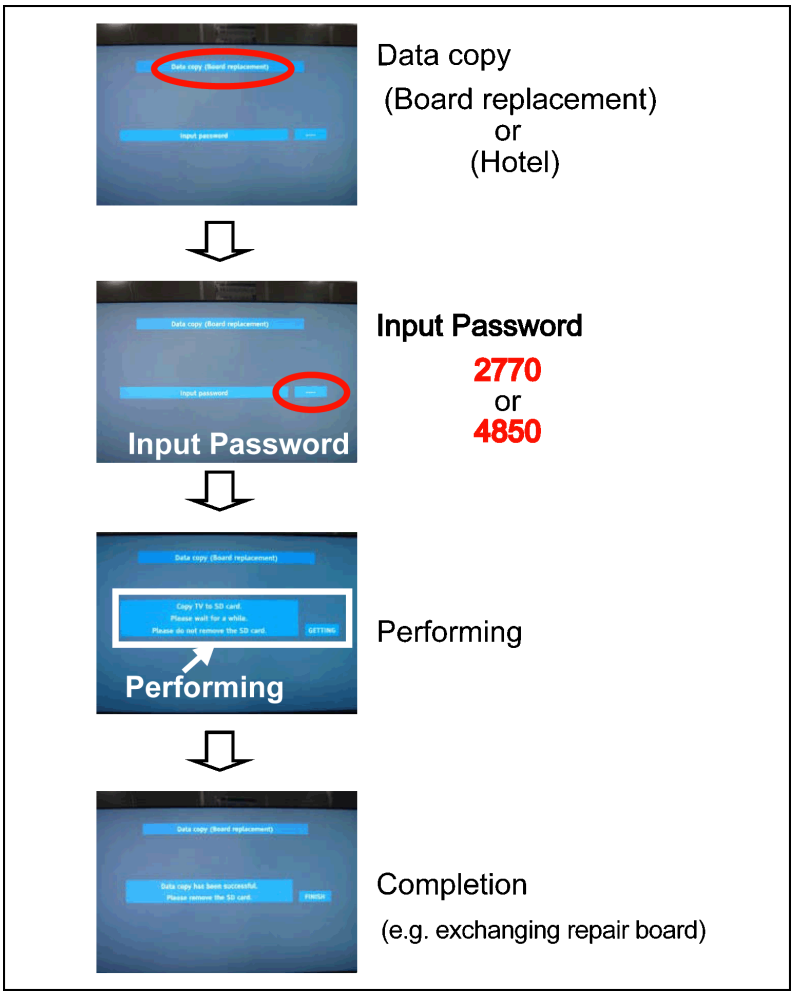
No any other file should not be in SD card.

5.5.3. 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

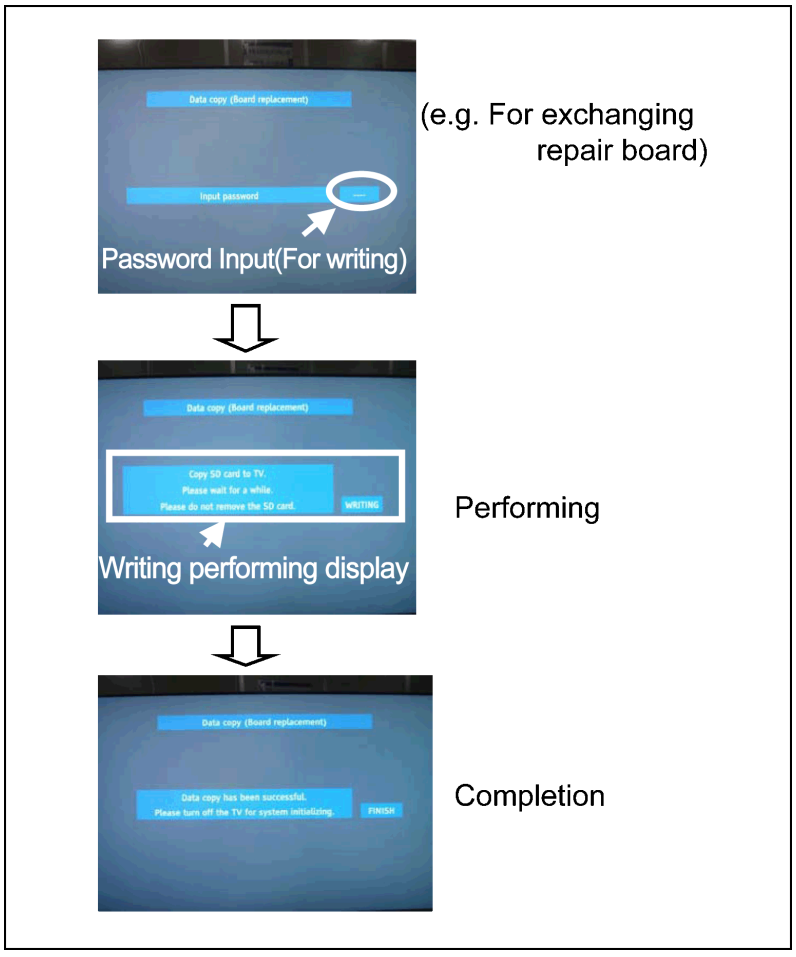


5.5.4. Data copy from SD Card to TV set

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.



6 Troubleshooting Guide

Use the self-check function to test the unit.

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

6.1. Check of the IIC bus lines

6.1.1. How to access

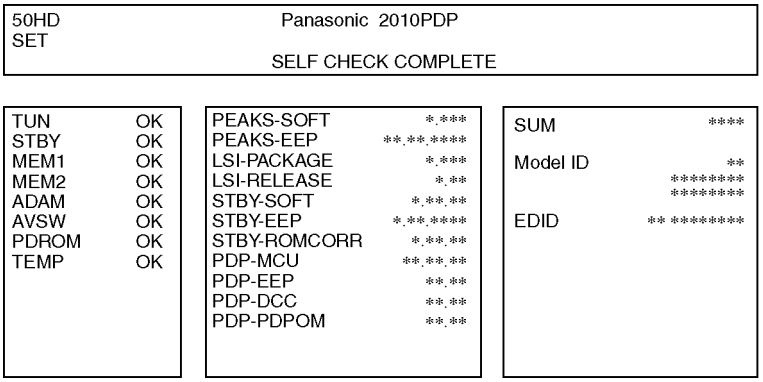
Self-check indication only:

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.

Self-check indication and forced to factory shipment setting:

Produce TV reception screen, and while pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

6.1.2. Screen display



6.1.3. Check Point

Confirm the following parts if NG was displayed.

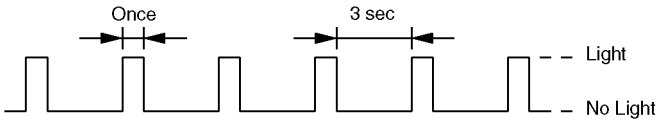
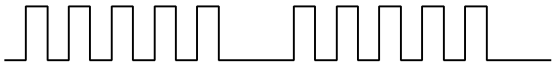
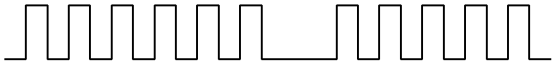
Display	Ref. No.	Description	P.C.B.
TUN	TU2901E	TUNER	A-Board
STBY	IC8001	STB MPU (PEAKS-sLD)	A-Board
MEM1	IC1100	EEPROM (MPU)	A-Board
MEM2	IC8950	EEPROM (PEAKS-sLD)	A-Board
ADAM	IC8001	A-chip (PEAKS-sLD)	A-Board
AVSW	IC3000	Audio/Video SW	A-Board
PDROM	IC9300	PD4	A-Board
TEMP	IC1000	Temp Sensor	A-Board

6.1.4. Exit

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

6.2. 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	Blinking timing	Contents	Check point
1		Unknown SOS	-
		Panel information SOS PD4 Start SOS	-
2		15V SOS	A-Board P-Board
3		3.3V SOS	A-Board
4		Power SOS	P-Board
5		5V SOS	A-Board
6		Driver SOS1 (SC/SS Energy recovery circuit) (A-SC FPC DET)	SC-Board SS-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-Board
9		Discharge Control SOS	A-Board
10		Sub 5V SOS Sub 3.3V SOS Sub 9V SOS Tuner Power SOS	A-Board SC-Board SS-Board P-Board
12		Sound SOS	A-Board Speaker

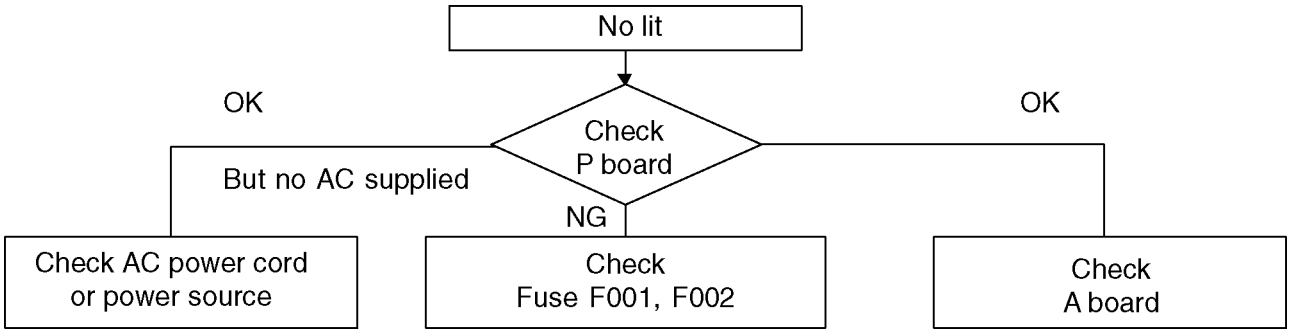
*Use SC jig to isolate the board.

6.3. No Power

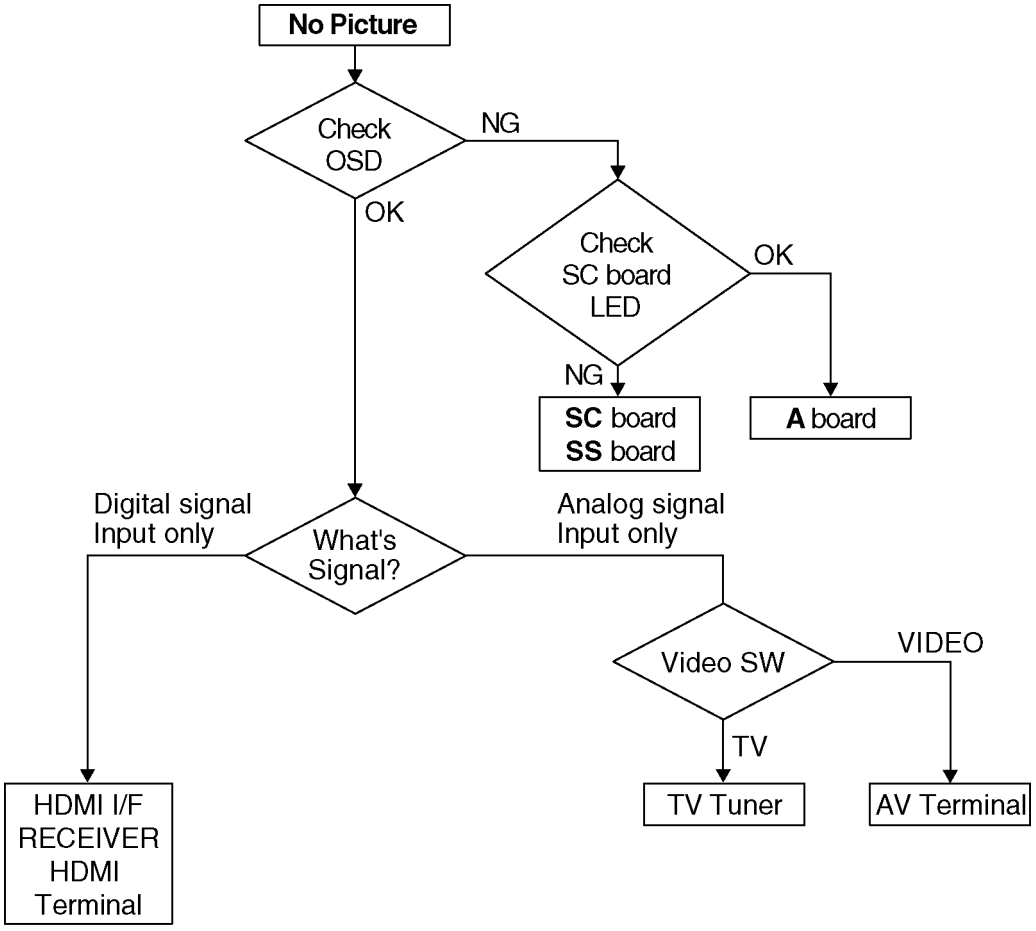
First check point

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

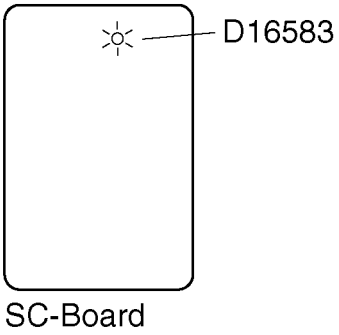
1. No lit
2. Green is lit then turns red blinking a few seconds later. (See 6.2.)
3. Only red is lit.



6.4. No Picture

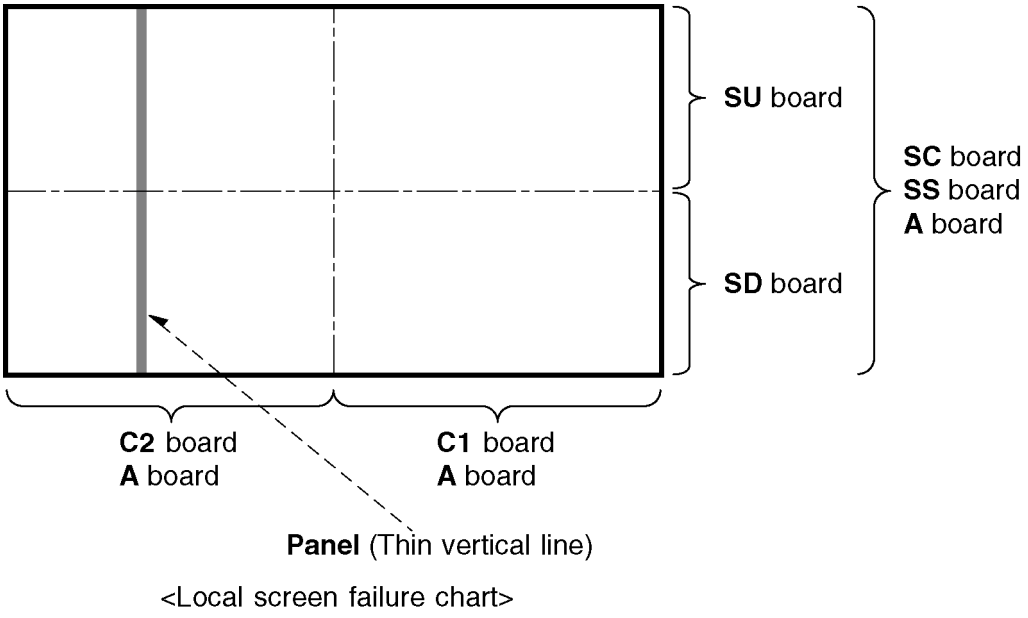


Drive circuits LED indicator



6.5. 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.



<Local screen failure chart>

Fig-1

7 Service Fixture & Tools

7.1. 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:

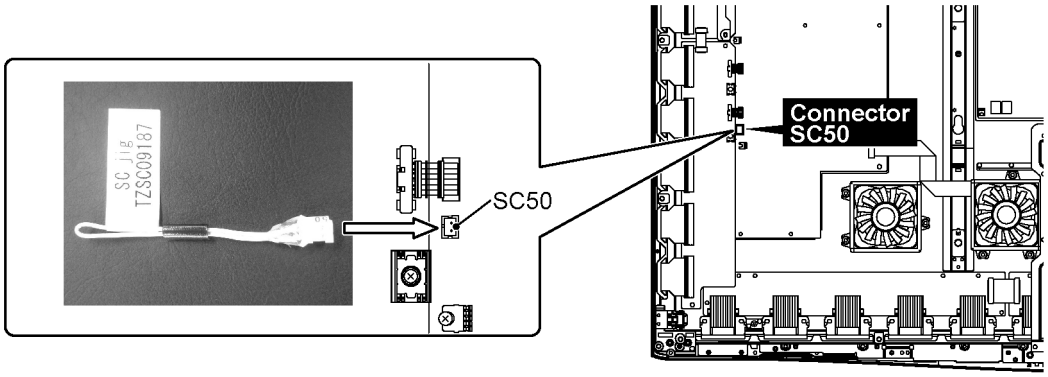
TZSC09187

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 2010 Plasma TV and Plasma Display.



8 Disassembly and Assembly Instructions

8.1. Remove the Rear cover

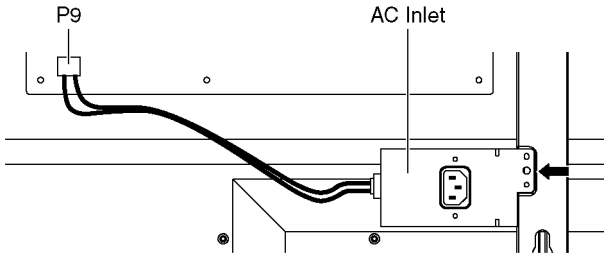
1. See PCB Layout (Section 3)

8.2. 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 screw (×1 ➡) and remove the AC inlet.

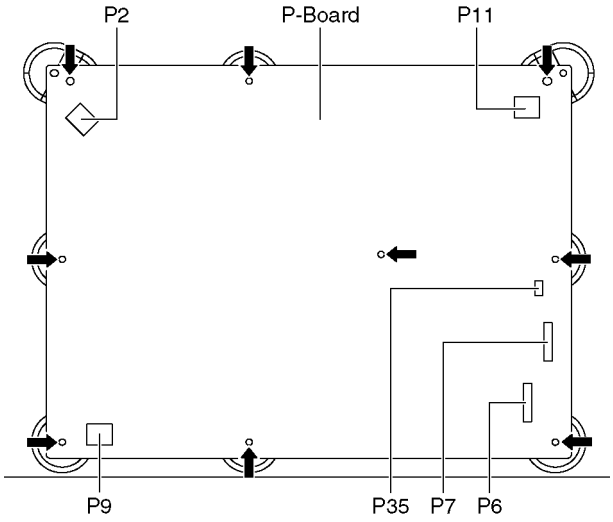


8.3. Remove the P-Board

Caution:

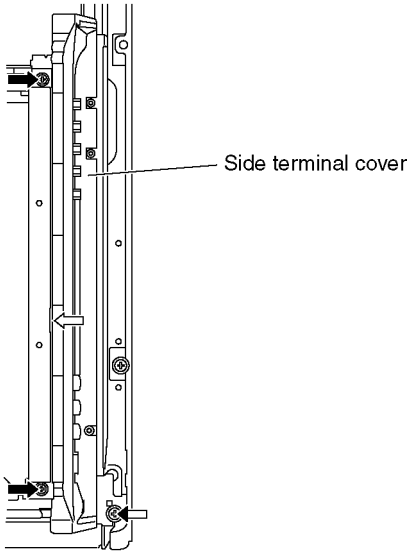
To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable
2. Disconnect the connectors (P2, P6, P7, P9, P11 and P35).
3. Remove the screws (×9 ➡) and remove the P-Board.

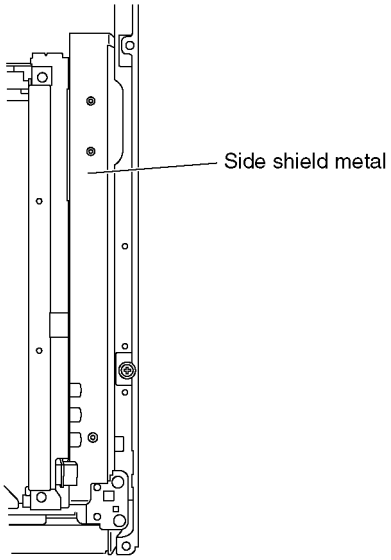


8.4. Remove the Side terminal cover and the Side shield metal

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

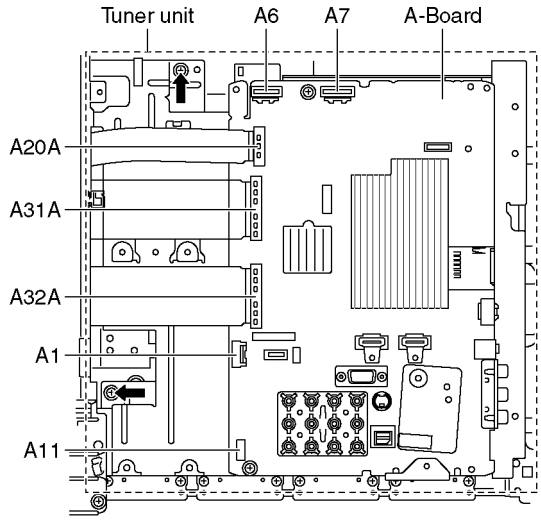


3. Remove the Side shield metal.



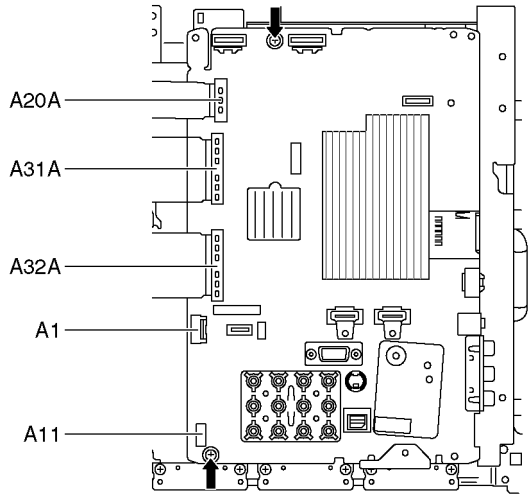
8.5. Remove the Tuner unit

1. Remove the Side terminal cover and the Side shield metal. (See section 8.4.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connectors (A1, A6, A7 and A11).
4. Disconnect the flexible cables (A20A, A31A and A32A).
5. Remove the screws (×2 ➡) and remove the Tuner unit.



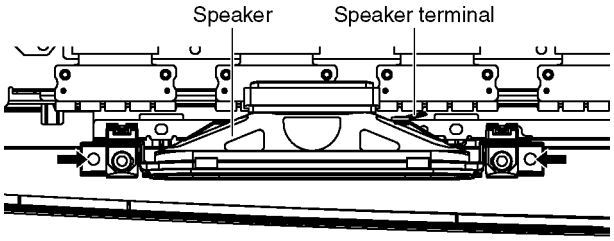
8.6. Remove the A-Board

1. Remove the Tuner unit. (See section 8.5.)
2. Remove the screws (×2 ➡) and remove the A-Board.



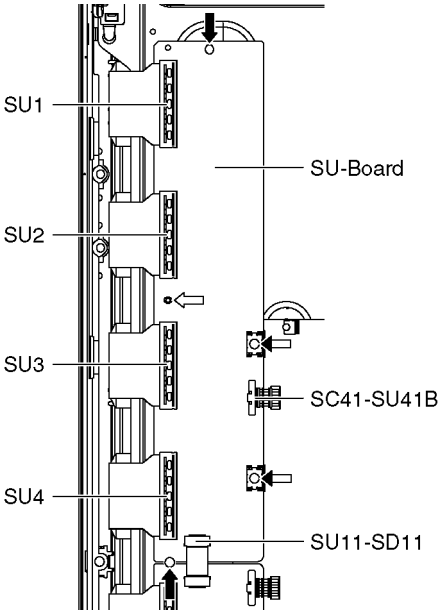
8.7. Remove the Speakers

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



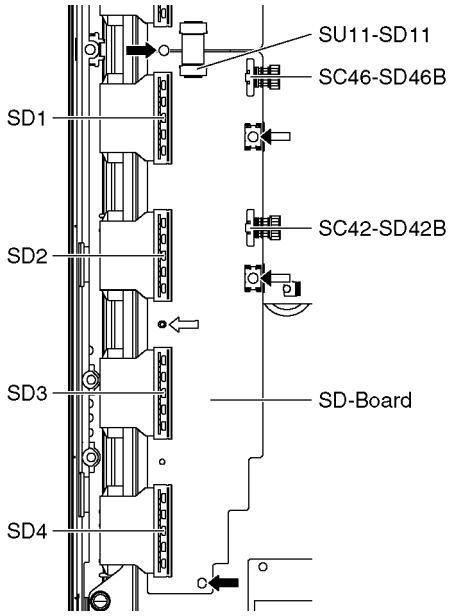
8.8. Remove the SU-Board

1. Remove the flexible cables (SU1, SU2, SU3 and SU4) connected to the SU-Board.
2. Remove the flexible cable (SU11-SD11) and the bridge connector (SC41-SU41B).
3. Remove the molding prop (×1 ⇨).
4. Remove the screws (×2 ➡, ×2 ➡) and remove the SU-Board.



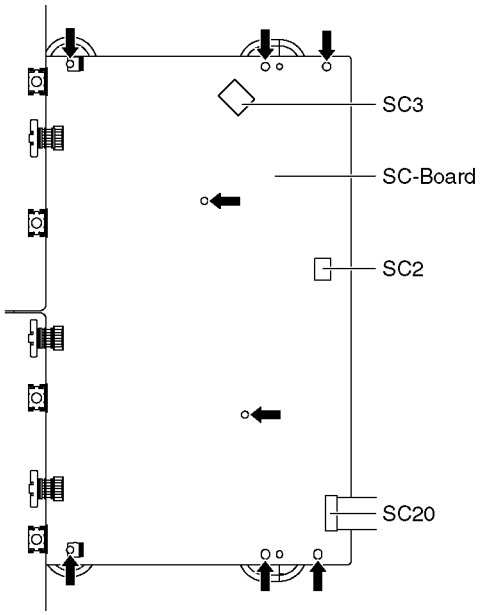
8.9. Remove the SD-Board

1. Remove the flexible cables (SD1, SD2, SD3 and SD4) connected to the SD-Board.
2. Remove the flexible cable (SU11-SD11) and the bridge connectors (SC42-SD42B and SC46-SD46B).
3. Remove the molding prop (×1 ⇨).
4. Remove the screws (×2 ➡, ×2 ➡) and remove the SD-Board.



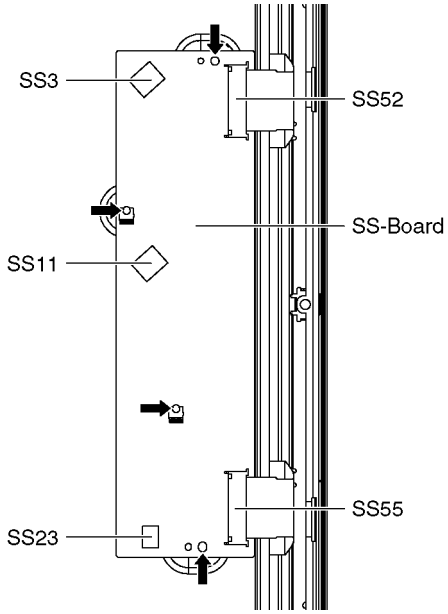
8.10. Remove the SC-Board

1. Remove the SU-Board and SD-Board. (See section 8.8. and 8.9.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connectors (SC2 and SC3).
4. Disconnect the flexible cable (SC20).
5. Remove the screws (×8 ➡) and remove the SC-Board.



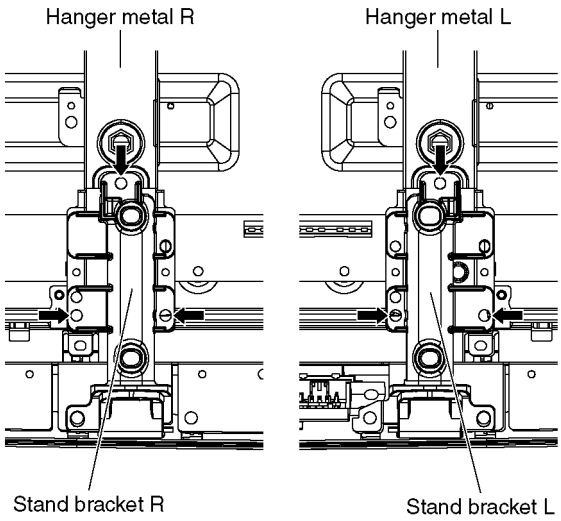
8.11. Remove the SS-Board

1. Remove the Tuner unit. (See section 8.5.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connectors (SS3, SS11 and SS23).
4. Disconnect the flexible cables (SS52 and SS55).
5. Remove the screws (×4 ➡) and remove the SS-Board.

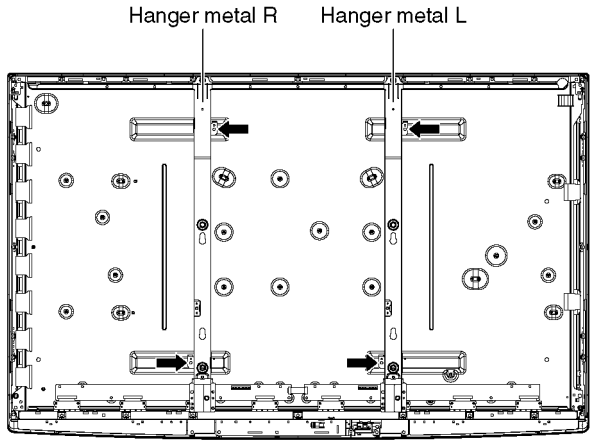


8.12. Remove the Hanger metals and the Stand brackets

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 Stand brackets (L, R) fastening screws (×3 ➡ each) and the Stand brackets (L, R).

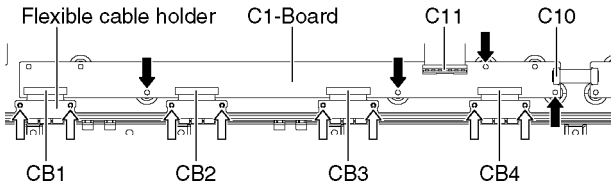


3. Remove the Hanger metals (L, R) fastening screws (×2 ➡ each) and remove the Hanger metals (L, R).



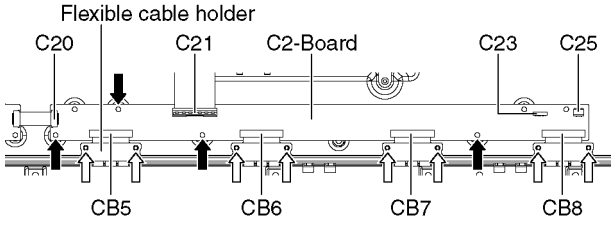
8.13. Remove the C1-Board

1. Remove the Hanger metal R and the Stand bracket R. (See section 8.12.)
2. Remove the flexible cable holder fastening screws (×8 ⇨).
3. Disconnect the flexible cables (CB1, CB2, CB3 and CB4).
4. Disconnect the flexible cables (C10 and C11).
5. Remove the screws (×4 ➡) and remove the C1-Board.



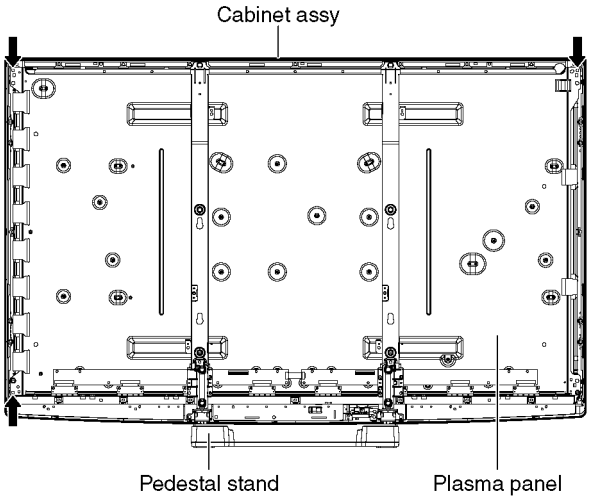
8.14. Remove the C2-Board

1. Remove the Tuner unit. (See section 8.5.)
2. Remove the Hanger metal L and the Stand bracket L. (See section 8.12.)
3. Remove the flexible cable holder fastening screws (×8 ⇨).
4. Disconnect the flexible cables (CB5, CB6, CB7 and CB8).
5. Disconnect the flexible cables (C20 and C21).
6. Disconnect the connectors (C23 and C25).
7. Remove the screws (×4 ➡) and remove the C2-Board.

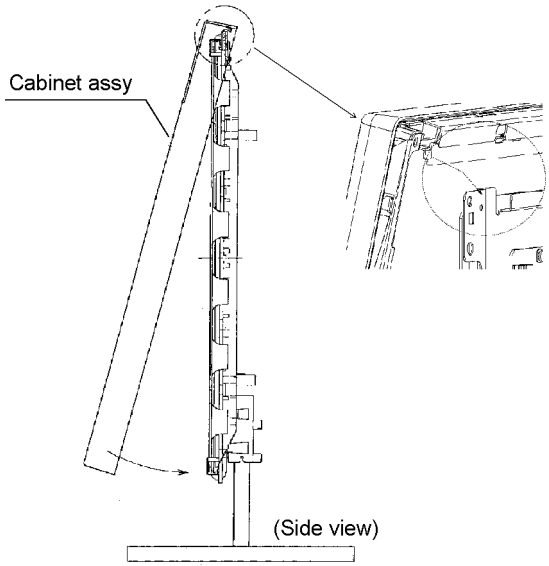


8.15. Remove the Plasma panel section from the Cabinet assy (glass)

1. Remove the plasma panel fastening screws (×3 ➡) and remove the cabinet assy.

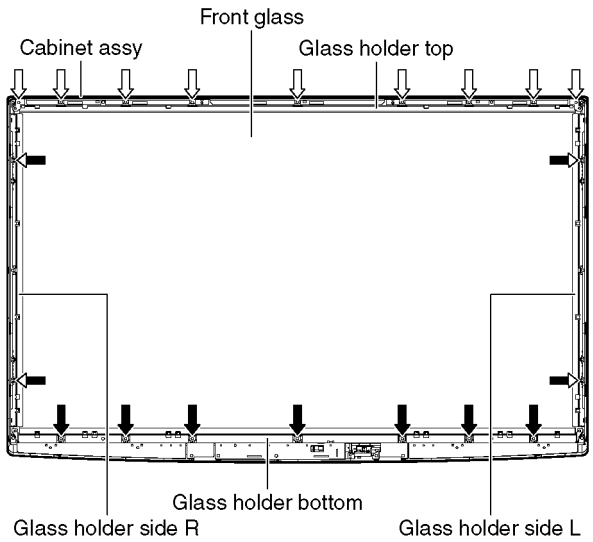


2. For leaving the cabinet assy from the plasma panel, pull the bottom of the cabinet assy forward, lift, and remove.



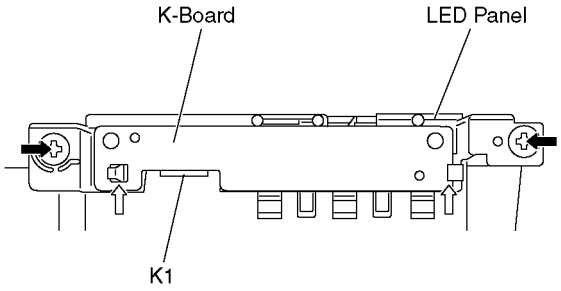
8.16. Remove the Glass holders

1. Remove the Cabinet assy. (See section 8.15.)
2. Remove the screws (×4 ➡).
3. Remove the Glass holder side (L, R).
4. Remove the screws (×9 ⇨).
5. Remove the Glass holder top.
6. Remove the screws (×7 ➡).
7. Remove the Glass holder bottom.



8.17. Remove the K-Board

1. Remove the Glass holders. (See section 8.16.)
2. Remove the screw (×1 ➡).
3. Remove the claws (×2 ⇨).
4. Disconnect the connector (K1) and Remove the K-Board from LED Panel.



8.18. Replace the plasma panel

Caution:

A new plasma panel itself without Hanger metals is fragile.

To avoid the damage to new plasma panel, carry a new plasma panel taking hold of the Hanger metals after assembling the Hanger metals and the Stand brackets.

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; Attach the C1-Board and the C2-Board, connect the flexible cables from the plasma panel to the C1-Board and the C2-Board, and fit the flexible cable holders.
3. Attach the Hanger metals and the Stand brackets to the new plasma panel.
4. Place the plasma panel on the servicing stand taking hold of the Hanger metals.
5. Attach the cabinet assy and each P.C.Board and so on, to the new plasma panel.

