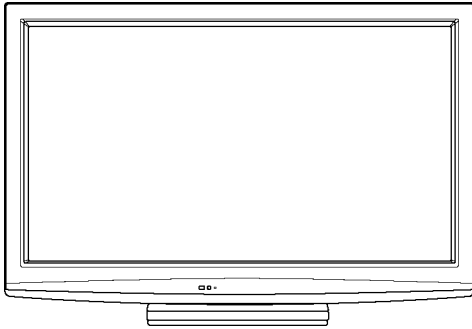


# Service Manual

Plasma Television

Model No. **TH-P50X20K**  
**TH-P50X20M**  
**TH-P50X20P**  
**TH-P50X20V**

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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# 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 Faston connectors but plug them straight in or unplug them straight out.
4. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
5. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
6. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

## 1.2. Touch-Current Check

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

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

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

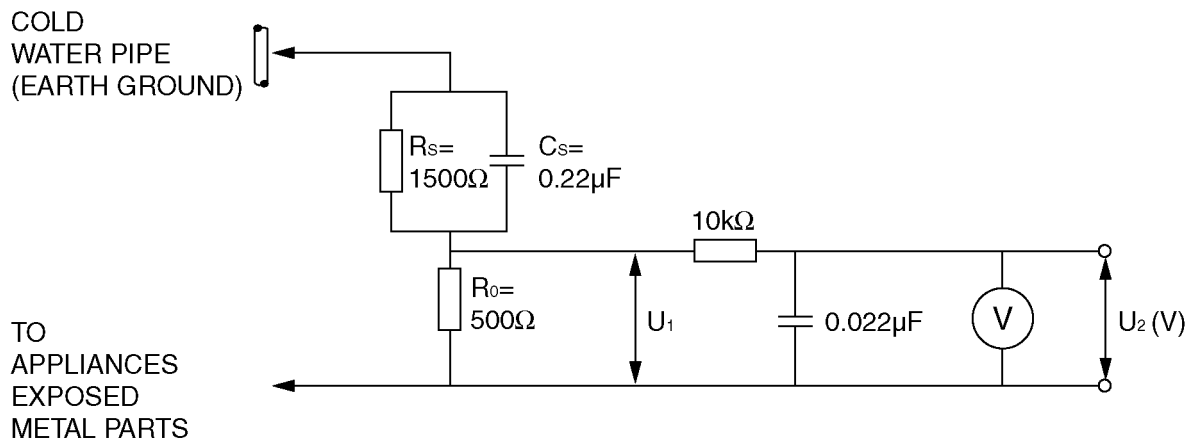
**Note:**

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

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

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 ( $\Omega$ )

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

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

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

Frequency range:  $15 \text{ Hz}$  to  $1 \text{ MHz}$  and d.c. respectively

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

Figure 1

## 2 Warning

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

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

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

#### **Caution**

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

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



## 2.2. About lead free solder (PbF)

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

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

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

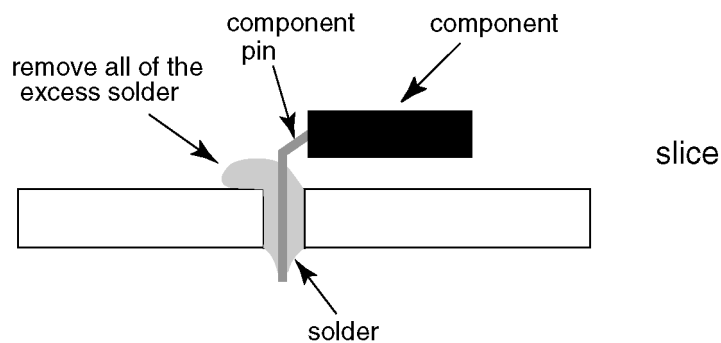
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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

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

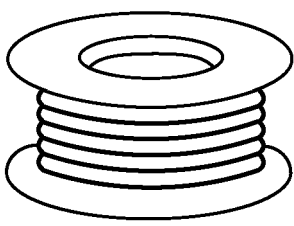
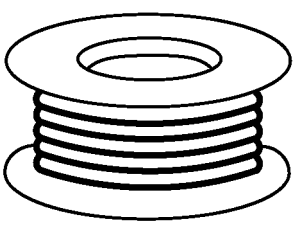
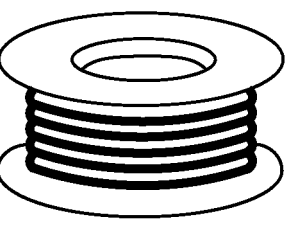
### Caution

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



### Suggested Pb free solder

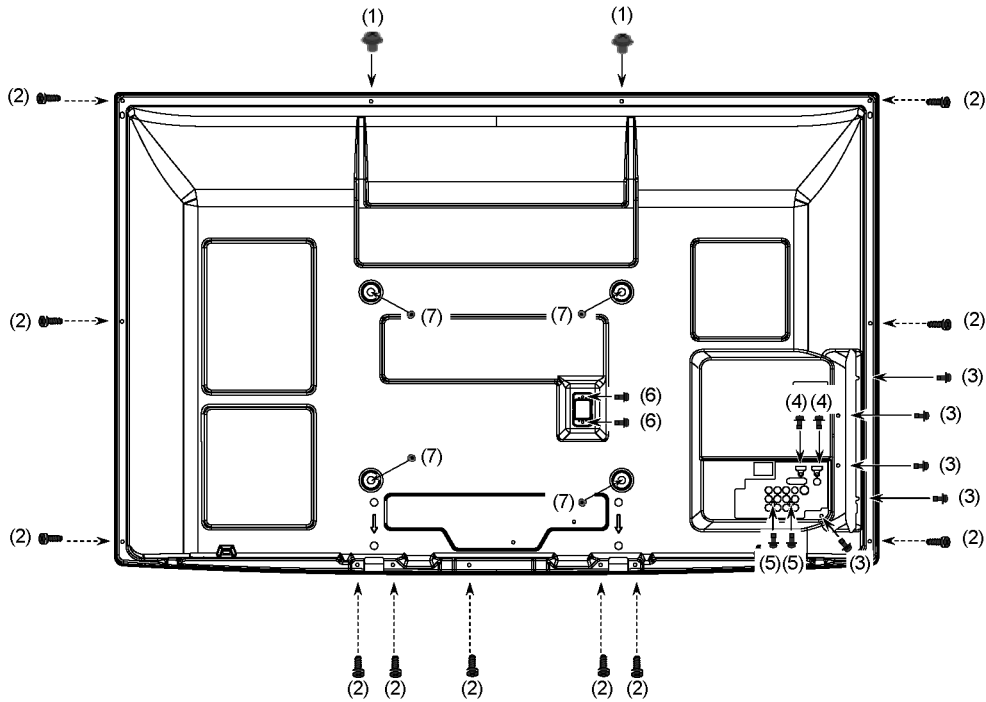
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

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

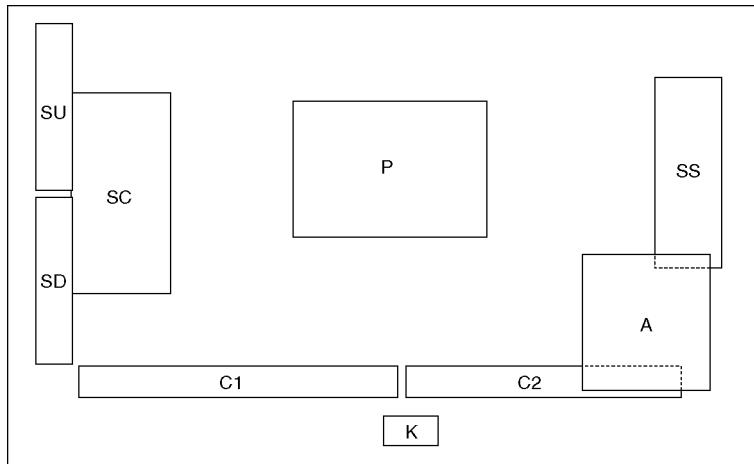
# 3 Service Navigation

## 3.1. PCB Layout

Remove the Rear cover



- 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)
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	SC	Scan Drive
		SS	Sustain Drive
		SU	Scan out (Upper) Non serviceable. SU-Board should be exchanged for service.
K	Remote receiver, Power LED, C.A.T.S sensor	SD	Scan out (Lower) Non serviceable. SD-Board should be exchanged for service.

## 3.2. Applicable signals

### COMPONENT (Y, P<sub>B</sub>/C<sub>B</sub>, P<sub>R</sub>/C<sub>R</sub>), 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

<b>Power Source</b>	AC 220-240 V, 50 / 60 Hz (K/M/V) AC 110-240 V, 50 / 60 Hz (P)	
<b>Power Consumption</b>		
<b>Average use :</b>	290 W (K/M/V)	295 W (P)
<b>Standby condition :</b>	0.45 W	
<b>Display panel</b>		
<b>Aspect Ratio</b>	16:9	
<b>Visible screen size</b>	127 cm (diagonal) 1,105 mm (W) × 622 mm (H)	
<b>Number of pixels</b>	786,432 (1,024 (W) × 768 (H)) [3,072 × 768 dots]	
<b>Sound</b>		
<b>Speaker</b>	160 mm × 40 mm × 2 pcs, 6 Ω	
<b>Audio Output</b>	20 W ( 10 W + 10 W )	
<b>Headphones</b>	M3 (3.5 mm) stereo mini Jack × 1	
<b>PC signals</b>	VGA, SVGA, WVGA, XGA SXGA, WXGA ..... (compressed) Horizontal scanning frequency 31 - 69 kHz Vertical scanning frequency 59 - 86 Hz	

## Receiving Systems / Band name

17 Systems		Function	17 Systems		Function
1	PAL B, G, H	Reception of broadcast transmissions and Playback from Video Cassette Tape Recorders	8	NTSC 4.43/5.5 MHz	Playback from Special VCR's or DVD
2	PAL I		9	NTSC 4.43/6.0 MHz	
3	PAL D, K		10	NTSC 4.43/6.5 MHz	
4	SECAM B, G		11	NTSC 3.58/5.5 MHz	
5	SECAM D, K		12	NTSC 3.58/6.0 MHz	
6	SECAM K1		13	NTSC 3.58/6.5 MHz	
7	NTSC M (NTSC 3.58/4.5 MHz)		14	SECAM I	
		15	PAL 60 Hz/5.5 MHz		
		16	PAL 60 Hz/6.0 MHz		
		17	PAL 60 Hz/6.5 MHz		

## Receiving Channels (Analogue TV)

### VHF BAND

2-12 (PAL/SECAM B, K1)	0-12 (PAL B AUST.)
1-9 (PAL B N.Z.)	1-12 (PAL/SECAM D)
1-12 (NTSC M Japan)	2-13 (NTSC M USA)

### UHF BAND

21-69 (PAL G, H, I/SECAM G, K, K1)	28-69 (PAL B AUST.)
13-57 (PAL D, K)	13-62 (NTSC M Japan)
14-69 (NTSC M USA)	

### CATV

S1-S20 (OSCAR)	1-125 (USA CATV)
C13-C49 (JAPAN)	S21-S41 (HYPER)
Z1-Z37 (CHINA)	5A, 9A (AUST.)

VHF / UHF

## Aerial - Rear

### Operating Conditions

Temperature:	0 °C - 40 °C
Humidity:	20 % - 80 % RH (non-condensing)

### Connection Terminals

#### AV1 Input

<b>Audio L - R</b>	RCA PIN Type × 2	0.5 V[rms]
<b>VIDEO</b>	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)
<b>COMPONENT</b>	Y	1.0 V [p-p] (including synchronization)
	P <sub>B</sub> /C <sub>B</sub> , P <sub>R</sub> /C <sub>R</sub>	± 0.35 V [p-p]

#### AV2 Input

<b>Audio L - R</b>	RCA PIN Type × 2	0.5 V[rms]
<b>VIDEO</b>	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)

#### AV3 Input

<b>AUDIO L - R</b>	RCA PIN Type × 2	0.5 V[rms]
<b>VIDEO</b>	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)

#### Monitor Output

<b>Audio L - R</b>	RCA PIN Type × 2	0.5 V[rms] (high impedance)
<b>VIDEO</b>	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)

#### Others

<b>HDMI1 - 3 Input</b>	TYPE A Connectors	• This TV supports [ HDAVI control 5 ] function.
<b>PC Input</b>	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)
<b>Card slot</b>	SD Card slot × 1	

**Dimensions (W × H × D)**

TH-P50X20K / TH-P50X20V	1,218 mm × 814 mm × 401 mm (With Pedestal) 1,218 mm × 769 mm × 93 mm (TV only)
TH-P50X20M / TH-P50X20P	1,218 mm × 817 mm × 357 mm (With Pedestal) 1,218 mm × 769 mm × 93 mm (TV only)

**Mass**

TH-P50X20K / TH-P50X20V	34.0 kg Net (With Pedestal) 31.0 kg Net (TV only)
TH-P50X20M / TH-P50X20P	33.0 kg Net (With Pedestal) 31.0 kg Net (TV only)

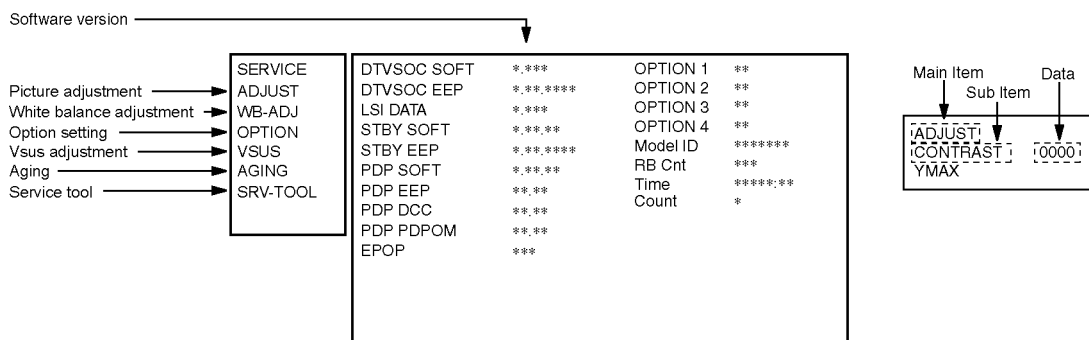
**Note**

- 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 [RECALL] 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	3A	
	COLOR	2B	
	TINT	00	
	SUB-BRT	80C	
	H-POS		
	H-AMP		
	V-POS		
	V-AMP		
WB-ADJ	R-CUT	80	
	G-CUT	80	
	B-CUT	FF	
	R-DRV	FF	
	G-DRV	FF	
	B-DRV	D0	
	ALL-DRV	FF	
OPTION	Panel-Type	50HD	Factory Preset
	Boot	ROM	
	STBY-SET	00	
	EMERGENCY	ON	
	OPT 1	00000000	
	OPT 2	11100110	
	OPT 3	00001001	
	OPT-4	00000000	
	MIRROR	00 (See next)	
	EDID-CLK	HIGH	
VSUS		Low	
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	K/M/V	P
Check sum	00041834	00041836
EDID		

### 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.

SRV-TOOL	
Flash ROM : 1 - 227E	
PTCT : 00 . 00 . 00 . 00 . 00	Time 00000:40      Count 1

Display of Flash ROM maker code →

Display of SOS History →

← POWER ON TIME/COUNT  
Press [MUTE] button (3sec)

### 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 3sec.

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.

Hotel Mode	
Hotel Mode	Off
Initial INPUT	Off
Initial POS	Off
Initial VOL Level	Off
Maximum Vol Level	100
Button Lock	Off
Remote Lock	Off

Select



### 3. To exit the Hotel mode setup menu

Disconnect AC power cord from wall outlet.

### 4. Explain the Hotel mode setup menu

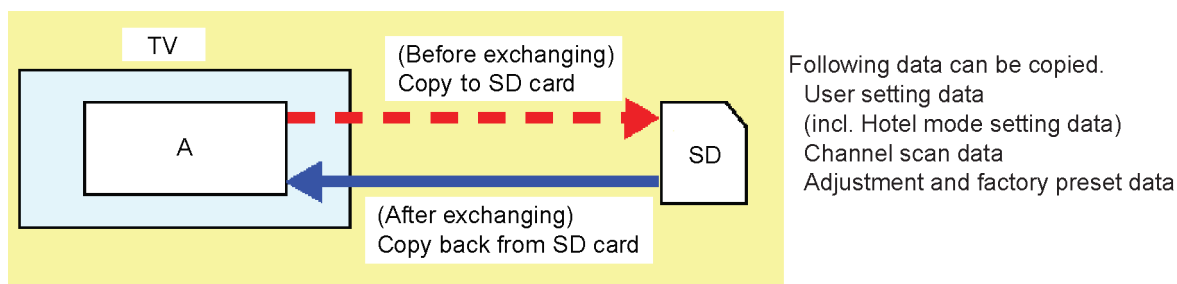
item	Function
Hotel Mode	Select hotel mode ON/OFF
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off/TV/AV1/AV2/AV3/PC/HDMI1/HDMI2/HDMI3 • PC: selectable with VGA option
Initial POS	Select programme number. Selection : Off/0 to 99 • Off: give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

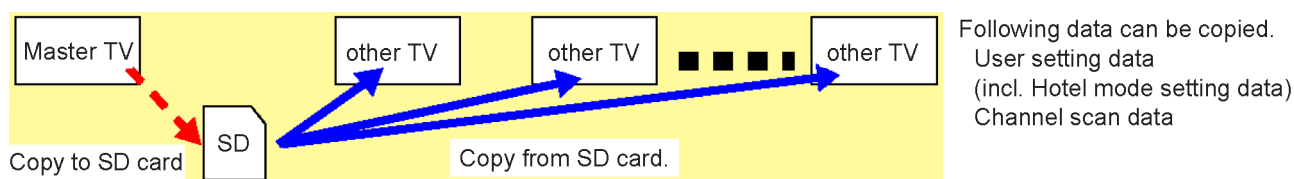
#### (a) Board replacement (Copy the data when exchanging A-board):

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



#### (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.



### 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.

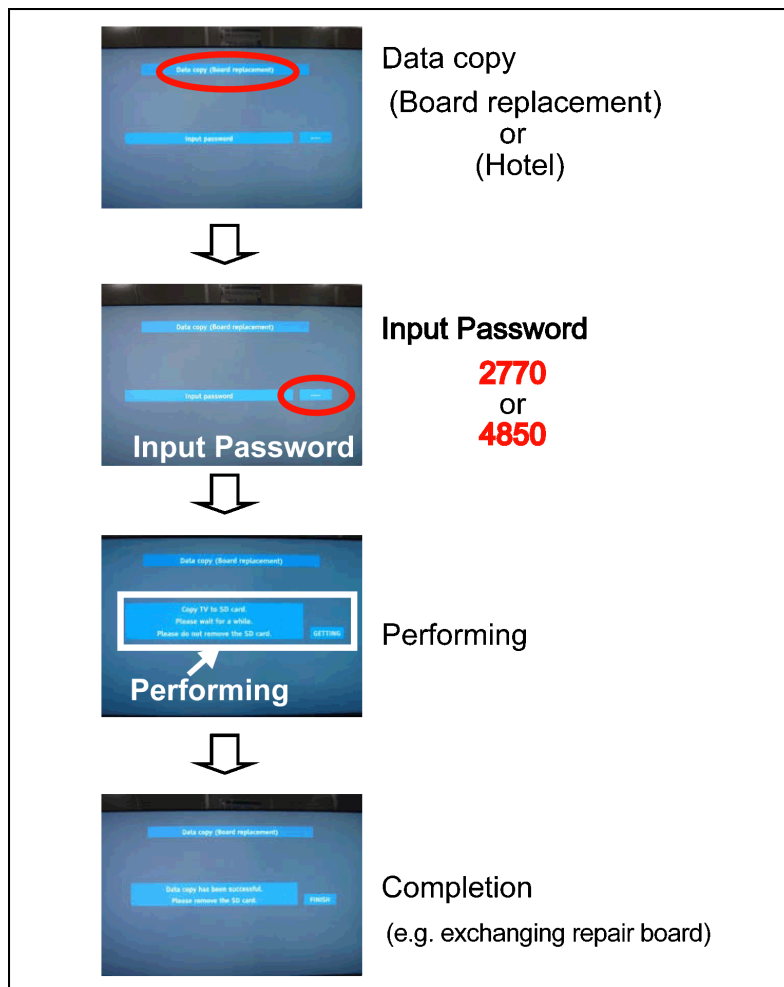
### 5.5.3. Data copy from TV set to SD Card

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

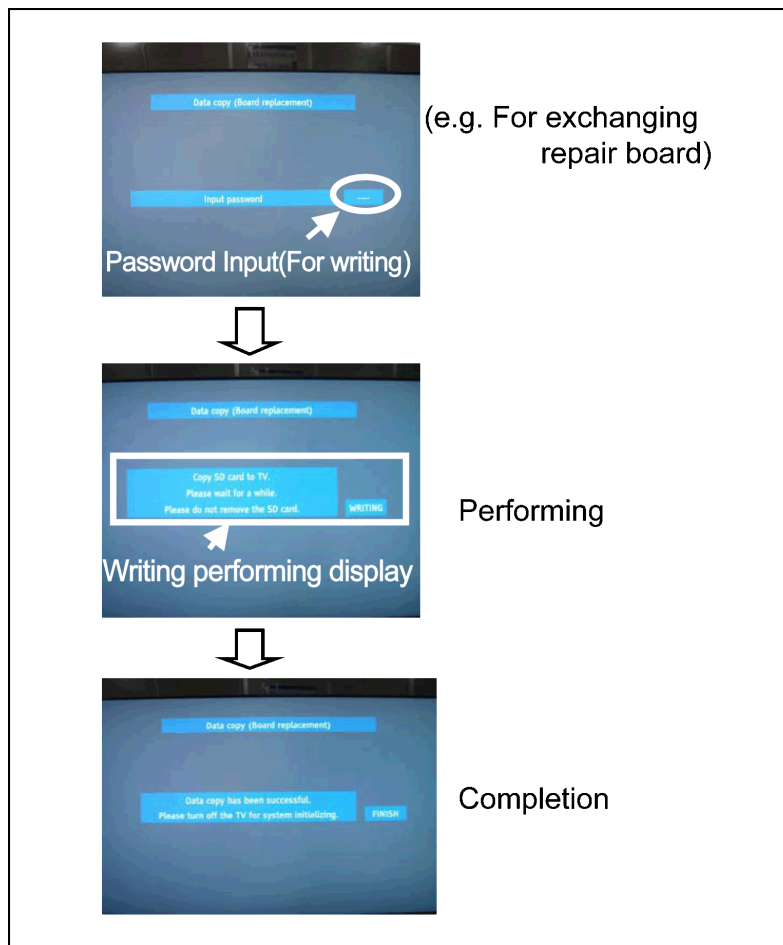


### 5.5.4. Data copy from to SD Card to TV set

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

50HD SET	Panasonic 2010PDP  SELF CHECK COMPLETE																																													
<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">STBY</td><td style="width: 50%;">OK</td></tr> <tr><td>TUN</td><td>OK</td></tr> <tr><td>MEM1</td><td>OK</td></tr> <tr><td>MEM2</td><td>OK</td></tr> <tr><td>AMP1</td><td>OK</td></tr> <tr><td>AMP2</td><td>OK</td></tr> <tr><td>PANEL</td><td>OK</td></tr> <tr><td>TEMP</td><td>OK</td></tr> </table>	STBY	OK	TUN	OK	MEM1	OK	MEM2	OK	AMP1	OK	AMP2	OK	PANEL	OK	TEMP	OK	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">DTVSOC SOFT</td><td style="width: 50%;">*.*.*</td></tr> <tr><td>DTVSOC EEP</td><td>**.*.*.*</td></tr> <tr><td>LSI DATA</td><td>*.*.*.*</td></tr> <tr><td>STBY SOFT</td><td>*.*.*.*</td></tr> <tr><td>STBY EEP</td><td>**.*.*.*</td></tr> <tr><td>PDP SOFT</td><td>*.*.*</td></tr> <tr><td>PDP EEP</td><td>*.*.*</td></tr> <tr><td>PDP DCC</td><td>*.*.*</td></tr> <tr><td>PDP PDPOM</td><td>*.*.*</td></tr> <tr><td>EPOP</td><td>*.*.*</td></tr> </table>	DTVSOC SOFT	*.*.*	DTVSOC EEP	**.*.*.*	LSI DATA	*.*.*.*	STBY SOFT	*.*.*.*	STBY EEP	**.*.*.*	PDP SOFT	*.*.*	PDP EEP	*.*.*	PDP DCC	*.*.*	PDP PDPOM	*.*.*	EPOP	*.*.*	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">SUM</td><td style="width: 50%;">*****</td></tr> <tr><td>Model ID</td><td>*****</td></tr> <tr><td>EDID</td><td>*****</td></tr> <tr><td>SOS</td><td></td></tr> </table>	SUM	*****	Model ID	*****	EDID	*****	SOS	
STBY	OK																																													
TUN	OK																																													
MEM1	OK																																													
MEM2	OK																																													
AMP1	OK																																													
AMP2	OK																																													
PANEL	OK																																													
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DTVSOC SOFT	*.*.*																																													
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LSI DATA	*.*.*.*																																													
STBY SOFT	*.*.*.*																																													
STBY EEP	**.*.*.*																																													
PDP SOFT	*.*.*																																													
PDP EEP	*.*.*																																													
PDP DCC	*.*.*																																													
PDP PDPOM	*.*.*																																													
EPOP	*.*.*																																													
SUM	*****																																													
Model ID	*****																																													
EDID	*****																																													
SOS																																														

### 6.1.3. Check Point

Confirm the following parts if NG was displayed.

Display	Ref. No.	Description	P.C.B.
STBY	IC9003	STB MPU	A-Board
TUN	TU8301	TUNER	A-Board
MEM1	IC8004	EEPROM (MPU)	A-Board
MEM2	IC8503	EEPROM (PEAKS)	A-Board
AMP1	IC2106	Audio Amp	A-Board
AMP2	IC2109	HP Amp	A-Board
PANEL	IC9300	PANEL MPU	A-Board
TEMP	IC4701	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

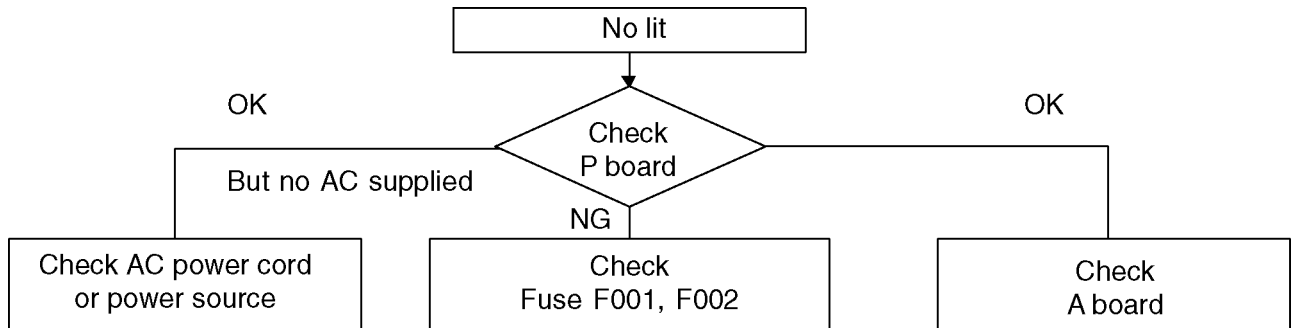
\*Use SC jig to isolate the board.

### 6.3. No Power

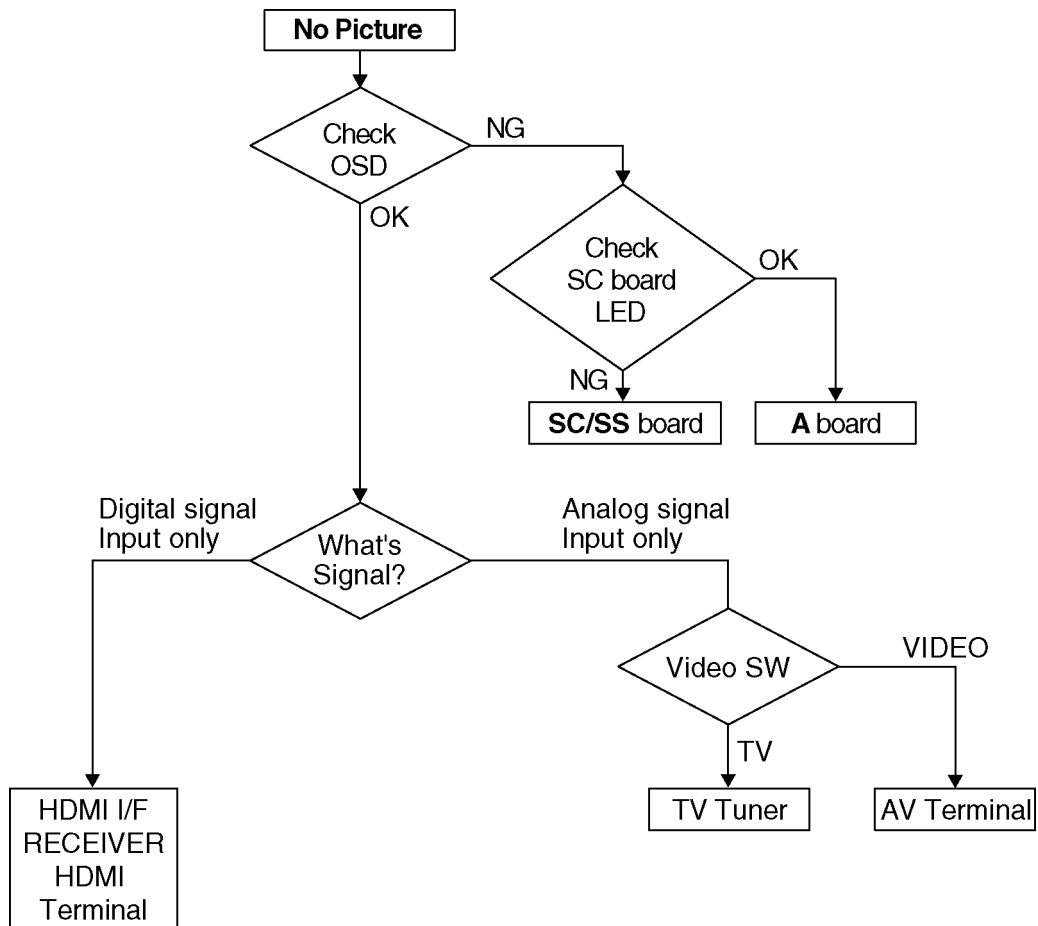
#### First check point

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

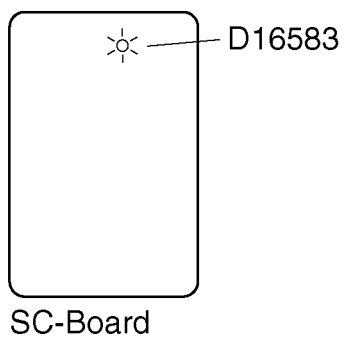
1. No lit
2. Green is lit then turns red blinking a few seconds later. (See 6.2.)
3. Only red is lit.



## 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.

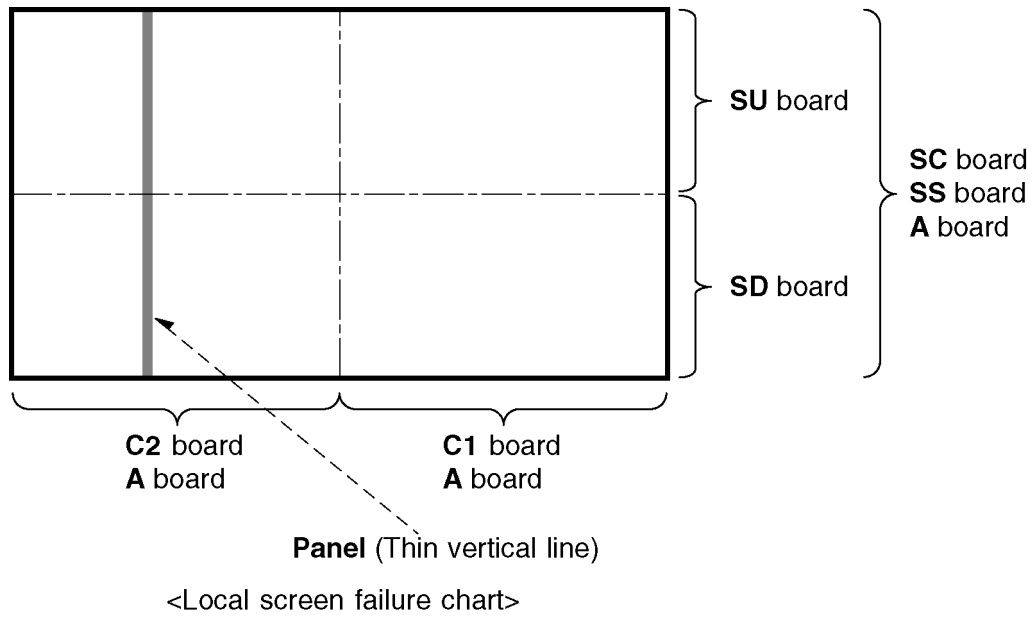


Fig-1

# 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:**

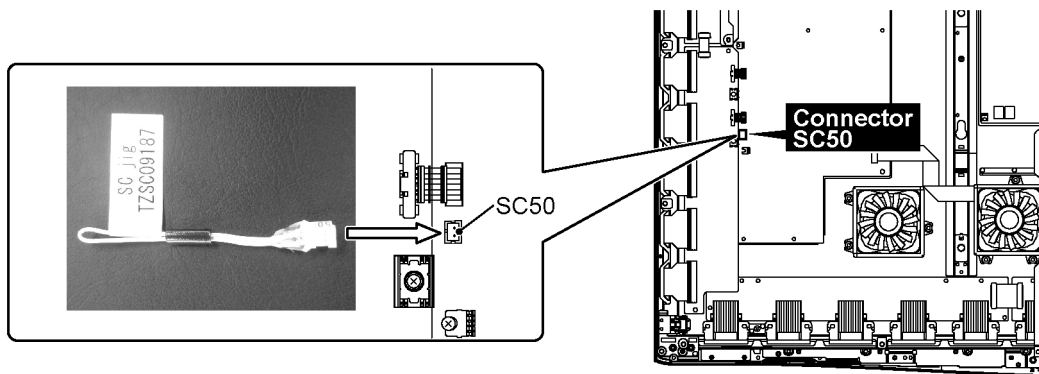
TZSC09187

**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

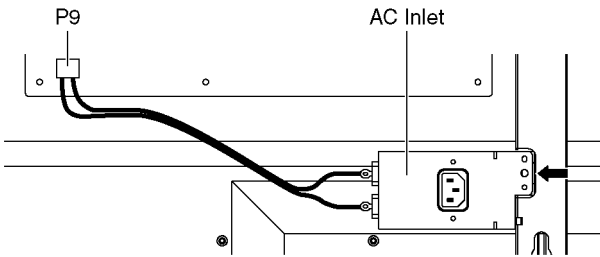
1. See PCB Layout (Section 3)

## 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 (x1 ➡) and remove the AC inlet.

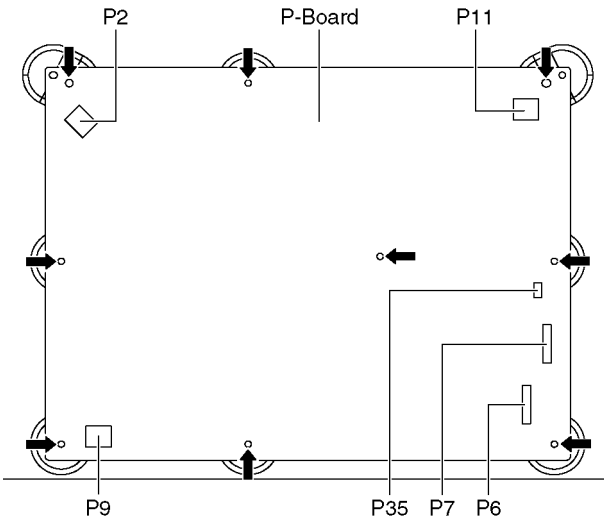


## 8.3. Remove the P-Board

**Caution:**

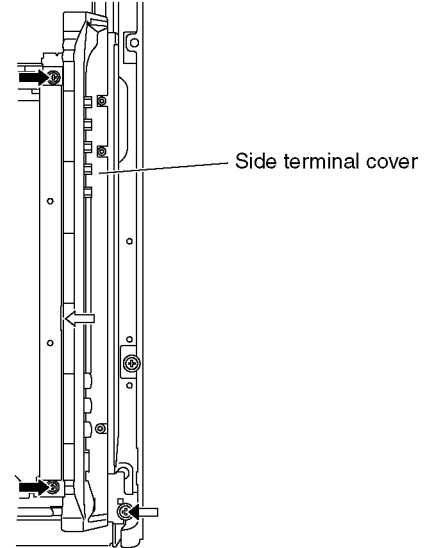
To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable
2. Disconnect the connectors (P2, P6, P7, P9, P11 and P35).
3. Remove the screws (x9 ➡) and remove the P-Board.

