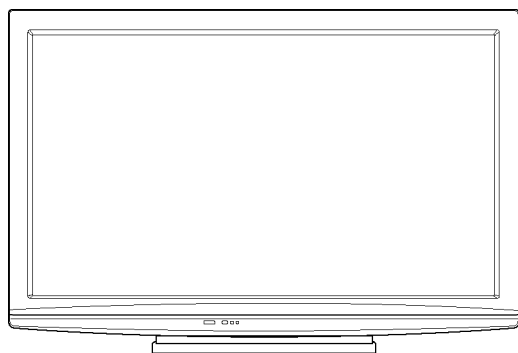


# Service Manual

Plasma Television

Model No. **TH-P54S20M**  
**TH-P54S20P**

GPF13DA Chassis



## **WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

## **IMPORTANT SAFETY NOTICE**

There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

# TABLE OF CONTENTS

|                                                                                                 | PAGE      |
|-------------------------------------------------------------------------------------------------|-----------|
| <b>1 Safety Precautions</b>                                                                     | <b>3</b>  |
| 1.1. General Guidelines                                                                         | 3         |
| 1.2. Touch-Current Check                                                                        | 3         |
| <b>2 Warning</b>                                                                                | <b>4</b>  |
| 2.1. Prevention of Electrostatic Discharge (ESD)<br>to Electrostatically Sensitive (ES) Devices | 4         |
| 2.2. About lead free solder (PbF)                                                               | 5         |
| <b>3 Service Navigation</b>                                                                     | <b>6</b>  |
| 3.1. PCB Layout                                                                                 | 6         |
| 3.2. Applicable signals                                                                         | 7         |
| <b>4 Specifications</b>                                                                         | <b>8</b>  |
| <b>5 Service Mode</b>                                                                           | <b>10</b> |
| 5.1. How to enter into Service Mode                                                             | 10        |
| 5.2. Option - Mirror                                                                            | 12        |
| 5.3. Service tool mode                                                                          | 12        |
| 5.4. Hotel mode                                                                                 | 13        |
| 5.5. Data Copy by SD Card                                                                       | 14        |
| <b>6 Troubleshooting Guide</b>                                                                  | <b>17</b> |
| 6.1. Check of the IIC bus lines                                                                 | 17        |
| 6.2. Power LED Blinking timing chart                                                            | 18        |
| 6.3. No Power                                                                                   | 19        |
| 6.4. No Picture                                                                                 | 20        |
| 6.5. Local screen failure                                                                       | 21        |
| <b>7 Service Fixture &amp; Tools</b>                                                            | <b>22</b> |
| 7.1. SC jig                                                                                     | 22        |
| <b>8 Disassembly and Assembly Instructions</b>                                                  | <b>23</b> |
| 8.1. Remove the Rear cover                                                                      | 23        |
| 8.2. Remove the AC inlet                                                                        | 23        |
| 8.3. Remove the P-Board                                                                         | 23        |
| 8.4. Remove the Side terminal cover and the Side<br>shield metal                                | 23        |
| 8.5. Remove the Tuner unit                                                                      | 24        |
| 8.6. Remove the A-Board                                                                         | 24        |
| 8.7. Remove the Speakers                                                                        | 24        |
| 8.8. Remove the SU-Board                                                                        | 24        |
| 8.9. Remove the SD-Board                                                                        | 25        |
| 8.10. Remove the SC-Board                                                                       | 25        |
| 8.11. Remove the SS2-Board                                                                      | 25        |
| 8.12. Remove the SS-Board                                                                       | 25        |
| 8.13. Remove the Hanger metals and the Stand<br>brackets                                        | 26        |
| 8.14. Remove the C1-Board                                                                       | 26        |
| 8.15. Remove the C2-Board                                                                       | 26        |
| 8.16. Remove the C3-Board                                                                       | 26        |
| 8.17. Remove the S-Board                                                                        | 27        |
| 8.18. Remove the Plasma panel section from the<br>Cabinet assy (glass)                          | 27        |
| 8.19. Remove the Glass holders                                                                  | 28        |
| 8.20. Remove the K-Board                                                                        | 28        |
| 8.21. Replace the plasma panel                                                                  | 28        |
| <b>9 Measurements and Adjustments</b>                                                           | <b>29</b> |
| 9.1. Adjustment                                                                                 | 29        |
| <b>10 Block Diagram</b>                                                                         | <b>33</b> |
| 10.1. Main Block Diagram                                                                        | 33        |
| 10.2. Block (1/4) Diagram                                                                       | 34        |
| 10.3. Block (2/4) Diagram                                                                       | 35        |
| 10.4. Block (3/4) Diagram                                                                       | 36        |
| 10.5. Block (4/4) Diagram                                                                       | 37        |

|                                                              | PAGE      |
|--------------------------------------------------------------|-----------|
| <b>11 Wiring Connection Diagram</b>                          | <b>39</b> |
| 11.1. Caution statement.                                     | 39        |
| 11.2. Wiring (1)                                             | 39        |
| 11.3. Wiring (2)                                             | 40        |
| 11.4. Wiring (3)                                             | 41        |
| <b>12 Schematic Diagram</b>                                  | <b>43</b> |
| 12.1. Schematic Diagram Note                                 | 43        |
| 12.2. P-Board (1/3) Schematic Diagram                        | 44        |
| 12.3. P-Board (2/3) Schematic Diagram                        | 45        |
| 12.4. P-Board (3/3) Schematic Diagram                        | 46        |
| 12.5. A-Board (1/19) Schematic Diagram                       | 47        |
| 12.6. A-Board (2/19) Schematic Diagram                       | 48        |
| 12.7. A-Board (3/19) Schematic Diagram                       | 49        |
| 12.8. A-Board (4/19) Schematic Diagram                       | 50        |
| 12.9. A-Board (5/19) Schematic Diagram                       | 51        |
| 12.10. A-Board (6/19) Schematic Diagram                      | 52        |
| 12.11. A-Board (7/19) Schematic Diagram                      | 53        |
| 12.12. A-Board (8/19) Schematic Diagram                      | 54        |
| 12.13. A-Board (9/19) Schematic Diagram                      | 55        |
| 12.14. A-Board (10/19) Schematic Diagram                     | 56        |
| 12.15. A-Board (11/19) Schematic Diagram                     | 57        |
| 12.16. A-Board (12/19) Schematic Diagram                     | 58        |
| 12.17. A-Board (13/19) Schematic Diagram                     | 59        |
| 12.18. A-Board (14/19) Schematic Diagram                     | 60        |
| 12.19. A-Board (15/19) Schematic Diagram                     | 61        |
| 12.20. A-Board (16/19) Schematic Diagram                     | 62        |
| 12.21. A-Board (17/19) Schematic Diagram                     | 63        |
| 12.22. A-Board (18/19) Schematic Diagram                     | 64        |
| 12.23. A-Board (19/19) Schematic Diagram                     | 65        |
| 12.24. K-Board and S-Board Schematic Diagram                 | 66        |
| 12.25. C1-Board Schematic Diagram                            | 67        |
| 12.26. C2-Board (1/2) Schematic Diagram                      | 68        |
| 12.27. C2-Board (2/2) Schematic Diagram                      | 69        |
| 12.28. C3-Board (1/2) Schematic Diagram                      | 70        |
| 12.29. C3-Board (2/2) Schematic Diagram                      | 71        |
| 12.30. SC-Board (1/4) Schematic Diagram                      | 72        |
| 12.31. SC-Board (2/4) Schematic Diagram                      | 73        |
| 12.32. SC-Board (3/4) Schematic Diagram                      | 74        |
| 12.33. SC-Board (4/4) Schematic Diagram                      | 75        |
| 12.34. SS-Board (1/2) Schematic Diagram                      | 76        |
| 12.35. SS-Board (2/2) and SS2-Board Schematic<br>Diagram     | 77        |
| <b>13 Printed Circuit Board</b>                              | <b>78</b> |
| 13.1. P-Board                                                | 78        |
| 13.2. K, S and SS2-Board                                     | 81        |
| 13.3. A-Board                                                | 82        |
| 13.4. C1-Board                                               | 84        |
| 13.5. C2-Board                                               | 85        |
| 13.6. C3-Board                                               | 86        |
| 13.7. SC-Board                                               | 87        |
| 13.8. SS-Board                                               | 89        |
| <b>14 Exploded View and Replacement Parts List</b>           | <b>91</b> |
| 14.1. Exploded View and Mechanical Replacement<br>Parts List | 91        |
| 14.2. Electrical Replacement Parts List                      | 97        |

# 1 Safety Precautions

## 1.1. General Guidelines

1. When conducting repairs and servicing, do not attempt to modify the equipment, its parts or its materials.
2. When wiring units (with cables, flexible cables or lead wires) are supplied as repair parts and only one wire or some of the wires have been broken or disconnected, do not attempt to repair or re-wire the units. Replace the entire wiring unit instead.
3. When conducting repairs and servicing, do not twist the Fasten connectors but plug them straight in or unplug them straight out.
4. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
5. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
6. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

## 1.2. Touch-Current Check

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

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

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

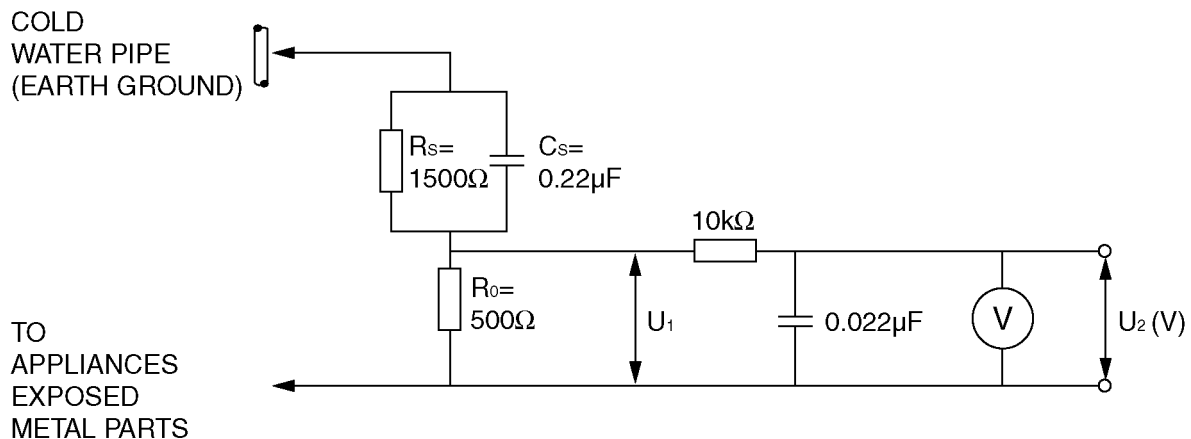
**Note:**

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

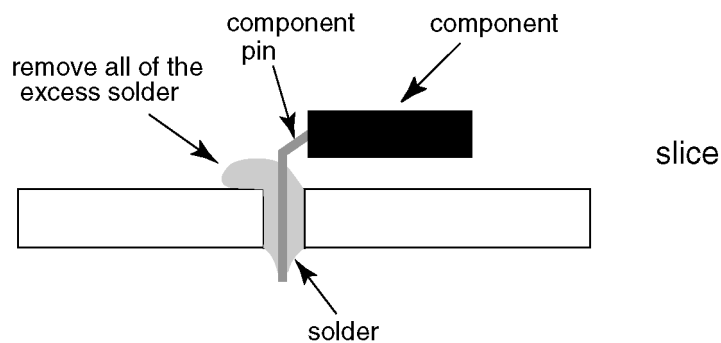
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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.

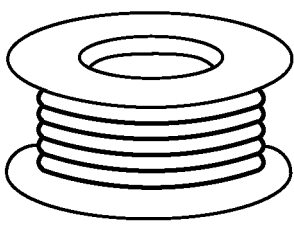
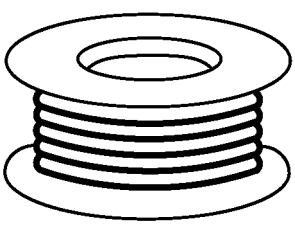
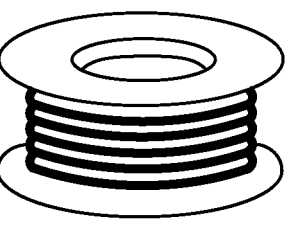
### Caution

- 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  $700 \pm 20$  °F ( $370 \pm 10$  °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).  
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



### Suggested Pb free solder

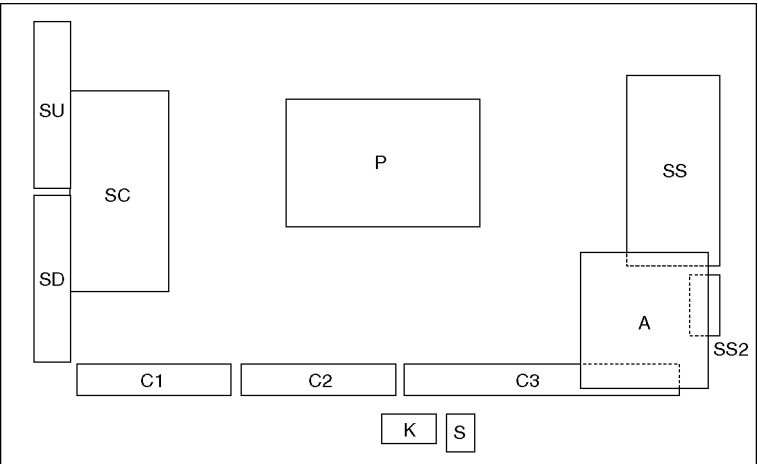
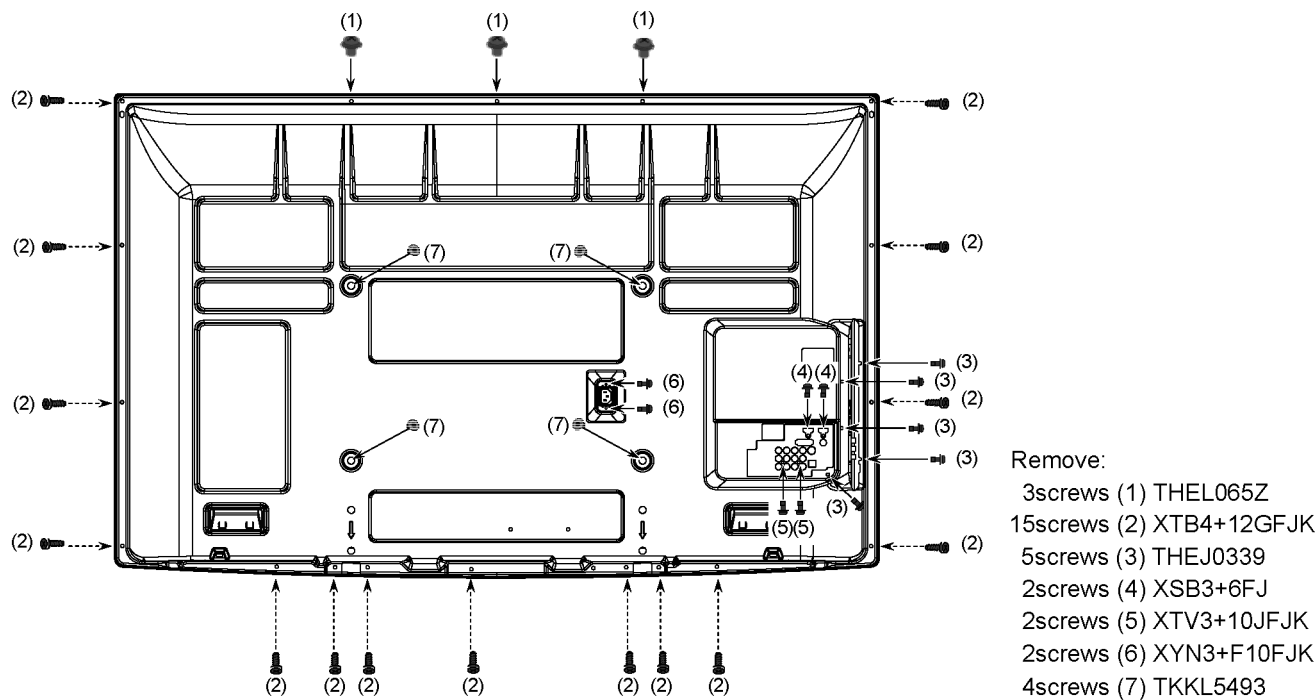
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

| 0.3mm X 100g                                                                        | 0.6mm X 100g                                                                        | 1.0mm X 100g                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |  |

# 3 Service Navigation

## 3.1. PCB Layout

Remove the Rear cover



| Board Name | Function                                                                                                                                                                  | Board Name | Function                                                                          |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|
| P          | Power Supply                                                                                                                                                              | C1         | Data Driver (Lower Right)                                                         |
| A          | DC-DC Converter, Tuner<br>Speaker out, AV Terminal, HDMI in, SD Card<br>Digital Signal Processor, PEAKS<br>Format Converter, Plasma AI, Sub-Field Processor<br>Key Switch | C2         | Data Driver (Lower Center)                                                        |
|            |                                                                                                                                                                           | C3         | Data Driver (Lower Left)                                                          |
|            |                                                                                                                                                                           | SC         | Scan Drive                                                                        |
|            |                                                                                                                                                                           | SS         | Sustain Drive                                                                     |
|            |                                                                                                                                                                           | SS2        | Sustain out (Lower)                                                               |
| K          | Remote receiver, Power LED, C.A.T.S sensor                                                                                                                                | SU         | Scan out (Upper)<br>Non-serviceable.<br>SU-Board should be exchanged for service. |
| S          | Power Switch                                                                                                                                                              | SD         | Scan out (Lower)<br>Non-serviceable.<br>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 × 400 @70 Hz           | 31.47                      | 70.07                   |
| 640 × 480 @60 Hz           | 31.47                      | 59.94                   |
| 640 × 480 @75 Hz           | 37.50                      | 75.00                   |
| 800 × 600 @60 Hz           | 37.88                      | 60.32                   |
| 800 × 600 @75 Hz           | 46.88                      | 75.00                   |
| 800 × 600 @85 Hz           | 53.67                      | 85.06                   |
| 852 × 480 @60 Hz           | 31.44                      | 59.89                   |
| 1,024 × 768 @60 Hz         | 48.36                      | 60.00                   |
| 1,024 × 768 @70 Hz         | 56.48                      | 70.07                   |
| 1,024 × 768 @75 Hz         | 60.02                      | 75.03                   |
| 1,024 × 768 @85 Hz         | 68.68                      | 85.00                   |
| 1,280 × 1,024 @60 Hz       | 63.98                      | 60.02                   |
| 1,280 × 768 @60 Hz         | 47.70                      | 60.00                   |
| 1,366 × 768 @60 Hz         | 48.39                      | 60.04                   |
| Macintosh13" (640 × 480)   | 35.00                      | 66.67                   |
| Macintosh16" (832 × 624)   | 49.73                      | 74.55                   |
| Macintosh21" (1,152 × 870) | 68.68                      | 75.06                   |

### PC (from HDMI terminal)

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

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

### Note

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

## 4 Specifications

**Power Source** AC 220-240 V, 50 / 60 Hz (M) AC 110-240 V, 50/60 Hz (P)

### Power Consumption

**Average use** 435 W (M) 450 W (P)

**Standby condition** 0.4 W

### Display panel

**Aspect Ratio** 16:9

**Visible screen size** 137 cm (diagonal)

1,198 mm (W) × 673 mm (H)

**Number of pixels** 2,073,600 (1,920 (W) × 1,080 (H)) [5,760 × 1,080 dots]

### Sound

**Speaker** 160 mm × 40 mm × 2 pcs, 6 Ω

**Audio Output** 20 W ( 10 W + 10 W )

**Headphones** M3 (3.5 mm) stereo mini Jack × 1

### PC signals

VGA, SVGA, WVGA, XGA

SXGA, WXGA ..... (compressed)

Horizontal scanning frequency 31 - 69 kHz

Vertical scanning frequency 59 - 86 Hz

### Receiving Systems / Band name

| 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            |                                                                                      | 14 SECAM I           |                                                             |
| (NTSC 3.58/4.5 MHz) |                                                                                      | 15 PAL 60 Hz/5.5 MHz | Playback from Special Disc Players and Special VCR's or DVD |
|                     |                                                                                      | 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

**AUDIO L - R**

RCA PIN Type × 2

0.5 V [rms]

**VIDEO**

RCA PIN Type × 1

1.0 V [p-p] (75 Ω)

**COMPONENT**

Y

1.0 V [p-p] (including synchronization)

P<sub>B</sub>/C<sub>B</sub>, P<sub>R</sub>/C<sub>R</sub>

± 0.35 V [p-p]

#### AV2 Input

**AUDIO L - R**

RCA PIN Type × 2

0.5 V [rms]

**VIDEO**

RCA PIN Type × 1

1.0 V [p-p] (75 Ω)

#### AV3 Input

**AUDIO L - R**

RCA PIN Type × 2

0.5 V [rms]

**VIDEO**

RCA PIN Type × 1

1.0 V [p-p] (75 Ω)

#### Monitor Output

**AUDIO L - R**

RCA PIN Type × 2

0.5 V [rms] (high impedance)

**VIDEO**

RCA PIN Type × 1

1.0 V [p-p] (75 Ω)

#### Others

**HDMI1 - 3 Input**

TYPE A Connectors

• This TV supports [HDAVI control 5] function.

**PC Input**

HIGH-DENSITY D-SUB 15PIN

R / G / B: 0.7 V [p-p] (75 Ω)

HD / VD: TTL Level 2.0 - 5.0 V [p-p] (high impedance)

**DIGITAL AUDIO OUT**

PCM / Dolby Digital, Fiber optic

**Card slot**

SD Card slot × 1

**USB**

USB 2.0 Type A connector

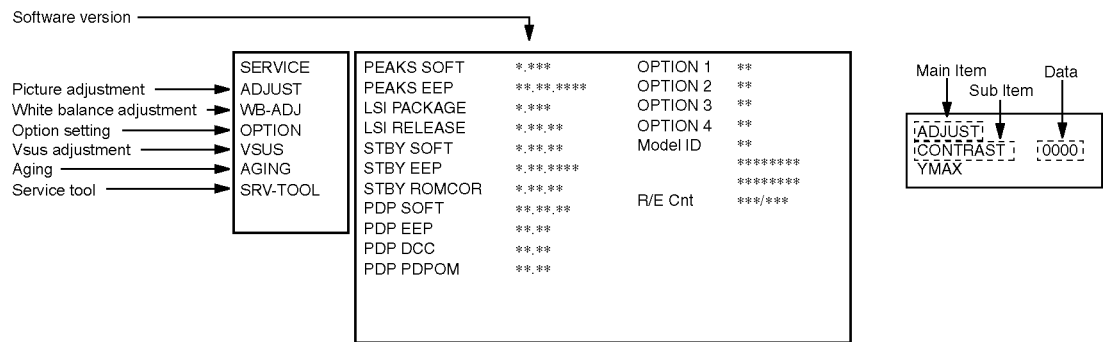
DC 5V, Max 500 mA

|                               |                                                                                                                                                              |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions (W × H × D)</b> | 1,313 mm × 882 mm × 387 mm (With Pedestal)<br>1,313 mm × 832 mm × 94 mm (TV only)                                                                            |
| <b>Mass</b>                   | 38.0 kg Net (With Pedestal)<br>35.0 kg Net (TV only)                                                                                                         |
| <b>Note</b>                   | <ul style="list-style-type: none"><li>• Design and Specifications are subject to change without notice. Mass and Dimensions shown are approximate.</li></ul> |

# 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                          | 23A           |                                             |
|           | COLOR                             | 2B            |                                             |
|           | TINT                              | 00            |                                             |
|           | SUB-BRT                           | 80C           |                                             |
|           | H-POS                             | 0             |                                             |
|           | H-AMP                             | 0             |                                             |
|           | V-POS                             | 0             |                                             |
|           | V-AMP                             | 0             |                                             |
| WB-ADJ    | R-CUT                             | 80            |                                             |
|           | G-CUT                             | 80            |                                             |
|           | B-CUT                             | 80            |                                             |
|           | R-DRV                             | F1            |                                             |
|           | G-DRV                             | FC            |                                             |
|           | B-DRV                             | D0            |                                             |
|           | ALL-CUT                           | 80            |                                             |
|           | ALL-DRV                           | FC            |                                             |
| OPTION    | Panel-Type                        | 54FHD         | Factory<br>Preset                           |
|           | Boot                              | ROM           |                                             |
|           | STBY-SET                          | 00            |                                             |
|           | EMERGENCY                         | ON            |                                             |
|           | Y/C Delay                         |               |                                             |
|           | OPT 1                             | 10001000      |                                             |
|           | OPT 2                             | 00100010      |                                             |
|           | OPT 3                             | 00000101      |                                             |
|           | OPT 4                             | 00010000      |                                             |
|           | EDID-CLK                          | HIGH          |                                             |
|           | MIRROR                            | 00 (See next) |                                             |
| VSUS      |                                   |               |                                             |
| AGING     | ALL WHITE                         |               | Built-in test patterns can<br>be displayed. |
|           | ALL BLUE WITH WHITE OUTSIDE FRAME |               |                                             |
|           | ALL GREEN                         |               |                                             |
|           | ALL RED                           |               |                                             |
|           | LOW STEP WHITE                    |               |                                             |
|           | LOW STEP BLUE                     |               |                                             |
|           | LOW STEP GREEN                    |               |                                             |
|           | LOW STEP RED                      |               |                                             |
|           | WHITE DIAGONAL STRIPE             |               |                                             |
|           | RED DIAGONAL STRIPE               |               |                                             |
|           | GREEN DIAGONAL STRIPE             |               |                                             |
|           | BLUE DIAGONAL STRIPE              |               |                                             |
|           | A-ZONE & B-ZONE                   |               |                                             |
|           | 1% WINDOW                         |               |                                             |
|           | COLOR BAR                         |               |                                             |
|           | 9 POINTS BRIGHT MEASURE           |               |                                             |
|           | 2 DOT OUTSIDE FRAME               |               |                                             |
|           | ALL BLUE                          |               |                                             |
|           | DOUBLE FIXED 1% WINDOW            |               |                                             |
|           | VERTICAL LINE SCROLL              |               |                                             |
|           | ON/OFF OR WHITE                   |               |                                             |
|           | R/G/B/W ROTATION                  |               |                                             |
|           | HALF FIXED ALL WHITE              |               |                                             |
|           | ALL WHITE WITH COUNT DISPLAY      |               |                                             |
| SRV-TOOL  |                                   |               | see next                                    |

|             |             |        |
|-------------|-------------|--------|
| Destination | M           | P      |
| Check sum   | 0xb17e      | 0xb1ff |
| EDID        | d0 ecdccc-- |        |

### 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                          |                                                                |
|                                   |                                                                |
|                                   |                                                                |
|                                   |                                                                |
| Display of TD2Microcode version → | TD2Microcode:81c0000e                                          |
| Display of Flash ROM maker code → | Flash ROM : 1 - 227E                                           |
| Display of SOS History →          | PTCT : 00 . 00 . 00 . 00 . 00      Time 00000:40      Count 01 |
|                                   |                                                                |

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

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 except 2nd and 1st occurrence after shipment will be cleared by [Self-check indication and forced to factory shipment setting].

5.3.3. POWER ON TIME/COUNT

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

5.3.4. Exit

- 1. Disconnect the AC cord from wall outlet.

## 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



EXIT  
Change  
RETURN

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

Disconnect AC power cord from wall outlet.

### 4. Explain the Hotel mode setup menu

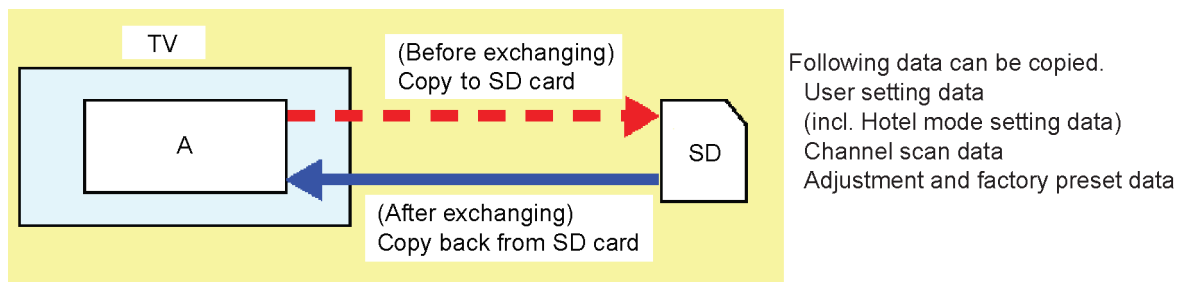
| item              | Function                                                                                                                                                                                                                                                                           |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hotel Mode        | Select hotel mode ON/OFF                                                                                                                                                                                                                                                           |
| Initial INPUT     | Select input signal modes.<br>Set the input, when each time power is switched on.<br>Selection :<br>Off/TV/AV1/AV2/AV3/PC/HDMI1/HDMI2/HDMI3<br>• PC: selectable with VGA option                                                                                                    |
| Initial POS       | Select programme number.<br>Selection :<br>Off/0 to 99<br>• Off: give priority to a last memory                                                                                                                                                                                    |
| Initial VOL level | Adjust the volume when each time power is switched on.<br>Selection/Range :<br>Off/0 to 100<br>• Off: give priority to a last memory                                                                                                                                               |
| Maximum VOL level | Adjust maximum volume.<br>Range :<br>0 to 100                                                                                                                                                                                                                                      |
| Button lock       | Select local key conditions.<br>Selection :<br>Off/SETUP/MENU/ALL<br>• Off: altogether valid<br>• SETUP: only F-key is invalid<br>(Tuning guide (menu) can not be selected.)<br>• MENU: only F-key is invalid<br>(only Volume/Mute can be selected.)<br>• ALL: altogether invalid. |
| Remote lock       | Select remote control key conditions.<br>Selection :<br>Off/SETUP/MENU<br>• Off: altogether valid<br>• SETUP: only Setup menu is invalid<br>• MENU: Picture/Sound/Setup menu are invalid                                                                                           |

## 5.5. Data Copy by SD Card

### 5.5.1. Purpose

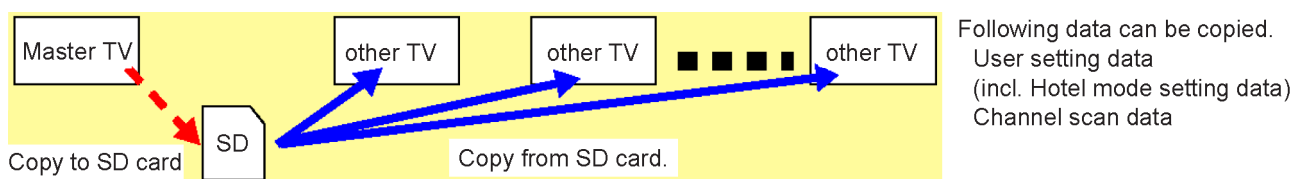
#### (a) Board replacement (Copy the data when exchanging A-board):

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.