***When fitting the cabinet assy, be careful not to allow any debris, dust or handling residue to remain between the front glass and plasma panel.**

9 Measurements and Adjustments

9.1. Adjustment

9.1.1. Vsus selection

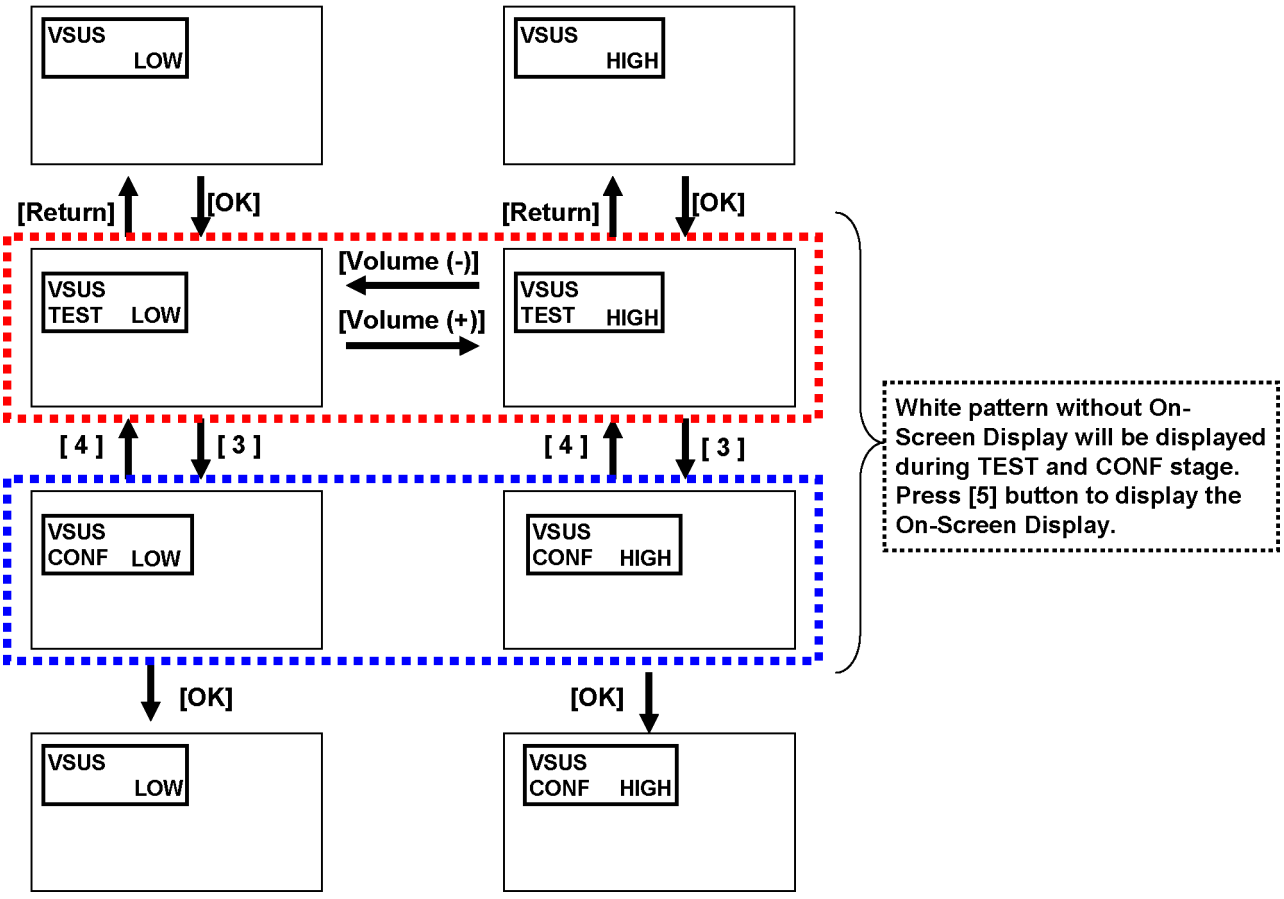
Caution:

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

Procedure

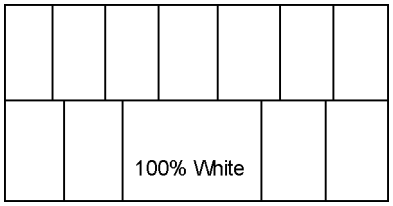
1. Go into main item [VSUS] in Service Mode. LOW or HIGH will be displayed.
2. Press [OK] button to go to TEST stage.
   White pattern without On-Screen Display will be displayed during TEST and CONF stage. Press [5] button to display the On-Screen Display.
3. Press [VOL (-)] button to set to LOW.
4. 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



9.1.2. Sub-Contrast adjustment

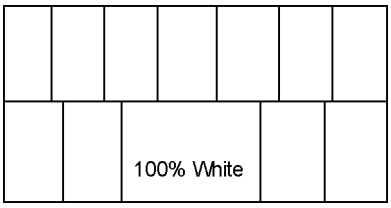
<table>
<tr><th>Name of measuring instrument</th><th>Connection</th><th>Remarks</th></tr>
<tr><td>RF generator
Base Band signal generator
HD signal generator</td><td></td><td></td></tr>
<tr><td colspan="2">Steps</td><td>Remarks</td></tr>
<tr><td colspan="2">Adjustment of TV (RF system)

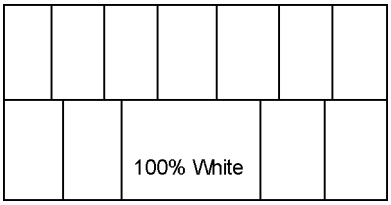
1. Receive a RF PAL 100% Full White or Split Colour bar shown as below.
 

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.
4. End.</td><td>Note:
Sub-contrast adjustment is unadjusted for AV/ HD input.
But, when needing the adjustment chosen manually, please refer to [alternative method].</td></tr>
</table>

Steps	Remarks
Another procedure 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. 4. End.	

Steps	Remarks
Another procedure Adjustment of HD system 1. At 1080i 100% Full White or Split colour bar receive component signal, as shown 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. 4. End.	

9.1.3. White balance adjustment

Name of measuring instrument	Connection	Remarks
W/ B pattern Color analyzer (Minolta CA-100 or equivalent)	Panel surface	

Steps	Remarks
• 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.	Picture menu : Dynamic ASPECT : 16:9

Adjustment	Remarks
1. Enter the service mode. Please receive the external signal. Or, please select CVBS/YUV (no sync). 2. A number key [1] or [2] are operated and [WB-ADJ] is displayed. Check that the color balance is [COOL]. 3. A number key [0] is operated and select [METHOD]. 4. A number key [5] is operated and [INNER PATTERN] is displayed.	METHOD=01 copy adjustments



INNER PATTERN

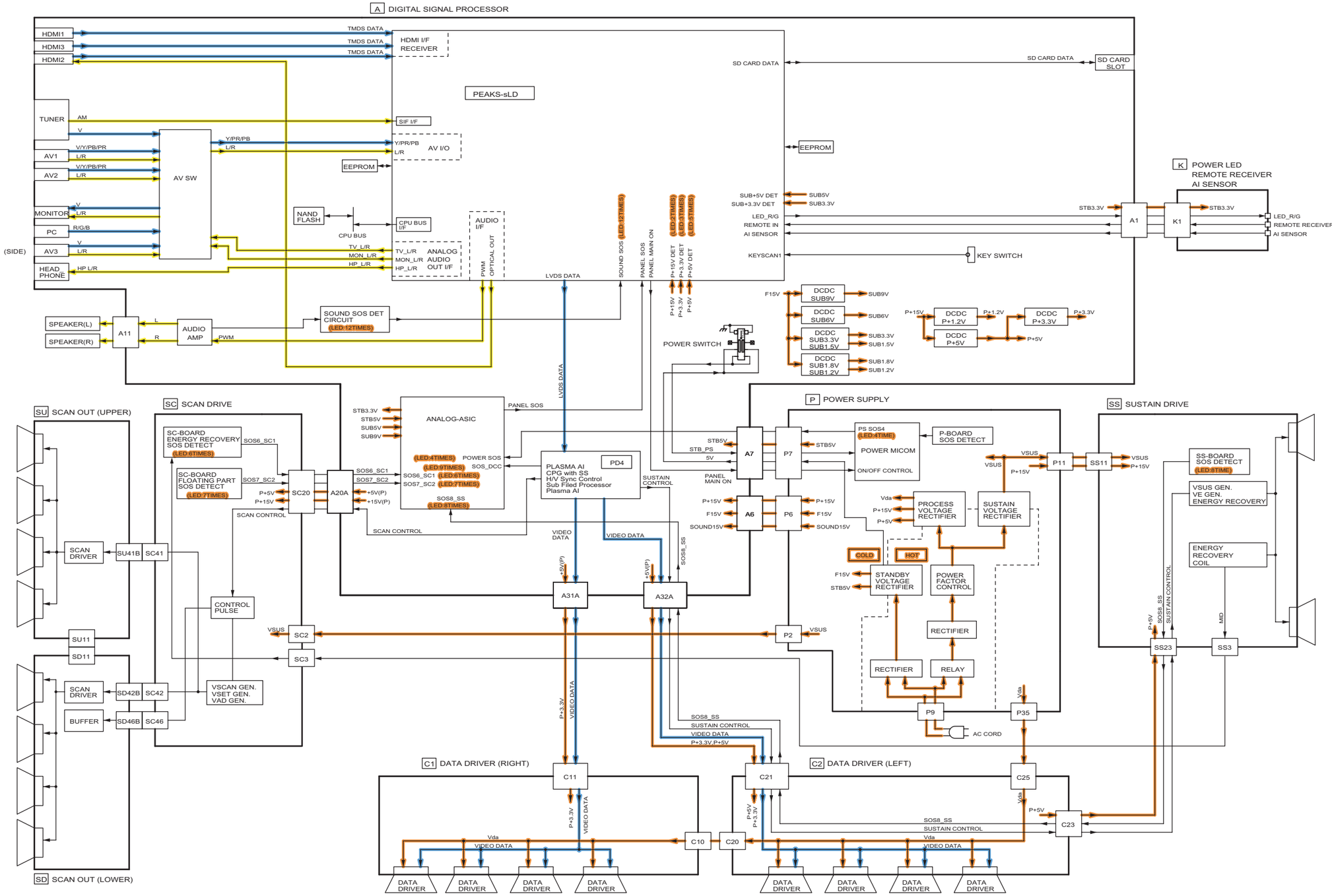
5. Select [G-CUTOFF] item, using the number-key [3] or [4], and set to [80], using the volume-key [+] or [-].
   Also, [B-CUTOFF] and [R-CUTOFF] set to [80]
6. Set [G-DRIVE] at [D0].
7. Touch the signal receiver of color analyzer to the INNER PATTERN's center, and adjust B drive and R drive so x, y become 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 balance 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's 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 balance 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's 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].)

Table 1, Color temp. target value

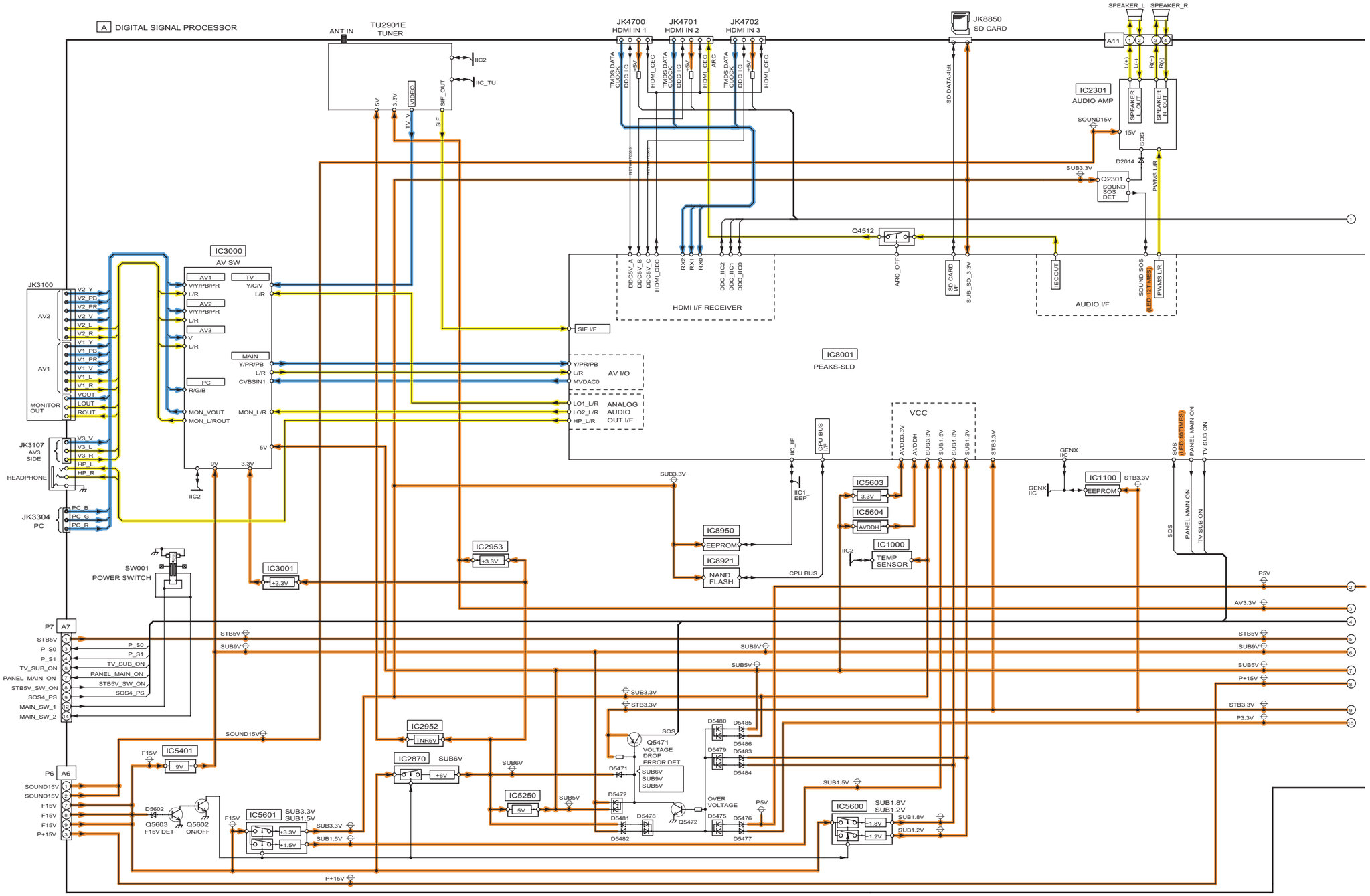
COLOR TEMP	x	y
COOL	0.280	0.288
NORMAL	0.292	0.302
WARM	0.313	0.328

10 Block Diagram

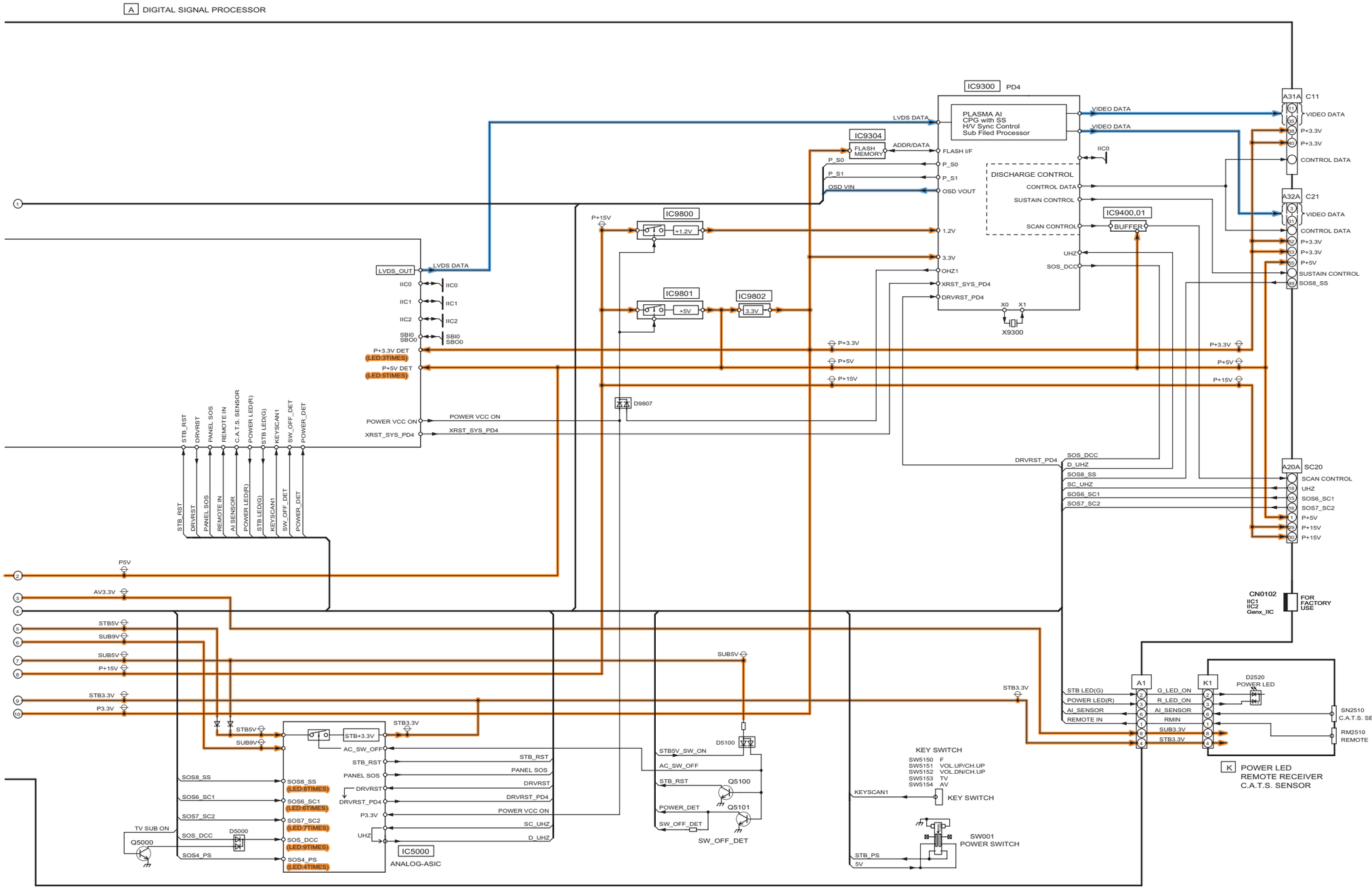
10.1. Main Block Diagram



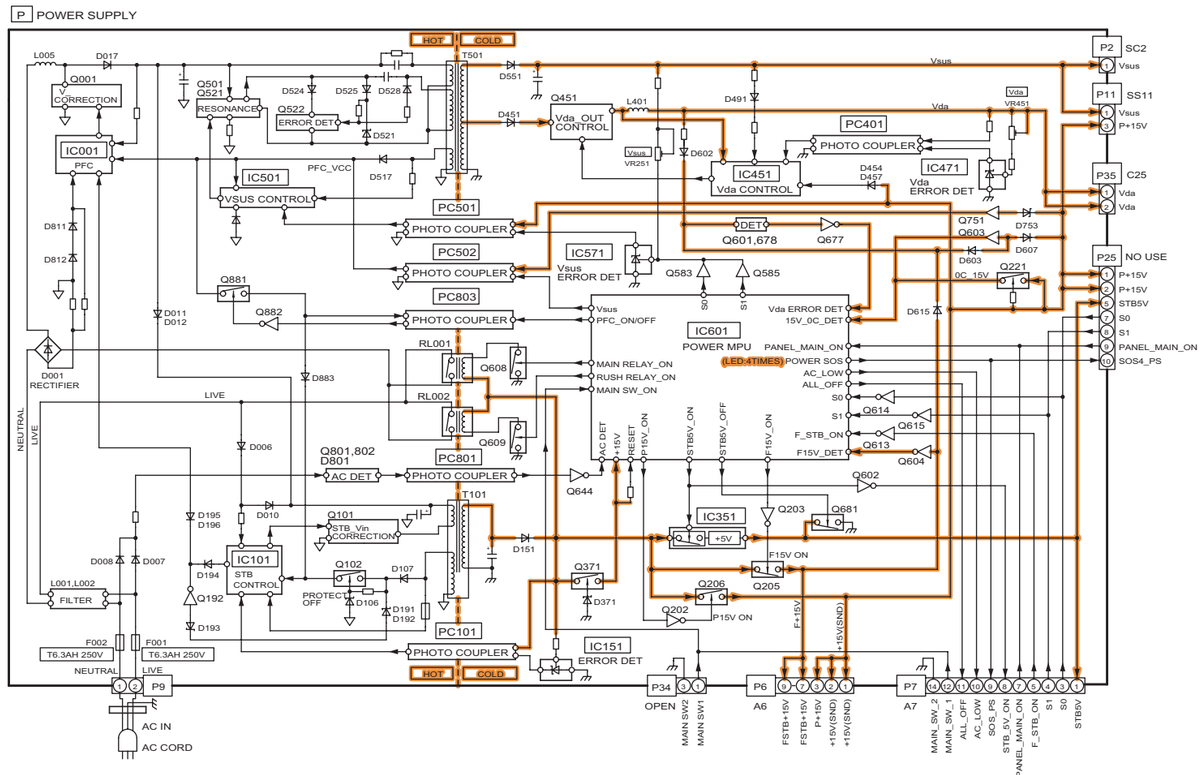
10.2. Block (1/4) Diagram



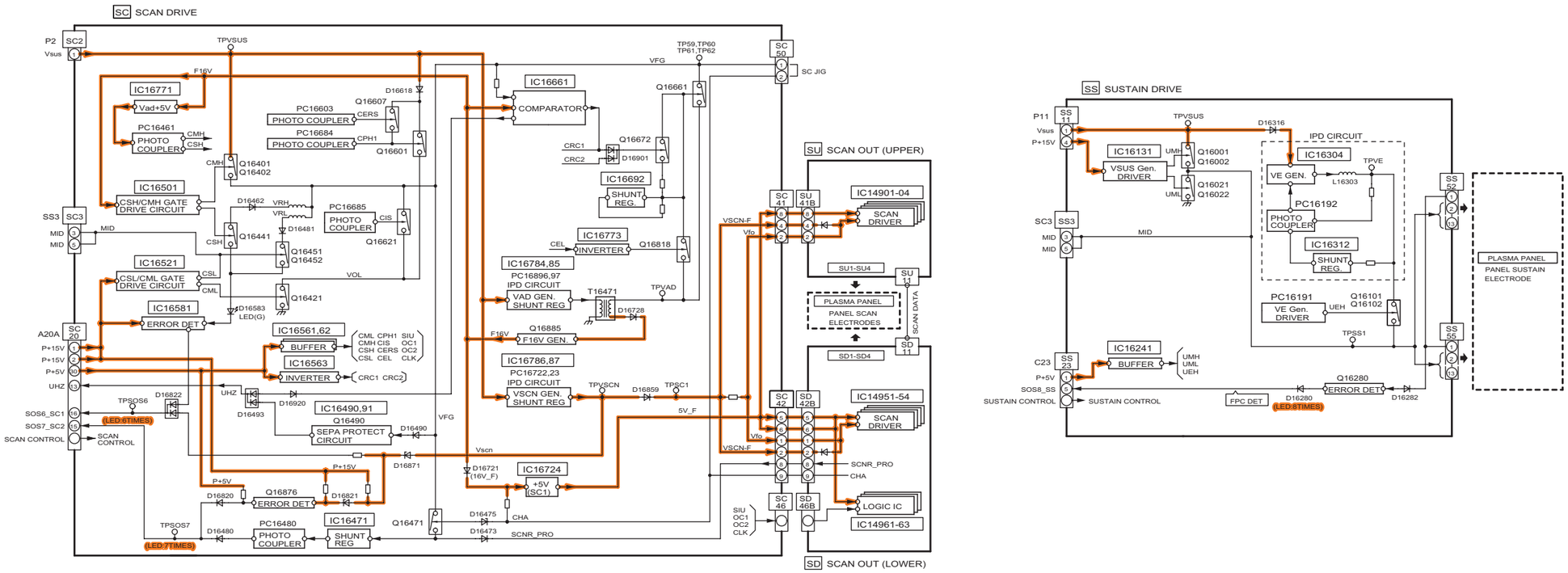
10.3. Block (2/4) Diagram

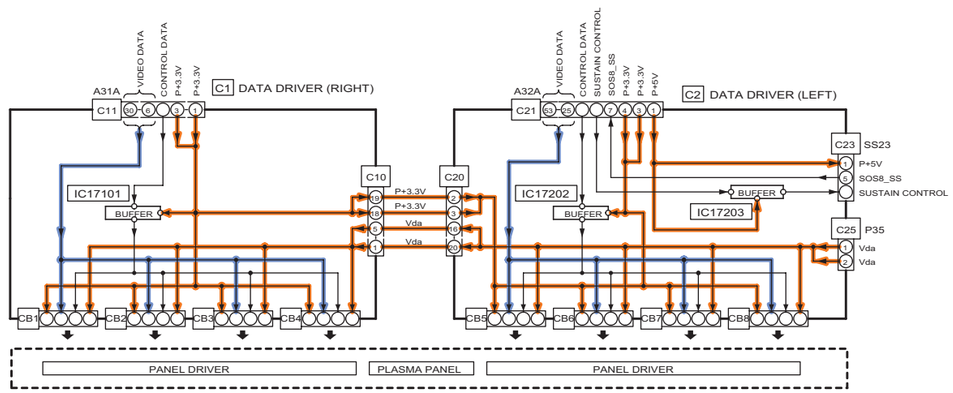


10.4. Block (3/4) Diagram



10.5. Block (4/4) Diagram





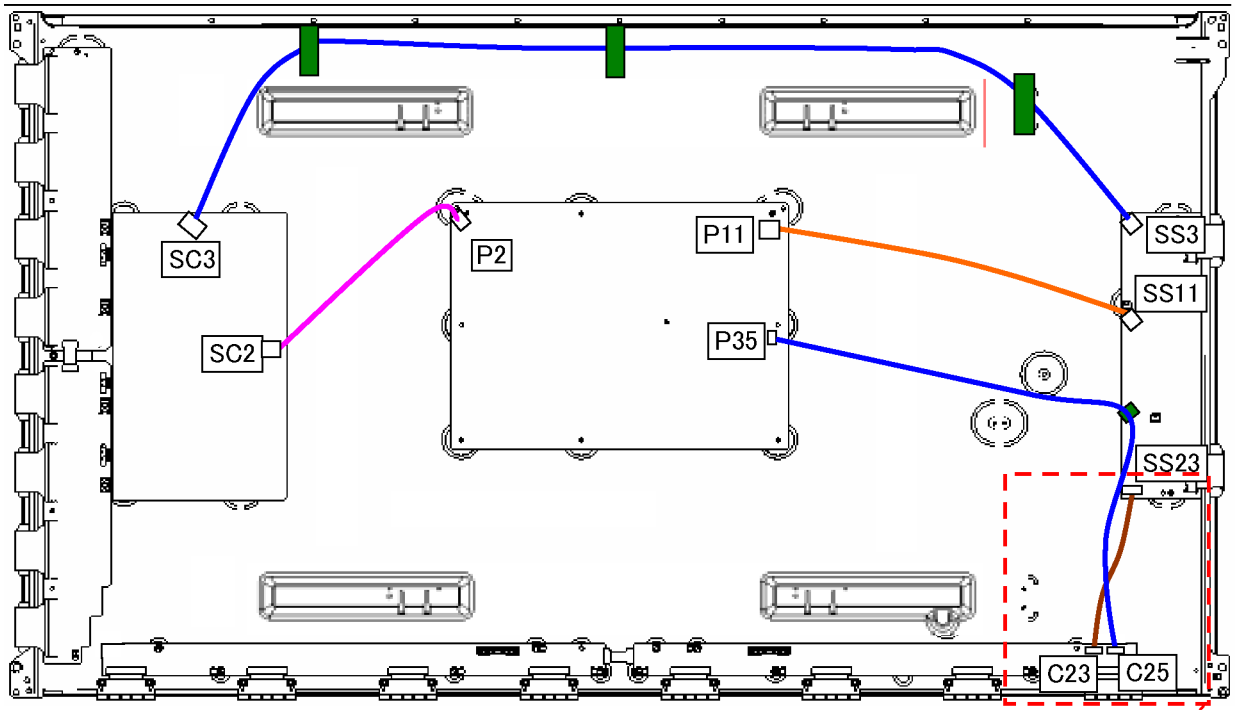
11 Wiring Connection Diagram

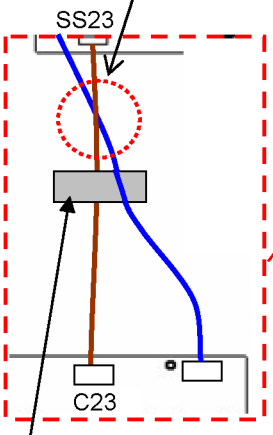
11.1. Caution statement.

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.

11.2. Wiring (1)

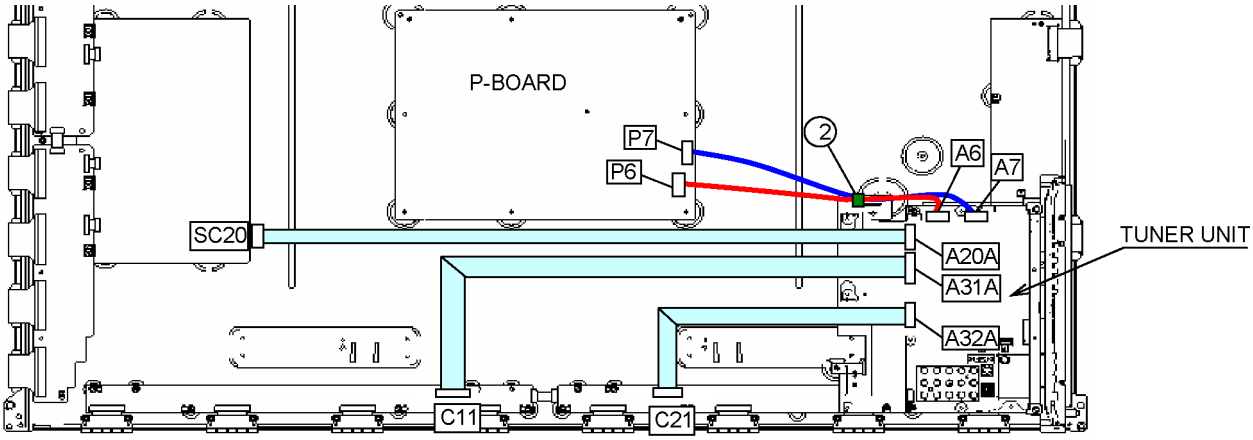




Fix the lead wire (SS23-C23) only to the PDP panel by FELT TAPE at the center of wire.
Reason: To avoid a contact with A-board fixing metal.

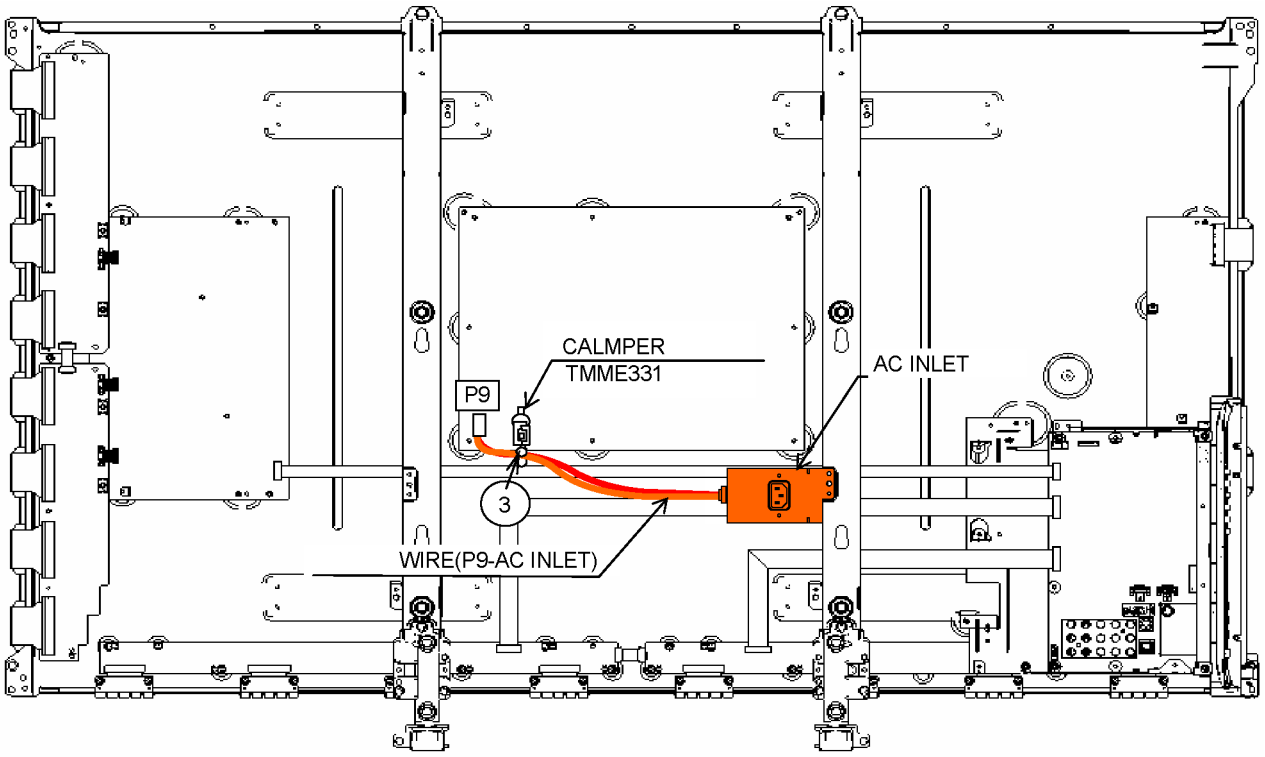
11.3. Wiring (2)

CONNECTOR	2
SC20-A20A	
C11-A31A	
C21-A32A	
A6-P6	○
A7-P7	○

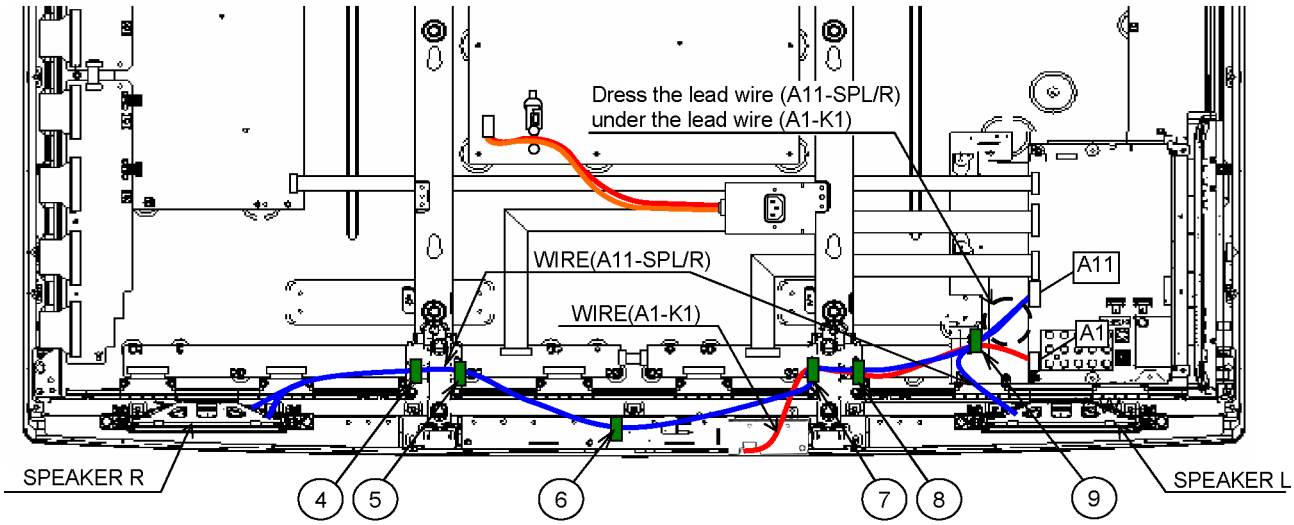


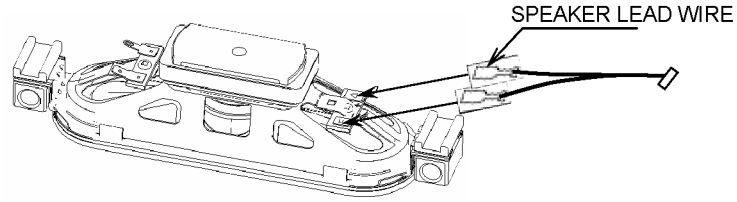
11.4. Wiring (3)

CONNECTOR	3			
P9-AC INLET	○			



11.5. Wiring (4)





CONNECTOR	4	5	6	7	8	9
A11-SP(R)	○	○	○	○	○	○
-SP(L)						○
A1-K1				○	○	○

12 Schematic Diagram

12.1. Schematic Diagram Note

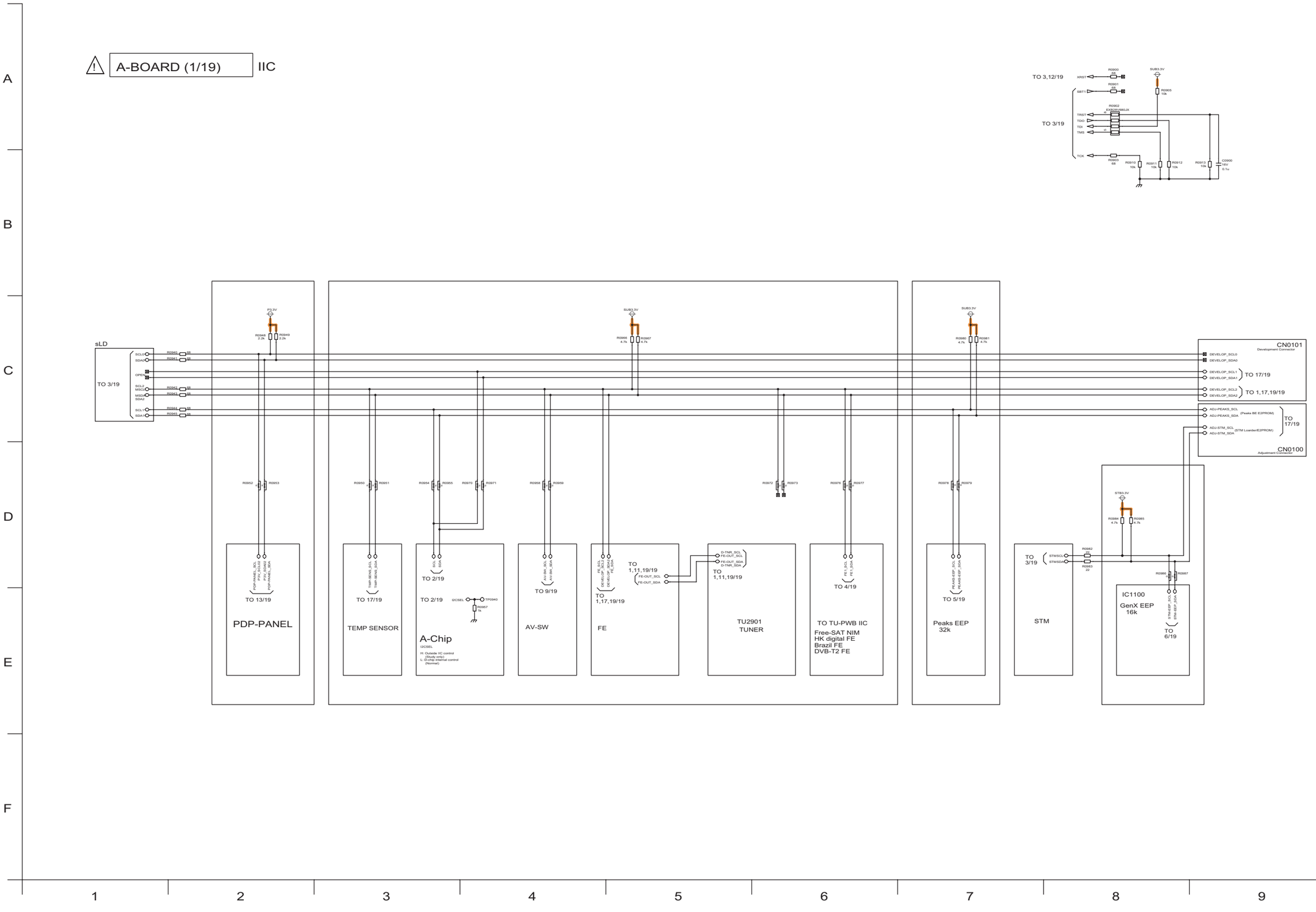
Notes:

1. **Resistor**
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
   Unit of capacitance is µF, 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 AC110-220V, 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.