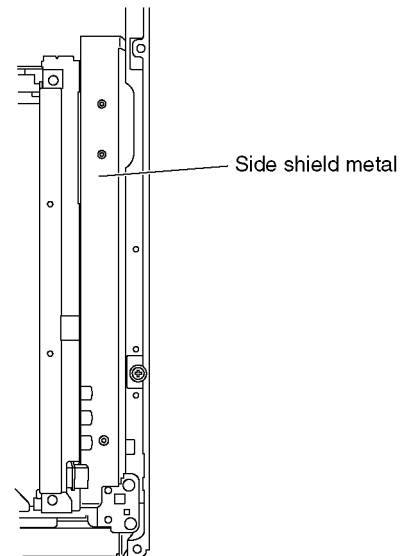


## 8.4. Remove the Side terminal cover and the Side shield metal

1. Remove the screws (x2 ➡, x1 ⇨, x1 ⇨).
2. Remove the Side terminal cover.

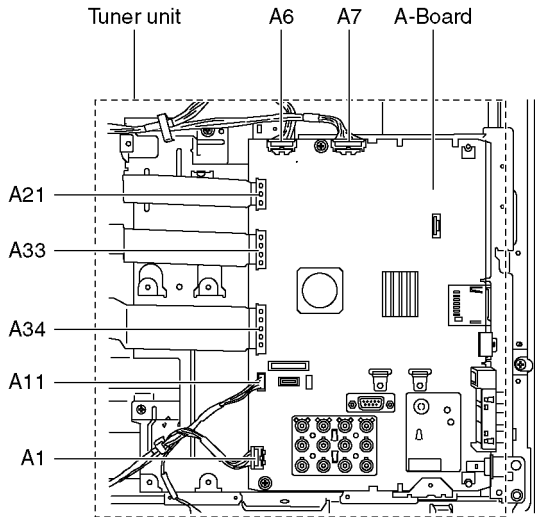


3. Remove the Side shield metal.



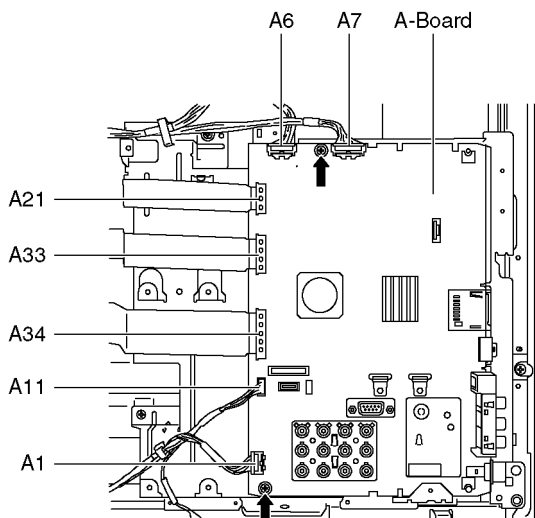
## 8.5. Remove the Tuner unit

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 (A21, A33 and A34).
5. Remove the screws ( $\times 2 \rightarrow$ ) and remove the Tuner unit.



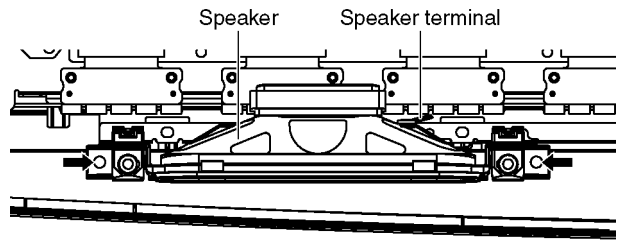
## 8.6. Remove the A-Board

1. Remove the Tuner unit. (See section 8.5.)
2. Remove the screws ( $\times 2 \rightarrow$ ) and remove the A-Board.



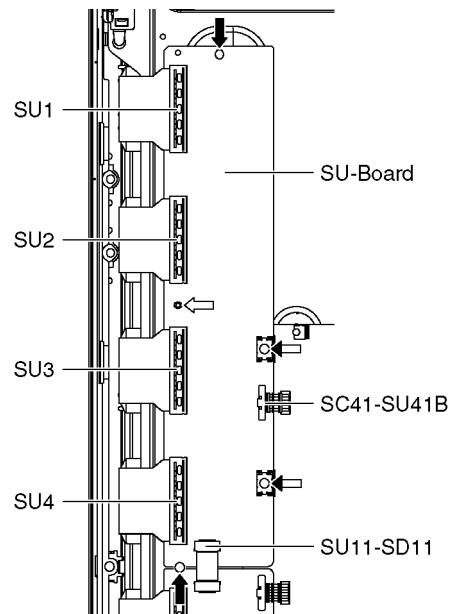
## 8.7. Remove the Speakers

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



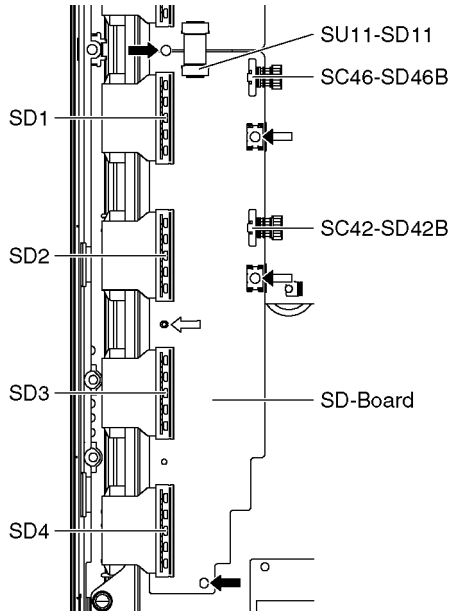
## 8.8. Remove the SU-Board

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 ( $\times 1 \rightleftarrows$ ).
4. Remove the screws ( $\times 2 \rightarrow$ ,  $\times 2 \rightarrow$ ) and remove the SU-Board.



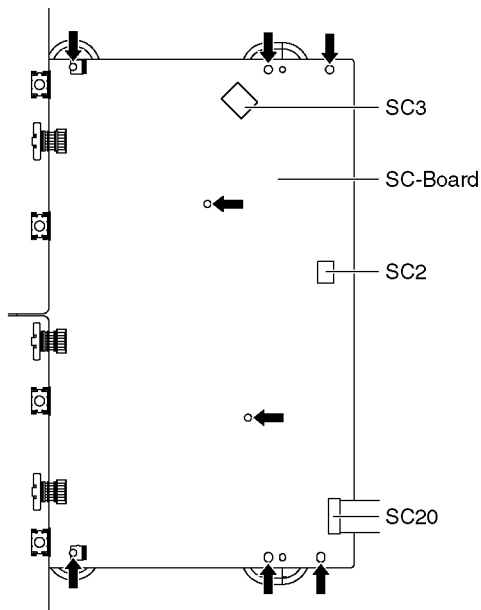
## 8.9. Remove the SD-Board

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.



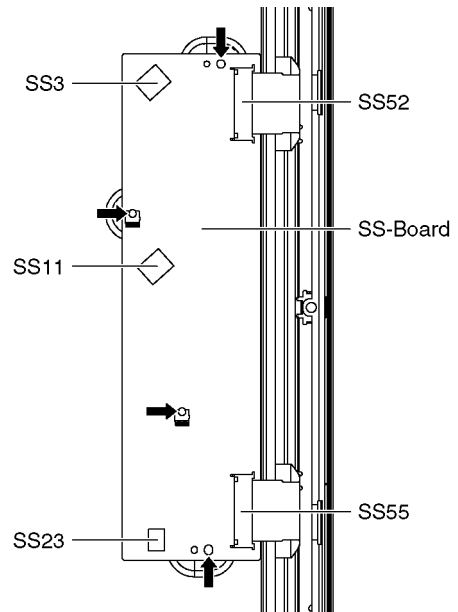
## 8.10. Remove the SC-Board

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.



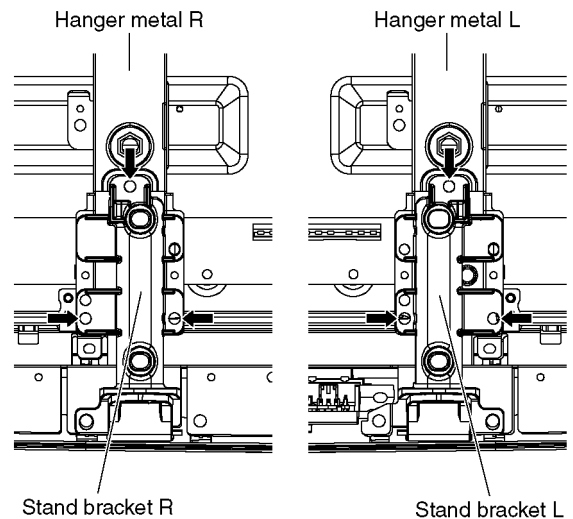
## 8.11. Remove the SS-Board

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.

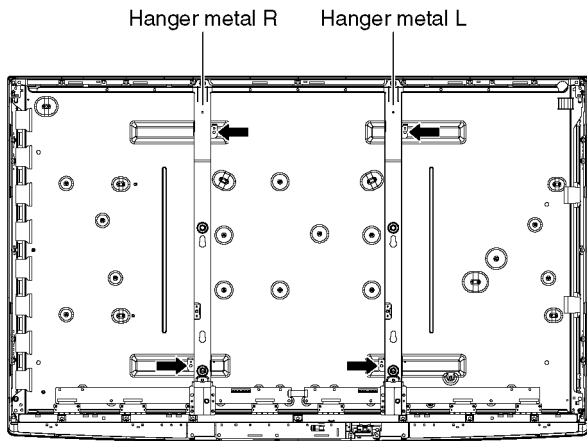


## 8.12. Remove the Hanger metals and the Stand brackets

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).

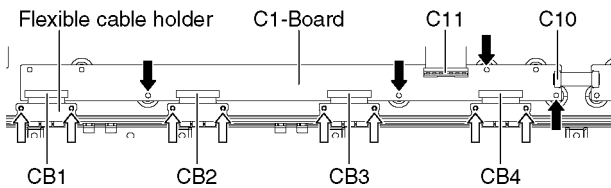


- Remove the Hanger metals (L, R) fastening screws (×2 → each) and remove the Hanger metals (L, R).



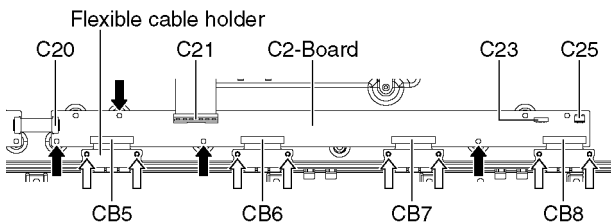
### 8.13. Remove the C1-Board

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



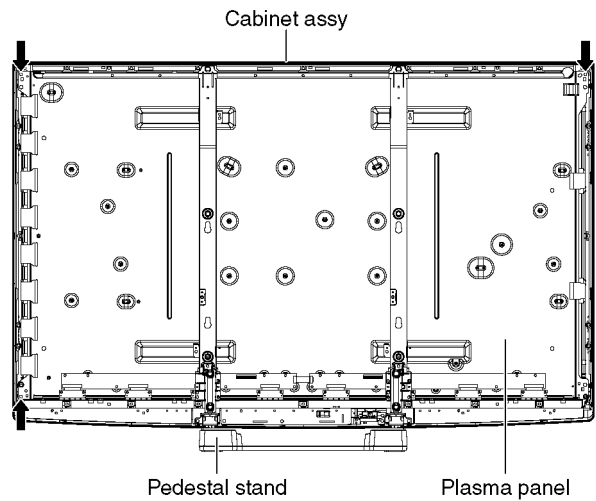
### 8.14. Remove the C2-Board

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

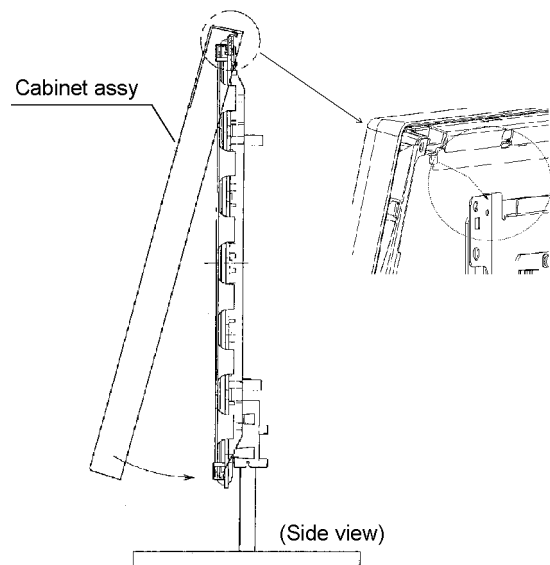


### 8.15. Remove the Plasma panel section from the Cabinet assy (glass)

- Remove the plasma panel fastening screws (×3 →) and remove the cabinet assy.

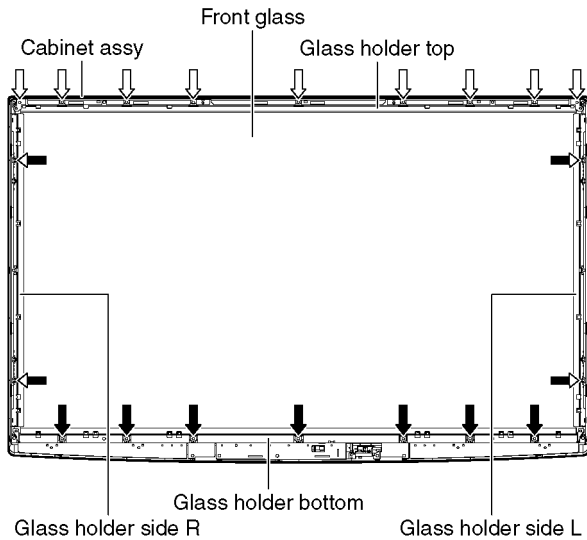


- For leaving the cabinet assy from the plasma panel, pull the bottom of the cabinet assy forward, lift, and remove.



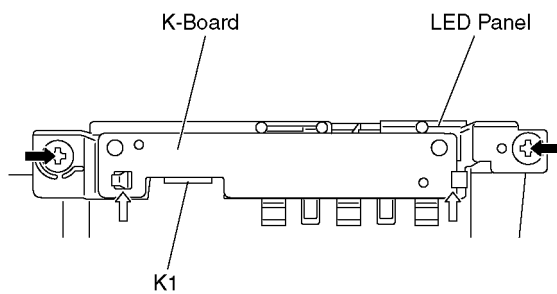
## 8.16. Remove the Glass holders

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 screws (×2 ➡).
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

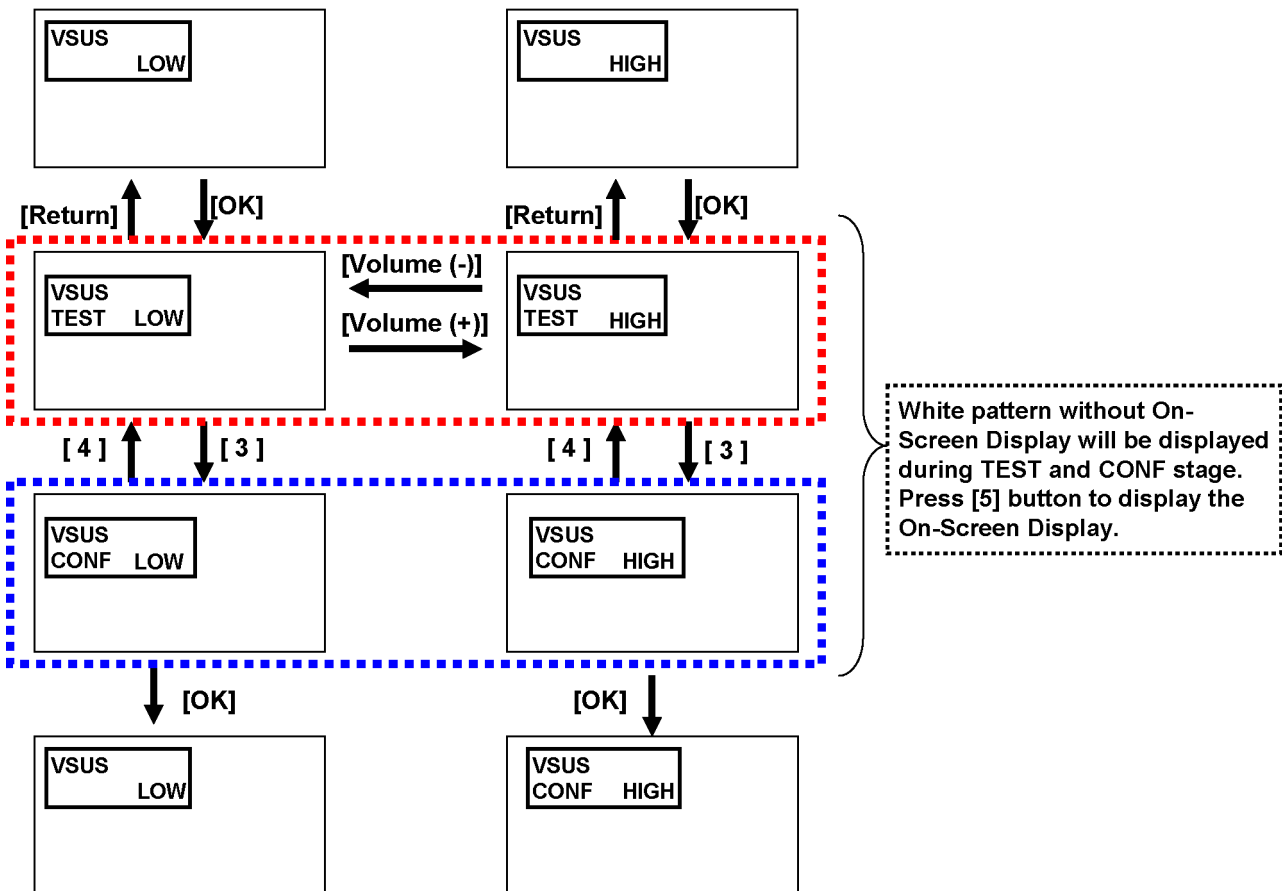
**Caution:**

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.

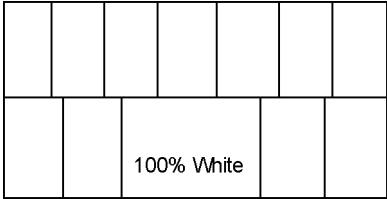
**Vsus selection in Service mode**

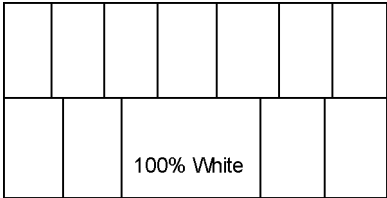





### 9.1.2. Sub-Contrast adjustment

Name of measuring instrument	Connection	Remarks
RF generator Base Band signal generator HD signal generator		
Steps		Remarks
<p>Adjustment of TV (RF system)</p> <p>1. Receive a RF PAL 100% Full White or Split Colour bar shown as below.</p> <div data-bbox="400 448 788 642" style="text-align: center;"> </div> <p>2. Goes into service mode. 3. Push a [ 1 ] or [ 2 ] key, and goes into adjustment mode for [ CONTRAST ].</p> <p>Adjustment</p> <p>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.</p>		<p><b>Note:</b> <b>Sub-contrast adjustment is unadjusted for AV/ HD input. But, when needing the adjustment chosen manually, please refer to [ alternative method ].</b></p>

Steps	Remarks
<p><b>Another procedure</b></p> <p>Adjustment of AV system</p> <p>1. PAL 100% Full White or Split Colour bar receive AV1(or AV2), shown as below.</p>  <p>2. Goes into service mode. 3. Push [ 1 ] or [ 2 ] key, and goes into adjustment mode for [ Contrast ].</p> <p>Adjustment</p> <p>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.</p>	

Steps	Remarks
<p><b>Another procedure</b></p> <p>Adjustment of HD system</p> <p>1. At 1080i 100% Full White or Split colour bar receive component signal, as shown below.</p>  <p>2. Goes into service mode. 3. Push [ 1 ] or [ 2 ] key, and goes into adjustment mode for [ Contrast ].</p> <p>Adjustment</p> <p>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.</p>	

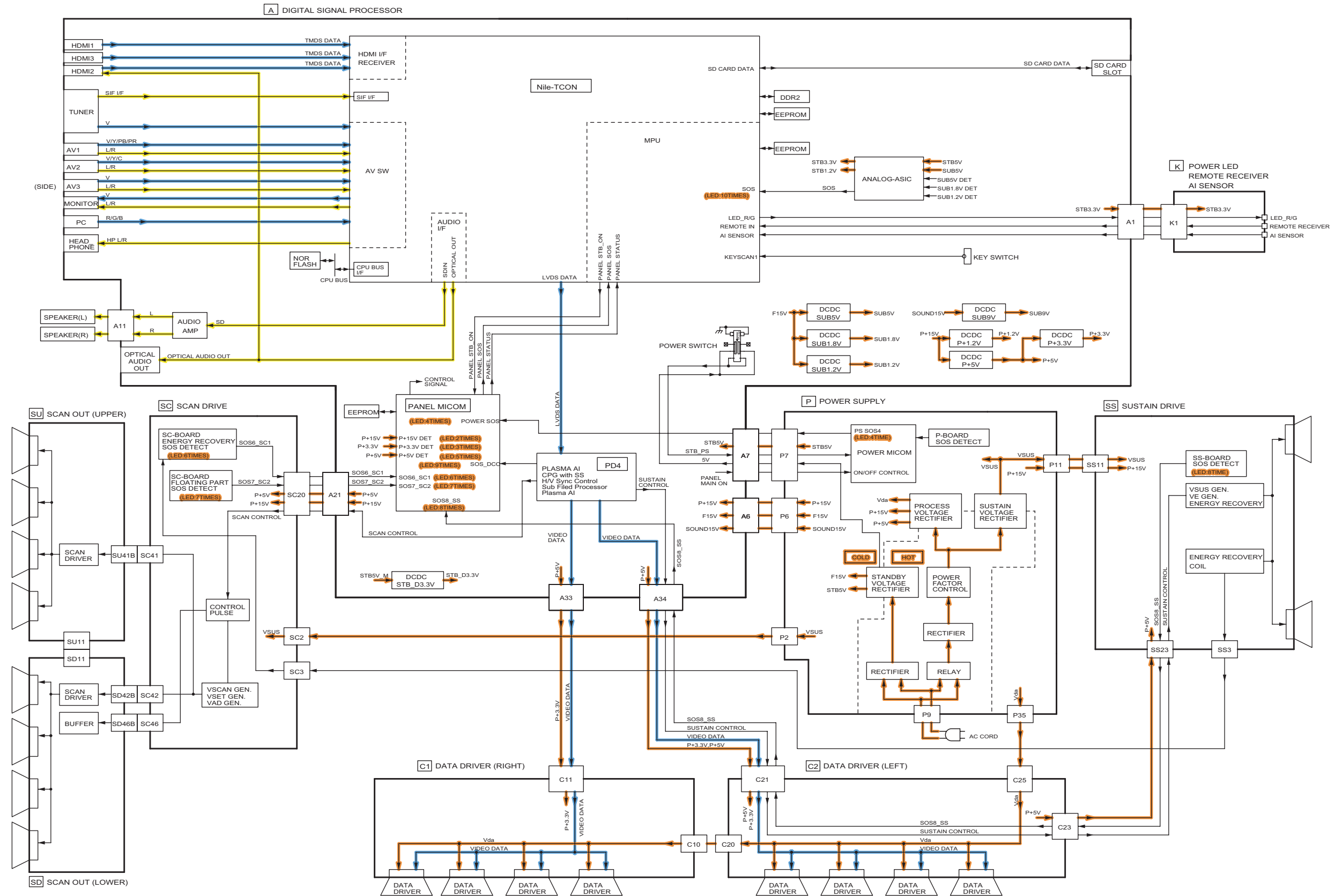
### 9.1.3. White balance adjustment

Name of measuring instrument	Connection	Remarks												
W/ B pattern Color analyzer (Minolta CA-100 or equivalent)	Panel surface													
Steps		Remarks												
<ul style="list-style-type: none"> <li>• Make sure the front panel to be used on the final set is fitted.</li> <li>• Make sure a color signal is not being shown before adjustment.</li> <li>• Put the color analyzer where there is little colour variation.</li> </ul>		Picture menu : Dynamic ASPECT : 16:9												
Adjustment		Remarks												
<ol style="list-style-type: none"> <li>1. Enter the Service mode. Please receive the external signal. Or, please select CVBS/YUV (no sync).</li> <li>2. A number key [1] or [2] are operated and [WB-ADJ] is displayed. Check that the color balance is [ COOL ].</li> <li>3. A number key [0] is operated and select [METHOD].</li> <li>4. A number key [5] is operated and [INNER PATTERN] is displayed.</li> </ol> <div style="text-align: center; margin: 10px 0;">  <p>INNER PATTERN</p> </div> <ol style="list-style-type: none"> <li>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]</li> <li>6. Set [G-DRIVE] at [D0].</li> <li>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.</li> <li>8. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].)</li> <li>9. Set color balance to [NORMAL] using [7] key.</li> <li>10. Fix G-CUTOFF, B-CUTOFF and R-CUTOFF at [80].</li> <li>11. Set [G-DRIVE] at [D0].</li> <li>12. Adjust B-DRIVE and R-DRIVE so the INNER PATTERN's x, y become the [COLOR TEMP NORMAL] in the below table1.</li> <li>13. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].)</li> <li>14. Set color balance to [WARM] using [7] key.</li> <li>15. Fix G-CUTOFF, B-CUTOFF and R-CUTOFF at [80].</li> <li>16. Set [G-DRIVE] at [D0].</li> <li>17. Adjust B-DRIVE and R-DRIVE so the INNER PATTERN's x, y become the [COLOR TEMP WARM] in the below table1.</li> <li>18. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].)</li> </ol> <div style="margin-top: 10px;"> <p>Table 1, Color temp. target value</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>COLOR TEMP</th> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr> <td>COOL</td> <td>0.280</td> <td>0.288</td> </tr> <tr> <td>NORMAL</td> <td>0.292</td> <td>0.302</td> </tr> <tr> <td>WARM</td> <td>0.313</td> <td>0.328</td> </tr> </tbody> </table> </div>		COLOR TEMP	x	y	COOL	0.280	0.288	NORMAL	0.292	0.302	WARM	0.313	0.328	METHOD=01 copy adjustments
COLOR TEMP	x	y												
COOL	0.280	0.288												
NORMAL	0.292	0.302												
WARM	0.313	0.328												