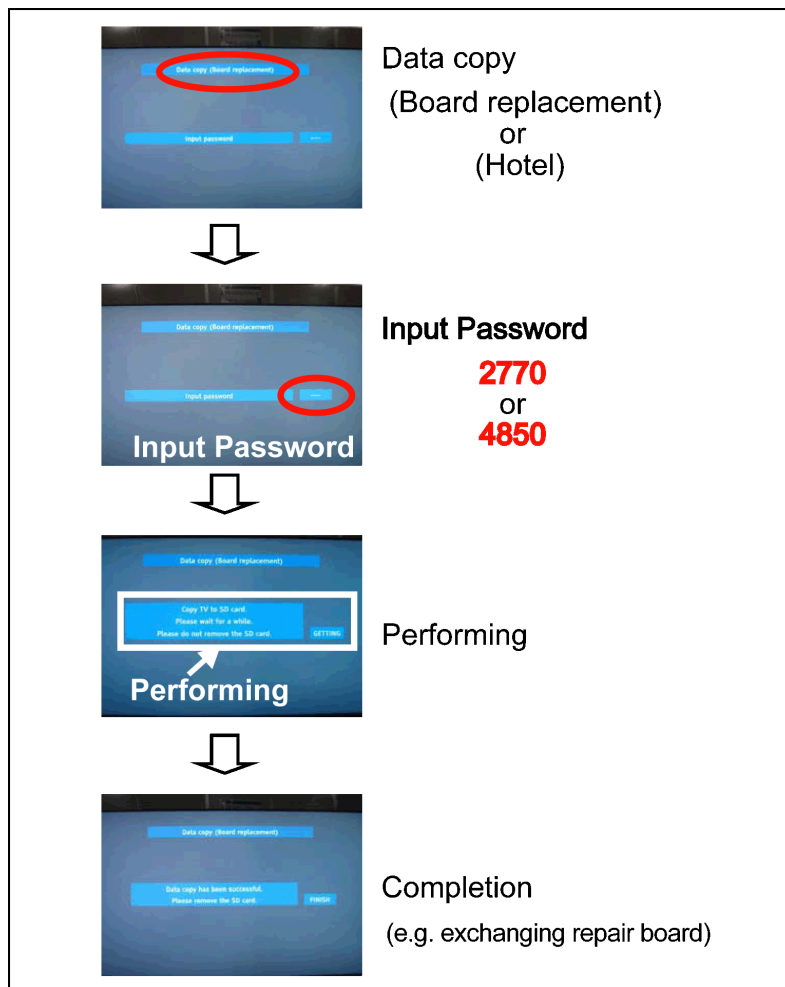
### 5.5.3. Data copy from TV set to SD Card

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

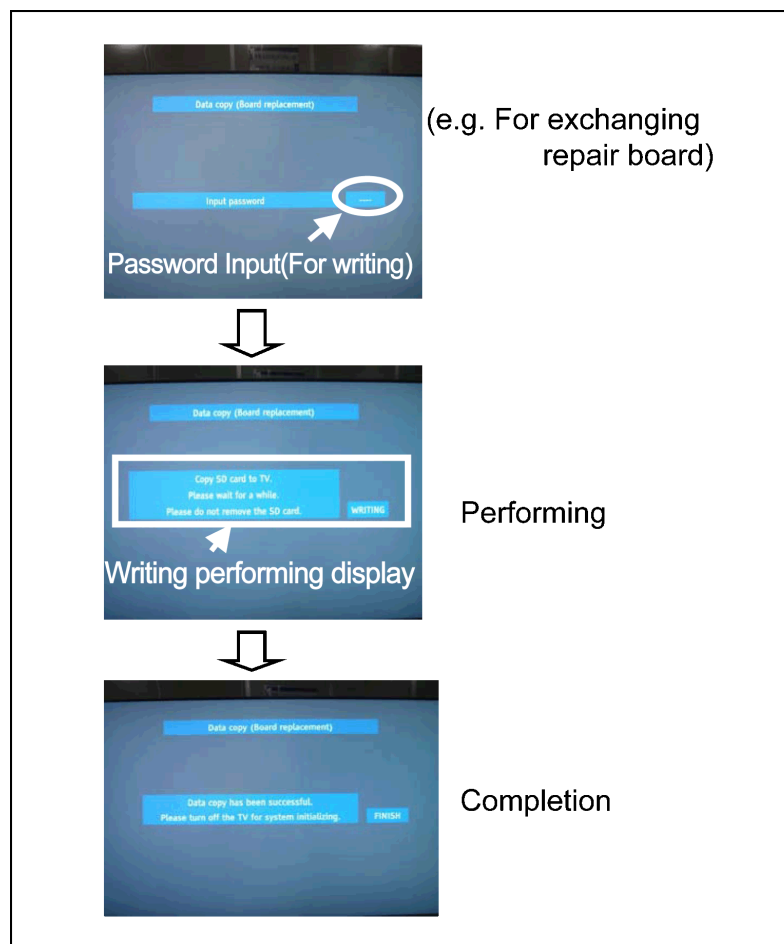


#### 5.5.4. Data copy from SD Card to TV set

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

|              |    |                     |       |
|--------------|----|---------------------|-------|
| 54FHD<br>SET |    | Panasonic 2010 PDP  |       |
|              |    | SELF CHECK COMPLETE |       |
| TUN          | OK | PEAKS-SOFT          | ***** |
| STBY         | OK | PEAKS-EEP           | ***** |
| MEM1         | OK | LSI-PACKAGE         | ***** |
| MEM2         | OK | LSI-RELEASE         | ***** |
| ADAM         | OK | STBY-SOFT           | ***** |
| AVSW         | OK | STBY-EEP            | ***** |
| PDROM        | OK | STBY-ROMCORR        | ***** |
| TEMP         | OK | PDP-MCU             | ***** |
|              |    | PDP-EEP             | ***** |
|              |    | PDP-DCC             | ***** |
|              |    | PDP-PDPOM           | ***** |
|              |    | SUM                 | ***** |
|              |    | Model ID            | ***** |
|              |    | EDID                | ***** |

#### 6.1.3. Check Point

Confirm the following parts if NG was displayed.

| Display | Ref. No. | Description    | P.C.B.  |
|---------|----------|----------------|---------|
| TUN     | TU2901B  | TUNER          | A-Board |
| STBY    | IC8001   | MPU            | A-Board |
| MEM1    | IC1100   | EEPROM (MPU)   | A-Board |
| MEM2    | IC8950   | EEPROM (PEAKS) | A-Board |
| ADAM    | IC8001   | A-chip (PEAKS) | A-Board |
| AVSW    | IC3000   | Audio/Video SW | A-Board |
| PDROM   | IC9300   | PD4H           | A-Board |
| TEMP    | IC1000   | Temp Sensor    | A-Board |

#### 6.1.4. Exit

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

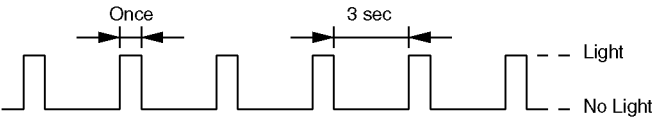
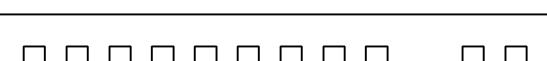
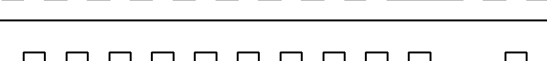
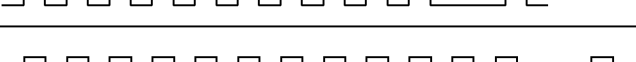
## 6.2. Power LED Blinking timing chart

### 1. Subject

Information of LED Flashing timing chart.

### 2. Contents

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

| Blinking Times | Blinking timing                                                                     | Contents                                                          | Check point                                |
|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------|
| 1              |    | Unknown SOS                                                       | -                                          |
|                |                                                                                     | Panel information SOS<br>PD4 Start SOS                            | -                                          |
| 2              |    | 15V SOS                                                           | A-Board<br>P-Board                         |
| 3              |    | 3.3V SOS                                                          | A-Board                                    |
| 4              |    | Power SOS                                                         | P-Board                                    |
| 5              |    | 5V SOS                                                            | A-Board                                    |
| 6              |  | Driver SOS1<br>(SC Energy recovery circuit)<br>(A-SC FPC DET)     | SC-Board<br>A-SC FPC                       |
| 7              |  | Driver SOS2<br>(SU/SD Connector DET)<br>(SU/SD Scan and Logic IC) | SU-Board<br>SD-Board<br>*                  |
| 8              |  | Driver SOS3<br>(SS FPC DET)<br>(SS Energy recovery circuit)       | SS-Board<br>SS2-Board                      |
| 9              |  | Discharge Control SOS                                             | A-Board                                    |
| 10             |  | Sub 5V SOS<br>Sub 3.3V SOS<br>Sub 9V SOS<br>Tuner Power SOS       | A-Board<br>SS-Board<br>SC-Board<br>P-Board |
| 12             |  | Sound SOS                                                         | A-Board<br>Speaker                         |

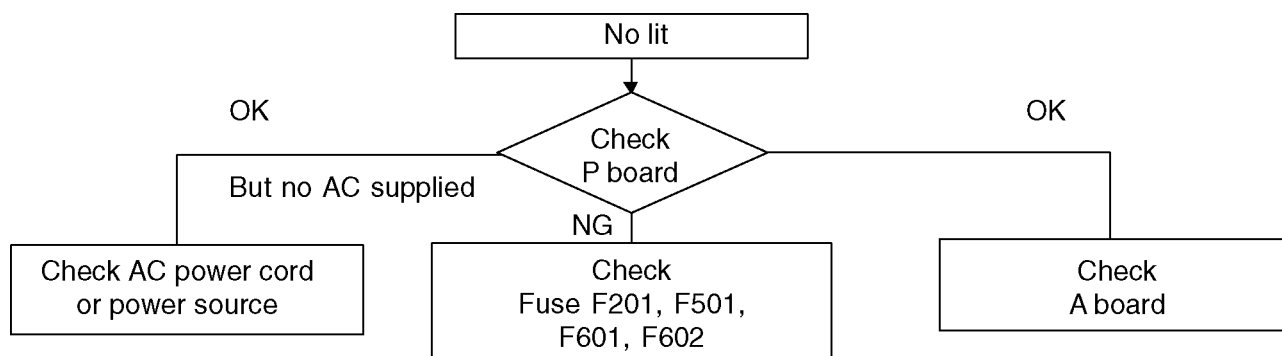
\*Use SC jig to isolate the board.

## 6.3. No Power

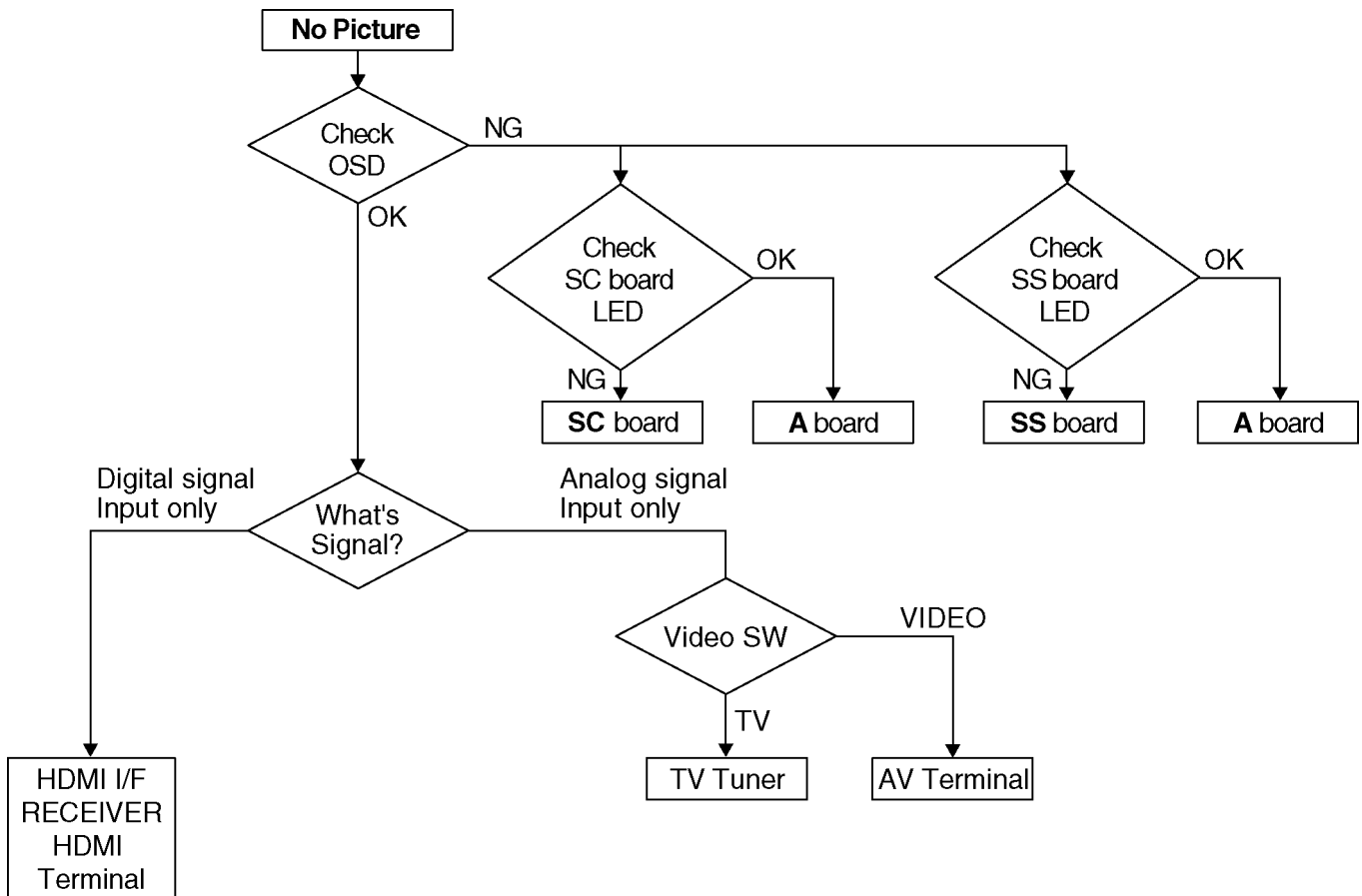
### First check point

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

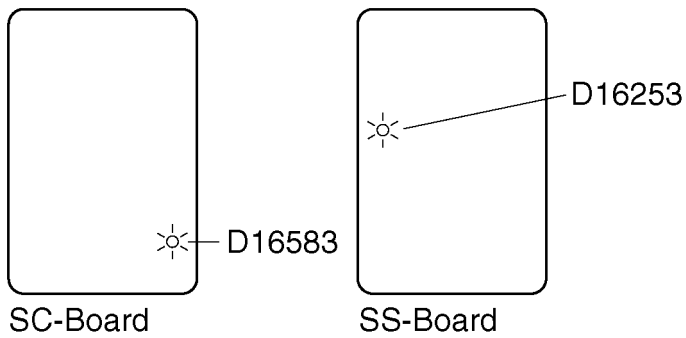
1. No lit.
2. Green is lit then turns red blinking a few seconds later. (See 6.2.)
3. Only red is lit.



## 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.

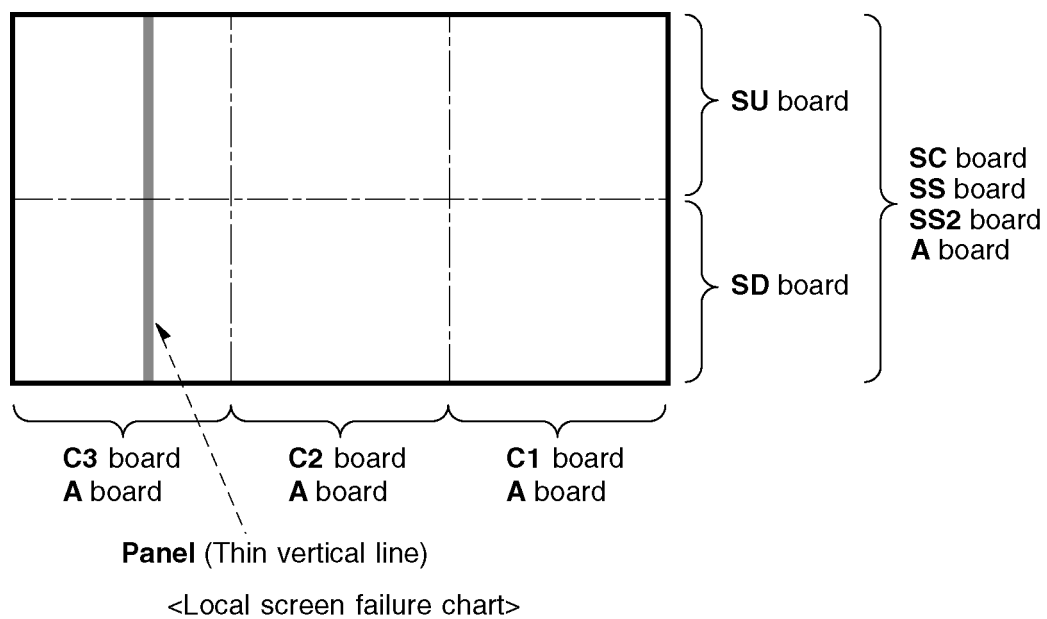


Fig-1

## 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:**

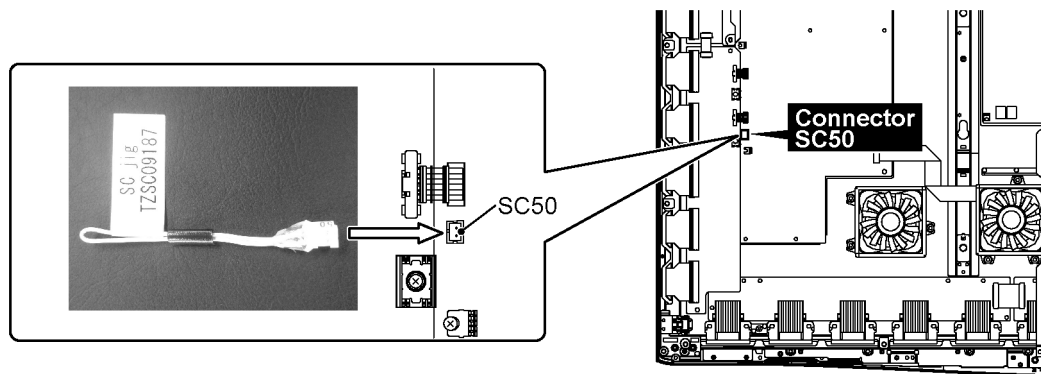
TZSC09187

**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

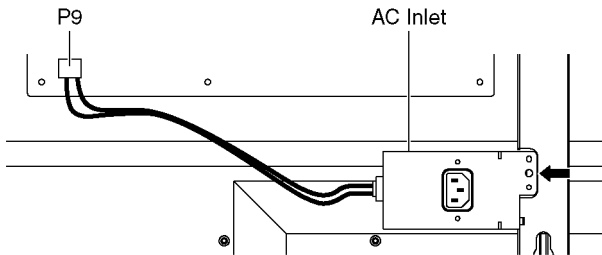
1. See PCB Layout (Section 3)

### 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 claspers to free the cable.
2. Disconnect the connector (P9).
3. Remove the screw (×1 ➡) and remove the AC inlet.

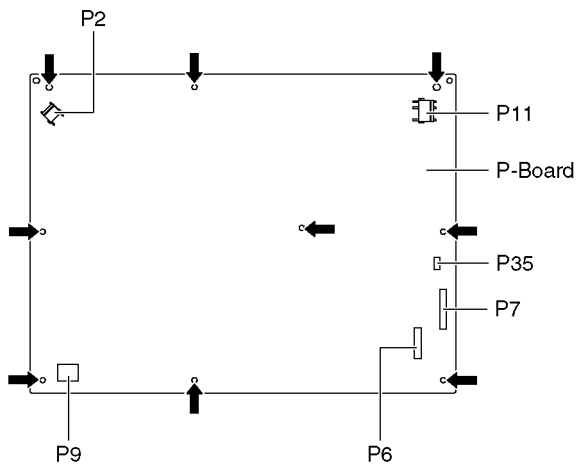


### 8.3. Remove the P-Board

**Caution:**

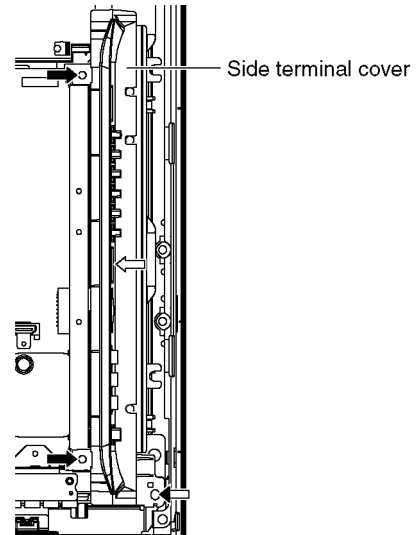
To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

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

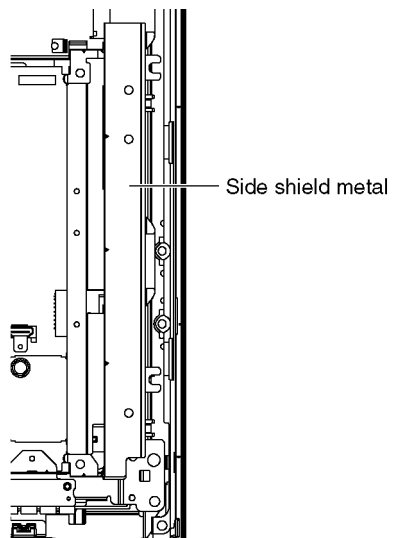


### 8.4. Remove the Side terminal cover and the Side shield metal

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

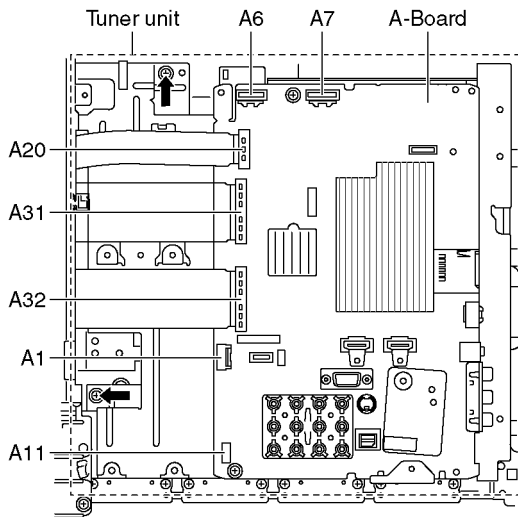


3. Remove the Side shield metal.



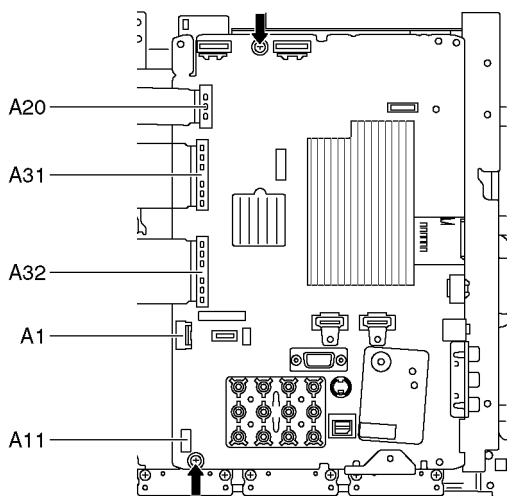
## 8.5. Remove the Tuner unit

1. Remove the Side terminal cover and the Side shield metal. (See section 8.4.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connectors (A1, A6, A7 and A11).
4. Disconnect the flexible cables (A20, A31 and A32).
5. Remove the screws (×2 ➡) and remove the Tuner unit.



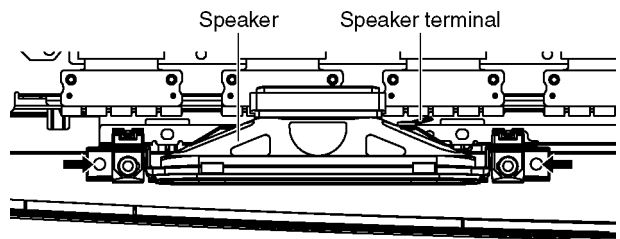
## 8.6. Remove the A-Board

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



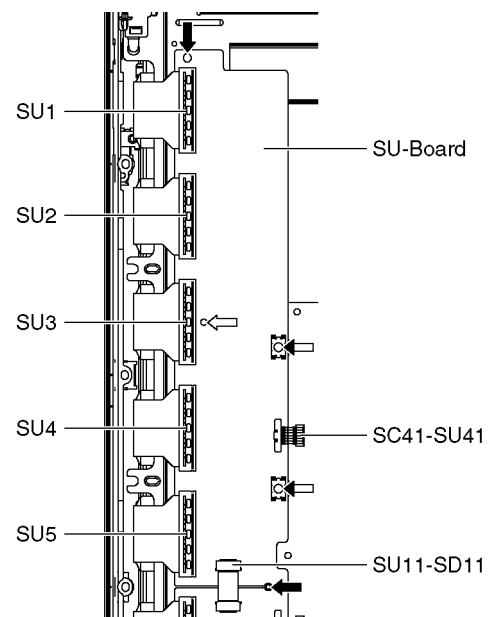
## 8.7. Remove the Speakers

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



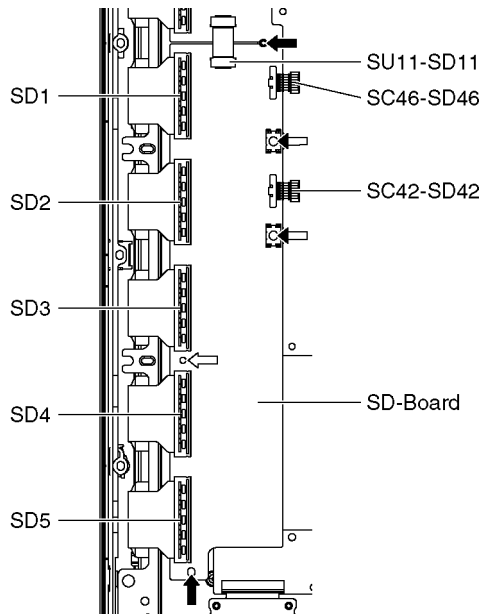
## 8.8. Remove the SU-Board

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



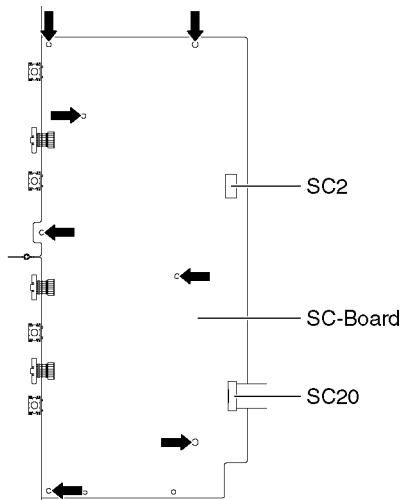
## 8.9. Remove the SD-Board

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



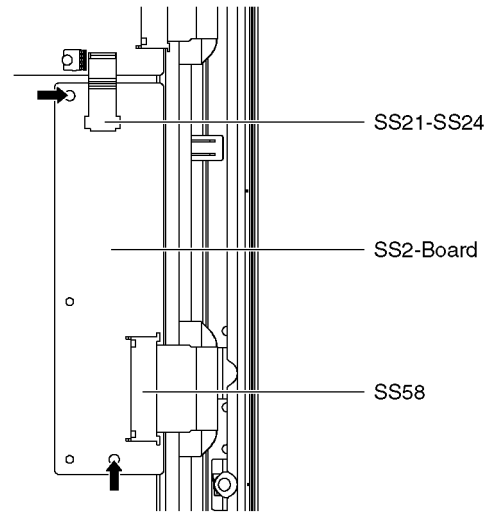
## 8.10. Remove the SC-Board

1. Remove the SU-Board and the SD-Board. (See section 8.8. and 8.9.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connector (SC2).
4. Disconnect the flexible cable (SC20).
5. Remove the screws (×7 ⇨) and remove the SC-Board.



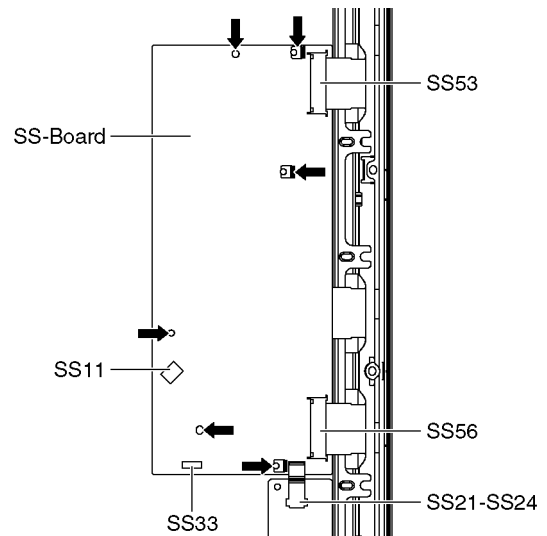
## 8.11. Remove the SS2-Board

1. Remove the Tuner unit. (See section 8.5.)
2. Disconnect the bridge connector (SS21-SS24) and disconnect the flexible cable (SS58).
3. Remove the screws (×2 ⇨) and remove the SS2-Board.



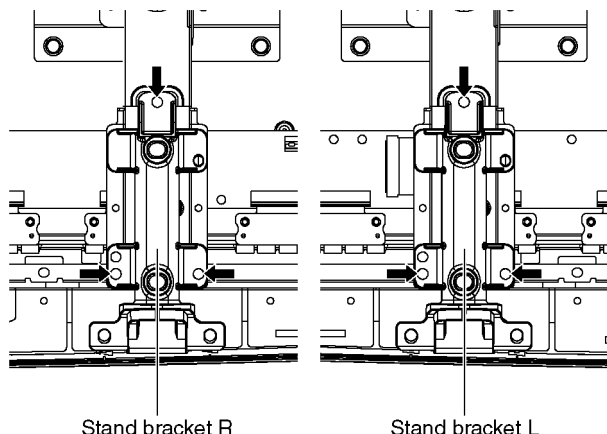
## 8.12. Remove the SS-Board

1. Remove the Tuner unit. (See section 8.5.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connectors (SS11 and SS33).
4. Disconnect the flexible cables (SS53 and SS56).
5. Disconnect the bridge connector (SS21-SS24).
6. Remove the screws (×6 ⇨) and remove the SS-Board.

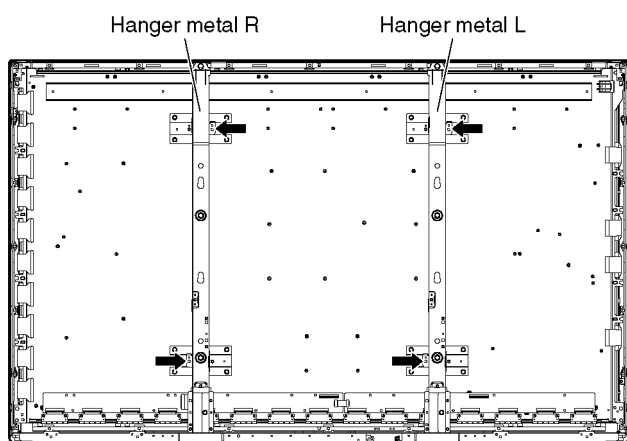


### 8.13. Remove the Hanger metals and the Stand brackets

1. Remove the Plasma panel section from the servicing stand and lay on a flat surface such as a table (covered by a soft cloth) with the Plasma panel surface facing downward.
2. Remove the Stand brackets (L, R) fastening screws (×3 ➡ each) and the Stand brackets (L, R).

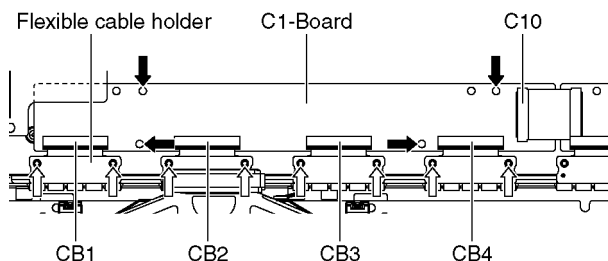


3. Remove the Hanger metals (L, R) fastening screws (×2 ➡ each) and remove the Hanger metals (L, R).



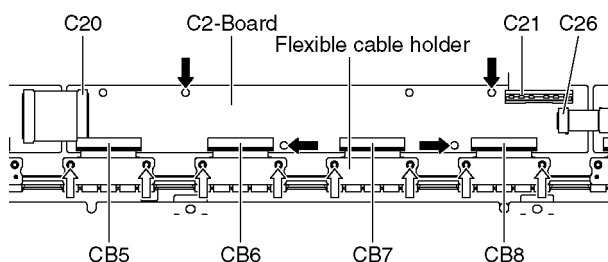
### 8.14. Remove the C1-Board

1. Remove the Hanger metal R. (See section 8.13.)
2. Remove the flexible cable holder fastening screws (×8 ⇨).
3. Disconnect the flexible cables (CB1, CB2, CB3 and CB4).
4. Disconnect the flexible cable (C10).
5. Remove the screws (×4 ➡) and remove the C1-Board.