Remarks:

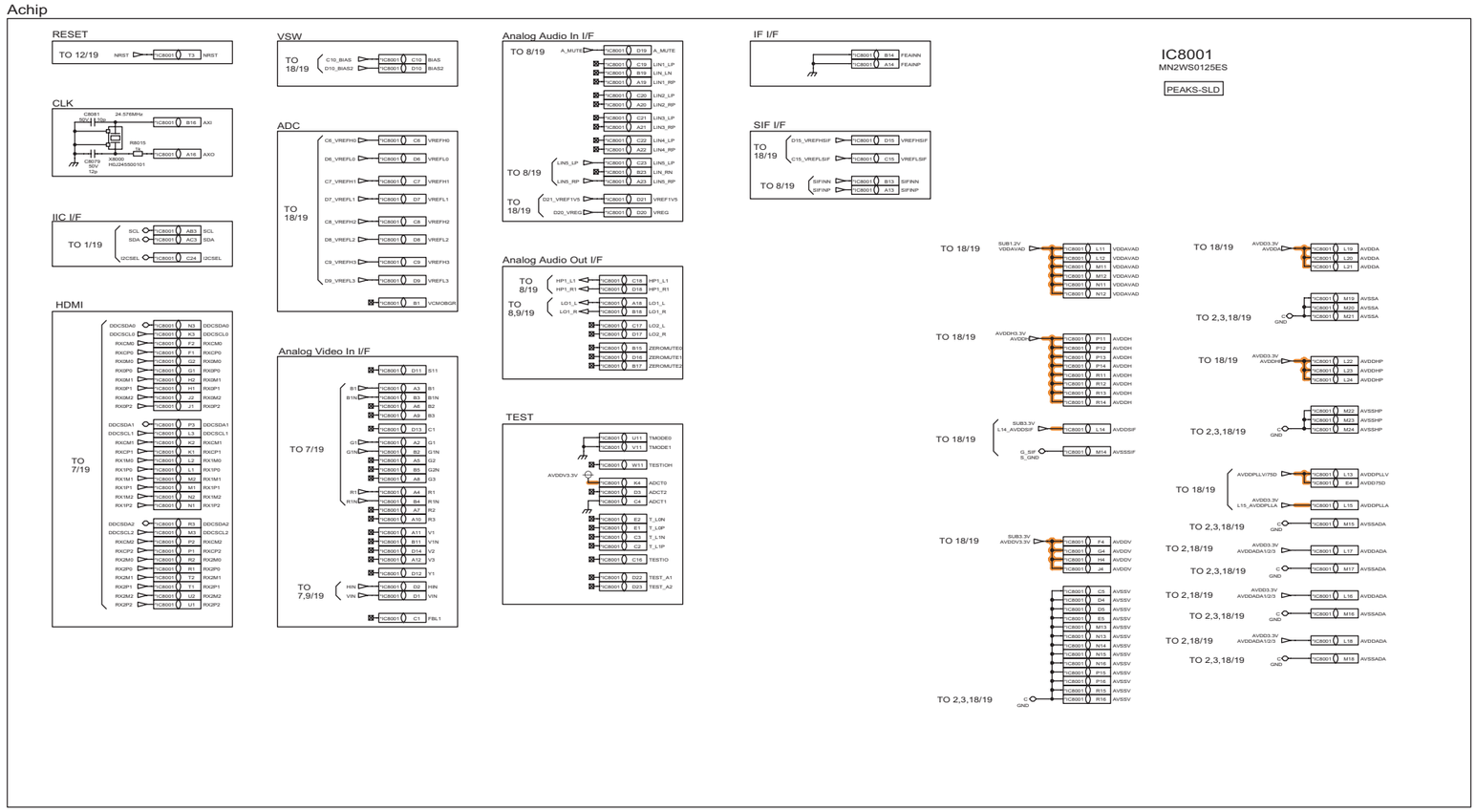
1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   a. Do 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.

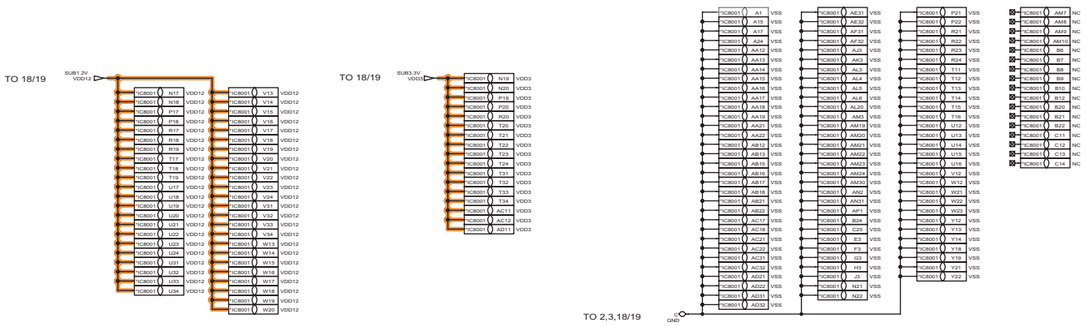
12.2. A-Board (1/19) Schematic Diagram



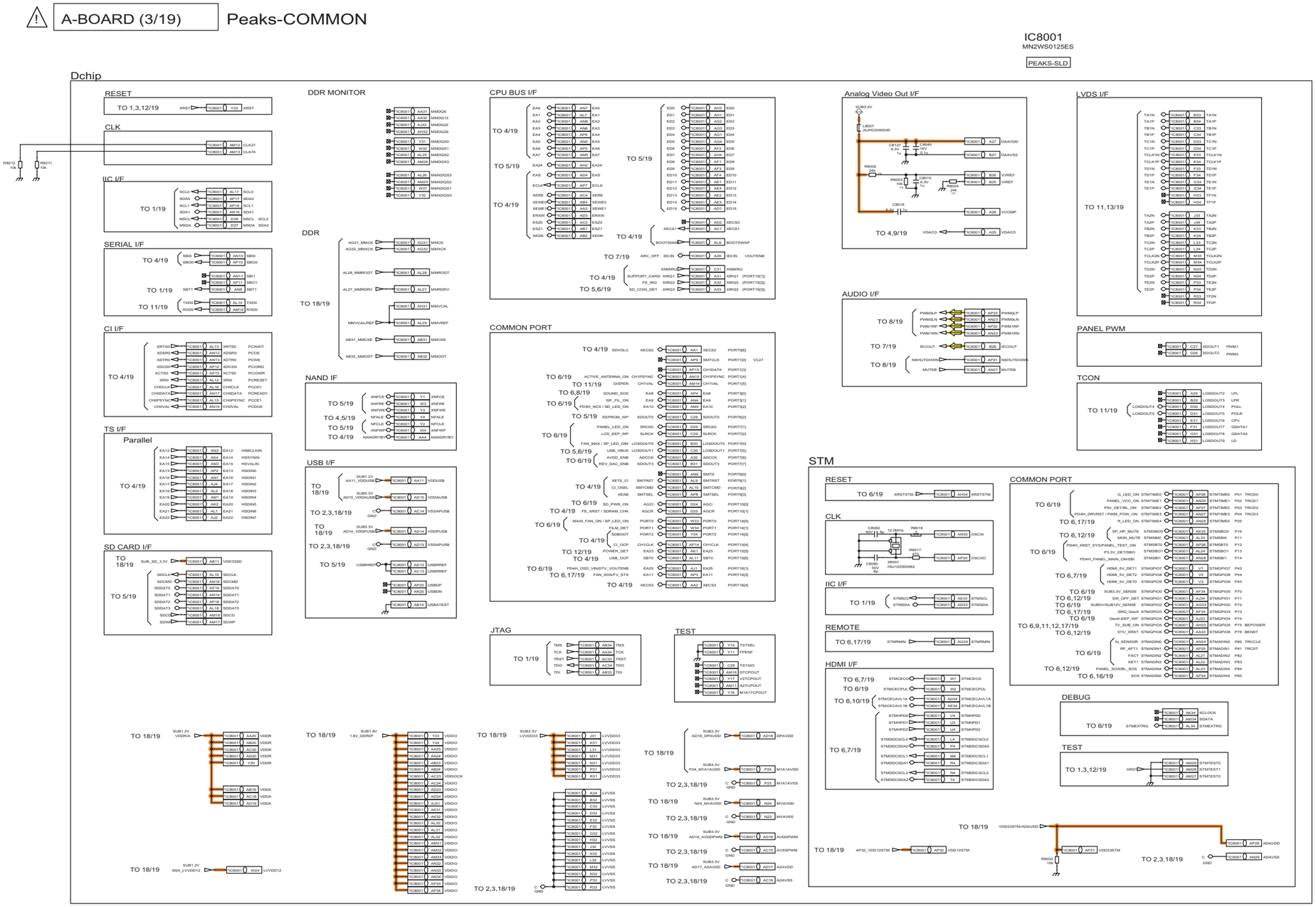
12.3. A-Board (2/19) Schematic Diagram

⚠ A-BOARD (2/19) Peaks-COMMON



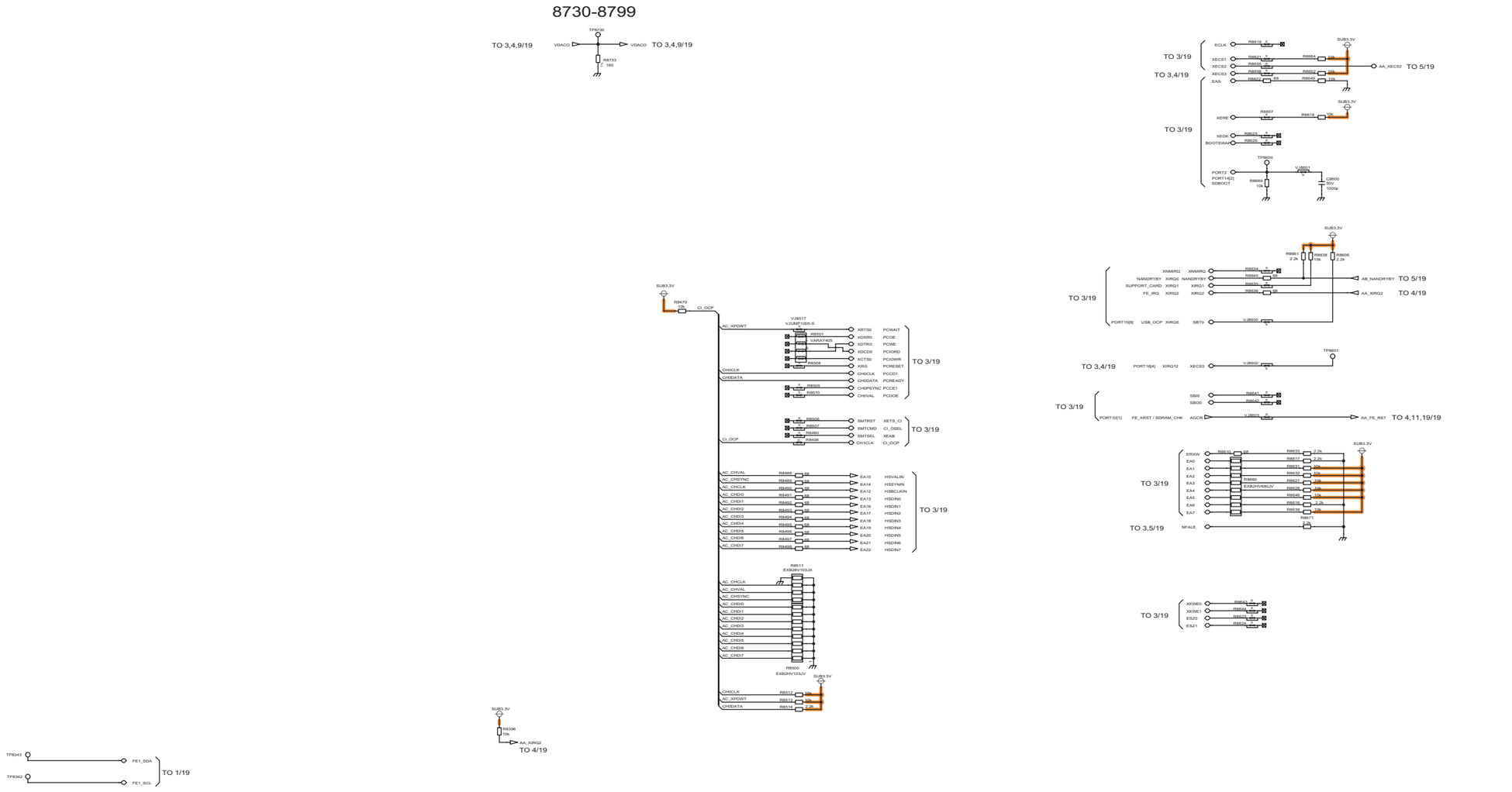


12.4. A-Board (3/19) Schematic Diagram



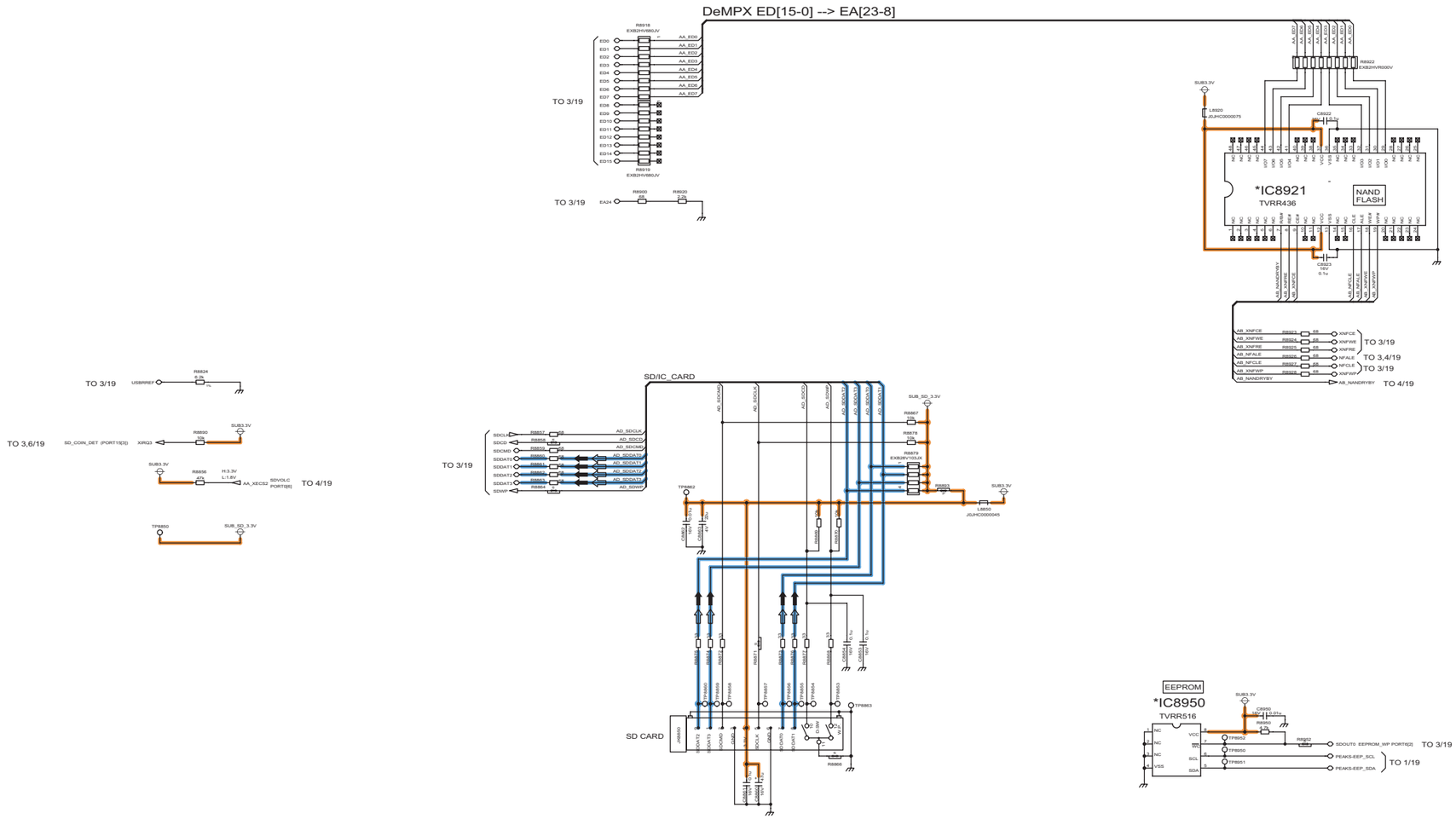
12.5. A-Board (4/19) Schematic Diagram

⚠ A-BOARD (4/19) Peaks-DEST

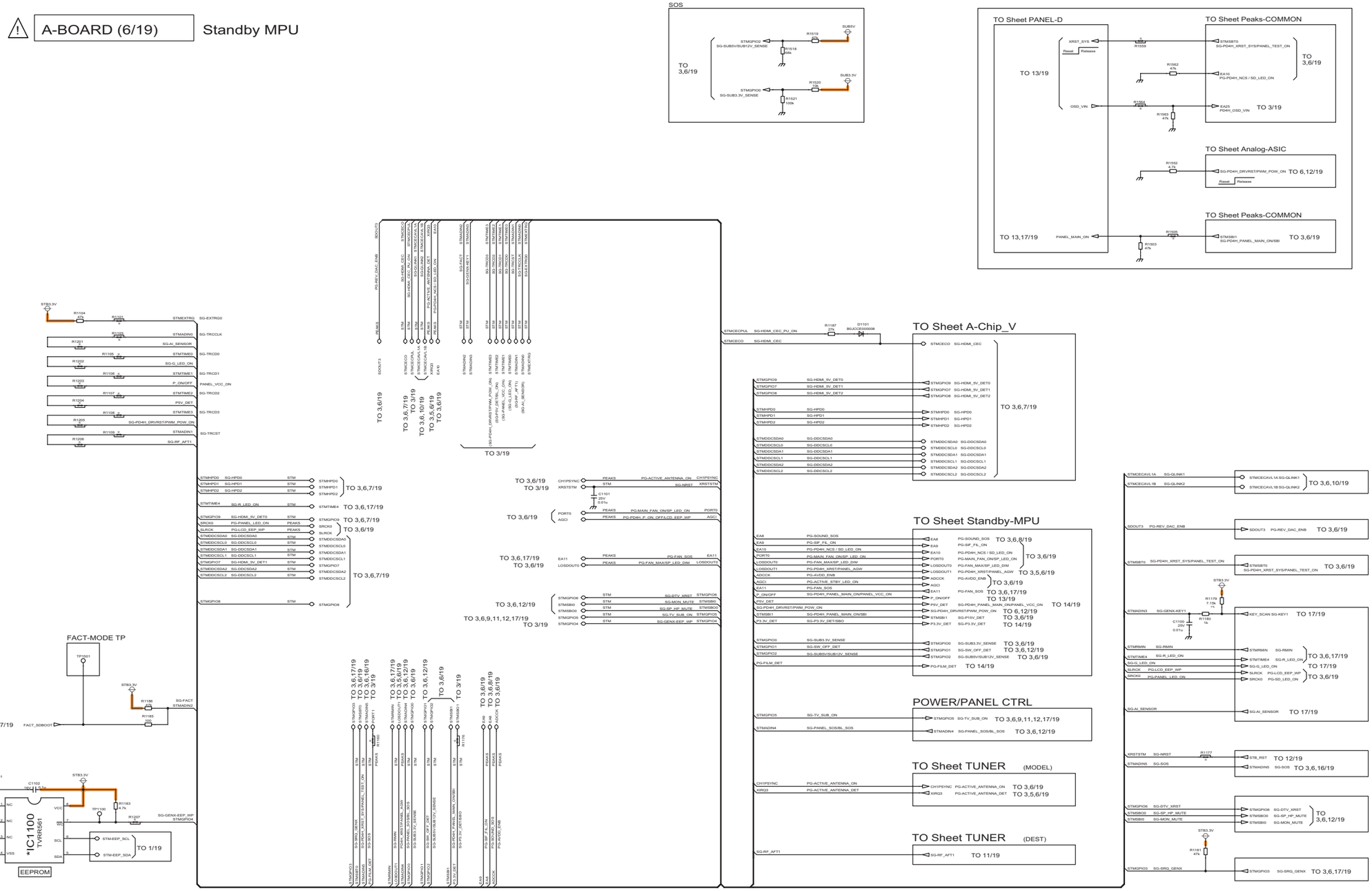


12.6. A-Board (5/19) Schematic Diagram

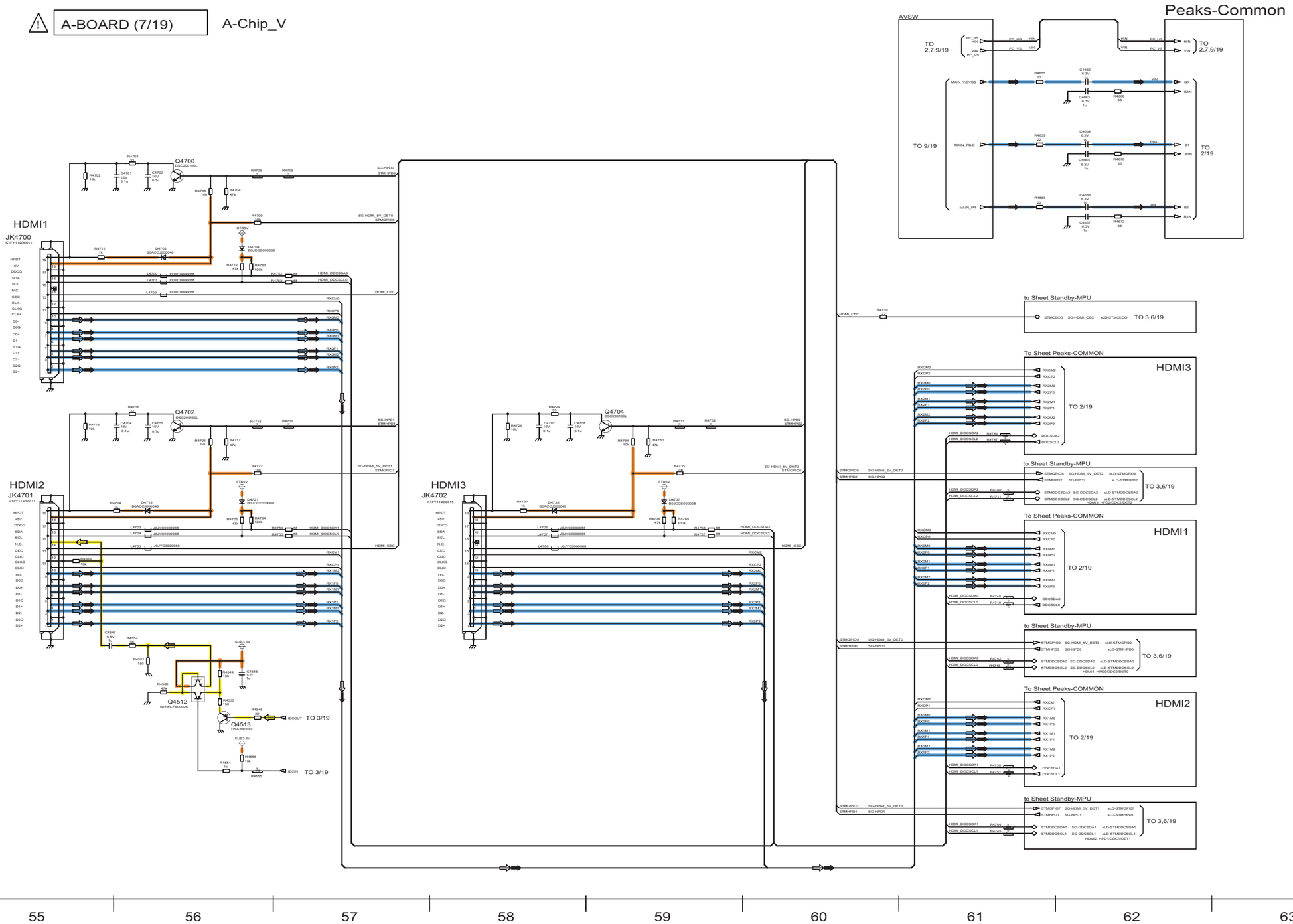
⚠ A-BOARD (5/19) Peaks-MODEL



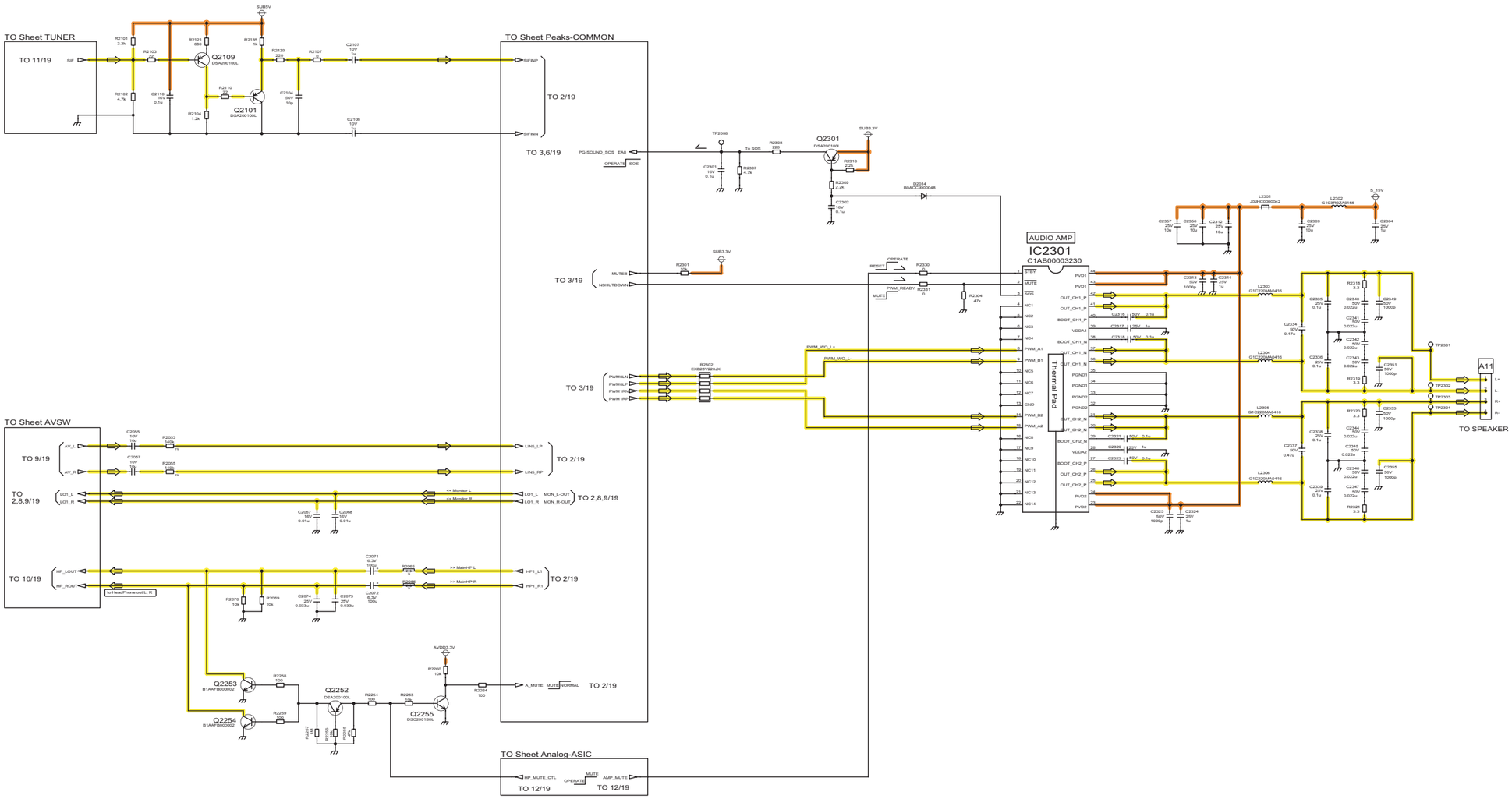
12.7. A-Board (6/19) Schematic Diagram



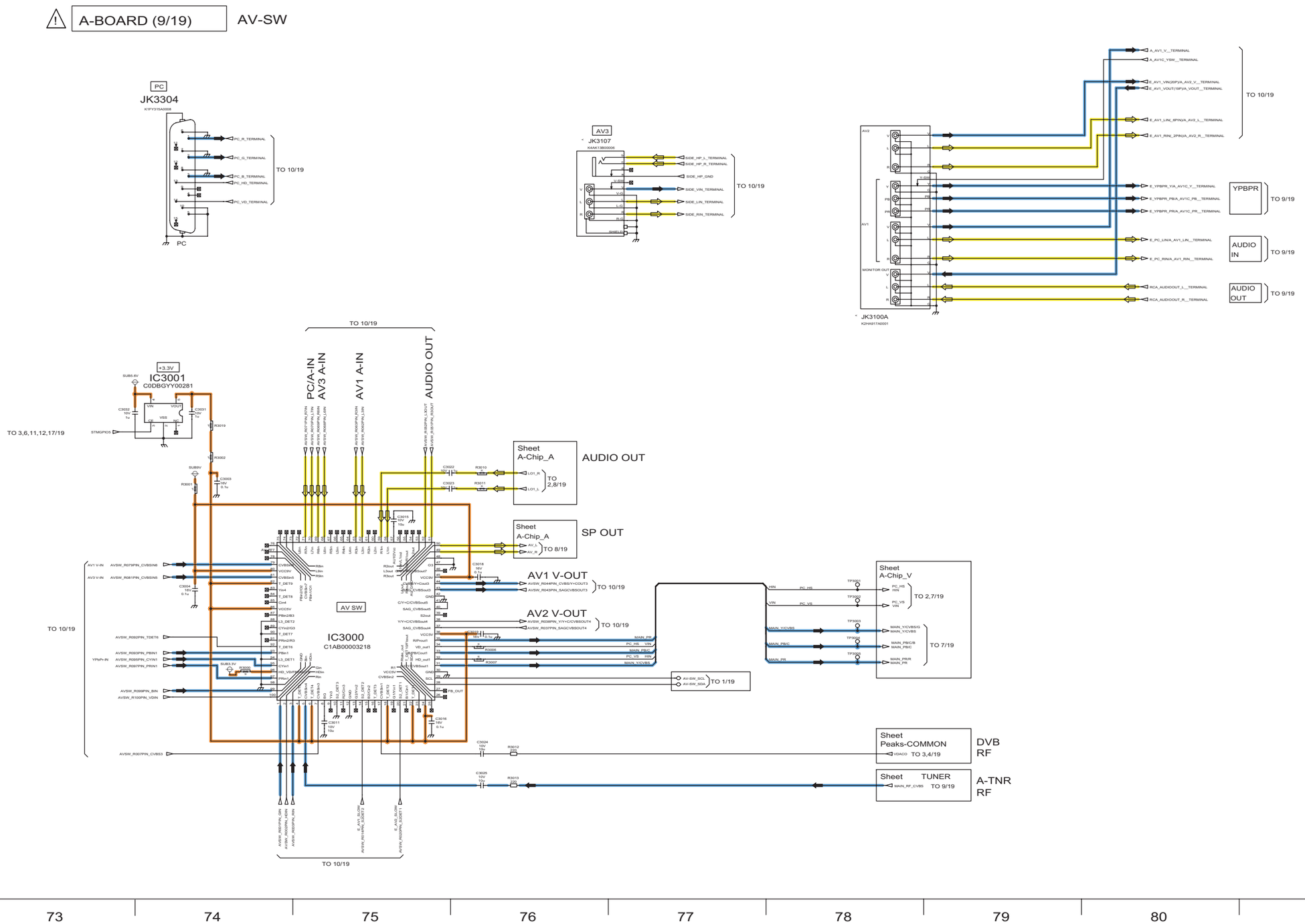
12.8. A-Board (7/19) Schematic Diagram



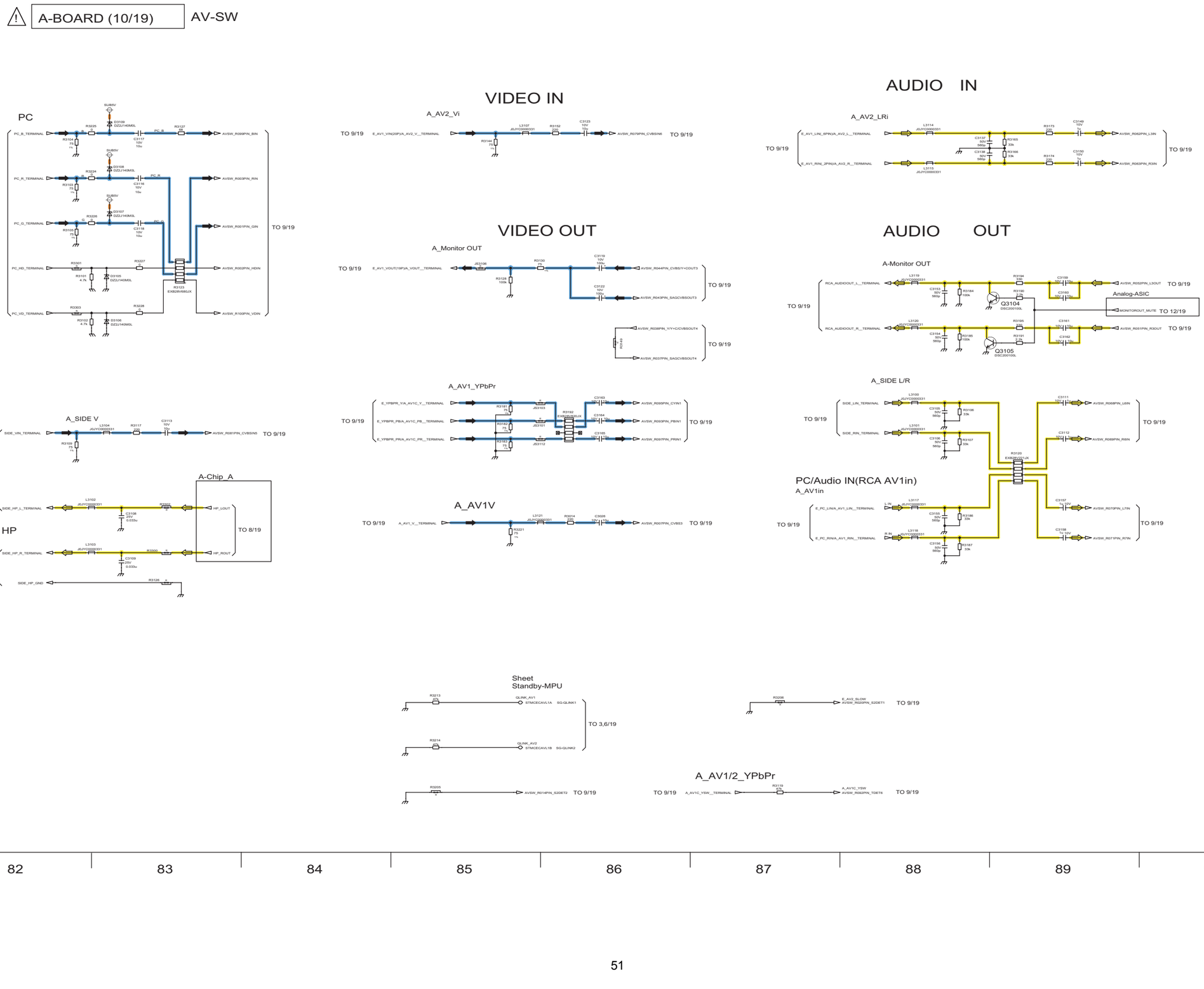
12.9. A-Board (8/19) Schematic Diagram



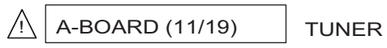
12.10. A-Board (9/19) Schematic Diagram

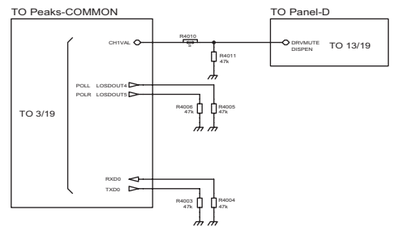


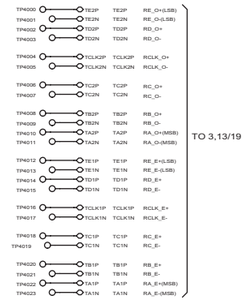
12.11. A-Board (10/19) Schematic Diagram

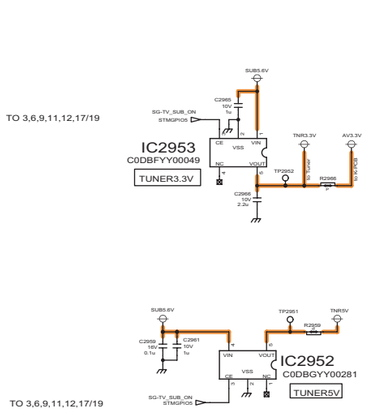


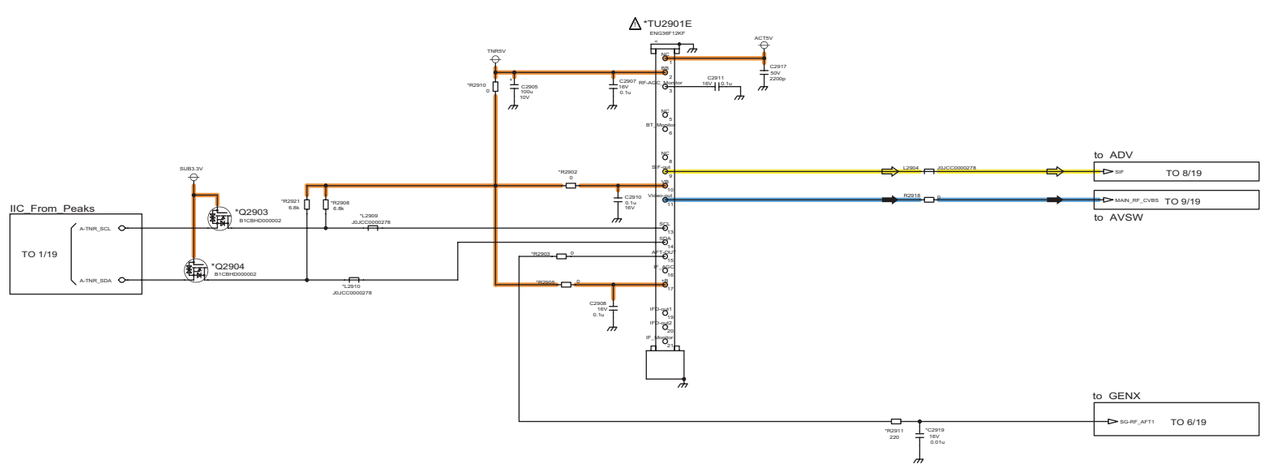
12.12. A-Board (11/19) Schematic Diagram