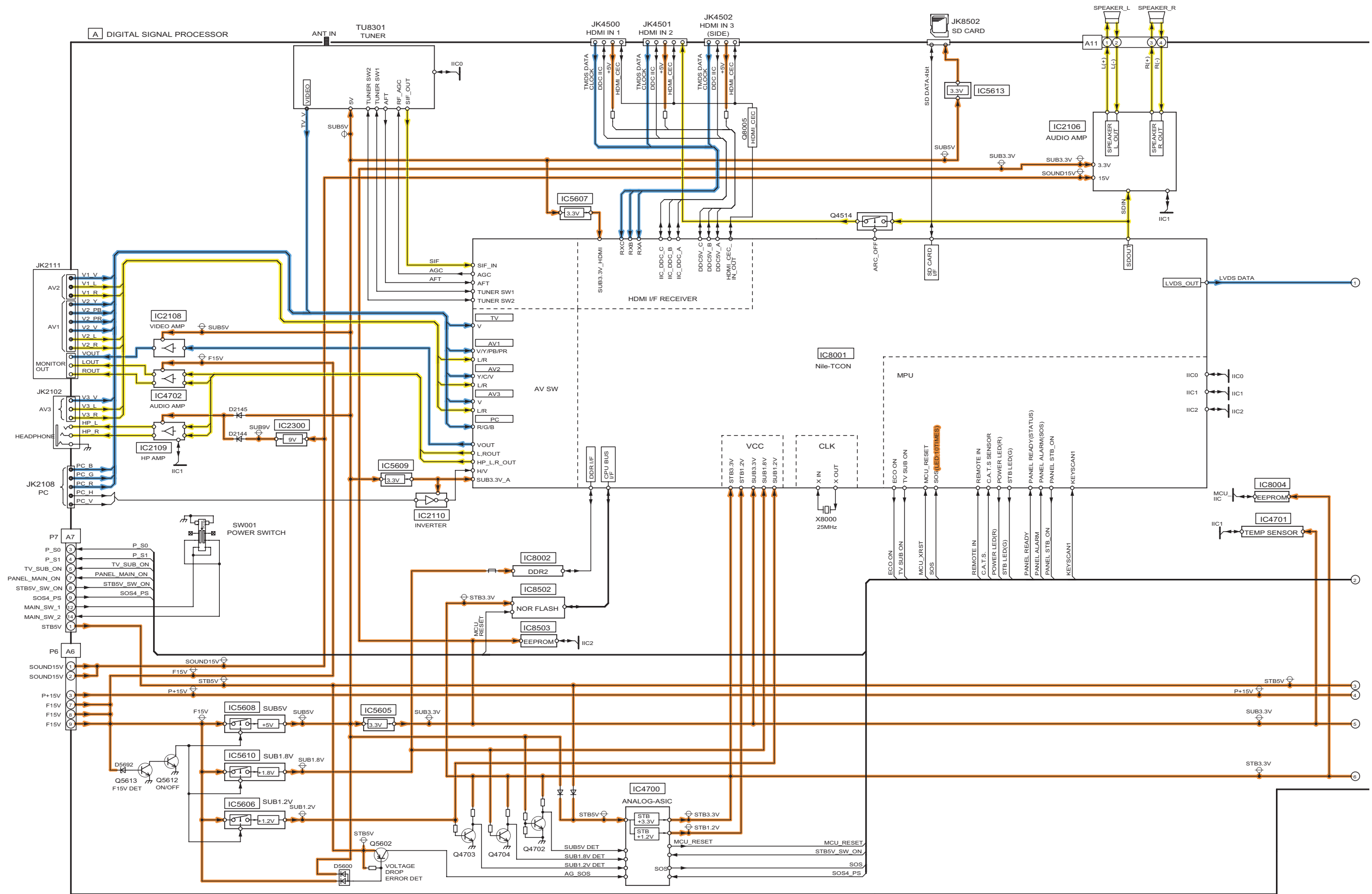


# 10 Block Diagram

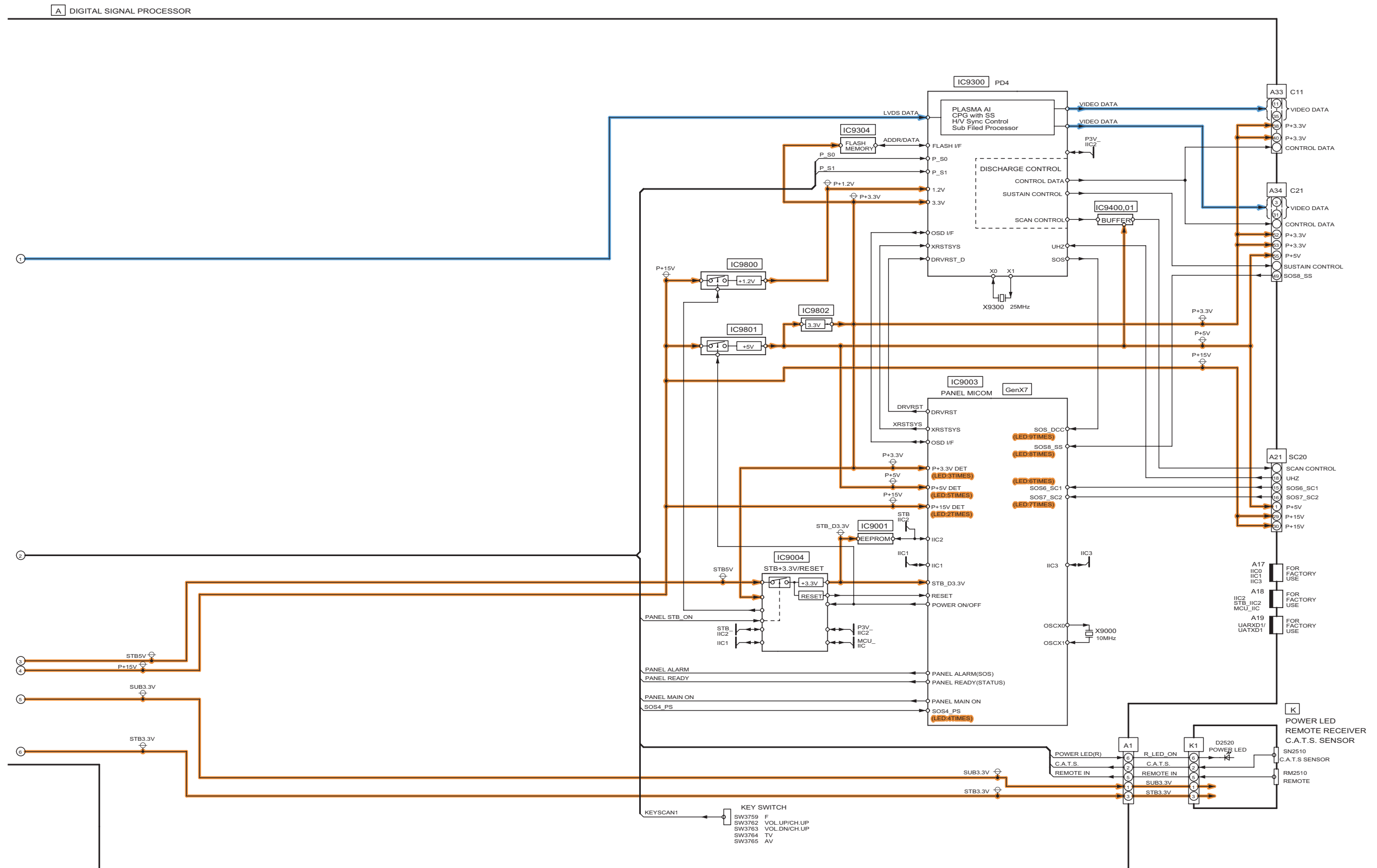
## 10.1. Main Block Diagram



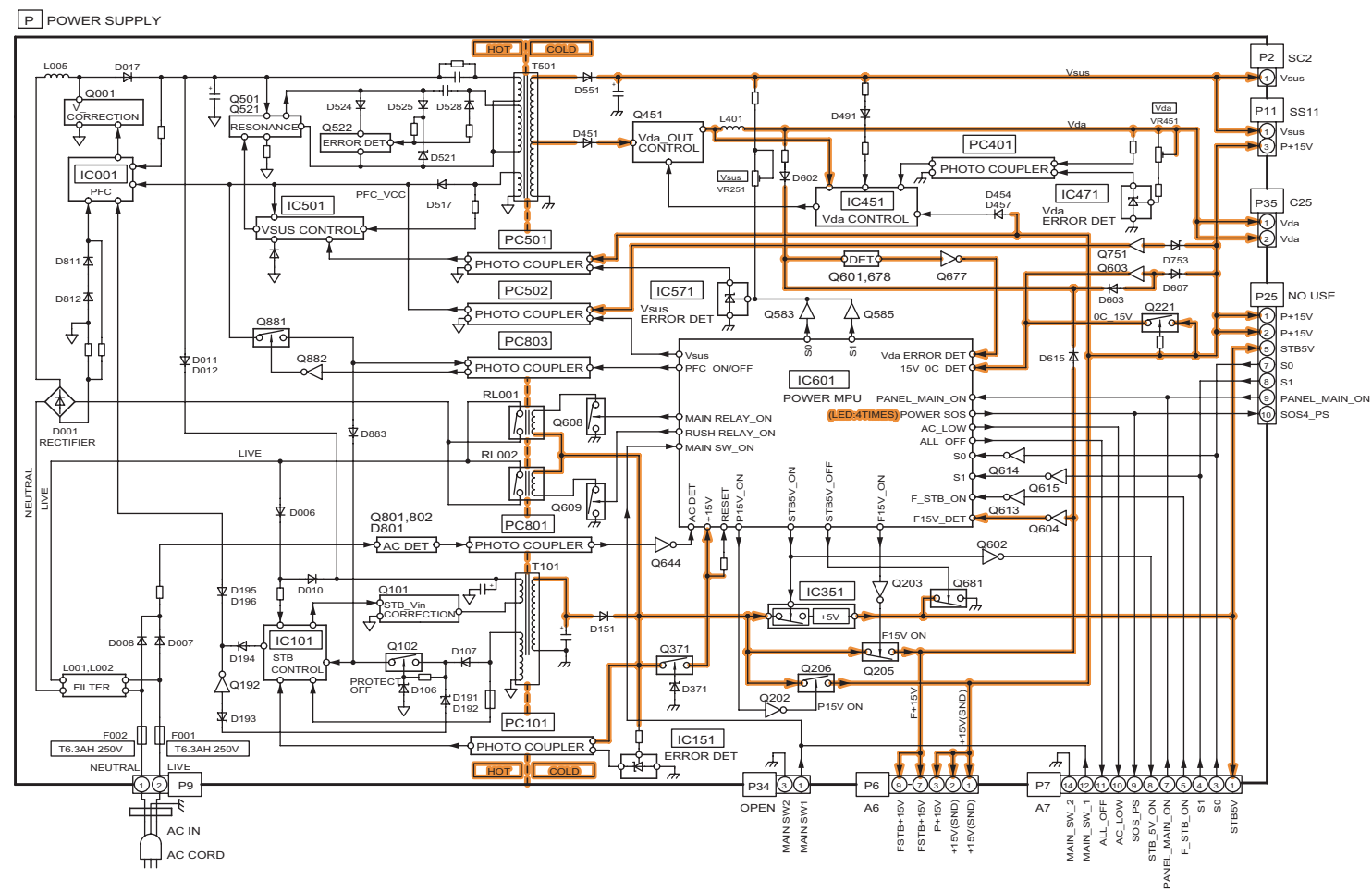
## 10.2. Block (1/4) Diagram



### 10.3. Block (2/4) Diagram

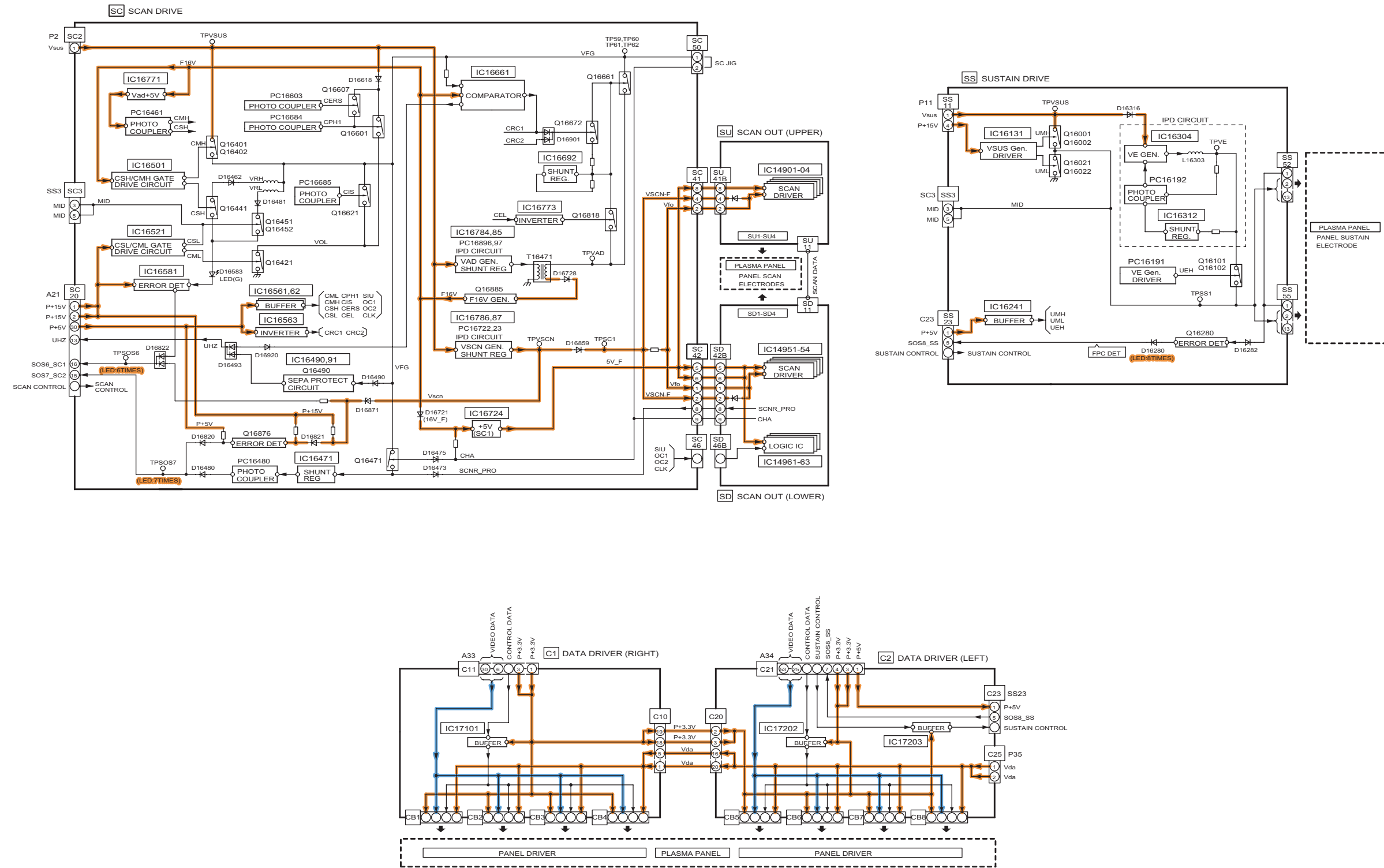


# 10.4. Block (3/4) Diagram





# 10.5. Block (4/4) Diagram





# 11 Wiring Connection Diagram

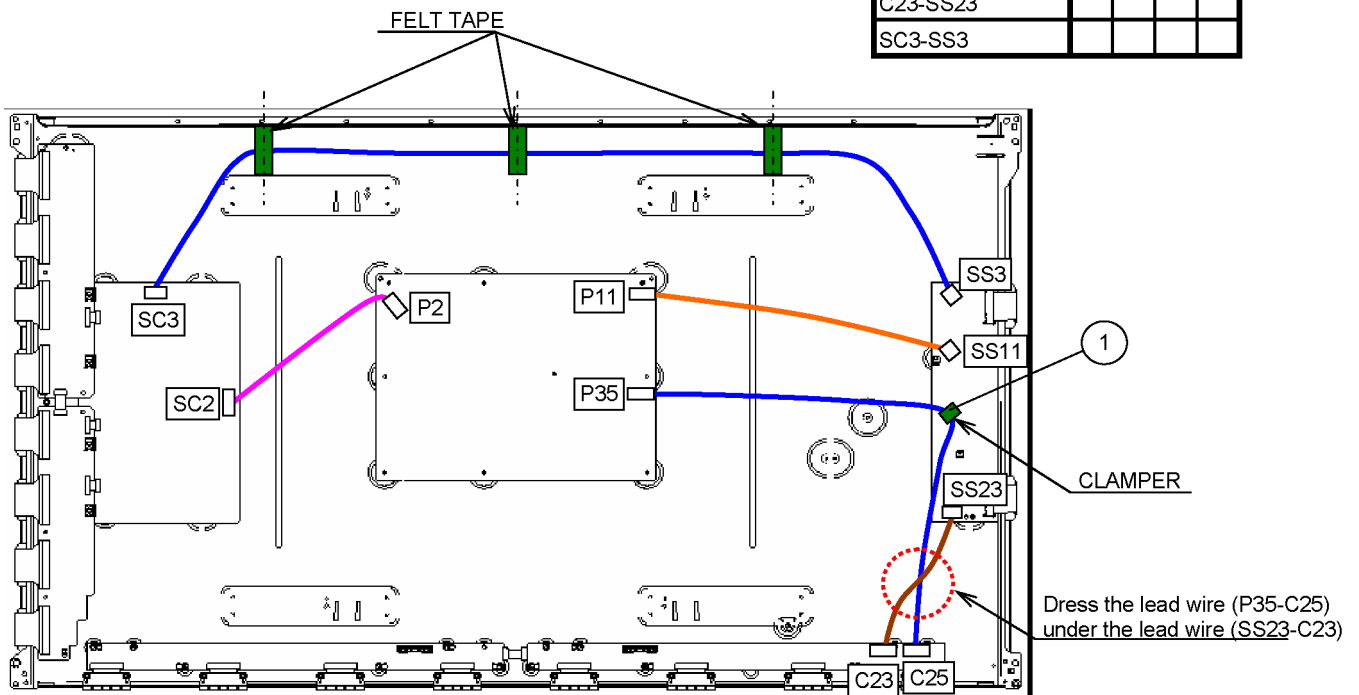
## 11.1. Caution statement.

**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.

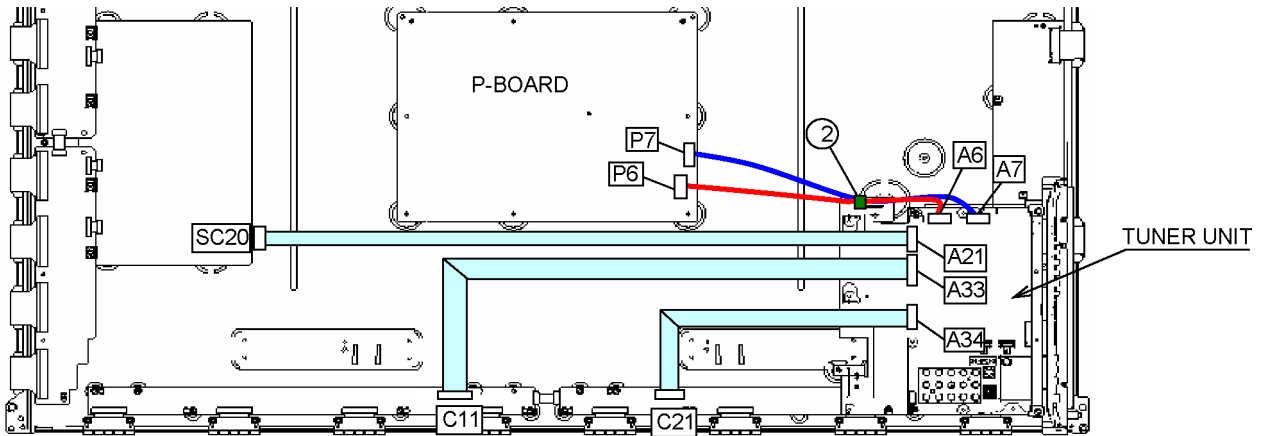
## 11.2. Wiring (1)

CONNECTOR	CLAMPER			
	1			
P2-SC2				
P11-SS11				
P35-C25	○			
C23-SS23				
SC3-SS3				



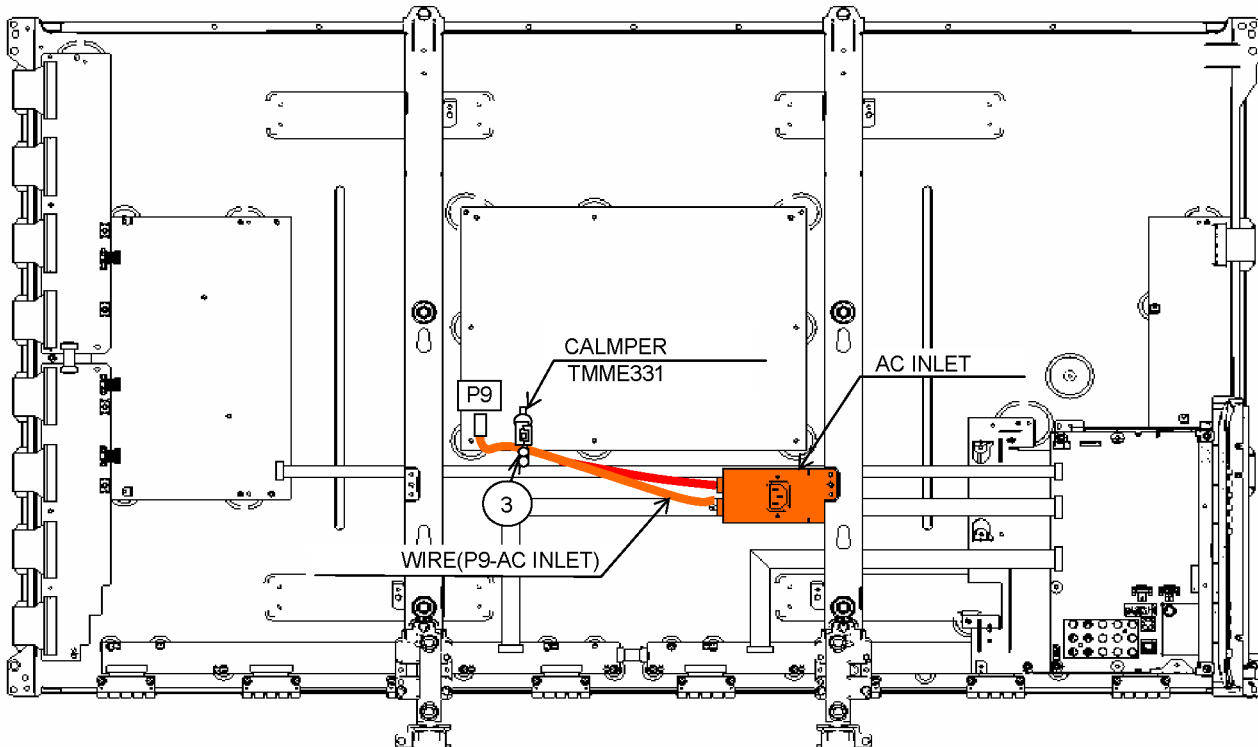
### 11.3. Wiring (2)

CONNECTOR	2
SC20-A21	
C11-A33	
C21-A34	
A6-P6	○
A7-P7	○

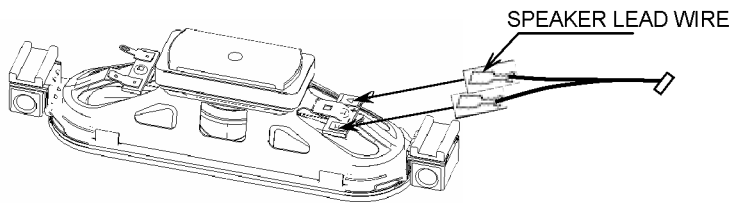
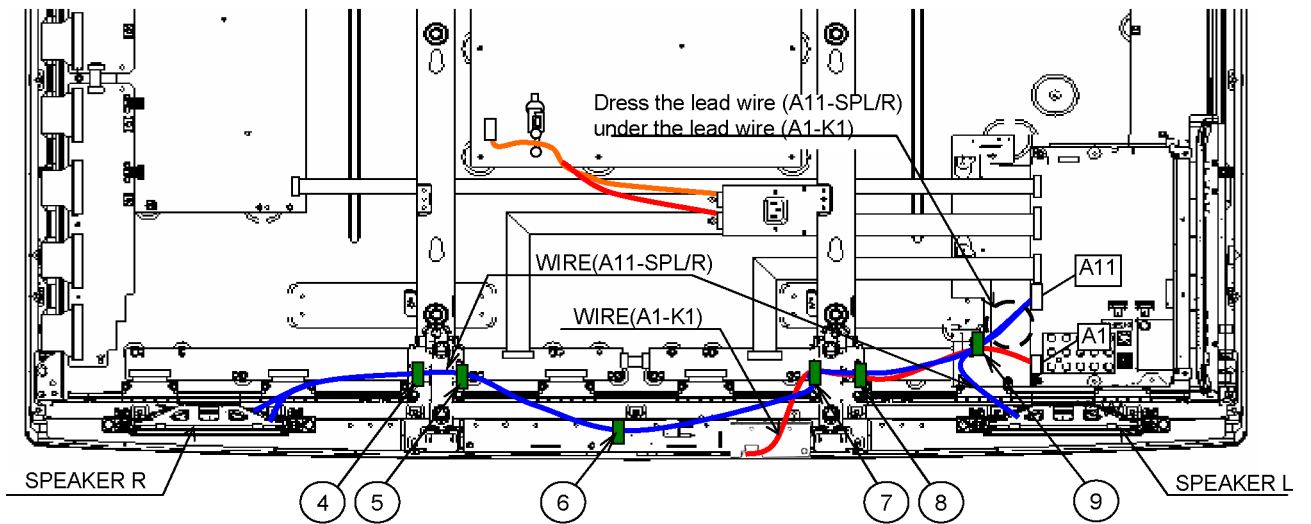


### 11.4. Wiring (3)

CONNECTOR	3		
P9-AC INLET	○		



## 11.5. Wiring (4)

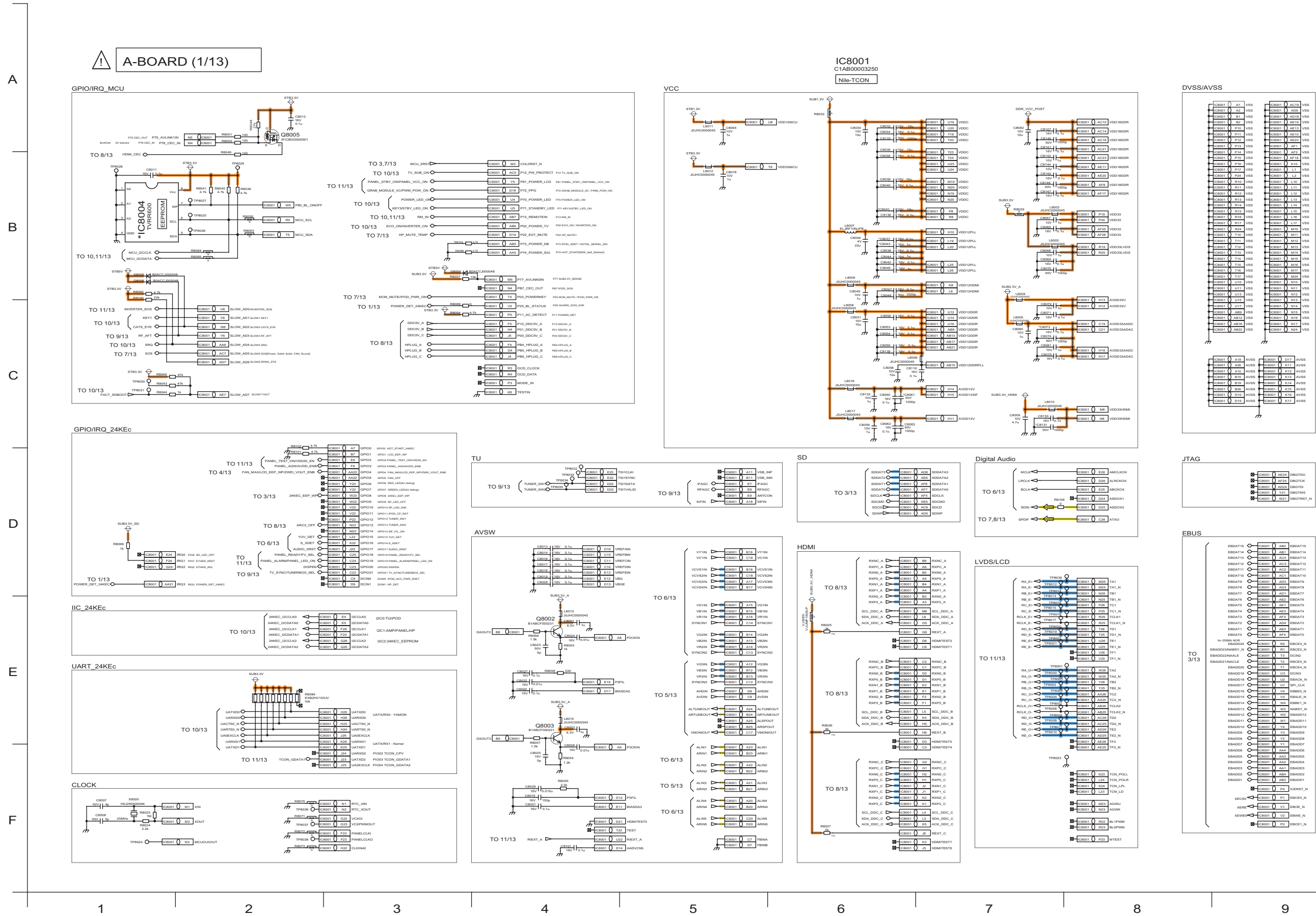


CONNECTOR	4	5	6	7	8	9
A11-SP(R)	○	○	○	○	○	○
-SP(L)						○
A1-K1				○	○	○





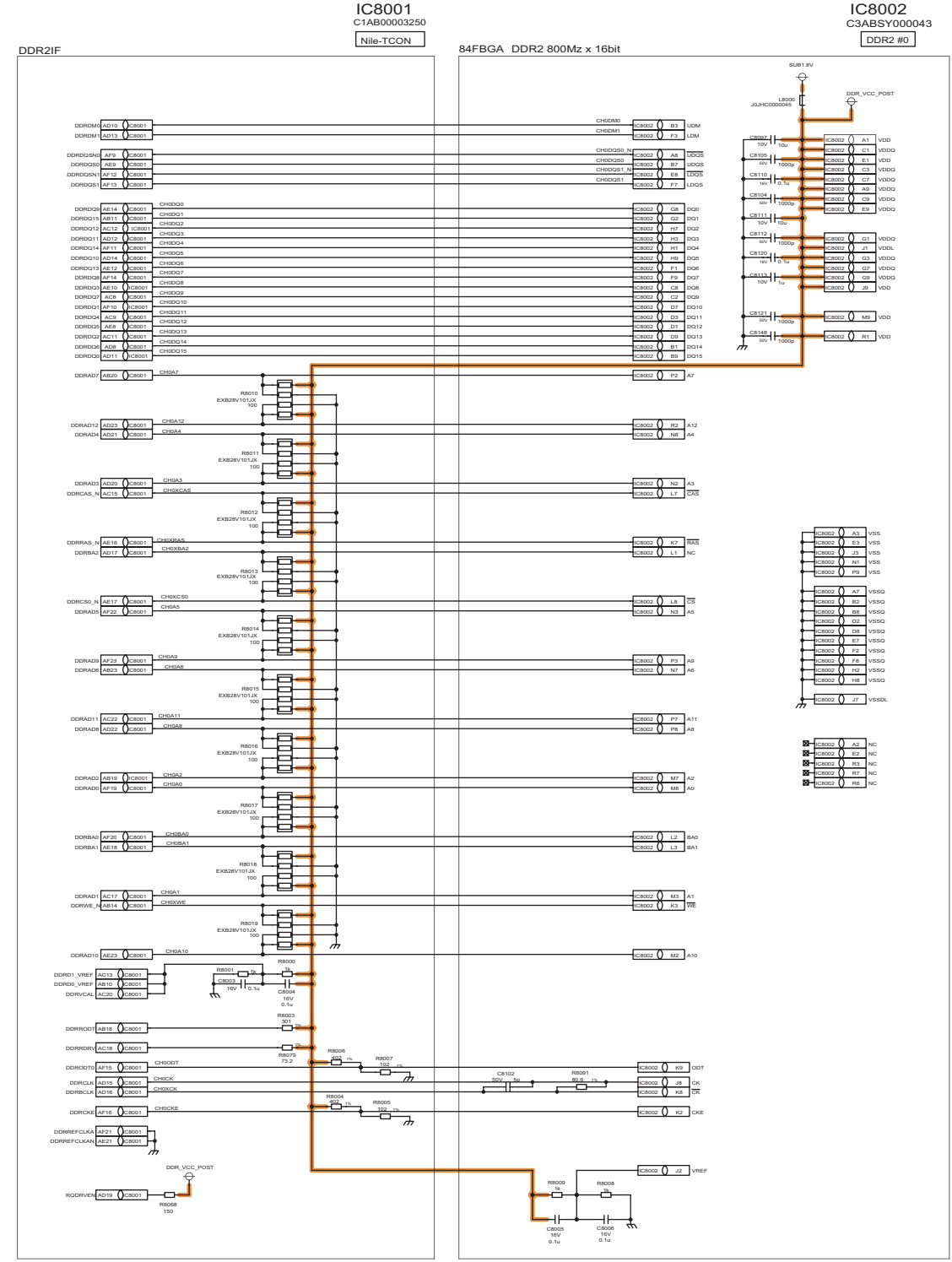
# 12.2. A-Board (1/13) Schematic Diagram





# 12.3. A-Board (2/13) Schematic Diagram

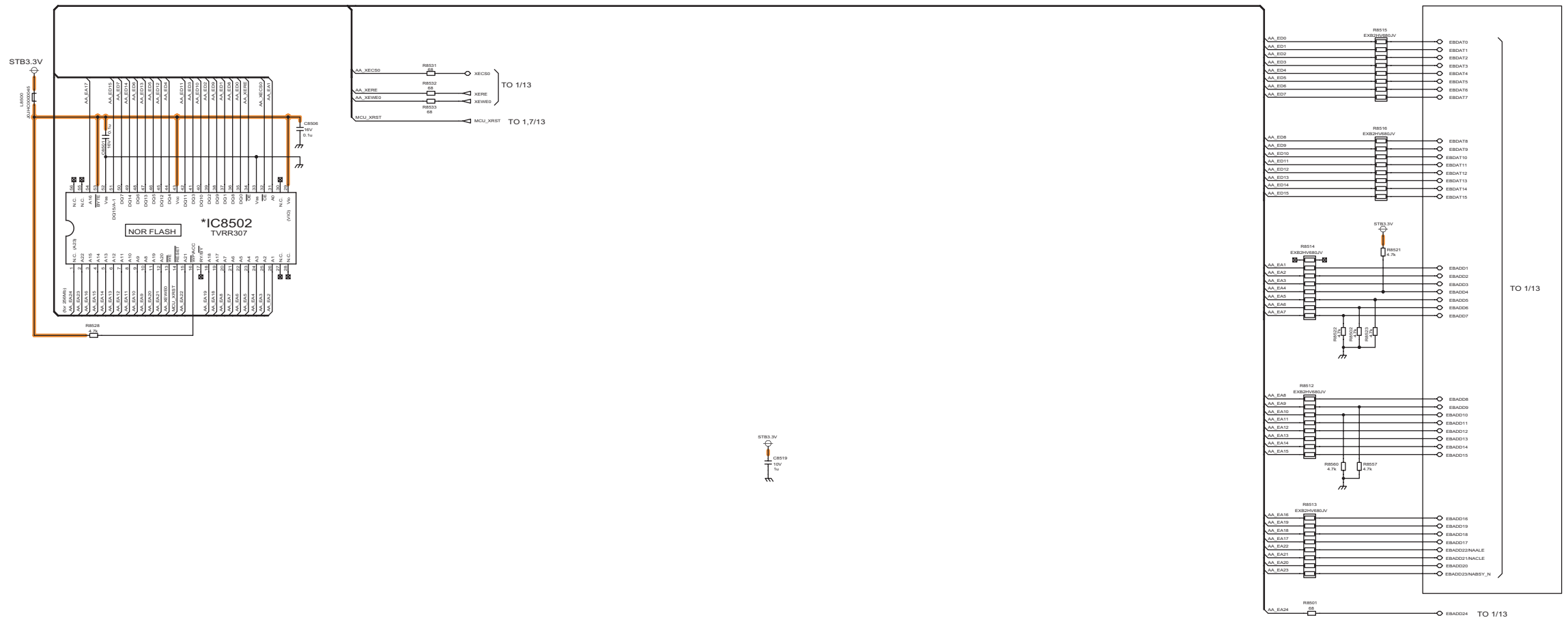
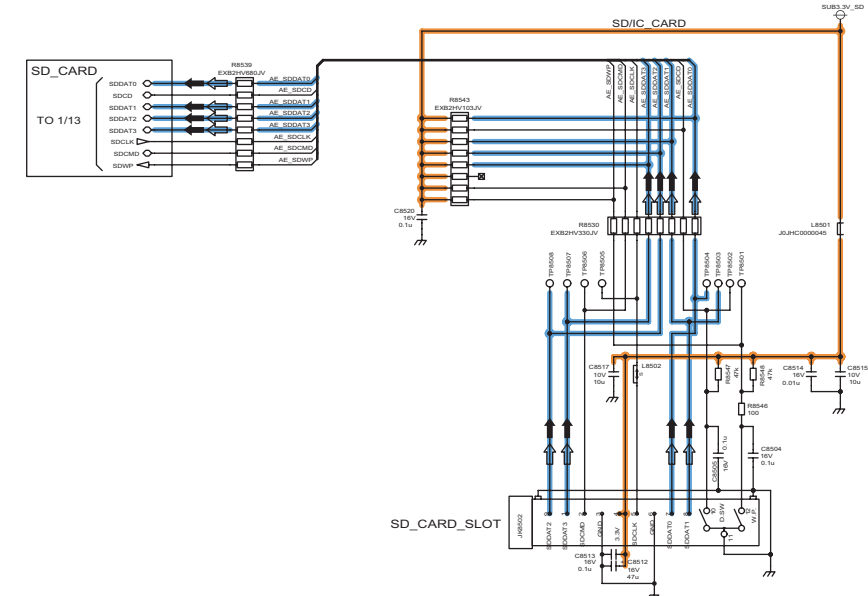
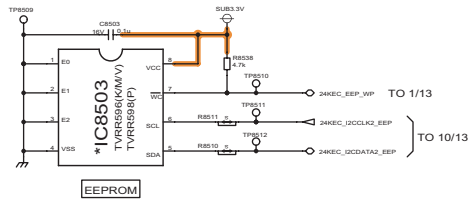
A-BOARD (2/13)



10 11 12 13 14 15 16 17 18

# 12.4. A-Board (3/13) Schematic Diagram

**A-BOARD (3/13)**



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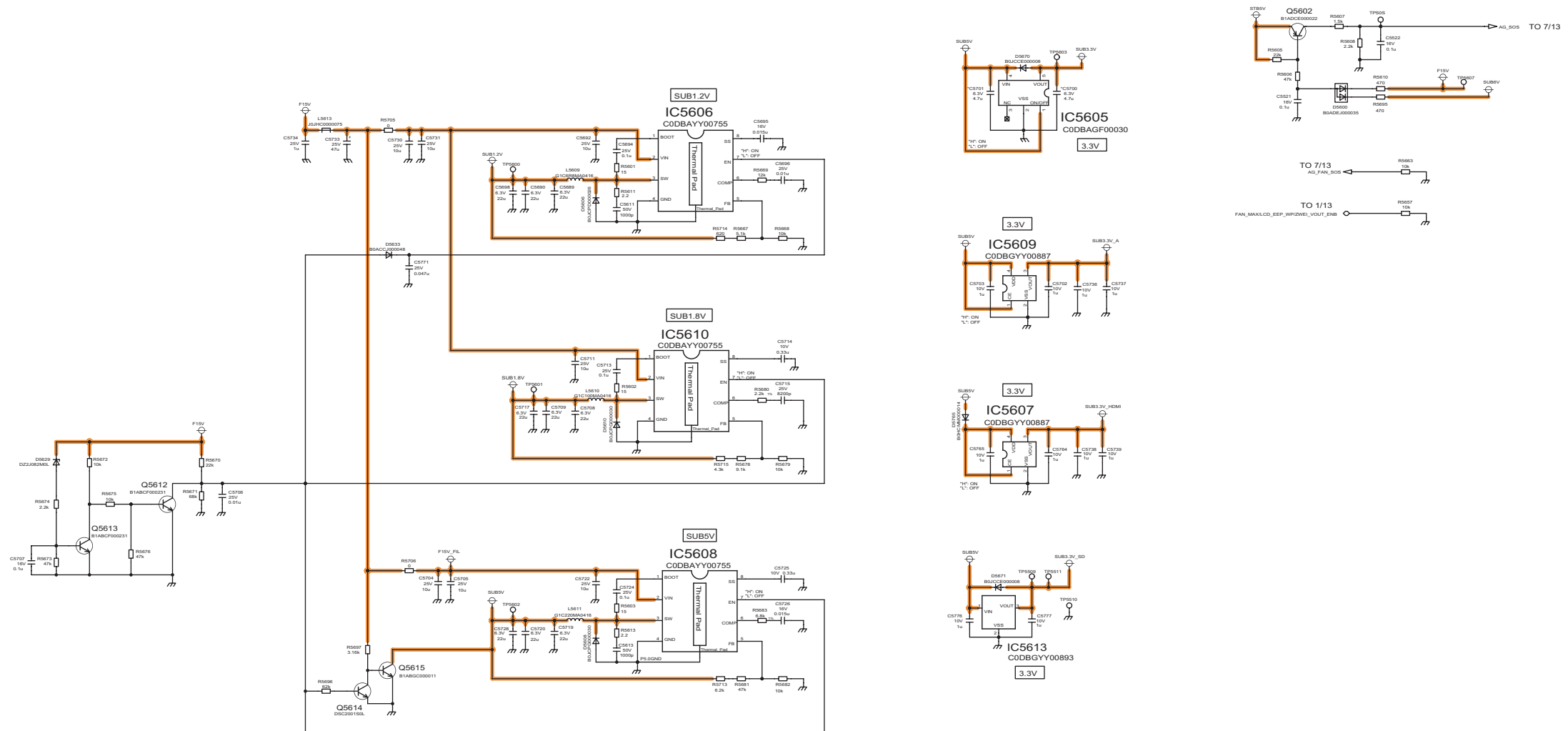
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# 12.5. A-Board (4/13) Schematic Diagram

! A-BOARD (4/13)



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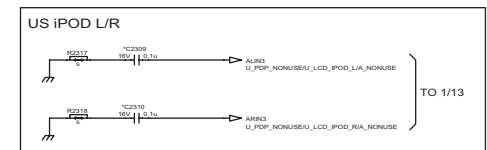
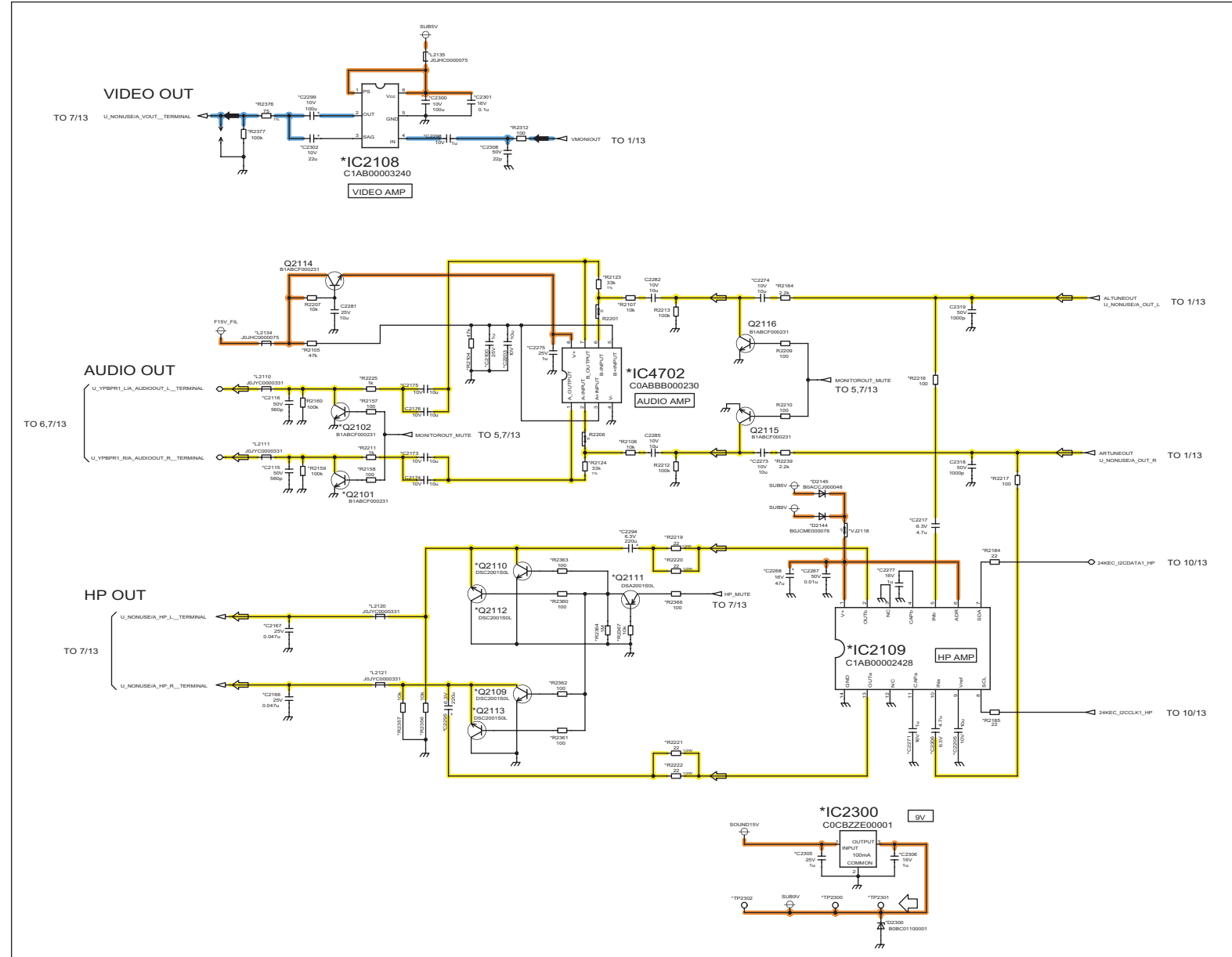
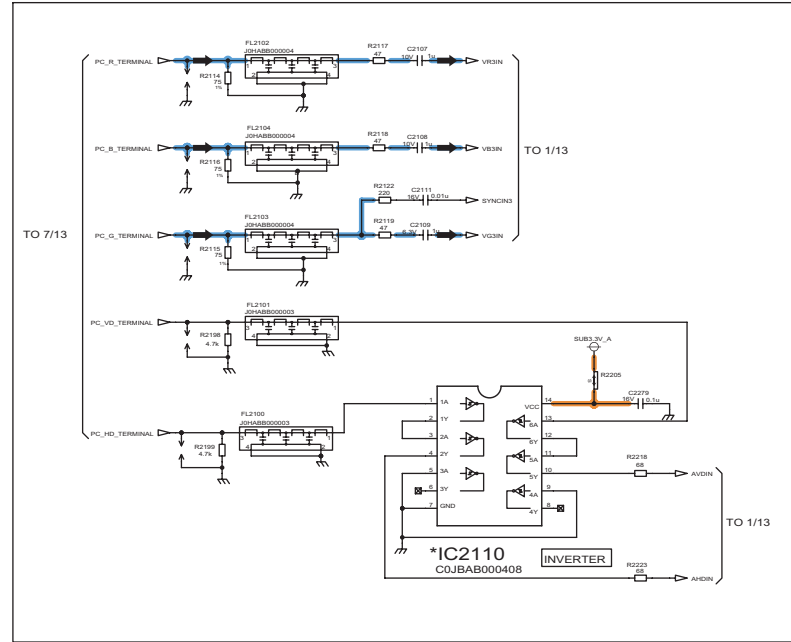
35

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# 12.6. A-Board (5/13) Schematic Diagram