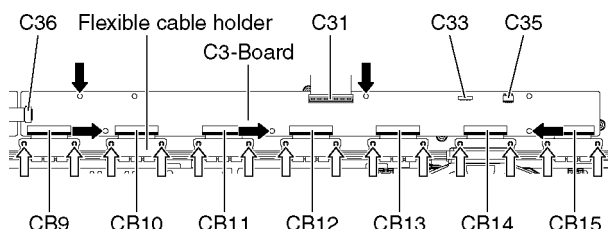
### 8.15. Remove the C2-Board

1. Remove the Hanger metal R. (See section 8.13.)
2. Remove the flexible cable holder fastening screws (×8 ⇨).
3. Disconnect the flexible cables (CB5, CB6, CB7 and CB8).
4. Disconnect the flexible cables (C20, C21 and C26).
5. Remove the screws (×4 ➡) and remove the C2-Board.



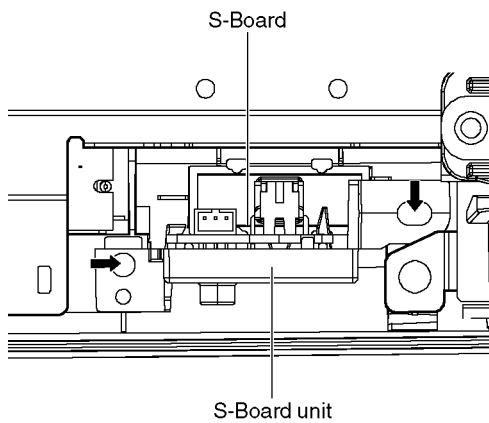
### 8.16. Remove the C3-Board

1. Remove the Hanger metal L. (See section 8.13.)
2. Remove the flexible cable holder fastening screws (×14 ⇨).
3. Disconnect the flexible cables (CB9, CB10, CB11, CB12, CB13, CB14 and CB15).
4. Disconnect the flexible cables (C31 and C36).
5. Disconnect the connectors (C33 and C35).
6. Remove the screws (×5 ➡) and remove the C3-Board.

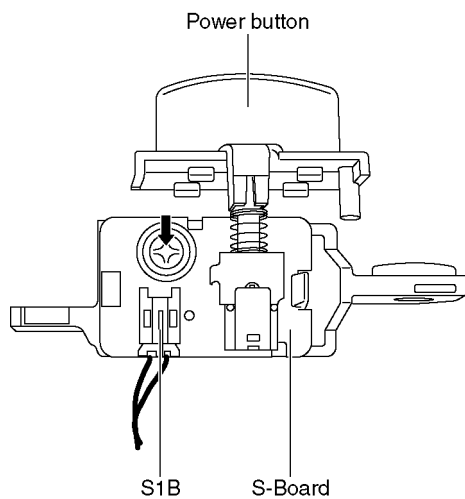


## 8.17. Remove the S-Board

1. Remove the screws (×2 ➡) and remove the S-Board unit.

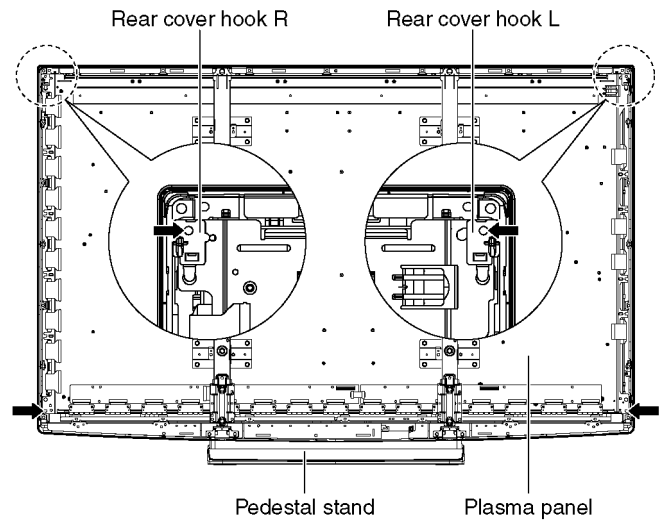


2. Disconnect the connector (S1B).
3. Remove the Power Button.
4. Remove the screw (×1 ➡) and remove the S-Board.

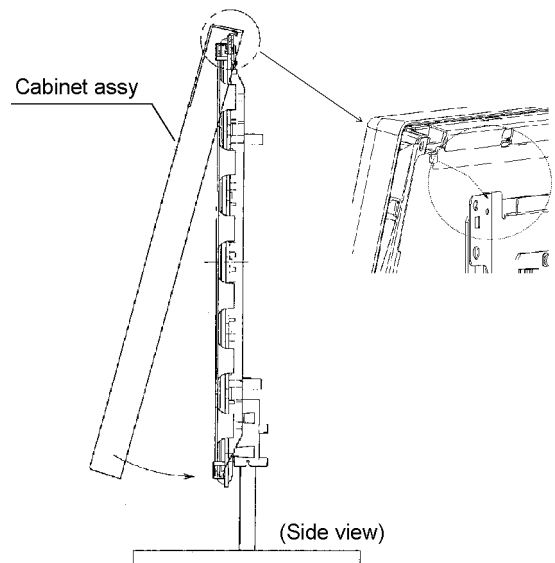


## 8.18. Remove the Plasma panel section from the Cabinet assy (glass)

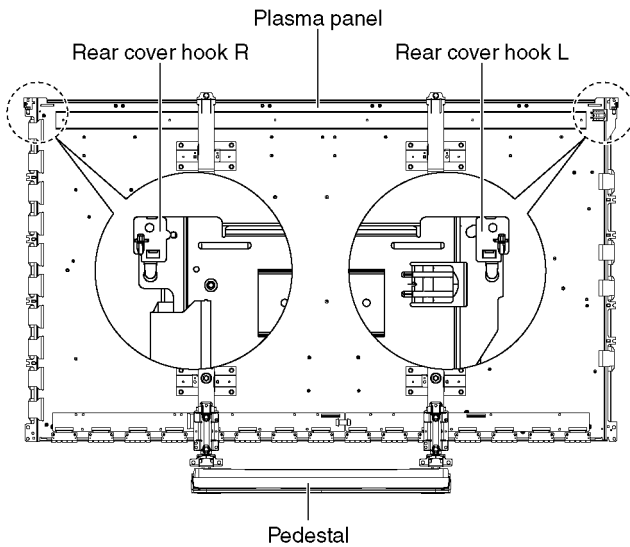
1. Remove the plasma panel fastening screws (×4 ➡) and remove the cabinet assy.



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

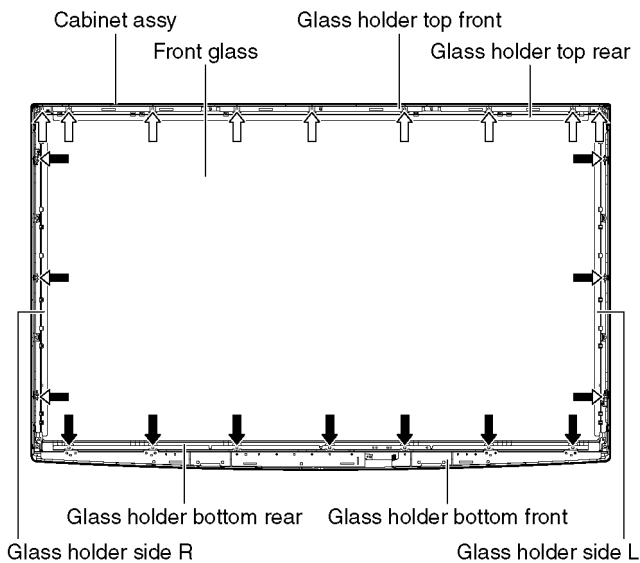


3. Remove the Rear cover hooks (L, R).



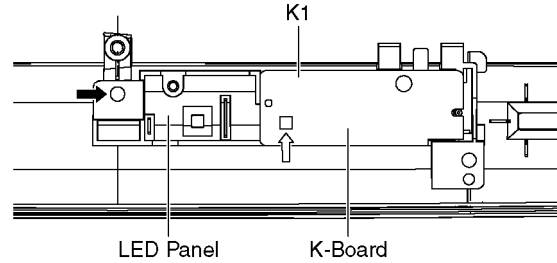
## 8.19. Remove the Glass holders

1. Remove the Cabinet assy. (See section 8.18.)
2. Remove the screws ( $\times 7 \rightarrow$ ).
3. Remove the screws ( $\times 6 \rightarrow$ ).
4. Remove the Glass holder side (L, R).
5. Remove the screws ( $\times 9 \rightarrow$ ).
6. Remove the Glass holder top front.
7. Remove the Glass holder bottom front.



## 8.20. Remove the K-Board

1. Remove the Glass holders. (See section 8.19.)
2. Remove the screw ( $\times 1 \rightarrow$ ).
3. Remove the claw ( $\times 1 \rightarrow$ ).
4. Disconnect the connector (K1) and Remove the K-Board from LED Panel.



## 8.21. 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, C2-Board and the C3-Board, connect the flexible cables from the plasma panel to the C1-Board, C2-Board and the C3-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

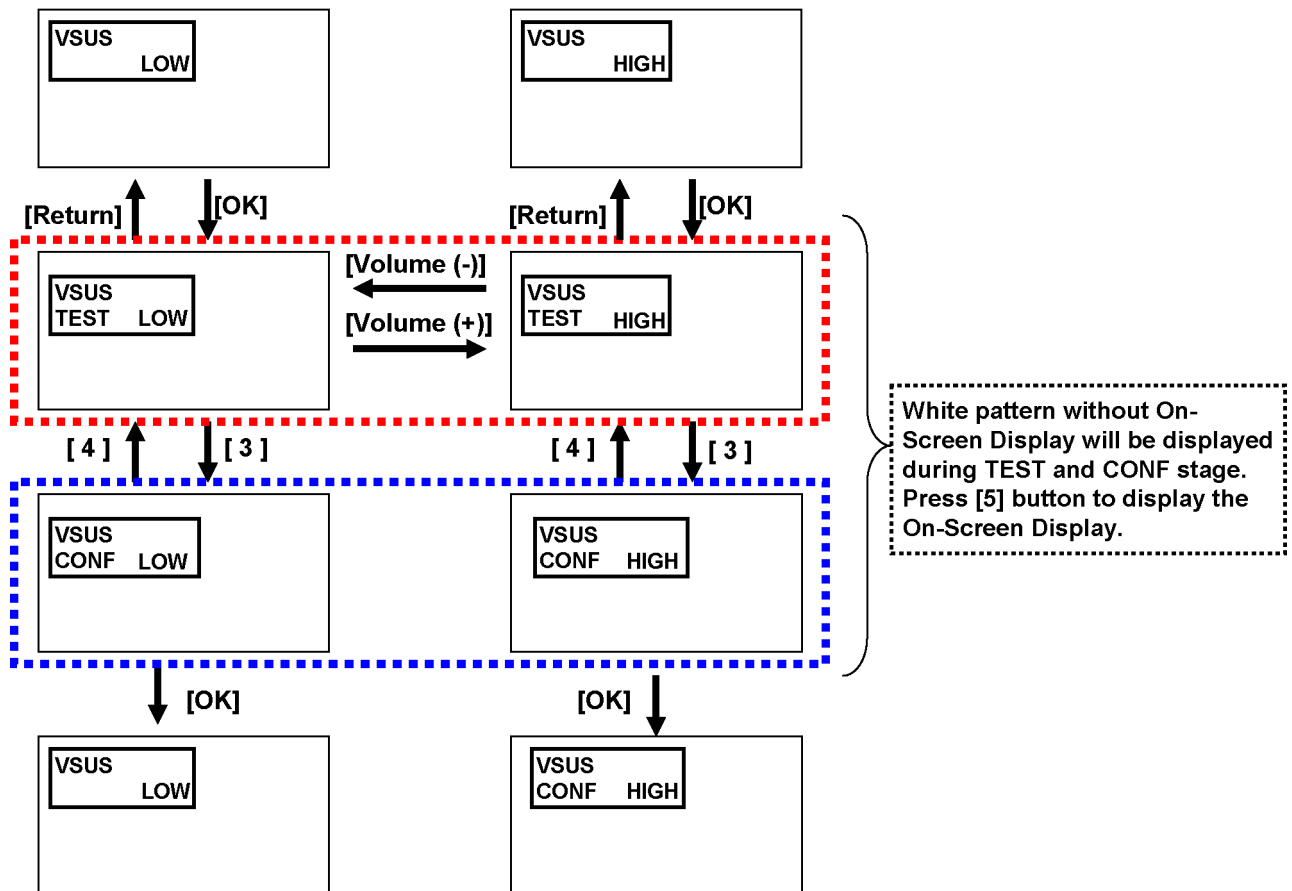
**Caution:**

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

**Procedure**

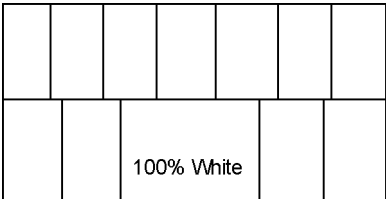
1. Go into main item [VSUS] in Service Mode. LOW or HIGH will be displayed.
2. Press [OK] button to go to TEST stage.  
White pattern without On-Screen Display will be displayed during TEST and CONF stage. Press [5] button to display the On-Screen Display.
3. Press [VOL (-)] button to set to LOW.
4.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

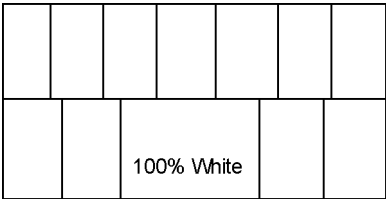
**Vsus selection in Service mode**



## 9.1.2. Sub-Contrast adjustment

| Name of measuring instrument                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Connection | Remarks                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RF generator<br>Base Band signal generator<br>HD signal generator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                                                                                                                                                                                    |
| Steps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | Remarks                                                                                                                                                                            |
| Adjustment of TV (RF system) <p>1. Receive a RF PAL 100% Full White or Split Colour bar shown as below.</p> <div data-bbox="347 445 735 642" data-label="Diagram"> </div> <p>2. Goes into service mode.<br/>3. Push a [ 1 ] or [ 2 ] key, and goes into adjustment mode for [ CONTRAST ].</p> Adjustment <p>1. The colour key yellow button of remote control is pushed.<br/>2. The OSD character of sub-contrast becomes red.<br/>(Inside under automatic adjustment)<br/>3. The OSD character of sub-contrast returns to black.<br/>4. End.</p> |            | <b>Note:</b><br><b>Sub-contrast adjustment is unadjusted for AV/ HD input.</b><br><b>But, when needing the adjustment chosen manually, please refer to [ alternative method ].</b> |

| 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.<br/>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.<br/>2. The OSD character of sub-contrast becomes red.<br/>(Inside under automatic adjustment)<br/>3. The OSD character of sub-contrast returns to black.<br/>4. End.</p> |         |

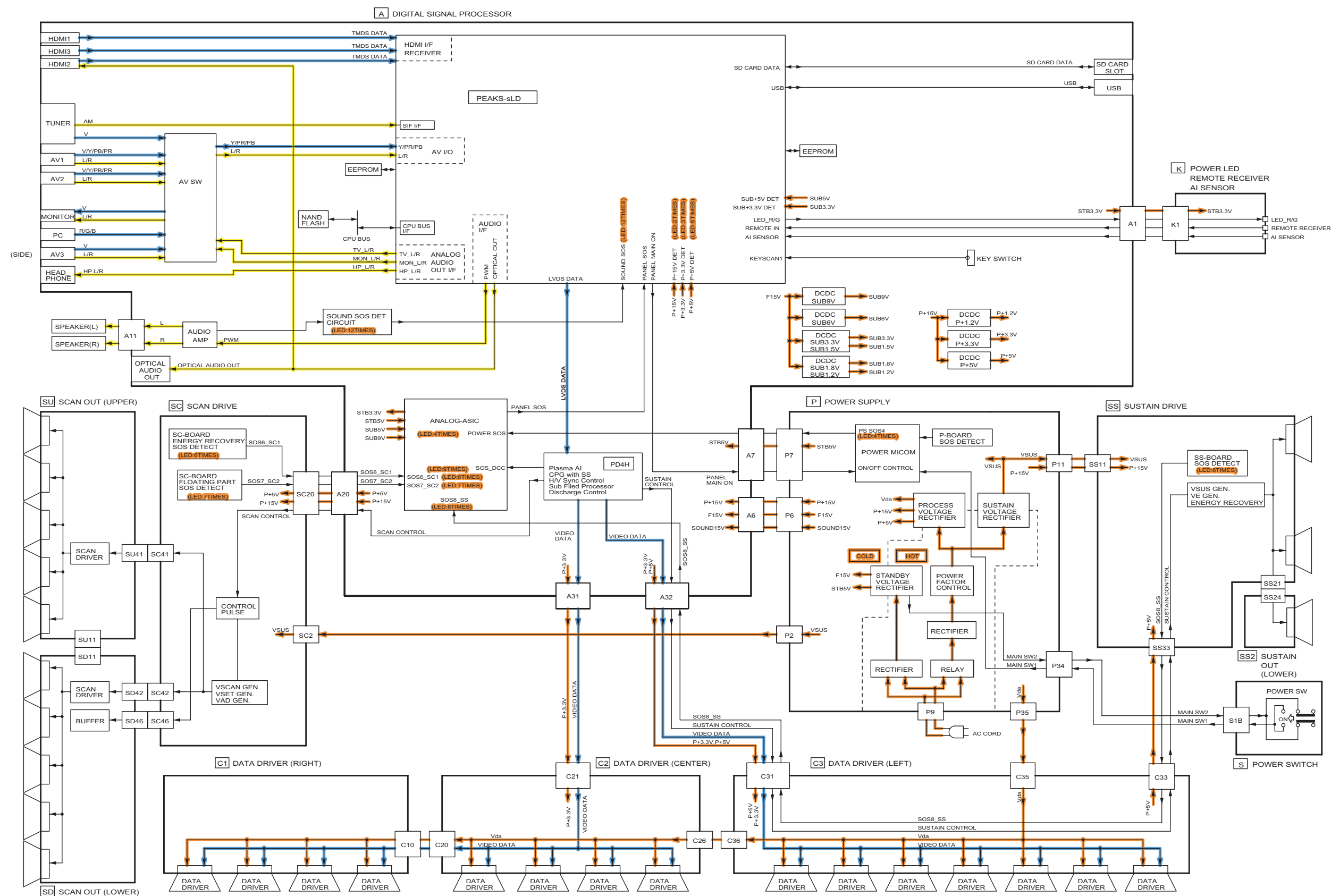
| Steps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 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.<br/>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.<br/>2. The OSD character of sub-contrast becomes red.<br/>(Inside under automatic adjustment)<br/>3. The OSD character of sub-contrast returns to black.<br/>4. End.</p> |         |

### 9.1.3. THX White balance adjustment

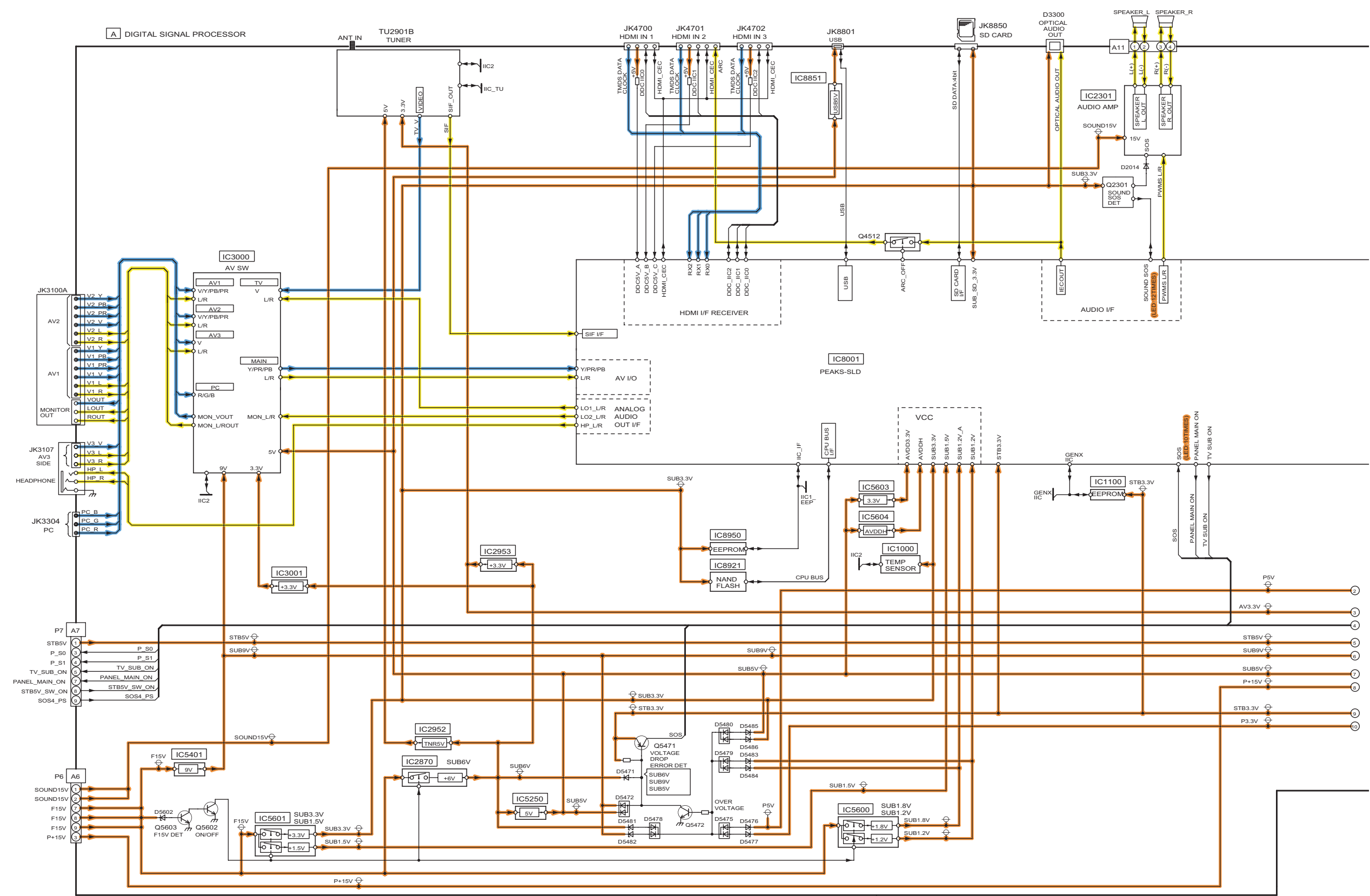
| Name of measuring instrument                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Connection    | Remarks                                 |   |   |      |       |       |        |       |       |      |       |       |                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------|---|---|------|-------|-------|--------|-------|-------|------|-------|-------|-------------------------------|
| W/ B pattern<br>Color analyzer<br>(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<br>ASPECT : 16:9 |   |   |      |       |       |        |       |       |      |       |       |                               |
| Adjustment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               | Remarks                                 |   |   |      |       |       |        |       |       |      |       |       |                               |
| <ol style="list-style-type: none"> <li>1. Enter the service mode.<br/>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.<br/>Check that the color balance is [ COOL ].</li> <li>3. A number key [0] is operated and select [METHOD=01].</li> <li>4. A number key [5] is operated and [INNER PATTERN] is displayed.</li> </ol> <div data-bbox="341 629 740 878" data-label="Image"> </div> <p style="text-align: center;">INNER PATTERN</p> <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 [-].<br/>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> <p style="text-align: center;">Table 1, Color temp. target value</p> <table border="1"> <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> |               | COLOR TEMP                              | x | y | COOL | 0.280 | 0.288 | NORMAL | 0.292 | 0.302 | WARM | 0.313 | 0.328 | METHOD=01<br>copy adjustments |
| COLOR TEMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | x             | y                                       |   |   |      |       |       |        |       |       |      |       |       |                               |
| COOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.280         | 0.288                                   |   |   |      |       |       |        |       |       |      |       |       |                               |
| NORMAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.292         | 0.302                                   |   |   |      |       |       |        |       |       |      |       |       |                               |
| WARM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.313         | 0.328                                   |   |   |      |       |       |        |       |       |      |       |       |                               |