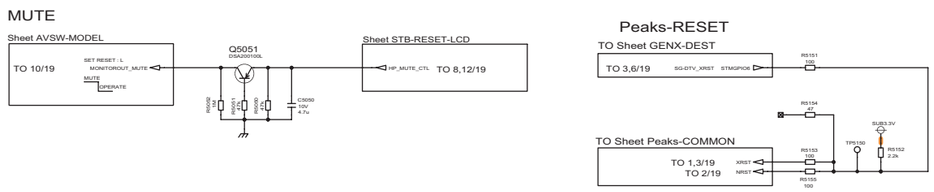


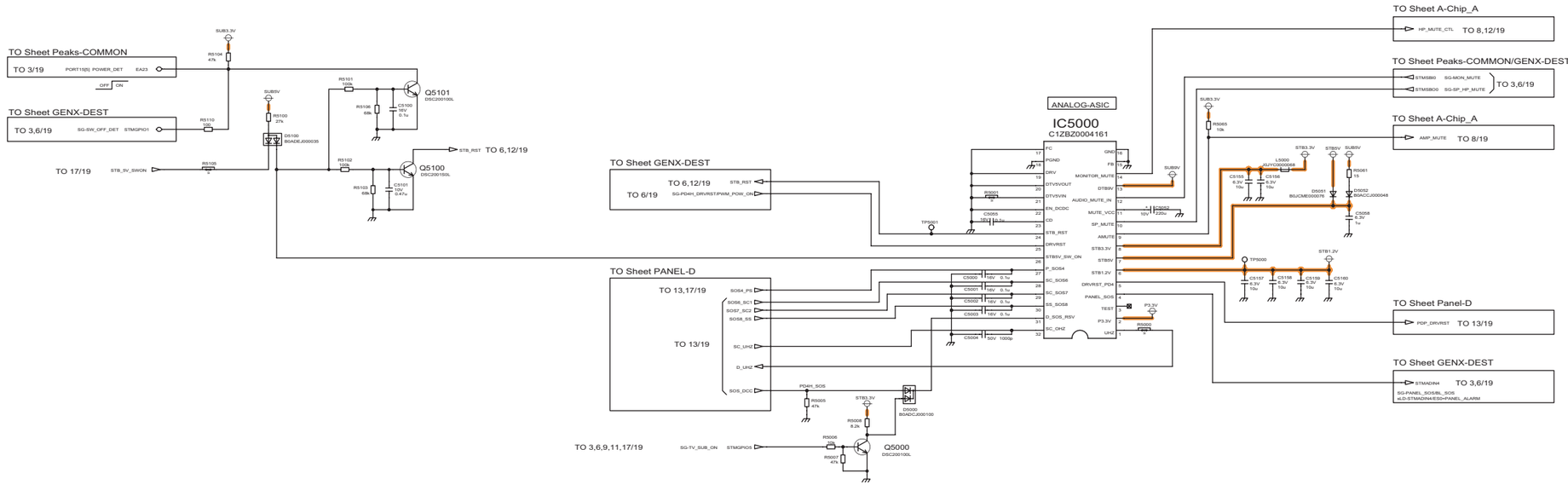


12.13. A-Board (12/19) Schematic Diagram



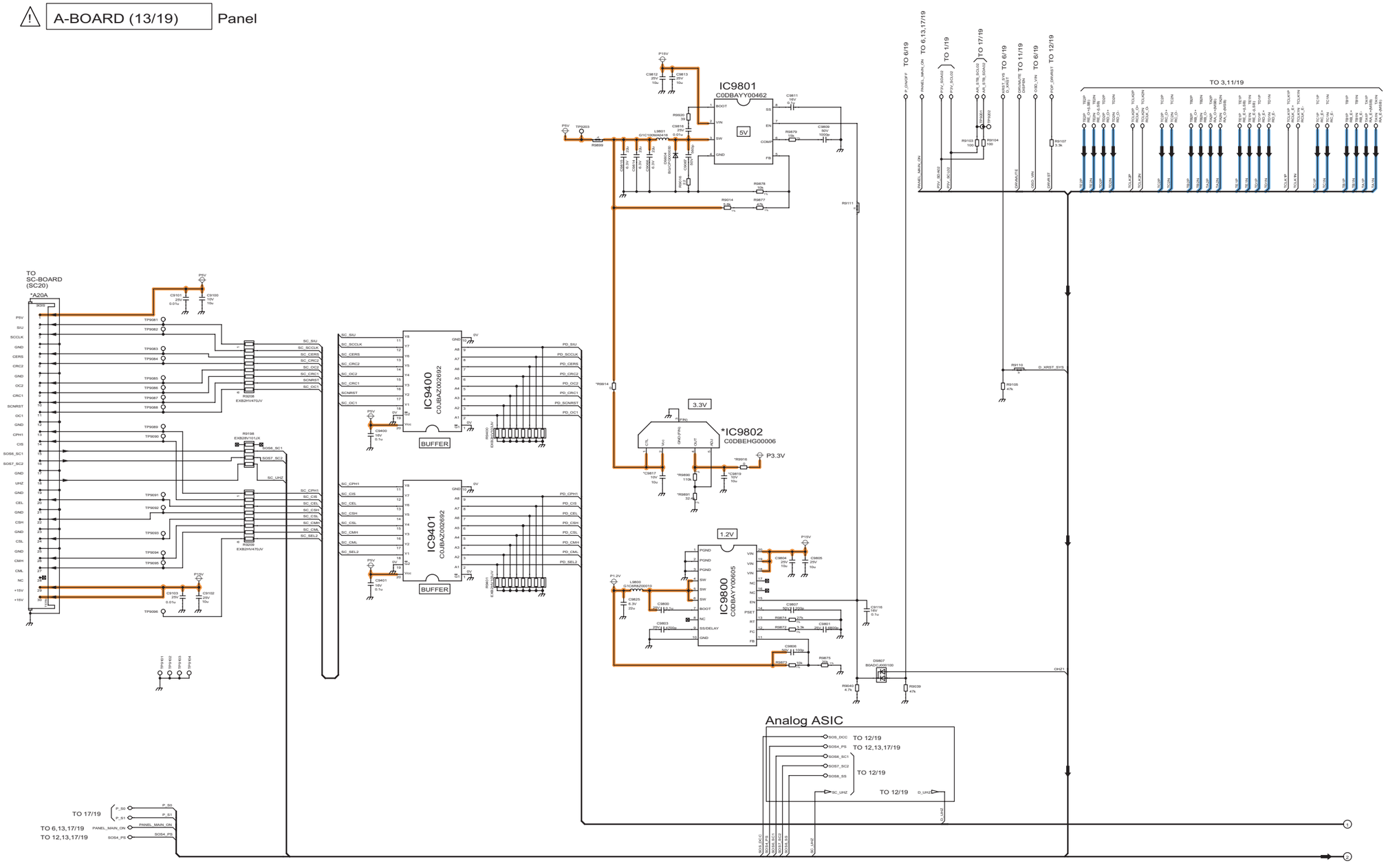
Analog-ASIC



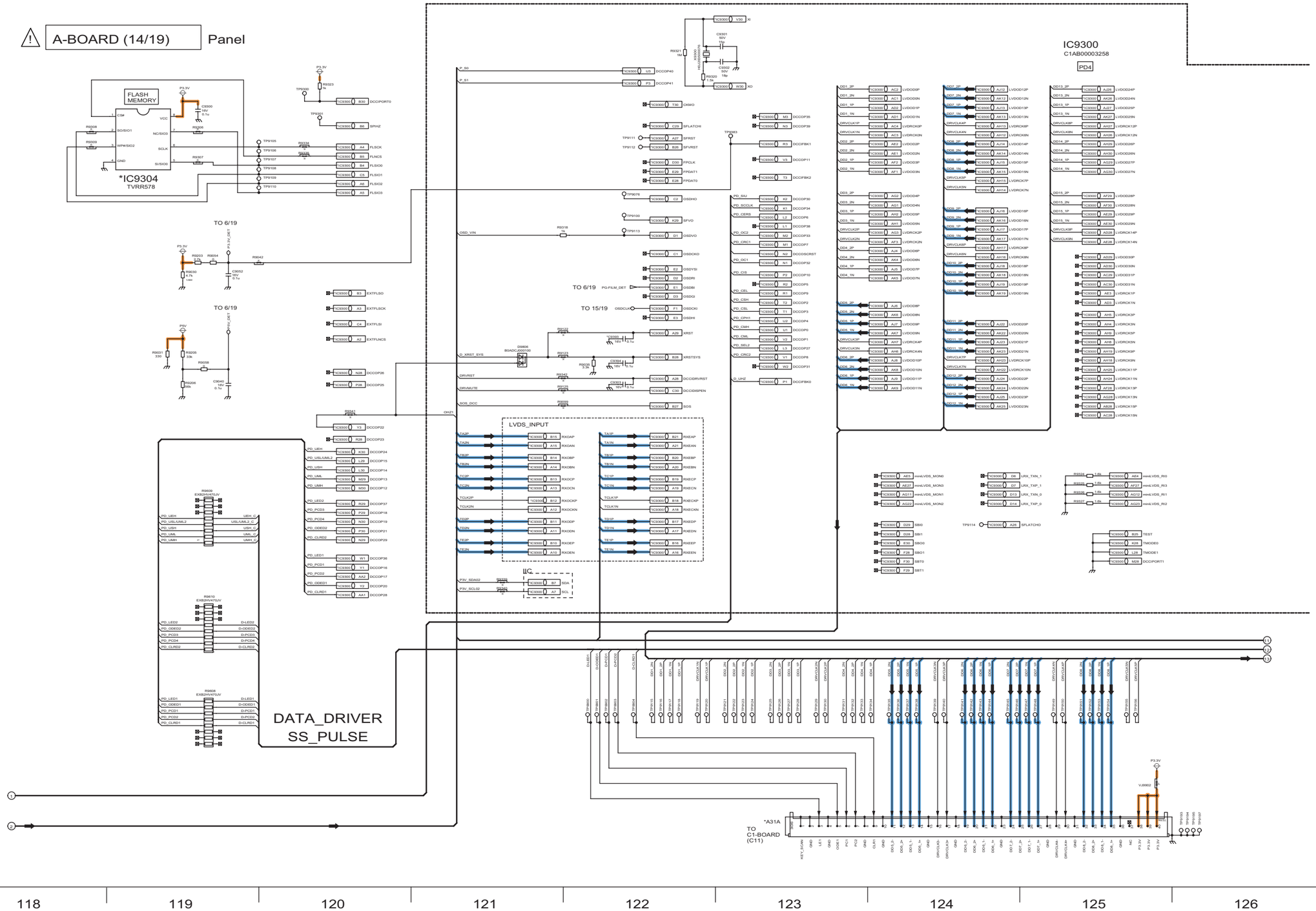


100 101 102 103 104 105 106 107 108

12.14. A-Board (13/19) Schematic Diagram



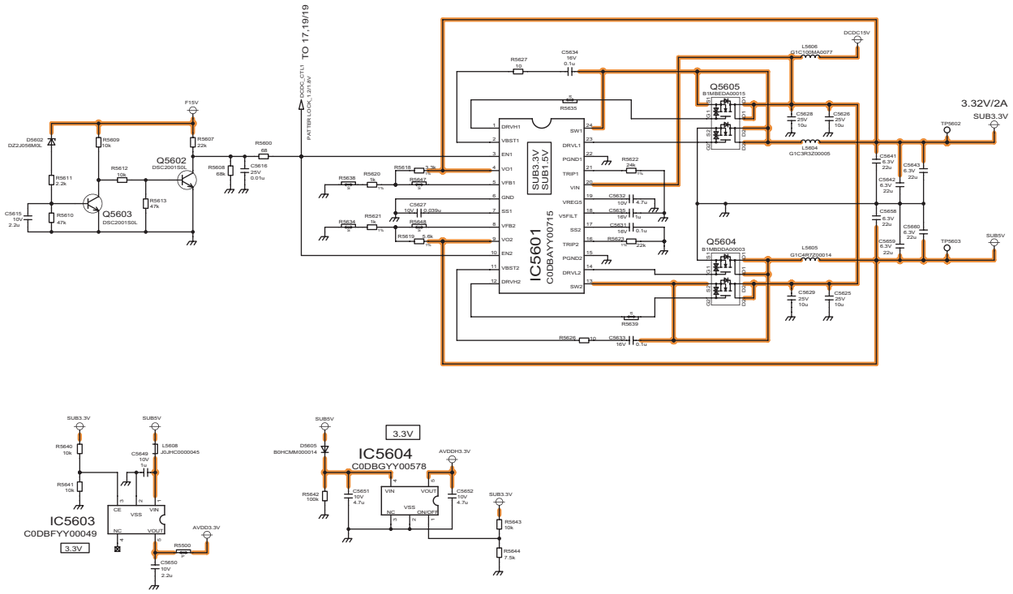
12.15. A-Board (14/19) Schematic Diagram



12.16. A-Board (15/19) Schematic Diagram

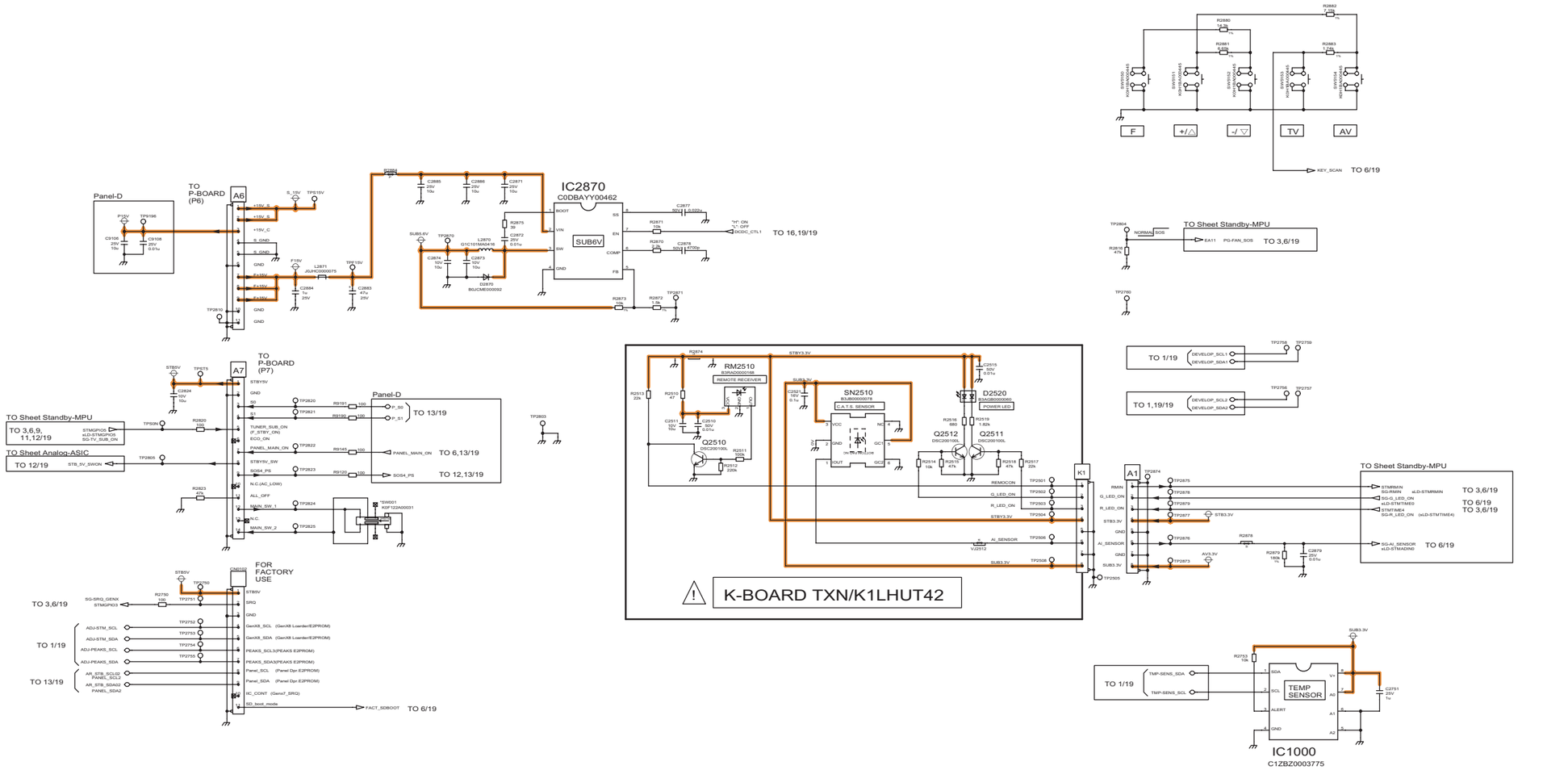
12.17. A-Board (16/19) Schematic Diagram

A-BOARD (16/19) POWER



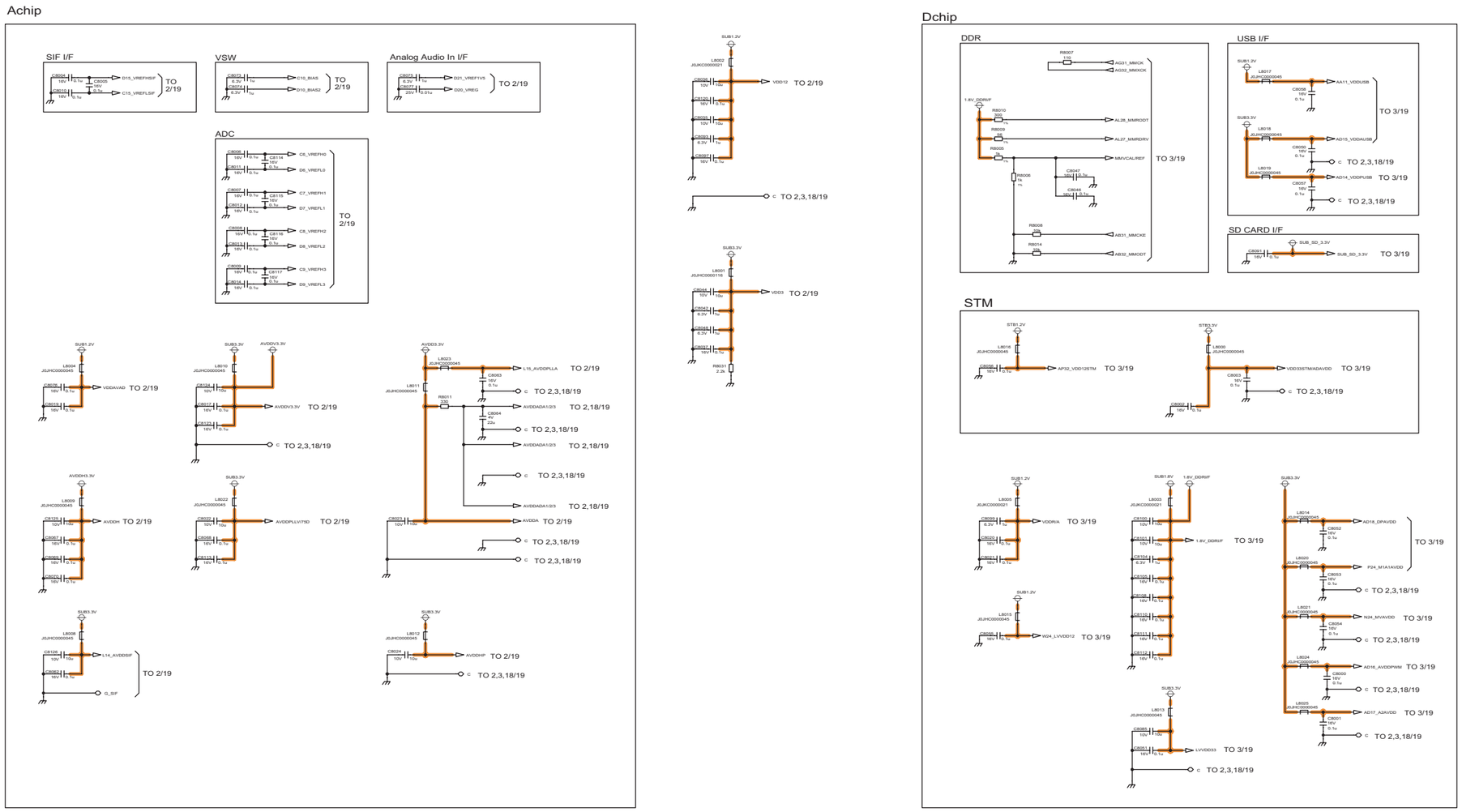
12.18. A-Board (17/19) and K-Board Schematic Diagram

⚠ A-BOARD (17/19) SET

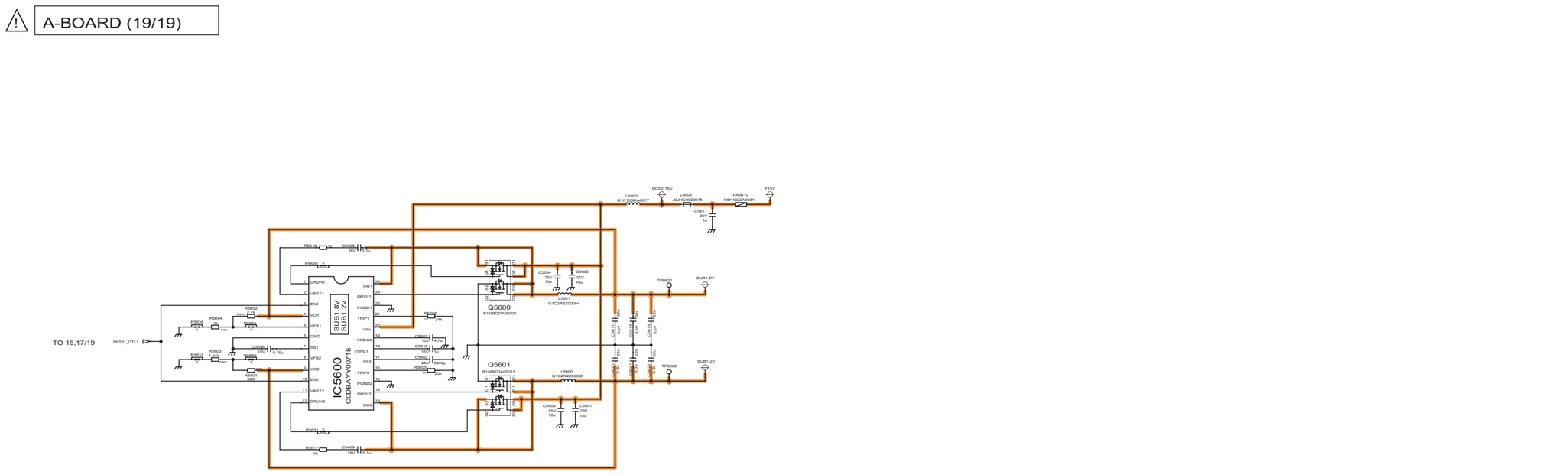


12.19. A-Board (18/19) Schematic Diagram

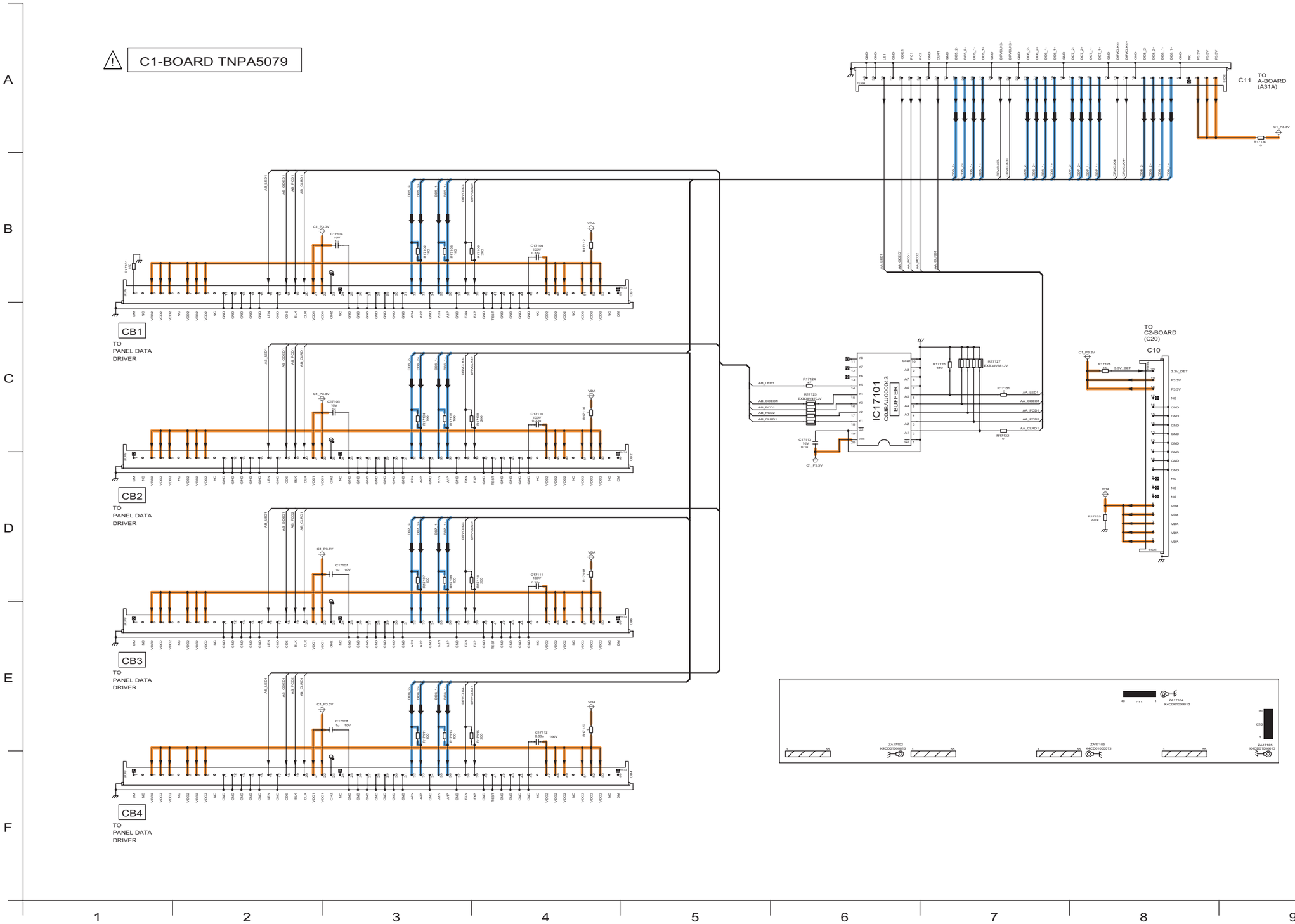
⚠ A-BOARD (18/19)



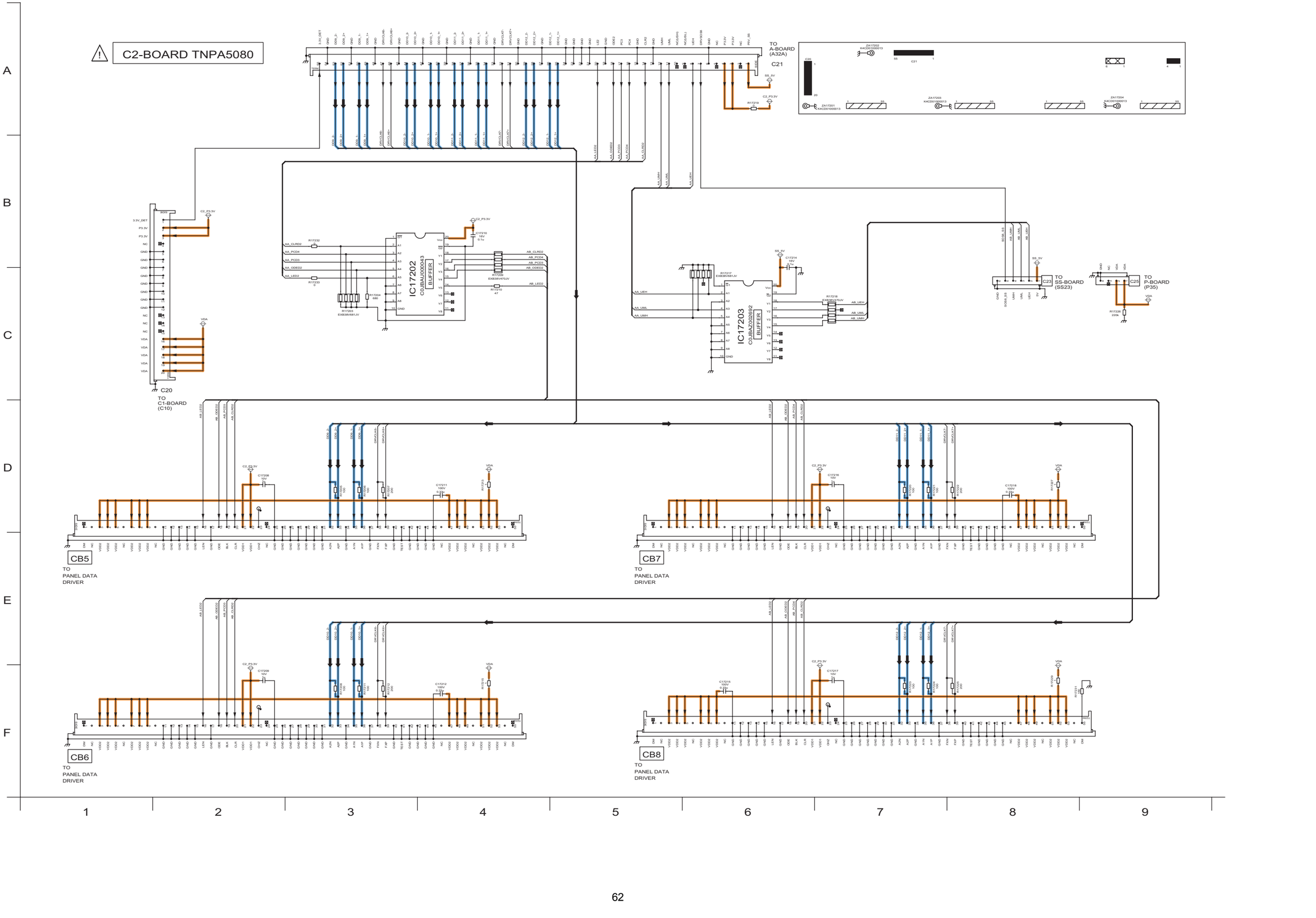
12.20. A-Board (19/19) Schematic Diagram



12.21. C1-Board Schematic Diagram

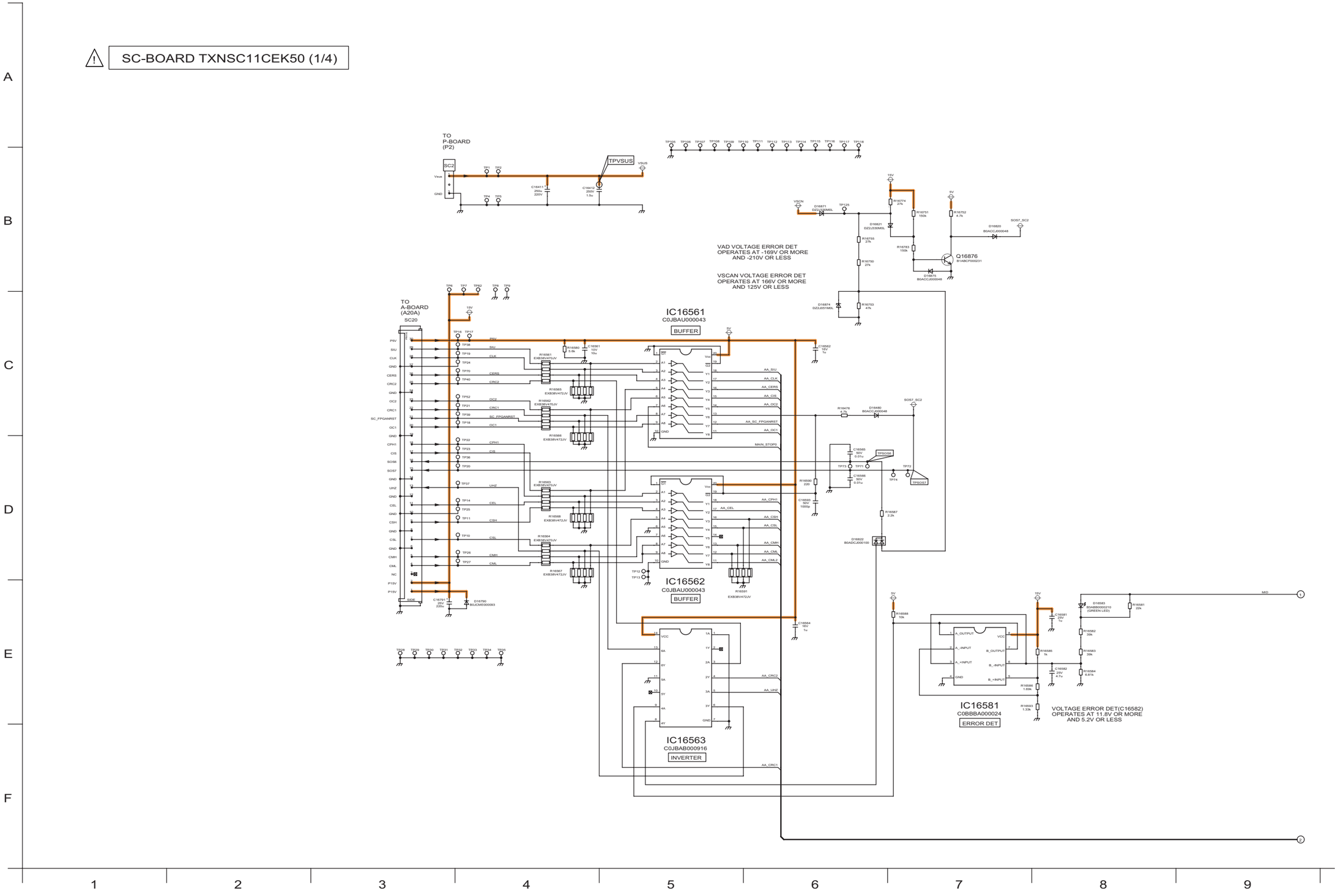


12.22. C2-Board Schematic Diagram

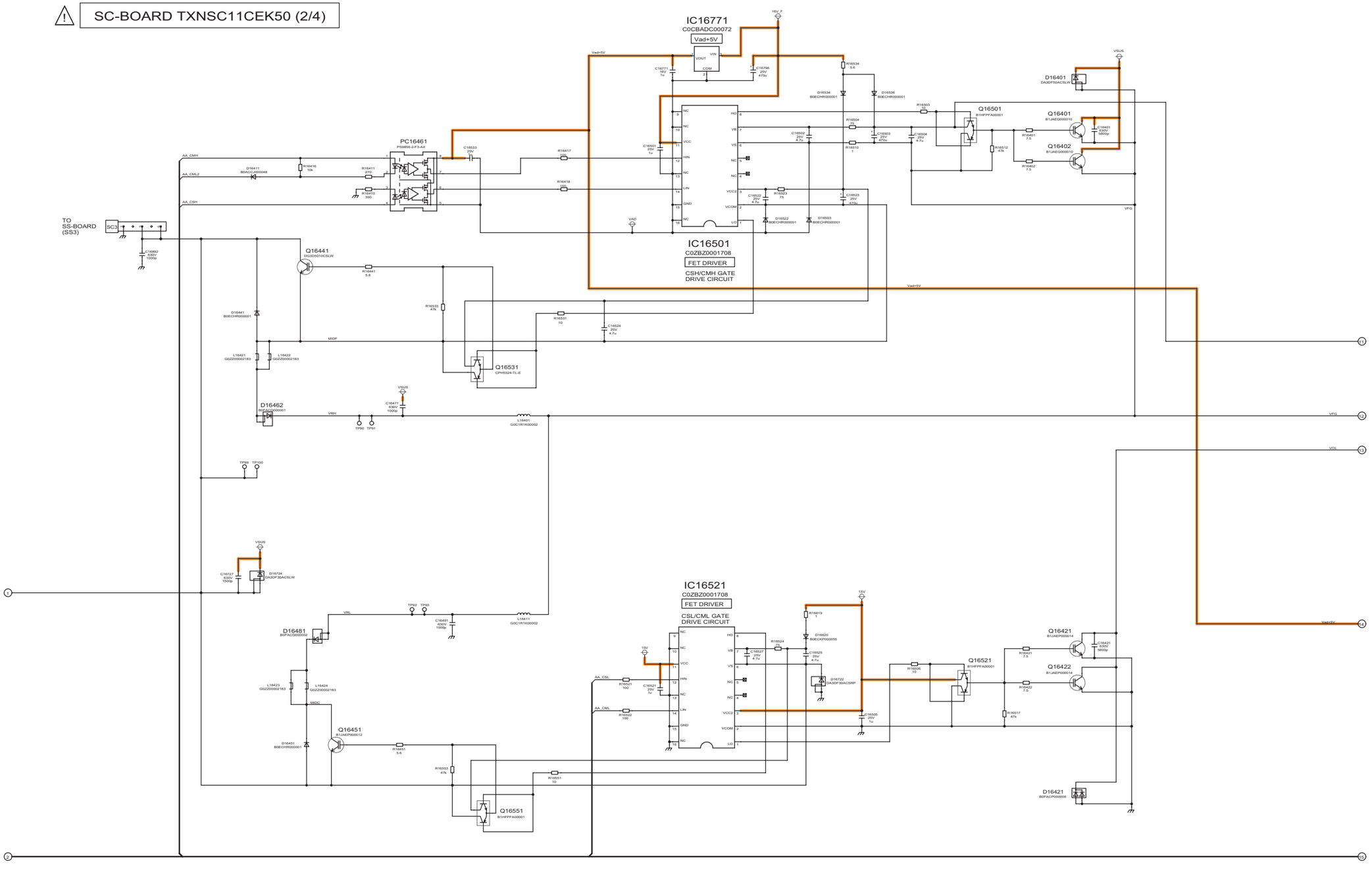


12.23. SC-Board (1/4) Schematic Diagram

⚠ SC-BOARD TXNSC11CEK50 (1/4)