**A-BOARD (5/13)**

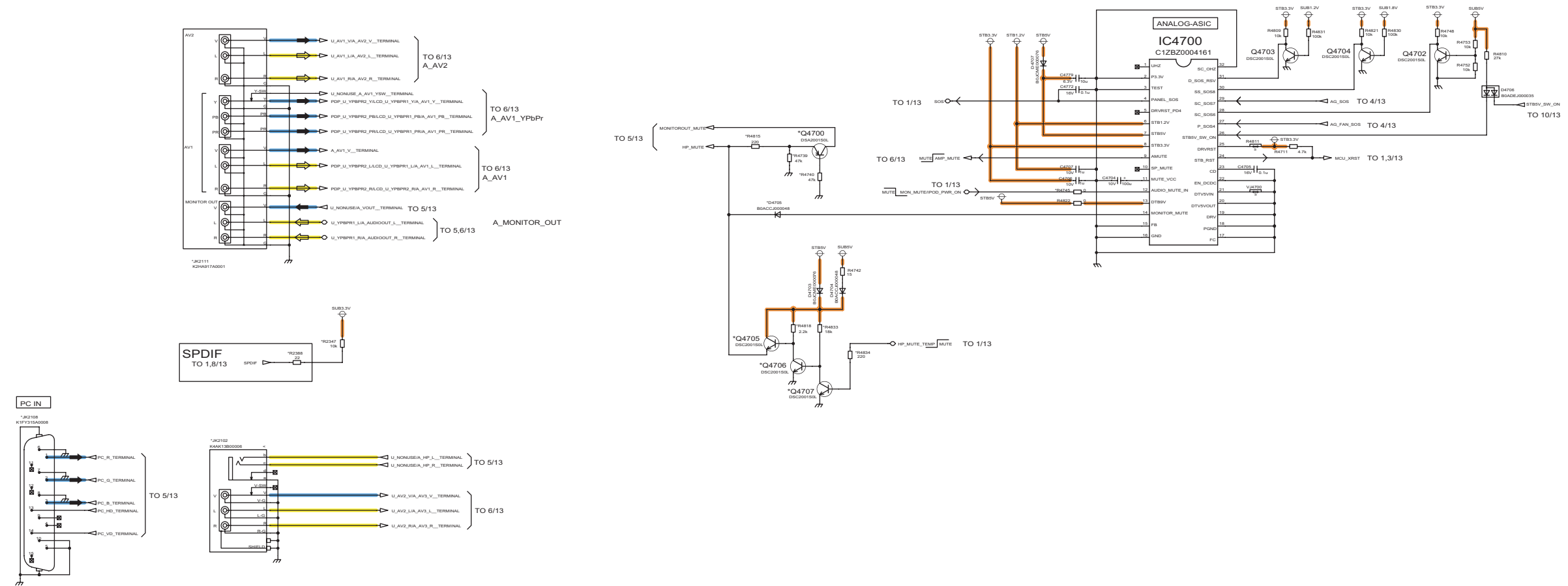
PC MODEL





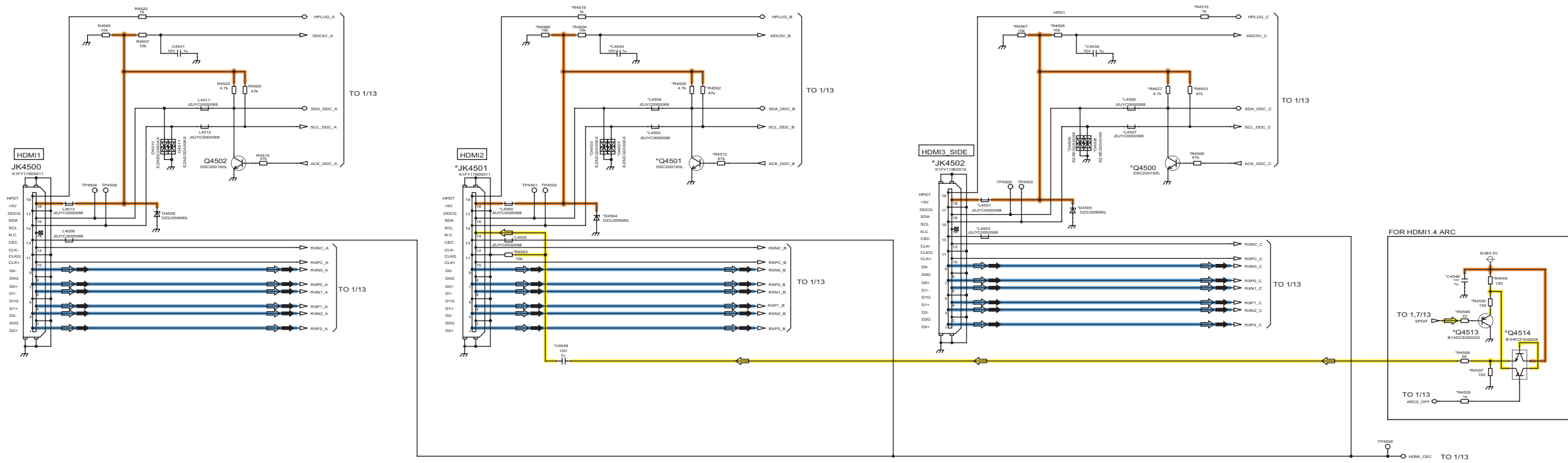
# 12.8. A-Board (7/13) Schematic Diagram

! A-BOARD (7/13)



# 12.9. A-Board (8/13) Schematic Diagram

! A-BOARD (8/13)



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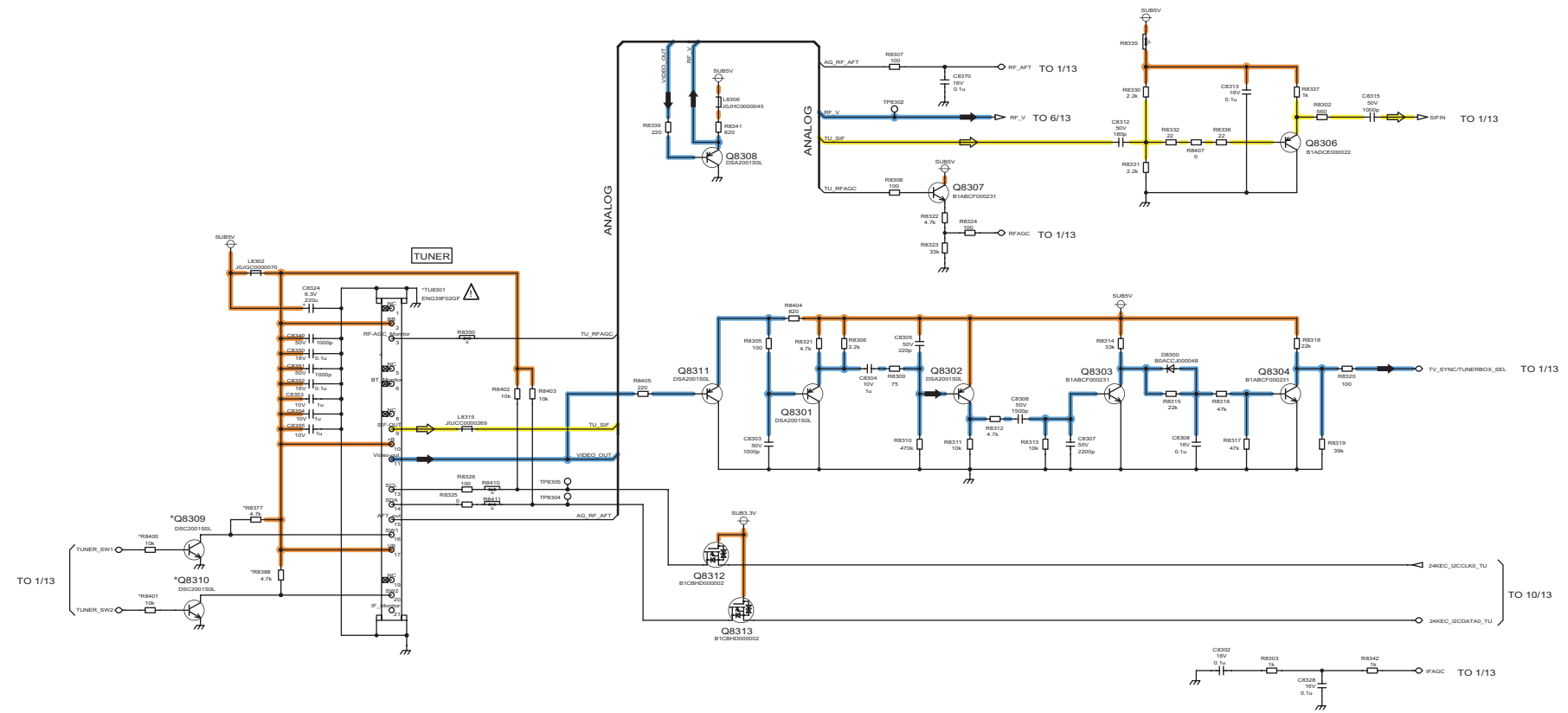
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# 12.10. A-Board (9/13) Schematic Diagram

! A-BOARD (9/13)



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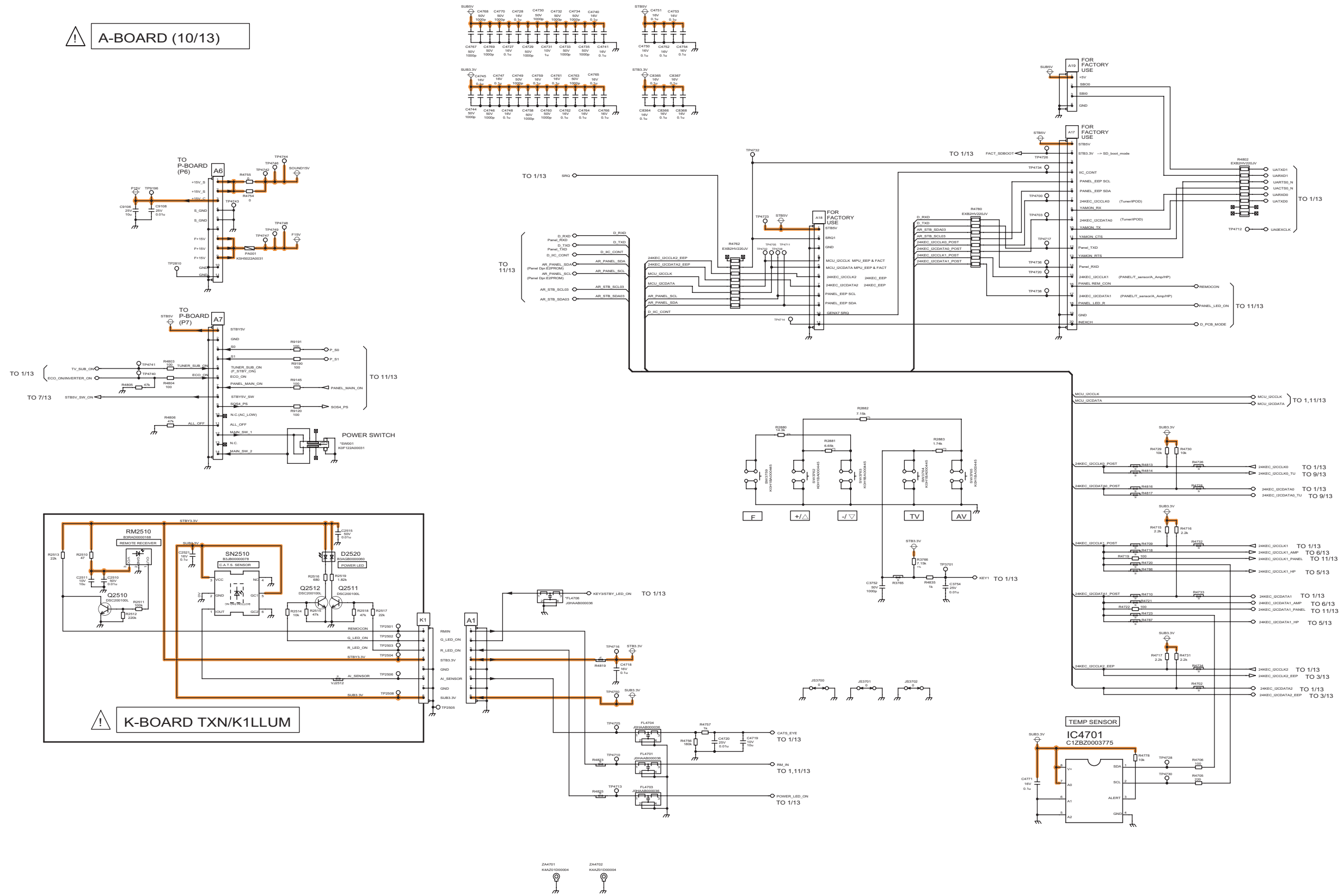
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# 12.11. A-Board (10/13) and K-Board Schematic Diagram

**A-BOARD (10/13)**



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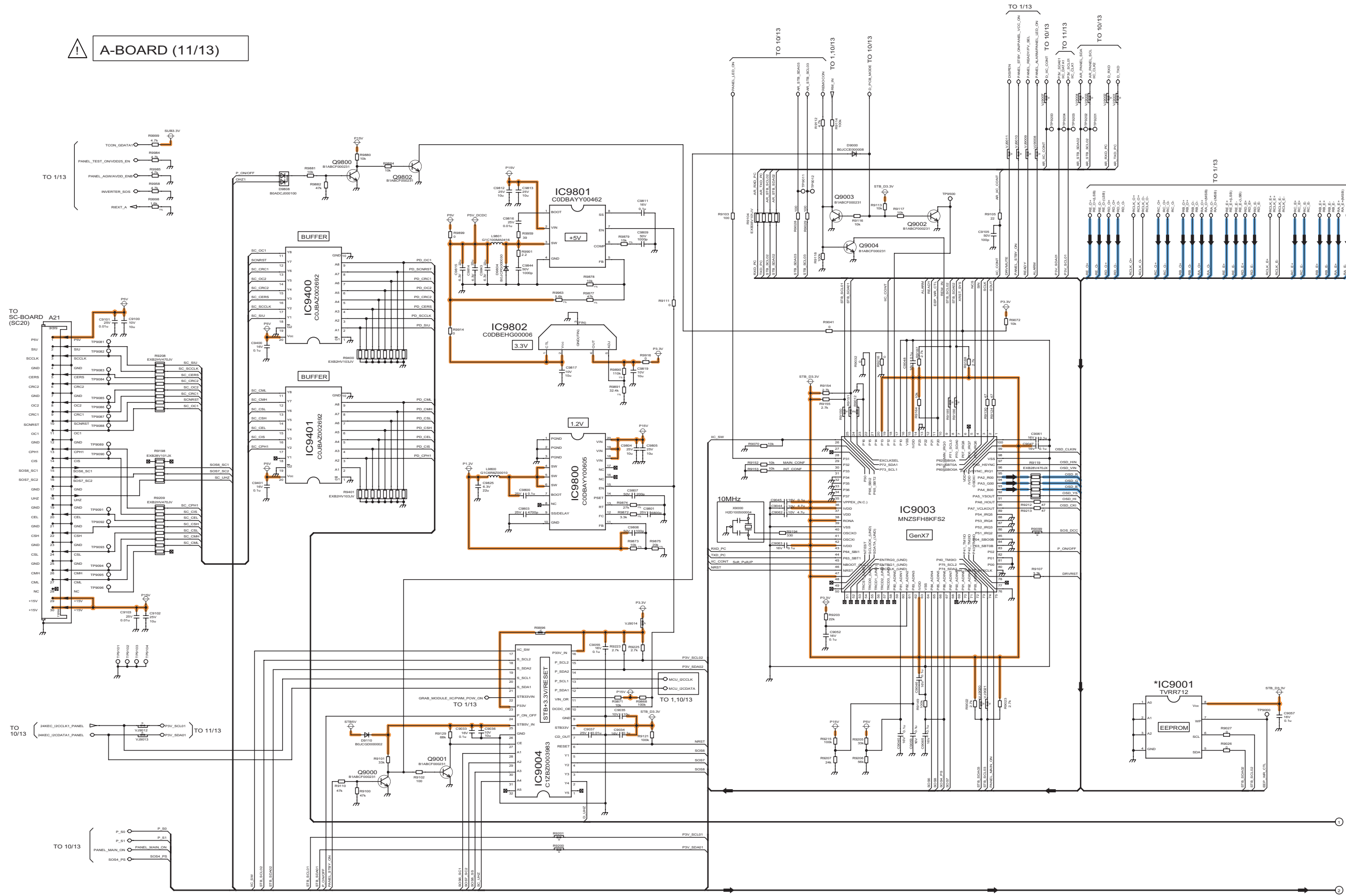
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# 12.12. A-Board (11/13) Schematic Diagram



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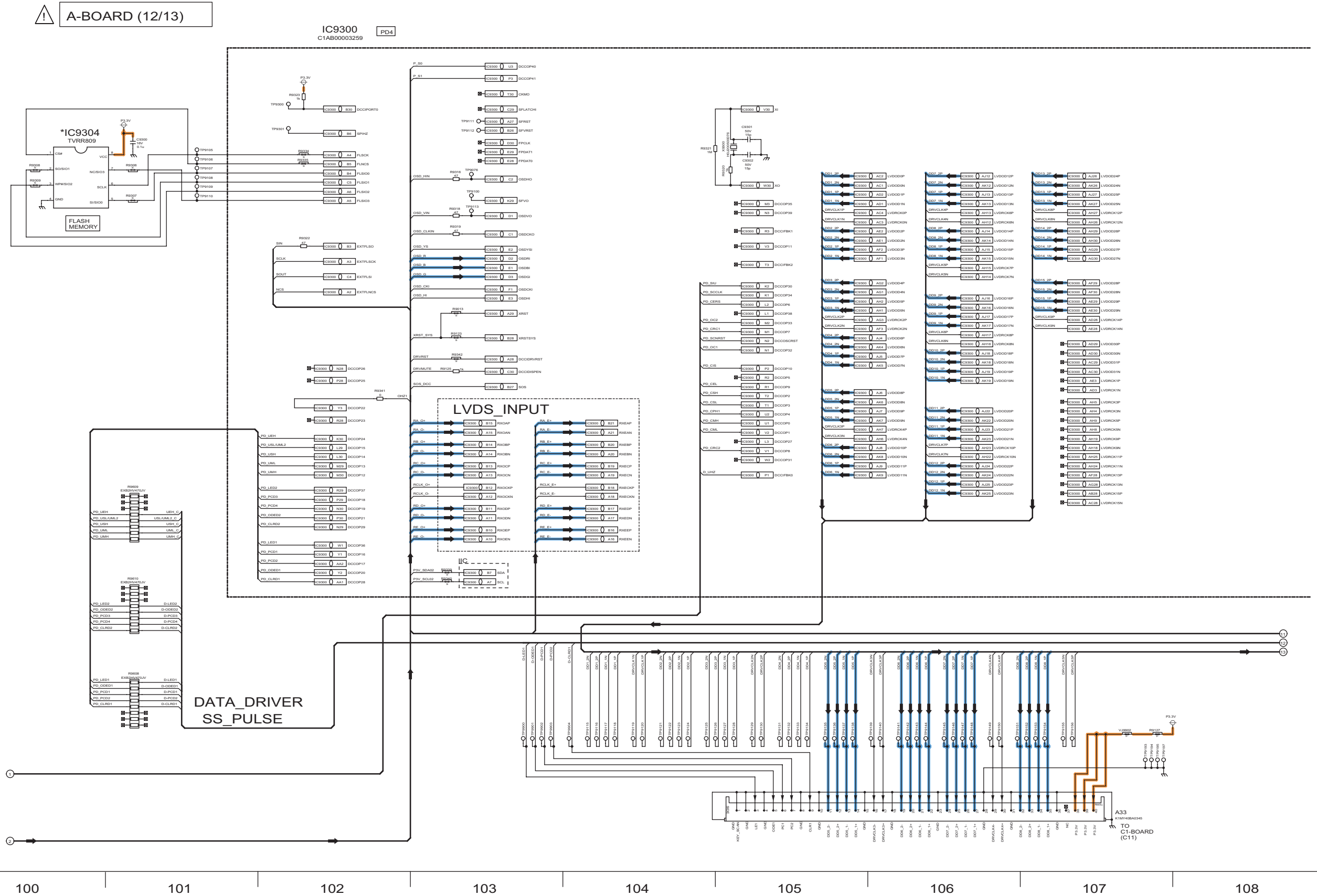
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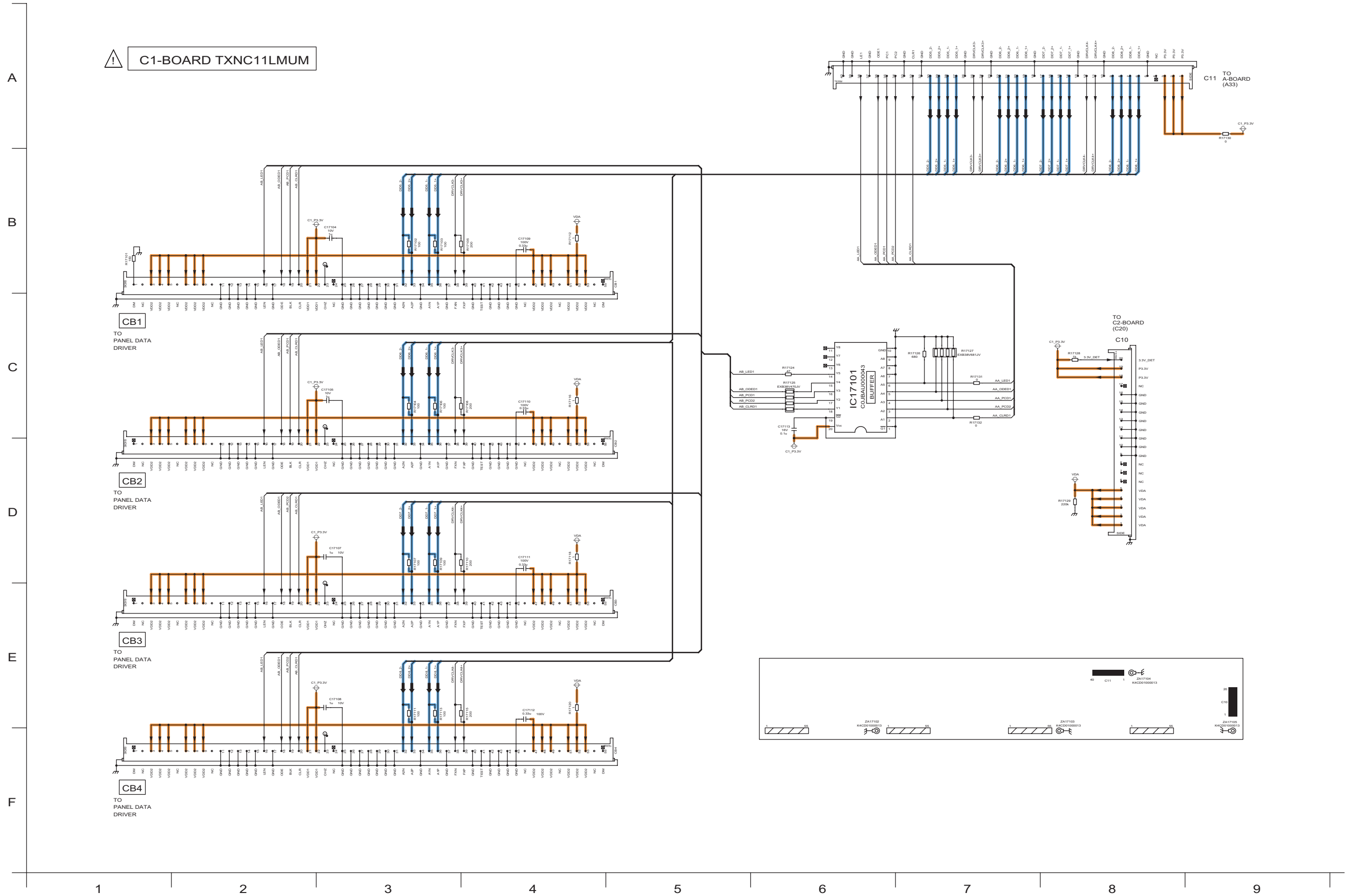
99

# 12.13. A-Board (12/13) Schematic Diagram

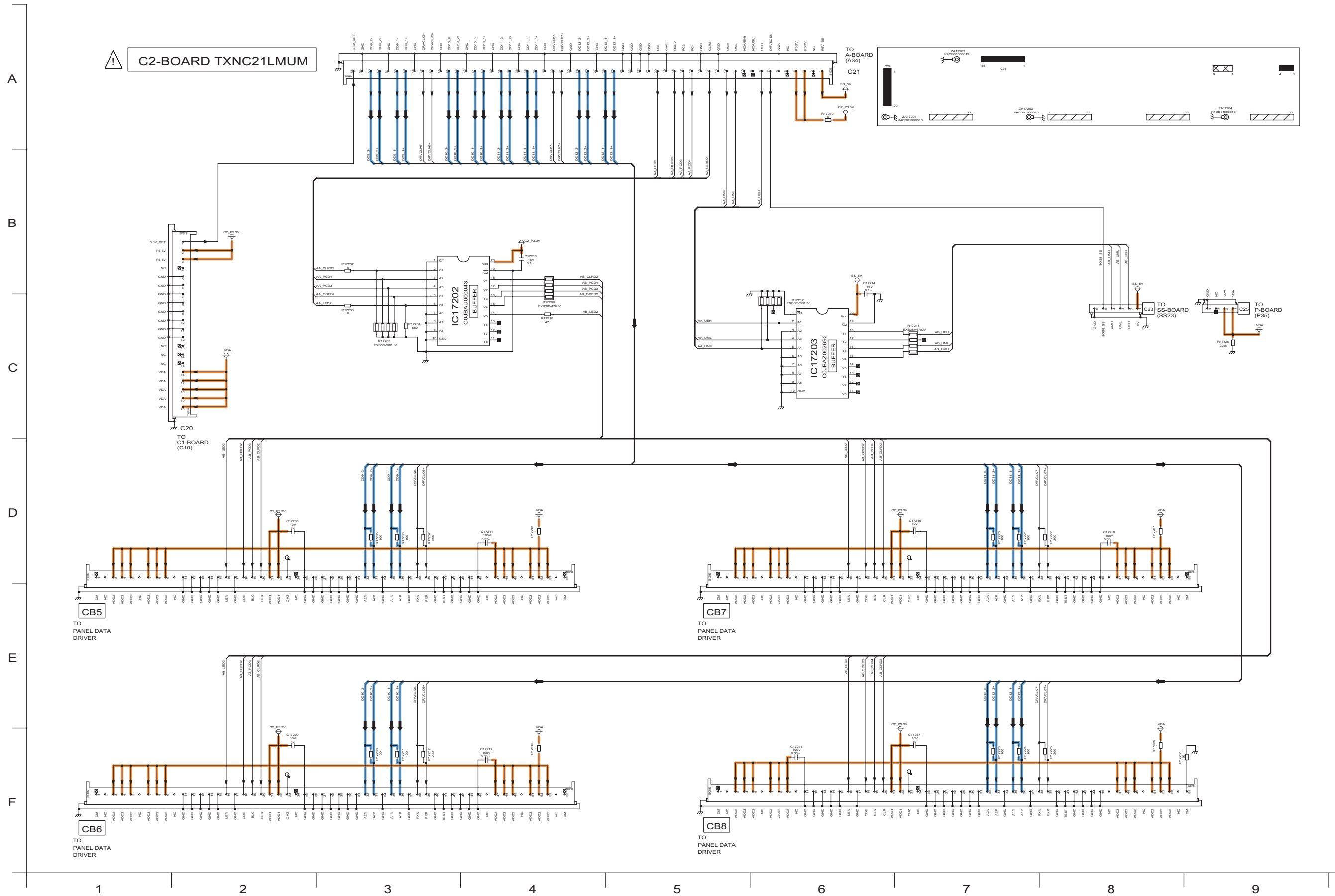




# 12.15. C1-Board Schematic Diagram

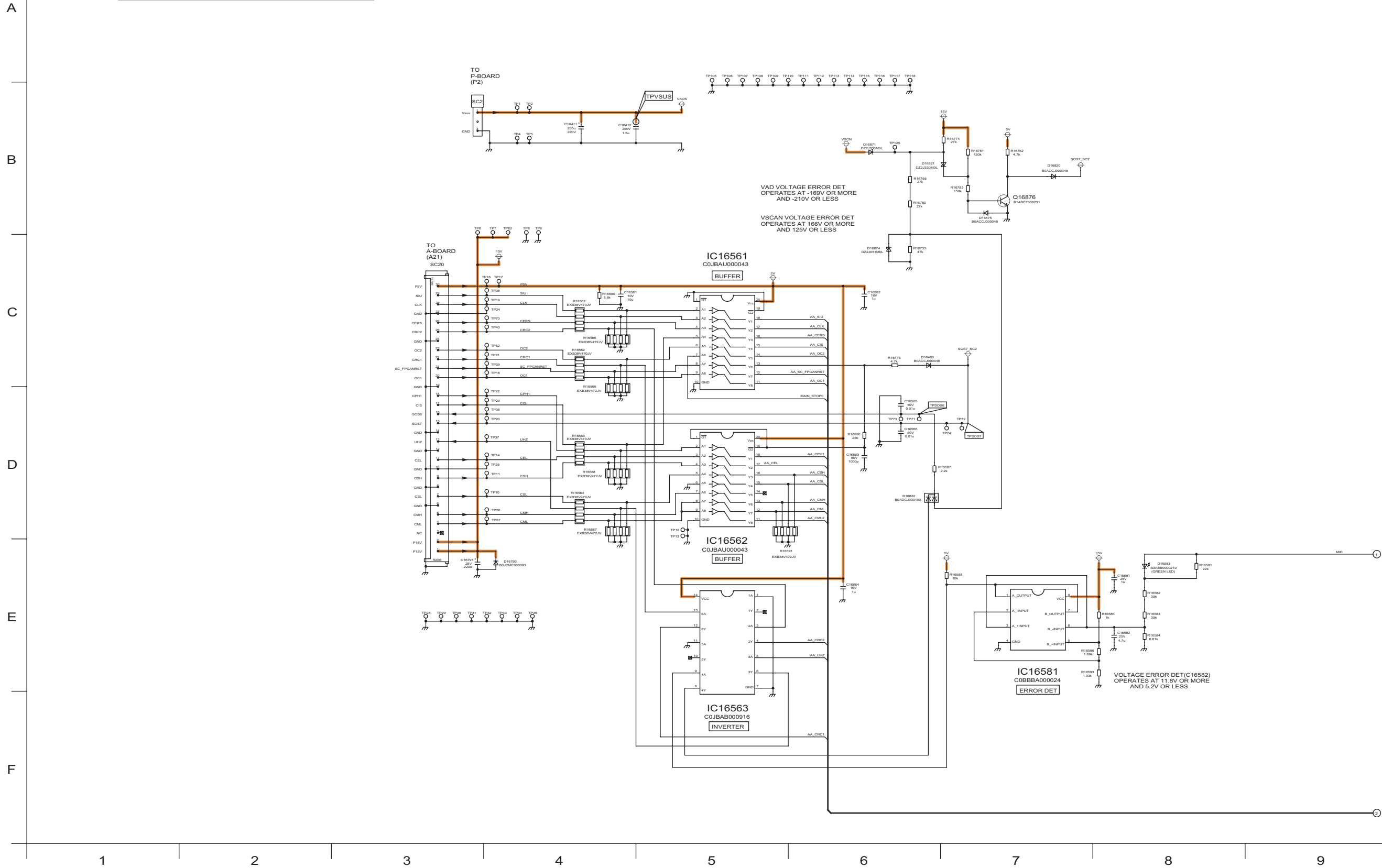


# 12.16. C2-Board Schematic Diagram



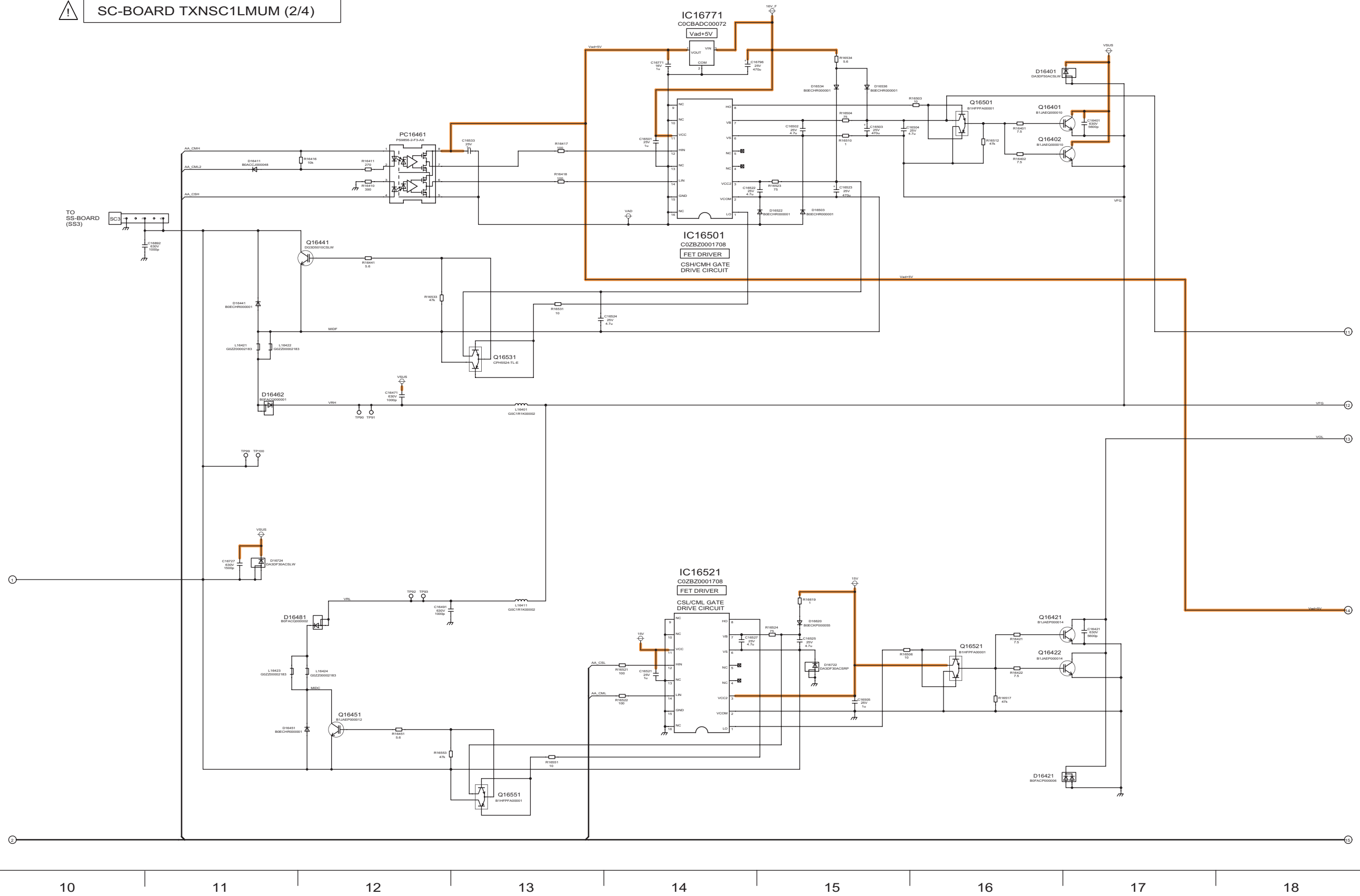
# 12.17. SC-Board (1/4) Schematic Diagram

SC-BOARD TXNSC1LMUM (1/4)



# 12.18. SC-Board (2/4) Schematic Diagram

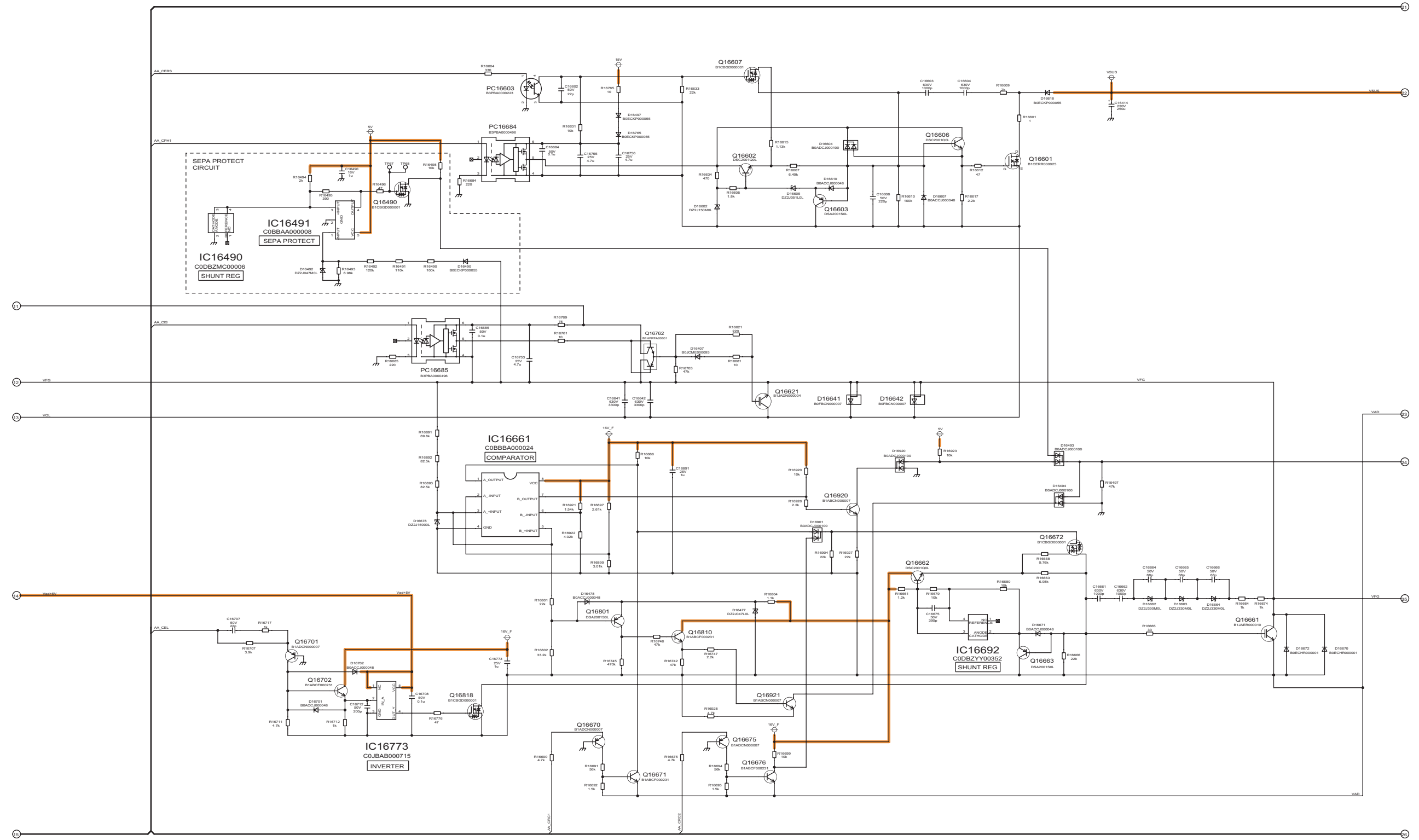
SC-BOARD TXNSC1LMUM (2/4)