# 10 Block Diagram

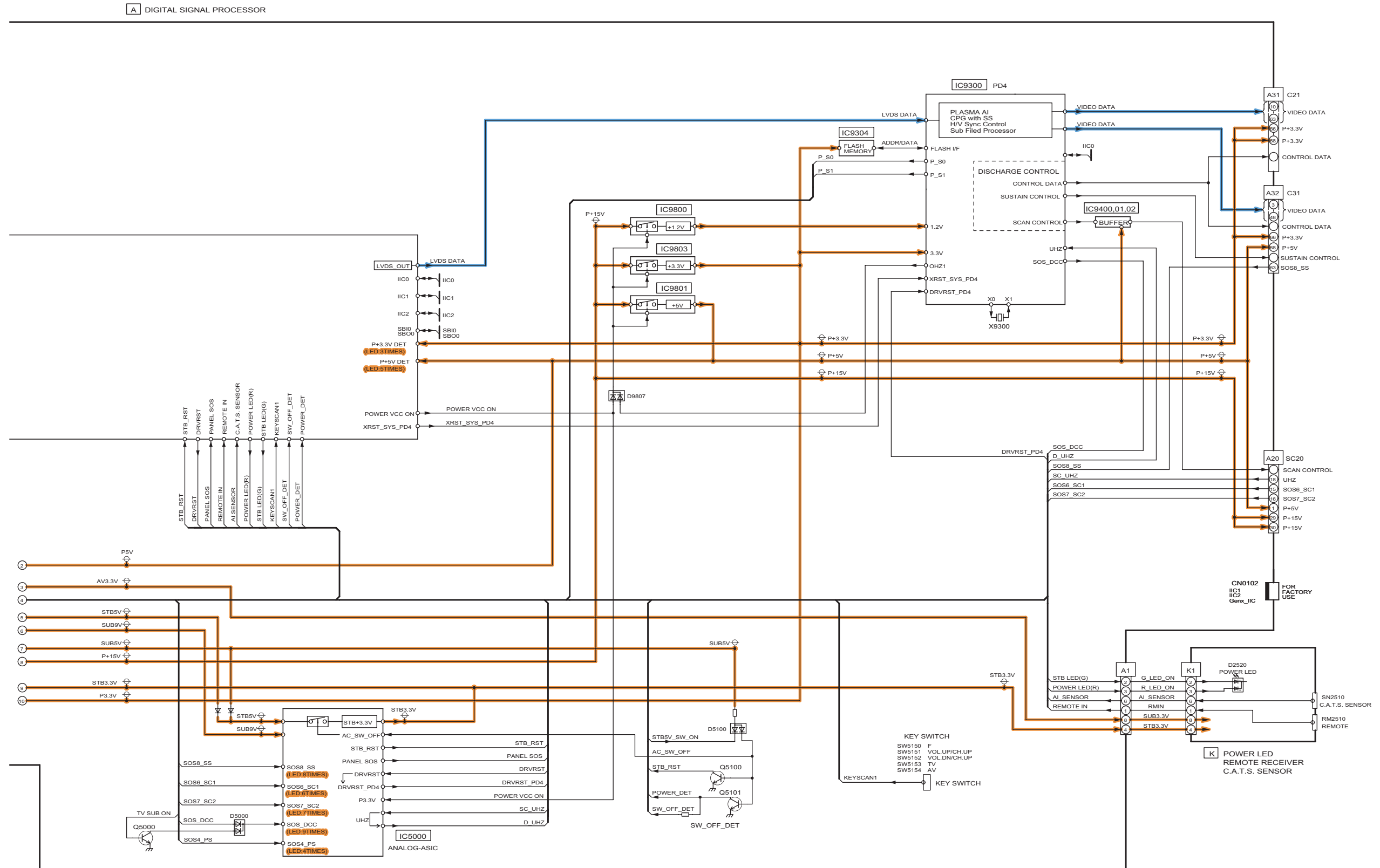
## 10.1. Main Block Diagram



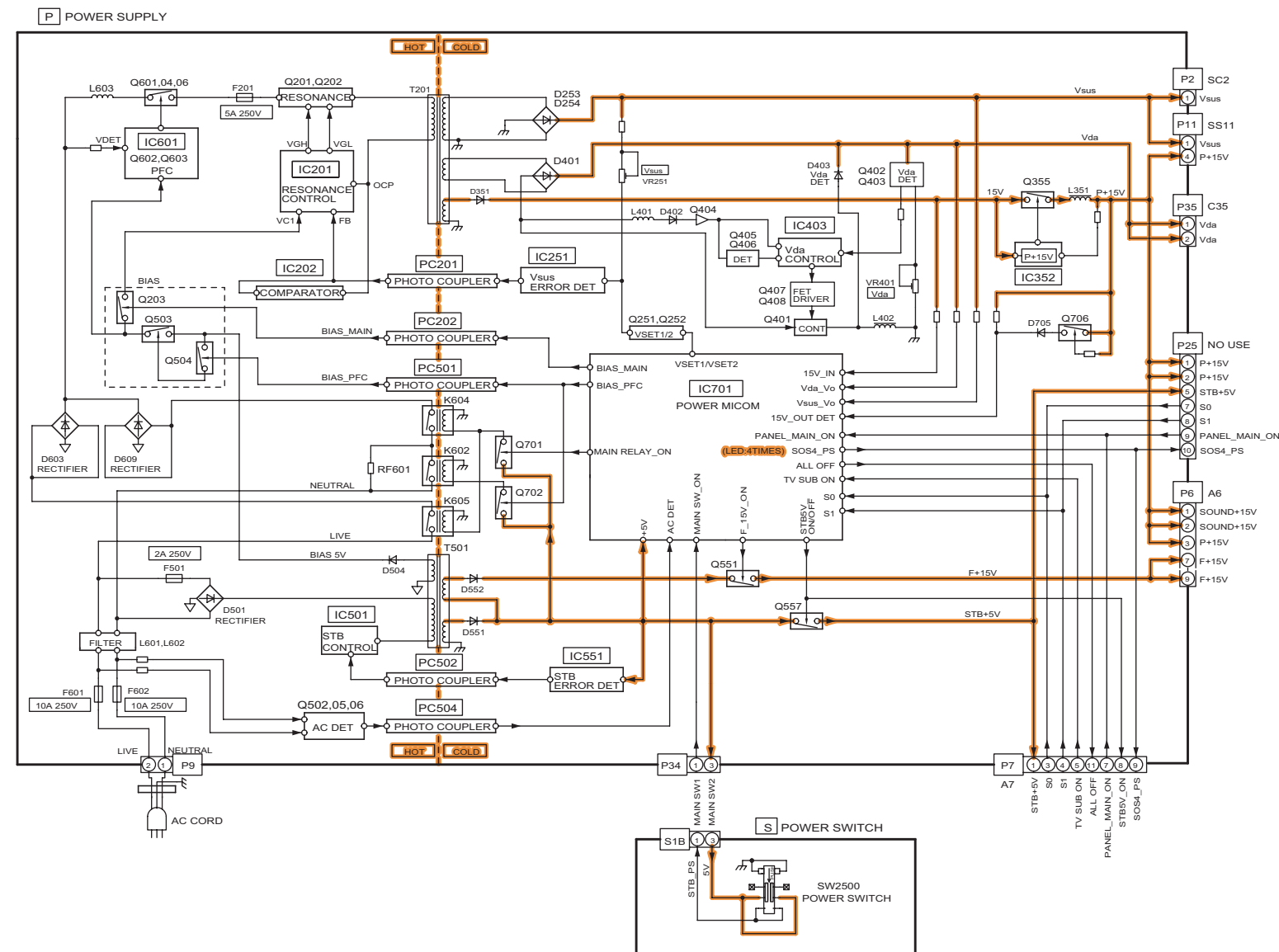
10.2. Block (1/4) Diagram



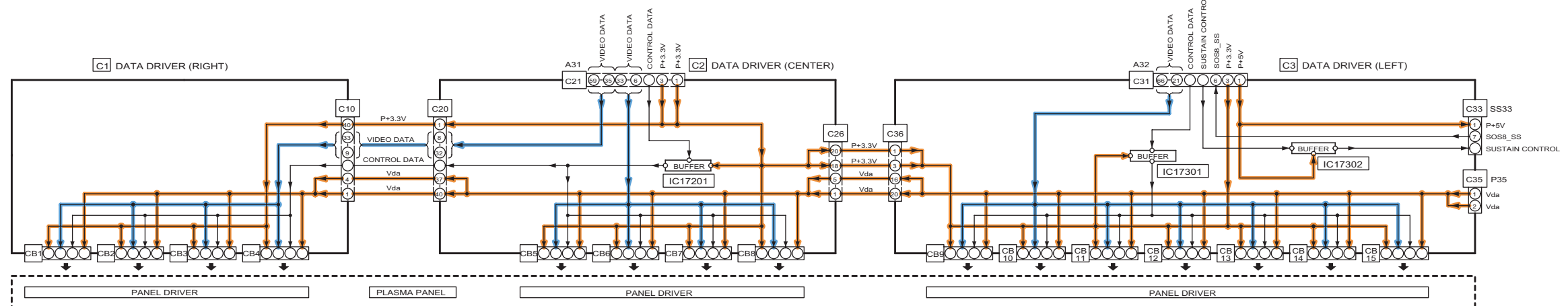
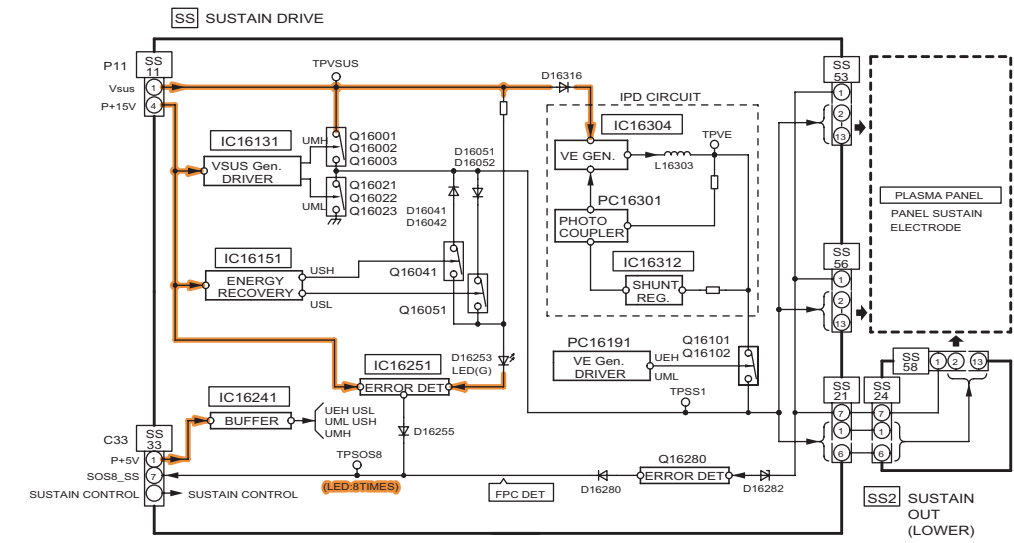
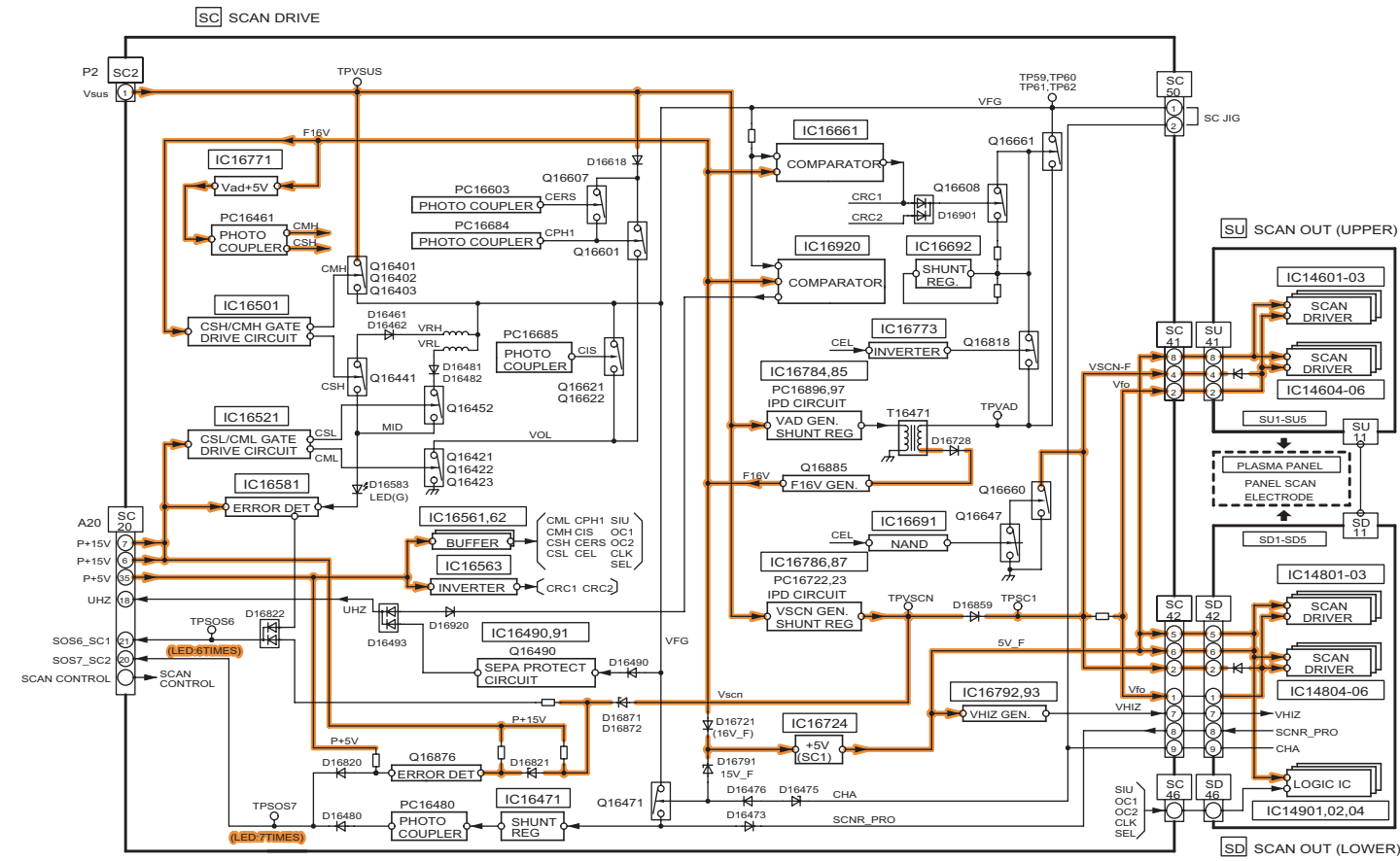
### 10.3. Block (2/4) Diagram



#### 10.4. Block (3/4) Diagram



### 10.5. Block (4/4) Diagram





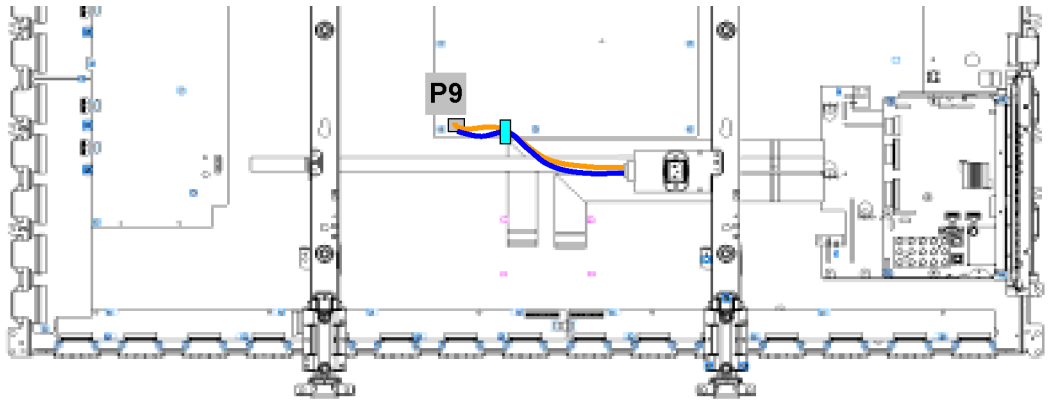
# 11 Wiring Connection Diagram

## 11.1. Caution statement.

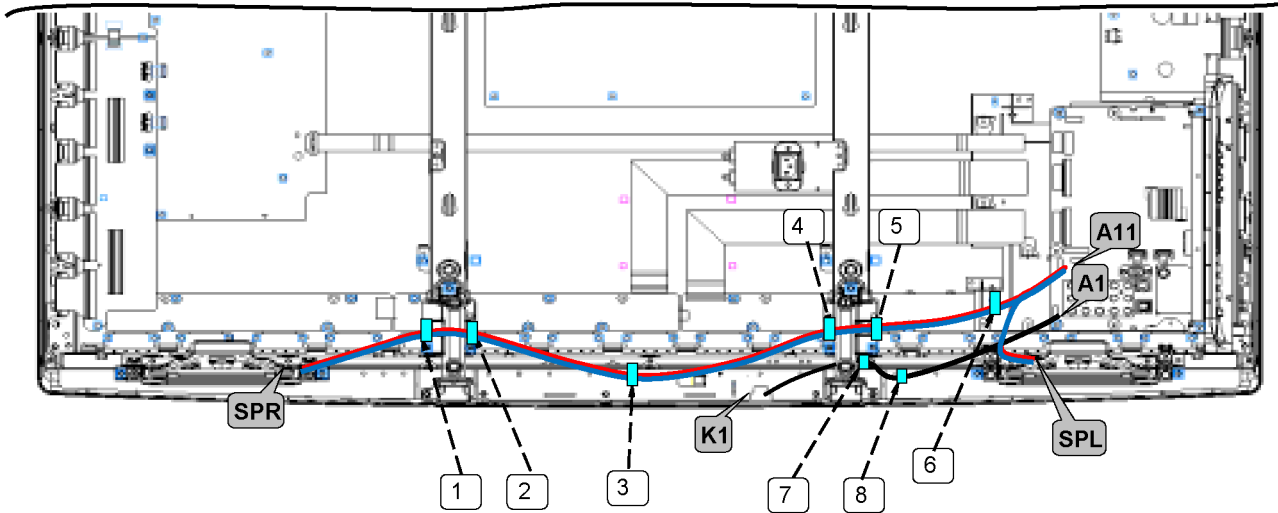
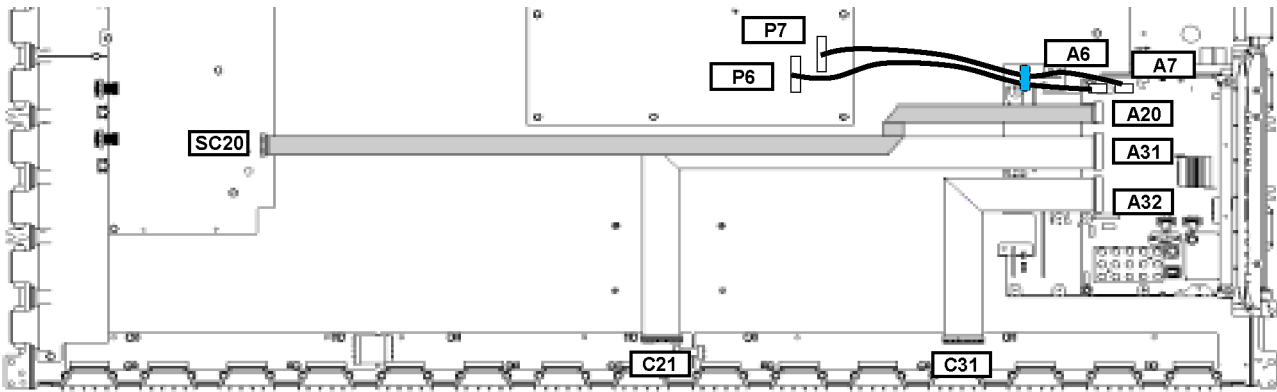
### Caution:

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)

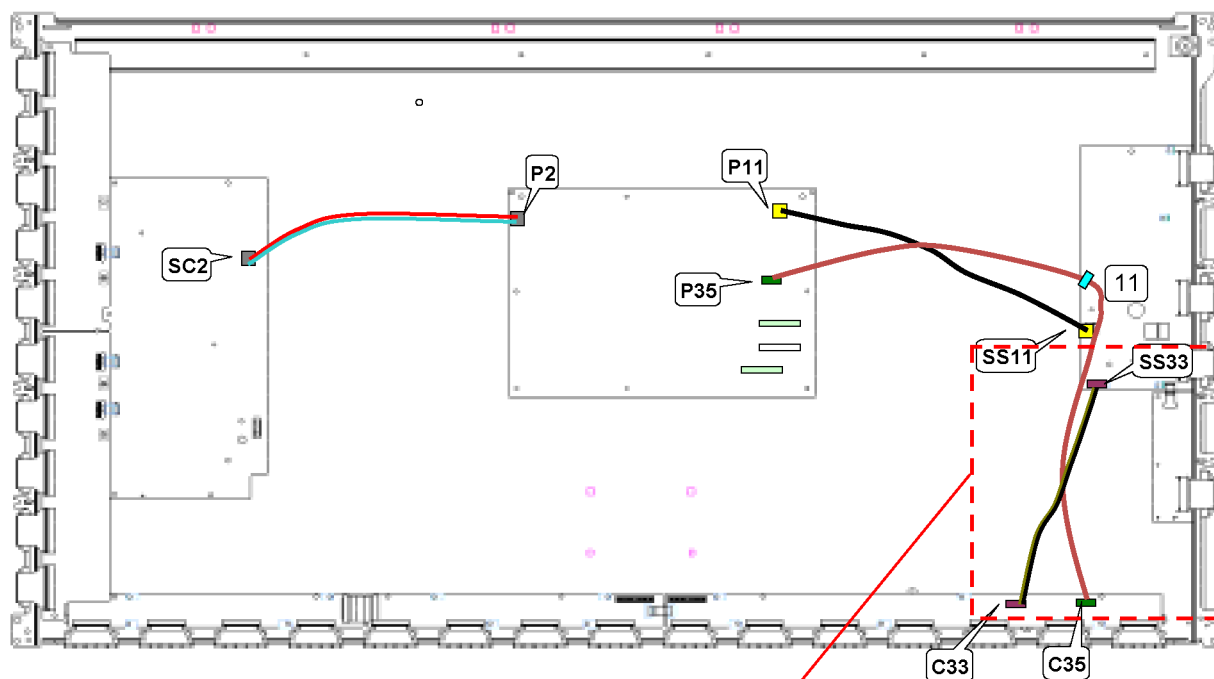


11.3. Wiring (2)

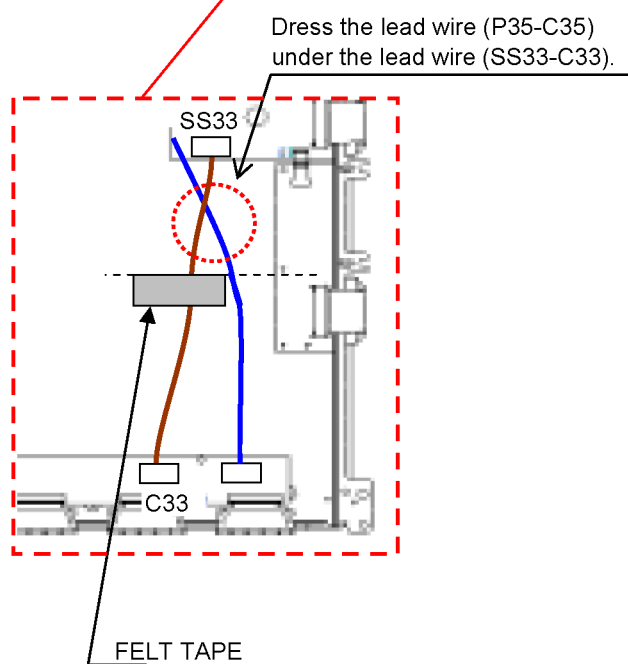


| CONNECTOR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-----------|---|---|---|---|---|---|---|---|
| A11 - SPR | ○ | ○ | ○ | ○ | ○ | ○ |   |   |
| A11 - SPL |   |   |   |   |   |   |   |   |
| K1 - A1   |   |   | ○ | ○ | ○ | ○ | ○ | ○ |

## 11.4. Wiring (3)



| CONNECTOR  | 11 |
|------------|----|
| C33 - SS33 |    |
| P35 - C35  | ○  |
| P11 - SS11 |    |
| SC2 - P2   |    |



Fix the lead wire (SS33-C33) only to the PDP panel by FELT TAPE at the center of wire or the same line of a hole of SS2 board.  
Reason: To avoid a contact with A-board fixing metal.



## 12 Schematic Diagram

### 12.1. Schematic Diagram Note

**Notes:**

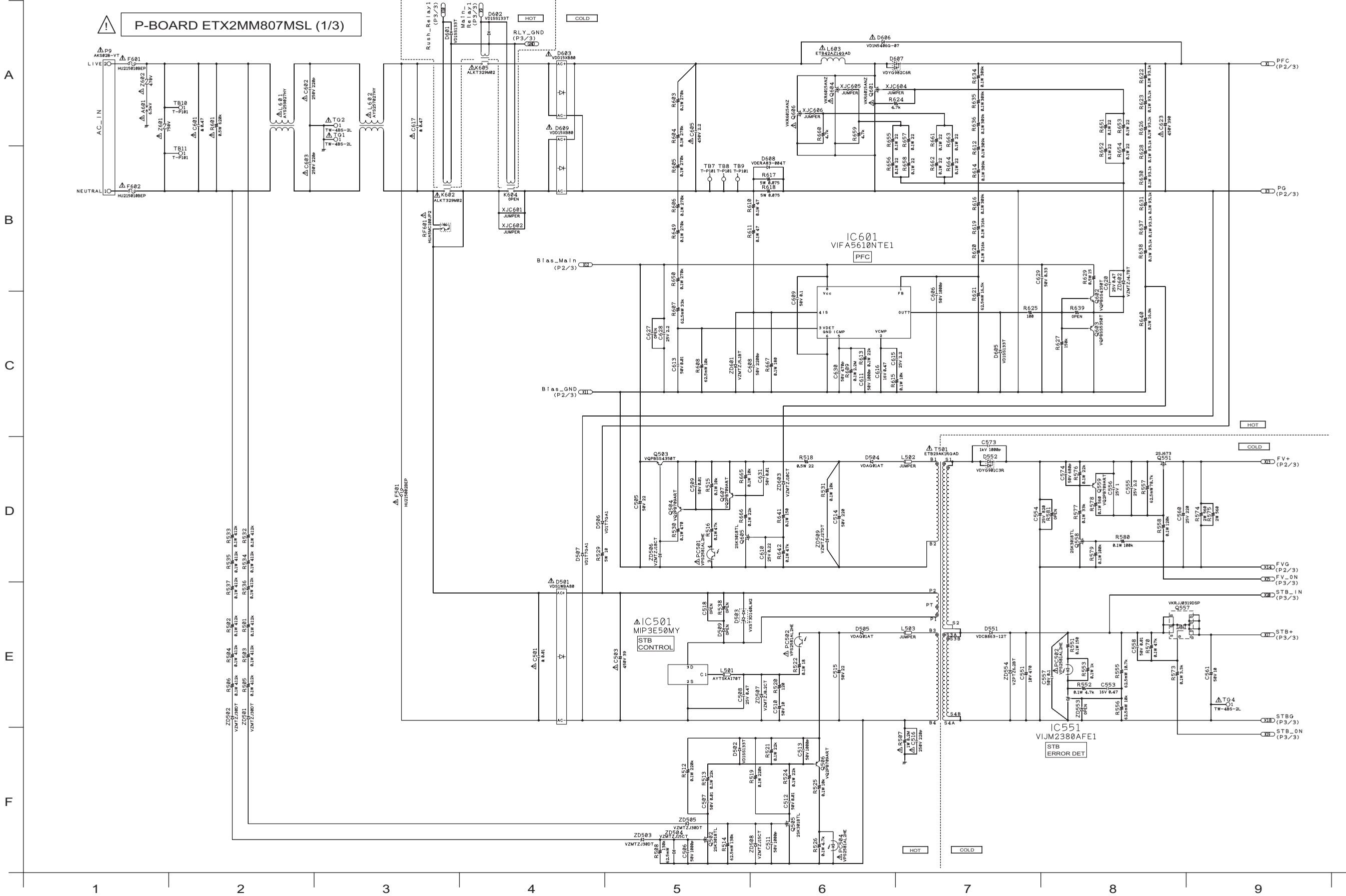
1. **Resistor**  
Unit of resistance is OHM [ $\Omega$ ] (K=1,000, M=1,000,000).
2. **Capacitor**  
Unit of capacitance is  $\mu$ F, unless otherwise noted.
3. **Coil**  
Unit of inductance is H, unless otherwise noted.
4. **Test Point**  
 : Test Point position
5. **Earth Symbol**  
 : Chassis Earth (Cold)       : Line Earth (Hot)
6. **Voltage Measurement**  
Voltage is measured by a DC voltmeter.  
Conditions of the measurement are the following:
 

|                               |                          |
|-------------------------------|--------------------------|
| Power Source .....            | AC220V-240V, 50/60Hz (M) |
|                               | AC110V-240V, 50/60Hz (P) |
| Receiving Signal .....        | Colour Bar signal (RF)   |
| All customer's controls ..... | Maximum positions        |
7. When arrow mark () is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow.      : Video       Audio 
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

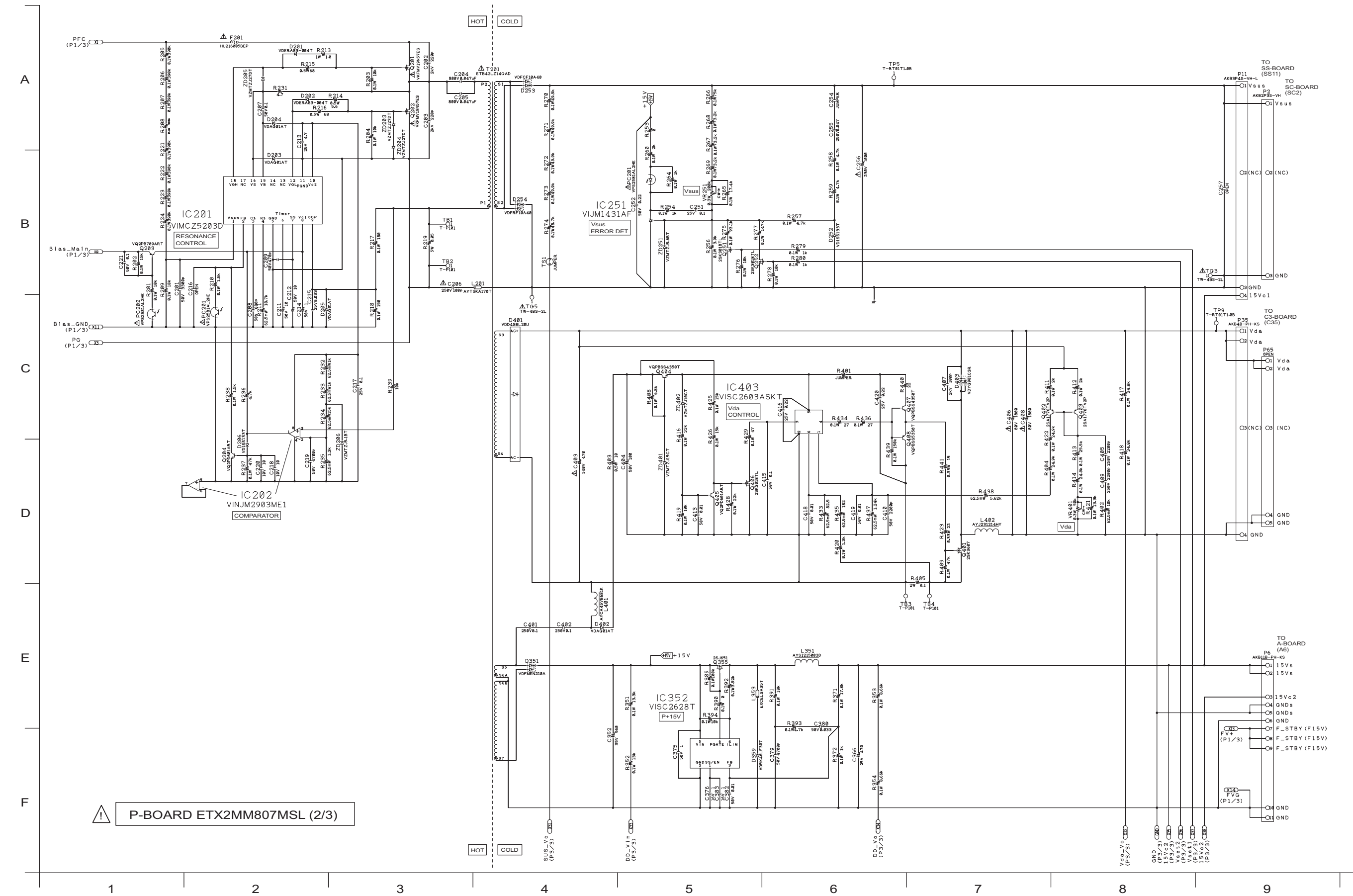
## Remarks:

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

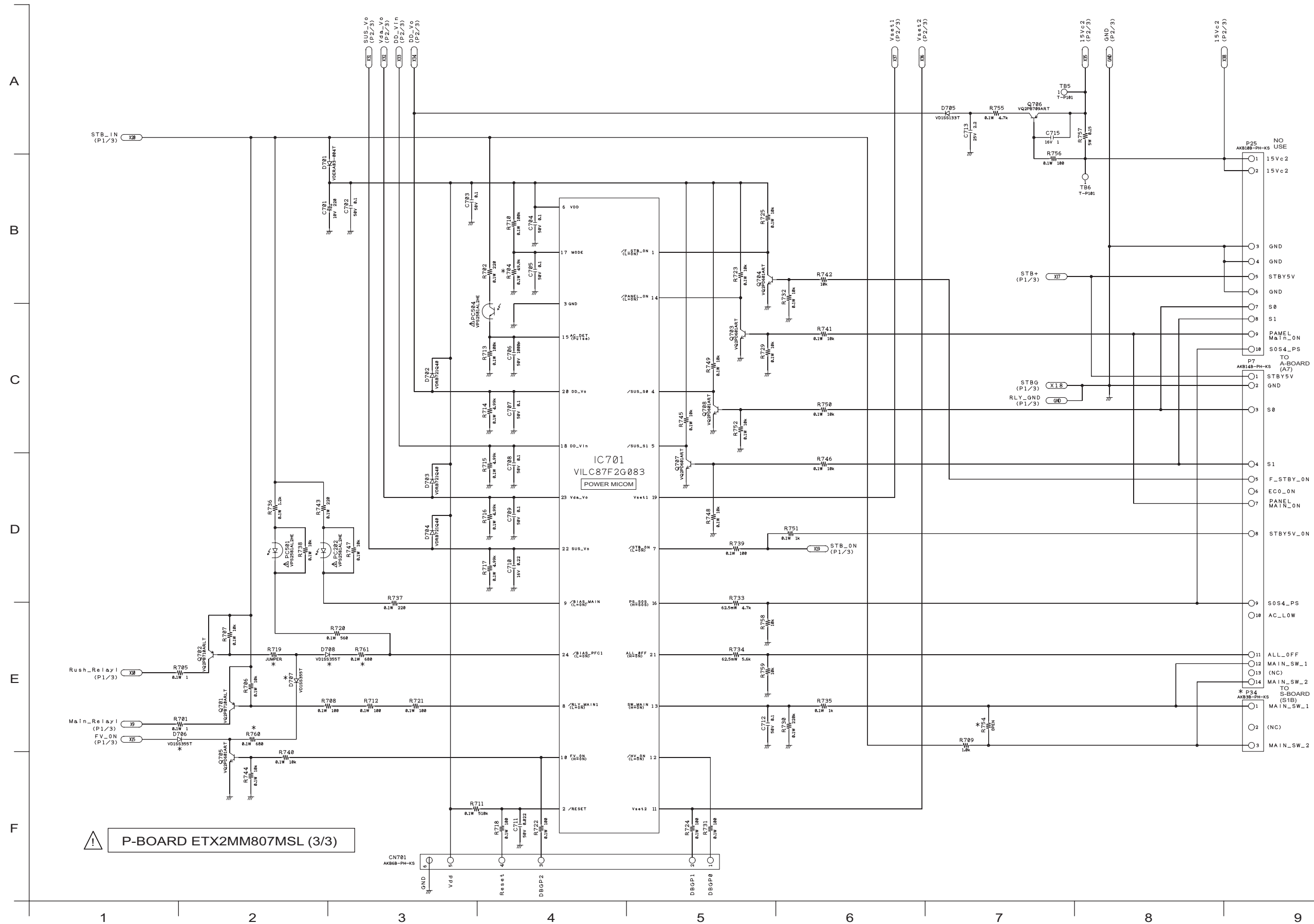
12.2. P-Board (1/3) Schematic Diagram



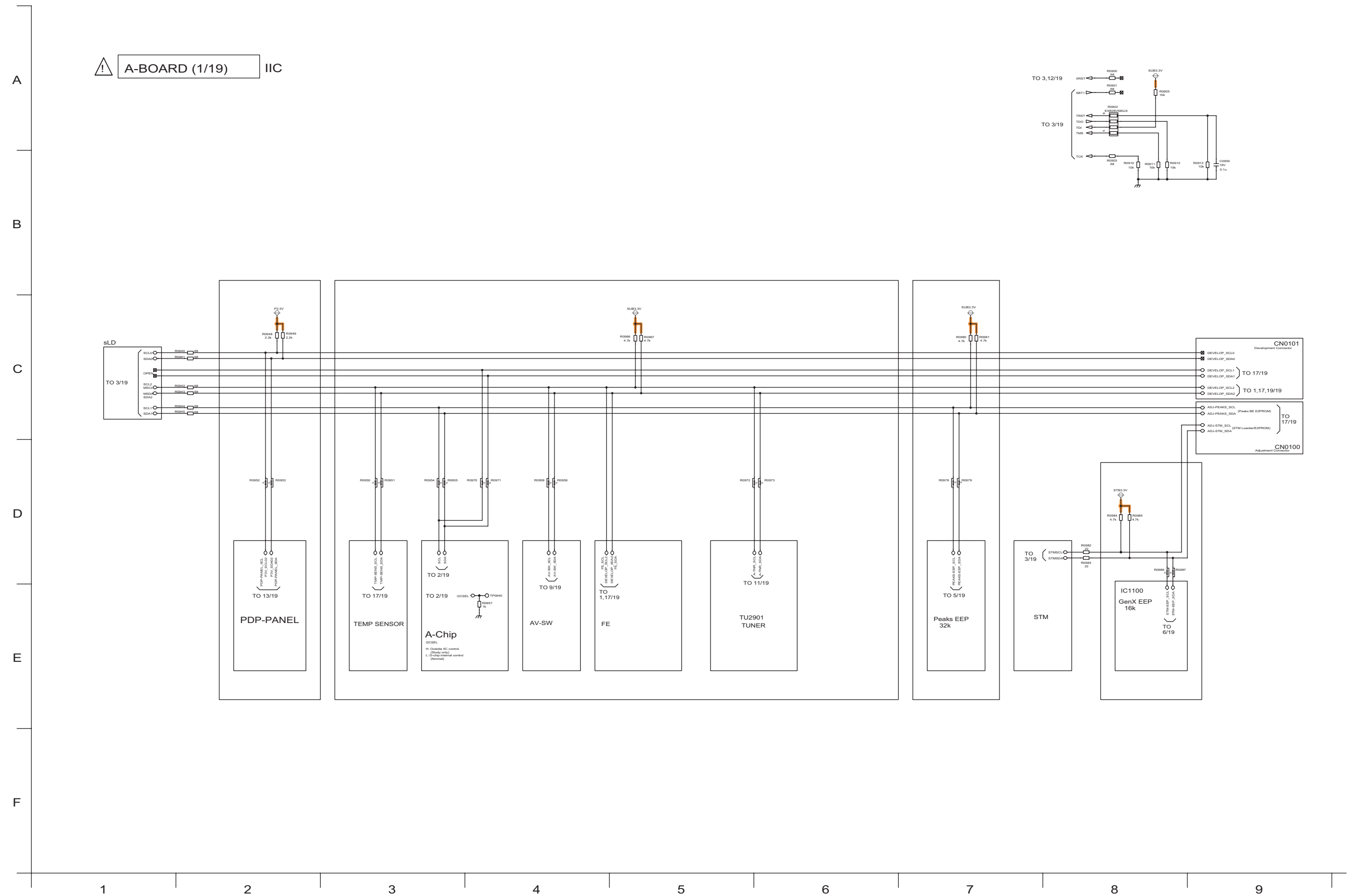
12.3. P-Board (2/3) Schematic Diagram



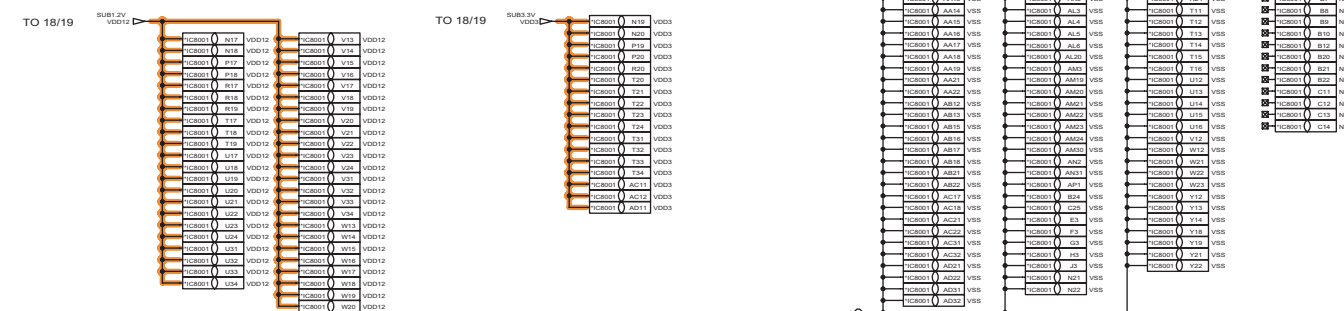
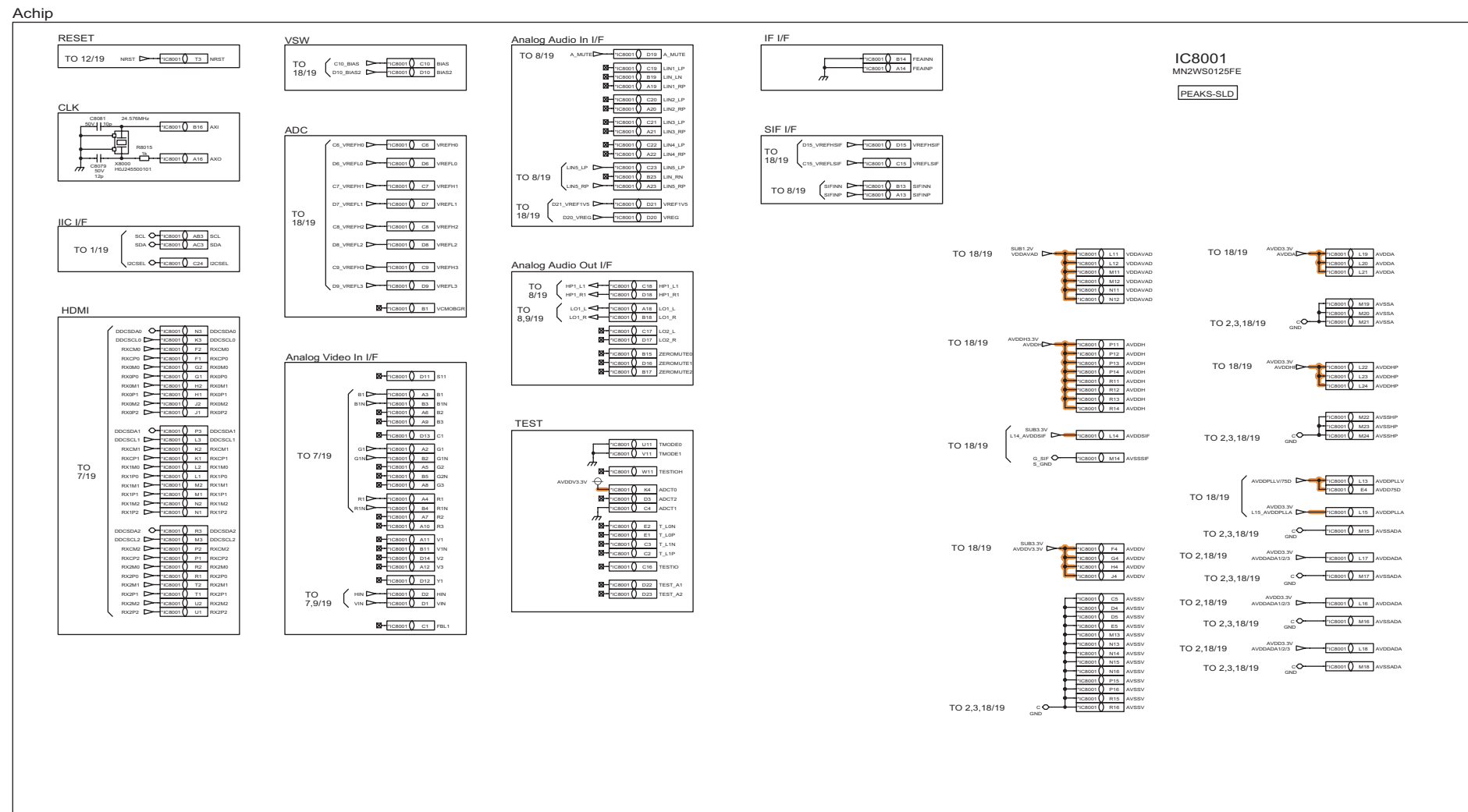
## 12.4. P-Board (3/3) Schematic Diagram



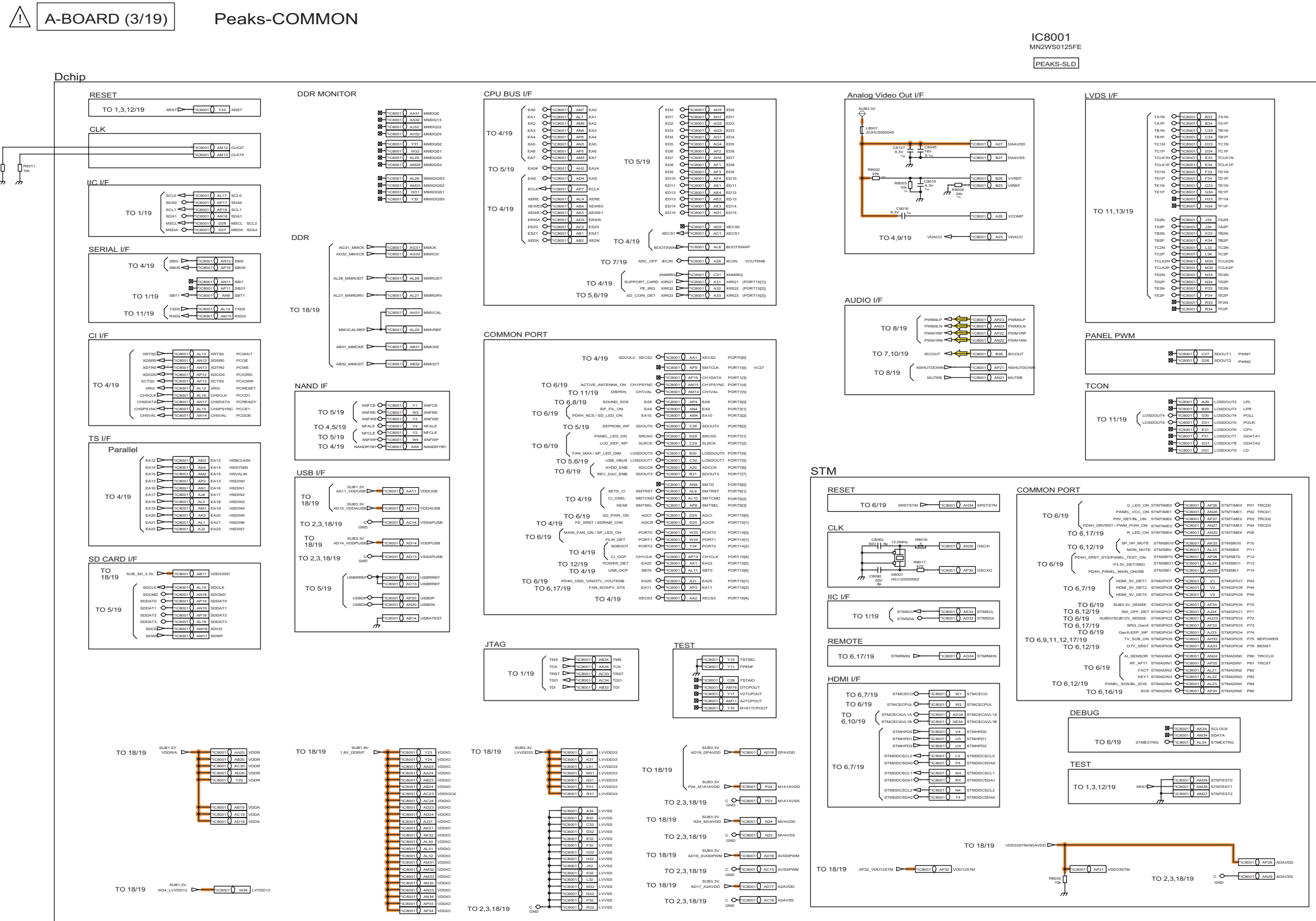
## 12.5. A-Board (1/19) Schematic Diagram



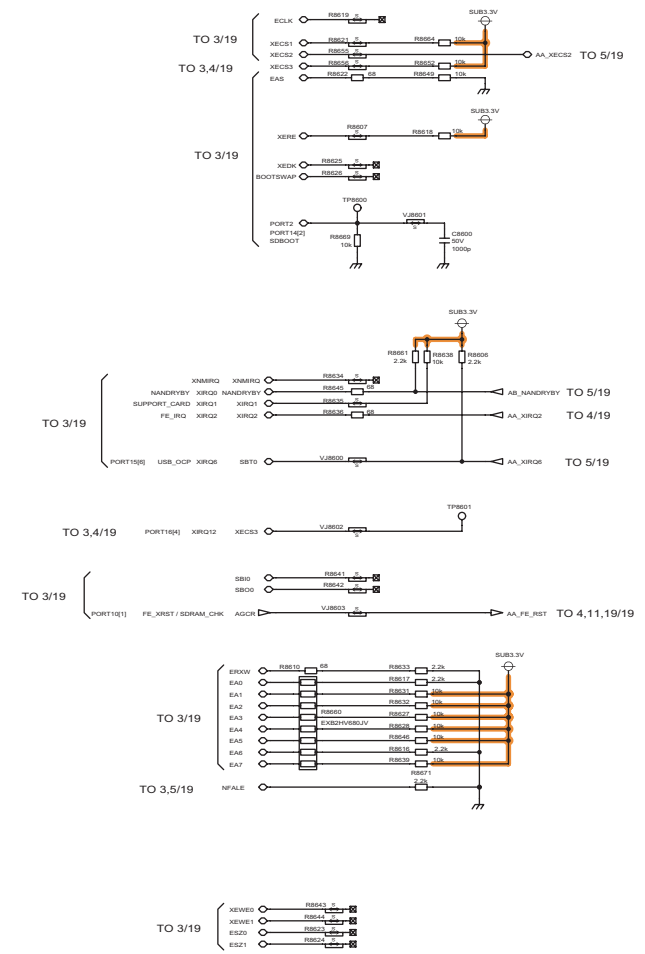
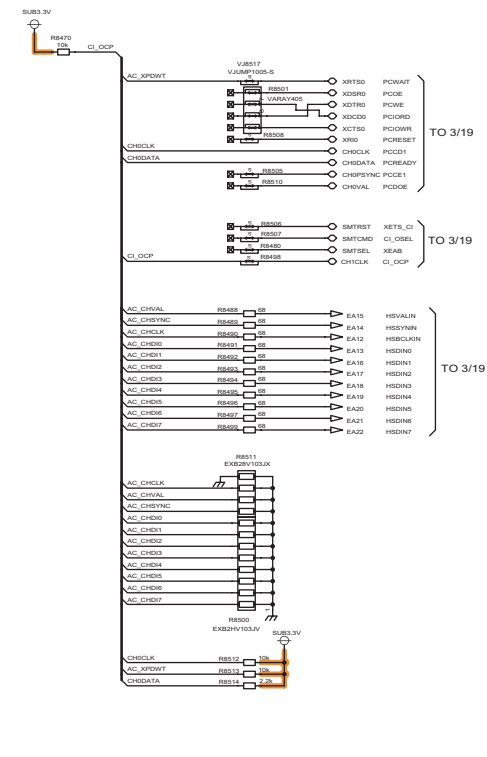
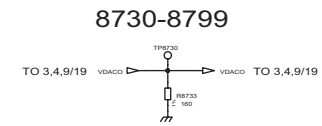
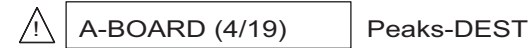
## 12.6. A-Board (2/19) Schematic Diagram



## 12.7. A-Board (3/19) Schematic Diagram



## 12.8. A-Board (4/19) Schematic Diagram

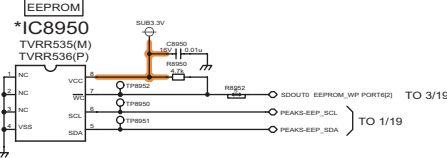
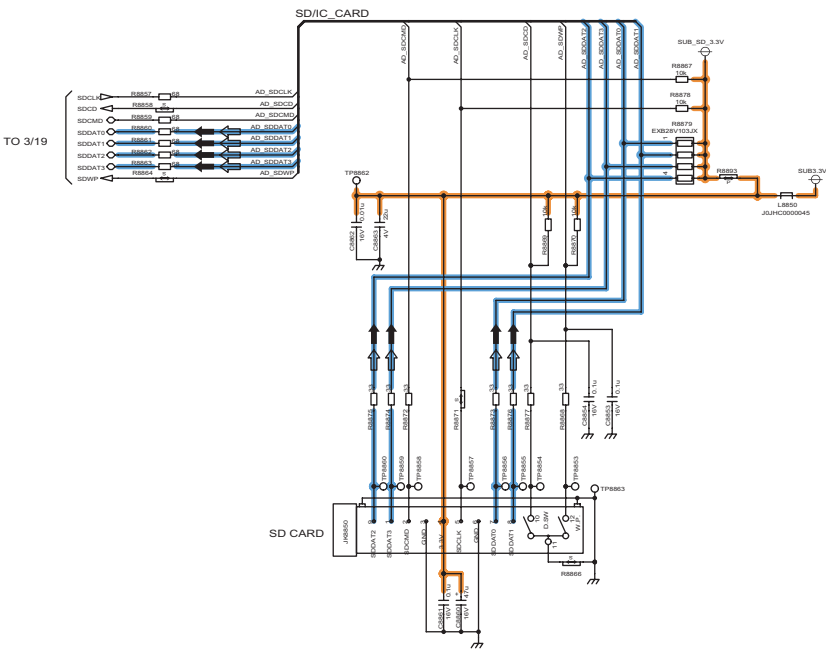
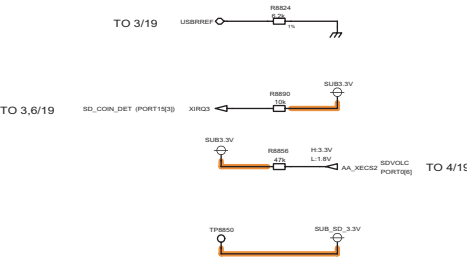
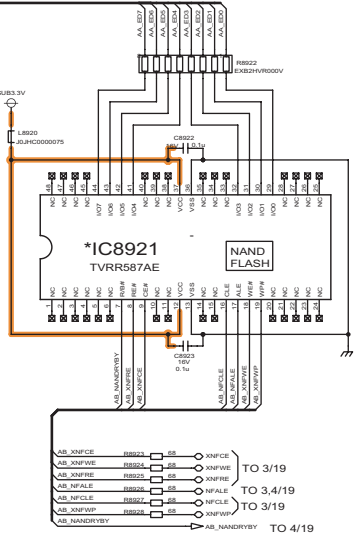
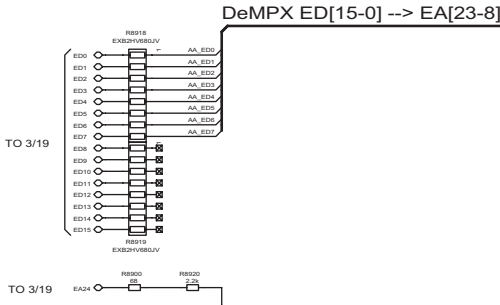
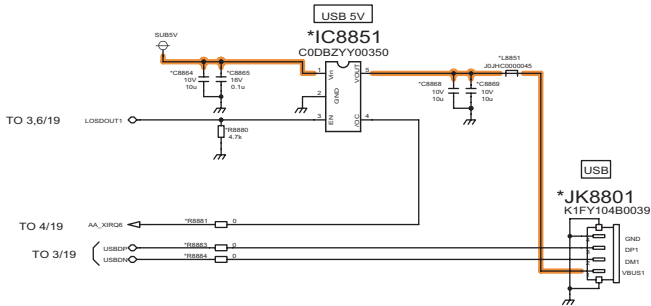


12.9. A-Board (5/19) Schematic Diagram



A-BOARD (5/19)

Peaks-MODEL



37

38

39

40

41

42

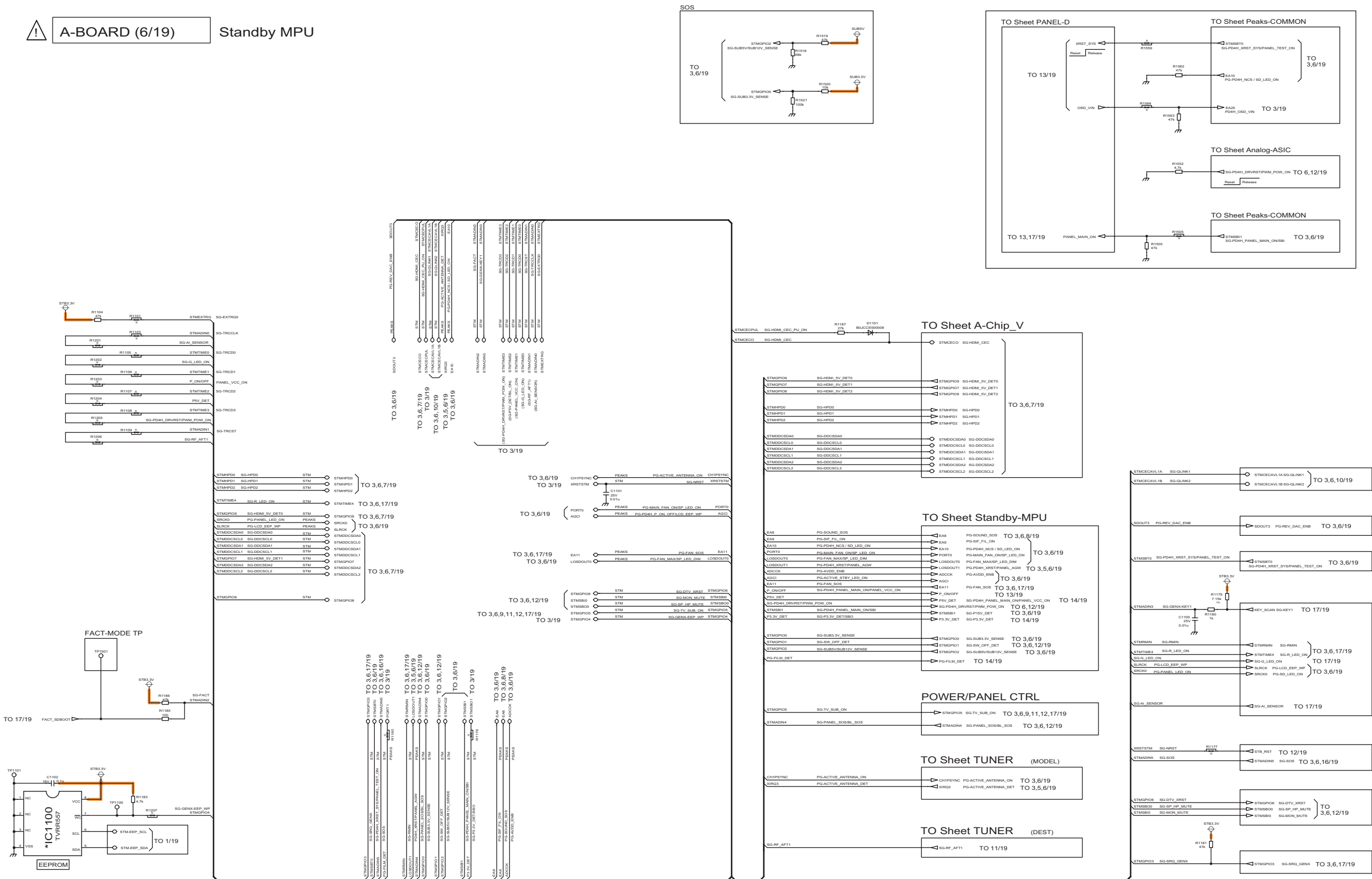
43

44

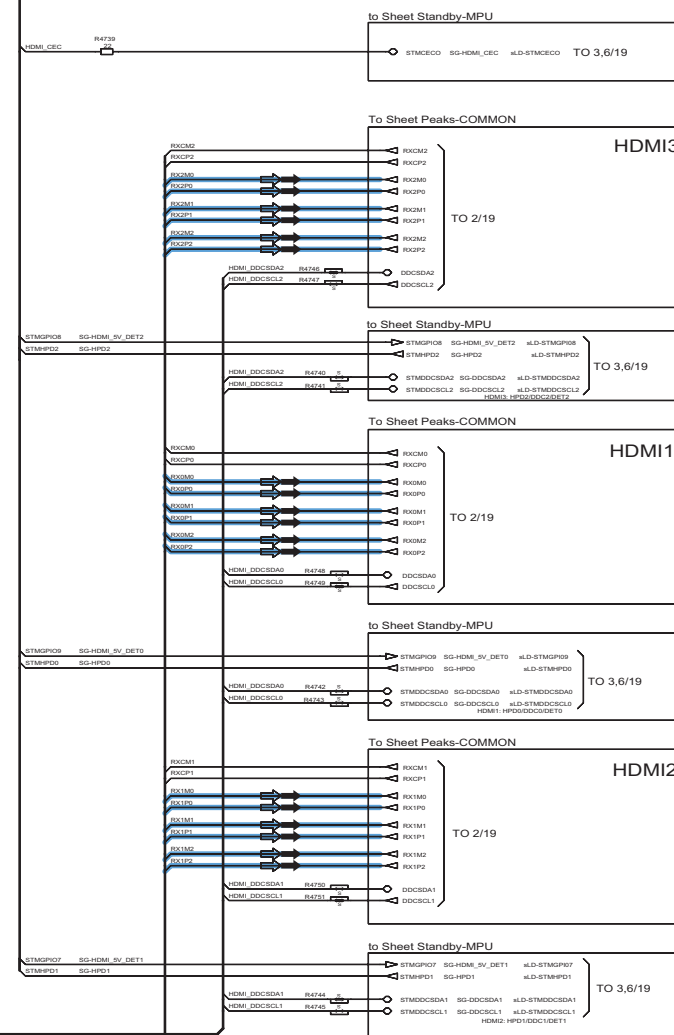
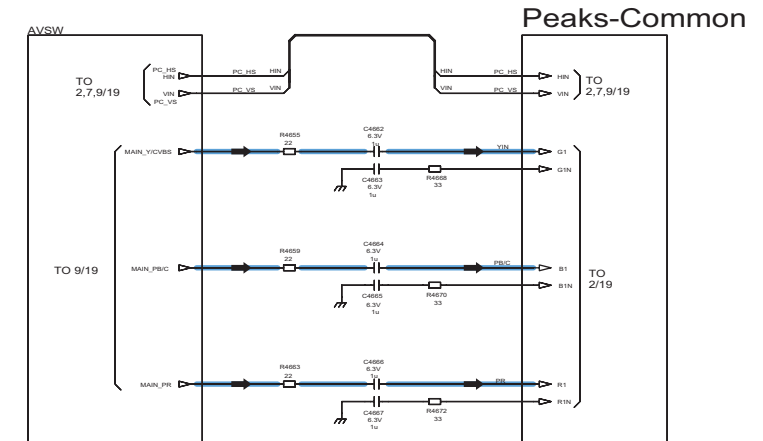
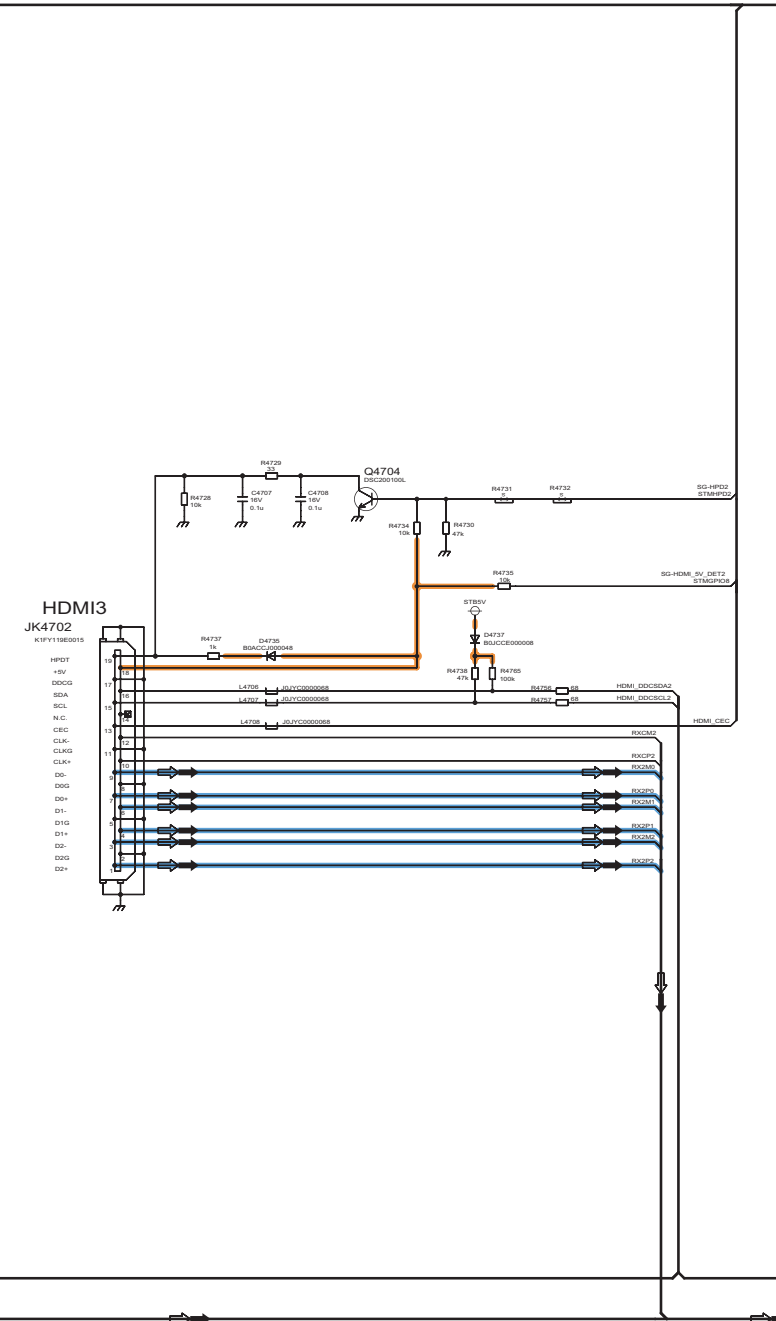
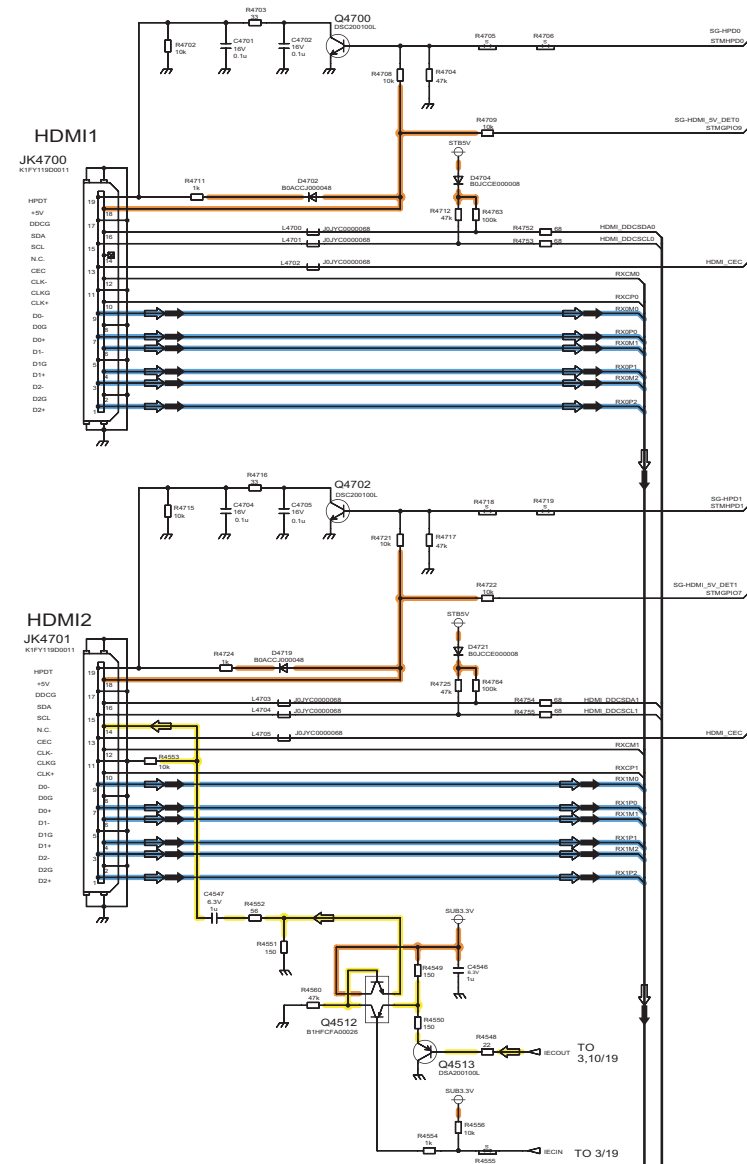
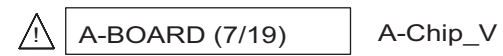
45