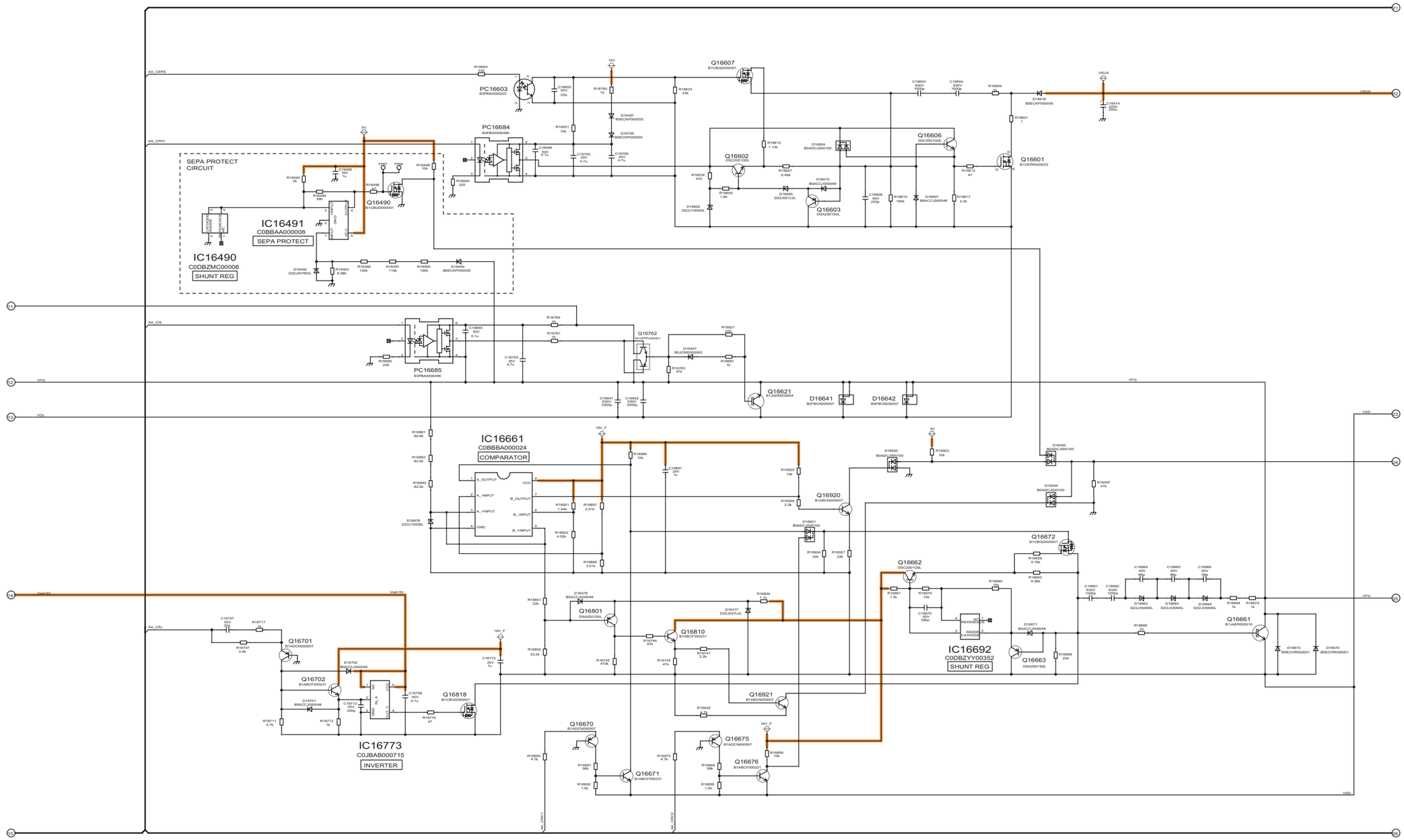


12.24. SC-Board (2/4) Schematic Diagram

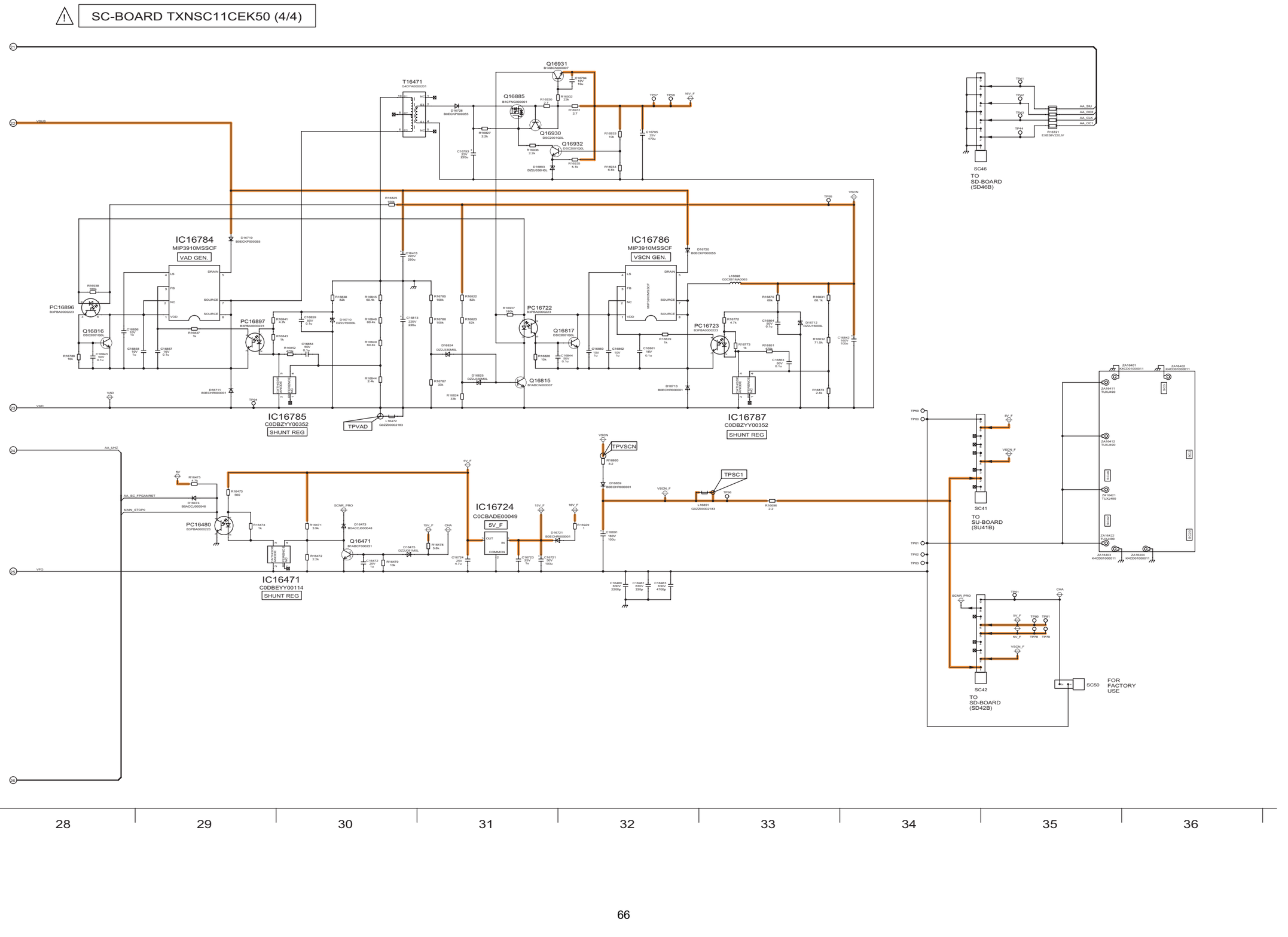


12.25. SC-Board (3/4) Schematic Diagram

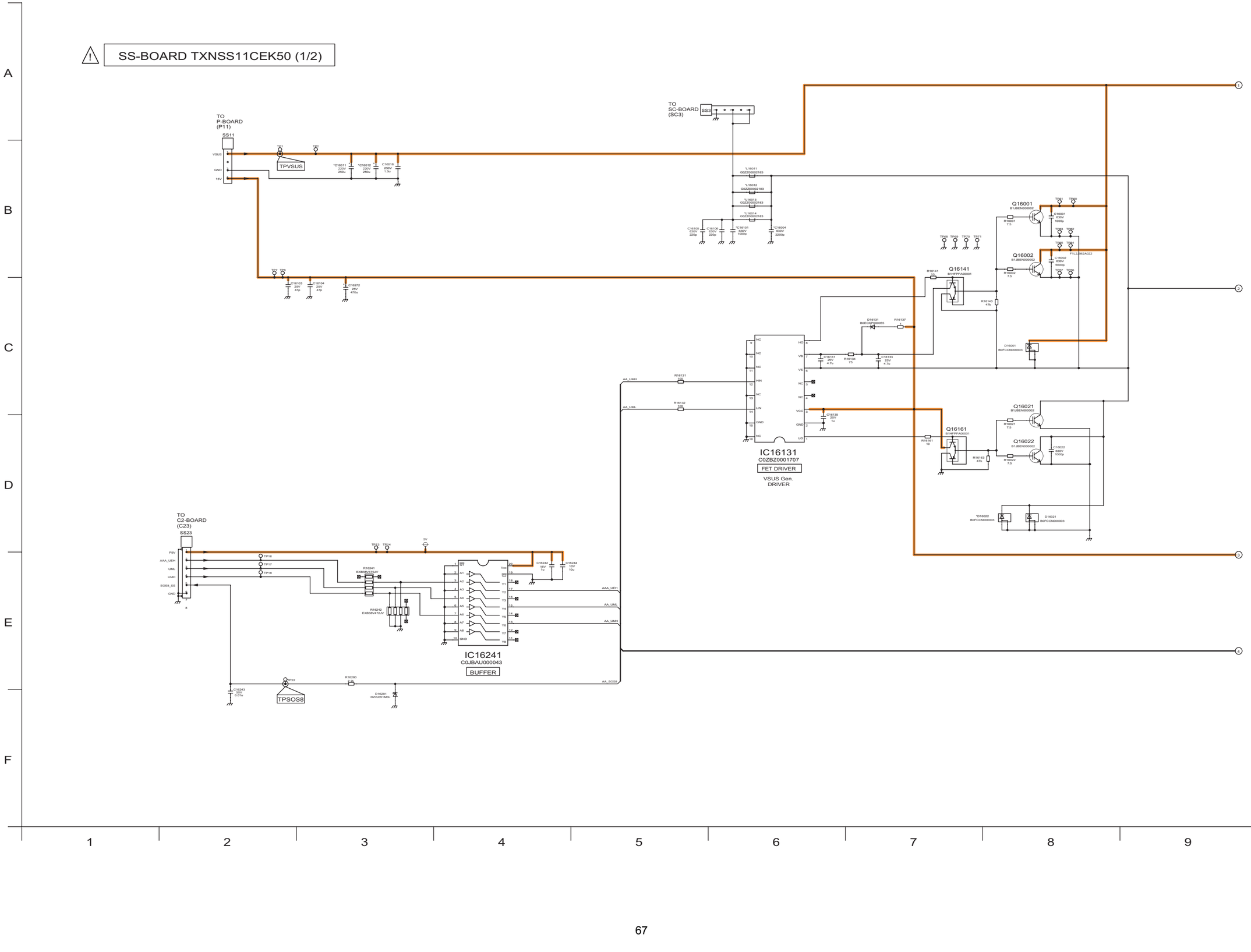
SC-BOARD TXNSC11CEK50 (3/4)