# 12.19. SC-Board (3/4) Schematic Diagram

SC-BOARD TXNSC1LMUM (3/4)



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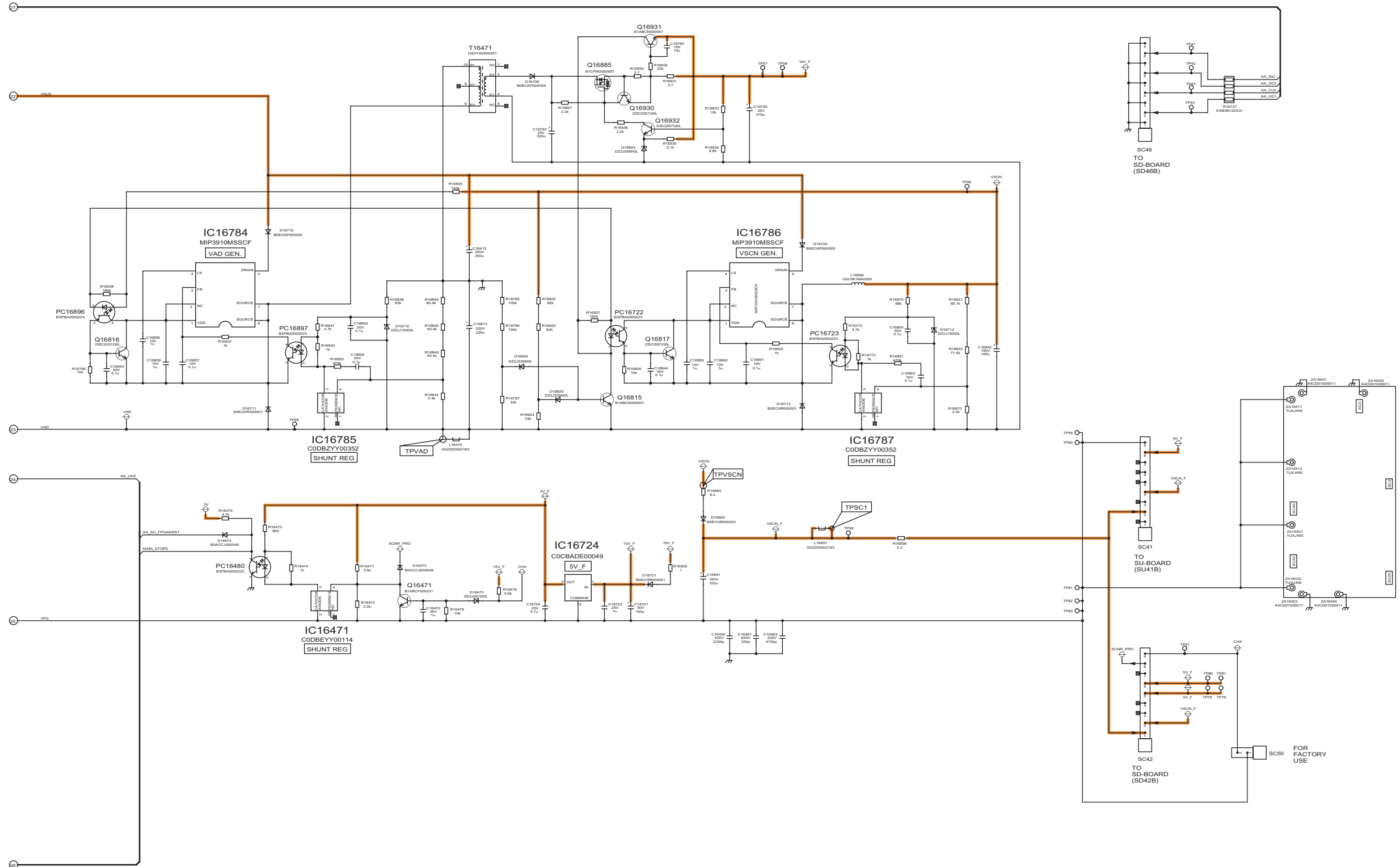
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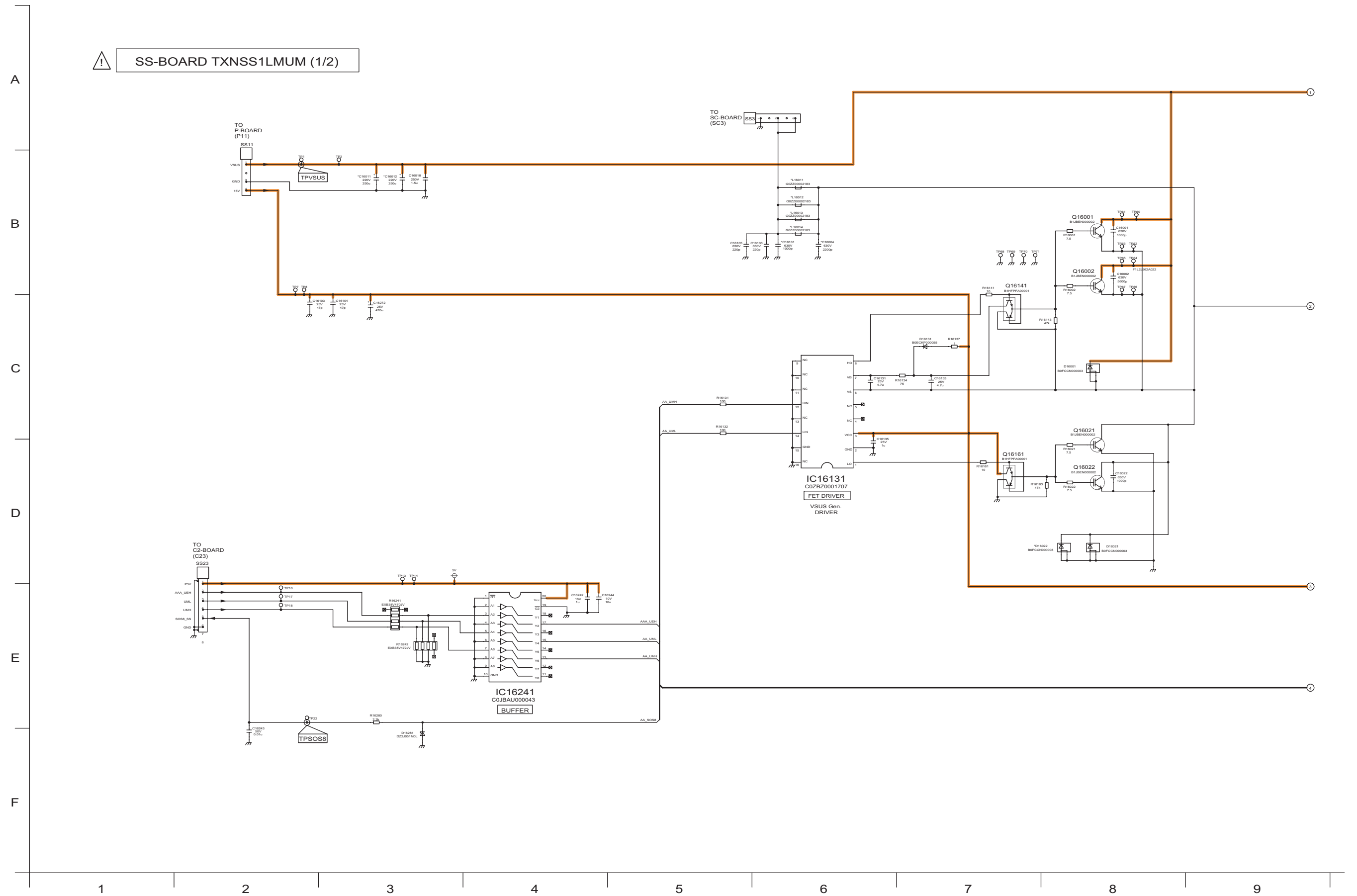
27

# 12.20. SC-Board (4/4) Schematic Diagram

! SC-BOARD TXNSC1LMUM (4/4)

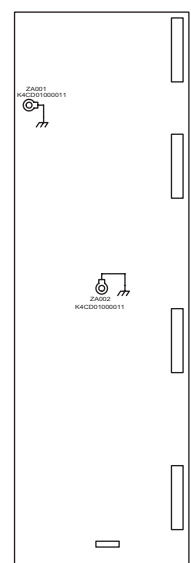
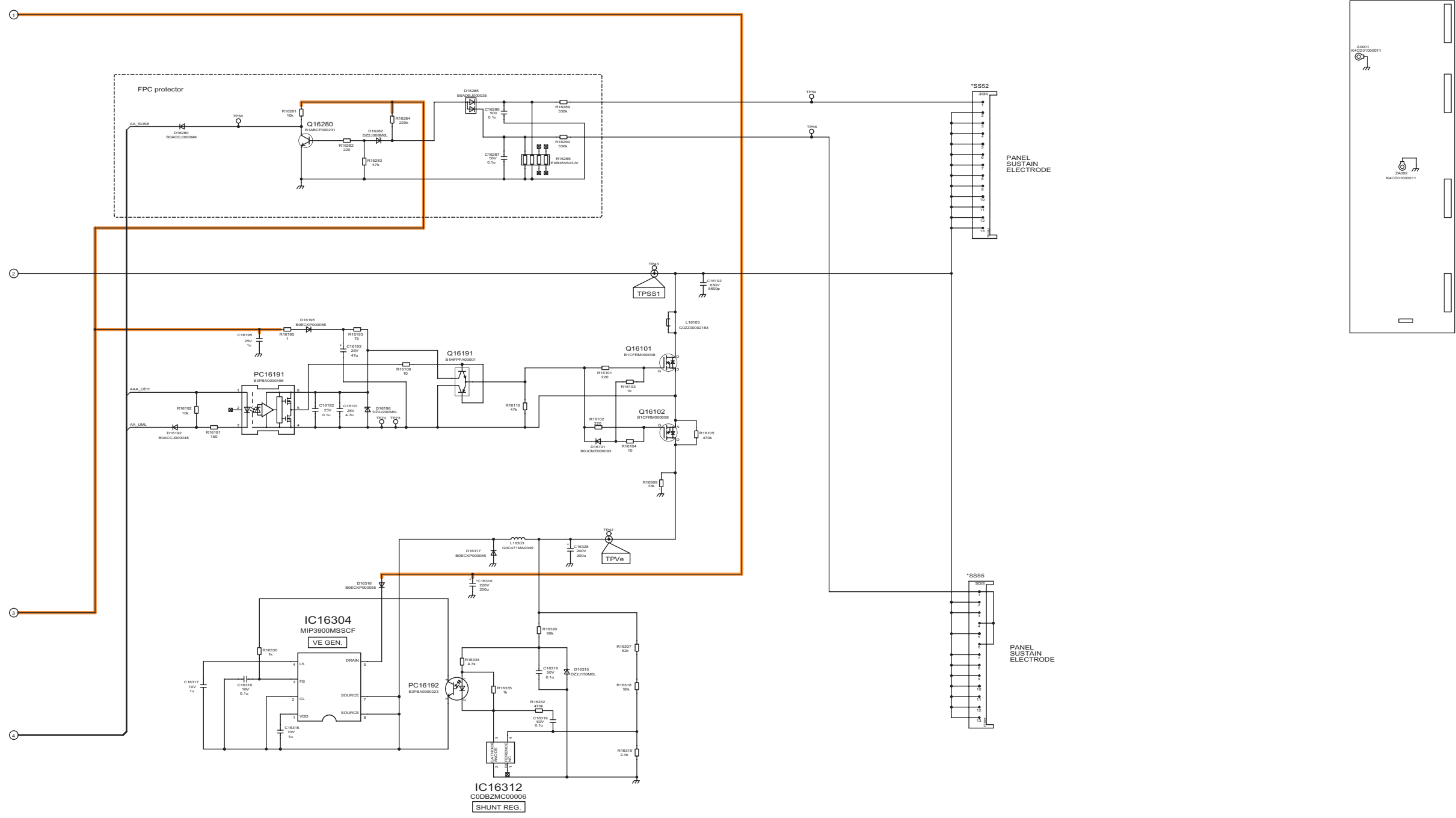


# 12.21. SS-Board (1/2) Schematic Diagram



# 12.22. SS-Board (2/2) Schematic Diagram

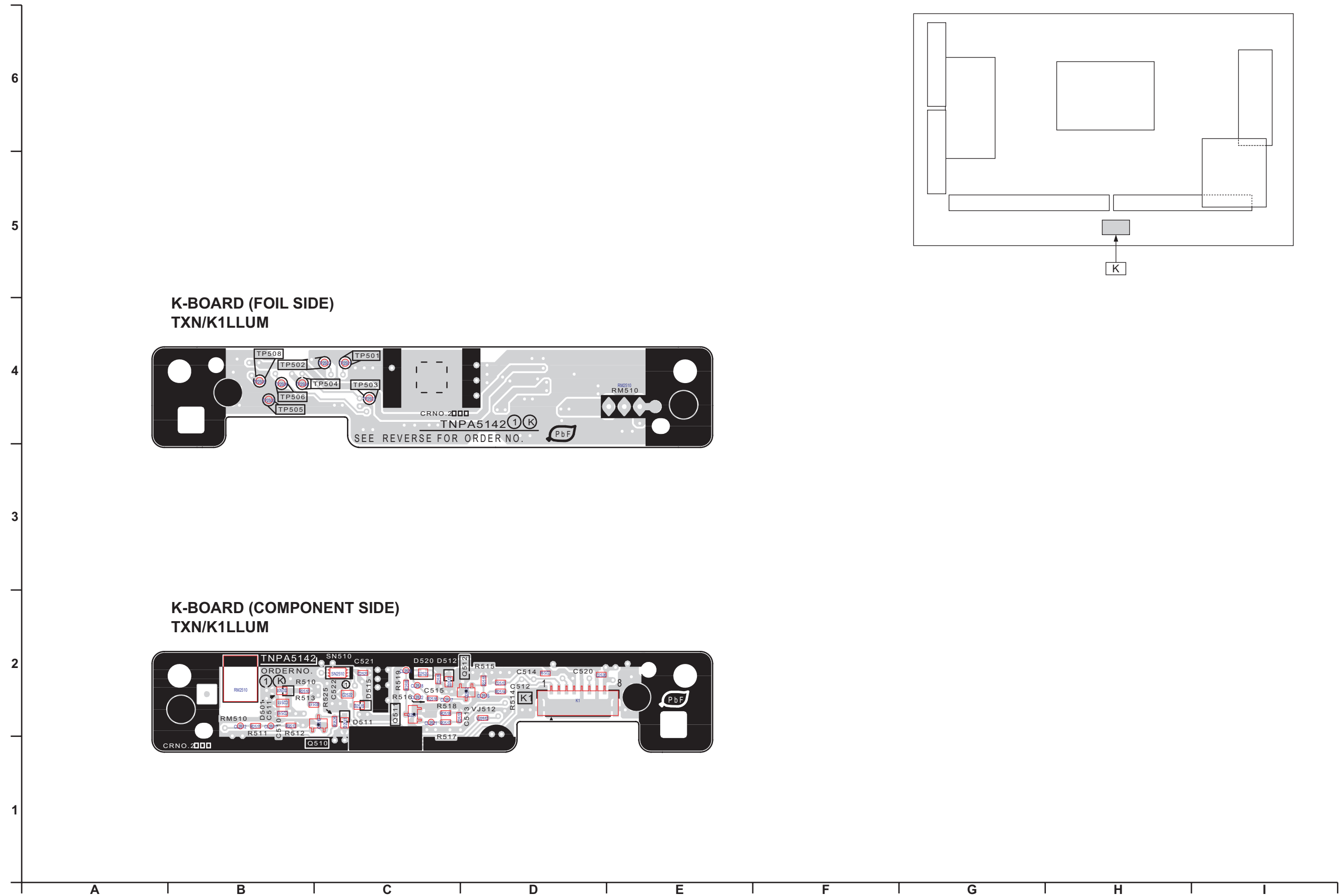
! SS-BOARD TXNSS1LMUM (2/2)



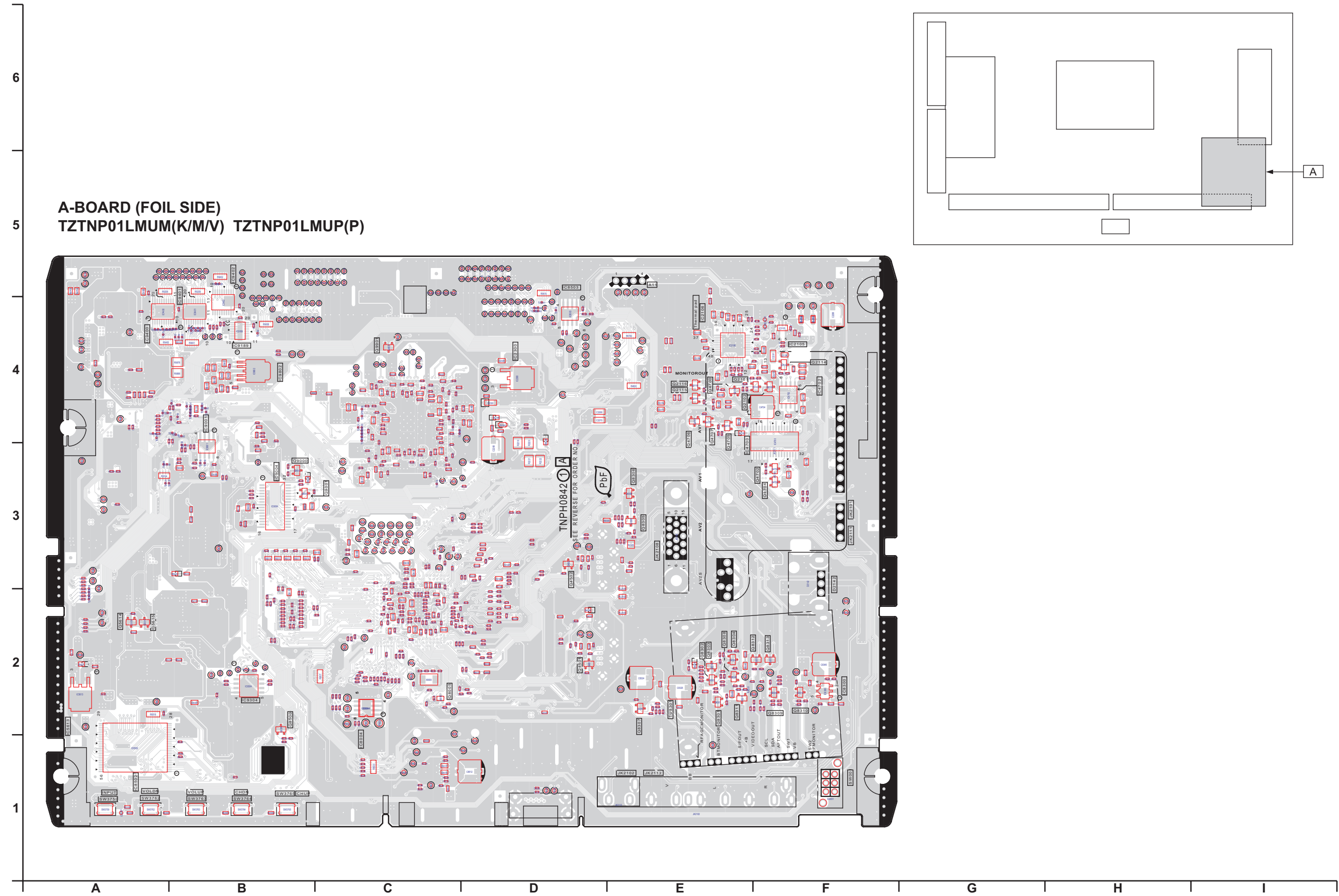
10      11      12      13      14      15      16      17      18

# 13 Printed Circuit Board

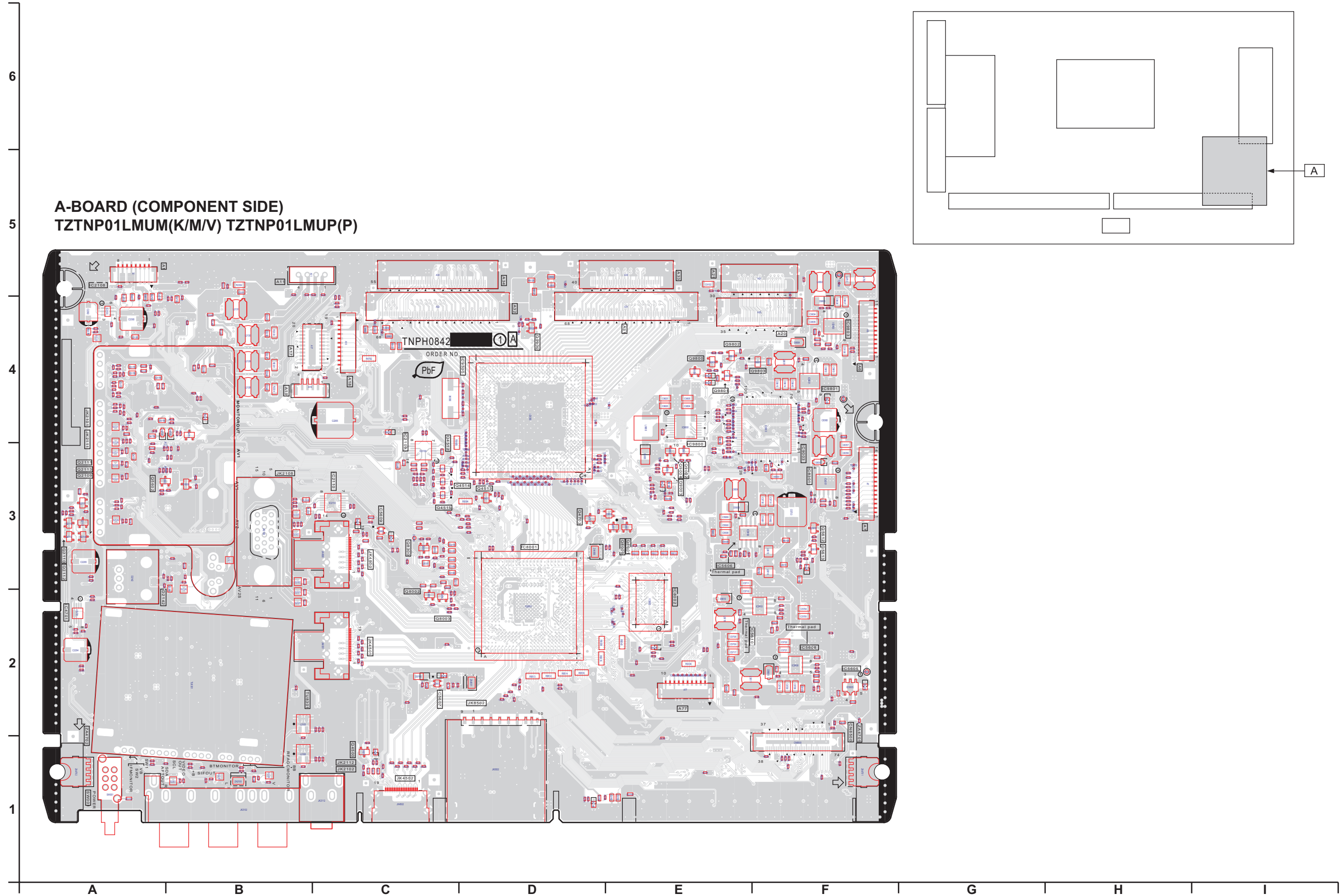
## 13.1. K-Board



# 13.2. A-Board

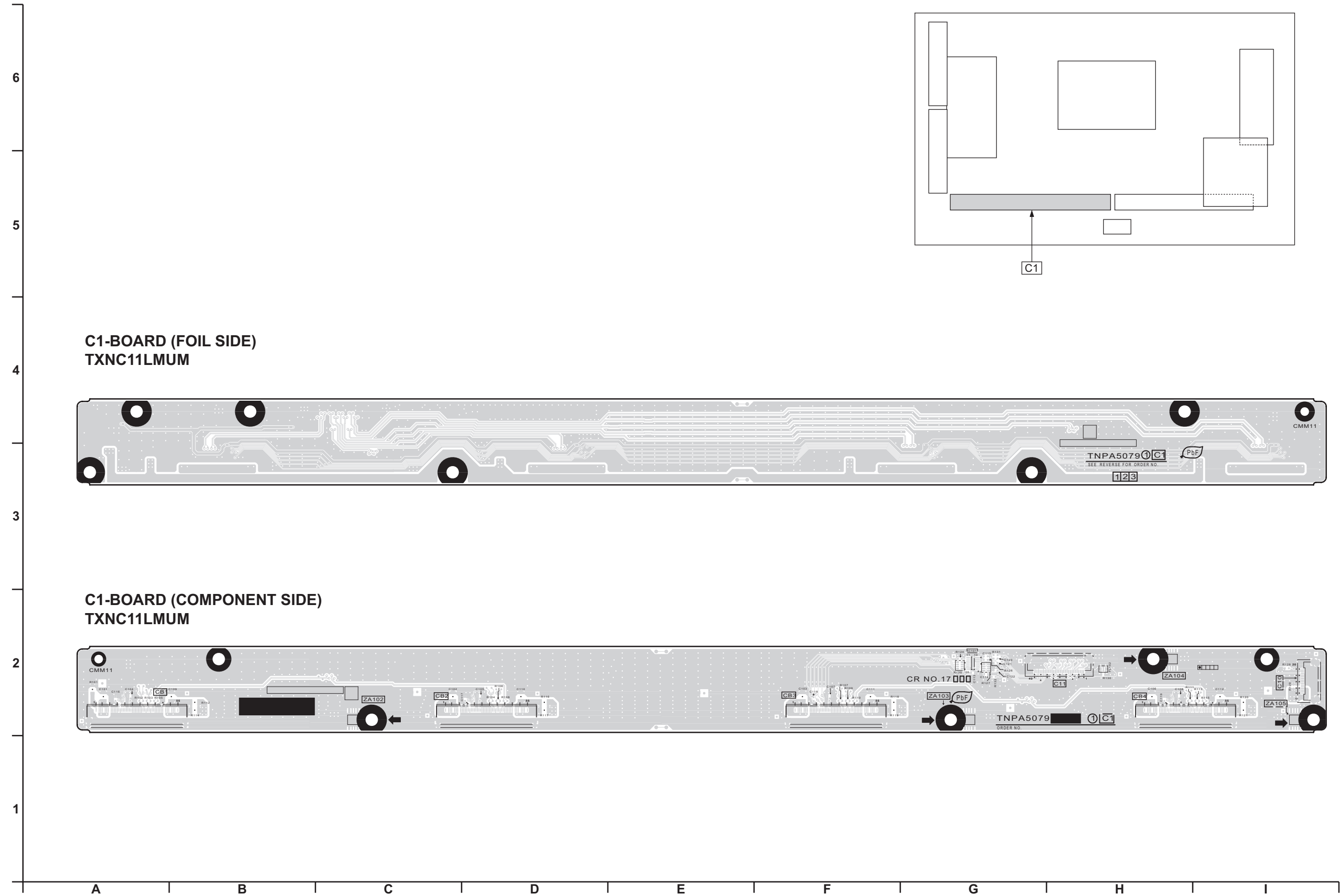


**A-BOARD (COMPONENT SIDE)**  
**TZTNP01LMUM(K/M/V) TZTNP01LMUP(P)**



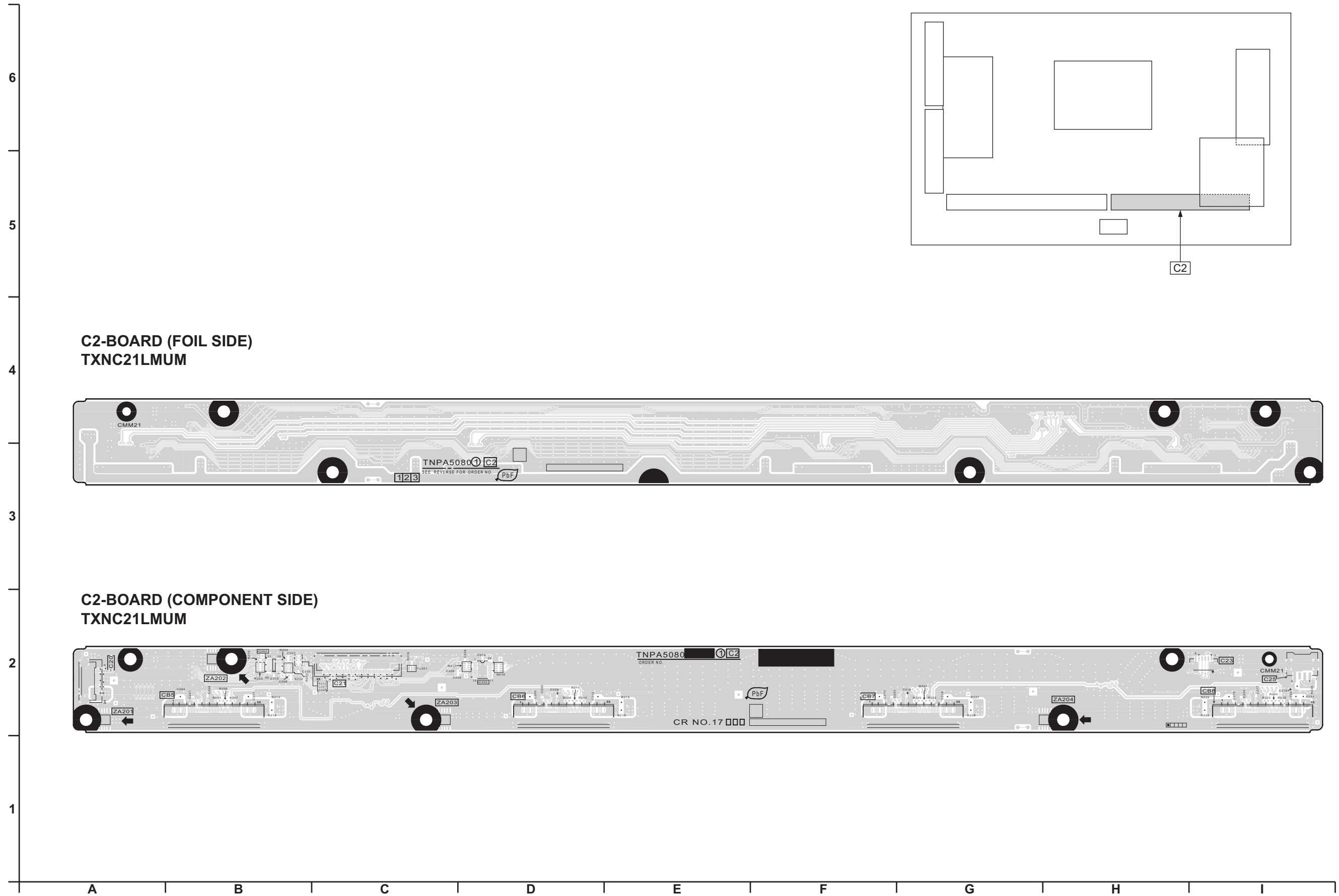


### 13.3. C1-Board

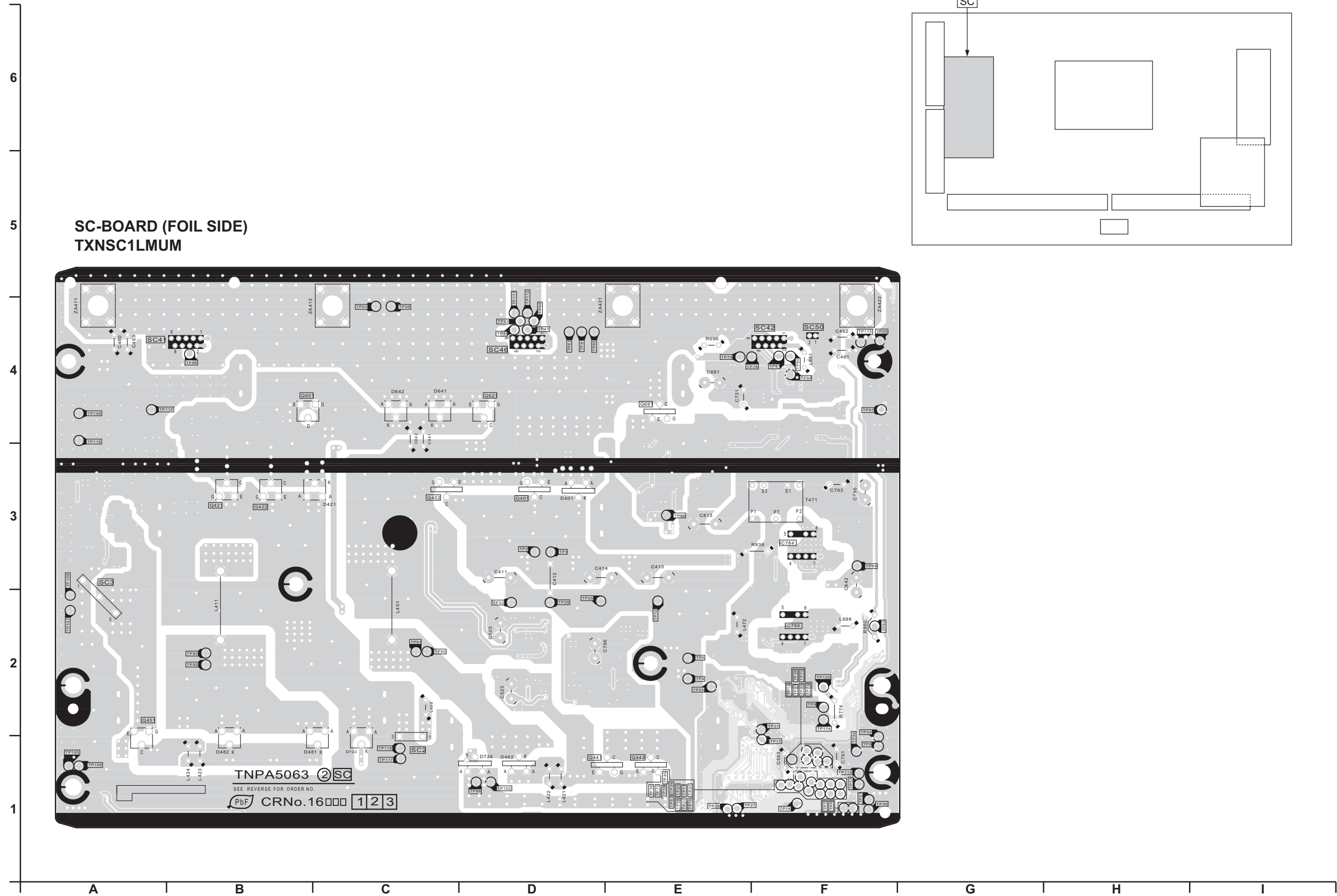




### 13.4. C2-Board

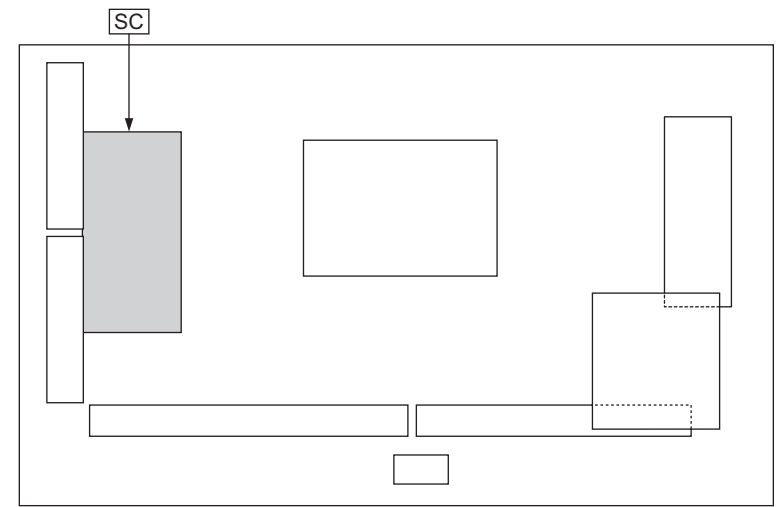
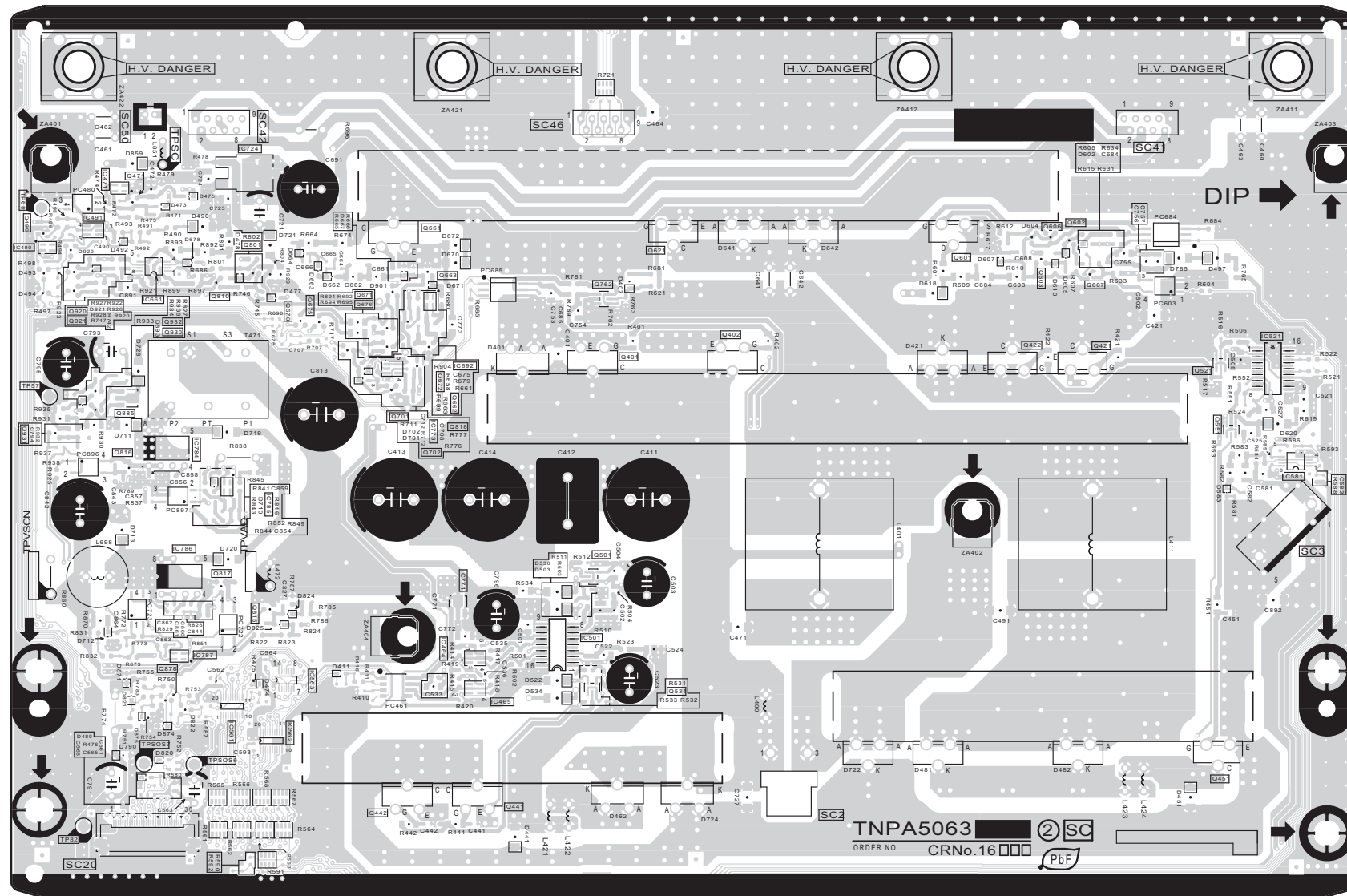