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

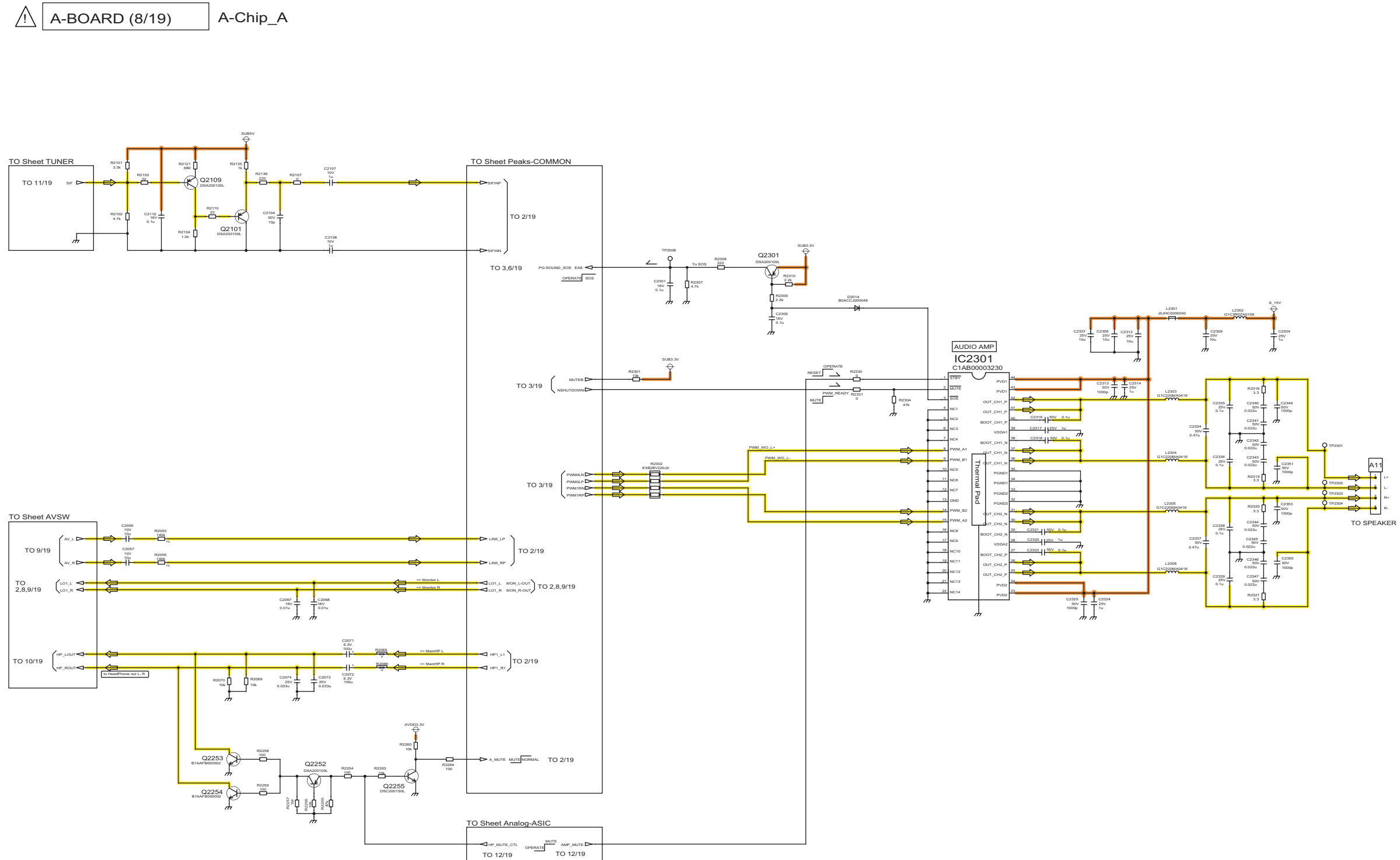
A-BOARD (6/19) Standby MPU



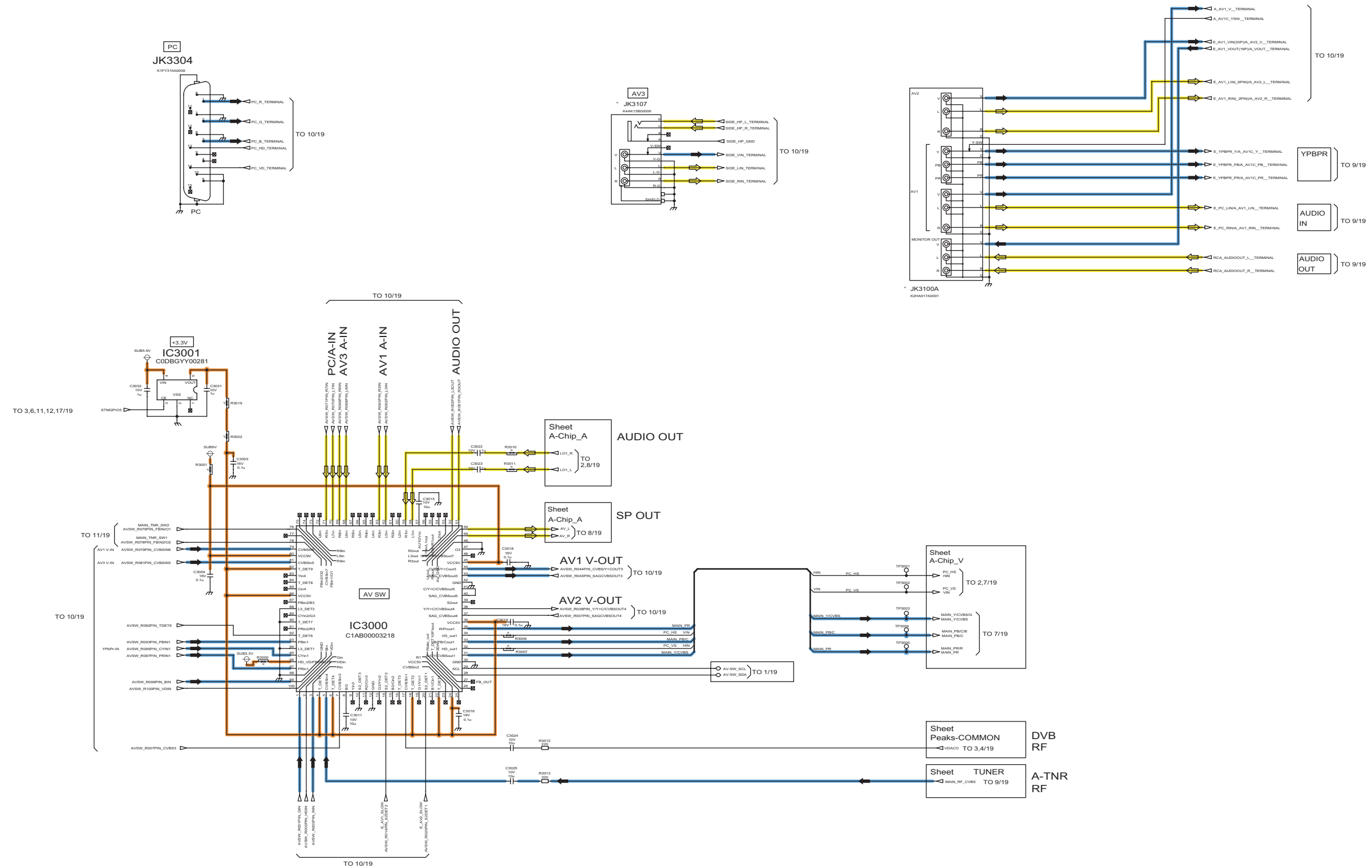
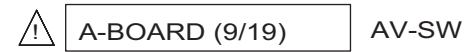
## 12.11. A-Board (7/19) Schematic Diagram



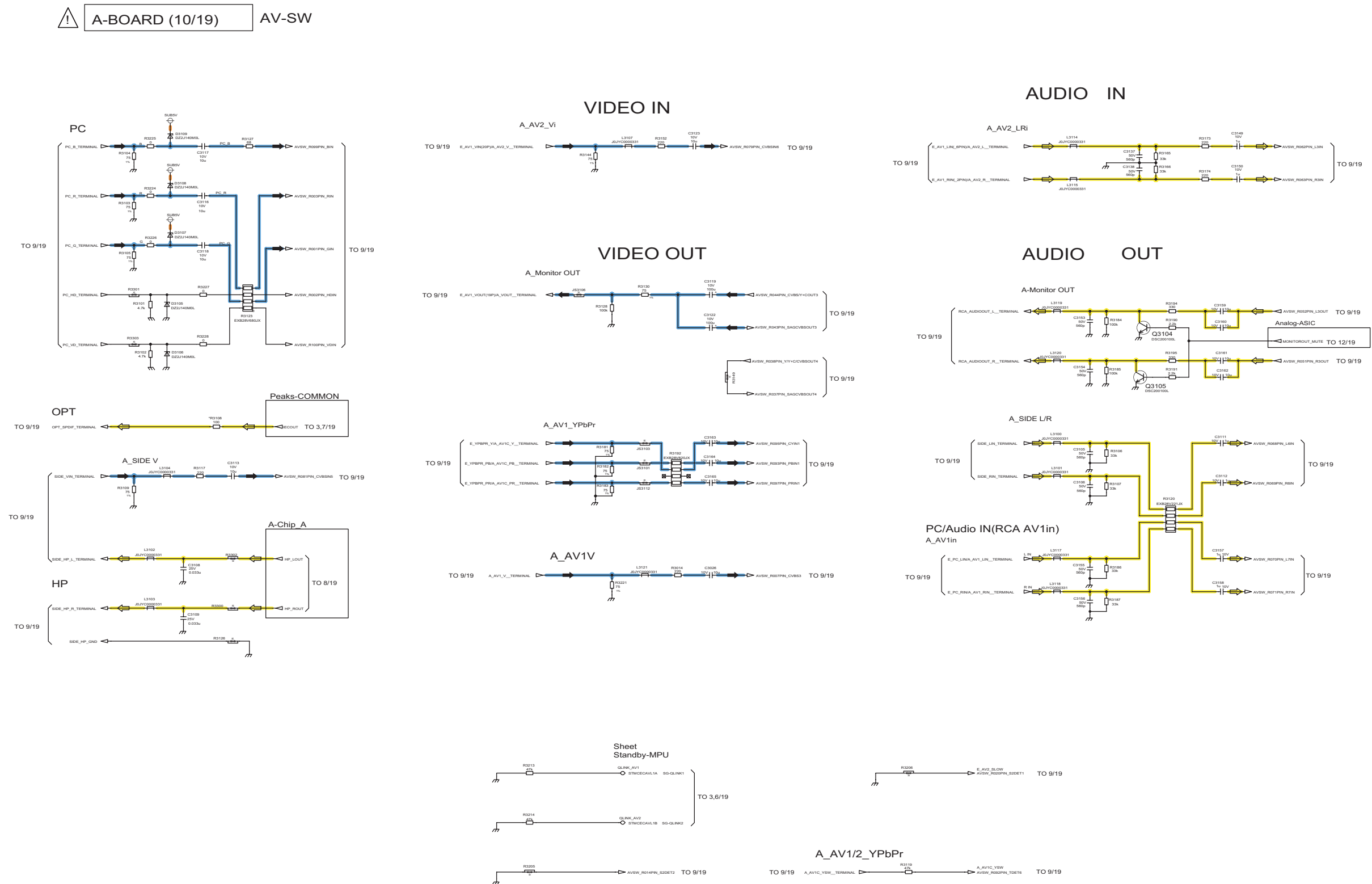
## 12.12. A-Board (8/19) Schematic Diagram



### 12.13. A-Board (9/19) Schematic Diagram

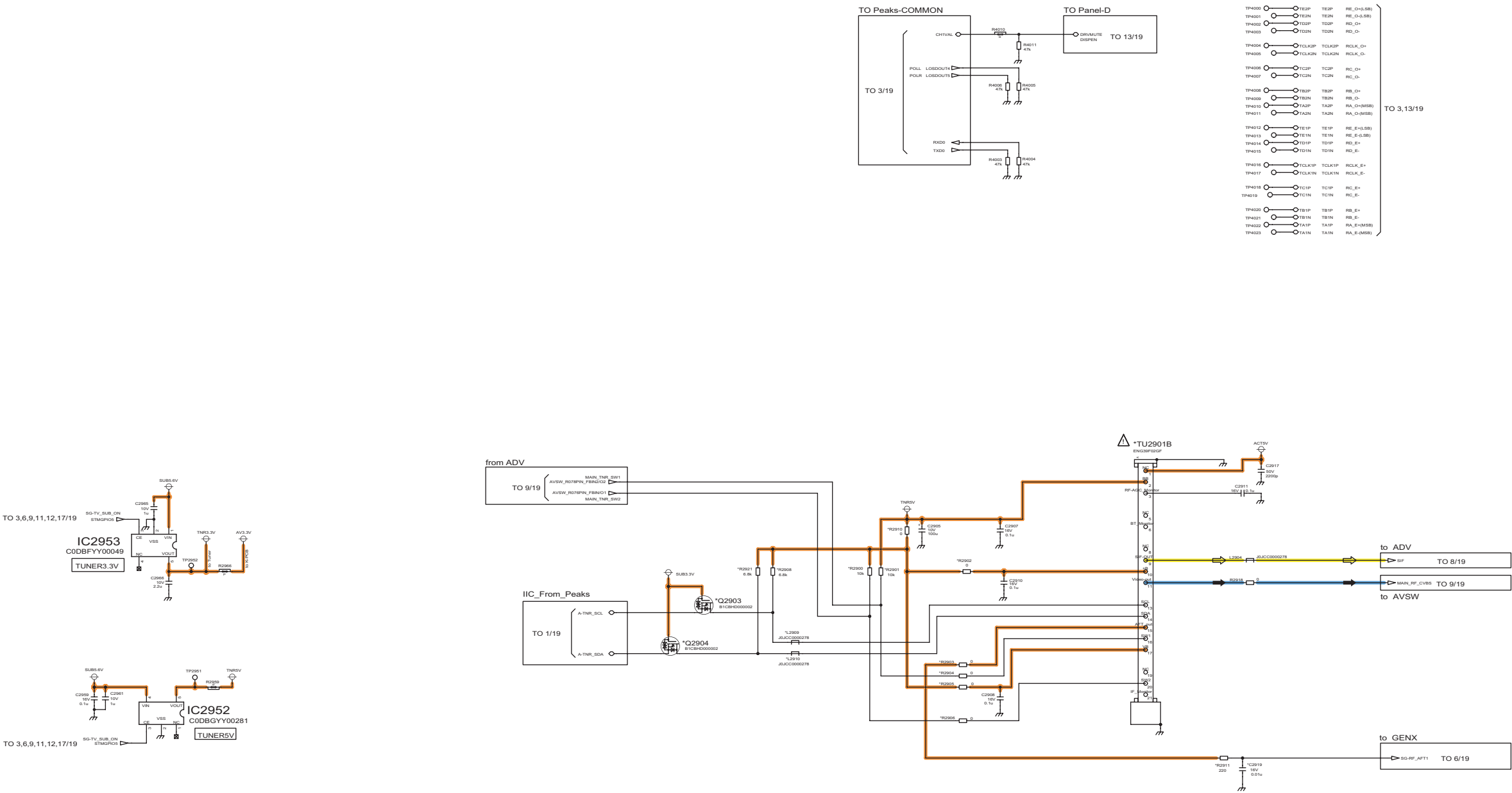


## 12.14. A-Board (10/19) Schematic Diagram



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

! A-BOARD (11/19) TUNER



91

92

93

94

95

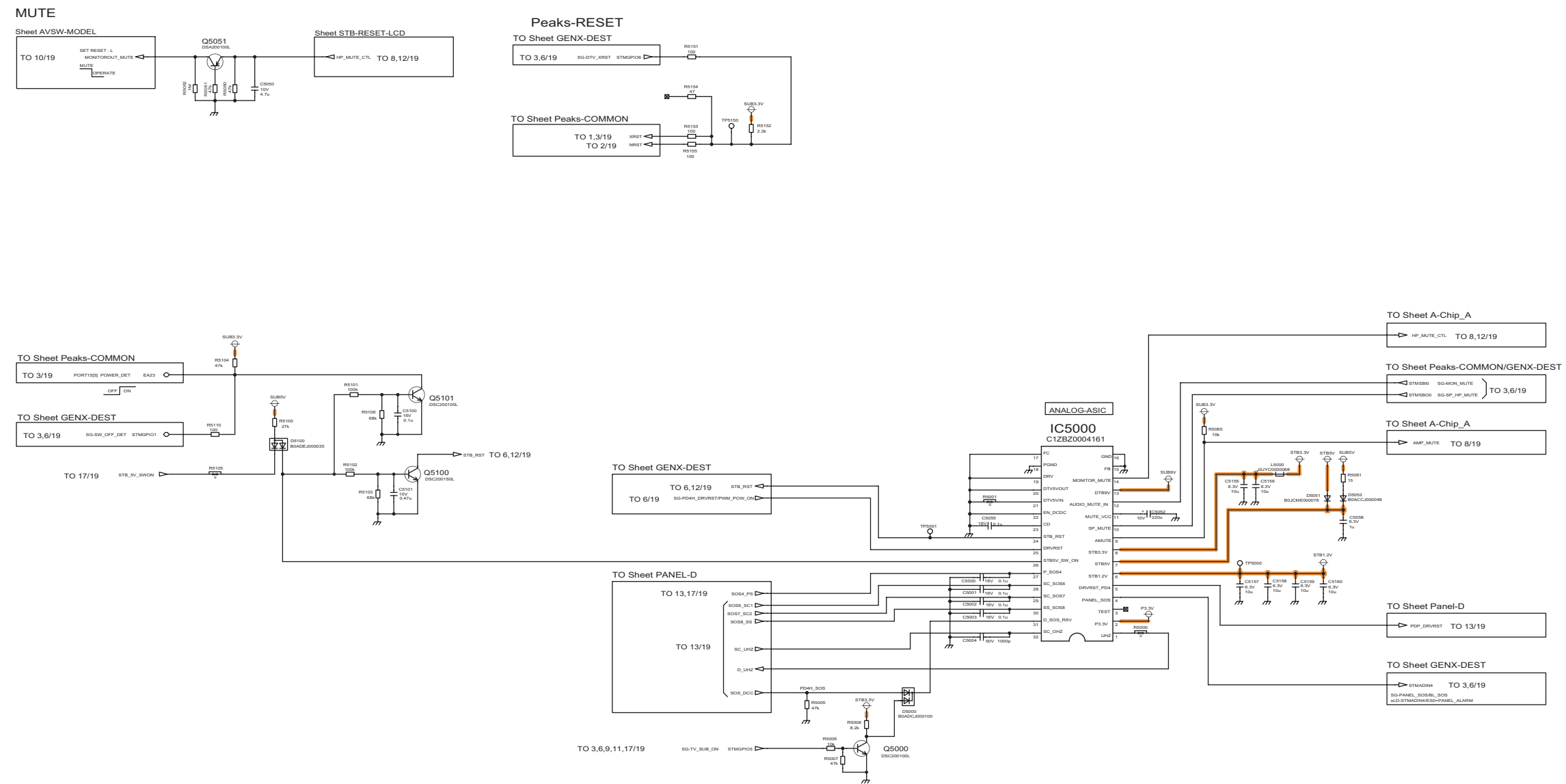
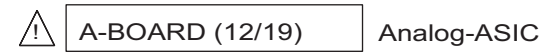
96

97

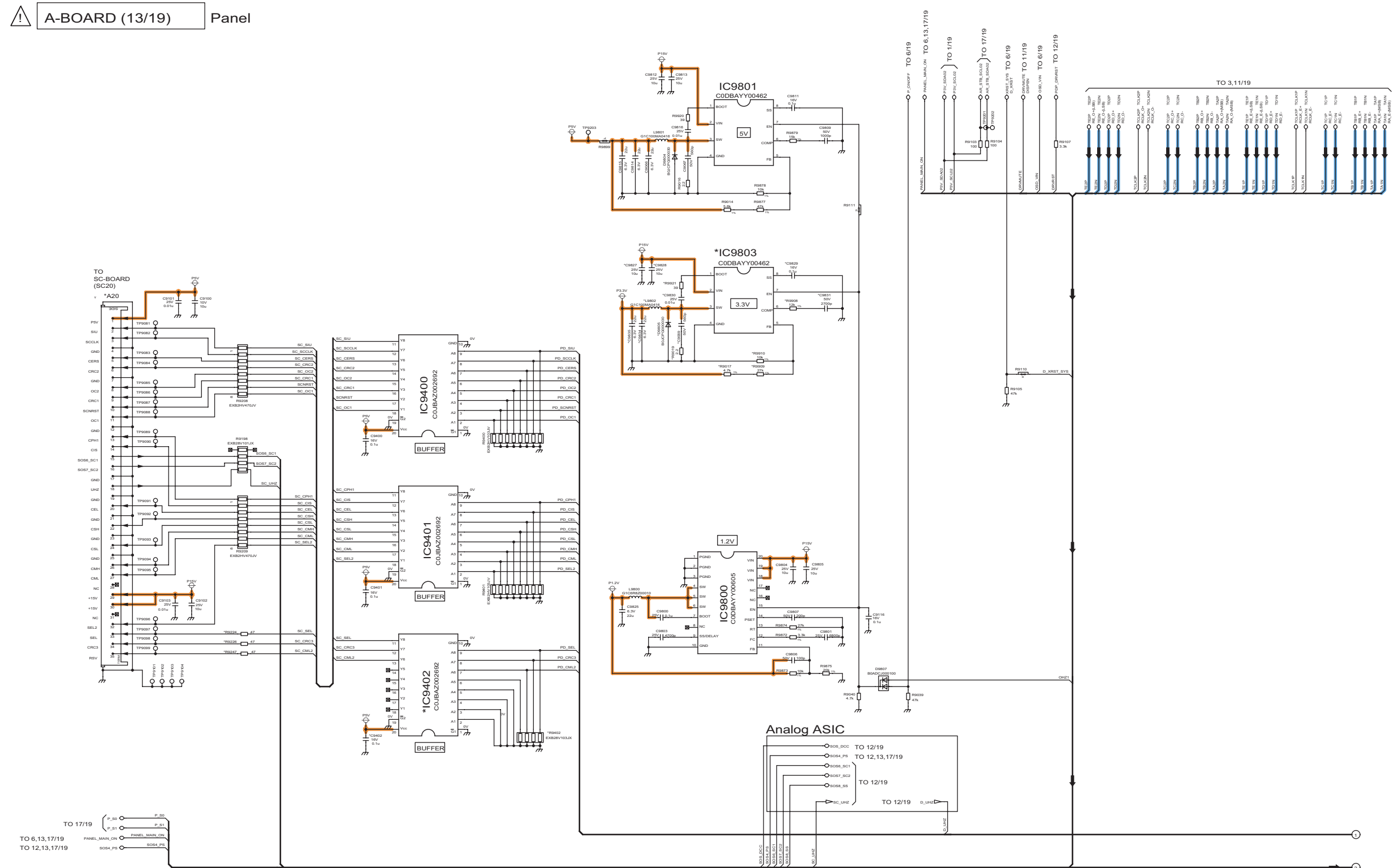
98

99

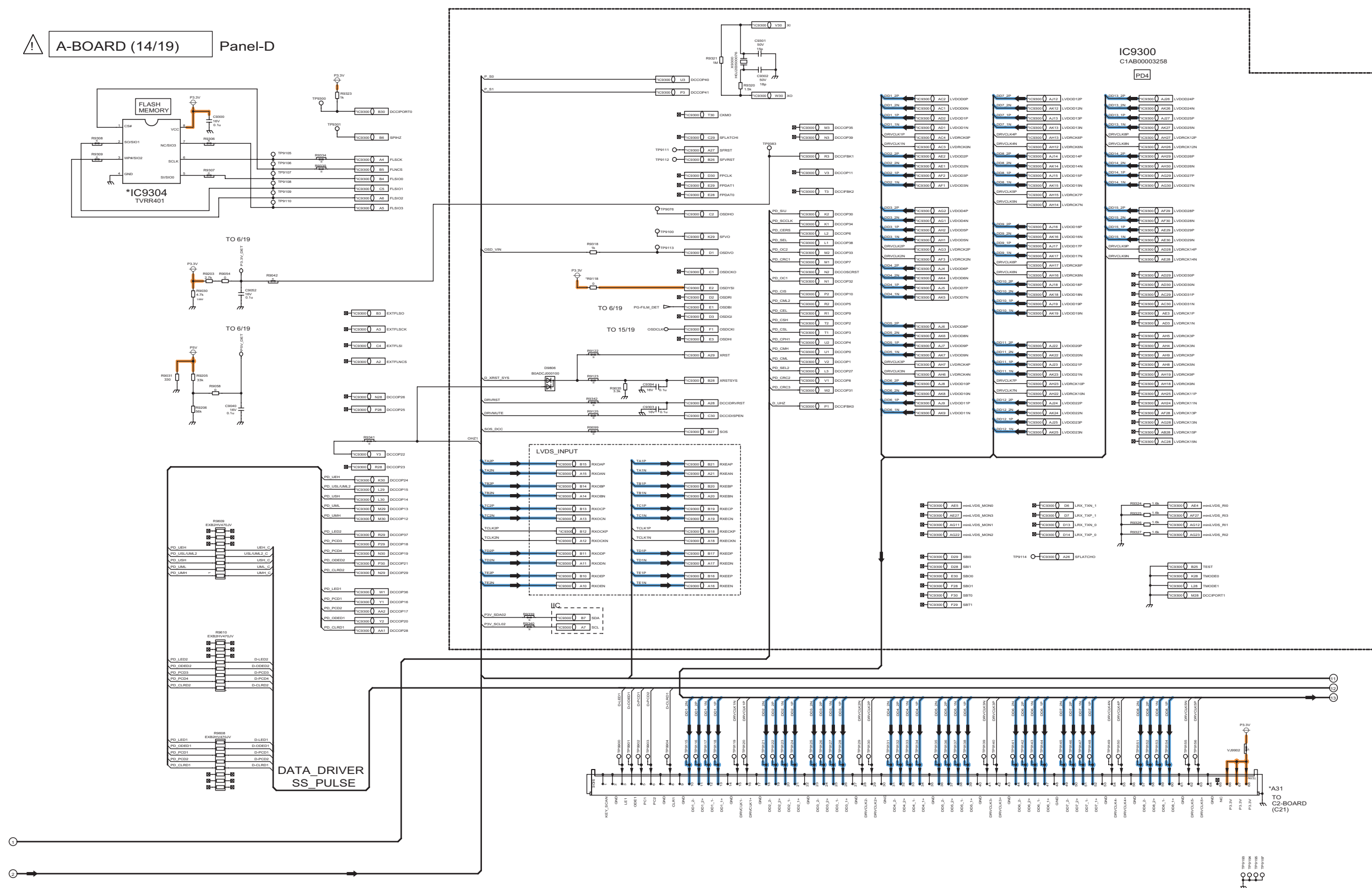
## 12.16. A-Board (12/19) Schematic Diagram



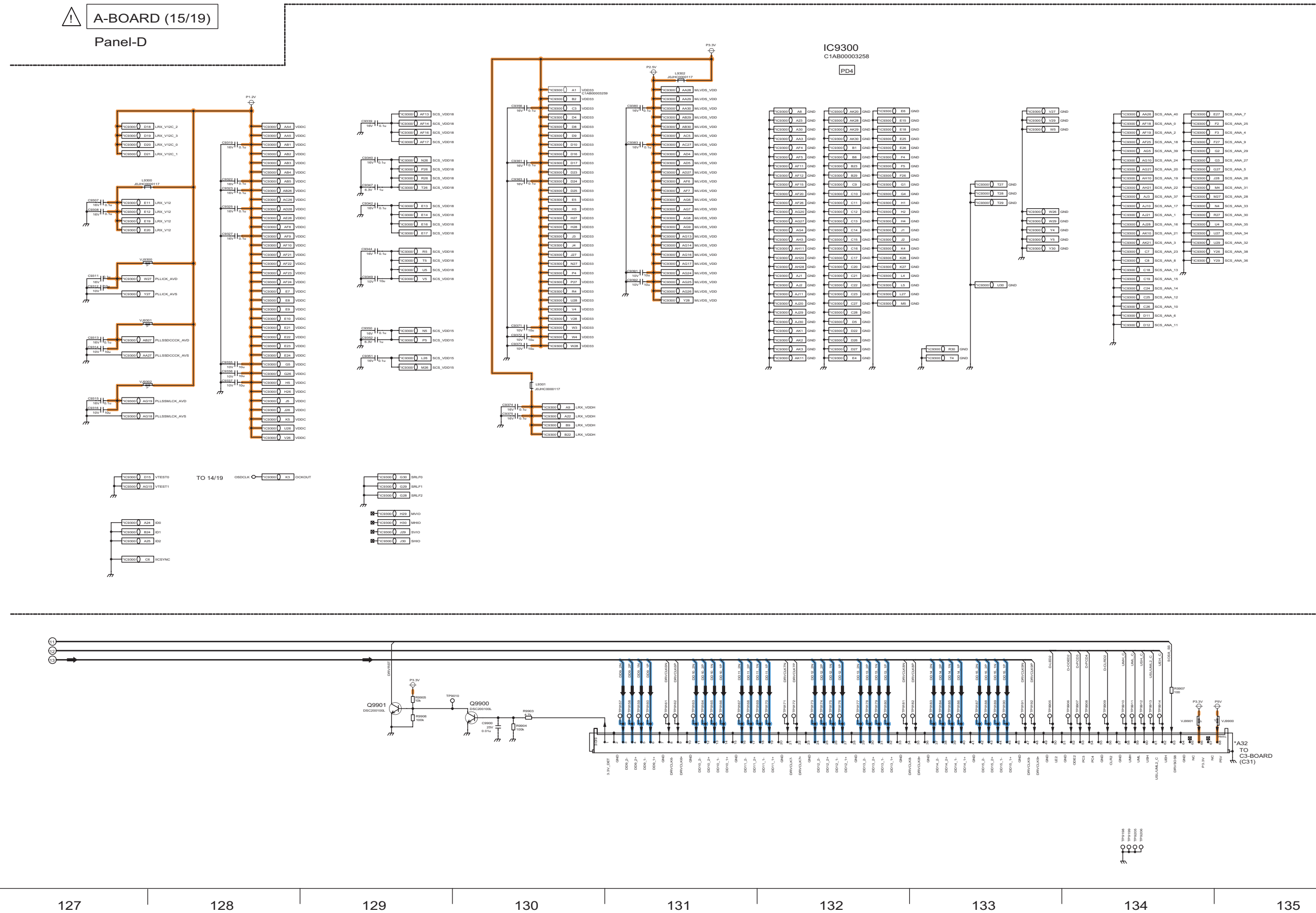
### 12.17. A-Board (13/19) Schematic Diagram