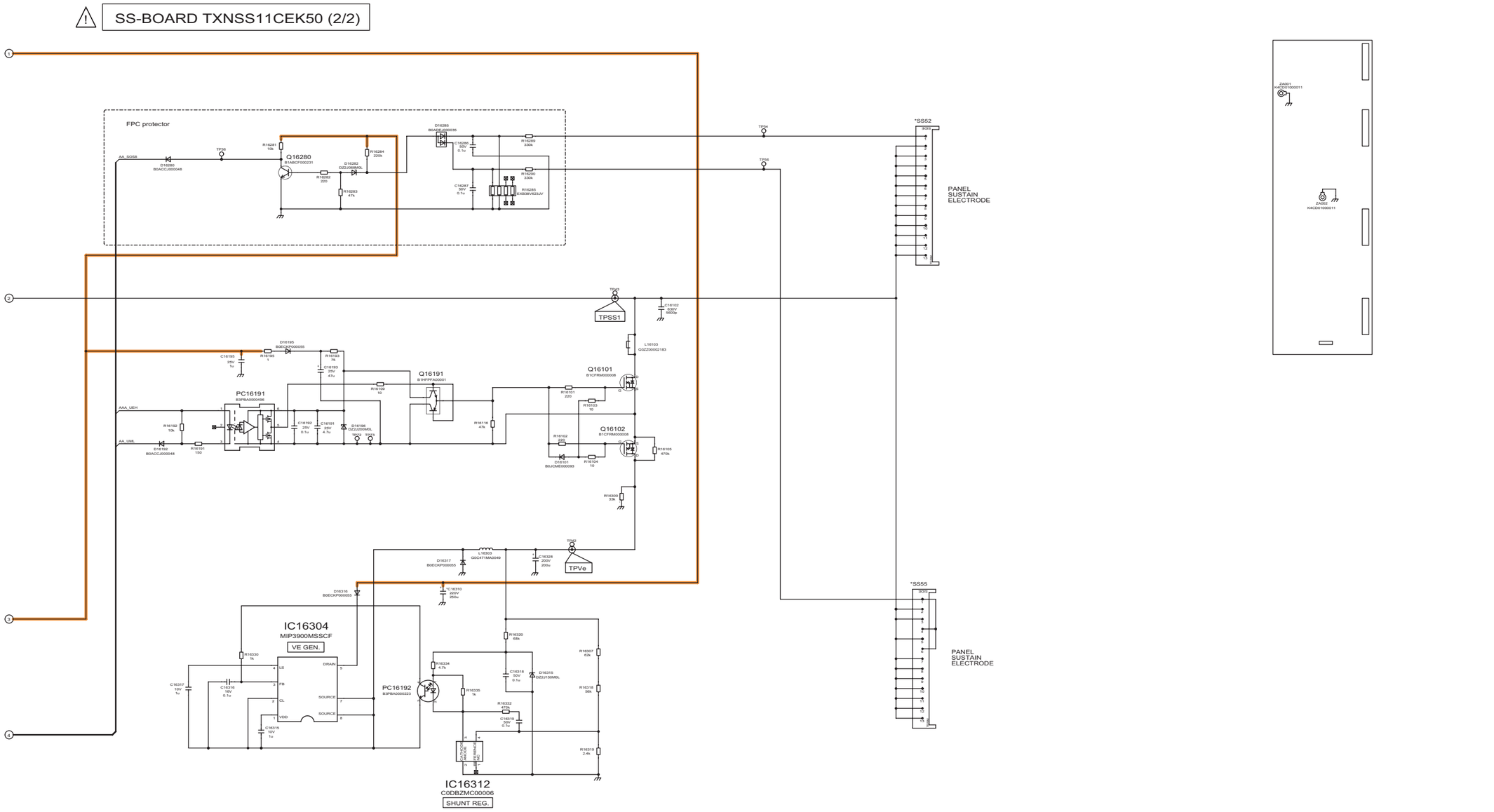
12.26. SC-Board (4/4) Schematic Diagram



12.27. SS-Board (1/2) Schematic Diagram

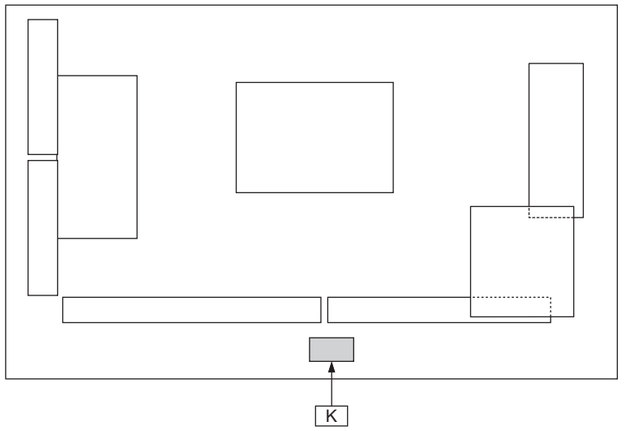


12.28. SS-Board (2/2) Schematic Diagram

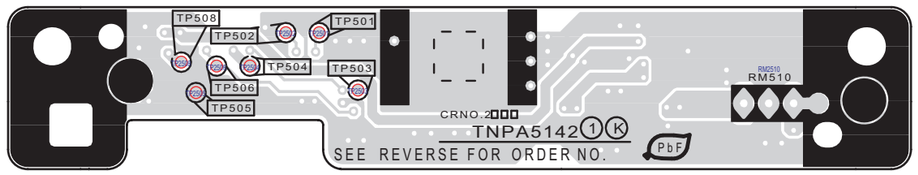


13 Printed Circuit Board

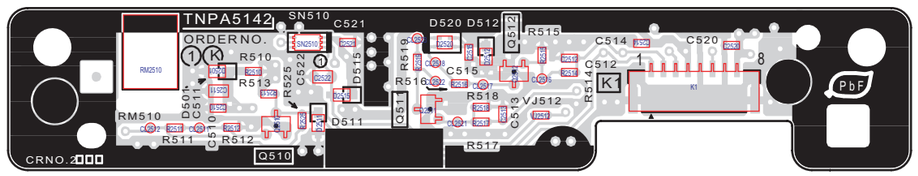
13.1. K-Board



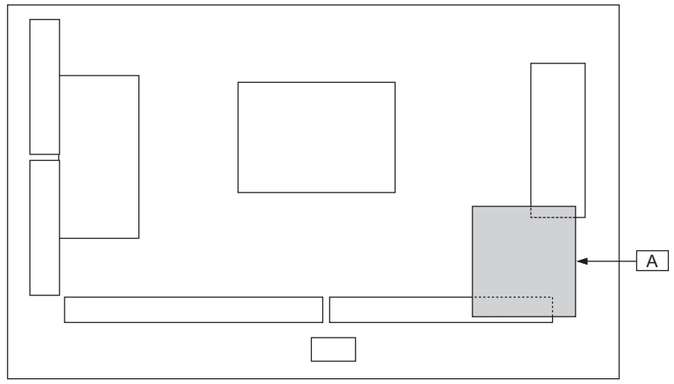
K-BOARD (FOIL SIDE)
TXN/K1LHUT42



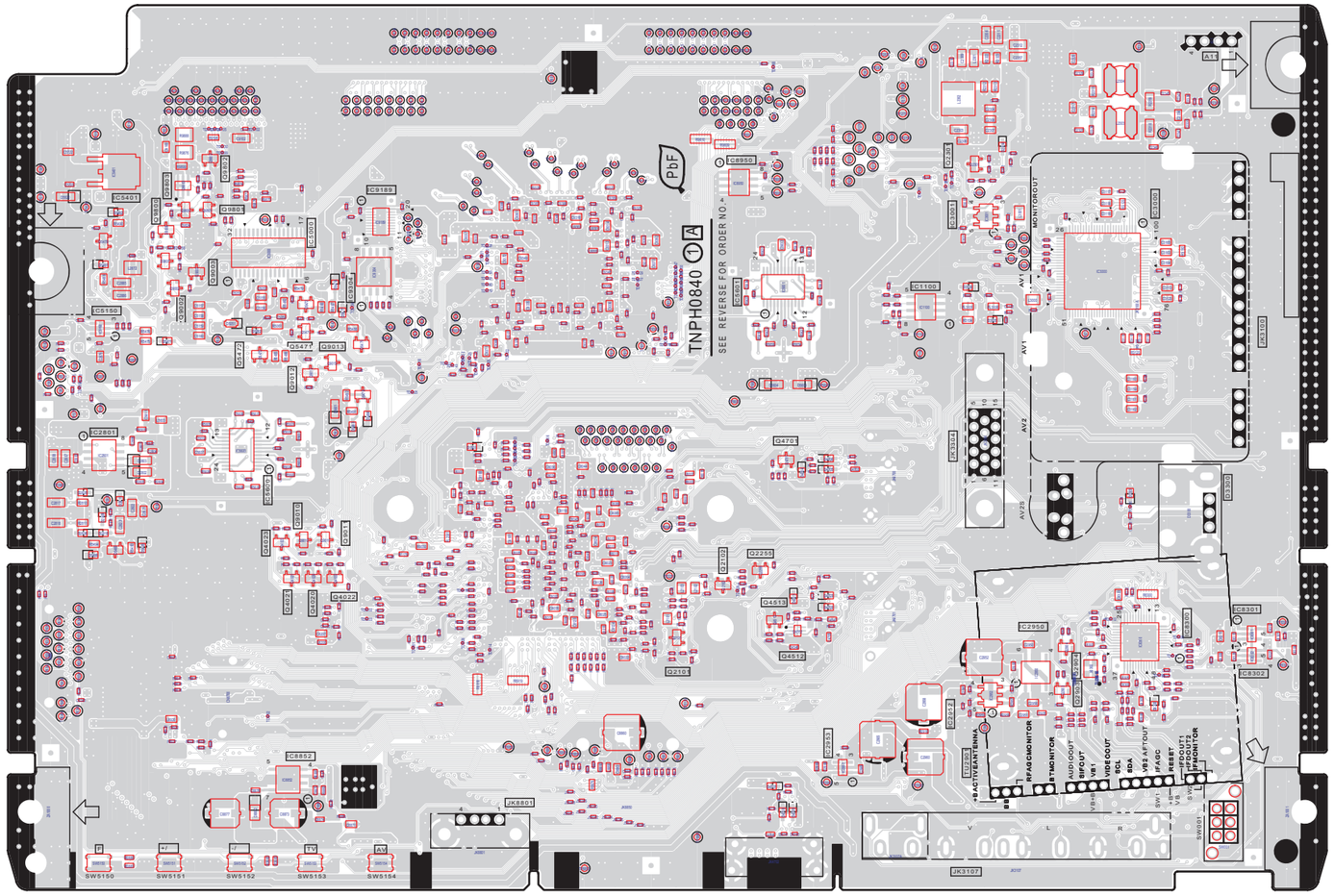
K-BOARD (COMPONENT SIDE)
TXN/K1LHUT42



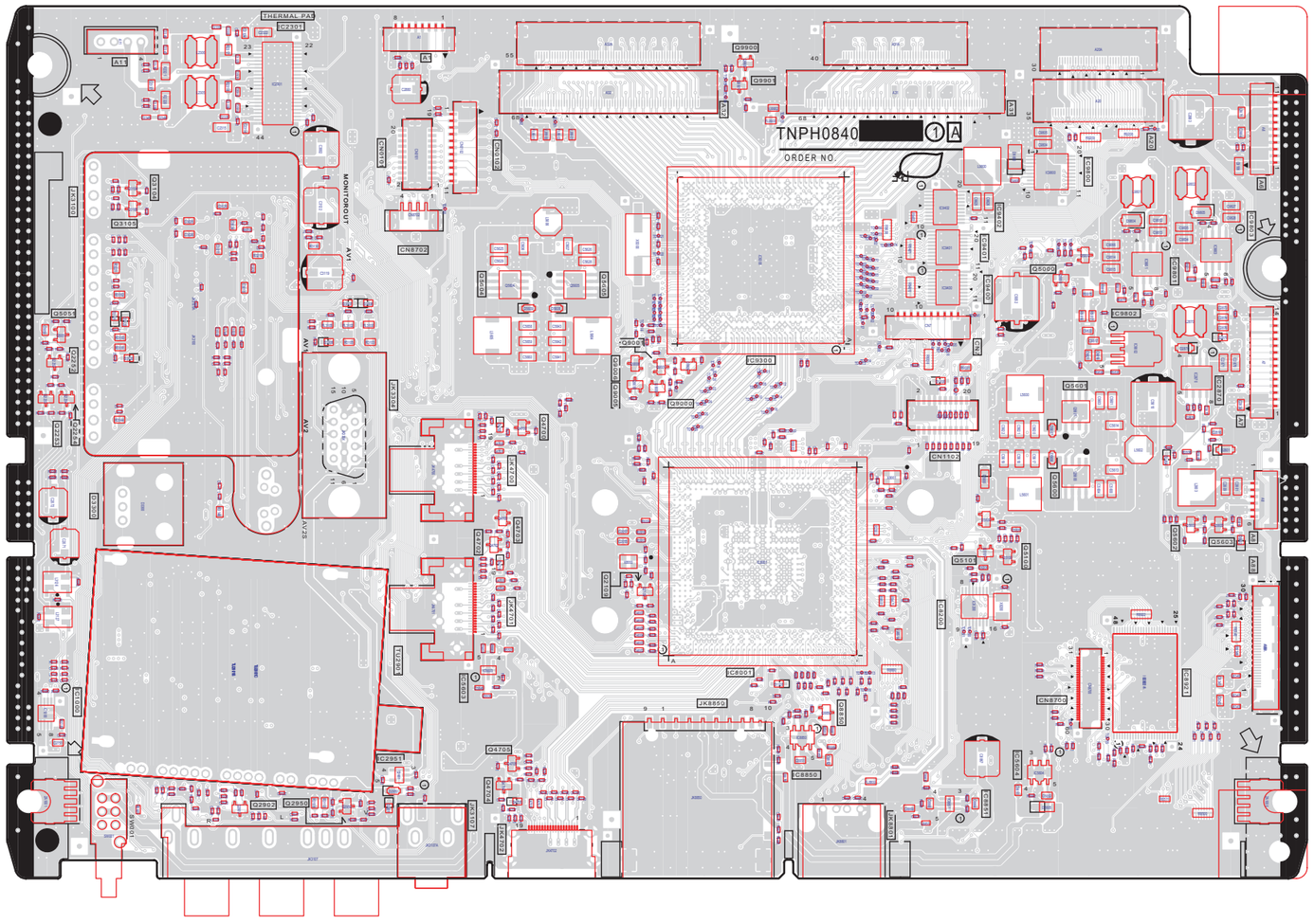
13.2. A-Board

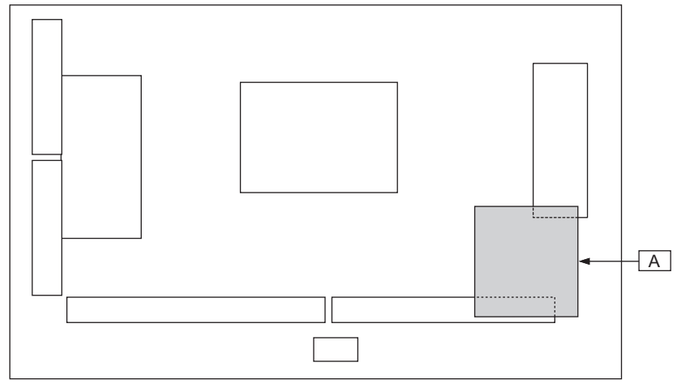


A-BOARD (FOIL SIDE)
TXN/A1LSUP50

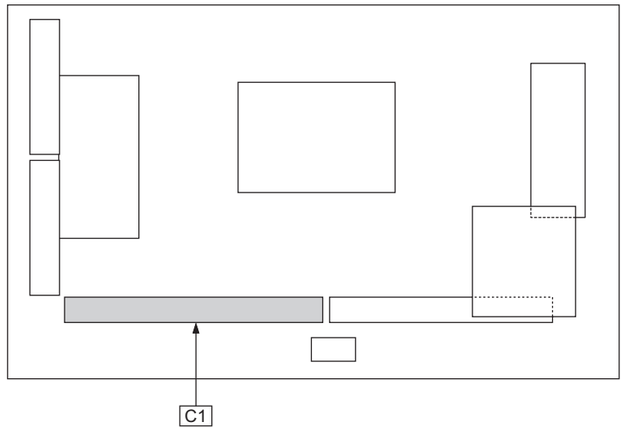


A-BOARD (COMPONENT SIDE)
TXN/A1LSUP50

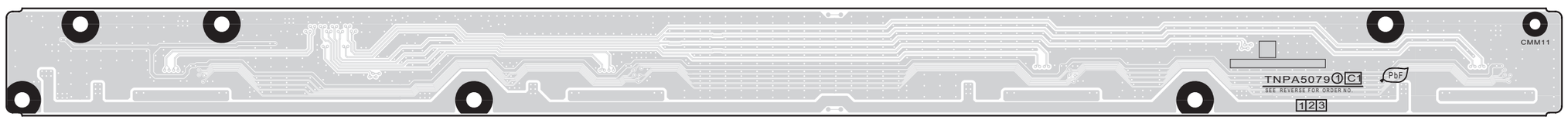




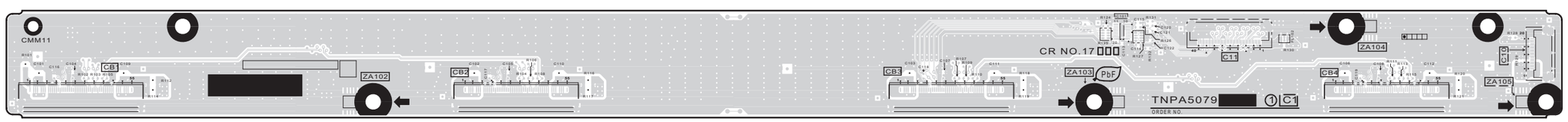
13.3. C1-Board



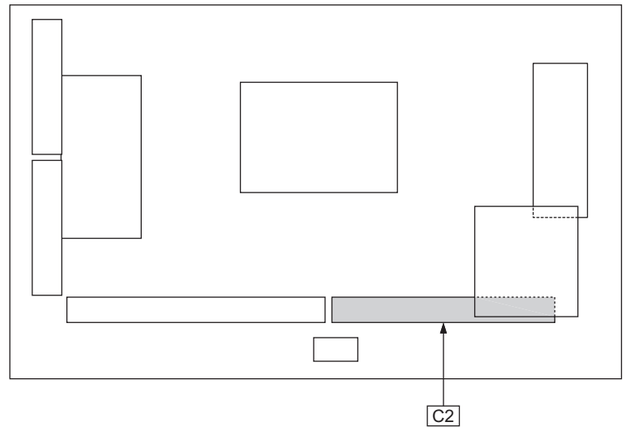
C1-BOARD (FOIL SIDE)
TNPA5079



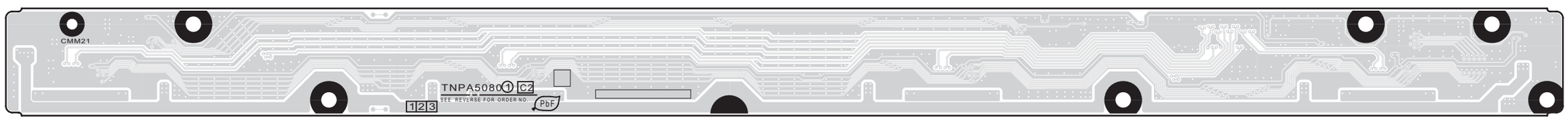
C1-BOARD (COMPONENT SIDE)
TNPA5079



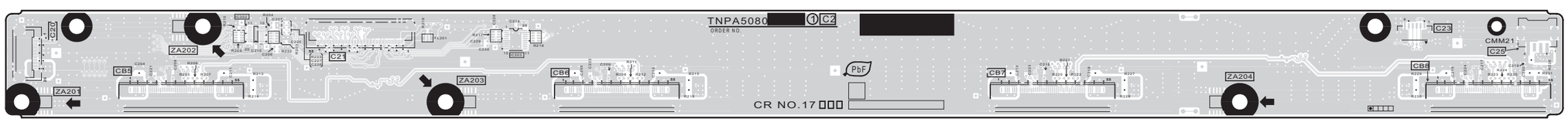
13.4. C2-Board



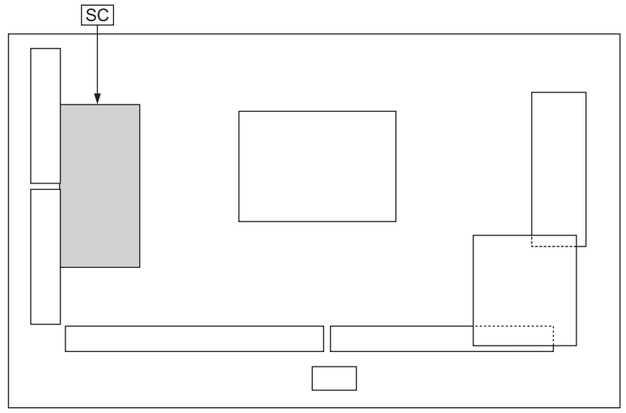
C2-BOARD (FOIL SIDE)
TNPA5080



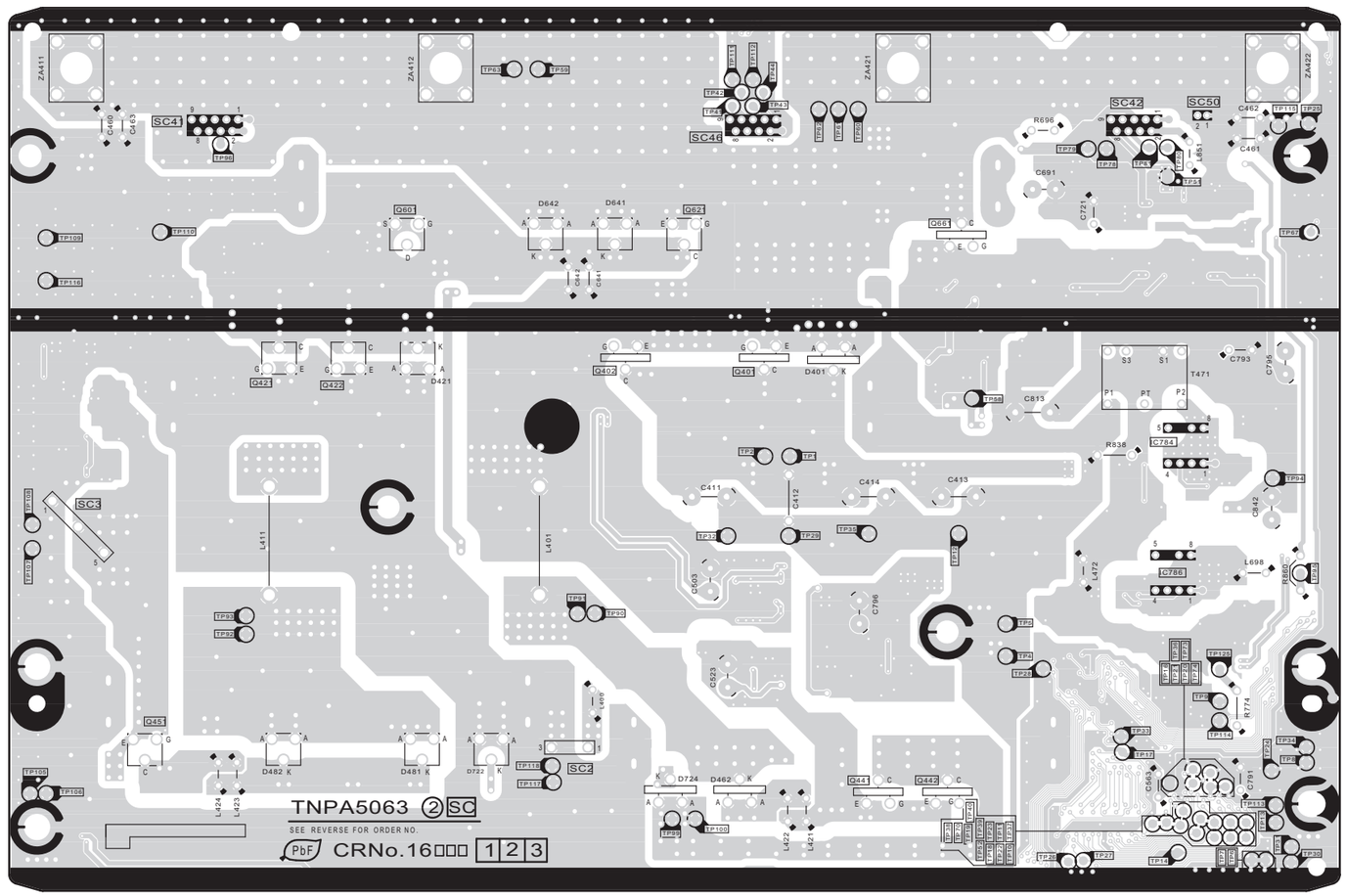
C2-BOARD (COMPONENT SIDE)
TNPA5080



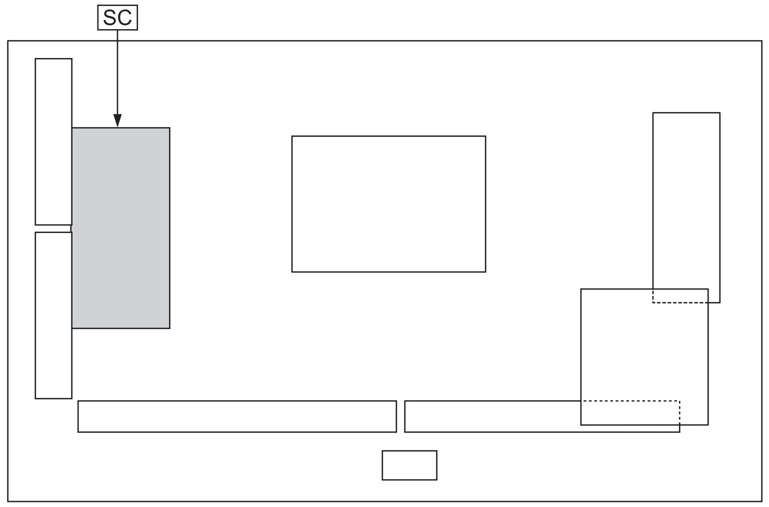
13.5. SC-Board

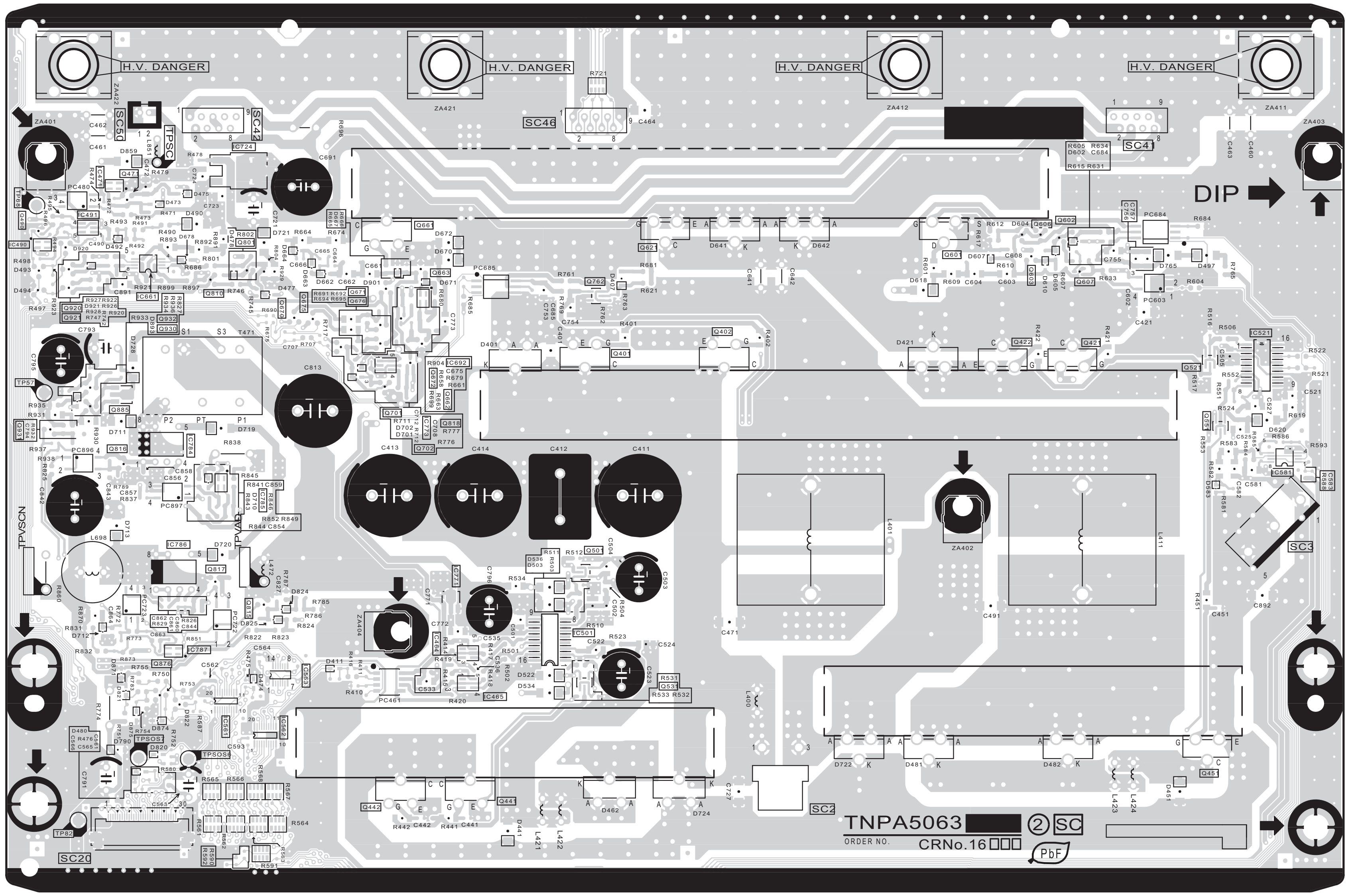


SC-BOARD (FOIL SIDE)
TXNSC11CEK50

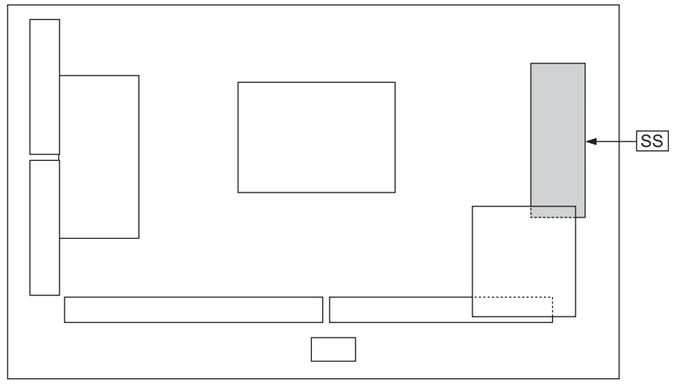


SC-BOARD (COMPONENT SIDE)
TXNSC11CEK50

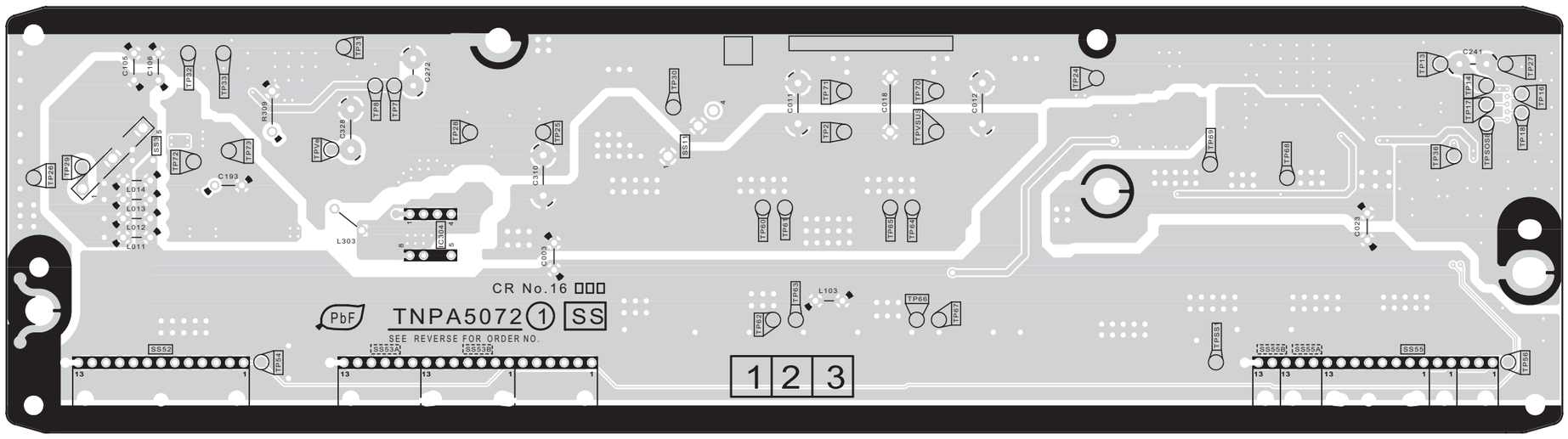


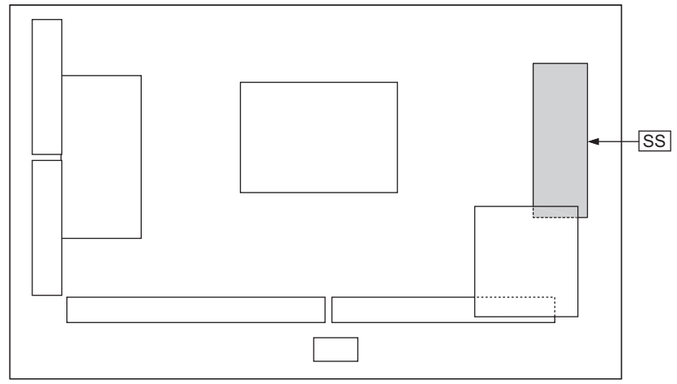


13.6. SS-Board

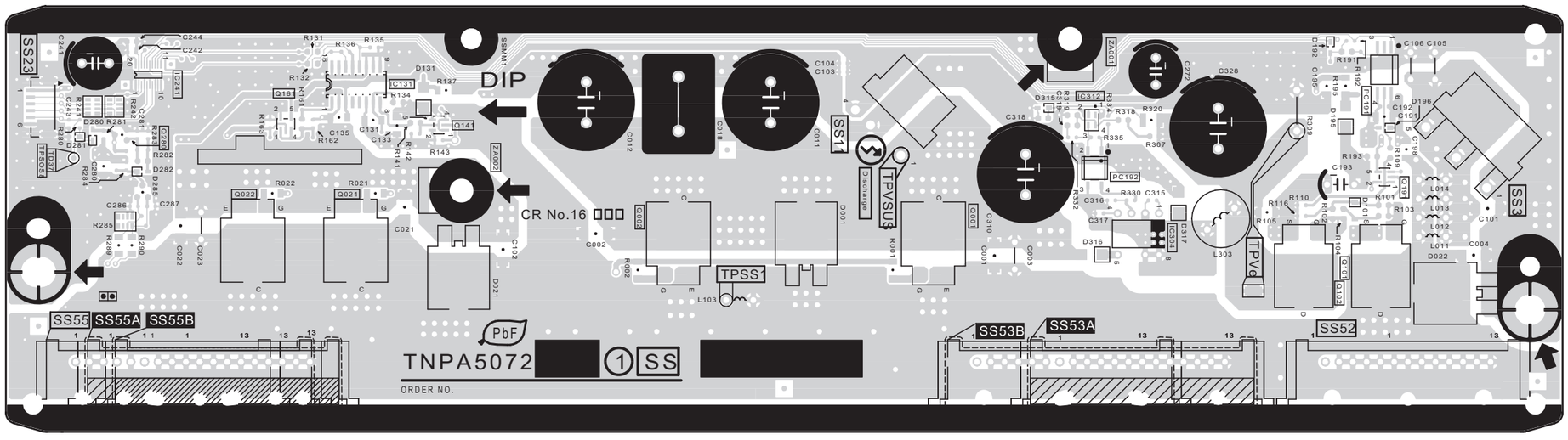


SS-BOARD (FOIL SIDE)
TXNSS11CEK50





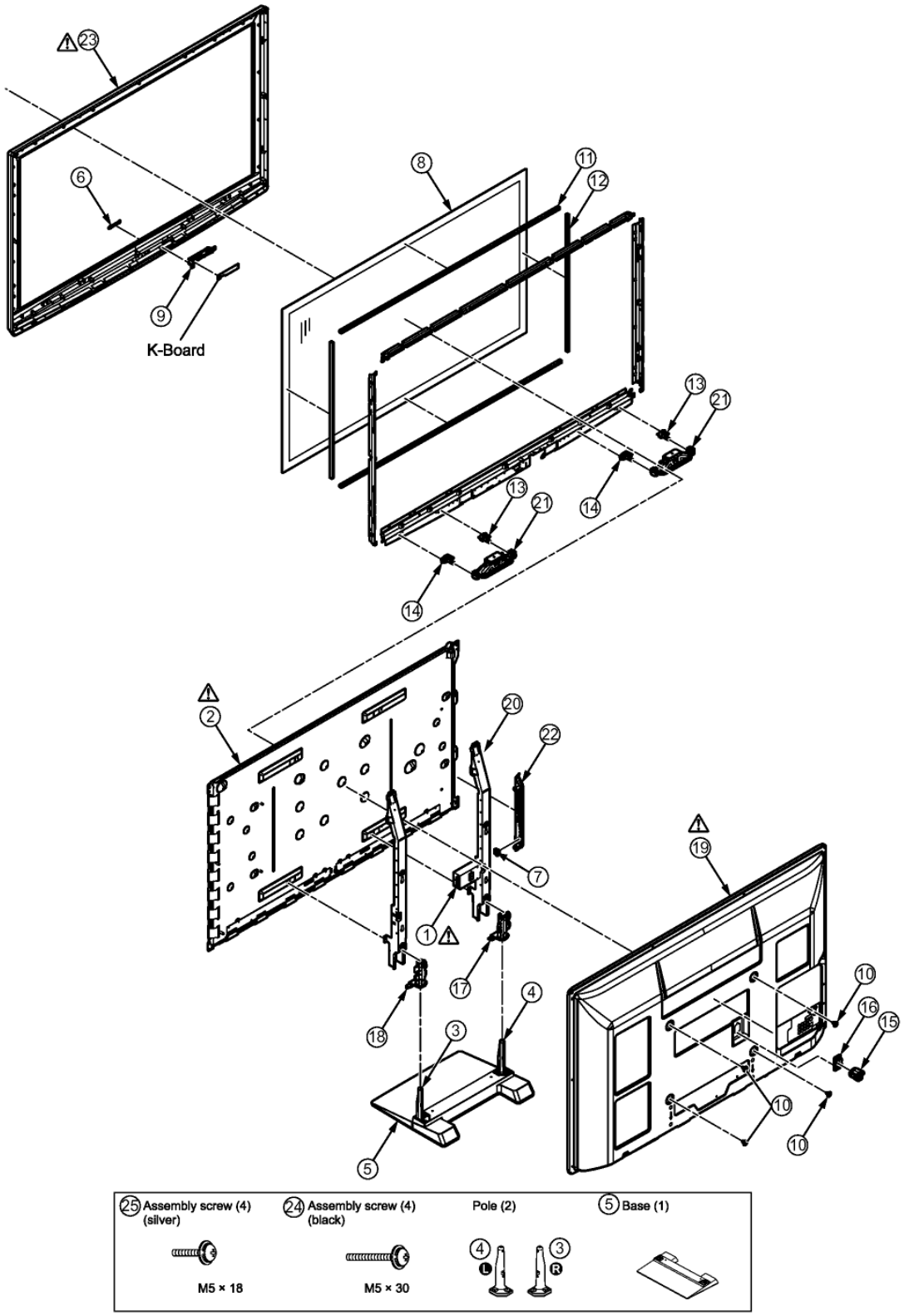
SS-BOARD (COMPONENT SIDE)
TXNSS11CEK50



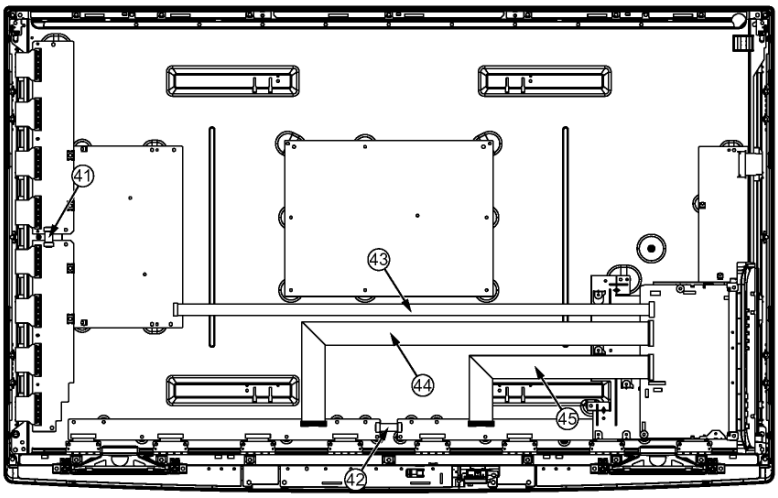
14 Exploded View and Replacement Parts List

14.1. Exploded View and Mechanical Replacement Parts List

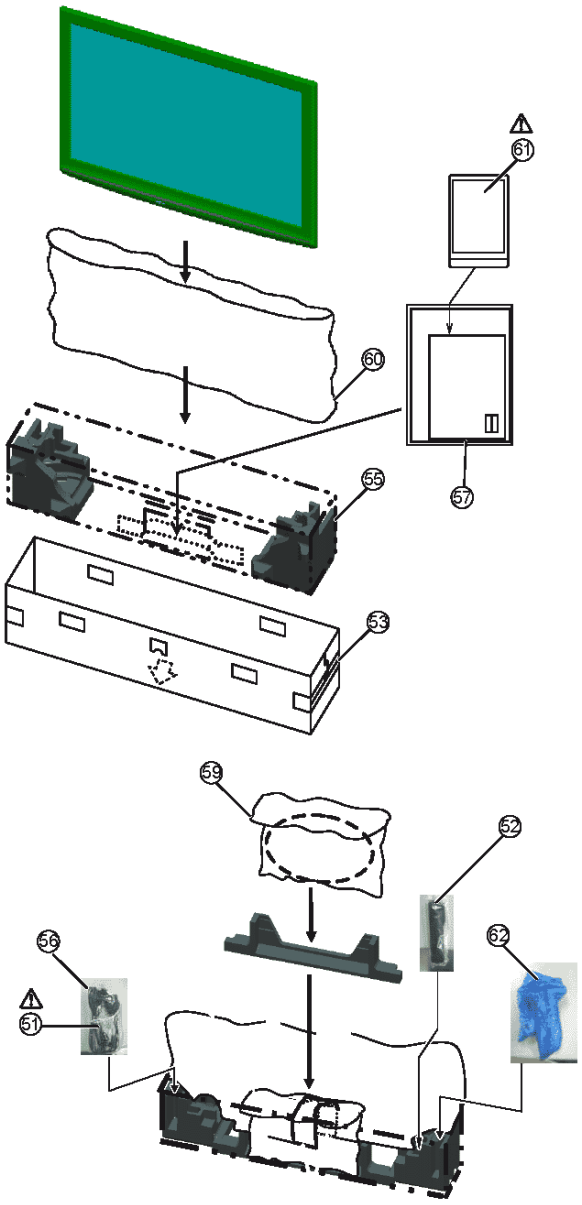
14.1.1. Exploded View 1



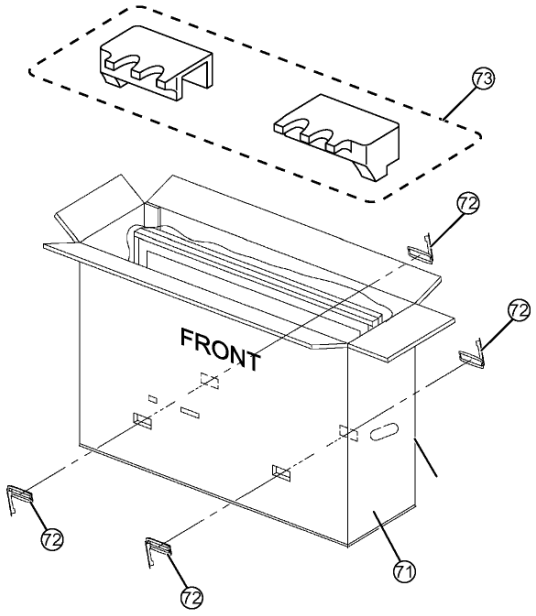
14.1.2. Exploded View 2



14.1.3. Packing 1



14.1.4. Packing 2



14.1.5. Mechanical Replacement Parts List

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

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
⚠	1	K2AHYH000033	AC INLET WITH CABLE	1	PAVCTH
⚠	51	K2CG3YY00058	AC CORD	1	PAVCTH
⚠	51	K2CS3YY00011	AC CORD	1	PAVCTH
⚠	2	MD50H13A2J	PLASMA DISPLAY PANEL	1	
	52	N2QAYB000499	REMOTE CONTROL	1	PAVCTH
	3	TBL4TA3003	STAND POLE(R)	1	PAVCTH
	4	TBL4TA3004	STAND POLE(L)	1	PAVCTH
	5	TBLX0135	PEDESTAL STAND	1	PAVCTH
	6	TBM4GA005	PANASONIC BADGE	1	PAVCTH
	7	TBX4TA00201	POWER BUTTON	1	PAVCTH
		THEJ0339	SCREW(BC-TUNER:1 SIDE_COVER:4)	5	
		THEL052Z	SCREW (BC TOP:4)	2	
	24	THEL080N	PF SCREW(5x30)	4	
		THTD020J	SCREW(A-PRINT:4)	4	
		THTF011N	SCREW	50	
	8	TKGA5632	FRONT GLASS	1	PAVCTH
	9	TKK4TC5002	LED PANEL	1	PAVCTH
	10	TKKL5493	M8 CAP	4	
	11	TMK4TG005	SPONGE(FRONT GLASS/UPPER/BOTTOM)	2	PAVCTH
	12	TMK4TG006	SPONGE(FRONT GLASS/LEFT/RIGHT)	2	PAVCTH
		TMM23417	CLAMPER	2	
		TMME292	CLAMPER	1	
		TMME331	CLAMPER(P:1)	1	
		TMME332	CLAMPER(HANGER:4)	4	
		TMME332	CLAMPER(SS:1)	1	
		TMME332	CLAMPER	2	
		TMME394	CLAMPER	3	
	13	TMW4TX001	SP BRACKET L	2	PAVCTH
	14	TMW4TX002	SP BRACKET R	2	PAVCTH
	15	TMXX064	AC CORD CLAMPER A	2	
	16	TMXX065	AC CORD CLAMPER B	1	
	17	TMZ4TX5003	STAND BRACKET-L	1	PAVCTH
	18	TMZ4TX5004	STAND BRACKET-R	1	PAVCTH
	53	TPC4TA00401	CARTON BOX BOTTOM	1	PAVCTH
	71	TPC4TA01701	CARTON BOX TOP	1	PAVCTH
	72	TPD169487	JOINT	4	
	72	TPD4TA0014	TOP CUSHION	1	PAVCTH
	55	TPD4TA0015	BOTTOM CUSHION	1	PAVCTH
	73	TPD4TA0032	PEDESTAL CUSHION	1	PAVCTH
		TPE4TB002	BAG (SCREW)	1	PAVCTH
	60	TPE4TH002	SET BAG	1	PAVCTH
	57	TPE4TP001	BAG (INSTRUCTION BOOK)	1	PAVCTH
	56	TPE4TP002	BAG FOR AC CORD	2	PAVCTH

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	59	TPEB424	BAG (PEDESTAL STAND)	1	PAVCTH
⚠	61	TQB4TC0016-1	INSTRUCTION BOOK (ENGLISH)	1	PAVCTH
⚠	61	TQB4TC0017-1	INSTRUCTION BOOK (SPANISH)	1	PAVCTH
⚠	61	TQB4TC0018-1	INSTRUCTION BOOK (PORTUGESE)	1	PAVCTH
		TQZ4TH001	SCREW USE HANDBILL	1	PAVCTH
	41	TSXL519	CABLE (SU11-SD11)	1	
	42	TSXL927	CABLE (C10-C20)	1	
	43	TSXL970	CABLE (A20-SC20)	1	PAVCTH
	44	TSXL971	CABLE (A31-C11)	1	PAVCTH
	45	TSXL972	CABLE (A32-C21)	1	PAVCTH
⚠	19	TTU4TA0034	REAR COVER	1	PAVCTH
	20	TUX4TA003	50HANGER METAL	2	PAVCTH
	21	TXFEA01LHUT	SPEAKER L/R ASSY	2	PAVCTH
	22	TXFKP01LHUT	SIDE TERMINAL COVER ASSY	1	PAVCTH
⚠	23	TXFKY01LMUA	CABINET ASSY	1	PAVCTH
		TXJA11LHUM	SPEAKER LEAD (A11-SPR/SPL)	1	PAVCTH
		XSB3+6FJ	SCREW(HDMI:3)	3	
		XTB4+12GFJ	SCREW(GH:20 PW:2 LED:1)	22	
		XTB4+12GFJK	SCREW(BC:11)	11	
		XTB4+12GFN	SCREW (4*12)	6	
		XTV3+10JFJK	SCREW(REAR AV:2)	2	
		XYN3+F10FJK	SCREW(BC-AC_INLET:2)	2	
		XYN3+J10FJ	SCREW	17	
		XYN4+E6FJ	SCREW(INLET:1)	1	
		XYN4+F10FJ	SCREW(AL-GHT:4)	22	
	25	XYN5+F18FN	SCREW(5x18)	4	
	62	XZB17X19C03	POLY BAG (STAND POLE)	1	