# 13.5. SC-Board

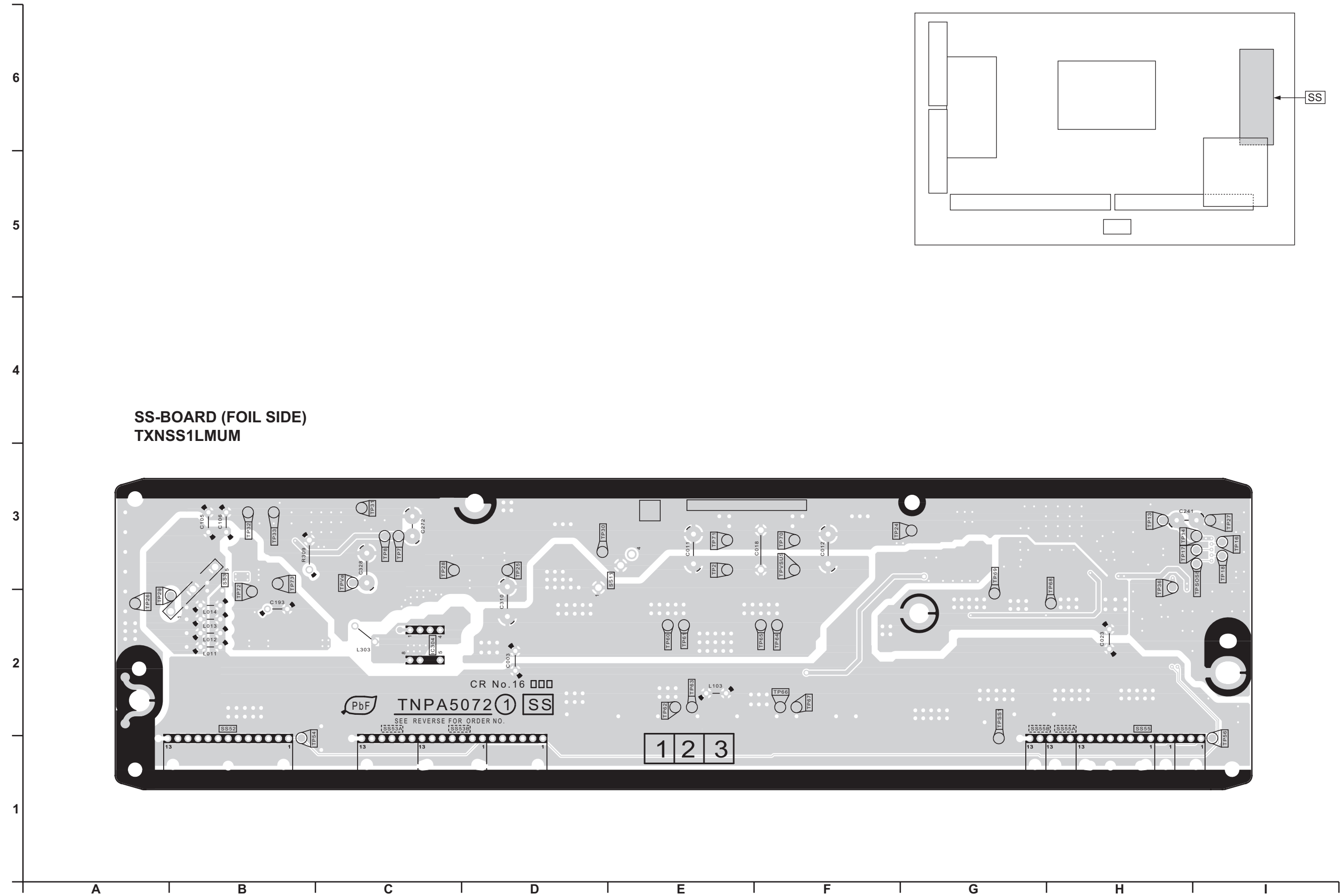


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4  
3  
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1  
A B C D E F G H I

**SC-BOARD (COMPONENT SIDE)  
TXNSC1LMUM**

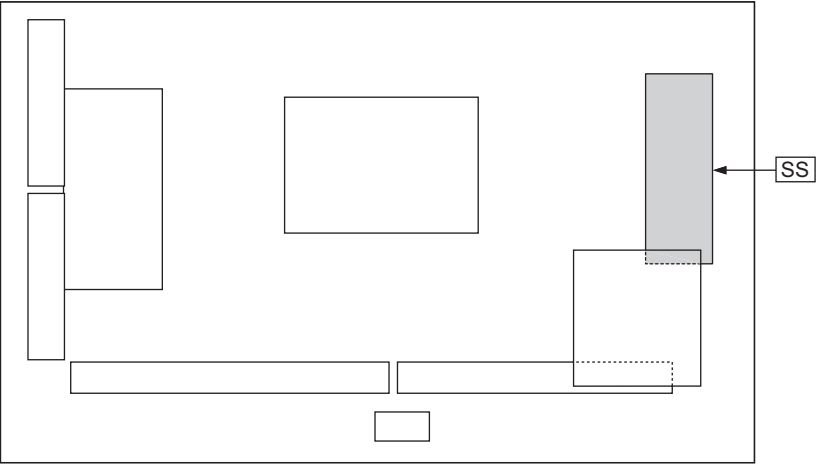
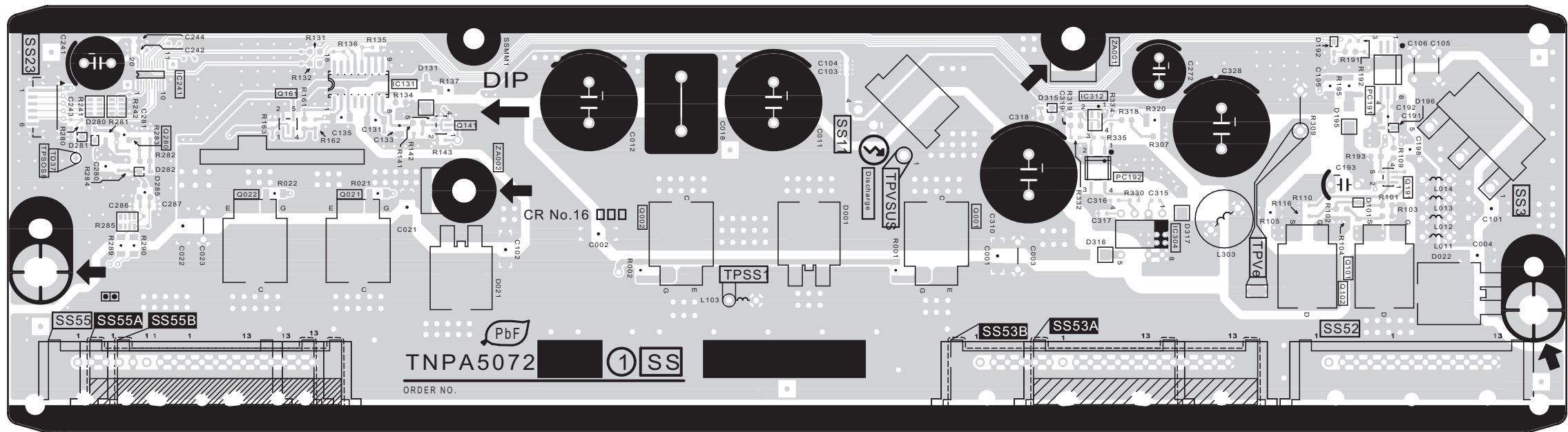


13.6. SS-Board



6  
5  
4  
3  
2  
1  
A B C D E F G H I

**SS-BOARD (COMPONENT SIDE)  
TXNSS1LMUM**

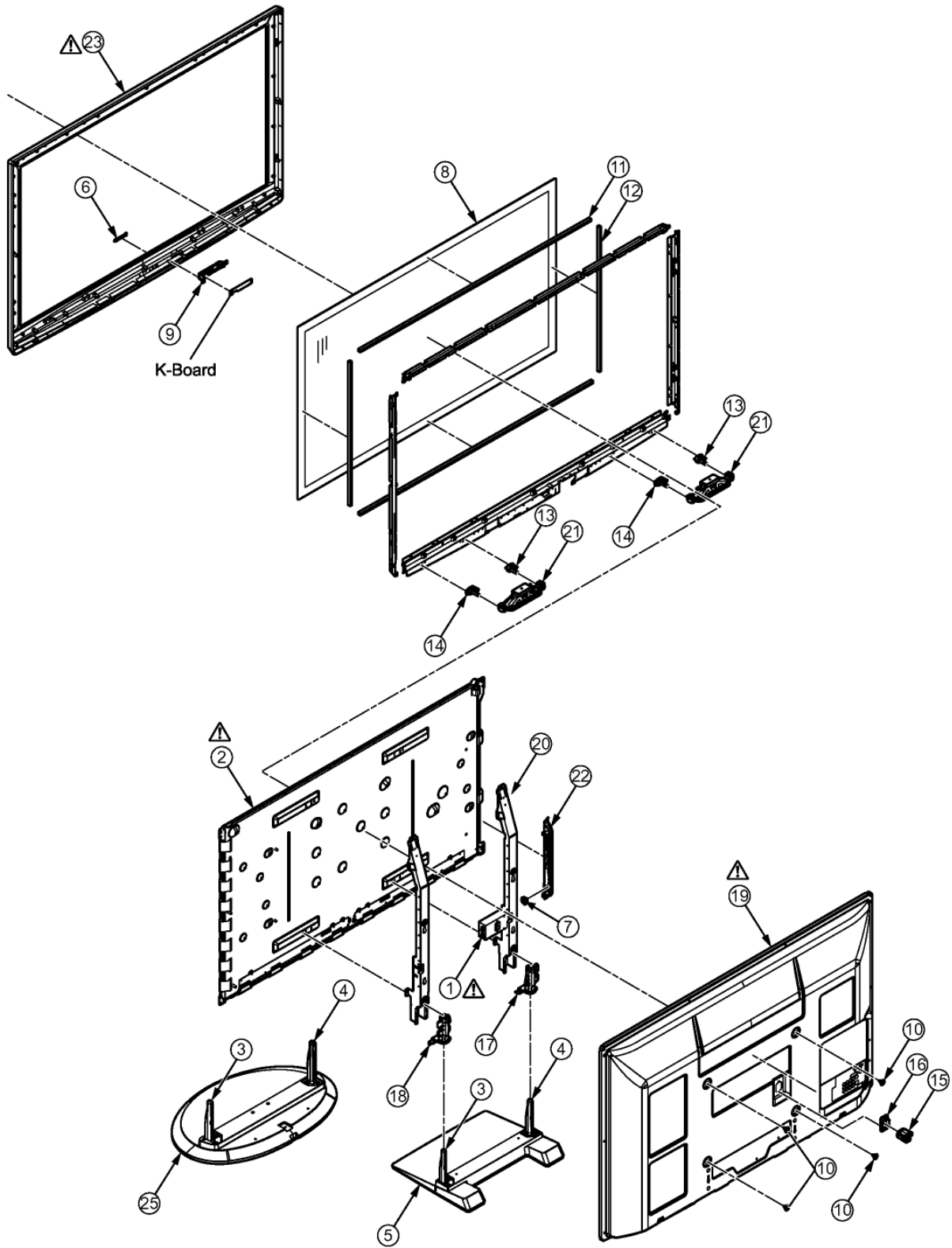




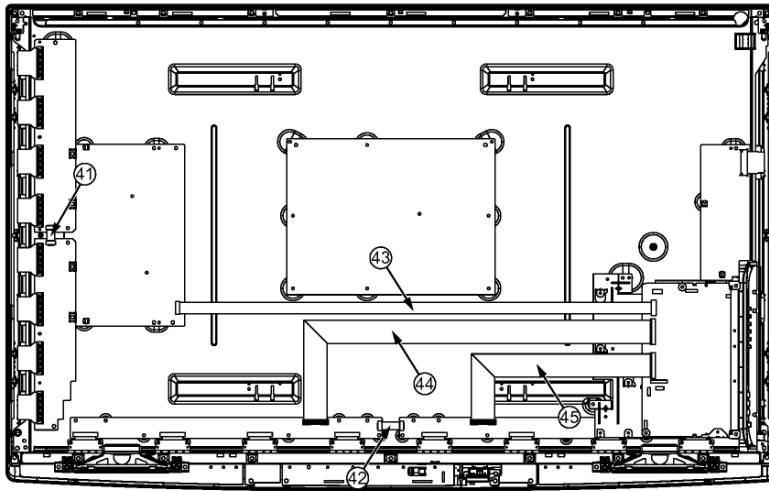
# 14 Exploded View and Replacement Parts List

## 14.1. Exploded View and Mechanical Replacement Parts List

### 14.1.1. Exploded View 1

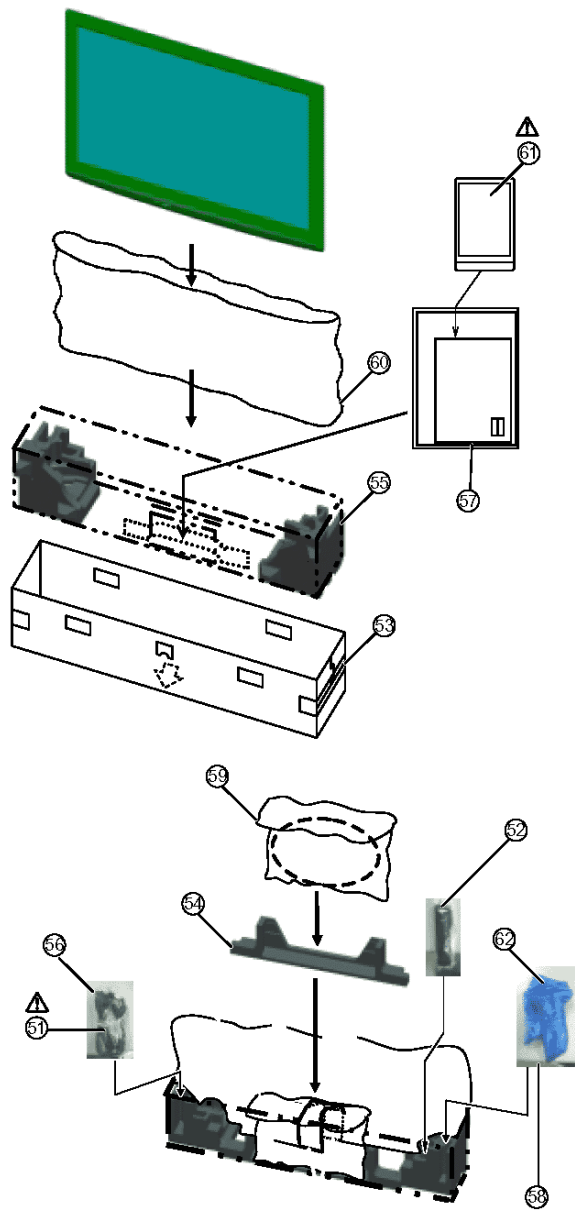


## 14.1.2. Exploded View 2

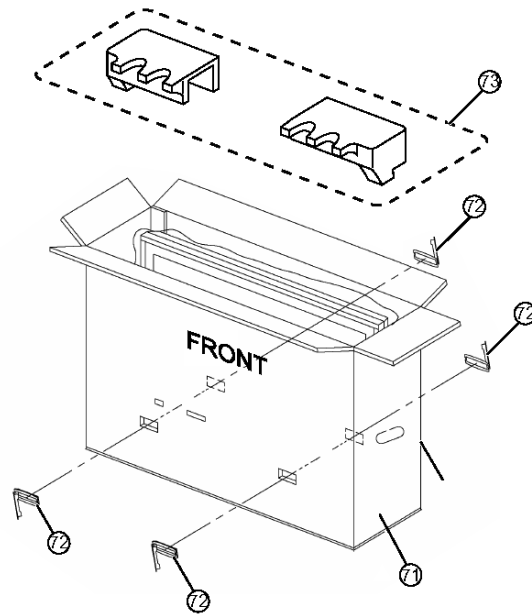




### 14.1.3. Packing 1














#### 14.1.4. Packing 2



### 14.1.5. Mechanical Replacement Parts List

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

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	1	K2AHYH000033	AC INLET WITH CABLE	1	PAVCSG
	51	K2CT3YY00021	AC CORD	1	PAVCSG K/M/V
	51	K2CT3YY00022	AC CORD	1	PAVCSG P
	2	MD50H13A2J	PLASMA DISPLAY PANEL	1	
	52	N2QAYB000370	REMOTE CONTROL	1	
	25	TBL3EX0010	PEDESTAL STAND	1	PAVCSG K/V
	3	TBLA3679	STAND POLE R	1	
	4	TBLA3680	STAND POLE L	1	
	5	TBLX0135	PEDESTAL STAND	1	PAVCSG M/P
	6	TBM4GA005	PANASONIC BADGE	1	PAVCSG
	7	TBX3EA00401	POWER BUTTON	1	
		THEJ0339	SCREW(BC-TUNER:1 SIDE_COVER:4)	5	
		THEL052Z	SCREW (BC TOP:4)	2	
		THEL080N	PF SCREW (5x30)	4	
		THTD020J	SCREW (A-PRINT:4)	4	
		THTF011N	SCREW	50	
	8	TKGA5632	FRONT GLASS	1	PAVCSG
	9	TKK3EC5006	LED PANEL	1	PAVCSG
	10	TKKL5493	M8 CAP	4	
	11	TMK3EG005	SPONGE (FRONT GLASS/UPPER/BOTTOM)	2	PAVCSG
	12	TMK3EG006	SPONGE (FRONT GLASS/LEFT/RIGHT)	2	PAVCSG
		TMM23417	CLAMPER	2	
		TMME292	CLAMPER	1	
		TMME331	CLAMPER	1	
		TMME332	CLAMPER (HANGER:4)	4	
		TMME332	CLAMPER (SS:1)	1	
		TMME332	CLAMPER	2	
	13	TMW3EX002	SP BRACKET L	2	
	14	TMW3EX003	SP BRACKET R	2	
	15	TMXX064	AC CORD CLAMPER A	1	
	16	TMXX065	AC CORD CLAMPER B	1	
	17	TMZX5176	STAND BRACKET-L	1	
	18	TMZX5177	STAND BRACKET-R	1	
	53	TPC3EA00402	CARTON BOX BOTTOM	1	PAVCSG
	71	TPC3EA01804	CARTON BOX TOP (WITH STAMP)	1	PAVCSG K
	71	TPC3EA01805	CARTON BOX TOP (WITH STAMP)	1	PAVCSG V
	71	TPC3EA02101	CARTON BOX TOP (WITH STAMP)	1	PAVCSG M
	71	TPC3EA02102	CARTON BOX TOP (WITH STAMP)	1	PAVCSG P
	72	TPD169487	JOINT	4	
	54	TPD3EA0008	PEDESTAL CUSHION	1	PAVCSG K/V
	54	TPD3EA0022	PEDESTAL CUSHION	1	PAVCSG M/P
	73	TPD3EA0026	TOP CUSHION	1	PAVCSG
	55	TPD3EA0027	BOTTOM CUSHION	1	PAVCSG

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	59	TPE3EB001	BAG (PEDESTAL STAND)	1	PAVCSG K/V
	56	TPE3EP002	BAG FOR AC CORD	1	PAVCSG
	57	TPE3EP003	ACCESSORIES BAG	1	PAVCSG
	58	TPEB340	BAG (STAND ACCESSORY)	1	
	59	TPEB424	BAG (PEDESTAL STAND)	1	PAVCSG M/P
	60	TPEH419	SET BAG	1	PAVCSG
	61	TQB3EC0013	INSTRUCTION BOOK (ENGLISH)	1	PAVCSG
	61	TQB3EC0014	INSTRUCTION BOOK (ARABIC)	1	PAVCSG M/P
	61	TQB3EC0017	INSTRUCTION BOOK (CHINESE)	1	PAVCSG K/V
	61	TQB3EC0017	INSTRUCTION BOOK (VIETNAMESE)	1	PAVCSG V
		TQZJ203	SCREW USE HANDBILL	1	
	41	TSXL519	CABLE (SU11-SD11)	1	
	42	TSXL927	CABLE (C10-C20)	1	
	43	TSXL970	CABLE (A21-SC20)	1	PAVCSG
	44	TSXL971	CABLE (C11-A33)	1	PAVCSG
	45	TSXL972	CABLE (C21-A34)	1	PAVCSG
	19	TTU3EA0067	REAR COVER	1	PAVCSG M
	19	TTU3EA0091	REAR COVER	1	PAVCSG P
	19	TTU3EA0093	REAR COVER	1	PAVCSG K
	19	TTU3EA0094	REAR COVER	1	PAVCSG V
	20	TUX0E154	50 HANGER METAL	2	PAVCSG
	21	TXFEA01LLUM	SPEAKER L/R ASSY	2	PAVCSG
	22	TXFKP01LLUM	SIDE TERMINAL COVER ASSY	1	PAVCSG
	23	TXFKY01LMUM	CABINET ASSY	1	PAVCSG
		TXJA11LHUM	SPEAKER LEAD (A11-SPR/SPL)	1	PAVCSG
		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	18	
		XYN4+E6FJ	SCREW (INLET:1)	1	
		XYN4+F10FJ	SCREW	6	
		XYN4+F10FJ	SCREW (SUSD:4)	4	
		XYN4+F10FJ	SCREW (HANGER METAL:4)	4	
		XYN4+F10FJ	SCREW (SP BRKT:4)	4	
		XYN4+F10FJ	SCREW (AL-GHT:4)	4	
		XYN5+F18FN	SCREW (STAND POLE)	4	
	62	XZB17X19C03	POLY BAG (STAND POLE)	1	
		XZB7.5X9D05	POLY BAG (SCREW)	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

#### 2. Capacitor

Example:

Example:

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

ECKF1H103ZF    C 0.01UF, Z, 50V  
   Type                    Allowance

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

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 [PAVCSG] in the Remarks column are supplied by AVC-CSPC.  
Parts mentioned [PAVCSG] are supplied by PAVCSG.

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
△	PCB	TZTNP01LMUM	CIRCUIT BOARD A	1	(RTL) PAVCSG K/M/V
△	PCB	TZTNP01LMUP	CIRCUIT BOARD A	1	(RTL) PAVCSG P
△	PCB	N0AE5JK00002	CIRCUIT BOARD P	1	PAVCSG
△	PCB	TXNC11LMUM	CIRCUIT BOARD C1	1	(RTL) PAVCSG
△	PCB	TXNC21LMUM	CIRCUIT BOARD C2	1	(RTL) PAVCSG
△	PCB	TXNSC1LMUM	CIRCUIT BOARD SC	1	(RTL) PAVCSG
△	PCB	TXNSD1LMUM	CIRCUIT BOARD SD	1	PAVCSG
△	PCB	TXNSS1LMUM	CIRCUIT BOARD SS	1	(RTL) PAVCSG
△	PCB	TXNSU1LMUM	CIRCUIT BOARD SU	1	PAVCSG
△	PCB	TXN/K1LLUM	CIRCUIT BOARD K	1	(RTL) PAVCSG
	A1	K1KY08AA0719	8P CONNECTOR	1	
	A6	K1KY11AA0719	11P CONNECTOR	1	
	A7	K1KY14AA0719	14P CONNECTOR	1	PAVCSG
	A11	K1KA04AA0190	4P CONNECTOR	1	
	A17	K1KA20AA0009	20P CONNECTOR	1	
	A18	K1KA11A00178	11P CONNECTOR	1	
	A19	K1KA04AA0104	4P CONNECTOR	1	
	A21	K1MY30BA0345	30P CONNECTOR	1	PAVCSG
	A33	K1MY40BA0345	40P CONNECTOR	1	PAVCSG
	A34	K1MY55BA0345	55P CONNECTOR	1	
	C10	K1MN20BA0231	20P CONNECTOR	1	
	C11	K1MY40BA0345	40P CONNECTOR	1	PAVCSG
	C20	K1MY20BA0345	20P CONNECTOR	1	
	C21	K1MY55BA0345	55P CONNECTOR	1	
	C23	K1KY06AA0719	6P CONNECTOR	1	
	C25	K1KA04BA0107	4P CONNECTOR	1	
	C2100	F1J1E105A231	C 1 UF 25V	1	
	C2103	F1J1A106A087	C 0.010UF, K, 10V	1	
	C2107	F1G1A105A047	C 1UF, K, 10V	1	
	C2108	F1G1A105A047	C 1UF, K, 10V	1	
	C2109	ECJ1VB0J105K	C 1UF, K, 6.3V	1	
	C2111	F1G1C103A116	C 0.010UF, K, 16V	1	
	C2115	F1G1H561A730	C 56UF, 50V	1	
	C2116	F1G1H561A730	C 56UF, 50V	1	
	C2166	F1G1E473A091	C 4200UF, Z, 25V	1	PAVCSG
	C2167	F1G1E473A091	C 4200UF, Z, 25V	1	PAVCSG
	C2173	F1J1A106A087	C 0.010UF, K, 10V	1	
	C2174	F1J1A106A087	C 0.010UF, K, 10V	1	
	C2175	F1J1A106A087	C 0.010UF, K, 10V	1	
	C2176	F1J1A106A087	C 0.010UF, K, 10V	1	
	C2197	F1G1C103A116	C 0.010UF, K, 16V	1	
	C2198	F1J1E105A231	C 1 UF 25V	1	
	C2199	F1J1E105A231	C 1 UF 25V	1	
	C2200	F1G1A105A047	C 1UF, K, 10V	1	
	C2201	F1G1A105A047	C 1UF, K, 10V	1	
	C2202	F1G1A105A047	C 1UF, K, 10V	1	
	C2203	F1J1A106A087	C 0.010UF, K, 10V	1	
	C2204	F1J1E105A231	C 1 UF 25V	1	
	C2205	F1J1A106A087	C 0.010UF, K, 10V	1	
	C2206	F1H0J475A041	C 4.7UF, K, 16V	1	
	C2207	F1H1A225A051	C 22UF, 50V	1	
	C2208	F1H1A225A051	C 22UF, 50V	1	
	C2209	F1H1A225A051	C 22UF, 50V	1	
	C2210	F1H1A225A051	C 22UF, 50V	1	
	C2211	F1H1A225A051	C 22UF, 50V	1	
	C2212	F1H1A225A051	C 22UF, 50V	1	
	C2213	F1J1E105A231	C 1 UF 25V	1	
	C2214	F1J1E105A231	C 1 UF 25V	1	
	C2217	F1H0J475A041	C 4.7UF, K, 16V	1	
	C2220	F1G1C104A116	C 0.10UF, K, 16V	1	
	C2221	F1G1C104A116	C 0.10UF, K, 16V	1	
	C2222	F1J1A106A087	C 0.010UF, K, 10V	1	
	C2223	F1G1E472A123	C 4200UF, Z, 25V	1	
	C2224	F1G1E472A123	C 4200UF, Z, 25V	1	
	C2225	F1G1A473A053	C 0.47UF, 10V	1	
	C2226	F1G1A473A053	C 0.47UF, 10V	1	
	C2227	F1J1A106A087	C 0.010UF, K, 10V	1	
	C2230	F1G1C104A116	C 0.10UF, K, 16V	1	
	C2232	F1H1E104A129	C 0.1UF, 25V	1	
	C2234	F1H1E104A129	C 0.1UF, 25V	1	
	C2237	F1J1E105A231	C 1 UF 25V	1	
	C2238	F1J1E105A231	C 1 UF 25V	1	
	C2240	F1H1E333A129	C 0.033UF, 25V	1	
	C2241	F1H1E333A129	C 0.033UF, 25V	1	
	C2242	F1H1E333A129	C 0.033UF, 25V	1	
	C2243	F1H1E333A129	C 0.033UF, 25V	1	
	C2244	F1J1H474A757	C 0.47UF, 50V	1	
	C2245	F1J1H474A757	C 0.47UF, 50V	1	
	C2246	F1J1H104A835	C 0.10UF, 50V	1	
	C2247	F1J1H104A835	C 0.10UF, 50V	1	
	C2248	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2249	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2250	F1J1H104A835	C 0.10UF, 50V	1	
	C2251	F1J1H104A835	C 0.10UF, 50V	1	
	C2252	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2253	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2254	F1H1E104A129	C 0.1UF, 25V	1	
	C2255	F1H1E104A129	C 0.1UF, 25V	1	
	C2256	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2257	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2258	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2259	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2260	F1G1H102A730	C 1000UF, 50V	1	
	C2261	F1G1H102A730	C 1000UF, 50V	1	
	C2262	F1G1H102A730	C 1000UF, 50V	1	
	C2263	F1G1H102A730	C 1000UF, 50V	1	
	C2264	F1H1E104A129	C 0.1UF, 25V	1	
	C2265	EEEFGE471P	E 470UF, 25V	1	
	C2266	F1K1E106A136	C 10UF, Z, 25V	1	
	C2267	F1H1H103A970	C 0.001UF, K, 50V	1	
	C2268	F2G1C470A022	E 47UF, 16V	1	
	C2269	F1J1A475A087	C 4.7UF, K, 10V	1	
	C2271	F1H1C105A145	C 0.01UF, K, 16V	1	
	C2272	F1G1C103A116	C 0.010UF, K, 16V	1	
	C2273	F1J1A106A087	C 0.010UF, K, 10V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C2274	FIJ1A106A087	C 0.010UF, K, 10V	1	
	C2275	FIJ1E105A231	C 1 UF 25V	1	
	C2277	FIH1C105A145	C 0.01UF, K, 16V	1	
	C2279	FIG1C104A116	C 0.10UF, K, 16V	1	
	C2281	FIK1E106A136	C 10UF, Z, 25V	1	
	C2282	FIJ1A106A087	C 0.010UF, K, 10V	1	
	C2285	FIJ1A106A087	C 0.010UF, K, 10V	1	
	C2294	EEHBOJ221UP	C 220PF, J, 6.3V	1	
	C2295	EEHBOJ221UP	C 220PF, J, 6.3V	1	
	C2296	FIH1A225A051	C 22UF, 50V	1	
	C2297	FIH1A225A051	C 22UF, 50V	1	
	C2298	FIG1A105A047	C 1UF, K, 10V	1	
	C2299	EEHBC101P	C 100PF, J, 16V	1	
	C2300	EEHBC101P	C 100PF, J, 16V	1	
	C2301	FIG1C104A116	C 0.10UF, K, 16V	1	
	C2302	F2G1A220A019	E 22UF, 10V	1	PAVCSG
	C2303	FIG1C104A116	C 0.10UF, K, 16V	1	
	C2304	FIJ1A106A087	C 0.010UF, K, 10V	1	
	C2305	FIJ1E105A231	C 1 UF 25V	1	
	C2306	FIH1C105A145	C 0.01UF, K, 16V	1	
	C2307	FIJ1E105A231	C 1 UF 25V	1	
	C2308	FIG1H220A731	C 22UF, 50V	1	
	C2309	FIG1C104A116	C 0.10UF, K, 16V	1	
	C2310	FIG1C104A116	C 0.10UF, K, 16V	1	
	C2311	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C2312	FIG1H561A730	C 56UF, 50V	1	
	C2313	FIG1H561A730	C 56UF, 50V	1	
	C2314	FIG1H561A730	C 56UF, 50V	1	
	C2315	FIG1H561A730	C 56UF, 50V	1	
	C2316	FIG1H561A730	C 56UF, 50V	1	
	C2317	FIG1H561A730	C 56UF, 50V	1	
	C2318	FIG1H102A730	C 1000UF, 50V	1	
	C2319	FIG1H102A730	C 1000UF, 50V	1	
	C2510	FIH1H103A970	C 0.001UF, K, 50V	1	
	C2511	FIJ1A106A087	C 0.010UF, K, 10V	1	
	C2515	FIH1H103A970	C 0.001UF, K, 50V	1	
	C2521	FIH1C104A143	C 0.1UF, K, 16V	1	
	C3752	FIJ1H102A836	C 1000PF, 50V	1	
	C3754	FIG1E103A123	C 0.010UF, K, 25V	1	
	C4539	FIG1A105A047	C 1UF, K, 10V	1	
	C4540	FIG1A105A047	C 1UF, K, 10V	1	
	C4541	FIG1A105A047	C 1UF, K, 10V	1	
	C4546	FIG1A105A047	C 1UF, K, 10V	1	
	C4548	FIG1A105A047	C 1UF, K, 10V	1	
	C4704	EEHBC101P	C 100PF, J, 16V	1	
	C4705	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4706	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C4707	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C4718	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4719	FIJ1A106A087	C 0.010UF, K, 10V	1	
	C4720	FIG1E103A123	C 0.010UF, K, 25V	1	
	C4727	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4728	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4729	FIG1H102A730	C 1000UF, 50V	1	
	C4730	FIG1H102A730	C 1000UF, 50V	1	
	C4731	FIG1A105A047	C 1UF, K, 10V	1	
	C4732	FIG1H102A730	C 1000UF, 50V	1	
	C4733	FIG1H102A730	C 1000UF, 50V	1	
	C4734	FIG1H102A730	C 1000UF, 50V	1	
	C4735	FIG1H102A730	C 1000UF, 50V	1	
	C4740	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4741	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4744	FIG1H102A730	C 1000UF, 50V	1	
	C4745	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4746	FIG1H102A730	C 1000UF, 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C4747	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4748	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4749	FIG1H102A730	C 1000UF, 50V	1	
	C4750	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4751	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4752	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4753	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4754	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4758	FIG1H102A730	C 1000UF, 50V	1	
	C4759	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4760	FIG1H102A730	C 1000UF, 50V	1	
	C4761	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4762	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4763	FIG1H102A730	C 1000UF, 50V	1	
	C4764	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4765	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4766	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4767	FIG1H102A730	C 1000UF, 50V	1	
	C4768	FIG1H102A730	C 1000UF, 50V	1	
	C4769	FIG1H102A730	C 1000UF, 50V	1	
	C4770	FIG1H102A730	C 1000UF, 50V	1	
	C4771	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4772	FIG1C104A116	C 0.10UF, K, 16V	1	
	C4779	FIJ0J106A004	C 0.010UF, K, 16V	1	
	C5521	FIG1C104A116	C 0.10UF, K, 16V	1	
	C5522	FIG1C104A116	C 0.10UF, K, 16V	1	
	C5611	FIG1H102A730	C 1000UF, 50V	1	
	C5613	FIG1H102A730	C 1000UF, 50V	1	
	C5689	FIK0J226A008	C 22UF, K, 6.3V	1	
	C5690	FIK0J226A008	C 22UF, K, 6.3V	1	
	C5692	FIK1E106A136	C 10UF, Z, 25V	1	
	C5694	FIH1E104A129	C 0.1UF, 25V	1	
	C5695	FIG1C153A116	C 0.015UF, K, 16V	1	
	C5696	FIG1E103A123	C 0.010UF, K, 25V	1	
	C5698	FIK0J226A008	C 22UF, K, 6.3V	1	
	C5700	FIH0J475A041	C 4.7UF, K, 16V	1	
	C5701	FIH0J475A041	C 4.7UF, K, 16V	1	
	C5702	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C5703	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C5704	FIK1E106A136	C 10UF, Z, 25V	1	
	C5705	FIK1E106A136	C 10UF, Z, 25V	1	
	C5706	FIG1E103A123	C 0.010UF, K, 25V	1	
	C5707	FIG1C104A116	C 0.10UF, K, 16V	1	
	C5708	FIK0J226A008	C 22UF, K, 6.3V	1	
	C5709	FIK0J226A008	C 22UF, K, 6.3V	1	
	C5711	FIK1E106A136	C 10UF, Z, 25V	1	
	C5713	FIH1E104A129	C 0.1UF, 25V	1	
	C5714	FIH1A334A084	C 0.33UF, K, 50V	1	
	C5715	FIG1E822A123	C 8200UF, Z, 25V	1	
	C5717	FIK0J226A008	C 22UF, K, 6.3V	1	
	C5719	FIK0J226A008	C 22UF, K, 6.3V	1	
	C5720	FIK0J226A008	C 22UF, K, 6.3V	1	
	C5722	FIK1E106A136	C 10UF, Z, 25V	1	
	C5724	FIH1E104A129	C 0.1UF, 25V	1	
	C5725	FIH1A334A084	C 0.33UF, K, 50V	1	
	C5726	FIG1C153A116	C 0.015UF, K, 16V	1	
	C5728	FIK0J226A008	C 22UF, K, 6.3V	1	
	C5730	FIK1E106A136	C 10UF, Z, 25V	1	
	C5731	FIK1E106A136	C 10UF, Z, 25V	1	
	C5733	F2H1E470A007	E 47UF, 25V	1	
	C5734	FIJ1E105A231	C 1 UF 25V	1	
	C5736	FIG1A105A047	C 1UF, K, 10V	1	
	C5737	FIG1A105A047	C 1UF, K, 10V	1	
	C5738	FIG1A105A047	C 1UF, K, 10V	1	
	C5739	FIG1A105A047	C 1UF, K, 10V	1	
	C5764	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C5765	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C5771	FIH1E473A129	C 0.047UF, 25V	1	
	C5776	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	



Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C5777	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C8001	ECJ1VB0J105K	C 1UF, K, 6.3V	1	
	C8002	ECJ1VB0J105K	C 1UF, K, 6.3V	1	
	C8003	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8004	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8005	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8006	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8007	F1G1H4R0A732	C 4.0PF, K, 50V	1	PAVCSG
	C8008	F1G1H5R0A732	C 5.0PF, K, 50V	1	
	C8009	F1J1A475A087	C 4.7UF, K, 10V	1	
	C8011	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8012	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8013	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8014	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8015	F1G1C151A117	C 150UF, K, 16V	1	PAVCSG
	C8016	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8017	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8018	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8019	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8020	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8021	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8022	F1G1C103A116	C 0.010UF, K, 16V	1	
	C8023	F1G1H5R0A732	C 5.0PF, K, 50V	1	
	C8024	F1G1C103A116	C 0.010UF, K, 16V	1	
	C8025	F1G1C5R0A118	C 5.0UF, K, 16V	1	PAVCSG
	C8026	F1G1C103A116	C 0.010UF, K, 16V	1	
	C8027	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8028	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8029	F1G1C153A116	C 0.015UF, K, 16V	1	
	C8030	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8033	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8034	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8035	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8036	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8037	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8038	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8039	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8040	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8041	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8042	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8043	F1G1A105A047	C 1UF, K, 10V	1	
	C8044	F1G1A105A047	C 1UF, K, 10V	1	
	C8045	F1G1A105A047	C 1UF, K, 10V	1	
	C8046	F1J0G226001	C 0.001UF, 6.3V	1	
	C8047	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8048	F1G1H102A730	C 1000UF, 50V	1	
	C8049	F1G1A105A047	C 1UF, K, 10V	1	
	C8050	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8051	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8053	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8054	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8056	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8058	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8059	F1G1A105A047	C 1UF, K, 10V	1	
	C8060	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8061	F1G1H102A730	C 1000UF, 50V	1	
	C8062	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8063	F1G1H102A730	C 1000UF, 50V	1	
	C8064	F1G1A105A047	C 1UF, K, 10V	1	
	C8065	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8067	F1G1A105A047	C 1UF, K, 10V	1	
	C8068	F1G1A105A047	C 1UF, K, 10V	1	
	C8069	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8070	F1G1H102A730	C 1000UF, 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C8071	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8073	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8074	F1G1H102A730	C 1000UF, 50V	1	
	C8075	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8078	F1G1A105A047	C 1UF, K, 10V	1	
	C8079	F1G1A105A047	C 1UF, K, 10V	1	
	C8080	F1G1A105A047	C 1UF, K, 10V	1	
	C8081	F1G1A105A047	C 1UF, K, 10V	1	
	C8082	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8097	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8101	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8102	F1G1H5R0A732	C 5.0PF, K, 50V	1	
	C8104	F1G1H102A730	C 1000UF, 50V	1	
	C8105	F1G1H102A730	C 1000UF, 50V	1	
	C8110	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8111	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8112	F1G1H102A730	C 1000UF, 50V	1	
	C8113	F1G1A105A047	C 1UF, K, 10V	1	
	C8116	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8120	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8121	F1G1H102A730	C 1000UF, 50V	1	
	C8127	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8130	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8131	F1G1H102A730	C 1000UF, 50V	1	
	C8132	F1G1A105A047	C 1UF, K, 10V	1	
	C8133	F1G1H102A730	C 1000UF, 50V	1	
	C8136	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8139	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8140	F1G1H102A730	C 1000UF, 50V	1	
	C8141	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8143	F1G1A105A047	C 1UF, K, 10V	1	
	C8144	F1G1A105A047	C 1UF, K, 10V	1	
	C8145	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8146	F1G1H102A730	C 1000UF, 50V	1	
	C8147	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8148	F1G1H102A730	C 1000UF, 50V	1	
	C8302	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8303	F1G1H102A730	C 1000UF, 50V	1	
	C8304	F1G1A105A047	C 1UF, K, 10V	1	
	C8305	F1G1H221A731	C 220UF, 50V	1	
	C8306	F1G1H152A730	C 1500UF, 50V	1	
	C8307	F1G1H222A730	C 2200UF, 50V	1	
	C8308	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8312	F1G1H181A731	C 180UF, 50V	1	
	C8313	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8315	F1G1H102A730	C 1000UF, 50V	1	
	C8324	EEHBOJ221UP	C 220PF, J, 6.3V	1	
	C8328	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8349	F1G1H102A730	C 1000UF, 50V	1	
	C8350	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8351	F1G1H102A730	C 1000UF, 50V	1	
	C8352	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8353	F1G1A105A047	C 1UF, K, 10V	1	
	C8354	F1G1A105A047	C 1UF, K, 10V	1	
	C8355	F1G1A105A047	C 1UF, K, 10V	1	
	C8364	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8365	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8366	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8367	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8368	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8370	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8501	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8503	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8504	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8505	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8506	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8512	F2G1C470A022	E 47UF, 16V	1	
	C8513	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8514	F1G1C103A116	C 0.010UF, K, 16V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C8515	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C8517	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C8519	FIG1A105A047	C 1UF, K, 10V	1	
	C8520	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9033	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9034	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9035	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9036	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9037	FIG1E103A123	C 0.010UF, K, 25V	1	
	C9040	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9044	FLJ1A475A087	C 4.7UF, K, 10V	1	
	C9045	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9046	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9047	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9048	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9052	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9053	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9055	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9057	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9061	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9062	FLJ1A475A087	C 4.7UF, K, 10V	1	
	C9063	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9065	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9100	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9101	FIG1E103A123	C 0.010UF, K, 25V	1	
	C9102	FK1E106A136	C 10UF, Z, 25V	1	
	C9103	FIG1E103A123	C 0.010UF, K, 25V	1	
	C9105	FIG1H101A731	C 100PF, K, 50V	1	
	C9106	FK1E106A136	C 10UF, Z, 25V	1	
	C9108	FIG1E103A123	C 0.010UF, K, 25V	1	
	C9300	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9301	FIG1H150A731	C 15UF, 50V	1	
	C9302	FIG1H150A731	C 15UF, 50V	1	
	C9307	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9308	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9311	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9312	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9313	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9314	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9315	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9316	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9319	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9322	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9323	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9325	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9327	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9335	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9336	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9337	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9339	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9340	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9342	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9344	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9347	ECJ1VB0J105K	C 1UF, K, 6.3V	1	
	C9349	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9350	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9351	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9352	ECJ1VB0J105K	C 1UF, K, 6.3V	1	
	C9356	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9361	FIG1C104A116	C 0.10UF, K, 16V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C9363	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9371	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9372	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9373	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9374	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9375	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9380	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9383	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9391	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9392	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9400	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9401	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9800	FIG1H104A129	C 0.1UF, 25V	1	
	C9801	FIG1E682A123	C 6800UF, Z, 25V	1	
	C9803	FIG1E472A123	C 4200UF, Z, 25V	1	
	C9804	FK1E106A136	C 10UF, Z, 25V	1	
	C9805	FK1E106A136	C 10UF, Z, 25V	1	
	C9806	FIG1H101A731	C 100PF, K, 50V	1	
	C9807	FIG1H201A731	C 200 UF, K, 50V	1	
	C9809	FIG1H102A730	C 1000UF, 50V	1	
	C9811	FIG1C104A116	C 0.10UF, K, 16V	1	
	C9812	FK1E106A136	C 10UF, Z, 25V	1	
	C9813	FK1E106A136	C 10UF, Z, 25V	1	
	C9814	FK0J226A008	C 22UF, K,6.3V	1	
	C9815	FK0J226A008	C 22UF, K,6.3V	1	
	C9816	FIG1E103A123	C 0.010UF, K, 25V	1	
	C9817	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9819	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C9825	FK0J226A008	C 22UF, K,6.3V	1	
	C9843	FK0J226A008	C 22UF, K,6.3V	1	
	C9844	FIG1H102A730	C 1000UF, 50V	1	
	C9900	FIG1E103A123	C 0.010UF, K, 25V	1	
	C16001	FIL2J1020001	C 1000UF, K,6.3V	1	
	C16002	FIL2J562A022	C 5600UF, K,6.3V	1	
	C16004	FIL2J222A022	C 2200UF, K,6.3V	1	
	C16011	F2A2T251A004	E 250UF, 220V	1	
	C16012	F2A2T251A004	E 250UF, 220V	1	
	C16018	FOC2E155A252	E 0.015UF, 250V	1	
	C16022	FIL2J1020001	C 1000UF, K,6.3V	1	
	C16101	FIL2J1020001	C 1000UF, K,6.3V	1	
	C16102	FIL2J562A022	C 5600UF, K,6.3V	1	
	C16103	FIG1H1E470A130	C 47UF, K, 25V	1	
	C16104	FIG1H1E470A130	C 47UF, K, 25V	1	
	C16105	FIG1E2J221A002	C 22PF, 600V	1	PAVCSG
	C16106	FIG1E2J221A002	C 22PF, 600V	1	PAVCSG
	C16131	FK1E475A134	C 4.7UF, Z, 25V	1	
	C16133	FK1E475A134	C 4.7UF, Z, 25V	1	
	C16135	FK1E105A029	C 1UF, Z, 25V	1	
	C16191	FK1E475A134	C 4.7UF, Z, 25V	1	
	C16192	FIG1H1E104A129	C 0.1UF, 25V	1	
	C16193	EEUFC1E470	E 47UF, 25V	1	
	C16195	FK1E105A029	C 1UF, Z, 25V	1	
	C16242	FIG1H1C105A145	C 0.01UF, K, 16V	1	
	C16243	FIG1H1H103A970	C 0.001UF, K, 50V	1	
	C16244	FLJ1A106A087	C 0.010UF, K, 10V	1	
	C16272	F2A1E471A102	E 470UF, 25V	1	
	C16286	FIG1H1H104A970	C 0.1UF, K, 50V	1	
	C16287	FIG1H1H104A970	C 0.1UF, K, 50V	1	
	C16310	F2A2T251A004	E 250UF, 220V	1	
	C16315	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C16316	FIG1H1C104A143	C 0.1UF, K, 16V	1	
	C16317	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C16318	FIG1H1H104A835	C 0.10UF, 50V	1	
	C16319	FIG1H1H104A835	C 0.10UF, 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C16328	F2A2D201A226	E 220UF, 200V	1	
	C16401	F1L2J562A022	C 5600UF, K, 6.3V	1	
	C16411	F2A2T251A004	E 250UF, 220V	1	
	C16412	F0C2E155A252	E 0.015UF, 250V	1	
	C16413	F2A2T251A004	E 250UF, 220V	1	
	C16414	F2A2T251A004	E 250UF, 220V	1	
	C16421	F1L2J562A022	C 5600UF, K, 6.3V	1	
	C16460	F1E2J222A002	C 2200PF, 600V	1	
	C16461	F1E2J331A002	C 33PF, 600V	1	PAVCSG
	C16463	F1E2J472A001	C 4700PF, 600V	1	
	C16471	F1L2J1020001	C 1000UF, K, 6.3V	1	
	C16472	F1K1E105A029	C 1UF, Z, 25V	1	
	C16490	F1H1C105A145	C 0.01UF, K, 16V	1	
	C16491	F1L2J1020001	C 1000UF, K, 6.3V	1	
	C16501	F1K1E105A029	C 1UF, Z, 25V	1	
	C16502	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16503	F2A1E471A102	E 470UF, 25V	1	
	C16504	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16505	F1K1E105A029	C 1UF, Z, 25V	1	
	C16521	F1K1E105A029	C 1UF, Z, 25V	1	
	C16522	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16523	F2A1E471A102	E 470UF, 25V	1	
	C16524	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16525	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16527	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16533	F1K1E105A029	C 1UF, Z, 25V	1	
	C16561	F1J1A106A087	C 0.010UF, K, 10V	1	
	C16562	F1H1C105A145	C 0.01UF, K, 16V	1	
	C16564	F1H1C105A145	C 0.01UF, K, 16V	1	
	C16565	F1H1H103A970	C 0.001UF, K, 50V	1	
	C16566	F1H1H103A970	C 0.001UF, K, 50V	1	
	C16581	F1K1E105A029	C 1UF, Z, 25V	1	
	C16582	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16593	F1H1H102A971	C 1000PF, K, 50V	1	
	C16602	F1H1H220A971	C 22PF, K, 50V	1	
	C16603	F1K2J102A014	C 1000UF, K, 6.3V	1	
	C16604	F1K2J102A014	C 1000UF, K, 6.3V	1	
	C16608	F1H1H221A971	C 220UF, K, 50V	1	
	C16641	F1E2J332A002	C 3300PF, 600V	1	
	C16642	F1E2J332A002	C 3300PF, 600V	1	
	C16661	F1K2J102A038	C 1000UF, K, 6.3V	1	
	C16662	F1K2J102A038	C 1000UF, K, 6.3V	1	
	C16664	F1H1H680A971	C 68PF, K, 50V	1	
	C16665	F1H1H680A971	C 68PF, K, 50V	1	
	C16666	F1H1H680A971	C 68PF, K, 50V	1	
	C16675	F1H1H391A971	C 391UF, 50V	1	
	C16684	F1H1H104A970	C 0.1UF, K, 50V	1	
	C16685	F1H1H104A970	C 0.1UF, K, 50V	1	
	C16691	F2A2C101A097	E 1000UF, 160V	1	
	C16707	F1H1H220A971	C 22PF, K, 50V	1	
	C16708	F1H1H104A970	C 0.1UF, K, 50V	1	
	C16712	F1G1H201A731	C 200 UF, K, 50V	1	
	C16721	F2A1H101A128	E 100UF, 50V	1	
	C16723	F1K1E105A029	C 1UF, Z, 25V	1	
	C16724	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16727	F1L2J1520001	C 1500UF, K, 6.3V	1	
	C16753	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16755	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16756	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16771	F1H1C105A145	C 0.01UF, K, 16V	1	
	C16773	F1K1E105A029	C 1UF, Z, 25V	1	
	C16791	EEUFC1E221	E 220UF, 25V	1	
	C16793	EEUFC1E221	E 220UF, 25V	1	
	C16794	F1J1A106A087	C 0.010UF, K, 10V	1	
	C16795	F2A1E471A102	E 470UF, 25V	1	
	C16796	F2A1E471A102	E 470UF, 25V	1	
	C16813	F2A2T221A015	E 220UF, 220V	1	PAVCSG
	C16842	F2A2C101A097	E 1000UF, 160V	1	
	C16843	F1J1H104A835	C 0.10UF, 50V	1	
	C16844	F1J1H104A835	C 0.10UF, 50V	1	

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	C16854	F1J1H104A835	C 0.10UF, 50V	1	
	C16856	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C16857	F1H1C104A143	C 0.1UF, K, 16V	1	
	C16858	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C16859	F1J1H104A835	C 0.10UF, 50V	1	
	C16860	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C16861	F1H1C104A143	C 0.1UF, K, 16V	1	
	C16862	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C16863	F1J1H104A835	C 0.10UF, 50V	1	
	C16864	F1J1H104A835	C 0.10UF, 50V	1	
	C16891	F1K1E105A029	C 1UF, Z, 25V	1	
	C16892	F1L2J1020001	C 1000UF, K, 6.3V	1	
	C17104	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17105	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17107	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17108	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17109	F1L2A334A031	E 3300UF, 100V	1	
	C17110	F1L2A334A031	E 3300UF, 100V	1	
	C17111	F1L2A334A031	E 3300UF, 100V	1	
	C17112	F1L2A334A031	E 3300UF, 100V	1	
	C17113	F1H1C104A143	C 0.1UF, K, 16V	1	
	C17208	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17209	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17210	F1H1C104A143	C 0.1UF, K, 16V	1	
	C17211	F1L2A334A031	E 3300UF, 100V	1	
	C17212	F1L2A334A031	E 3300UF, 100V	1	
	C17214	F1H1C104A143	C 0.1UF, K, 16V	1	
	C17215	F1L2A334A031	E 3300UF, 100V	1	
	C17216	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17217	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17218	F1L2A334A031	E 3300UF, 100V	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	
	D2102	EZJP0V080GA	VARISTOR	1	
	D2129	EZJP0V080GA	VARISTOR	1	
	D2130	EZJP0V080GA	VARISTOR	1	
	D2144	B0JCME000076	DIODE	1	
	D2145	B0ACCJ000048	DIODE	1	
	D2300	B0BC01100001	ZENER DIODE	1	
	D2520	B3AGB0000060	LED	1	PAVCSG
	D4503	EZAEG2A50AX	ESD SUPPRESSOR	1	
	D4504	DZ2J056M0L	ZENER DIODE	1	
	D4505	DZ2J056M0L	ZENER DIODE	1	
	D4506	EZAEG2A50AX	ESD SUPPRESSOR	1	
	D4507	EZAEG2A50AX	ESD SUPPRESSOR	1	
	D4508	EZAEG2A50AX	ESD SUPPRESSOR	1	
	D4509	DZ2J056M0L	ZENER DIODE	1	
	D4510	EZAEG2A50AX	ESD SUPPRESSOR	1	
	D4511	EZAEG2A50AX	ESD SUPPRESSOR	1	
	D4703	B0JCME000076	DIODE	1	
	D4704	B0ACCJ000048	DIODE	1	
	D4705	B0ACCJ000048	DIODE	1	
	D4706	B0ADEJ000035	ZENER DIODE	1	
	D4707	B0JCME000076	DIODE	1	
	D5600	B0ADEJ000035	ZENER DIODE	1	
	D5606	B0JCPD000026	DIODE	1	
	D5608	B0JCPG000030	DIODE	1	
	D5610	B0JCPG000030	DIODE	1	
	D5629	DZ2J082M0L	ZENER DIODE	1	PAVCSG
	D5633	B0ACCJ000048	DIODE	1	
	D5670	B0JCCE000008	DIODE	1	
	D5671	B0JCCE000008	DIODE	1	
	D5765	B0HCMM000014	DIODE	1	
	D8004	B0ACCJ000048	DIODE	1	
	D8005	B0ACCJ000048	DIODE	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	D8006	B0ACCJ000048	DIODE	1	
	D8300	B0ACCJ000048	DIODE	1	
	D9000	B0JCCE000008	DIODE	1	
	D9110	B0JCGD000002	DIODE	1	
	D9804	B0JCPG000030	DIODE	1	
	D9808	B0ADCG000100	DIODE	1	
	D16001	B0FCCN000003	DIODE	1	PAVCSG
	D16021	B0FCCN000003	DIODE	1	PAVCSG
	D16022	B0FCCN000003	DIODE	1	PAVCSG
	D16101	B0JCMC000093	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	PAVCSG
	D16285	B0ADEJ000035	ZENER DIODE	1	
	D16315	DZ2J150M0L	ZENER DIODE	1	
	D16316	B0ECKP000055	DIODE	1	
	D16317	B0ECKP000055	DIODE	1	
	D16401	DA3DF50ACSLW	ZENER DIODE	1	
	D16407	B0JCMC000093	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	B0ADCG000100	DIODE	1	
	D16494	B0ADCG000100	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	B0ADCG000100	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	
	D16719	B0ECKP000055	DIODE	1	
	D16720	B0ECKP000055	DIODE	1	
	D16721	B0ECHR000001	DIODE	1	
	D16722	DA3DF30ACSRP	ZENER DIODE	1	PAVCSG
	D16724	DA3DF30ACSLW	ZENER DIODE	1	PAVCSG
	D16728	B0ECKP000055	DIODE	1	

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	D16765	B0ECKP000055	DIODE	1	
	D16790	B0JCMC000093	DIODE	1	
	D16820	B0ACCJ000048	DIODE	1	
	D16821	DZ2J330M0L	ZENER DIODE	1	
	D16822	B0ADCG000100	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	B0ADCG000100	DIODE	1	
	D16920	B0ADCG000100	DIODE	1	
	FL2100	J0HABB000003	LC FILTER	1	
	FL2101	J0HABB000003	LC FILTER	1	
	FL2102	J0HABB000004	LC FILTER	1	
	FL2103	J0HABB000004	LC FILTER	1	
	FL2104	J0HABB000004	LC FILTER	1	
	FL4701	J0HAAB000036	LC FILTER	1	
	FL4703	J0HAAB000036	LC FILTER	1	
	FL4704	J0HAAB000036	LC FILTER	1	
	FL4706	J0HAAB000036	LC FILTER	1	
	IC2106	C1AB00003069	IC	1	
	IC2108	C1AB00003240	IC	1	PAVCSG
	IC2109	C1AB00002428	IC	1	PAVCSG
	IC2110	C0JBAB000408	IC	1	
	IC2300	C0CBZZE00001	IC	1	
	IC4700	C1ZBZ0004161	IC	1	
	IC4701	C1ZBZ0003775	IC	1	
	IC4702	C0ABBB000230	IC	1	
	IC5605	C0DBAGF000030	IC	1	
	IC5606	C0DBAYY00755	IC	1	PAVCSG
	IC5607	C0DBGYY00887	IC	1	PAVCSG
	IC5608	C0DBAYY00755	IC	1	PAVCSG
	IC5609	C0DBGYY00887	IC	1	PAVCSG
	IC5610	C0DBAYY00755	IC	1	PAVCSG
	IC5613	C0DBGYY00893	IC	1	PAVCSG
	IC8001	C1AB00003250	IC	1	PAVCSG
	IC8002	C3ABS0000043	IC	1	
	IC8004	TVRR600	IC	1	PAVCSG
	IC8502	TVRR307	IC	1	PAVCSG
	IC8503	TVRR596	IC	1	PAVCSG K/M/V
	IC8503	TVRR598	IC	1	PAVCSG P
	IC9001	TVRR712	IC	1	PAVCSG
	IC9003	MNZSFH8KFS2	IC	1	PAVCSG
	IC9004	C1ZBZ0003983	IC	1	
	IC9300	C1AB00003259	IC	1	PAVCSG
	IC9304	TVRR809	IC	1	PAVCSG
	IC9400	C0JBAZ002692	IC	1	
	IC9401	C0JBAZ002692	IC	1	
	IC9800	C0DBAYY00605	IC	1	
	IC9801	C0DBAYY00462	IC	1	
	IC9802	C0DBEHG00006	IC	1	
	IC16131	COZBZ0001707	IC	1	
	IC16241	C0JBAU000043	IC	1	
	IC16304	MIP3900MSSCF	IC	1	
	IC16312	C0DBZMC00006	IC	1	
	IC16471	C0DBEYY00114	IC	1	
	IC16490	C0DBZMC00006	IC	1	
	IC16491	NJM2406F	LINEAR IC	1	
	IC16501	COZBZ0001708	IC	1	
	IC16521	COZBZ0001708	IC	1	
	IC16561	C0JBAU000043	IC	1	
	IC16562	C0JBAU000043	IC	1	
	IC16563	C0JBAB000916	IC	1	
	IC16581	C0BBBA000024	IC	1	
	IC16661	C0BBBA000024	IC	1	
	IC16692	C0DBZYY00352	IC	1	
	IC16724	C0CBADE00049	IC	1	

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	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	C0JBAU000043	IC	1	
	IC17202	C0JBAU000043	IC	1	
	IC17203	C0JBAZ002692	IC	1	
	JK2102	K4AK13B00006	TERMINAL BOARD	1	PAVCSG
	JK2108	K1FY315A0008	CONNECTOR	1	PAVCSG
	JK2111	K2HA917A0001	JACK	1	PAVCSG
	JK4500	K1FY119D0011	CONNECTOR	1	PAVCSG
	JK4501	K1FY119D0011	CONNECTOR	1	PAVCSG
	JK4502	K1FY119E0015	CONNECTOR	1	PAVCSG
	JK8502	K1NA12E00017	12P CONNECTOR	1	
	JS3700	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	JS3701	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	JS3702	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	K1	K1KA08B00270	8P CONNECTOR	1	
	L2110	J0JYC0000331	CHIP INDUCTOR	1	PAVCSG
	L2111	J0JYC0000331	CHIP INDUCTOR	1	PAVCSG
	L2120	J0JYC0000331	CHIP INDUCTOR	1	PAVCSG
	L2121	J0JYC0000331	CHIP INDUCTOR	1	PAVCSG
	L2122	J0JCC0000287	CHIP INDUCTOR	1	
	L2124	J0JCC0000287	CHIP INDUCTOR	1	
	L2125	J0JCC0000287	CHIP INDUCTOR	1	
	L2126	J0JYC0000068	CHIP INDUCTOR	1	
	L2127	J0JYC0000068	CHIP INDUCTOR	1	
	L2128	G1C220MA0416	INDUCTION COIL	1	
	L2129	G1C220MA0416	INDUCTION COIL	1	
	L2130	G1C220MA0416	INDUCTION COIL	1	
	L2131	G1C220MA0416	INDUCTION COIL	1	
	L2134	J0JHC0000075	CHIP INDUCTOR	1	
	L2135	J0JHC0000075	CHIP INDUCTOR	1	
	L2136	J0JCC0000287	CHIP INDUCTOR	1	
	L2137	J0JCC0000287	CHIP INDUCTOR	1	
	L2138	J0JYC0000331	CHIP INDUCTOR	1	PAVCSG
	L2139	J0JYC0000331	CHIP INDUCTOR	1	PAVCSG
	L2140	J0JYC0000331	CHIP INDUCTOR	1	PAVCSG
	L2141	J0JYC0000331	CHIP INDUCTOR	1	PAVCSG
	L2142	J0JYC0000331	CHIP INDUCTOR	1	PAVCSG
	L2143	J0JYC0000331	CHIP INDUCTOR	1	PAVCSG
	L4500	J0JYC0000068	CHIP INDUCTOR	1	
	L4501	J0JYC0000068	CHIP INDUCTOR	1	
	L4502	J0JYC0000068	CHIP INDUCTOR	1	
	L4503	J0JYC0000068	CHIP INDUCTOR	1	
	L4504	J0JYC0000068	CHIP INDUCTOR	1	
	L4505	J0JYC0000068	CHIP INDUCTOR	1	
	L4506	J0JYC0000068	CHIP INDUCTOR	1	
	L4507	J0JYC0000068	CHIP INDUCTOR	1	
	L4508	J0JYC0000068	CHIP INDUCTOR	1	
	L4511	J0JYC0000068	CHIP INDUCTOR	1	
	L4512	J0JYC0000068	CHIP INDUCTOR	1	
	L4513	J0JYC0000068	CHIP INDUCTOR	1	
	L5609	G1C6R8MA0416	INDUCTION COIL	1	PAVCSG
	L5610	G1C100MA0416	INDUCTION COIL	1	
	L5611	G1C220MA0416	INDUCTION COIL	1	
	L5613	J0JHC0000075	CHIP INDUCTOR	1	
	L8000	J0JHC0000045	CHIP INDUCTOR	1	
	L8002	J0JHC0000045	CHIP INDUCTOR	1	
	L8003	J0JHC0000045	CHIP INDUCTOR	1	
	L8004	J0JHC0000045	CHIP INDUCTOR	1	
	L8005	J0JHC0000045	CHIP INDUCTOR	1	
	L8006	J0JHC0000045	CHIP INDUCTOR	1	
	L8007	ELJRF10NJFB	INDUCTION COIL	1	
	L8008	J0JHC0000045	CHIP INDUCTOR	1	
	L8009	J0JHC0000045	CHIP INDUCTOR	1	
	L8010	J0JHC0000045	CHIP INDUCTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	L8011	J0JHC0000045	CHIP INDUCTOR	1	
	L8012	J0JHC0000045	CHIP INDUCTOR	1	
	L8013	J0JHC0000045	CHIP INDUCTOR	1	
	L8014	J0JHC0000045	CHIP INDUCTOR	1	
	L8016	J0JHC0000045	CHIP INDUCTOR	1	
	L8017	J0JHC0000045	CHIP INDUCTOR	1	
	L8302	J0JGC0000070	FILTER	1	
	L8306	J0JHC0000045	CHIP INDUCTOR	1	
	L8315	J0JCC0000269	CHIP INDUCTOR	1	
	L8500	J0JHC0000045	CHIP INDUCTOR	1	
	L8501	J0JHC0000045	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	PAVCSG
	L16401	G0C1R1K00002	PEAKING COIL	1	PAVCSG
	L16411	G0C1R1K00002	PEAKING COIL	1	PAVCSG
	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	
	PA001	K5H5022A0031	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	B1ABCF000231	TRANSISTOR	1	
	Q2102	B1ABCF000231	TRANSISTOR	1	
	Q2109	DSC2001S0L	TRANSISTOR	1	
	Q2110	DSC2001S0L	TRANSISTOR	1	
	Q2111	DSA2001S0L	TRANSISTOR	1	
	Q2112	DSC2001S0L	TRANSISTOR	1	
	Q2113	DSC2001S0L	TRANSISTOR	1	
	Q2114	B1ABCF000231	TRANSISTOR	1	
	Q2115	B1ABCF000231	TRANSISTOR	1	
	Q2116	B1ABCF000231	TRANSISTOR	1	
	Q2510	DSC200100L	TRANSISTOR	1	
	Q2511	DSC200100L	TRANSISTOR	1	
	Q2512	DSC200100L	TRANSISTOR	1	
	Q4500	DSC2001S0L	TRANSISTOR	1	
	Q4501	DSC2001S0L	TRANSISTOR	1	
	Q4502	DSC2001S0L	TRANSISTOR	1	
	Q4513	B1ADCE000022	TRANSISTOR	1	
	Q4514	B1HFCFA00026	TRANSISTOR	1	
	Q4700	DSA2001S0L	TRANSISTOR	1	
	Q4702	DSC2001S0L	TRANSISTOR	1	
	Q4703	DSC2001S0L	TRANSISTOR	1	
	Q4704	DSC2001S0L	TRANSISTOR	1	
	Q4705	DSC2001S0L	TRANSISTOR	1	
	Q4706	DSC2001S0L	TRANSISTOR	1	
	Q4707	DSC2001S0L	TRANSISTOR	1	
	Q5602	B1ADCE000022	TRANSISTOR	1	
	Q5612	B1ABCF000231	TRANSISTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	Q5613	B1ABCF000231	TRANSISTOR	1	
	Q5614	DSC2001S0L	TRANSISTOR	1	
	Q5615	B1ABGC000011	TRANSISTOR	1	
	Q8002	B1ABCF000231	TRANSISTOR	1	
	Q8003	B1ABCF000231	TRANSISTOR	1	
	Q8005	B1CBGD000001	FET	1	
	Q8301	DSA2001S0L	TRANSISTOR	1	
	Q8302	DSA2001S0L	TRANSISTOR	1	
	Q8303	B1ABCF000231	TRANSISTOR	1	
	Q8304	B1ABCF000231	TRANSISTOR	1	
	Q8306	B1ADCE000022	TRANSISTOR	1	
	Q8307	B1ABCF000231	TRANSISTOR	1	
	Q8308	DSA2001S0L	TRANSISTOR	1	
	Q8309	DSC2001S0L	TRANSISTOR	1	
	Q8310	DSC2001S0L	TRANSISTOR	1	
	Q8311	DSA2001S0L	TRANSISTOR	1	
	Q8312	B1CBHD000002	FET	1	
	Q8313	B1CBHD000002	FET	1	
	Q9000	B1ABCF000231	TRANSISTOR	1	
	Q9001	B1ABCF000231	TRANSISTOR	1	
	Q9002	B1ABCF000231	TRANSISTOR	1	
	Q9003	B1ABCF000231	TRANSISTOR	1	
	Q9004	B1ABCF000231	TRANSISTOR	1	
	Q9800	B1ABCF000231	TRANSISTOR	1	
	Q9802	B1ABCF000231	TRANSISTOR	1	
	Q9900	B1ABCF000231	TRANSISTOR	1	
	Q9901	B1ABCF000231	TRANSISTOR	1	
	Q16001	B1JBEN000002	TRANSISTOR	1	PAVCSG
	Q16002	B1JBEN000002	TRANSISTOR	1	PAVCSG
	Q16021	B1JBEN000002	TRANSISTOR	1	PAVCSG
	Q16022	B1JBEN000002	TRANSISTOR	1	PAVCSG
	Q16101	B1CFRM000008	FET	1	
	Q16102	B1CFRM000008	FET	1	
	Q16141	B1HFPPA000001	TRANSISTOR	1	
	Q16161	B1HFPPA000001	TRANSISTOR	1	
	Q16191	B1HFPPA000001	TRANSISTOR	1	
	Q16280	B1ABCF000231	TRANSISTOR	1	
	Q16401	B1JAEQ000010	TRANSISTOR	1	PAVCSG
	Q16402	B1JAEQ000010	TRANSISTOR	1	PAVCSG
	Q16421	B1JAEP000014	TRANSISTOR	1	PAVCSG
	Q16422	B1JAEP000014	TRANSISTOR	1	PAVCSG
	Q16441	DG3D5010CSLW	ZENER DIODE	1	PAVCSG
	Q16451	B1JAEP000012	TRANSISTOR	1	
	Q16471	B1ABCF000231	TRANSISTOR	1	
	Q16490	B1CBGD000001	FET	1	
	Q16501	B1HFPPA000001	TRANSISTOR	1	
	Q16521	B1HFPPA000001	TRANSISTOR	1	
	Q16531	B1HFPPA000001	TRANSISTOR	1	
	Q16551	B1HFPPA000001	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	B1HFPPA000001	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	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	Q16885	B1CFNG000001	FET	1	
	Q16920	B1ABCN000007	TRANSISTOR	1	
	Q16921	B1ABCN000007	TRANSISTOR	1	
	Q16930	DSC2001Q0L	TRANSISTOR	1	
	Q16931	B1ABCN000007	TRANSISTOR	1	
	Q16932	DSC2001Q0L	TRANSISTOR	1	
	R2104	D0GB473JA057	M 47KOHM, J, 1/10W	1	
	R2105	D0GB473JA057	M 47KOHM, J, 1/10W	1	
	R2106	D1BB1002A055	M 10KOHM, 1/10W	1	
	R2107	D1BB1002A055	M 10KOHM, 1/10W	1	
	R2114	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2115	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2116	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2117	D0GA470JA015	M 47 OHM, J, 0.063W	1	
	R2118	D0GA470JA015	M 47 OHM, J, 0.063W	1	
	R2119	D0GA470JA015	M 47 OHM, J, 0.063W	1	
	R2122	ERJ2GEJ221	M 220 OHM, J, 0.063W	1	
	R2123	D1BB3302A055	M 33KOHM, 1/10W	1	
	R2124	D1BB3302A055	M 33KOHM, 1/10W	1	
	R2128	D0GA472JA015	M 4.7KOHM, J, 0.063W	1	
	R2130	D0GA472JA015	M 4.7KOHM, J, 0.063W	1	
	R2157	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R2158	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R2159	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R2160	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R2164	D0GA222JA015	M 2.2KOHM, J, 0.063W	1	
	R2184	ERJ2GEJ220	M 22 OHM, J, 0.063W	1	
	R2185	ERJ2GEJ220	M 22 OHM, J, 0.063W	1	
	R2198	D0GA472JA015	M 4.7KOHM, J, 0.063W	1	
	R2199	D0GA472JA015	M 4.7KOHM, J, 0.063W	1	
	R2200	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2207	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R2209	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R2210	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R2211	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R2212	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R2213	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R2216	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R2217	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R2218	D0GA680JA015	M 47 OHM, J, 0.063W	1	
	R2219	ERJ14YJ220U	M 22 OHM, J, 1/4W	1	
	R2220	ERJ14YJ220U	M 22 OHM, J, 1/4W	1	
	R2221	ERJ14YJ220U	M 22 OHM, J, 1/4W	1	
	R2222	ERJ14YJ220U	M 22 OHM, J, 1/4W	1	
	R2223	D0GA680JA015	M 47 OHM, J, 0.063W	1	
	R2225	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R2239	D0GA222JA015	M 2.2KOHM, J, 0.063W	1	
	R2258	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2260	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R2265	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2279	D0GAR00Z0001	C 0 OHM, 0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R2280	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2281	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2282	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R2283	D0GA153JA015	M 15K OHM J 0.063W	1	
	R2284	D0GA153JA015	M 15K OHM J 0.063W	1	
	R2285	D0GA153JA015	M 15K OHM J 0.063W	1	
	R2286	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2287	D0GA153JA015	M 15K OHM J 0.063W	1	
	R2288	D0GA153JA015	M 15K OHM J 0.063W	1	
	R2289	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R2290	D0GA153JA015	M 15K OHM J 0.063W	1	
	R2299	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2300	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R2303	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R2306	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2308	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2309	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R2310	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2311	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R2312	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R2314	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2324	D0GA471JA015	M 470OHM, J,0.063W	1	
	R2325	D0GA471JA015	M 470OHM, J,0.063W	1	
	R2326	D1BB2212A055	M22.1KOHM, 1/10W	1	
	R2327	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	R2329	D1BA1822A014	M18.2KOHM, 1/10W	1	
	R2330	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2331	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
	R2332	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
	R2333	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
	R2334	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
	R2336	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R2337	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R2343	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R2347	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2348	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2356	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2357	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2360	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R2361	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R2362	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R2363	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R2364	D0GA105JA015	M 1M OHM, J,0.063W	1	
	R2366	ERJ3GEYJ101	M 100 OHM, J,1/16W	1	
	R2367	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2376	ERJ6RED750	M 75 OHM, 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R2377	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R2378	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2381	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R2382	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R2388	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R2391	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2393	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R2510	ERJ3GEYJ470	M 47 OHM, J,1/16W	1	
	R2511	D0GB104JA041	M 100KOHM J 1/10W	1	
	R2512	D0GB224JA041	M 2.2KOHM, J,1/10W	1	
	R2513	ERJ3GEYJ223	M 22KOHM, J,1/16W	1	
	R2514	D0GB103JA057	M 10K OHM J 1/10W	1	
	R2515	D0GB473JA057	M 47KOHM, J,1/10W	1	
	R2516	D1BB6800A055	M 680 OHM, 1/10W	1	
	R2517	ERJ3GEYJ223	M 22KOHM, J,1/16W	1	
	R2518	D0GB473JA057	M 47KOHM, J,1/10W	1	
	R2519	D1BB1821A055	M1.82KOHM, 1/10W	1	
	R2880	D1BB1432A055	M14.3KOHM, 1/10W	1	
	R2881	D1BB6651A055	M6.65KOHM, 1/10W	1	
	R2882	D1BB7151A055	M7.15KOHM, 1/10W	1	
	R2883	D1BB1741A055	M 1.74KOHM, 1/16W	1	
	R3766	D1BB7151A055	M7.15KOHM, 1/10W	1	
	R4502	D0GA473JA015	M 47KOHM, J,0.063W	1	
	R4503	D0GA473JA015	M 47KOHM, J,0.063W	1	
	R4504	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4505	D0GA473JA015	M 47KOHM, J,0.063W	1	
	R4506	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4507	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4509	D0GA473JA015	M 47KOHM, J,0.063W	1	
	R4512	D0GA473JA015	M 47KOHM, J,0.063W	1	
	R4515	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R4516	D0GA473JA015	M 47KOHM, J,0.063W	1	
	R4519	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R4520	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R4525	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R4526	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R4527	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R4548	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R4549	D0GA151JA015	M 150 OHM, J,0.063W	1	
	R4550	D0GA151JA015	M 150 OHM, J,0.063W	1	
	R4555	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R4557	D0GA151JA015	M 150 OHM, J,0.063W	1	
	R4558	D0GA560JA015	M 56 OHM, J,0.063W	1	
	R4563	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4565	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4566	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4567	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4705	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
	R4706	D0GA101JA015	M 100 OHM, J,0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R4711	D0GA472JA015	M 4.7KOHM, J, 0.063W	1	
	R4715	D0GA222JA015	M 2.2KOHM, J, 0.063W	1	
	R4716	D0GA222JA015	M 2.2KOHM, J, 0.063W	1	
	R4717	D0GA222JA015	M 2.2KOHM, J, 0.063W	1	
	R4719	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R4722	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R4729	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R4730	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R4731	D0GA222JA015	M 2.2KOHM, J, 0.063W	1	
	R4739	D0GA473JA015	M 47KOHM, J, 0.063W	1	
	R4740	D0GA473JA015	M 47KOHM, J, 0.063W	1	
	R4742	ERJ6GEYJ150V	M 15 OHM, J, 1/10W	1	
	R4745	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R4748	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R4752	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R4753	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R4754	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	R4755	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	R4756	D0GA184JA015	M 180KOHM J 0.063W	1	
	R4757	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R4762	EXB2HV220JV	RESISTOR ARRAY	1	
	R4778	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R4780	EXB2HV220JV	RESISTOR ARRAY	1	
	R4802	EXB2HV220JV	RESISTOR ARRAY	1	
	R4803	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R4804	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R4805	D0GA473JA015	M 47KOHM, J, 0.063W	1	
	R4806	D0GA473JA015	M 47KOHM, J, 0.063W	1	
	R4809	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R4810	D0GA273JA015	M 27K OHM J , 0.063W	1	
	R4815	ERJ2GEJ221	M 220 OHM, J, 0.063W	1	
	R4818	D0GA222JA015	M 2.2KOHM, J, 0.063W	1	
	R4821	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R4822	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R4830	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R4831	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R4833	D0GA183JA015	M 18K OHM J 0.063W	1	
	R4834	ERJ2GEJ221	M 220 OHM, J, 0.063W	1	
	R4835	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R5601	D0GB150JA041	M 15 OHM J 1/10W	1	PAVCSG
	R5602	D0GB150JA041	M 15 OHM J 1/10W	1	PAVCSG
	R5603	D0GB150JA041	M 15 OHM J 1/10W	1	PAVCSG
	R5605	D0GA223JA015	M 22K OHM J 0.063W	1	
	R5606	D0GA473JA015	M 47KOHM, J, 0.063W	1	
	R5607	D0GA152JA015	M 1.5KOHM, J, 0.063W	1	
	R5608	D0GA222JA015	M 2.2KOHM, J, 0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R5610	D0GA471JA015	M 470OHM, J, 0.063W	1	
	R5611	D0GB2R2JA057	M 2.20HM J 1/10W	1	
	R5613	D0GB2R2JA057	M 2.20HM J 1/10W	1	
	R5657	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R5663	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R5667	D1BB5101A087	M5.1 KOHM, 1/10W	1	PAVCSG
	R5668	D1BB1002A087	M 10KOHM, 1/10W	1	
	R5669	D1BB1202A087	M 12KOHM, 1/10W	1	PAVCSG
	R5670	D0GA223JA015	M 22K OHM J 0.063W	1	
	R5671	D0GA683JA015	M 68KOHM, J, 0.063W	1	
	R5672	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R5673	D0GA473JA015	M 47KOHM, J, 0.063W	1	
	R5674	D0GA222JA015	M 2.2KOHM, J, 0.063W	1	
	R5675	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R5676	D0GA473JA015	M 47KOHM, J, 0.063W	1	
	R5678	D1BB9101A087	M9.1 KOHM, 1/10W	1	PAVCSG
	R5679	D1BB1002A087	M 10KOHM, 1/10W	1	
	R5680	D1BA2201A014	M2.2 KOHM, 1/10W	1	
	R5681	D1BB4702A087	M 47KOHM, 1/10W	1	PAVCSG
	R5682	D1BB1002A087	M 10KOHM, 1/10W	1	
	R5683	D1BA6801A014	M6.8 KOHM, 1/10W	1	
	R5695	D0GA471JA015	M 470OHM, J, 0.063W	1	
	R5696	D0GA623JA015	M 62KOHM, J, 0.063W	1	PAVCSG
	R5697	D1BB3161A055	M3.16KOHM, 1/10W	1	
	R5705	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	R5706	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	R5713	D1BB6201A087	M 6.2KOHM, 1/10W	1	PAVCSG
	R5714	D1BB6200A087	M 620 OHM, 1/10W	1	PAVCSG
	R5715	D1BB4301A087	M4.3 KOHM, 1/10W	1	PAVCSG
	R8000	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8001	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8003	D1BA3010A014	M 301 OHM, 1/10W	1	PAVCSG
	R8004	D1BA4020A014	M 402 OHM, 1/10W	1	PAVCSG
	R8005	D1BA1020A014	M102 OHM, 1/10W	1	PAVCSG
	R8006	D1BA4020A014	M 402 OHM, 1/10W	1	PAVCSG
	R8007	D1BA1020A014	M102 OHM, 1/10W	1	PAVCSG
	R8008	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8009	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8010	EXB28V101JX	RESISTOR ARRAY	1	
	R8011	EXB28V101JX	RESISTOR ARRAY	1	
	R8012	EXB28V101JX	RESISTOR ARRAY	1	
	R8013	EXB28V101JX	RESISTOR ARRAY	1	
	R8014	EXB28V101JX	RESISTOR ARRAY	1	
	R8015	EXB28V101JX	RESISTOR ARRAY	1	
	R8016	EXB28V101JX	RESISTOR ARRAY	1	
	R8017	EXB28V101JX	RESISTOR ARRAY	1	
	R8018	EXB28V101JX	RESISTOR ARRAY	1	
	R8019	EXB28V101JX	RESISTOR ARRAY	1	
	R8023	D0GA105JA015	M 1M OHM, J, 0.063W	1	
	R8024	D0GA222JA015	M 2.2KOHM, J, 0.063W	1	
	R8025	D1BB2001A055	M 2KOHM, 1/10W	1	
	R8026	D1BB2001A055	M 2KOHM, 1/10W	1	
	R8027	D1BB2001A055	M 2KOHM, 1/10W	1	
	R8037	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R8039	D0GA472JA015	M 4.7KOHM, J, 0.063W	1	
	R8040	D0GA472JA015	M 4.7KOHM, J, 0.063W	1	
	R8041	D0GA472JA015	M 4.7KOHM, J, 0.063W	1	
	R8043	D0GA473JA015	M 47KOHM, J, 0.063W	1	



Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R8044	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8045	D0GA473JA015	M 47KOHM, J,0.063W	1	
	R8048	D0GA273JA015	M 27K OHM J,0.063W	1	
	R8049	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8050	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8051	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8053	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8054	D0GA122JA015	M 1.2KOHM, J,0.063W	1	
	R8055	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R8056	D0GA152JA015	M 1.5KOHM, J,0.063W	1	
	R8057	D0GA152JA015	M 1.5KOHM, J,0.063W	1	
	R8058	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
	R8062	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8068	D0GA151JA015	M 150 OHM, J,0.063W	1	
	R8079	ERJ2RKF73R2	M 73.2 OHM, , 0.063W	1	PAVCSG
	R8084	EXB2HV103JV	RESISTOR ARRAY	1	
	R8089	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R8091	D1BA80R6A014	M 80.6 OHM, 1/10W	1	PAVCSG
	R8094	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8098	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8099	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8100	D0GA223JA015	M 22K OHM J 0.063W	1	
	R8101	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8102	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8103	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8106	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R8302	D0GA561JA015	M 560OHM, J,0.063W	1	PAVCSG
	R8303	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8305	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8306	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R8307	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8308	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8309	D0GA750JA015	M 75 OHM, J,0.063W	1	PAVCSG
	R8310	D0GA474JA015	M470KOHM, J,0.063W	1	PAVCSG
	R8311	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R8312	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8313	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R8314	D0GA333JA015	M 33KOHM, J,0.063W	1	
	R8315	D0GA223JA015	M 22K OHM J 0.063W	1	
	R8316	D0GA473JA015	M 47KOHM, J,0.063W	1	
	R8317	D0GA473JA015	M 47KOHM, J,0.063W	1	
	R8318	D0GA223JA015	M 22K OHM J 0.063W	1	
	R8319	D0GA393JA015	M 39KOHM, J,0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R8320	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8321	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8322	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8323	D0GA333JA015	M 33KOHM, J,0.063W	1	
	R8324	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8325	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R8326	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8330	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R8331	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R8332	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R8336	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R8337	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8339	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
	R8341	ERJ6GEYG821	M 820 OHM, J,1/10W	1	
	R8342	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8377	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8388	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8400	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R8401	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R8402	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R8403	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R8404	ERJ6GEYG821	M 820 OHM, J,1/10W	1	
	R8405	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
	R8407	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R8501	D0GA680JA015	M 47 OHM, J,0.063W	1	
	R8502	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8512	EXB2HV680J	RESISTOR ARRAY	1	
	R8513	EXB2HV680J	RESISTOR ARRAY	1	
	R8514	EXB2HV680J	RESISTOR ARRAY	1	
	R8515	EXB2HV680J	RESISTOR ARRAY	1	
	R8516	EXB2HV680J	RESISTOR ARRAY	1	
	R8521	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8522	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8523	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8528	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8530	EXB2HV330JV	RESISTOR ARRAY	1	
	R8531	D0GA680JA015	M 47 OHM, J,0.063W	1	
	R8532	D0GA680JA015	M 47 OHM, J,0.063W	1	
	R8533	D0GA680JA015	M 47 OHM, J,0.063W	1	
	R8538	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8539	EXB2HV680J	RESISTOR ARRAY	1	
	R8543	EXB2HV103JV	RESISTOR ARRAY	1	
	R8546	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8547	D0GA473JA015	M 47KOHM, J,0.063W	1	
	R8548	D0GA473JA015	M 47KOHM, J,0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R8557	D0GA472JA015	M 4.7KOHM, J, 0.063W	1	
	R8560	D0GA472JA015	M 4.7KOHM, J, 0.063W	1	
	R9022	D0GA272JA015	M 2.7KOHM, J, 0.063W	1	
	R9023	D0GA272JA015	M 2.7KOHM, J, 0.063W	1	
	R9026	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R9027	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R9028	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R9029	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R9032	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R9041	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R9070	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9072	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9100	D0GA473JA015	M 47KOHM, J, 0.063W	1	
	R9101	D0GA333JA015	M 33KOHM, J, 0.063W	1	
	R9102	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R9103	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R9104	EXB38V101JV	RESISTOR ARRAY	1	
	R9105	ERJ2GEJ220	M 22 OHM, J, 0.063W	1	
	R9107	D0GA332JA015	M 3.3KOHM, J, 0.063W	1	
	R9110	D0GA473JA015	M 47KOHM, J, 0.063W	1	
	R9111	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R9112	D0GA472JA015	M 4.7KOHM, J, 0.063W	1	
	R9113	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9114	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R9116	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9117	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9118	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R9119	EXB28V470JX	RESISTOR ARRAY	1	
	R9120	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R9121	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R9124	D0GA470JA015	M 47 OHM, J, 0.063W	1	
	R9125	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R9129	D0GA683JA015	M 68KOHM, J, 0.063W	1	
	R9130	D0GA470JA015	M 47 OHM, J, 0.063W	1	
	R9145	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R9149	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R9152	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9153	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9154	D0GA272JA015	M 2.7KOHM, J, 0.063W	1	
	R9155	D0GA272JA015	M 2.7KOHM, J, 0.063W	1	
	R9164	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9187	D0GA272JA015	M 2.7KOHM, J, 0.063W	1	
	R9188	D0GA272JA015	M 2.7KOHM, J, 0.063W	1	
	R9190	D0GA101JA015	M 100 OHM, J, 0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R9191	D0GA101JA015	M 100 OHM, J, 0.063W	1	
	R9194	D0GA331JA015	M 330 OHM, J, 0.063W	1	
	R9198	EXB28V101JX	RESISTOR ARRAY	1	
	R9203	D0GA223JA015	M 22K OHM J 0.063W	1	
	R9205	D0GA333JA015	M 33KOHM, J, 0.063W	1	
	R9206	D0GA563JA015	M 56KOHM, J, 0.063W	1	
	R9207	D0GA243JA015	M 24K OHM J 0.063W	1	PAVCSG
	R9208	EXB2HV470JV	RESISTOR ARRAY	1	
	R9209	EXB2HV470JV	RESISTOR ARRAY	1	
	R9212	D0GA470JA015	M 47 OHM, J, 0.063W	1	
	R9213	D0GA470JA015	M 47 OHM, J, 0.063W	1	
	R9215	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R9216	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R9223	D0GA272JA015	M 2.7KOHM, J, 0.063W	1	
	R9225	D0GA272JA015	M 2.7KOHM, J, 0.063W	1	
	R9316	D0GA470JA015	M 47 OHM, J, 0.063W	1	
	R9318	D0GA470JA015	M 47 OHM, J, 0.063W	1	
	R9319	D0GA470JA015	M 47 OHM, J, 0.063W	1	
	R9320	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R9321	D0GA105JA015	M 1M OHM, J, 0.063W	1	
	R9322	D0GA470JA015	M 47 OHM, J, 0.063W	1	
	R9323	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R9324	D0GB162JA041	N 1.6KOHM J 1/10W	1	
	R9325	D0GB162JA041	N 1.6KOHM J 1/10W	1	
	R9326	D0GB162JA041	N 1.6KOHM J 1/10W	1	
	R9327	D0GB162JA041	N 1.6KOHM J 1/10W	1	
	R9341	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R9400	EXB2HV103JV	RESISTOR ARRAY	1	
	R9401	EXB2HV103JV	RESISTOR ARRAY	1	
	R9608	EXB2HV470JV	RESISTOR ARRAY	1	
	R9609	EXB2HV470JV	RESISTOR ARRAY	1	
	R9610	EXB2HV470JV	RESISTOR ARRAY	1	
	R9868	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R9871	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9872	D1BB3301A055	M 3.3KOHM, 1/10W	1	
	R9873	D1BB1002A055	M 10KOHM, 1/10W	1	
	R9874	D1BB2702A055	M 27KOHM, 1/10W	1	
	R9875	D1BB2002A055	M 20KOHM, 1/10W	1	
	R9877	D1BB4702A055	M 47KOHM, 1/10W	1	
	R9878	D1BB1002A055	M 10KOHM, 1/10W	1	
	R9879	D1BB1502A055	M 15KOHM, 1/10W	1	
	R9880	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9881	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9882	D0GA473JA015	M 47KOHM, J, 0.063W	1	
	R9884	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9890	D1BB11030002	M 110KOHM, 1/10W	1	
	R9891	D1BB3242A055	M32.4KOHM, 1/10W	1	
	R9899	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	R9901	D0GB2R2JA057	M 2.2OHM J 1/10W	1	
	R9903	D0GA472JA015	M 4.7KOHM, J, 0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R9904	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R9905	ERJ2GEJ103	M 10KOHM, J, 0.063W	1	
	R9906	ERJ2GEJ104	M 100KOHM, J, 0.063W	1	
	R9907	DOGA101JA015	M 100 OHM, J, 0.063W	1	
	R9914	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	R9916	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	R9958	DOGA472JA015	M 4.7KOHM, J, 0.063W	1	
	R9959	DOGB390JA041	M 39 OHM, J, 1/10W	1	
	R9963	D1BB5601A055	M 5.6KOHM, 1/10W	1	
	R9984	DOGA472JA015	M 4.7KOHM, J, 0.063W	1	
	R9985	DOGA472JA015	M 4.7KOHM, J, 0.063W	1	
	R9998	D1BA1601A014	M 1.60KOHM, 1/10W	1	PAVCSG
	R9999	DOGA472JA015	M 4.7KOHM, J, 0.063W	1	
	R16001	ERJT08J7R5V	M 7.5OHM, J, 0.33W	1	
	R16002	ERJT08J7R5V	M 7.5OHM, J, 0.33W	1	
	R16021	ERJT08J7R5V	M 7.5OHM, J, 0.33W	1	
	R16022	ERJT08J7R5V	M 7.5OHM, J, 0.33W	1	
	R16101	ERJT06J221V	M 220 OHM, F, 0.25W	1	
	R16102	ERJT06J221V	M 220 OHM, F, 0.25W	1	
	R16103	ERJT06J100V	M 10 OHM, F, 0.25W	1	
	R16104	ERJT06J100V	M 10 OHM, F, 0.25W	1	
	R16105	ERJ8GEYJ474	M 470KOHM, J, 1/8W	1	
	R16109	ERJT06J100V	M 10 OHM, F, 0.25W	1	
	R16116	DOGB473JA057	M 47KOHM, J, 1/10W	1	
	R16131	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
	R16132	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
	R16134	ERJT06J750V	M 75 OHM, F, 0.25W	1	
	R16137	ERJT08J1R0V	M 1.8OHM, J, 0.33W	1	
	R16141	ERJT06J100V	M 10 OHM, F, 0.25W	1	
	R16143	DOGB473JA057	M 47KOHM, J, 1/10W	1	
	R16161	ERJT06J100V	M 10 OHM, F, 0.25W	1	
	R16163	DOGB473JA057	M 47KOHM, J, 1/10W	1	
	R16191	ERJ6GEYJ151V	M 150 OHM, J, 1/10W	1	
	R16192	DOGB103JA057	M 10K OHM J 1/10W	1	
	R16193	ERJ6GEYJ750	M 75 OHM, J, 1/10W	1	
	R16195	ERJT08J1R0V	M 1.8OHM, J, 0.33W	1	
	R16241	EXB38V470J	RESISTOR ARRAY	1	
	R16242	EXB38V472JV	RESISTOR ARRAY	1	
	R16280	DOGB222JA041	M 2.2KOHM, J, 1/10W	1	
	R16281	DOGB103JA057	M 10K OHM J 1/10W	1	
	R16282	ERJ6GEYJ221V	M 220 OHM, J, 1/10W	1	
	R16283	DOGB473JA057	M 47KOHM, J, 1/10W	1	
	R16284	DOGB224JA041	M 2.2KOHM, J, 1/10W	1	
	R16285	EXB38V623J	RESISTOR ARRAY	1	
	R16289	ERJT08J334V	M 330KOHM, F, 0.33W	1	
	R16290	ERJT08J334V	M 330KOHM, F, 0.33W	1	
	R16307	ERJ6RBD623	M 62KOHM, J, 1/10W	1	
	R16309	ERG1FJS333D	M 33KOHM, J, 1W	1	
	R16318	ERJ6RBD563	M 56KOHM, J, 1/10W	1	
	R16319	ERJ6RBD242	M 2.4KOHM, J, 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R16320	ERJ14YJ683	M 68KOHM, 1/2W	1	
	R16330	DOGB102JA041	M 1KOHM, J, 1/10W	1	
	R16332	DOGB474JA041	M 470KOHM, J, 1/10W	1	
	R16334	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
	R16335	DOGB102JA041	M 1KOHM, J, 1/10W	1	
	R16401	ERJT08J7R5V	M 7.5OHM, J, 0.33W	1	
	R16402	ERJT08J7R5V	M 7.5OHM, J, 0.33W	1	
	R16410	DOGB391JA041	M 390 OHM, J, 1/10W	1	
	R16411	ERJ6ENF2700	M 270 OHM, 1/10W	1	
	R16416	DOGB103JA057	M 10K OHM J 1/10W	1	
	R16417	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
	R16418	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
	R16421	ERJT08J7R5V	M 7.5OHM, J, 0.33W	1	
	R16422	ERJT08J7R5V	M 7.5OHM, J, 0.33W	1	
	R16441	ERJT08J5R6V	M 5.6 OHM, F, 0.33W	1	
	R16451	ERJT08J5R6V	M 5.6 OHM, F, 0.33W	1	
	R16471	DOGB392JA041	M 3.9KOHM, J, 1/10W	1	
	R16472	DOGB222JA041	M 2.2KOHM, J, 1/10W	1	
	R16473	ERJ6GEYF561	M 560 OHM, F, 1/10W	1	
	R16474	DOGB102JA041	M 1KOHM, J, 1/10W	1	
	R16475	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
	R16476	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
	R16478	DOGB562JA041	M 5.6KOHM, J, 1/10W	1	
	R16479	ERJ6GEYJ103V	M 10K OHM J 1/10W	1	
	R16490	ERJ6RBD104	M 100KOHM, 1/10W	1	
	R16491	ERJ6RED114	M 110KOHM, 1/10W	1	
	R16492	ERJ6RED124	M 120KOHM, 1/10W	1	
	R16493	ERJ6RBD6981	M 69.8 OHM, F, 1/10W	1	PAVCSG
	R16494	D1BB2001A055	M 2KOHM, 1/10W	1	
	R16495	ERJ6ENF3900	M 390 OHM, 1/10W	1	
	R16496	ERJ6GEYJ470V	M 47 OHM, J, 1/10W	1	
	R16497	DOGB473JA057	M 47KOHM, J, 1/10W	1	
	R16498	DOGB103JA057	M 10K OHM J 1/10W	1	
	R16503	ERJT06J100V	M 10 OHM, F, 0.25W	1	
	R16504	ERJT06J750V	M 75 OHM, F, 0.25W	1	
	R16506	ERJT06J100V	M 10 OHM, F, 0.25W	1	
	R16510	ERJT14J1R0V	M 1.0 OHM, J, 1/4W	1	
	R16512	DOGB473JA057	M 47KOHM, J, 1/10W	1	
	R16517	DOGB473JA057	M 47KOHM, J, 1/10W	1	
	R16521	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
	R16522	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
	R16523	ERJT06J750V	M 75 OHM, F, 0.25W	1	
	R16524	ERJT06J750V	M 75 OHM, F, 0.25W	1	
	R16531	ERJT06J100V	M 10 OHM, F, 0.25W	1	
	R16533	DOGB473JA057	M 47KOHM, J, 1/10W	1	
	R16534	ERJT08J5R6V	M 5.6 OHM, F, 0.33W	1	
	R16551	ERJT06J100V	M 10 OHM, F, 0.25W	1	
	R16553	DOGB473JA057	M 47KOHM, J, 1/10W	1	
	R16561	EXB38V470J	RESISTOR ARRAY	1	
	R16562	EXB38V470J	RESISTOR ARRAY	1	
	R16563	EXB38V470J	RESISTOR ARRAY	1	
	R16564	EXB38V470J	RESISTOR ARRAY	1	
	R16565	EXB38V472JV	RESISTOR ARRAY	1	
	R16566	EXB38V472JV	RESISTOR ARRAY	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R16567	EXB38V472JV	RESISTOR ARRAY	1	
	R16568	EXB38V472JV	RESISTOR ARRAY	1	
	R16580	DOGB562JA041	M 5.6KOHM, J, 1/10W	1	
	R16581	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
	R16582	ERJT08J393	M 39 KOHM, J, 0.33W	1	
	R16583	ERJT08J393	M 39 KOHM, J, 0.33W	1	
	R16584	D1BD6811A044	M6.81KOHM, 1/10W	1	
	R16585	D1BB1001A055	M 1KOHM, 1/10W	1	
	R16586	D1BB1691A055	M1.69KOHM, 1/10W	1	PAVCSG
	R16587	DOGB222JA041	M 2.2KOHM, J, 1/10W	1	
	R16588	DOGB103JA057	M 10K OHM J 1/10W	1	
	R16590	ERJ3GEYJ221	M 220 OHM, J, 1/16W	1	
	R16591	EXB38V472JV	RESISTOR ARRAY	1	
	R16593	D1BB1331A055	M1.33KOHM, 1/10W	1	PAVCSG
	R16601	ERJT08J1R0V	M 1.8OHM, J, 0.33W	1	
	R16604	ERJ6GEYJ331V	M 330 OHM J 1/10W	1	
	R16605	ERJ6GEYG182	M 1.8KOHM, J, 1/10W	1	
	R16607	D1BB6491A055	M6.49KOHM, 1/10W	1	PAVCSG
	R16609	ERJT08J202V	M 2KOHM, J, 0.33W	1	
	R16610	DOGB104JA041	M 100KOHM J 1/10W	1	
	R16612	ERJT06J470V	M 47 OHM, F, 0.25W	1	
	R16615	D1BB1131A055	M1.13KOHM, 1/10W	1	PAVCSG
	R16617	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	1	
	R16619	ERJT08J1R0V	M 1.8OHM, J, 0.33W	1	
	R16621	ERJ6GEYJ221V	M 220 OHM, J, 1/10W	1	
	R16631	DOGB103JA057	M 10K OHM J 1/10W	1	
	R16633	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
	R16634	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
	R16658	ERJ3RBD9761	M9.76K OHM, 1/13W	1	PAVCSG
	R16661	DOGB122JA041	N 1.2KOHM J 1/10W	1	
	R16663	ERJ3RBD6981	M6.98K OHM, 1/13W	1	PAVCSG
	R16664	ERJT08J102V	M 1KOHM, J, 0.33W	1	
	R16665	ERJT06J330V	M 33 OHM, F, 0.25W	1	
	R16666	D1BB2202A087	M 22KOHM, 1/10W	1	
	R16674	ERJT08J102V	M 1KOHM, J, 0.33W	1	
	R16675	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
	R16679	D1BB1002A087	M 10KOHM, 1/10W	1	
	R16680	D1BB1002A087	M 10KOHM, 1/10W	1	
	R16681	ERJT06J100V	M 10 OHM, F, 0.25W	1	
	R16684	ERJ6GEYJ221V	M 220 OHM, J, 1/10W	1	
	R16685	ERJ6GEYJ221V	M 220 OHM, J, 1/10W	1	
	R16686	DOGB103JA057	M 10K OHM J 1/10W	1	
	R16690	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
	R16691	ERJ8GEYJ563	M 56KOHM, J, 1/8W	1	
	R16692	ERJ6RBD152	M 1.5KOHM, J, 1/10W	1	
	R16694	ERJ8GEYJ563	M 56KOHM, J, 1/8W	1	
	R16695	ERJ6RBD152	M 1.5KOHM, J, 1/10W	1	
	R16696	ERF5TK2R2	W 2.2 OHM, K, 5W	1	
	R16699	DOGB103JA057	M 10K OHM J 1/10W	1	
	R16707	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R16711	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
	R16712	ERJ6GEYJ102V	M 1K OHM J 1/10W	1	
	R16717	DOGB102JA041	M 1KOHM, J, 1/10W	1	
	R16721	EXB38V220JV	RESISTOR ARRAY	1	
	R16742	DOGB473JA057	M 47KOHM, J, 1/10W	1	
	R16745	DOGB474JA041	M 470KOHM, J, 1/10W	1	
	R16746	ERJ6GEYF473	M 47KOHM, J, 1/10W	1	
	R16747	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	1	
	R16750	ERJT06J273V	M 27KOHM, J, 0.25W	1	PAVCSG
	R16751	ERJT06J154V	M 150KOHM, F, 0.25W	1	
	R16752	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
	R16753	ERJ6GEYF473	M 47KOHM, J, 1/10W	1	
	R16755	ERJT06J273V	M 27KOHM, J, 0.25W	1	PAVCSG
	R16761	ERJT06J100V	M 10 OHM, F, 0.25W	1	
	R16763	DOGB473JA057	M 47KOHM, J, 1/10W	1	
	R16765	ERJT06J100V	M 10 OHM, F, 0.25W	1	
	R16769	ERJT06J750V	M 75 OHM, F, 0.25W	1	
	R16772	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
	R16773	ERJ6GEYJ102V	M 1K OHM J 1/10W	1	
	R16774	ERG1SJ273	M 27KOHM, J, 1W	1	
	R16776	ERJ6GEYJ470V	M 47 OHM, J, 1/10W	1	
	R16783	ERJT06J154V	M 150KOHM, F, 0.25W	1	
	R16785	ERJ6ENF1003	M 100KOHM, 1/10W	1	
	R16786	ERJ6ENF1003	M 100KOHM, 1/10W	1	
	R16787	ERJ6ENF3302	M 33KOHM, 1/10W	1	
	R16789	DOGB103JA057	M 10K OHM J 1/10W	1	
	R16801	ERJ6RBD223V	M 22KOHM, 1/16W	1	
	R16802	ERJ6RBD3322	M33.2KOHM, F, 1/10W	1	PAVCSG
	R16804	ERJ8GEYJ112	M 1.1KOHM, J, 1/8W	1	
	R16822	ERJ6ENF8202	M 82KOHM, 1/10W	1	
	R16823	ERJ6ENF8202	M 82KOHM, 1/10W	1	
	R16824	ERJ6ENF3302	M 33KOHM, 1/10W	1	
	R16825	ERJT06J154V	M 150KOHM, F, 0.25W	1	
	R16826	ERJ6GEYJ103V	M 10K OHM J 1/10W	1	
	R16827	DOGB222JA041	M 2.2KOHM, J, 1/10W	1	
	R16829	DOGB102JA041	M 1KOHM, J, 1/10W	1	
	R16831	ERJ6RBD6812	M68.1KOHM, F, 1/10W	1	
	R16832	ERJ6RBD7152	M71.5KOHM, F, 1/10W	1	
	R16837	DOGB102JA041	M 1KOHM, J, 1/10W	1	
	R16838	ERG1FJS823D	M 82KOHM, J, 1W	1	
	R16841	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
	R16843	ERJ6GEYJ102V	M 1K OHM J 1/10W	1	
	R16844	ERA6YEB242	M 24KOHM, 1/10W	1	
	R16845	ERJ6RBD6042	M60.4KOHM, F, 1/10W	1	PAVCSG
	R16846	ERJ6RBD6042	M60.4KOHM, F, 1/10W	1	PAVCSG
	R16849	ERJ6RBD6042	M60.4KOHM, F, 1/10W	1	PAVCSG
	R16851	DOGB474JA041	M 470KOHM, J, 1/10W	1	
	R16852	DOGB474JA041	M 470KOHM, J, 1/10W	1	
	R16860	ERG2FNJS8R2E	M 8.2 OHM, J, 2W	1	
	R16870	ERJ14YJ683	M 68KOHM, 1/2W	1	
	R16873	ERA6YEB242	M 24KOHM, 1/10W	1	
	R16891	D1BF6982A058	M 6.98KOHM, 1/10W	1	
	R16892	D1BF8252A058	M 8.25KOHM, 1/10W	1	
	R16893	D1BF8252A058	M 8.25KOHM, 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R16897	ERJ6ENF2611	M2.61KOHM, 1/10W	1	
	R16899	ERJ6ENF3011	M3.01KOHM, 1/10W	1	
	R16904	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
	R16920	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16921	ERJ6ENF1541	M1.54KOHM, 1/10W	1	
	R16922	ERJ6ENF4021	M4.02KOHM, 1/10W	1	
	R16923	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16926	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R16927	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
	R16928	ERJ6GEYJ472V	M 4.7K OHM J 1/10W	1	
	R16929	ERJT08J1ROV	M 1.8OHM,J,0.33W	1	
	R16930	D1BF2R70A021	M 2.7 OHM, 1/10W	1	
	R16931	D1BF2R70A021	M 2.7 OHM, 1/10W	1	
	R16932	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
	R16933	D1BB1002A055	M 10KOHM, 1/10W	1	
	R16934	D1BB6801A055	M 6.8KOHM, 1/10W	1	
	R16935	ERJ6GEYJ512	M 5.1KOHM,J,1/10W	1	
	R16936	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R16937	D0GB184JA041	M 180KOHM J 1/10W	1	
	R16938	D0GB184JA041	M 180KOHM J 1/10W	1	
	R17101	ERJT08J151V	M150 OHM,F,0.33W	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	
	R17105	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCSG
	R17106	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17107	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17108	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCSG
	R17109	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17110	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCSG
	R17111	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17112	ERJT14J1ROU	C1.0 OHM, J,1/4W	1	
	R17113	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17115	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCSG
	R17116	ERJT14J1ROU	C1.0 OHM, J,1/4W	1	
	R17118	ERJT14J1ROU	C1.0 OHM, J,1/4W	1	
	R17120	ERJT14J1ROU	C1.0 OHM, J,1/4W	1	
	R17124	D0GB470JA041	M 47 OHM,J,1/10W	1	
	R17125	EXB38V470J	RESISTOR ARRAY	1	
	R17126	D0GB681JA041	M 680 OHM,J,1/10W	1	
	R17127	EXB38V681J	RESISTOR ARRAY	1	
	R17128	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R17129	ERJ6GEYJ224	M 22KOHM,J,1/10W	1	
	R17130	ERJ6GEY0R00V	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	
	R17203	EXB38V681J	RESISTOR ARRAY	1	
	R17204	D0GB681JA041	M 680 OHM,J,1/10W	1	
	R17205	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17206	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17207	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCSG

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R17208	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17209	EXB38V470J	RESISTOR ARRAY	1	
	R17210	D0GB470JA041	M 47 OHM,J,1/10W	1	
	R17211	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17212	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCSG
	R17213	ERJT14J1ROU	C1.0 OHM, J,1/4W	1	
	R17215	ERJT14J1ROU	C1.0 OHM, J,1/4W	1	
	R17217	EXB38V681J	RESISTOR ARRAY	1	
	R17218	EXB38V470J	RESISTOR ARRAY	1	
	R17219	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	R17220	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17221	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17222	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCSG
	R17223	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17224	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17225	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCSG
	R17226	ERJ6GEYJ224	M 22KOHM,J,1/10W	1	
	R17227	ERJT14J1ROU	C1.0 OHM, J,1/4W	1	
	R17229	ERJT14J1ROU	C1.0 OHM, J,1/4W	1	
	R17231	ERJT08J151V	M150 OHM,F,0.33W	1	
	R17232	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	R17233	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	RM2510	B3RAD0000168	REMOTE SENSOR	1	
	SC2	K1KY02B00012	2P CONNECTOR	1	
	SC3	K1KA03A00596	3P CONNECTOR	1	
	SC20	K1MY30BA0345	30P CONNECTOR	1	PAVCSG
	SC41	K1KA09AA0707	9P CONNECTOR	1	
	SC42	K1KA09AA0707	9P CONNECTOR	1	
	SC46	K1KA09AA0707	9P CONNECTOR	1	
	SC50	K1KA02AA0193	2P CONNECTOR	1	
	SN2510	B3JB00000078	IC	1	PAVCSG
	SS3	K1KY03BA0236	3P CONNECTOR	1	
	SS11	K1KY03B000006	3P CONNECTOR	1	
	SS23	K1KY06AA0719	6P CONNECTOR	1	
	SS52	K1MY13BA0376	13P CONNECTOR	1	PAVCSG
	SS55	K1MY13BA0376	13P CONNECTOR	1	PAVCSG
	SW001	K0F122A000031	SWITCH	1	
	SW3759	K0H1BA0000445	SWITCH	1	
	SW3762	K0H1BA0000445	SWITCH	1	
	SW3763	K0H1BA0000445	SWITCH	1	
	SW3764	K0H1BA0000445	SWITCH	1	
	SW3765	K0H1BA0000445	SWITCH	1	
	T16471	G4DYA0000201	TRANSFORMER	1	PAVCSG
	△ TU8301	ENG39F02GF	TUNER	1	PAVCSG
	X8000	H0J2505000094	CRYSTAL	1	PAVCSG
	X9000	H2D1005000004	CRYSTAL	1	
	X9300	H0J2005000076	CRYSTAL	1	
	ZA001	K4CD01000011	AV TERMINAL	1	
	ZA002	K4CD01000011	AV TERMINAL	1	
	ZA4701	K4AZ01D000004	TERMINAL	1	
	ZA4702	K4AZ01D000004	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	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	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	