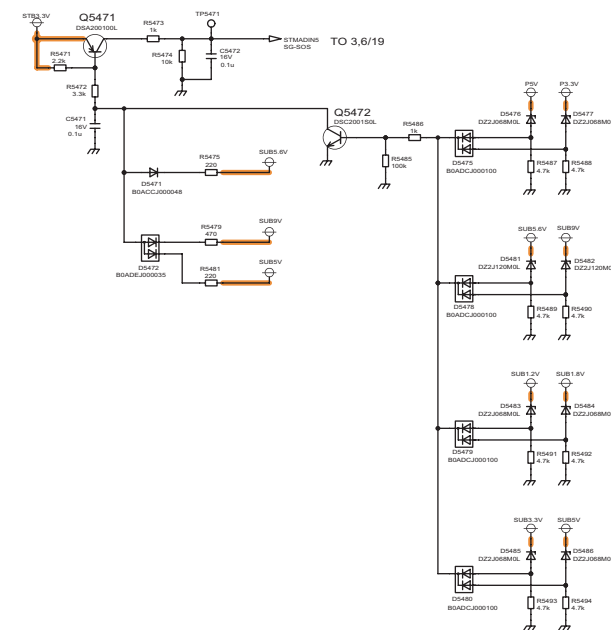
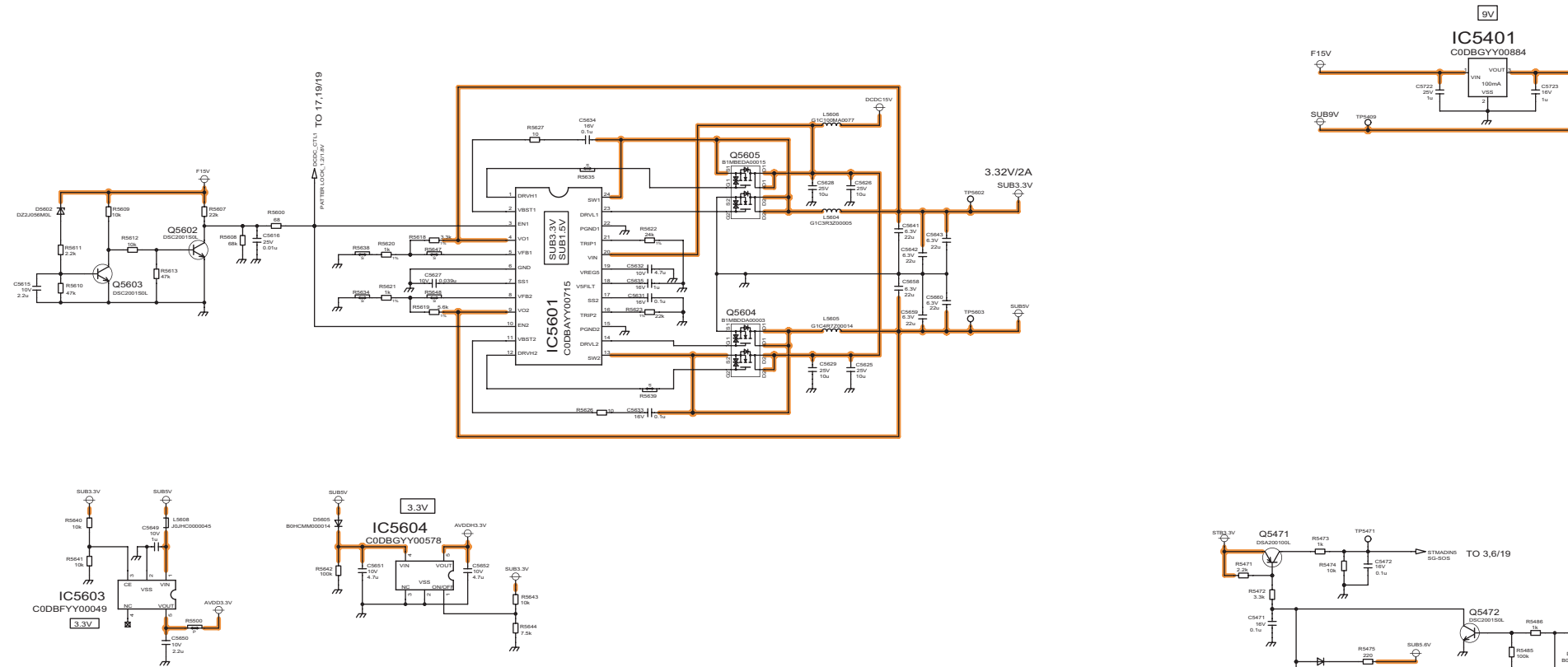
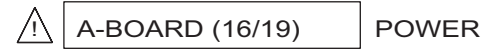
### 12.18. A-Board (14/19) Schematic Diagram



### 12.19. A-Board (15/19) Schematic Diagram

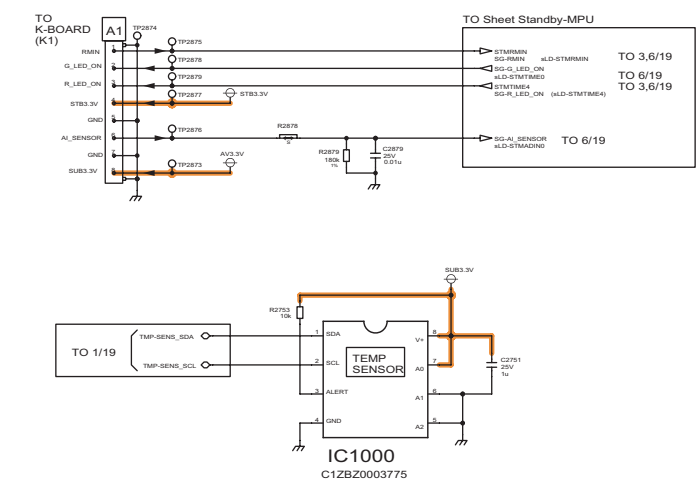
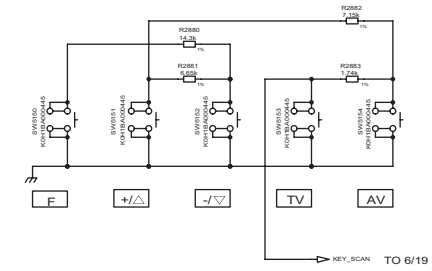
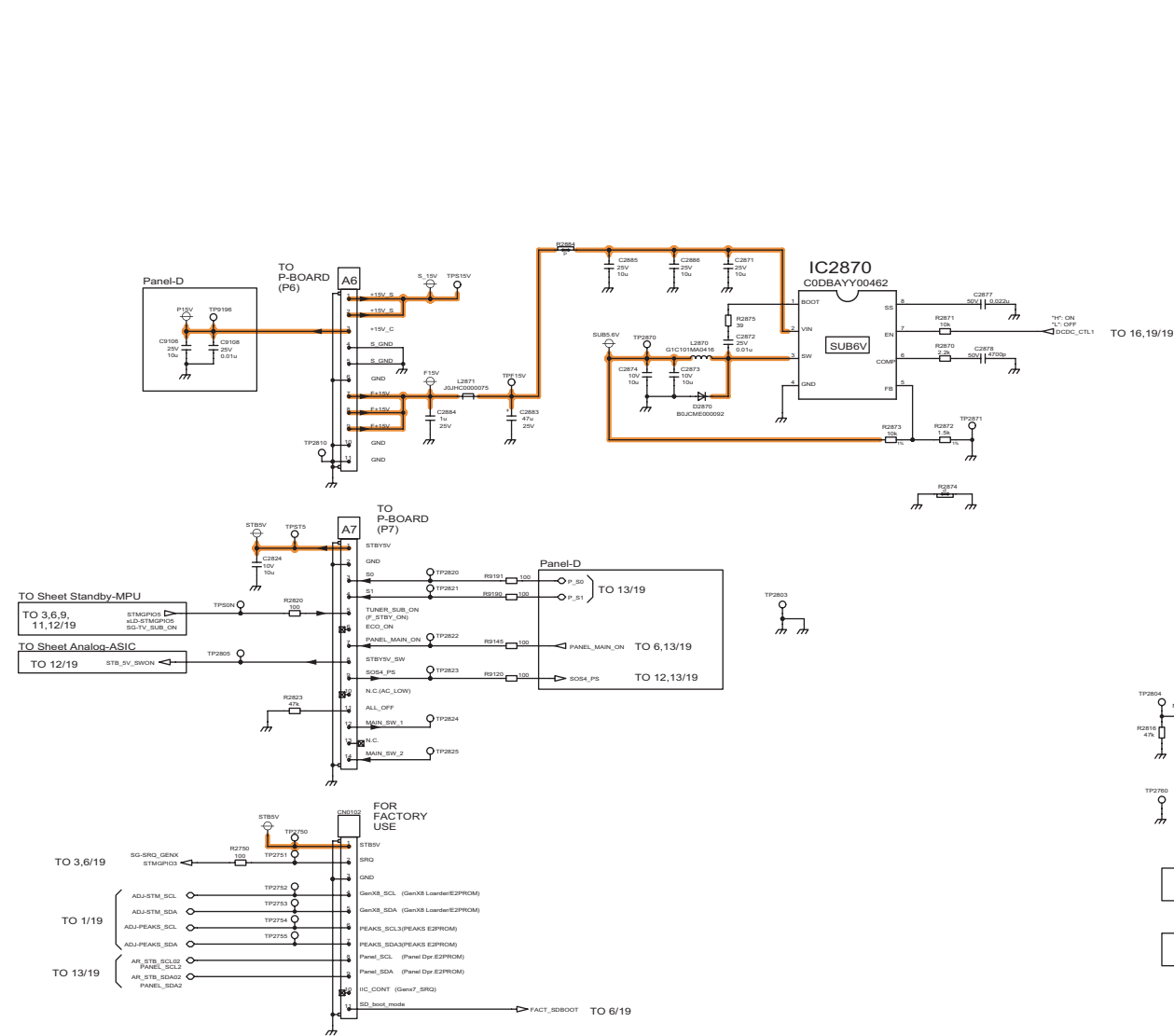


## 12.20. A-Board (16/19) Schematic Diagram



### 12.21. A-Board (17/19) Schematic Diagram

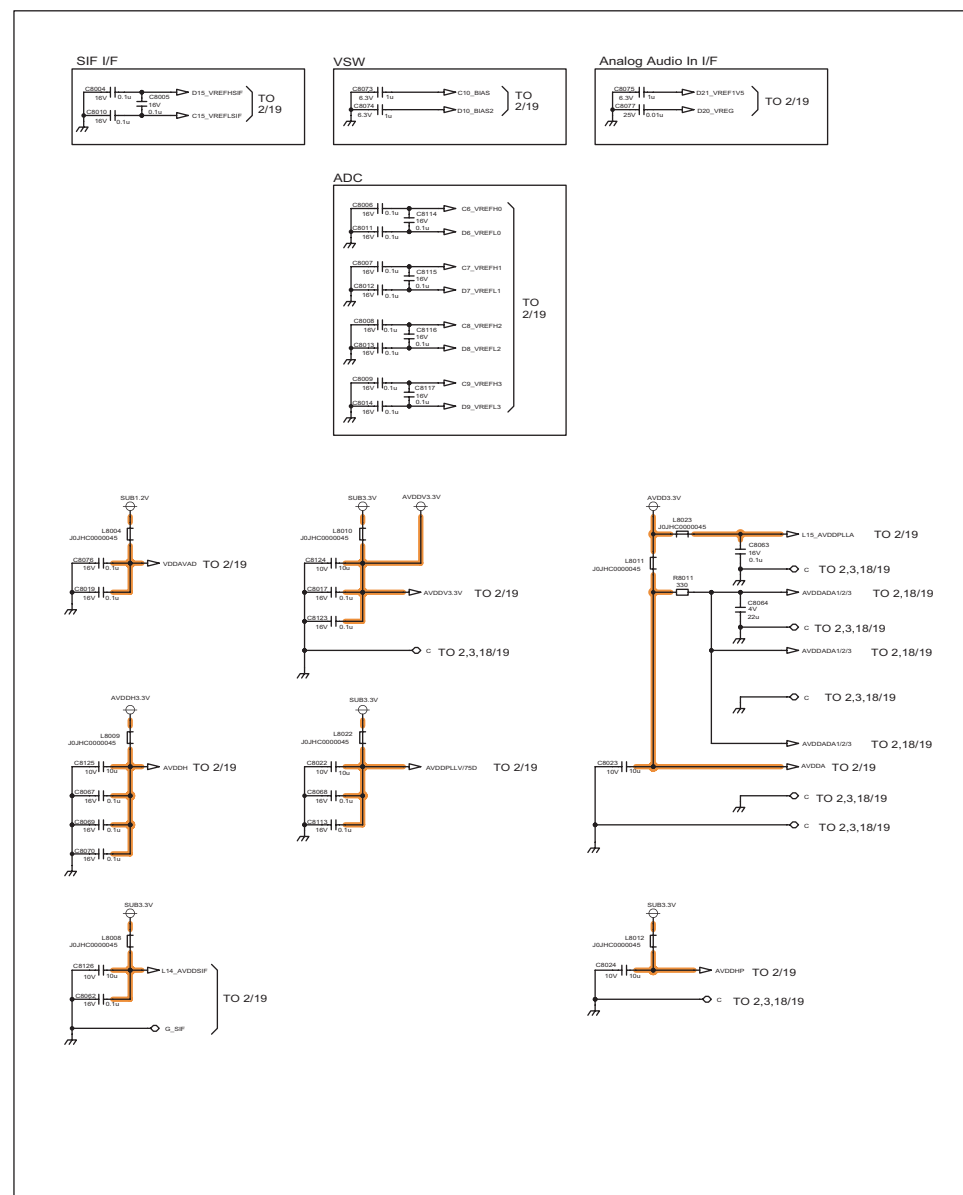
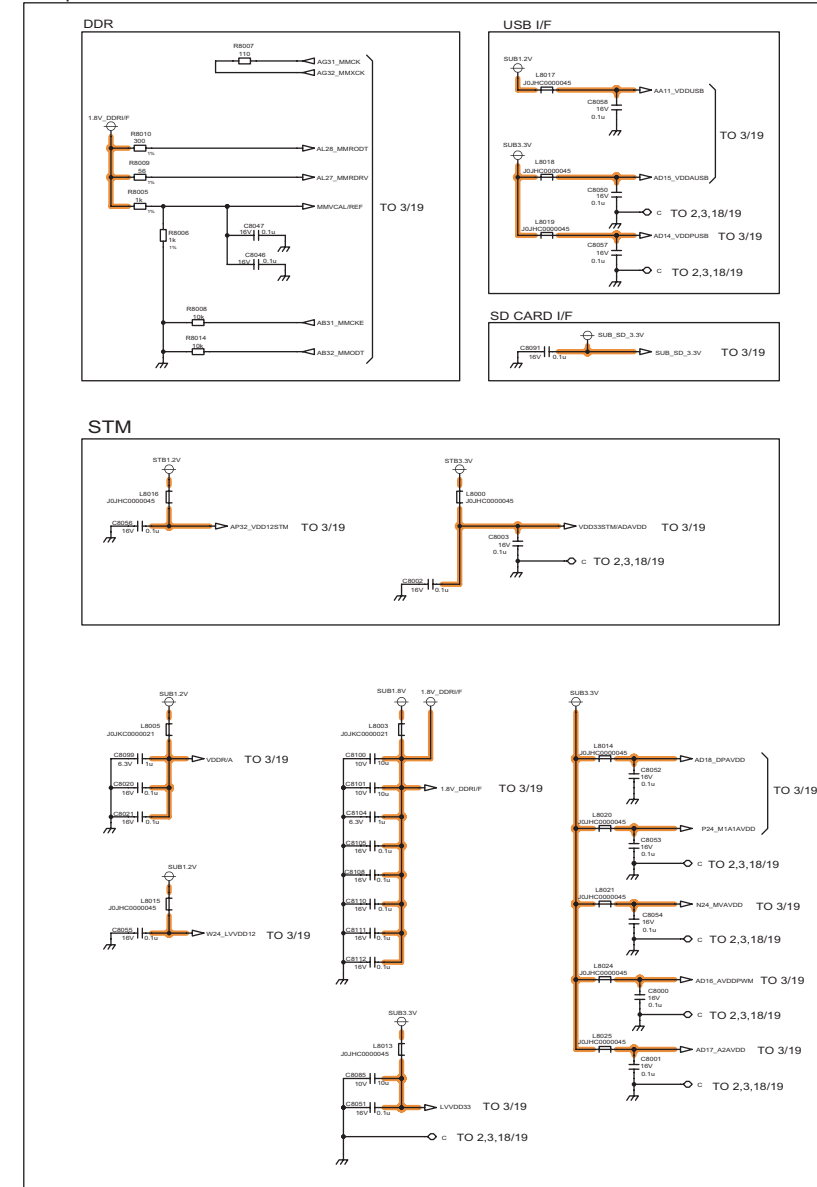
 A-BOARD (17/19) SET



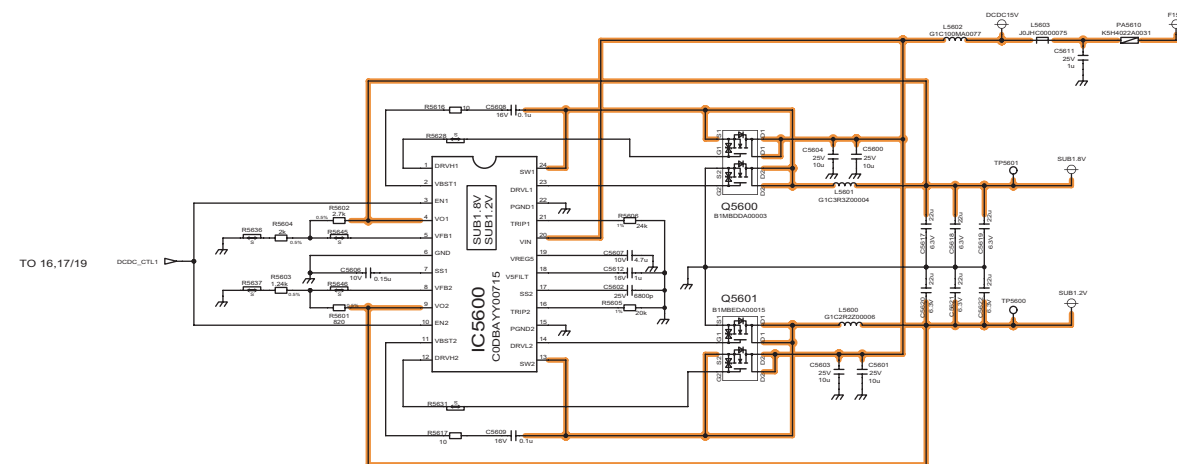
## 12.22. A-Board (18/19) Schematic Diagram