14.2. Electrical Replacement Parts List

14.2.1. Replacement Parts List Notes

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%

14.2.2. Electrical Replacement Parts List

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

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
⚠	PCB	TXN/A1LSUP50	A-PRINT COMPLETE	1	(RTL) PA VCTH
⚠	PCB	N0AE5JK00002	POWER SUPPLY UNIT	1	(RTL) PA VCTH
⚠	PCB	TNPA5079	C1-PRINT COMPLETE	1	(RTL)
⚠	PCB	TNPA5080	C2-PRINT COMPLETE	1	(RTL)
⚠	PCB	TXNSC11CEK50	SC-PRINT COMPLETE	1	(RTL) PA VCTH
⚠	PCB	TNPA5069	SD-PRINT COMPLETE	1	
⚠	PCB	TXNSS11CEK50	SS-PRINT COMPLETE	1	(RTL) PA VCTH
⚠	PCB	TNPA5068	SU-PRINT COMPLETE	1	
⚠	PCB	TXN/K1LHUT42	K-PRINT COMPLETE	1	(RTL) PA VCTH
	A1	K1KY08AA0719	8P CONNECTOR	1	
	A6	K1KY11AA0719	11P CONNECTOR	1	
	A7	K1KY14AA0719	14P CONNECTOR	1	PAVCTH
	A11	K1KA04AA0190	4P CONNECTOR	1	
	A20A	K1MY30BA0345	30P CONNECTOR	1	PAVCTH
	A31A	K1MY40BA0345	40P CONNECTOR	1	PAVCTH
	A32A	K1MY55BA0345	55P CONNECTOR	1	
	C10	K1MN20BA0231	20P CONNECTOR	1	
	C11	K1MY40BA0345	40P CONNECTOR	1	PAVCTH
	C20	K1MY20BA0345	20P CONNECTOR	1	
	C21	K1MY55BA0345	55P CONNECTOR	1	
	C23	K1KY06AA0719	6P CONNECTOR	1	
	C25	K1KA04BA0107	4P CONNECTOR	1	
	C2510	F1H1H103A970	C 0.01 uF 50 V	1	
	C2515	F1H1H103A970	C 0.01 uF 50 V	1	
	C16243	F1H1H103A970	C 0.01 uF 50 V	1	
	C16565	F1H1H103A970	C 0.01 uF 50 V	1	
	C16566	F1H1H103A970	C 0.01 uF 50 V	1	
	C2340	F1H1H223A970	C 0.022 uF 50 V	1	
	C2341	F1H1H223A970	C 0.022 uF 50 V	1	
	C2342	F1H1H223A970	C 0.022 uF 50 V	1	
	C2343	F1H1H223A970	C 0.022 uF 50 V	1	
	C2344	F1H1H223A970	C 0.022 uF 50 V	1	
	C2345	F1H1H223A970	C 0.022 uF 50 V	1	
	C2346	F1H1H223A970	C 0.022 uF 50 V	1	
	C2347	F1H1H223A970	C 0.022 uF 50 V	1	
	C2877	F1H1H223A970	C 0.022 uF 50 V	1	
	C5627	F1G1A393A053	C 0.039 uF 10 V	1	
	C2335	F1H1E104A129	C 0.1 uF 25 V	1	
	C2336	F1H1E104A129	C 0.1 uF 25 V	1	
	C2338	F1H1E104A129	C 0.1 uF 25 V	1	
	C2339	F1H1E104A129	C 0.1 uF 25 V	1	
	C9800	F1H1E104A129	C 0.1 uF 25 V	1	
	C16192	F1H1E104A129	C 0.1 uF 25 V	1	
	C2316	F1H1H104A970	C 0.1 uF 50 V	1	
	C2318	F1H1H104A970	C 0.1 uF 50 V	1	
	C2321	F1H1H104A970	C 0.1 uF 50 V	1	
	C2323	F1H1H104A970	C 0.1 uF 50 V	1	
	C16286	F1H1H104A970	C 0.1 uF 50 V	1	
	C16287	F1H1H104A970	C 0.1 uF 50 V	1	
	C16684	F1H1H104A970	C 0.1 uF 50 V	1	
	C16685	F1H1H104A970	C 0.1 uF 50 V	1	
	C16708	F1H1H104A970	C 0.1 uF 50 V	1	
	C5612	F1H1C105A145	C 1 uF 16 V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C5635	F1H1C105A145	C 1 uF 16 V	1	
	C5723	F1H1C105A145	C 1 uF 16 V	1	
	C16242	F1H1C105A145	C 1 uF 16 V	1	
	C16490	F1H1C105A145	C 1 uF 16 V	1	
	C16562	F1H1C105A145	C 1 uF 16 V	1	
	C16564	F1H1C105A145	C 1 uF 16 V	1	
	C16771	F1H1C105A145	C 1 uF 16 V	1	
	C9803	F1G1E472A123	C 4700 pF 25 V	1	
	C3105	F1G1H561A730	C 560 pF 50 V	1	
	C3106	F1G1H561A730	C 560 pF 50 V	1	
	C3137	F1G1H561A730	C 560 pF 50 V	1	
	C3138	F1G1H561A730	C 560 pF 50 V	1	
	C3153	F1G1H561A730	C 560 pF 50 V	1	
	C3154	F1G1H561A730	C 560 pF 50 V	1	
	C3155	F1G1H561A730	C 560 pF 50 V	1	
	C3156	F1G1H561A730	C 560 pF 50 V	1	
	C9067	F1G1H561A730	C 560 pF 50 V	1	
	C5602	F1G1E682A123	C 6800 pF 25 V	1	
	C9801	F1G1E682A123	C 6800 pF 25 V	1	
	C0900	F1G1C104A116	C 0.1UF 16V	1	
	C1100	F1G1E103A123	C 0.01UF 25V	1	
	C1101	F1G1E103A123	C 0.01UF 25V	1	
	C1102	F1G1C104A116	C 0.1UF 16V	1	
	C2055	F1J1A106A087	C 10UF, 10V	1	
	C2057	F1J1A106A087	C 10UF, 10V	1	
	C2067	F1G1C103A116	C 0.01UF 16V	1	
	C2068	F1G1C103A116	C 0.01UF 16V	1	
	C2071	EEEHB0J101UR	E 100UF, 6.3V	1	
	C2072	EEEHB0J101UR	E 100UF, 6.3V	1	
	C2073	F1G1E333A091	C 0.033UF 25V	1	
	C2074	F1G1E333A091	C 0.033UF 25V	1	
	C2104	F1G1H100A731	C 10PF 50V	1	
	C2107	F1G1A105A047	C 1UF 10V	1	
	C2108	F1G1A105A047	C 1UF 10V	1	
	C2110	F1G1C104A116	C 0.1UF 16V	1	
	C2301	F1G1C104A116	C 0.1UF 16V	1	
	C2302	F1G1C104A116	C 0.1UF 16V	1	
	C2304	F1J1E105A231	C 1 UF 25V	1	
	C2309	F1K1E106A136	C 10UF, 25V	1	
	C2312	F1K1E106A136	C 10UF, 25V	1	
	C2313	F1G1H102A730	C 1000PF 50V	1	
	C2314	F1J1E105A231	C 1 UF 25V	1	
	C2317	F1J1E105A231	C 1 UF 25V	1	
	C2320	F1J1E105A231	C 1 UF 25V	1	
	C4546	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C4547	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C4662	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C4663	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C4664	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C4665	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C4666	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C4667	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C5058	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C8015	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C8016	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C8042	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C8048	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C8073	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C8074	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C8075	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C8093	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C8099	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C8104	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C8127	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C9347	ECJ1VB0J105K	C 1UF, 6.3V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C9352	ECJ1VB0J105K	C 1UF, 6.3V	1	
	C2961	ECJ1VB1A105K	C 1UF, 10V	1	
	C2965	ECJ1VB1A105K	C 1UF, 10V	1	
	C3022	ECJ1VB1A105K	C 1UF, 10V	1	
	C3023	ECJ1VB1A105K	C 1UF, 10V	1	
	C3031	ECJ1VB1A105K	C 1UF, 10V	1	
	C3032	ECJ1VB1A105K	C 1UF, 10V	1	
	C3111	ECJ1VB1A105K	C 1UF, 10V	1	
	C3112	ECJ1VB1A105K	C 1UF, 10V	1	
	C3149	ECJ1VB1A105K	C 1UF, 10V	1	
	C3150	ECJ1VB1A105K	C 1UF, 10V	1	
	C3157	ECJ1VB1A105K	C 1UF, 10V	1	
	C3158	ECJ1VB1A105K	C 1UF, 10V	1	
	C5649	ECJ1VB1A105K	C 1UF, 10V	1	
	C16315	ECJ1VB1A105K	C 1UF, 10V	1	
	C16317	ECJ1VB1A105K	C 1UF, 10V	1	
	C16856	ECJ1VB1A105K	C 1UF, 10V	1	
	C16858	ECJ1VB1A105K	C 1UF, 10V	1	
	C16860	ECJ1VB1A105K	C 1UF, 10V	1	
	C16862	ECJ1VB1A105K	C 1UF, 10V	1	
	C17104	ECJ1VB1A105K	C 1UF, 10V	1	
	C17105	ECJ1VB1A105K	C 1UF, 10V	1	
	C17107	ECJ1VB1A105K	C 1UF, 10V	1	
	C17108	ECJ1VB1A105K	C 1UF, 10V	1	
	C17208	ECJ1VB1A105K	C 1UF, 10V	1	
	C17209	ECJ1VB1A105K	C 1UF, 10V	1	
	C17216	ECJ1VB1A105K	C 1UF, 10V	1	
	C17217	ECJ1VB1A105K	C 1UF, 10V	1	
	C16791	EEUFC1E221	E 220UF, 25V	1	
	C16793	EEUFC1E221	E 220UF, 25V	1	
	C16193	EEUFC1E470	E 47UF, 25V	1	
	C16018	F0C2E155A252	C 1.5UF, 250V	1	
	C16412	F0C2E155A252	C 1.5UF, 250V	1	
	C16105	F1E2J221A002	C 220PF, 630V	1	PAVCTH
	C16106	F1E2J221A002	C 220PF, 630V	1	PAVCTH
	C16460	F1E2J222A002	C 2200PF, 630V	1	
	C16461	F1E2J331A002	C 330PF, 630V	1	PAVCTH
	C16641	F1E2J332A002	C 3300PF, 630V	1	
	C16642	F1E2J332A002	C 3300PF, 630V	1	
	C16463	F1E2J472A001	C 4700PF, 630V	1	
	C5606	F1G1A154A053	C 0.15UF, 10V	1	
	C2919	F1G1C103A116	C 0.01UF 16V	1	
	C8862	F1G1C103A116	C 0.01UF 16V	1	
	C8950	F1G1C103A116	C 0.01UF 16V	1	
	C2907	F1G1C104A116	C 0.1UF 16V	1	
	C2908	F1G1C104A116	C 0.1UF 16V	1	
	C2910	F1G1C104A116	C 0.1UF 16V	1	
	C2911	F1G1C104A116	C 0.1UF 16V	1	
	C2959	F1G1C104A116	C 0.1UF 16V	1	
	C3003	F1G1C104A116	C 0.1UF 16V	1	
	C3004	F1G1C104A116	C 0.1UF 16V	1	
	C3016	F1G1C104A116	C 0.1UF 16V	1	
	C3018	F1G1C104A116	C 0.1UF 16V	1	
	C3019	F1G1C104A116	C 0.1UF 16V	1	
	C4701	F1G1C104A116	C 0.1UF 16V	1	
	C4702	F1G1C104A116	C 0.1UF 16V	1	
	C4704	F1G1C104A116	C 0.1UF 16V	1	
	C4705	F1G1C104A116	C 0.1UF 16V	1	
	C4707	F1G1C104A116	C 0.1UF 16V	1	
	C4708	F1G1C104A116	C 0.1UF 16V	1	
	C5000	F1G1C104A116	C 0.1UF 16V	1	
	C5001	F1G1C104A116	C 0.1UF 16V	1	
	C5002	F1G1C104A116	C 0.1UF 16V	1	
	C5003	F1G1C104A116	C 0.1UF 16V	1	
	C5055	F1G1C104A116	C 0.1UF 16V	1	
	C5100	F1G1C104A116	C 0.1UF 16V	1	
	C5471	F1G1C104A116	C 0.1UF 16V	1	
	C5472	F1G1C104A116	C 0.1UF 16V	1	
	C5631	F1G1C104A116	C 0.1UF 16V	1	
	C8000	F1G1C104A116	C 0.1UF 16V	1	
	C8001	F1G1C104A116	C 0.1UF 16V	1	
	C8002	F1G1C104A116	C 0.1UF 16V	1	
	C8003	F1G1C104A116	C 0.1UF 16V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C8004	F1G1C104A116	C 0.1UF 16V	1	
	C8005	F1G1C104A116	C 0.1UF 16V	1	
	C8006	F1G1C104A116	C 0.1UF 16V	1	
	C8007	F1G1C104A116	C 0.1UF 16V	1	
	C8008	F1G1C104A116	C 0.1UF 16V	1	
	C8009	F1G1C104A116	C 0.1UF 16V	1	
	C8010	F1G1C104A116	C 0.1UF 16V	1	
	C8011	F1G1C104A116	C 0.1UF 16V	1	
	C8012	F1G1C104A116	C 0.1UF 16V	1	
	C8013	F1G1C104A116	C 0.1UF 16V	1	
	C8014	F1G1C104A116	C 0.1UF 16V	1	
	C8017	F1G1C104A116	C 0.1UF 16V	1	
	C8019	F1G1C104A116	C 0.1UF 16V	1	
	C8020	F1G1C104A116	C 0.1UF 16V	1	
	C8021	F1G1C104A116	C 0.1UF 16V	1	
	C8037	F1G1C104A116	C 0.1UF 16V	1	
	C8045	F1G1C104A116	C 0.1UF 16V	1	
	C8046	F1G1C104A116	C 0.1UF 16V	1	
	C8047	F1G1C104A116	C 0.1UF 16V	1	
	C8050	F1G1C104A116	C 0.1UF 16V	1	
	C8051	F1G1C104A116	C 0.1UF 16V	1	
	C8052	F1G1C104A116	C 0.1UF 16V	1	
	C8053	F1G1C104A116	C 0.1UF 16V	1	
	C8054	F1G1C104A116	C 0.1UF 16V	1	
	C8055	F1G1C104A116	C 0.1UF 16V	1	
	C8056	F1G1C104A116	C 0.1UF 16V	1	
	C8057	F1G1C104A116	C 0.1UF 16V	1	
	C8058	F1G1C104A116	C 0.1UF 16V	1	
	C8062	F1G1C104A116	C 0.1UF 16V	1	
	C8063	F1G1C104A116	C 0.1UF 16V	1	
	C8067	F1G1C104A116	C 0.1UF 16V	1	
	C8068	F1G1C104A116	C 0.1UF 16V	1	
	C8069	F1G1C104A116	C 0.1UF 16V	1	
	C8070	F1G1C104A116	C 0.1UF 16V	1	
	C8076	F1G1C104A116	C 0.1UF 16V	1	
	C8091	F1G1C104A116	C 0.1UF 16V	1	
	C8097	F1G1C104A116	C 0.1UF 16V	1	
	C8105	F1G1C104A116	C 0.1UF 16V	1	
	C8108	F1G1C104A116	C 0.1UF 16V	1	
	C8110	F1G1C104A116	C 0.1UF 16V	1	
	C8111	F1G1C104A116	C 0.1UF 16V	1	
	C8112	F1G1C104A116	C 0.1UF 16V	1	
	C8113	F1G1C104A116	C 0.1UF 16V	1	
	C8114	F1G1C104A116	C 0.1UF 16V	1	
	C8115	F1G1C104A116	C 0.1UF 16V	1	
	C8116	F1G1C104A116	C 0.1UF 16V	1	
	C8117	F1G1C104A116	C 0.1UF 16V	1	
	C8120	F1G1C104A116	C 0.1UF 16V	1	
	C8123	F1G1C104A116	C 0.1UF 16V	1	
	C8853	F1G1C104A116	C 0.1UF 16V	1	
	C8854	F1G1C104A116	C 0.1UF 16V	1	
	C8861	F1G1C104A116	C 0.1UF 16V	1	
	C8922	F1G1C104A116	C 0.1UF 16V	1	
	C8923	F1G1C104A116	C 0.1UF 16V	1	
	C9040	F1G1C104A116	C 0.1UF 16V	1	
	C9052	F1G1C104A116	C 0.1UF 16V	1	
	C9116	F1G1C104A116	C 0.1UF 16V	1	
	C9300	F1G1C104A116	C 0.1UF 16V	1	
	C9303	F1G1C104A116	C 0.1UF 16V	1	
	C9307	F1G1C104A116	C 0.1UF 16V	1	
	C9308	F1G1C104A116	C 0.1UF 16V	1	
	C9311	F1G1C104A116	C 0.1UF 16V	1	
	C9313	F1G1C104A116	C 0.1UF 16V	1	
	C9315	F1G1C104A116	C 0.1UF 16V	1	
	C9319	F1G1C104A116	C 0.1UF 16V	1	
	C9322	F1G1C104A116	C 0.1UF 16V	1	
	C9323	F1G1C104A116	C 0.1UF 16V	1	
	C9325	F1G1C104A116	C 0.1UF 16V	1	
	C9327	F1G1C104A116	C 0.1UF 16V	1	
	C9339	F1G1C104A116	C 0.1UF 16V	1	
	C9340	F1G1C104A116	C 0.1UF 16V	1	
	C9342	F1G1C104A116	C 0.1UF 16V	1	
	C9344	F1G1C104A116	C 0.1UF 16V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C9350	F1G1C104A116	C 0.1UF 16V	1	
	C9351	F1G1C104A116	C 0.1UF 16V	1	
	C9356	F1G1C104A116	C 0.1UF 16V	1	
	C9361	F1G1C104A116	C 0.1UF 16V	1	
	C9363	F1G1C104A116	C 0.1UF 16V	1	
	C9374	F1G1C104A116	C 0.1UF 16V	1	
	C9375	F1G1C104A116	C 0.1UF 16V	1	
	C9380	F1G1C104A116	C 0.1UF 16V	1	
	C9383	F1G1C104A116	C 0.1UF 16V	1	
	C9393	F1G1C104A116	C 0.1UF 16V	1	
	C9394	F1G1C104A116	C 0.1UF 16V	1	
	C9400	F1G1C104A116	C 0.1UF 16V	1	
	C9401	F1G1C104A116	C 0.1UF 16V	1	
	C9811	F1G1C104A116	C 0.1UF 16V	1	
	C2872	F1G1E103A123	C 0.01UF 25V	1	
	C2879	F1G1E103A123	C 0.01UF 25V	1	
	C5616	F1G1E103A123	C 0.01UF 25V	1	
	C8077	F1G1E103A123	C 0.01UF 25V	1	
	C9101	F1G1E103A123	C 0.01UF 25V	1	
	C9103	F1G1E103A123	C 0.01UF 25V	1	
	C9108	F1G1E103A123	C 0.01UF 25V	1	
	C9816	F1G1E103A123	C 0.01UF 25V	1	
	C9900	F1G1E103A123	C 0.01UF 25V	1	
	C3108	F1G1E333A091	C 0.033UF 25V	1	
	C3109	F1G1E333A091	C 0.033UF 25V	1	
	C8081	F1G1H100A731	C 10PF 50V	1	
	C9806	F1G1H101A731	C 100PF 50V	1	
	C2325	F1G1H102A730	C 1000PF 50V	1	
	C2349	F1G1H102A730	C 1000PF 50V	1	
	C2351	F1G1H102A730	C 1000PF 50V	1	
	C2353	F1G1H102A730	C 1000PF 50V	1	
	C2355	F1G1H102A730	C 1000PF 50V	1	
	C5004	F1G1H102A730	C 1000PF 50V	1	
	C8600	F1G1H102A730	C 1000PF 50V	1	
	C9809	F1G1H102A730	C 1000PF 50V	1	
	C8079	F1G1H120A731	C 12PF, 50V	1	
	C9301	F1G1H150A731	C 15PF, 50V	1	
	C9302	F1G1H180A731	C 18PF, 50V	1	
	C9807	F1G1H201A731	C 200 PF, 50V	1	
	C16712	F1G1H201A731	C 200 PF, 50V	1	
	C2917	F1G1H222A730	C 2200PF, 50V	1	
	C8080	F1G1H8R0A732	C 8 PF, 50V	1	
	C8082	F1G1H8R0A732	C 8 PF, 50V	1	
	C2966	F1H1A225A051	C 2.2UF, 10V	1	
	C5615	F1H1A225A051	C 2.2UF, 10V	1	
	C5650	F1H1A225A051	C 2.2UF, 10V	1	
	C5101	F1H1A474A084	C 0.47UF, 10V	1	
	C2521	F1H1C104A143	C 0.1UF, 16V	1	
	C5608	F1H1C104A143	C 0.1UF, 16V	1	
	C5609	F1H1C104A143	C 0.1UF, 16V	1	
	C5633	F1H1C104A143	C 0.1UF, 16V	1	
	C5634	F1H1C104A143	C 0.1UF, 16V	1	
	C16316	F1H1C104A143	C 0.1UF, 16V	1	
	C16857	F1H1C104A143	C 0.1UF, 16V	1	
	C16861	F1H1C104A143	C 0.1UF, 16V	1	
	C17113	F1H1C104A143	C 0.1UF, 16V	1	
	C17210	F1H1C104A143	C 0.1UF, 16V	1	
	C17214	F1H1C104A143	C 0.1UF, 16V	1	
	C16103	F1H1E470A130	C 47PF, 25V	1	
	C16104	F1H1E470A130	C 47PF, 25V	1	
	C16593	F1H1H102A971	C 1000PF, 50V	1	
	C16602	F1H1H220A971	C 22PF, 50V	1	
	C16707	F1H1H220A971	C 22PF, 50V	1	
	C16608	F1H1H221A971	C 220PF, 50V	1	
	C16675	F1H1H391A971	C 390PF, 50V	1	
	C2878	F1H1H472A970	C 4700PF, , 50V	1	
	C16664	F1H1H680A971	C 68PF, 50V	1	
	C16665	F1H1H680A971	C 68PF, 50V	1	
	C16666	F1H1H680A971	C 68PF, 50V	1	
	C8064	F1J0G2260001	C 22 UF 4 V	1	
	C8863	F1J0G226A001	C 22 UF 4 V	1	
	C5155	F1J0J106A004	C 10 UF 6.3 V	1	
	C5156	F1J0J106A004	C 10 UF 6.3 V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C5157	F1J0J106A004	C 10 UF 6.3 V	1	
	C5158	F1J0J106A004	C 10 UF 6.3 V	1	
	C5159	F1J0J106A004	C 10 UF 6.3 V	1	
	C5160	F1J0J106A004	C 10 UF 6.3 V	1	
	C2511	F1J1A106A087	C 10UF, 10V	1	
	C2824	F1J1A106A087	C 10UF, 10V	1	
	C2873	F1J1A106A087	C 10UF, 10V	1	
	C2874	F1J1A106A087	C 10UF, 10V	1	
	C3011	F1J1A106A087	C 10UF, 10V	1	
	C3015	F1J1A106A087	C 10UF, 10V	1	
	C3024	F1J1A106A087	C 10UF, 10V	1	
	C3025	F1J1A106A087	C 10UF, 10V	1	
	C3026	F1J1A106A087	C 10UF, 10V	1	
	C3113	F1J1A106A087	C 10UF, 10V	1	
	C3116	F1J1A106A087	C 10UF, 10V	1	
	C3117	F1J1A106A087	C 10UF, 10V	1	
	C3118	F1J1A106A087	C 10UF, 10V	1	
	C3123	F1J1A106A087	C 10UF, 10V	1	
	C3159	F1J1A106A087	C 10UF, 10V	1	
	C3160	F1J1A106A087	C 10UF, 10V	1	
	C3161	F1J1A106A087	C 10UF, 10V	1	
	C3162	F1J1A106A087	C 10UF, 10V	1	
	C3163	F1J1A106A087	C 10UF, 10V	1	
	C3164	F1J1A106A087	C 10UF, 10V	1	
	C3165	F1J1A106A087	C 10UF, 10V	1	
	C8022	F1J1A106A087	C 10UF, 10V	1	
	C8023	F1J1A106A087	C 10UF, 10V	1	
	C8024	F1J1A106A087	C 10UF, 10V	1	
	C8035	F1J1A106A087	C 10UF, 10V	1	
	C8036	F1J1A106A087	C 10UF, 10V	1	
	C8044	F1J1A106A087	C 10UF, 10V	1	
	C8085	F1J1A106A087	C 10UF, 10V	1	
	C8100	F1J1A106A087	C 10UF, 10V	1	
	C8101	F1J1A106A087	C 10UF, 10V	1	
	C8124	F1J1A106A087	C 10UF, 10V	1	
	C8125	F1J1A106A087	C 10UF, 10V	1	
	C8126	F1J1A106A087	C 10UF, 10V	1	
	C9100	F1J1A106A087	C 10UF, 10V	1	
	C9312	F1J1A106A087	C 10UF, 10V	1	
	C9314	F1J1A106A087	C 10UF, 10V	1	
	C9316	F1J1A106A087	C 10UF, 10V	1	
	C9335	F1J1A106A087	C 10UF, 10V	1	
	C9336	F1J1A106A087	C 10UF, 10V	1	
	C9337	F1J1A106A087	C 10UF, 10V	1	
	C9349	F1J1A106A087	C 10UF, 10V	1	
	C9371	F1J1A106A087	C 10UF, 10V	1	
	C9372	F1J1A106A087	C 10UF, 10V	1	
	C9373	F1J1A106A087	C 10UF, 10V	1	
	C9391	F1J1A106A087	C 10UF, 10V	1	
	C9392	F1J1A106A087	C 10UF, 10V	1	
	C9817	F1J1A106A087	C 10UF, 10V	1	
	C9819	F1J1A106A087	C 10UF, 10V	1	
	C16244	F1J1A106A087	C 10UF, 10V	1	
	C16561	F1J1A106A087	C 10UF, 10V	1	
	C16794	F1J1A106A087	C 10UF, 10V	1	
	C5050	F1J1A475A087	C 4.7UF, 10V	1	
	C5607	F1J1A475A087	C 4.7UF, 10V	1	
	C5632	F1J1A475A087	C 4.7UF, 10V	1	
	C5651	F1J1A475A087	C 4.7UF, 10V	1	
	C5652	F1J1A475A087	C 4.7UF, 10V	1	
	C2324	F1J1E105A231	C 1 UF 25V	1	
	C2751	F1J1E105A231	C 1 UF 25V	1	
	C2884	F1J1E105A231	C 1 UF 25V	1	
	C5611	F1J1E105A231	C 1 UF 25V	1	
	C5722	F1J1E105A231	C 1 UF 25V	1	
	C16318	F1J1H104A835	C 0.1UF, 50V	1	
	C16319	F1J1H104A835	C 0.1UF, 50V	1	
	C16843	F1J1H104A835	C 0.1UF, 50V	1	
	C16844	F1J1H104A835	C 0.1UF, 50V	1	
	C16854	F1J1H104A835	C 0.1UF, 50V	1	
	C16859	F1J1H104A835	C 0.1UF, 50V	1	
	C16863	F1J1H104A835	C 0.1UF, 50V	1	
	C16864	F1J1H104A835	C 0.1UF, 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C2334	F1J1H474A757	C 0.47UF, 50V	1	
	C2337	F1J1H474A757	C 0.47UF, 50V	1	
	C5617	F1K0J226A008	C 22UF, 6.3V	1	
	C5618	F1K0J226A008	C 22UF, 6.3V	1	
	C5619	F1K0J226A008	C 22UF, 6.3V	1	
	C5620	F1K0J226A008	C 22UF, 6.3V	1	
	C5621	F1K0J226A008	C 22UF, 6.3V	1	
	C5622	F1K0J226A008	C 22UF, 6.3V	1	
	C5641	F1K0J226A008	C 22UF, 6.3V	1	
	C5642	F1K0J226A008	C 22UF, 6.3V	1	
	C5643	F1K0J226A008	C 22UF, 6.3V	1	
	C5658	F1K0J226A008	C 22UF, 6.3V	1	
	C5659	F1K0J226A008	C 22UF, 6.3V	1	
	C5660	F1K0J226A008	C 22UF, 6.3V	1	
	C9066	F1K0J226A008	C 22UF, 6.3V	1	
	C9814	F1K0J226A008	C 22UF, 6.3V	1	
	C9815	F1K0J226A008	C 22UF, 6.3V	1	
	C9825	F1K0J226A008	C 22UF, 6.3V	1	
	C16135	F1K1E105A029	C 1UF, 25V	1	
	C16195	F1K1E105A029	C 1UF, 25V	1	
	C16472	F1K1E105A029	C 1UF, 25V	1	
	C16501	F1K1E105A029	C 1UF, 25V	1	
	C16505	F1K1E105A029	C 1UF, 25V	1	
	C16521	F1K1E105A029	C 1UF, 25V	1	
	C16533	F1K1E105A029	C 1UF, 25V	1	
	C16581	F1K1E105A029	C 1UF, 25V	1	
	C16723	F1K1E105A029	C 1UF, 25V	1	
	C16773	F1K1E105A029	C 1UF, 25V	1	
	C16891	F1K1E105A029	C 1UF, 25V	1	
	C2356	F1K1E106A136	C 10UF, 25V	1	
	C2357	F1K1E106A136	C 10UF, 25V	1	
	C2871	F1K1E106A136	C 10UF, 25V	1	
	C2885	F1K1E106A136	C 10UF, 25V	1	
	C2886	F1K1E106A136	C 10UF, 25V	1	
	C5600	F1K1E106A136	C 10UF, 25V	1	
	C5601	F1K1E106A136	C 10UF, 25V	1	
	C5603	F1K1E106A136	C 10UF, 25V	1	
	C5604	F1K1E106A136	C 10UF, 25V	1	
	C5625	F1K1E106A136	C 10UF, 25V	1	
	C5626	F1K1E106A136	C 10UF, 25V	1	
	C5628	F1K1E106A136	C 10UF, 25V	1	
	C5629	F1K1E106A136	C 10UF, 25V	1	
	C9102	F1K1E106A136	C 10UF, 25V	1	
	C9106	F1K1E106A136	C 10UF, 25V	1	
	C9804	F1K1E106A136	C 10UF, 25V	1	
	C9805	F1K1E106A136	C 10UF, 25V	1	
	C9812	F1K1E106A136	C 10UF, 25V	1	
	C9813	F1K1E106A136	C 10UF, 25V	1	
	C16131	F1K1E475A134	C 4.7UF 25V	1	
	C16133	F1K1E475A134	C 4.7UF 25V	1	
	C16191	F1K1E475A134	C 4.7UF 25V	1	
	C16502	F1K1E475A134	C 4.7UF 25V	1	
	C16504	F1K1E475A134	C 4.7UF 25V	1	
	C16522	F1K1E475A134	C 4.7UF 25V	1	
	C16524	F1K1E475A134	C 4.7UF 25V	1	
	C16525	F1K1E475A134	C 4.7UF 25V	1	
	C16527	F1K1E475A134	C 4.7UF 25V	1	
	C16582	F1K1E475A134	C 4.7UF 25V	1	
	C16724	F1K1E475A134	C 4.7UF 25V	1	
	C16753	F1K1E475A134	C 4.7UF 25V	1	
	C16755	F1K1E475A134	C 4.7UF 25V	1	
	C16756	F1K1E475A134	C 4.7UF 25V	1	
	C16603	F1K2J102A014	C 1000PF, 630V	1	
	C16604	F1K2J102A014	C 1000PF, 630V	1	
	C16661	F1K2J102A038	C 1000PF, 630V	1	
	C16662	F1K2J102A038	C 1000PF, 630V	1	
	C17109	F1L2A334A031	C 0.33 UF 200 V	1	
	C17110	F1L2A334A031	C 0.33 UF 200 V	1	
	C17111	F1L2A334A031	C 0.33 UF 200 V	1	
	C17112	F1L2A334A031	C 0.33 UF 200 V	1	
	C17211	F1L2A334A031	C 0.33 UF 200 V	1	
	C17212	F1L2A334A031	C 0.33 UF 200 V	1	
	C17215	F1L2A334A031	C 0.33 UF 200 V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C17218	F1L2A334A031	C 0.33 UF 200 V	1	
	C16001	F1L2J1020001	C 1000PF, 630V	1	
	C16022	F1L2J1020001	C 1000PF, 630V	1	
	C16101	F1L2J1020001	C 1000PF, 630V	1	
	C16471	F1L2J1020001	C 1000PF, 630V	1	
	C16491	F1L2J1020001	C 1000PF, 630V	1	
	C16892	F1L2J1020001	C 1000PF, 630V	1	
	C16727	F1L2J1520001	C 1500PF, 630V	1	
	C16004	F1L2J222A022	C 2200PF, 630V	1	
	C16002	F1L2J562A022	C 5600PF, 630V	1	
	C16102	F1L2J562A022	C 5600PF, 630V	1	
	C16401	F1L2J562A022	C 5600PF, 630V	1	
	C16421	F1L2J562A022	C 5600PF, 630V	1	
	C16272	F2A1E471A102	E 470UF, 25V	1	
	C16503	F2A1E471A102	E 470UF, 25V	1	
	C16523	F2A1E471A102	E 470UF, 25V	1	
	C16795	F2A1E471A102	E 470UF, 25V	1	
	C16796	F2A1E471A102	E 470UF, 25V	1	
	C16721	F2A1H101A128	E 100UF, 50V	1	
	C16691	F2A2C101A097	E 100UF, 160V	1	
	C16842	F2A2C101A097	E 100UF, 160V	1	
	C16328	F2A2D201A226	E 200UF, 200V	1	
	C16813	F2A2T221A015	E 220UF, 220V	1	PAVCTH
	C16011	F2A2T251A004	E 250UF, 220V	1	
	C16012	F2A2T251A004	E 250UF, 220V	1	
	C16310	F2A2T251A004	E 250UF, 220V	1	
	C16411	F2A2T251A004	E 250UF, 220V	1	
	C16413	F2A2T251A004	E 250UF, 220V	1	
	C16414	F2A2T251A004	E 250UF, 220V	1	
	C5052	F2G1A221A149	E 220UF, 10V	1	
	C8860	F2G1C470A022	E 47UF, 16V	1	
	C2905	F2H1A101A009	E 100 UF, 10V	1	
	C3119	F2H1A101A009	E 100 UF, 10V	1	
	C3122	F2H1A101A009	E 100 UF, 10V	1	
	C2883	F2H1E470A007	E 47UF, 25V	1	
	CB1	K1MY55B00002	55P CONNECTOR	1	
	CB2	K1MY55B00002	55P CONNECTOR	1	
	CB3	K1MY55B00002	55P CONNECTOR	1	
	CB4	K1MY55B00002	55P CONNECTOR	1	
	CB5	K1MY55B00002	55P CONNECTOR	1	
	CB6	K1MY55B00002	55P CONNECTOR	1	
	CB7	K1MY55B00002	55P CONNECTOR	1	
	CB8	K1MY55B00002	55P CONNECTOR	1	
	CN0102	K1KA11A00178	11P CONNECTOR	1	
	D1101	B0JCCE000008	DIODE	1	
	D2014	B0ACCJ000048	DIODE	1	
	D2520	B3AGB0000060	LED	1	PAVCTH
	D2870	B0JCME000092	DIODE	1	
	D3105	DZ2J140M0L	ZENER DIODE	1	PAVCTH
	D3106	DZ2J140M0L	ZENER DIODE	1	PAVCTH
	D3107	DZ2J140M0L	ZENER DIODE	1	PAVCTH
	D3108	DZ2J140M0L	ZENER DIODE	1	PAVCTH
	D3109	DZ2J140M0L	ZENER DIODE	1	PAVCTH
	D4702	B0ACCJ000048	DIODE	1	
	D4704	B0JCCE000008	DIODE	1	
	D4719	B0ACCJ000048	DIODE	1	
	D4721	B0JCCE000008	DIODE	1	
	D4735	B0ACCJ000048	DIODE	1	
	D4737	B0JCCE000008	DIODE	1	
	D5000	B0ADCJ000100	DIODE	1	
	D5051	B0JCME000076	DIODE	1	
	D5052	B0ACCJ000048	DIODE	1	
	D5100	B0ADEJ000035	ZENER DIODE	1	
	D5471	B0ACCJ000048	DIODE	1	
	D5472	B0ADEJ000035	ZENER DIODE	1	
	D5475	B0ADCJ000100	DIODE	1	
	D5476	DZ2J068M0L	ZENER DIODE	1	
	D5477	DZ2J068M0L	ZENER DIODE	1	
	D5478	B0ADCJ000100	DIODE	1	
	D5479	B0ADCJ000100	DIODE	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	D5480	B0ADCJ000100	DIODE	1	
	D5481	DZ2J120M0L	ZENER DIODE	1	
	D5482	DZ2J120M0L	ZENER DIODE	1	
	D5483	DZ2J068M0L	ZENER DIODE	1	
	D5484	DZ2J068M0L	ZENER DIODE	1	
	D5485	DZ2J068M0L	ZENER DIODE	1	
	D5486	DZ2J068M0L	ZENER DIODE	1	
	D5602	DZ2J056M0L	ZENER DIODE	1	
	D5605	B0HCMM000014	DIODE	1	
	D9804	B0JCPG000030	DIODE	1	
	D9806	B0ADCJ000100	DIODE	1	
	D9807	B0ADCJ000100	DIODE	1	
	D16001	B0FCCN000003	DIODE	1	PAVCTH
	D16021	B0FCCN000003	DIODE	1	PAVCTH
	D16022	B0FCCN000003	DIODE	1	PAVCTH
	D16101	B0JCME000093	DIODE	1	
	D16131	B0ECKP000055	DIODE	1	
	D16192	B0ACCJ000048	DIODE	1	
	D16195	B0ECKP000055	DIODE	1	
	D16196	DZ2J200M0L	ZENER DIODE	1	
	D16280	B0ACCJ000048	DIODE	1	
	D16281	DZ2J051M0L	ZENER DIODE	1	
	D16282	DZ2J068M0L	ZENER DIODE	1	
	D16285	B0ADEJ000035	ZENER DIODE	1	
	D16315	DZ2J150M0L	ZENER DIODE	1	
	D16316	B0ECKP000055	DIODE	1	
	D16317	B0ECKP000055	DIODE	1	
	D16401	DA3DF50ACSLW	ZENER DIODE	1	
	D16407	B0JCME000093	DIODE	1	
	D16411	B0ACCJ000048	DIODE	1	
	D16421	B0FACP000006	DIODE	1	
	D16441	B0ECHR000001	DIODE	1	
	D16451	B0ECHR000001	DIODE	1	
	D16462	B0FACQ000001	DIODE	1	
	D16473	B0ACCJ000048	DIODE	1	
	D16474	B0ACCJ000048	DIODE	1	
	D16475	DZ2J051M0L	ZENER DIODE	1	
	D16477	DZ2J047L0L	ZENER DIODE	1	
	D16478	B0ACCJ000048	DIODE	1	
	D16480	B0ACCJ000048	DIODE	1	
	D16481	B0FACQ000002	DIODE	1	
	D16490	B0ECKP000055	DIODE	1	
	D16492	DZ2J047M0L	ZENER DIODE	1	
	D16493	B0ADCJ000100	DIODE	1	
	D16494	B0ADCJ000100	DIODE	1	
	D16497	B0ECKP000055	DIODE	1	
	D16503	B0ECHR000001	DIODE	1	
	D16522	B0ECHR000001	DIODE	1	
	D16534	B0ECHR000001	DIODE	1	
	D16536	B0ECHR000001	DIODE	1	
	D16583	B3ABB0000210	LED	1	
	D16602	DZ2J150M0L	ZENER DIODE	1	
	D16604	B0ADCJ000100	DIODE	1	
	D16605	DZ2J051L0L	ZENER DIODE	1	
	D16607	B0ACCJ000048	DIODE	1	
	D16610	B0ACCJ000048	DIODE	1	
	D16618	B0ECKP000055	DIODE	1	
	D16620	B0ECKP000055	DIODE	1	
	D16641	B0FBCN000007	DIODE	1	
	D16642	B0FBCN000007	DIODE	1	
	D16662	DZ2J330M0L	ZENER DIODE	1	
	D16663	DZ2J330M0L	ZENER DIODE	1	
	D16664	DZ2J330M0L	ZENER DIODE	1	
	D16670	B0ECHR000001	DIODE	1	
	D16671	B0ACCJ000048	DIODE	1	
	D16672	B0ECHR000001	DIODE	1	
	D16678	DZ2J15000L	ZENER DIODE	1	
	D16701	B0ACCJ000048	DIODE	1	
	D16702	B0ACCJ000048	DIODE	1	
	D16710	DZ2J15000L	ZENER DIODE	1	
	D16711	B0ECHR000001	DIODE	1	
	D16712	DZ2J15000L	ZENER DIODE	1	
	D16713	B0ECHR000001	DIODE	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	D16719	B0ECKP000055	DIODE	1	
	D16720	B0ECKP000055	DIODE	1	
	D16721	B0ECHR000001	DIODE	1	
	D16722	DA3DF30ACSRP	ZENER DIODE	1	PAVCTH
	D16724	DA3DF30ACSLW	ZENER DIODE	1	PAVCTH
	D16728	B0ECKP000055	DIODE	1	
	D16765	B0ECKP000055	DIODE	1	
	D16790	B0JCME000093	DIODE	1	
	D16820	B0ACCJ000048	DIODE	1	
	D16821	DZ2J330M0L	ZENER DIODE	1	
	D16822	B0ADCJ000100	DIODE	1	
	D16824	DZ2J330M0L	ZENER DIODE	1	
	D16825	DZ2J330M0L	ZENER DIODE	1	
	D16859	B0ECHR000001	DIODE	1	
	D16871	DZ2J330M0L	ZENER DIODE	1	
	D16874	DZ2J051M0L	ZENER DIODE	1	
	D16875	B0ACCJ000048	DIODE	1	
	D16893	DZ2J056H0L	ZENER DIODE	1	
	D16901	B0ADCJ000100	DIODE	1	
	D16920	B0ADCJ000100	DIODE	1	
	IC1000	C1ZBZ0003775	IC	1	
	IC1100	TVRR561	IC	1	PAVCTH
	IC2301	C1AB00003230	IC	1	
	IC2870	C0DBAYY00462	IC	1	
	IC2952	C0DBGYY00281	IC	1	
	IC2953	C0DBFYY00049	IC	1	
	IC3000	C1AB00003218	IC	1	
	IC3001	C0DBGYY00281	IC	1	
	IC5000	C1ZBZ0004161	IC	1	
	IC5401	C0DBGYY00884	IC	1	
	IC5600	C0DBAYY00715	IC	1	
	IC5601	C0DBAYY00715	IC	1	
	IC5603	C0DBFYY00049	IC	1	
	IC5604	C0DBGYY00578	IC	1	
	IC8001	MN2WS0125ES	IC	1	PAVCTH
	IC8921	TVRR436	IC	1	PAVCTH
	IC8950	TVRR516	IC	1	PAVCTH
	IC9300	C1AB00003259	IC	1	PAVCTH
	IC9304	TVRR578	IC	1	PAVCTH
	IC9400	C0JBAZ002692	IC	1	
	IC9401	C0JBAZ002692	IC	1	
	IC9800	C0DBAYY00605	IC	1	
	IC9801	C0DBAYY00462	IC	1	
	IC9802	C0DBEHG00006	IC	1	
	IC16131	C0ZBZ0001707	IC	1	
	IC16241	C0JBAU000088	IC	1	PAVCTH
	IC16304	MIP3900MSSCF	IC	1	
	IC16312	C0DBZMC00006	IC	1	
	IC16471	C0DBEYY00114	IC	1	
	IC16490	C0DBZMC00006	IC	1	
	IC16491	C0BBAA000008	LINEAR IC	1	
	IC16501	C0ZBZ0001708	IC	1	
	IC16521	C0ZBZ0001708	IC	1	
	IC16561	C0JBAU000088	IC	1	PAVCTH
	IC16562	C0JBAU000088	IC	1	PAVCTH
	IC16563	C0JBAB000916	IC	1	
	IC16581	C0BBBA000024	IC	1	
	IC16661	C0BBBA000024	IC	1	
	IC16692	C0DBZYY00352	IC	1	
	IC16724	C0CBADE00049	IC	1	
	IC16771	C0CBADC00072	IC	1	
	IC16773	C0JBAB000715	IC	1	
	IC16784	MIP3910MSSCF	IC	1	
	IC16785	C0DBZYY00352	IC	1	
	IC16786	MIP3910MSSCF	IC	1	
	IC16787	C0DBZYY00352	IC	1	
	IC17101	C0JBAU000088	IC	1	PAVCTH
	IC17202	C0JBAU000088	IC	1	PAVCTH
	IC17203	C0JBAZ002692	IC	1	
	JK3100A	K2HA917A0001	JACK	1	PAVCTH
	JK3107	K4AK13B00006	TERMINAL BOARD	1	PAVCTH

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	JK3304	K1FY315A0008	CONNECTOR	1	PAVCTH
	JK4700	K1FY119D0011	CONNECTOR	1	PAVCTH
	JK4701	K1FY119D0011	CONNECTOR	1	PAVCTH
	JK4702	K1FY119E0015	CONNECTOR	1	PAVCTH
	JK8850	K1NA12E00017	SD CARD CONNEC-TOR	1	
	K1	K1KA08B00270	8P CONNECTOR	1	
	L2301	J0JHC0000042	CHIP INDUCTOR	1	
	L2302	G1C3R0ZA0156	INDUCTION COIL	1	
	L2303	G1C220MA0416	INDUCTION COIL	1	
	L2304	G1C220MA0416	INDUCTION COIL	1	
	L2305	G1C220MA0416	INDUCTION COIL	1	
	L2306	G1C220MA0416	INDUCTION COIL	1	
	L2870	G1C101MA0416	INDUCTION COIL	1	PAVCTH
	L2871	J0JHC0000075	CHIP INDUCTOR	1	
	L2904	J0JCC0000278	CHIP INDUCTOR	1	
	L2909	J0JCC0000278	CHIP INDUCTOR	1	
	L2910	J0JCC0000278	CHIP INDUCTOR	1	
	L3100	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L3101	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L3102	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L3103	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L3104	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L3107	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L3114	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L3115	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L3117	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L3118	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L3119	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L3120	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L3121	J0JYC0000331	CHIP INDUCTOR	1	PAVCTH
	L4700	J0JYC0000068	CHIP INDUCTOR	1	
	L4701	J0JYC0000068	CHIP INDUCTOR	1	
	L4702	J0JYC0000068	CHIP INDUCTOR	1	
	L4703	J0JYC0000068	CHIP INDUCTOR	1	
	L4704	J0JYC0000068	CHIP INDUCTOR	1	
	L4705	J0JYC0000068	CHIP INDUCTOR	1	
	L4706	J0JYC0000068	CHIP INDUCTOR	1	
	L4707	J0JYC0000068	CHIP INDUCTOR	1	
	L4708	J0JYC0000068	CHIP INDUCTOR	1	
	L5000	J0JYC0000068	CHIP INDUCTOR	1	
	L5600	G1C2R2Z00006	INDUCTION COIL	1	
	L5601	G1C3R3Z00004	INDUCTION COIL	1	
	L5602	G1C100MA0077	INDUCTION COIL	1	
	L5603	J0JHC0000075	CHIP INDUCTOR	1	
	L5604	G1C3R3Z00005	INDUCTION COIL	1	
	L5605	G1C4R7Z00014	INDUCTION COIL	1	
	L5606	G1C100MA0077	INDUCTION COIL	1	
	L5608	J0JHC0000045	CHIP INDUCTOR	1	
	L8000	J0JHC0000045	CHIP INDUCTOR	1	
	L8001	J0JHC0000116	CHIP INDUCTOR	1	
	L8002	J0JKC0000021	CHIP INDUCTOR	1	
	L8003	J0JKC0000021	CHIP INDUCTOR	1	
	L8004	J0JHC0000045	CHIP INDUCTOR	1	
	L8005	J0JKC0000021	CHIP INDUCTOR	1	
	L8007	J0JHC0000045	CHIP INDUCTOR	1	
	L8008	J0JHC0000045	CHIP INDUCTOR	1	
	L8009	J0JHC0000045	CHIP INDUCTOR	1	
	L8010	J0JHC0000045	CHIP INDUCTOR	1	
	L8011	J0JHC0000045	CHIP INDUCTOR	1	
	L8012	J0JHC0000045	CHIP INDUCTOR	1	
	L8013	J0JHC0000045	CHIP INDUCTOR	1	
	L8014	J0JHC0000045	CHIP INDUCTOR	1	
	L8015	J0JHC0000045	CHIP INDUCTOR	1	
	L8016	J0JHC0000045	CHIP INDUCTOR	1	
	L8017	J0JHC0000045	CHIP INDUCTOR	1	
	L8018	J0JHC0000045	CHIP INDUCTOR	1	
	L8019	J0JHC0000045	CHIP INDUCTOR	1	
	L8020	J0JHC0000045	CHIP INDUCTOR	1	
	L8021	J0JHC0000045	CHIP INDUCTOR	1	
	L8022	J0JHC0000045	CHIP INDUCTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	L8023	J0JHC0000045	CHIP INDUCTOR	1	
	L8024	J0JHC0000045	CHIP INDUCTOR	1	
	L8025	J0JHC0000045	CHIP INDUCTOR	1	
	L8850	J0JHC0000045	CHIP INDUCTOR	1	
	L8920	J0JHC0000075	CHIP INDUCTOR	1	
	L9300	J0JHC0000117	CHIP INDUCTOR	1	
	L9301	J0JHC0000117	CHIP INDUCTOR	1	
	L9302	J0JHC0000117	CHIP INDUCTOR	1	
	L9800	G1C6R8Z00010	INDUCTION COIL	1	
	L9801	G1C100MA0416	INDUCTION COIL	1	
	L16011	G0ZZ00002183	PEAKING COIL	1	
	L16012	G0ZZ00002183	PEAKING COIL	1	
	L16013	G0ZZ00002183	PEAKING COIL	1	
	L16014	G0ZZ00002183	PEAKING COIL	1	
	L16103	G0ZZ00002183	PEAKING COIL	1	
	L16303	G0C471MA0049	PEAKING COIL	1	PAVCTH
	L16401	G0C1R1K00002	PEAKING COIL	1	PAVCTH
	L16411	G0C1R1K00002	PEAKING COIL	1	PAVCTH
	L16421	G0ZZ00002183	PEAKING COIL	1	
	L16422	G0ZZ00002183	PEAKING COIL	1	
	L16423	G0ZZ00002183	PEAKING COIL	1	
	L16424	G0ZZ00002183	PEAKING COIL	1	
	L16472	G0ZZ00002183	PEAKING COIL	1	
	L16698	G0C681MA0065	PEAKING COIL	1	
	L16851	G0ZZ00002183	PEAKING COIL	1	
	PA5610	K5H4022A0031	FUSE	1	
	PC16191	B3PBA0000496	IC	1	
	PC16192	B3PBA0000223	IC	1	
	PC16461	B3PBE0000054	IC	1	
	PC16480	B3PBA0000223	IC	1	
	PC16603	B3PBA0000223	IC	1	
	PC16684	B3PBA0000496	IC	1	
	PC16685	B3PBA0000496	IC	1	
	PC16722	B3PBA0000223	IC	1	
	PC16723	B3PBA0000223	IC	1	
	PC16896	B3PBA0000223	IC	1	
	PC16897	B3PBA0000223	IC	1	
	Q2101	DSA200100L	TRANSISTOR	1	
	Q2109	DSA200100L	TRANSISTOR	1	
	Q2252	DSA200100L	TRANSISTOR	1	
	Q2253	B1AAFB000002	TRANSISTOR	1	PAVCTH
	Q2254	B1AAFB000002	TRANSISTOR	1	PAVCTH
	Q2255	DSC2001S0L	TRANSISTOR	1	
	Q2301	DSA200100L	TRANSISTOR	1	
	Q2510	DSC200100L	TRANSISTOR	1	
	Q2511	DSC200100L	TRANSISTOR	1	
	Q2512	DSC200100L	TRANSISTOR	1	
	Q2903	B1CBHD000002	FET	1	
	Q2904	B1CBHD000002	FET	1	
	Q3104	DSC200100L	TRANSISTOR	1	
	Q3105	DSC200100L	TRANSISTOR	1	
	Q4512	B1HFCFA00026	TRANSISTOR	1	
	Q4513	DSA200100L	TRANSISTOR	1	
	Q4700	DSC200100L	TRANSISTOR	1	
	Q4702	DSC200100L	TRANSISTOR	1	
	Q4704	DSC200100L	TRANSISTOR	1	
	Q5000	DSC200100L	TRANSISTOR	1	
	Q5051	DSA200100L	TRANSISTOR	1	
	Q5100	DSC2001S0L	TRANSISTOR	1	
	Q5101	DSC200100L	TRANSISTOR	1	
	Q5471	DSA200100L	TRANSISTOR	1	
	Q5472	DSC2001S0L	TRANSISTOR	1	
	Q5600	B1MBDDA00003	FET	1	
	Q5601	B1MBEDA00015	FET	1	
	Q5602	DSC2001S0L	TRANSISTOR	1	
	Q5603	DSC2001S0L	TRANSISTOR	1	
	Q5604	B1MBDDA00003	FET	1	
	Q5605	B1MBEDA00015	FET	1	
	Q9900	DSC200100L	TRANSISTOR	1	
	Q9901	DSC200100L	TRANSISTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	Q16001	B1JBEN000002	TRANSISTOR	1	PAVCTH
	Q16002	B1JBEN000002	TRANSISTOR	1	PAVCTH
	Q16021	B1JBEN000002	TRANSISTOR	1	PAVCTH
	Q16022	B1JBEN000002	TRANSISTOR	1	PAVCTH
	Q16101	B1CFRM000008	FET	1	
	Q16102	B1CFRM000008	FET	1	
	Q16141	B1HFPFA00001	TRANSISTOR	1	
	Q16161	B1HFPFA00001	TRANSISTOR	1	
	Q16191	B1HFPFA00001	TRANSISTOR	1	
	Q16280	B1ABCF000231	TRANSISTOR	1	
	Q16401	B1JAEQ000010	TRANSISTOR	1	PAVCTH
	Q16402	B1JAEQ000010	TRANSISTOR	1	PAVCTH
	Q16421	B1JAEP000014	TRANSISTOR	1	PAVCTH
	Q16422	B1JAEP000014	TRANSISTOR	1	PAVCTH
	Q16441	DG3D5010CSLW	ZENER DIODE	1	PAVCTH
	Q16451	B1JAEP000012	TRANSISTOR	1	
	Q16471	B1ABCF000231	TRANSISTOR	1	
	Q16490	B1CBGD000001	FET	1	
	Q16501	B1HFPFA00001	TRANSISTOR	1	
	Q16521	B1HFPFA00001	TRANSISTOR	1	
	Q16531	B1HFPFA00001	TRANSISTOR	1	
	Q16551	B1HFPFA00001	TRANSISTOR	1	
	Q16601	B1CERR000025	FET	1	
	Q16602	DSC2001Q0L	TRANSISTOR	1	
	Q16603	DSA2001S0L	TRANSISTOR	1	
	Q16606	DSC2001Q0L	TRANSISTOR	1	
	Q16607	B1CBGD000001	FET	1	
	Q16621	B1JADN000004	TRANSISTOR	1	
	Q16661	B1JAER000010	TRANSISTOR	1	
	Q16662	DSC2001Q0L	TRANSISTOR	1	
	Q16663	DSA2001S0L	TRANSISTOR	1	
	Q16670	B1ADCN000007	TRANSISTOR	1	
	Q16671	B1ABCF000231	TRANSISTOR	1	
	Q16672	B1CBGD000001	FET	1	
	Q16675	B1ADCN000007	TRANSISTOR	1	
	Q16676	B1ABCF000231	TRANSISTOR	1	
	Q16701	B1ADCN000007	TRANSISTOR	1	
	Q16702	B1ABCF000231	TRANSISTOR	1	
	Q16762	B1HFPFA00001	TRANSISTOR	1	
	Q16801	DSA2001S0L	TRANSISTOR	1	
	Q16810	B1ABCF000231	TRANSISTOR	1	
	Q16815	B1ABCN000007	TRANSISTOR	1	
	Q16816	DSC2001Q0L	TRANSISTOR	1	
	Q16817	DSC2001Q0L	TRANSISTOR	1	
	Q16818	B1CBGD000001	FET	1	
	Q16876	B1ABCF000231	TRANSISTOR	1	
	Q16885	B1CFNG000001	FET	1	
	Q16920	B1ABCN000007	TRANSISTOR	1	
	Q16921	B1ABCN000007	TRANSISTOR	1	
	Q16930	DSC2001Q0L	TRANSISTOR	1	
	Q16931	B1ABCN000007	TRANSISTOR	1	
	Q16932	DSC2001Q0L	TRANSISTOR	1	
	R1185	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R2254	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R2258	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R2259	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R2264	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R2750	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R2820	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R5110	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R5151	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R5153	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R5155	D0GA101JA015	M 100 OHM, J,1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R9103	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R9104	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R9120	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R9145	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R9190	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R9191	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R9907	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R2257	D0GA105JA015	M 1M OHM, J,1/16W	1	
	R5052	D0GA105JA015	M 1M OHM, J,1/16W	1	
	R9321	D0GA105JA015	M 1M OHM, J,1/16W	1	
	R8007	D0GA111JA015	M 110 OHM, J.1/16W	1	
	R2104	D0GA122JA015	M 1.2KOHM, J,1/16W	1	
	R4549	D0GA151JA015	M 150 OHM, J,1/16W	1	
	R4550	D0GA151JA015	M 150 OHM, J,1/16W	1	
	R4551	D0GA151JA015	M 150 OHM, J,1/16W	1	
	R9320	D0GA152JA015	M 1.5KOHM, J,1/16W	1	
	R0948	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R0949	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R2309	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R2310	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R2870	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R3190	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R3191	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R5152	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R5471	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R5611	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R8031	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R8514	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R8606	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R8616	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R8617	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R8633	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R8661	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R8671	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R8920	D0GA222JA015	M 2.2KOHM, J,1/16W	1	
	R5607	D0GA223JA015	M 22K OHM J 1/16W	1	
	R9203	D0GA272JA015	M 2.7KOHM, J.1/16W	1	
	R1187	D0GA273JA015	M 27K OHM J ,1/16W	1	
	R5100	D0GA273JA015	M 27K OHM J ,1/16W	1	
	R9016	D0GA2R2JA014	M 2.2OHM, J,1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R4668	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R4670	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R4672	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R4703	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R4716	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R4729	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R8868	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R8872	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R8873	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R8874	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R8875	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R8876	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R8877	D0GA330JA015	M 33 OHM, J,1/16W	1	
	R3194	D0GA331JA015	M 330 OHM, J,1/16W	1	
	R3195	D0GA331JA015	M 330 OHM, J,1/16W	1	
	R2101	D0GA332JA015	M 3.3KOHM, J,1/16W	1	
	R5472	D0GA332JA015	M 3.3KOHM, J,1/16W	1	
	R9035	D0GA332JA015	M 3.3KOHM, J,1/16W	1	
	R9107	D0GA332JA015	M 3.3KOHM, J,1/16W	1	
	R3106	D0GA333JA015	M 33KOHM,J,1/16W	1	
	R3107	D0GA333JA015	M 33KOHM,J,1/16W	1	
	R3165	D0GA333JA015	M 33KOHM,J,1/16W	1	
	R3166	D0GA333JA015	M 33KOHM,J,1/16W	1	
	R3186	D0GA333JA015	M 33KOHM,J,1/16W	1	
	R3187	D0GA333JA015	M 33KOHM,J,1/16W	1	
	R9205	D0GA333JA015	M 33KOHM,J,1/16W	1	
	R2875	D0GA390JA015	M 39 OHM, J,1/16W	1	
	R9920	D0GA390JA015	M 39 OHM, J,1/16W	1	
	R5154	D0GA470JA015	M 47 OHM, J,1/16W	1	
	R8017	D0GA471JA015	M 470OHM, J,1/16W	1	
	R0966	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R0967	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R0980	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R0981	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R0984	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R0985	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R1183	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R1552	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R2102	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R2307	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R3101	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R3102	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R8950	D0GA472JA015	M 4.7KOHM, J,1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R9040	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R9903	D0GA472JA015	M 4.7KOHM, J,1/16W	1	
	R1181	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R1186	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R1503	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R1519	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R1562	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R1563	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R2255	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R2304	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R2816	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R2823	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R3119	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R3213	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R3214	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4003	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4004	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4005	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4006	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4011	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4560	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4704	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4712	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4717	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4725	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4730	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4738	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R5005	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R5007	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R5050	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R5051	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R5104	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R5610	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R5613	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R8856	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R9039	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R9105	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4552	D0GA560JA015	M 56 OHM, J,1/16W	1	
	R9206	D0GA563JA015	M 56KOHM, J,1/16W	1	
	R0900	D0GA680JA015	M 68 OHM, J,1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R0901	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R0903	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R0940	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R0941	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R0942	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R0943	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R0944	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R0945	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R3127	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R4752	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R4753	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R4754	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R4755	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R4756	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R4757	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R5600	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8488	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8489	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8490	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8491	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8492	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8493	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8494	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8495	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8496	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8497	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8499	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8610	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8622	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8636	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8645	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8857	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8859	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8860	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8861	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8862	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8863	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8900	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8923	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8924	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8925	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8926	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8927	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R8928	D0GA680JA015	M 68 OHM, J,1/16W	1	
	R2121	D0GA681JA015	M680 OHM, J,1/16W	1	
	R2908	D0GA682JA015	M6.8KOHM, J,1/16W	1	
	R2921	D0GA682JA015	M6.8KOHM, J,1/16W	1	
	R1518	D0GA683JA015	M 68KOHM, J,1/16W	1	
	R5103	D0GA683JA015	M 68KOHM, J,1/16W	1	
	R5106	D0GA683JA015	M 68KOHM, J,1/16W	1	
	R5608	D0GA683JA015	M 68KOHM, J,1/16W	1	
	R5644	D0GA752JA015	M7.5KOHM, J,1/16W	1	
	R5008	D0GA822JA015	M8.2KOHM, J,1/16W	1	
	R2107	D0GAR00Z0001	M 0 OHM, 1/16W	1	
	R2902	D0GAR00Z0001	M 0 OHM, 1/16W	1	
	R2903	D0GAR00Z0001	M 0 OHM, 1/16W	1	
	R2905	D0GAR00Z0001	M 0 OHM, 1/16W	1	
	R2918	D0GAR00Z0001	M 0 OHM, 1/16W	1	
	R9054	D0GAR00Z0001	M 0 OHM, 1/16W	1	
	R9058	D0GAR00Z0001	M 0 OHM, 1/16W	1	
	R5616	D0GB100JA041	M 10 OHM J 1/10W	1	
	R5617	D0GB100JA041	M 10 OHM J 1/10W	1	
	R5626	D0GB100JA041	M 10 OHM J 1/10W	1	
	R5627	D0GB100JA041	M 10 OHM J 1/10W	1	
	R17102	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17103	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17104	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17106	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17107	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17109	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17111	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17113	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17205	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17206	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17208	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17211	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17220	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17221	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17223	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17224	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R16330	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R16335	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R16474	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R16717	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R16829	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R16837	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R17128	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R2514	D0GB103JA057	M 10K OHM J 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R2753	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16192	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16281	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16416	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16498	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16588	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16631	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16686	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16699	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16789	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16920	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16923	D0GB103JA057	M 10K OHM J 1/10W	1	
	R2511	D0GB104JA041	M 100KOHM J 1/10W	1	
	R16610	D0GB104JA041	M 100KOHM J 1/10W	1	
	R16661	D0GB122JA041	M 1.2KOHM J 1/10W	1	
	R9324	D0GB162JA041	M 1.6KOHM J 1/10W	1	
	R9325	D0GB162JA041	M 1.6KOHM J 1/10W	1	
	R9326	D0GB162JA041	M 1.6KOHM J 1/10W	1	
	R9327	D0GB162JA041	M 1.6KOHM J 1/10W	1	
	R16937	D0GB184JA041	M 180KOHM J 1/10W	1	
	R16938	D0GB184JA041	M 180KOHM J 1/10W	1	
	R17105	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCTH
	R17108	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCTH
	R17110	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCTH
	R17115	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCTH
	R17207	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCTH
	R17212	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCTH
	R17222	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCTH
	R17225	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCTH
	R16280	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R16472	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R16587	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R16827	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R16926	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R16936	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R2512	D0GB224JA041	M 220KOHM,J,1/10W	1	
	R16284	D0GB224JA041	M 220KOHM,J,1/10W	1	
	R8011	D0GB331JA041	M330 OHM J 1/10W	1	
	R16410	D0GB391JA041	M 390 OHM,J,1/10W	1	
	R16471	D0GB392JA041	M 3.9KOHM,J,1/10W	1	
	R17124	D0GB470JA041	M 47 OHM,J,1/10W	1	
	R17210	D0GB470JA041	M 47 OHM,J,1/10W	1	
	R2515	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R2518	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16116	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16143	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16163	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16283	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16497	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16512	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16517	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16533	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16553	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16742	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16763	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16332	D0GB474JA041	M 470KOHM,J,1/10W	1	
	R16745	D0GB474JA041	M 470KOHM,J,1/10W	1	
	R16851	D0GB474JA041	M 470KOHM,J,1/10W	1	
	R16852	D0GB474JA041	M 470KOHM,J,1/10W	1	
	R16478	D0GB562JA041	M 5.6KOHM,J,1/10W	1	
	R16580	D0GB562JA041	M 5.6KOHM,J,1/10W	1	
	R17126	D0GB681JA041	M 680 OHM,J,1/10W	1	
	R17204	D0GB681JA041	M 680 OHM,J,1/10W	1	
	R2910	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	R17131	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	R17132	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	R17232	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	R17233	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	R8005	D1BA1001A014	M 1KOHM,J. 1/16W	1	
	R8006	D1BA1001A014	M 1KOHM,J. 1/16W	1	
	R2873	D1BA1002A014	M 10KOHM,J. 1/16W	1	
	R2872	D1BA1501A014	M 1.5KOHM,J.1/16W	1	PAVCTH
	R2879	D1BA1803A014	M 180KOHM,J.1/16W	1	
	R8010	D1BA3000A014	M 300 OHM.J.1/16W	1	
	R8009	D1BA56R0A014	M 56 OHM,J.1/16W	1	
	R8824	D1BA6201A014	M 6.2KOHM,J.1/16W	1	
	R5620	D1BB1001A055	M 1KOHM,J. 1/10W	1	
	R5621	D1BB1001A055	M 1KOHM,J. 1/10W	1	
	R16585	D1BB1001A055	M 1KOHM,J. 1/10W	1	
	R8003	D1BB1002A055	M 10KOHM,J.1/10W	1	
	R9873	D1BB1002A055	M 10KOHM,J.1/10W	1	
	R9878	D1BB1002A055	M 10KOHM,J.1/10W	1	
	R16933	D1BB1002A055	M 10KOHM,J.1/10W	1	
	R16679	D1BB1002A087	M 10KOHM,J.1/10W	1	
	R16680	D1BB1002A087	M 10KOHM,J.1/10W	1	
	R9890	D1BB11030002	M 110KOHM,J.1/10W	1	
	R16615	D1BB1131A055	M1.13KOHM,J.1/10W	1	PAVCTH
	R5603	D1BB1241A087	M1.24KOHM,J.1/10W	1	
	R16593	D1BB1331A055	M1.33KOHM,J.1/10W	1	PAVCTH
	R2053	D1BB1403A055	M 140KOHM,J.1/10W	1	
	R2055	D1BB1403A055	M 140KOHM,J.1/10W	1	
	R2880	D1BB1432A055	M14.3KOHM,J.1/10W	1	
	R9879	D1BB1502A055	M 15KOHM, J.1/10W	1	
	R8733	D1BB1600A055	M 160 OHM,J.1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R16586	D1BB1691A055	M1.69KOHM,J.1/10W	1	PAVCTH
	R2883	D1BB1741A055	M1.74KOHM,J.1/10W	1	
	R2519	D1BB1821A055	M1.82KOHM,J.1/10W	1	
	R16494	D1BB2001A055	M 2KOHM,J.1/10W	1	
	R5604	D1BB2001A087	M 2KOHM,J.1/10W	1	
	R5605	D1BB2002A055	M 20KOHM,J.1/10W	1	
	R9875	D1BB2002A055	M 20KOHM,J.1/10W	1	
	R5623	D1BB2202A055	M 22KOHM,J.1/10W	1	
	R16666	D1BB2202A087	M 22KOHM,J.1/10W	1	
	R5606	D1BB2402A055	M 24KOHM,J.1/10W	1	
	R5622	D1BB2402A055	M 24KOHM,J.1/10W	1	
	R8002	D1BB2402A055	M 24KOHM,J.1/10W	1	
	R8004	D1BB2402A055	M 24KOHM,J.1/10W	1	
	R5602	D1BB2701A087	M 2.7KOHM,J.1/10W	1	
	R9874	D1BB2702A055	M 27KOHM,J.1/10W	1	
	R9891	D1BB3242A055	M32.4KOHM,J.1/10W	1	
	R5618	D1BB3301A055	M 3.3KOHM,J.1/10W	1	
	R9872	D1BB3301A055	M 3.3KOHM,J.1/10W	1	
	R9877	D1BB4702A055	M 47KOHM,J.1/10W	1	
	R5619	D1BB5601A055	M 5.6KOHM,J.1/10W	1	
	R9014	D1BB5601A055	M 5.6KOHM,J.1/10W	1	
	R16607	D1BB6491A055	M6.49KOHM,J.1/10W	1	PAVCTH
	R2881	D1BB6651A055	M6.65KOHM,J.1/10W	1	
	R2516	D1BB6800A055	M 680 OHM,J.1/10W	1	
	R16934	D1BB6801A055	M 6.8KOHM,J.1/10W	1	
	R1179	D1BB7151A055	M7.15KOHM,J.1/10W	1	
	R2882	D1BB7151A055	M7.15KOHM,J.1/10W	1	
	R5601	D1BB8200A087	M 820 OHM,J.1/10W	1	
	R16584	D1BD6811A044	M6.81KOHM,J.1/8W	1	
	R16930	D1BF2R70A021	M 2.7 OHM, 1/4W	1	
	R16931	D1BF2R70A021	M 2.7 OHM, 1/4W	1	
	R16891	D1BF6982A058	M 69.8KOHM, 1/4W	1	
	R16892	D1BF8252A058	M82.50KOHM, 1/4W	1	
	R16893	D1BF8252A058	M82.50KOHM, 1/4W	1	
	R16844	ERA6YEB242	M 2.4KOHM, B 1/10W	1	
	R16873	ERA6YEB242	M 2.4KOHM, B 1/10W	1	
	R16696	ERF5TK2R2	W 2.2 OHM, K, 5W	1	
	R16309	ERG1FJS333D	M 33KOHM, J, 1W	1	
	R16838	ERG1FJS823D	M 82KOHM, J, 1W	1	
	R16774	ERG1SJ273	M 27KOHM, J, 1W	1	
	R16860	ERG2FNJS8R2E	M 8.2 OHM, J, 2W	1	
	R16320	ERJ14YJ683	M 68KOHM, J. 1/4W	1	
	R16870	ERJ14YJ683	M 68KOHM, J. 1/4W	1	
	R0957	ERJ2GEJ102X	M 1KOHM, J.1/16W	1	
	R1180	ERJ2GEJ102X	M 1KOHM, J.1/16W	1	
	R2135	ERJ2GEJ102X	M 1KOHM, J.1/16W	1	
	R4554	ERJ2GEJ102X	M 1KOHM, J.1/16W	1	
	R4711	ERJ2GEJ102X	M 1KOHM, J.1/16W	1	
	R4724	ERJ2GEJ102X	M 1KOHM, J.1/16W	1	
	R4737	ERJ2GEJ102X	M 1KOHM, J.1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R5473	ERJ2GEJ102X	M 1KOHM, J.1/16W	1	
	R8015	ERJ2GEJ102X	M 1KOHM, J.1/16W	1	
	R9318	ERJ2GEJ102X	M 1KOHM, J.1/16W	1	
	R9323	ERJ2GEJ102X	M 1KOHM, J.1/16W	1	
	R0905	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R0910	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R0911	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R0912	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R0913	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R1520	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R2069	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R2070	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R2256	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R2260	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R2263	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R2301	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R2871	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R4553	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R4556	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R4702	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R4708	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R4709	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R4715	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R4721	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R4722	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R4728	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R4734	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R4735	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R5006	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R5065	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R5474	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R5609	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R5612	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R5640	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R5641	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R5643	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R8008	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R8014	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R8032	ERJ2GEJ103	M 10KOHM, J,1/16W	1	
	R8211	ERJ2GEJ103	M 10KOHM, J,1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R8212	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8396	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8470	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8512	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8513	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8618	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8627	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8628	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8631	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8632	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8638	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8639	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8646	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8649	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8652	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8664	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8669	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8867	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8869	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8870	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8878	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R8890	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R9905	ERJ2GEJ103	M 10KOHM, J,1/16 W	1	
	R1521	ERJ2GEJ104	M100KOHM, J,1/16 W	1	
	R3128	ERJ2GEJ104	M100KOHM, J,1/16 W	1	
	R3184	ERJ2GEJ104	M100KOHM, J,1/16 W	1	
	R3185	ERJ2GEJ104	M100KOHM, J,1/16 W	1	
	R4763	ERJ2GEJ104	M100KOHM, J,1/16 W	1	
	R4764	ERJ2GEJ104	M100KOHM, J,1/16 W	1	
	R4765	ERJ2GEJ104	M100KOHM, J,1/16 W	1	
	R5101	ERJ2GEJ104	M100KOHM, J,1/16 W	1	
	R5102	ERJ2GEJ104	M100KOHM, J,1/16 W	1	
	R5642	ERJ2GEJ104	M100KOHM, J,1/16 W	1	
	R9904	ERJ2GEJ104	M100KOHM, J,1/16 W	1	
	R0982	ERJ2GEJ220	M 22 OHM, J,1/16 W	1	
	R0983	ERJ2GEJ220	M 22 OHM, J,1/16 W	1	
	R2103	ERJ2GEJ220	M 22 OHM, J,1/16 W	1	
	R2110	ERJ2GEJ220	M 22 OHM, J,1/16 W	1	
	R4548	ERJ2GEJ220	M 22 OHM, J,1/16 W	1	
	R4655	ERJ2GEJ220	M 22 OHM, J,1/16 W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R4659	ERJ2GEJ220	M 22 OHM, J,1/16 W	1	
	R4663	ERJ2GEJ220	M 22 OHM, J,1/16 W	1	
	R4739	ERJ2GEJ220	M 22 OHM, J,1/16 W	1	
	R2139	ERJ2GEJ221	M 220 OHM, J,1/ 16 W	1	
	R2308	ERJ2GEJ221	M 220 OHM, J,1/ 16 W	1	
	R2911	ERJ2GEJ221	M 220 OHM, J,1/ 16 W	1	
	R3012	ERJ2GEJ221	M 220 OHM, J,1/ 16 W	1	
	R3013	ERJ2GEJ221	M 220 OHM, J,1/ 16 W	1	
	R3014	ERJ2GEJ221	M 220 OHM, J,1/ 16 W	1	
	R3117	ERJ2GEJ221	M 220 OHM, J,1/ 16 W	1	
	R3152	ERJ2GEJ221	M 220 OHM, J,1/ 16 W	1	
	R3173	ERJ2GEJ221	M 220 OHM, J,1/ 16 W	1	
	R3174	ERJ2GEJ221	M 220 OHM, J,1/ 16 W	1	
	R5481	ERJ2GEJ221	M 220 OHM, J,1/ 16 W	1	
	R16590	ERJ3GEYJ221	M 220 OHM,J,1/ 10W	1	
	R2513	ERJ3GEYJ223	M 22KOHM,J,1/10W	1	
	R2517	ERJ3GEYJ223	M 22KOHM,J,1/10W	1	
	R16581	ERJ3GEYJ223	M 22KOHM,J,1/10W	1	
	R2510	ERJ3GEYJ470	M 47 OHM,J,1/10W	1	
	R16334	ERJ3GEYJ472	M 4.7KOHM,J,1/ 10W	1	
	R16475	ERJ3GEYJ472	M 4.7KOHM,J,1/ 10W	1	
	R16476	ERJ3GEYJ472	M 4.7KOHM,J,1/ 10W	1	
	R16675	ERJ3GEYJ472	M 4.7KOHM,J,1/ 10W	1	
	R16690	ERJ3GEYJ472	M 4.7KOHM,J,1/ 10W	1	
	R16711	ERJ3GEYJ472	M 4.7KOHM,J,1/ 10W	1	
	R16752	ERJ3GEYJ472	M 4.7KOHM,J,1/ 10W	1	
	R16772	ERJ3GEYJ472	M 4.7KOHM,J,1/ 10W	1	
	R16841	ERJ3GEYJ472	M 4.7KOHM,J,1/ 10W	1	
	R16663	ERJ3RBD6981	M6.98KOHM,D 1/ 16W	1	PAVCTH
	R16658	ERJ3RBD9761	M9.76KOHM,D 1/ 16W	1	PAVCTH
	R16785	ERJ6ENF1003	M100KOHM,F. 1/8W	1	
	R16786	ERJ6ENF1003	M100KOHM,F. 1/8W	1	
	R16921	ERJ6ENF1541	M1.54KOHM,F.1/8W	1	
	R16897	ERJ6ENF2611	M2.61KOHM,F.1/8W	1	
	R16411	ERJ6ENF2700	M 270 OHM,F.1/8W	1	
	R16899	ERJ6ENF3011	M3.01KOHM,F.1/8W	1	
	R16787	ERJ6ENF3302	M 33KOHM,F.1/8W	1	
	R16824	ERJ6ENF3302	M 33KOHM,F.1/8W	1	
	R16495	ERJ6ENF3900	M 390 OHM,F.1/8W	1	
	R16922	ERJ6ENF4021	M4.02KOHM,F.1/8W	1	
	R16822	ERJ6ENF8202	M 82KOHM,F.1/8W	1	
	R16823	ERJ6ENF8202	M 82KOHM,F.1/8W	1	
	R9914	ERJ6GEY0R00V	M 0 OHM 1/8W	1	
	R9916	ERJ6GEY0R00V	M 0 OHM 1/8W	1	
	R17130	ERJ6GEY0R00V	M 0 OHM 1/8W	1	
	R17219	ERJ6GEY0R00V	M 0 OHM 1/8W	1	
	R16746	ERJ6GEYF473	M 47KOHM,J,1/8W	1	
	R16753	ERJ6GEYF473	M 47KOHM,J,1/8W	1	
	R16473	ERJ6GEYF561	M 560 OHM,J,1/8W	1	
	R16605	ERJ6GEYG182	M 1.8KOHM,J,1/8W	1	
	R16707	ERJ6GEYG392	M 3.9KOHM,J,1/8W	1	
	R16131	ERJ6GEYJ101V	M 100 OHM,J,1/8W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R16132	ERJ6GEYJ101V	M 100 OHM,J,1/8W	1	
	R16417	ERJ6GEYJ101V	M 100 OHM,J,1/8W	1	
	R16418	ERJ6GEYJ101V	M 100 OHM,J,1/8W	1	
	R16521	ERJ6GEYJ101V	M 100 OHM,J,1/8W	1	
	R16522	ERJ6GEYJ101V	M 100 OHM,J,1/8W	1	
	R5486	ERJ6GEYJ102V	M 1K OHM J 1/8W	1	
	R16712	ERJ6GEYJ102V	M 1K OHM J 1/8W	1	
	R16773	ERJ6GEYJ102V	M 1K OHM J 1/8W	1	
	R16843	ERJ6GEYJ102V	M 1K OHM J 1/8W	1	
	R16479	ERJ6GEYJ103V	M 10KOHM J 1/8W	1	
	R16826	ERJ6GEYJ103V	M 10KOHM J 1/8W	1	
	R5485	ERJ6GEYJ104V	M 100KOHM,J,1/8W	1	
	R5061	ERJ6GEYJ150V	M 15 OHM,J,1/8W	1	
	R16191	ERJ6GEYJ151V	M 150 OHM,J,1/8W	1	
	R5475	ERJ6GEYJ221V	M 220 OHM,J,1/8W	1	
	R16282	ERJ6GEYJ221V	M 220 OHM,J,1/8W	1	
	R16621	ERJ6GEYJ221V	M 220 OHM,J,1/8W	1	
	R16684	ERJ6GEYJ221V	M 220 OHM,J,1/8W	1	
	R16685	ERJ6GEYJ221V	M 220 OHM,J,1/8W	1	
	R16617	ERJ6GEYJ222V	M 2.2KOHM.J. 1/8W	1	
	R16747	ERJ6GEYJ222V	M 2.2KOHM.J. 1/8W	1	
	R16633	ERJ6GEYJ223	M 22KOHM,J,1/8W	1	
	R16904	ERJ6GEYJ223	M 22KOHM,J,1/8W	1	
	R16927	ERJ6GEYJ223	M 22KOHM,J,1/8W	1	
	R16932	ERJ6GEYJ223	M 22KOHM,J,1/8W	1	
	R17129	D0GD224JA036	M 220 kOHM J 1/4 W	1	PAVCTH
	R17226	ERJ6GEYJ224	M 220 kOHM J 1/4 W	1	
	R9031	ERJ6GEYJ331V	M 330 OHM J 1/8W	1	
	R16604	ERJ6GEYJ331V	M 330 OHM J 1/8W	1	
	R16496	ERJ6GEYJ470V	M 47 OHM,J,1/8W	1	
	R16776	ERJ6GEYJ470V	M 47 OHM,J,1/8W	1	
	R5479	ERJ6GEYJ471	M 470 OHM,J,1/8W	1	
	R16634	ERJ6GEYJ471	M 470 OHM,J,1/8W	1	
	R5487	ERJ6GEYJ472V	M 4.7KOHM.J.1/8W	1	
	R5488	ERJ6GEYJ472V	M 4.7KOHM.J.1/8W	1	
	R5489	ERJ6GEYJ472V	M 4.7KOHM.J.1/8W	1	
	R5490	ERJ6GEYJ472V	M 4.7KOHM.J.1/8W	1	
	R5491	ERJ6GEYJ472V	M 4.7KOHM.J.1/8W	1	
	R5492	ERJ6GEYJ472V	M 4.7KOHM.J.1/8W	1	
	R5493	ERJ6GEYJ472V	M 4.7KOHM.J.1/8W	1	
	R5494	ERJ6GEYJ472V	M 4.7KOHM.J.1/8W	1	
	R9030	ERJ6GEYJ472V	M 4.7KOHM.J.1/8W	1	
	R16928	ERJ6GEYJ472V	M 4.7KOHM.J.1/8W	1	
	R16935	ERJ6GEYJ512	M 5.1KOHM,J,1/8W	1	
	R16193	ERJ6GEYJ750	M 75 OHM,J,1/8W	1	
	R16490	ERJ6RBD104	M 100KOHM.D.1/10W	1	
	R16692	ERJ6GEYJ152V	M 1.5 kOHM J 1/8 W	1	PAVCTH
	R16695	ERJ6GEYJ152V	M 1.5 kOHM J 1/8 W	1	PAVCTH
	R16801	ERJ6RBD223V	M 22KOHM,D.1/10W	1	
	R16319	ERJ6RBD242	M 2.4KOHM,D.1/10W	1	
	R16802	ERJ6RBD3322	M 33.2KOHM,D.1/10W	1	PAVCTH
	R16318	ERJ6RBD563	M 56KOHM,D.1/10W	1	
	R16845	ERJ6RBD6042	M60.4KOHM,D.1/10W	1	PAVCTH
	R16846	ERJ6RBD6042	M60.4KOHM,D.1/10W	1	PAVCTH
	R16849	ERJ6RBD6042	M60.4KOHM,D.1/10W	1	PAVCTH
	R16307	ERJ6RBD623	M 62KOHM,D.1/10W	1	
	R16831	ERJ6RBD6812	M68.1KOHM,D.1/10W	1	
	R16493	ERJ6RBD6981	M69.8 OHM,D.1/10W	1	PAVCTH
	R16832	ERJ6RBD7152	M71.50KOHM,D.1/10W	1	
	R16491	ERJ6RED114	M 110KOHM,D 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R16492	ERJ6RED124	M 120KOHM,D.1/10W	1	
	R3103	ERJ6ENF75R0V	M 75 OHM F 1/8 W	1	PAVCTH
	R3104	ERJ6ENF75R0V	M 75 OHM F 1/8 W	1	PAVCTH
	R3105	ERJ6ENF75R0V	M 75 OHM F 1/8 W	1	PAVCTH
	R3109	ERJ6ENF75R0V	M 75 OHM F 1/8 W	1	PAVCTH
	R3130	ERJ6ENF75R0V	M 75 OHM F 1/8 W	1	PAVCTH
	R3144	ERJ6ENF75R0V	M 75 OHM F 1/8 W	1	PAVCTH
	R3181	ERJ6ENF75R0V	M 75 OHM F 1/8 W	1	PAVCTH
	R3182	ERJ6ENF75R0V	M 75 OHM F 1/8 W	1	PAVCTH
	R3183	ERJ6ENF75R0V	M 75 OHM F 1/8 W	1	PAVCTH
	R3221	ERJ6ENF75R0V	M 75 OHM F 1/8 W	1	PAVCTH
	R16804	ERJ8GEYJ112	M 1.1KOHM, J,1/4W	1	
	R2318	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/4W	1	
	R2319	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/4W	1	
	R2320	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/4W	1	
	R2321	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/4W	1	
	R16105	ERJ8GEYJ474	M470KOHM, J,1/4W	1	
	R16691	ERJ8GEYJ563	M 56KOHM, J,1/4W	1	
	R16694	ERJ8GEYJ563	M 56KOHM, J,1/4W	1	
	R16103	ERJT06J100V	M 10 OHM,J,1/4W	1	
	R16104	ERJT06J100V	M 10 OHM,J,1/4W	1	
	R16109	ERJT06J100V	M 10 OHM,J,1/4W	1	
	R16141	ERJT06J100V	M 10 OHM,J,1/4W	1	
	R16161	ERJT06J100V	M 10 OHM,J,1/4W	1	
	R16503	ERJT06J100V	M 10 OHM,J,1/4W	1	
	R16506	ERJT06J100V	M 10 OHM,J,1/4W	1	
	R16531	ERJT06J100V	M 10 OHM,J,1/4W	1	
	R16551	ERJT06J100V	M 10 OHM,J,1/4W	1	
	R16681	ERJT06J100V	M 10 OHM,J,1/4W	1	
	R16761	ERJT06J100V	M 10 OHM,J,1/4W	1	
	R16765	ERJT06J100V	M 10 OHM,J,1/4W	1	
	R16751	ERJT06J154V	M 150KOHM,J,1/4W	1	
	R16783	ERJT06J154V	M 150KOHM,J,1/4W	1	
	R16825	ERJT06J154V	M 150KOHM,J,1/4W	1	
	R16101	ERJT06J221V	M 220 OHM,J,1/4W	1	
	R16102	ERJT06J221V	M 220 OHM,J,1/4W	1	
	R16750	ERJT06J273V	M 27KOHM,J,1/4W	1	PAVCTH
	R16755	ERJT06J273V	M 27KOHM,J,1/4W	1	PAVCTH
	R16665	ERJT06J330V	M 33 OHM,J,1/4W	1	
	R16612	ERJT06J470V	M 47 OHM,J,1/4W	1	
	R16134	ERJT06J750V	M 75 OHM,J,1/4W	1	
	R16504	ERJT06J750V	M 75 OHM,J,1/4W	1	
	R16523	ERJT06J750V	M 75 OHM,J,1/4W	1	
	R16524	ERJT06J750V	M 75 OHM,J,1/4W	1	
	R16769	ERJT06J750V	M 75 OHM,J,1/4W	1	
	R16664	ERJT08J102V	M 1KOHM,J, 1/3W	1	
	R16674	ERJT08J102V	M 1KOHM,J, 1/3W	1	
	R17101	ERJT08J151V	M 150 OHM,J, 1/3W	1	
	R17231	ERJT08J151V	M 150 OHM,J, 1/3W	1	
	R16137	ERJT08J1R0V	M 1 OHM,J, 1/3W	1	
	R16195	ERJT08J1R0V	M 1 OHM,J, 1/3W	1	
	R16601	ERJT08J1R0V	M 1 OHM,J, 1/3W	1	
	R16619	ERJT08J1R0V	M 1 OHM,J, 1/3W	1	
	R16929	ERJT08J1R0V	M 1 OHM,J, 1/3W	1	
	R16609	ERJT08J202V	M 2KOHM,J, 1/3W	1	
	R16289	ERJT08J334V	M 330KOHM,J, 1/3W	1	
	R16290	ERJT08J334V	M 330KOHM,J, 1/3W	1	
	R16582	ERJT08J393	M 39 KOHM,J, 1/3W	1	
	R16583	ERJT08J393	M 39 KOHM,J, 1/3W	1	
	R16441	ERJT08J5R6V	M 5.6 OHM,J, 1/3W	1	
	R16451	ERJT08J5R6V	M 5.6 OHM,J, 1/3W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R16534	ERJT08J5R6V	M 5.6 OHM,J, 1/3W	1	
	R16001	ERJT08J7R5V	M 7.5OHM,J, 1/3W	1	
	R16002	ERJT08J7R5V	M 7.5OHM,J, 1/3W	1	
	R16021	ERJT08J7R5V	M 7.5OHM,J, 1/3W	1	
	R16022	ERJT08J7R5V	M 7.5OHM,J, 1/3W	1	
	R16401	ERJT08J7R5V	M 7.5OHM,J, 1/3W	1	
	R16402	ERJT08J7R5V	M 7.5OHM,J, 1/3W	1	
	R16421	ERJT08J7R5V	M 7.5OHM,J, 1/3W	1	
	R16422	ERJT08J7R5V	M 7.5OHM,J, 1/3W	1	
	R16510	ERJT14J1R0U	M 1.0 OHM, J,1/2W	1	
	R17112	ERJT14J1R0U	M 1.0 OHM, J,1/2W	1	
	R17116	ERJT14J1R0U	M 1.0 OHM, J,1/2W	1	
	R17118	ERJT14J1R0U	M 1.0 OHM, J,1/2W	1	
	R17120	ERJT14J1R0U	M 1.0 OHM, J,1/2W	1	
	R17213	ERJT14J1R0U	M 1.0 OHM, J,1/2W	1	
	R17215	ERJT14J1R0U	M 1.0 OHM, J,1/2W	1	
	R17227	ERJT14J1R0U	M 1.0 OHM, J,1/2W	1	
	R17229	ERJT14J1R0U	M 1.0 OHM, J,1/2W	1	
	R9198	EXB28V101JX	M 100 OHM 1/32 W	1	
	R8511	EXB28V103JX	M 10KOHM 1/32 W	1	
	R8879	EXB28V103JX	M 10KOHM 1/32 W	1	
	R2302	EXB28V220J	M 22 OHM 1/32 W	1	
	R3120	EXB28V221JX	M 220 OHM 1/32 W	1	
	R0902	EXB28V680JX	M 68 OHM 1/32 W	1	
	R3123	EXB28V680JX	M 68 OHM 1/32 W	1	
	R3192	EXB28V820JX	M 82 OHM 1/32 W	1	
	R8500	EXB2HV103JV	M 10 kOHM 1/16 W	1	
	R9400	EXB2HV103JV	M 10 kOHM 1/16 W	1	
	R9401	EXB2HV103JV	M 10 kOHM 1/16 W	1	
	R9208	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R9209	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R9608	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R9609	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R9610	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R8660	EXB2HV680J	M 68 OHM 1/16 W	1	
	R8918	EXB2HV680J	M 68 OHM 1/16 W	1	
	R8919	EXB2HV680J	M 68 OHM 1/16 W	1	
	R8922	EXB2HVR000	M 0 OHM 1/16 W	1	
	R16721	EXB38V220JV	M 22 OHM 1/16 W	1	
	R16241	EXB38V470J	M 47 OHM 1/16 W	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	
	R17125	EXB38V470J	M 47 OHM 1/16 W	1	
	R17209	EXB38V470J	M 47 OHM 1/16 W	1	
	R17218	EXB38V470J	M 47 OHM 1/16 W	1	
	R16242	EXB38V472JV	M 4.7 kOHM 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	
	R16591	EXB38V472JV	M 4.7 kOHM 1/16 W	1	
	R16285	EXB38V623J	M 62 kOHM 1/16 W	1	
	R17127	EXB38V681J	M 680 OHM 1/16 W	1	
	R17203	EXB38V681J	M 680 OHM 1/16 W	1	
	R17217	EXB38V681J	M 680 OHM 1/16 W	1	
	RM2510	B3RAD0000168	REMOTE SENSOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	SC2	K1KY02B00012	2P CONNECTOR	1	
	SC3	K1KA03A00596	3P CONNECTOR	1	
	SC20	K1MY30BA0345	30P CONNECTOR	1	PAVCTH
	SC41	K1KA09AA0707	9P CONNECTOR	1	
	SC42	K1KA09AA0707	9P CONNECTOR	1	
	SC46	K1KA09AA0707	9P CONNECTOR	1	
	SC50	K1KA02AA0193	2P CONNECTOR	1	
	SN2510	B3JB00000078	IC	1	PAVCTH
	SS3	K1KY03BA0236	3P CONNECTOR	1	
	SS11	K1KY03B00006	3P CONNECTOR	1	
	SS23	K1KY06AA0719	6P CONNECTOR	1	
	SS52	K1MY13BA0376	13P CONNECTOR	1	PAVCTH
	SS55	K1MY13BA0376	13P CONNECTOR	1	PAVCTH
	SW001	K0F122A00031	SWITCH	1	
	SW5150	K0H1BA000445	SWITCH	1	
	SW5151	K0H1BA000445	SWITCH	1	
	SW5152	K0H1BA000445	SWITCH	1	
	SW5153	K0H1BA000445	SWITCH	1	
	SW5154	K0H1BA000445	SWITCH	1	
	T16471	G4DYA0000201	SWITCHING TRANS	1	PAVCTH
⚠	TU2901E	ENG36F12KF	TUNER	1	PAVCTH
	X8000	H0J245500101	CRYSTAL	1	
	X8001	H0J120500062	CRYSTAL	1	
	X9300	H0J200500076	CRYSTAL	1	
	ZA001	K4CD01000011	AV TERMINAL	1	
	ZA002	K4CD01000011	AV TERMINAL	1	
	ZA16401	K4CD01000011	AV TERMINAL	1	
	ZA16402	K4CD01000011	AV TERMINAL	1	
	ZA16403	K4CD01000011	AV TERMINAL	1	
	ZA16404	K4CD01000011	AV TERMINAL	1	
	ZA17102	K4CD01000013	AV TERMINAL	1	
	ZA17103	K4CD01000013	AV TERMINAL	1	
	ZA17104	K4CD01000013	AV TERMINAL	1	
	ZA17105	K4CD01000013	AV TERMINAL	1	
	ZA17201	K4CD01000013	AV TERMINAL	1	
	ZA17202	K4CD01000013	AV TERMINAL	1	
	ZA17203	K4CD01000013	AV TERMINAL	1	
	ZA17204	K4CD01000013	AV TERMINAL	1	