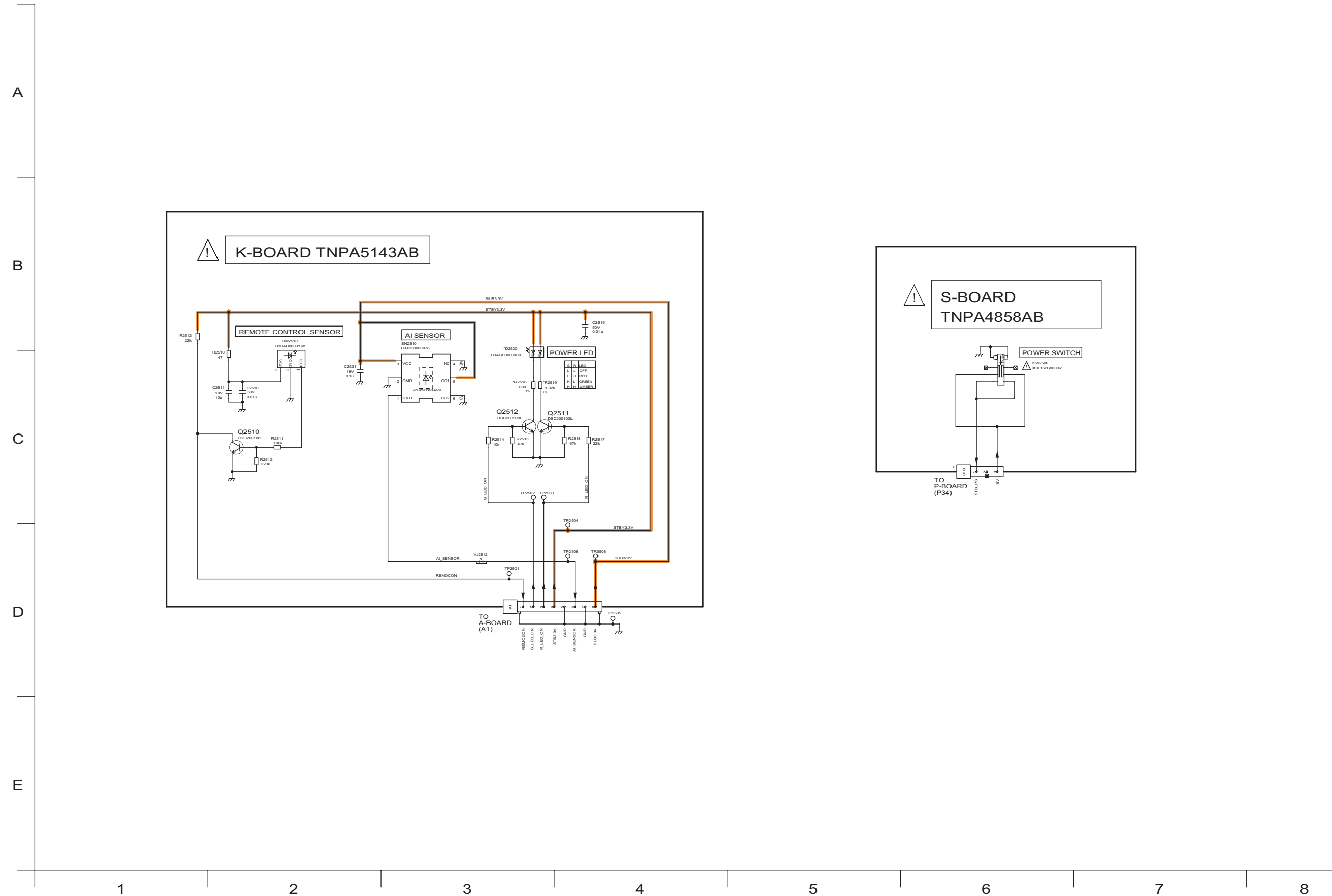
Achip

Dchip

### 12.23. A-Board (19/19) Schematic Diagram



## 12.24. K-Board and S-Board Schematic Diagram



12.25. C1-Board Schematic Diagram

A

B

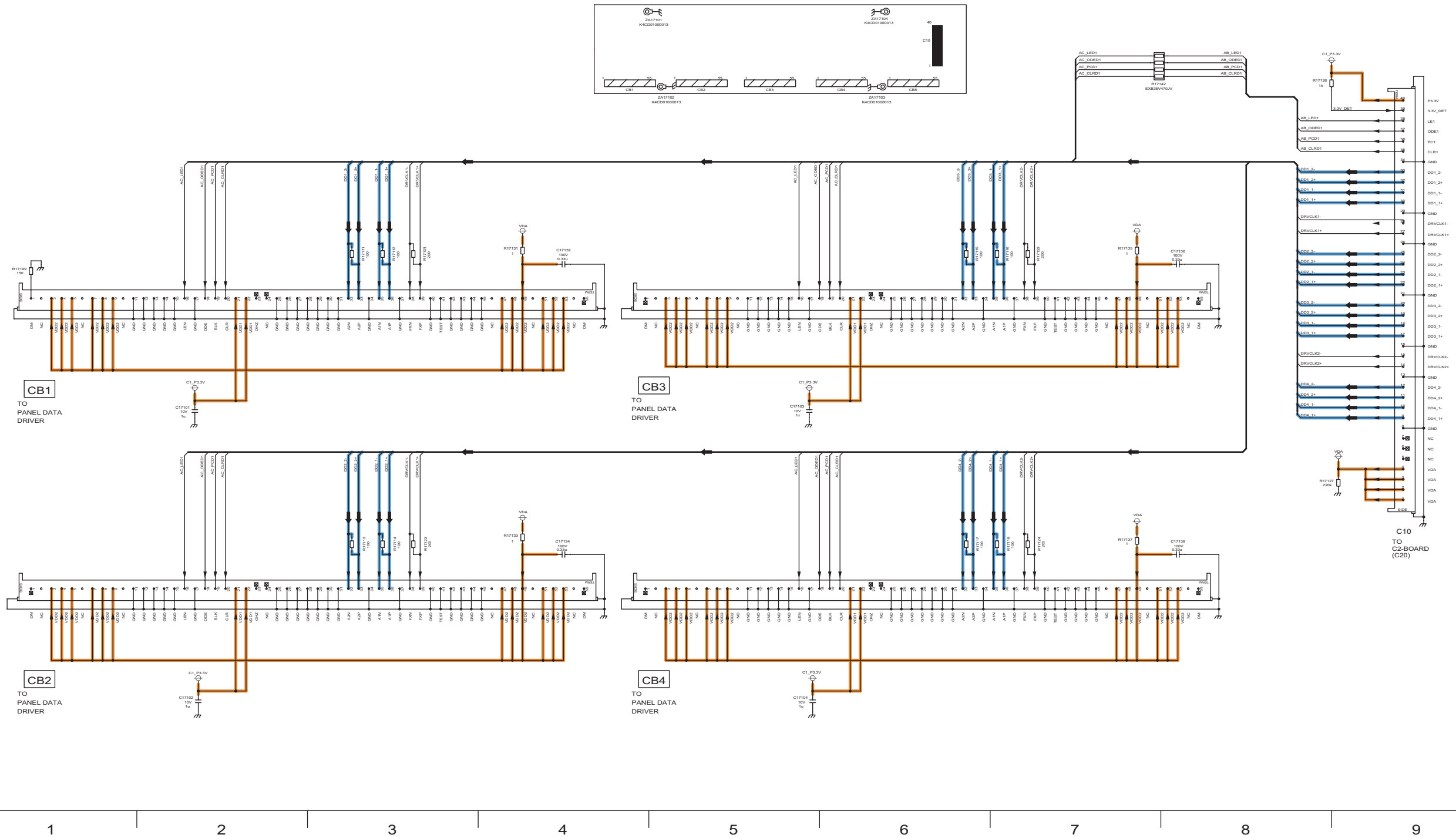
C

D

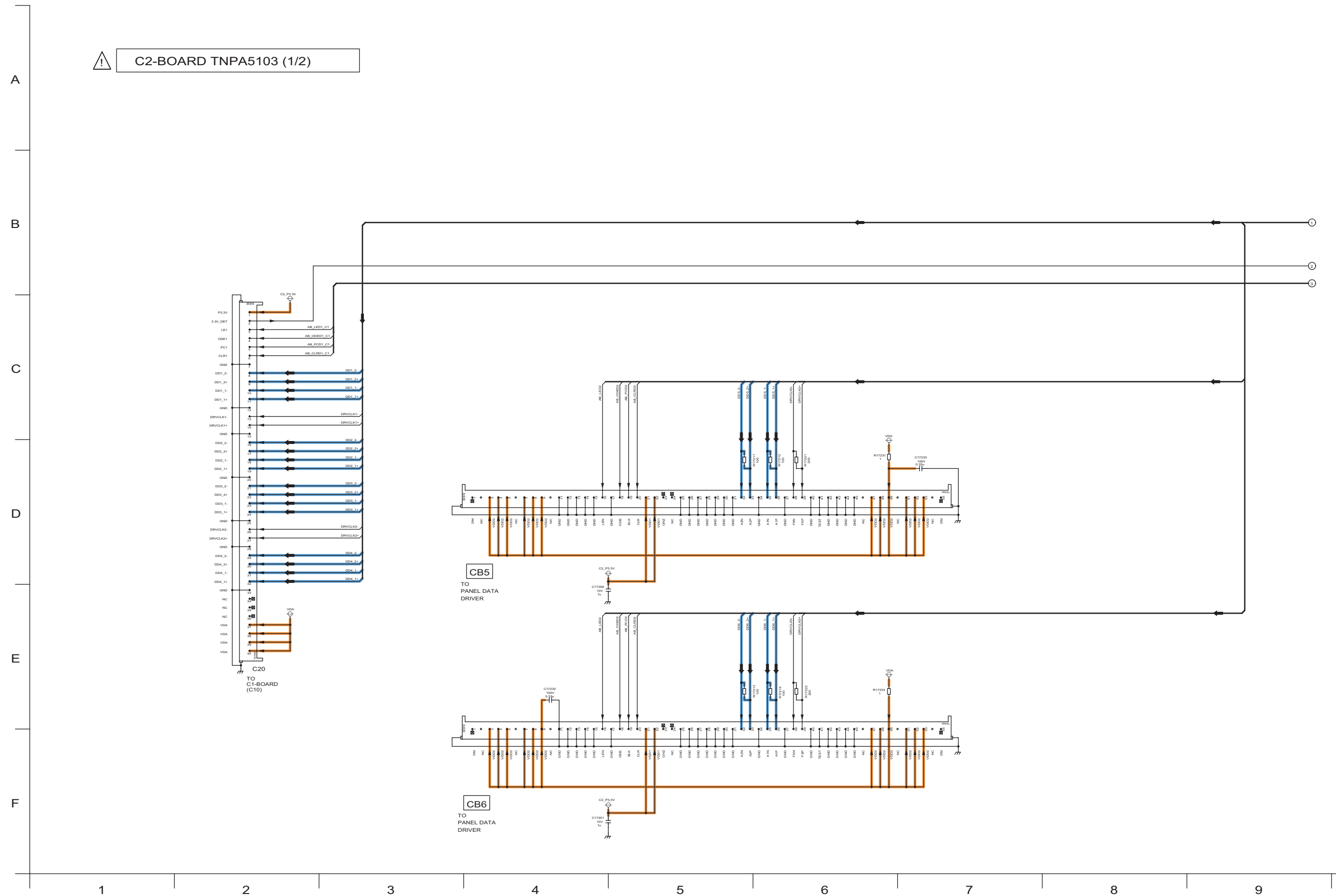
E

F

! C1-BOARD TNPA5102

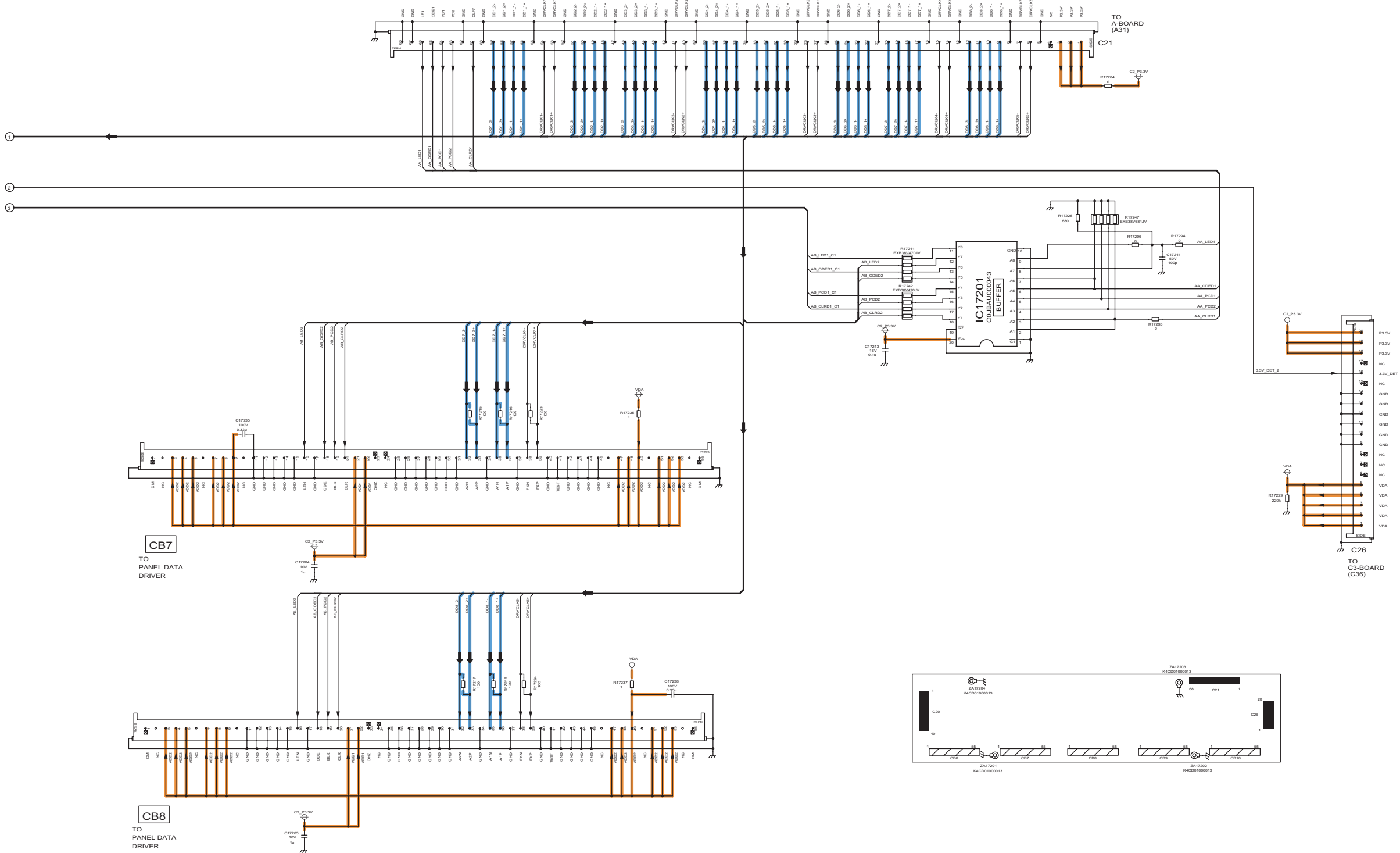


## 12.26. C2-Board (1/2) Schematic Diagram

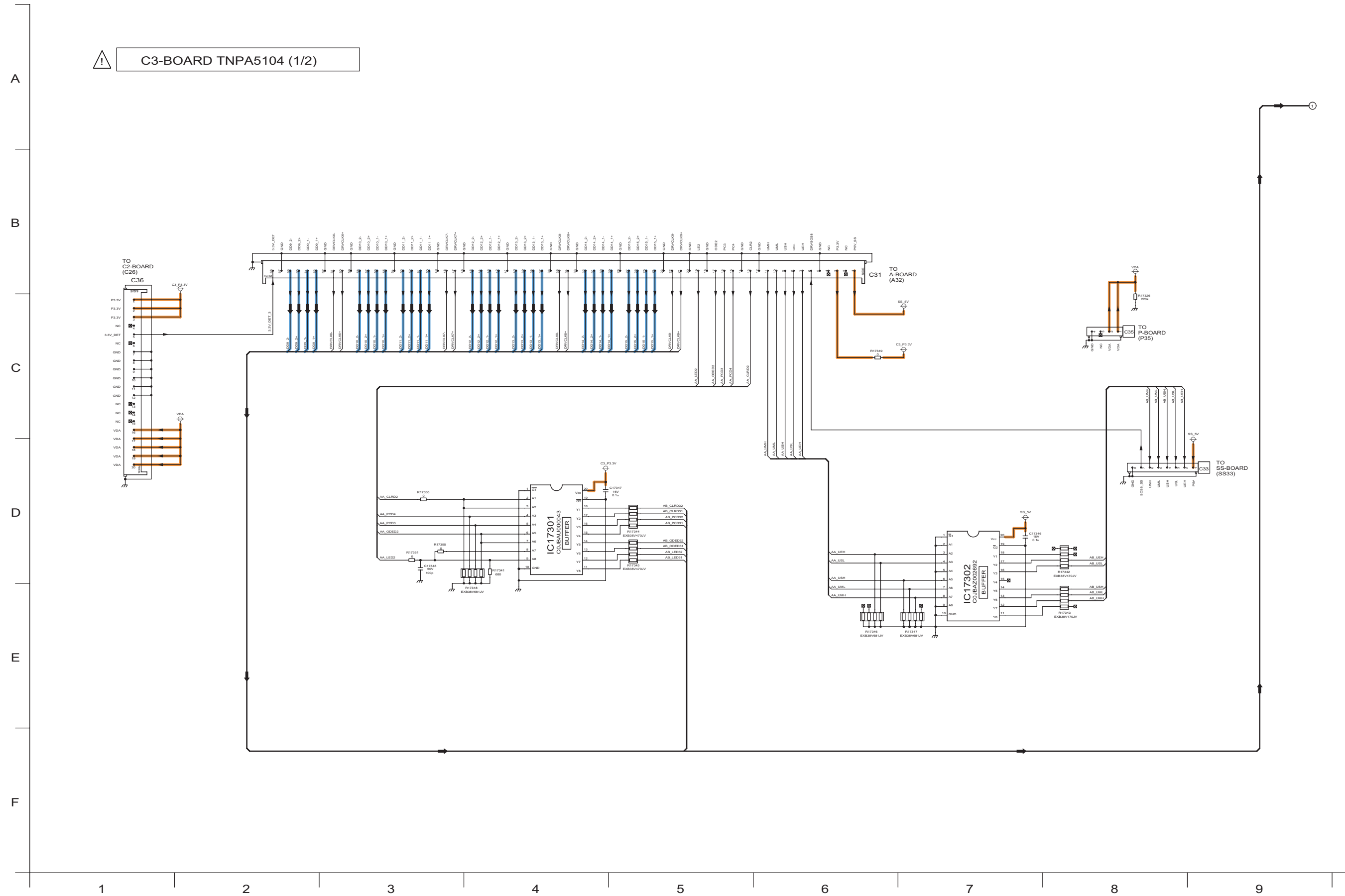


12.27. C2-Board (2/2) Schematic Diagram

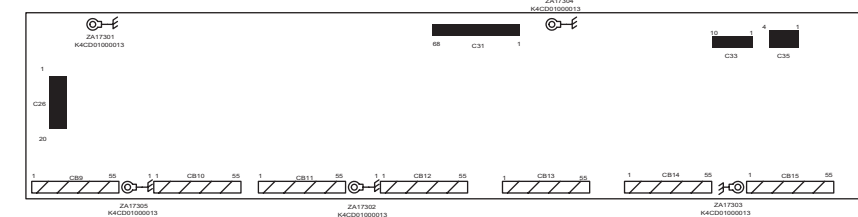
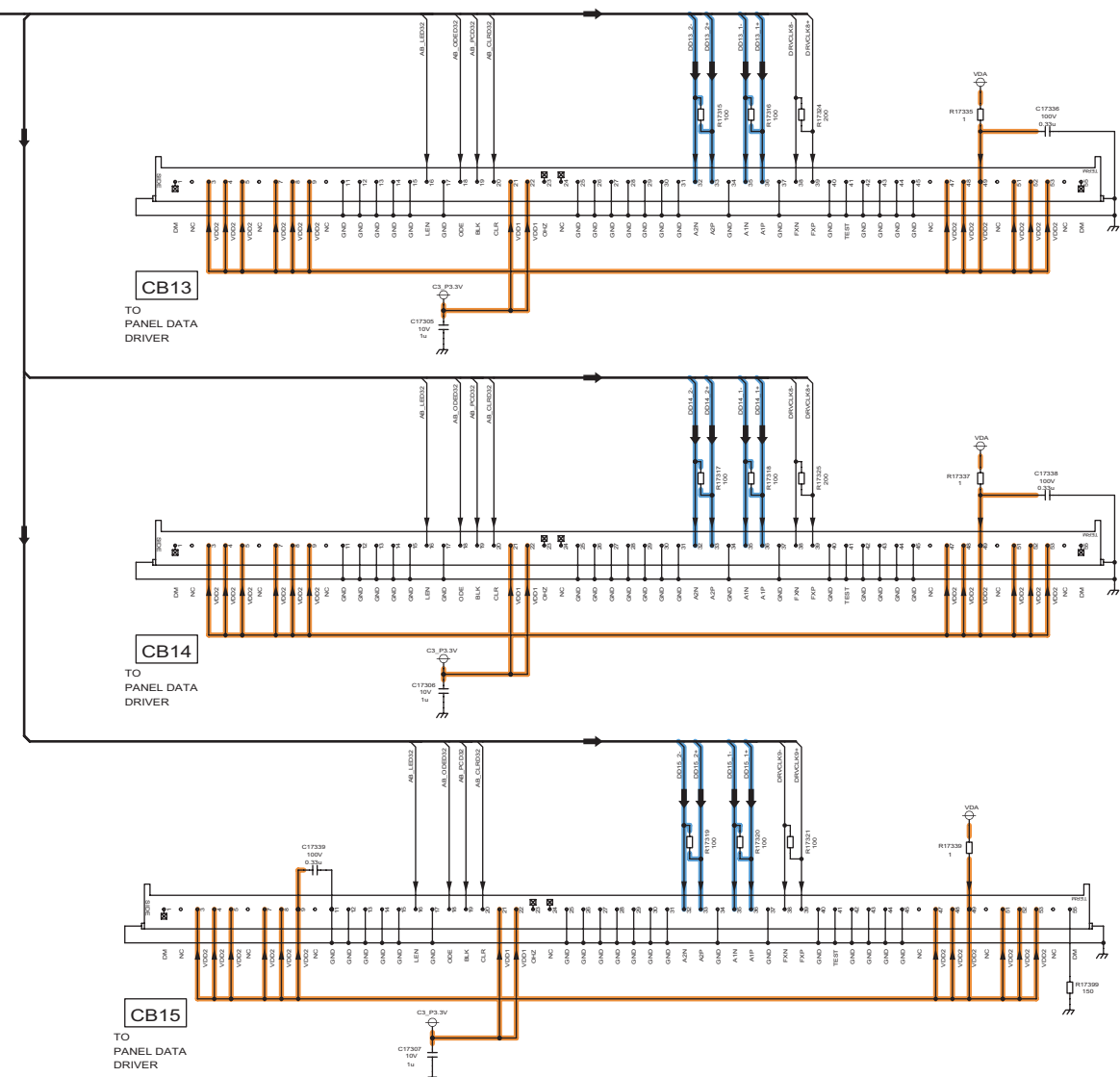
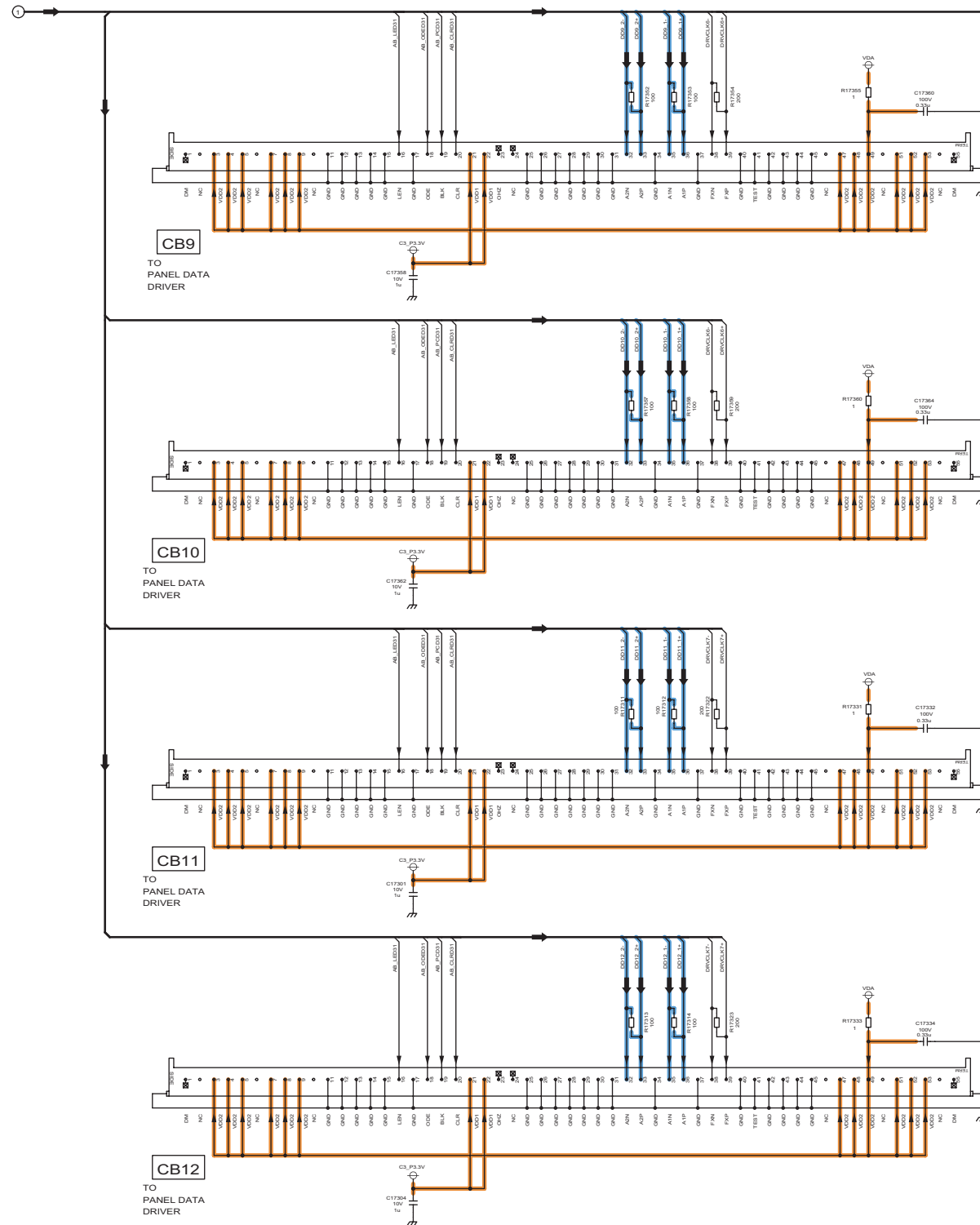
! C2-BOARD TNPA5103 (2/2)



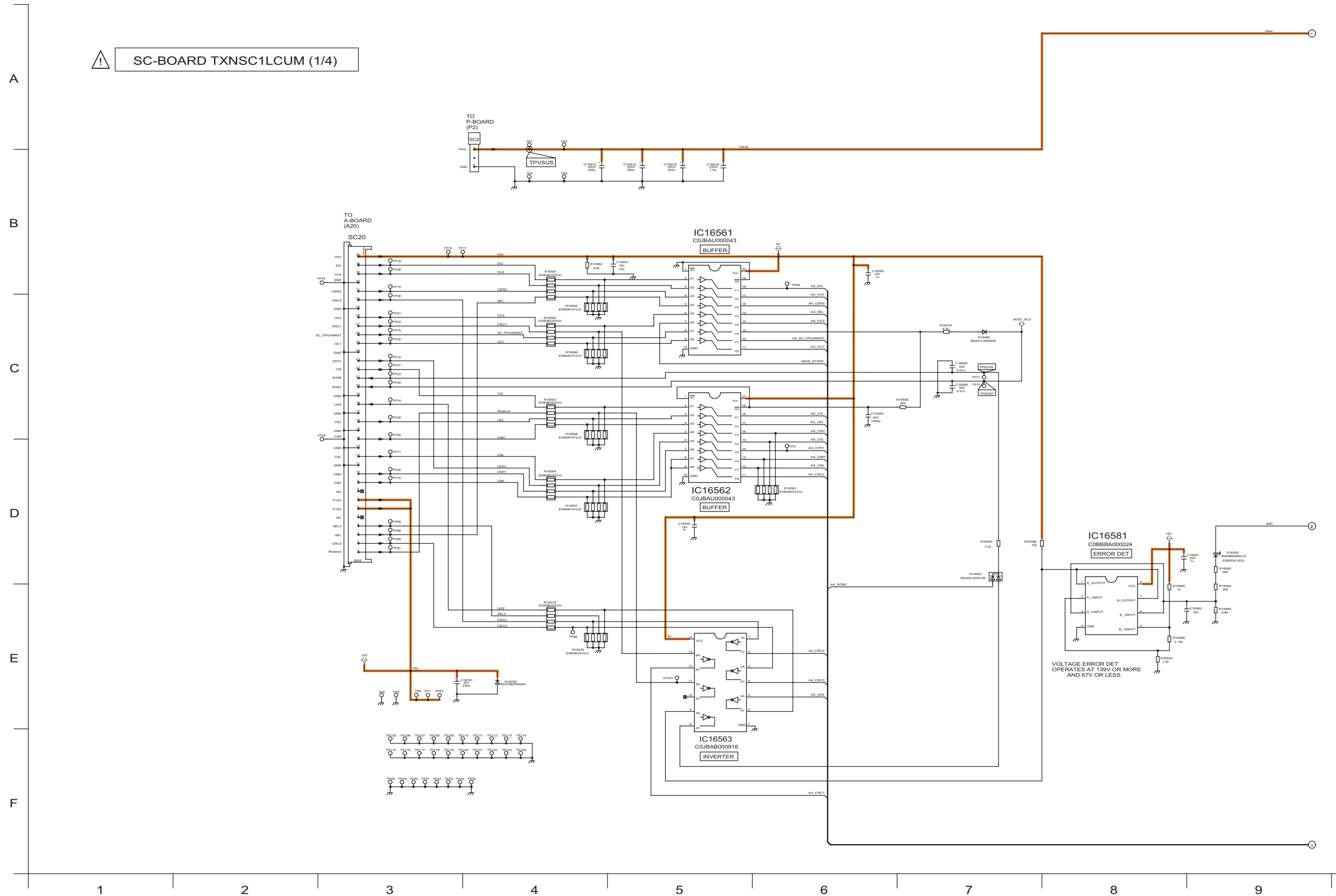
### 12.28. C3-Board (1/2) Schematic Diagram



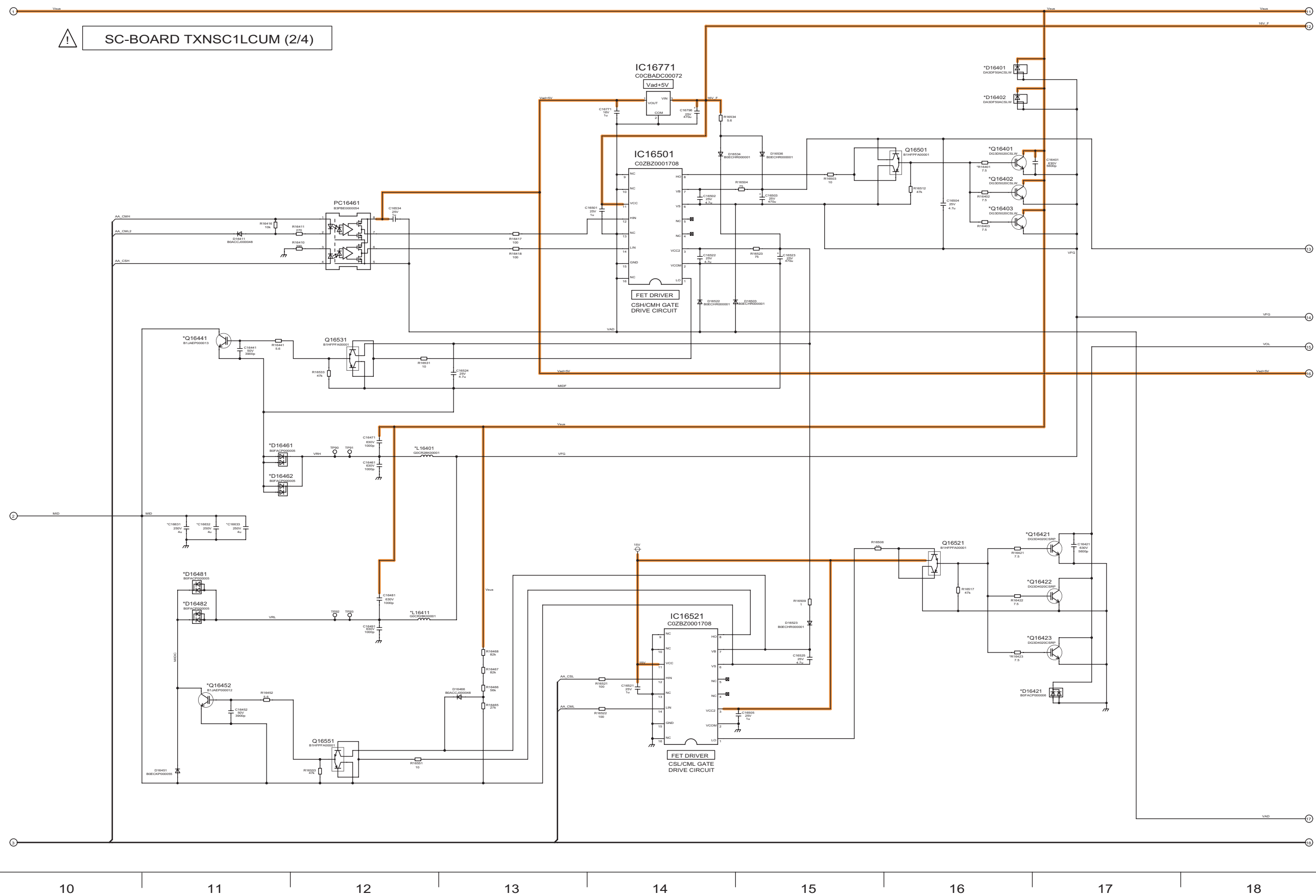
### 12.29. C3-Board (2/2) Schematic Diagram



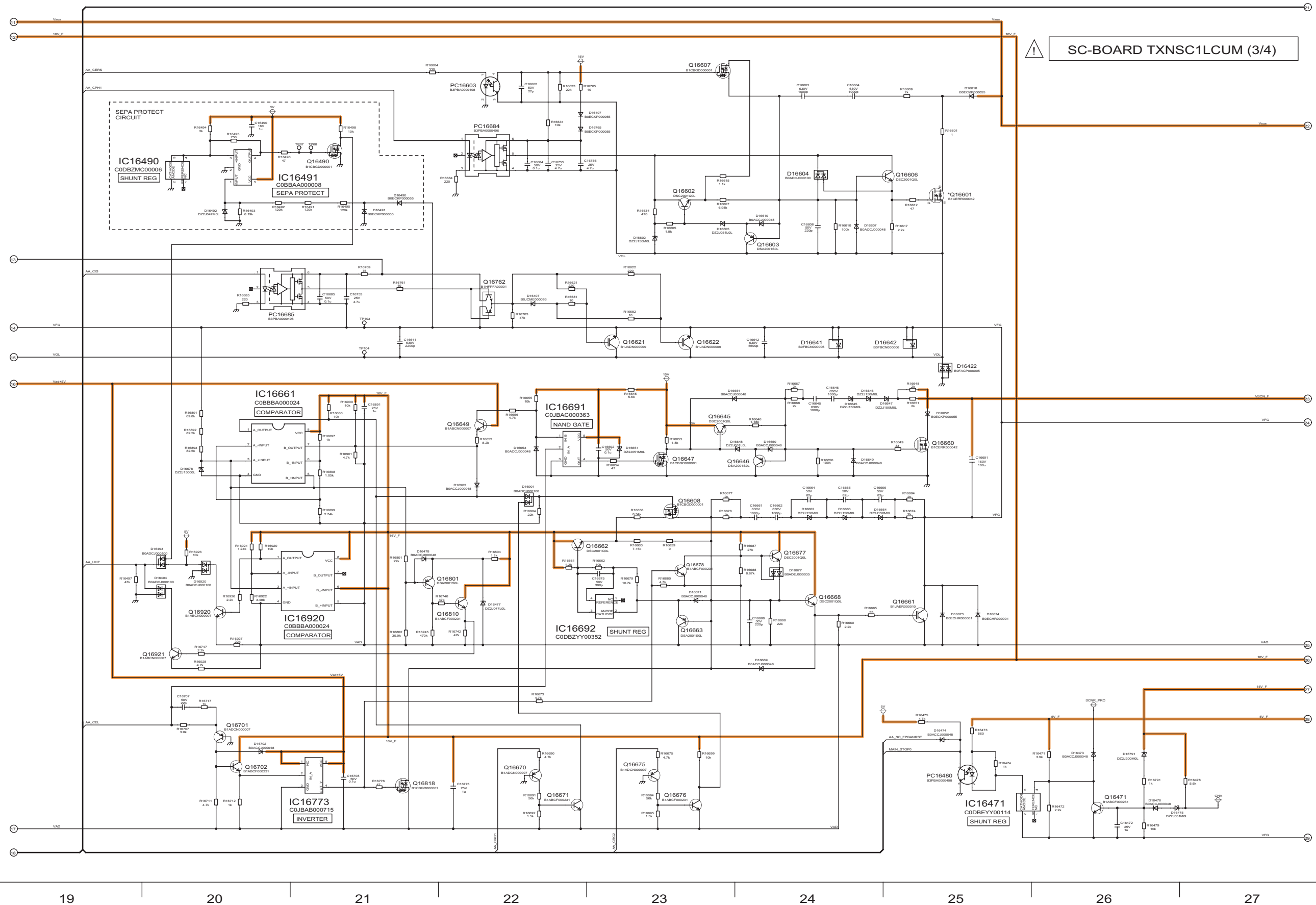
### 12.30. SC-Board (1/4) Schematic Diagram



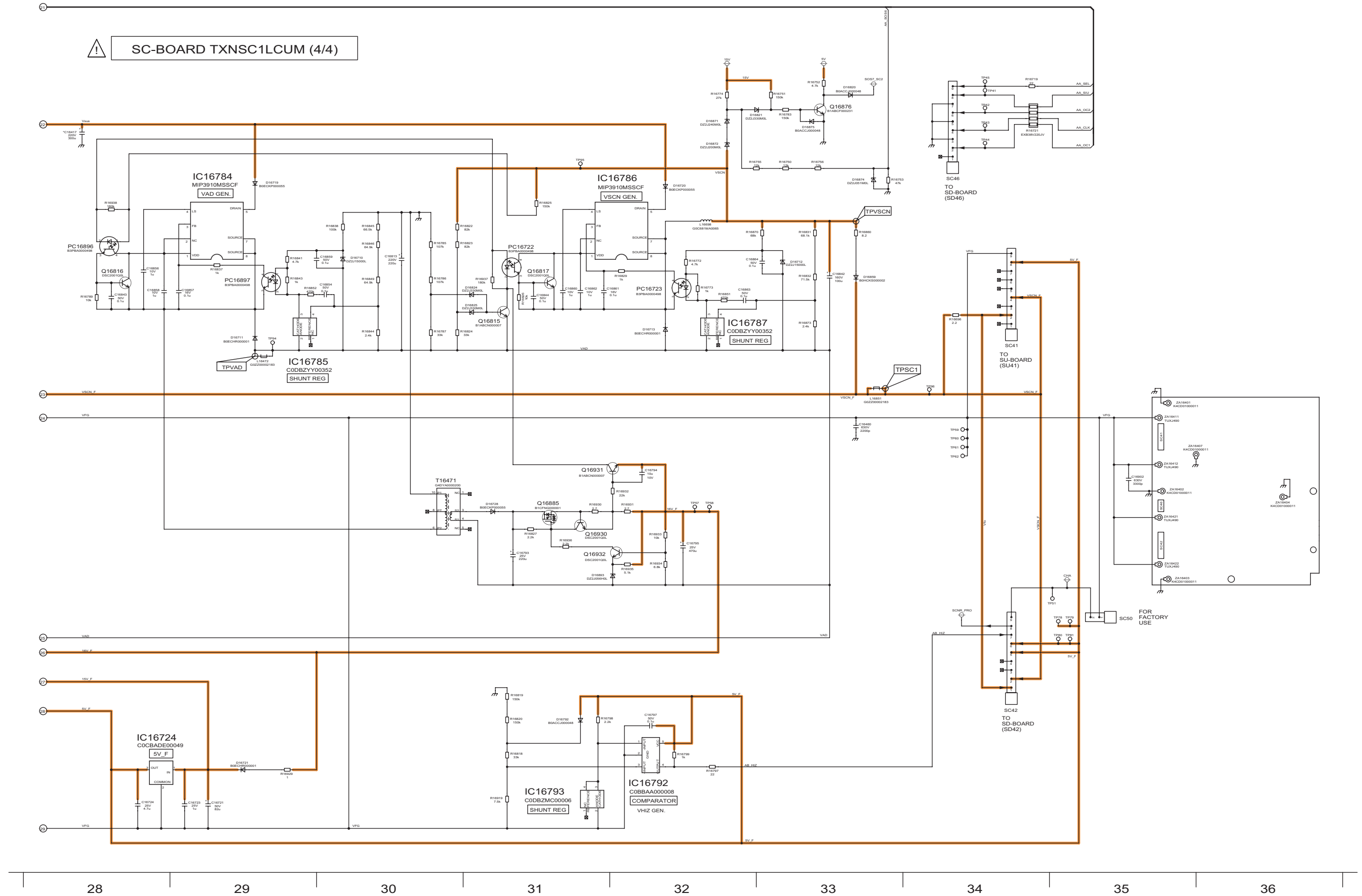
### 12.31. SC-Board (2/4) Schematic Diagram



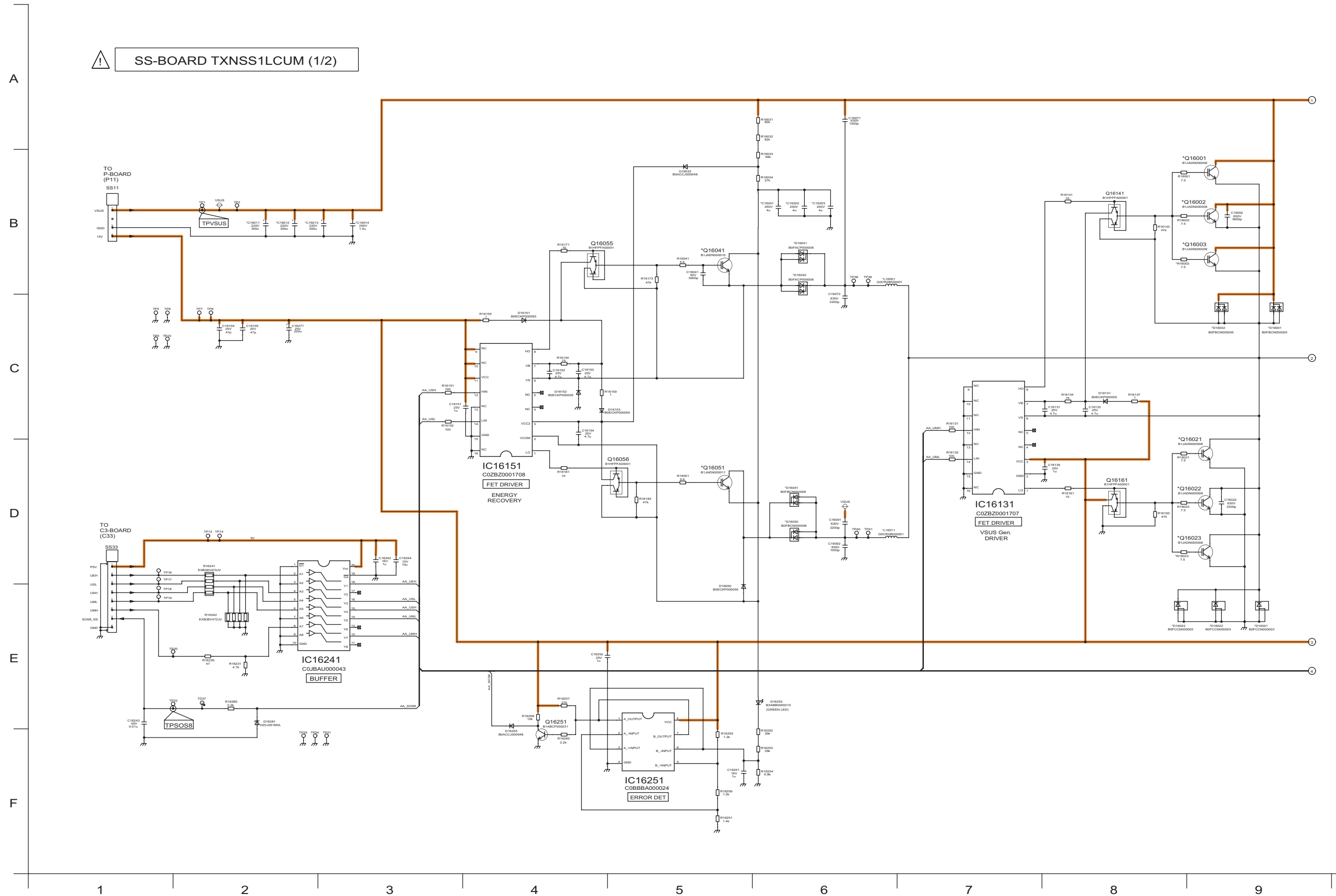
### 12.32. SC-Board (3/4) Schematic Diagram



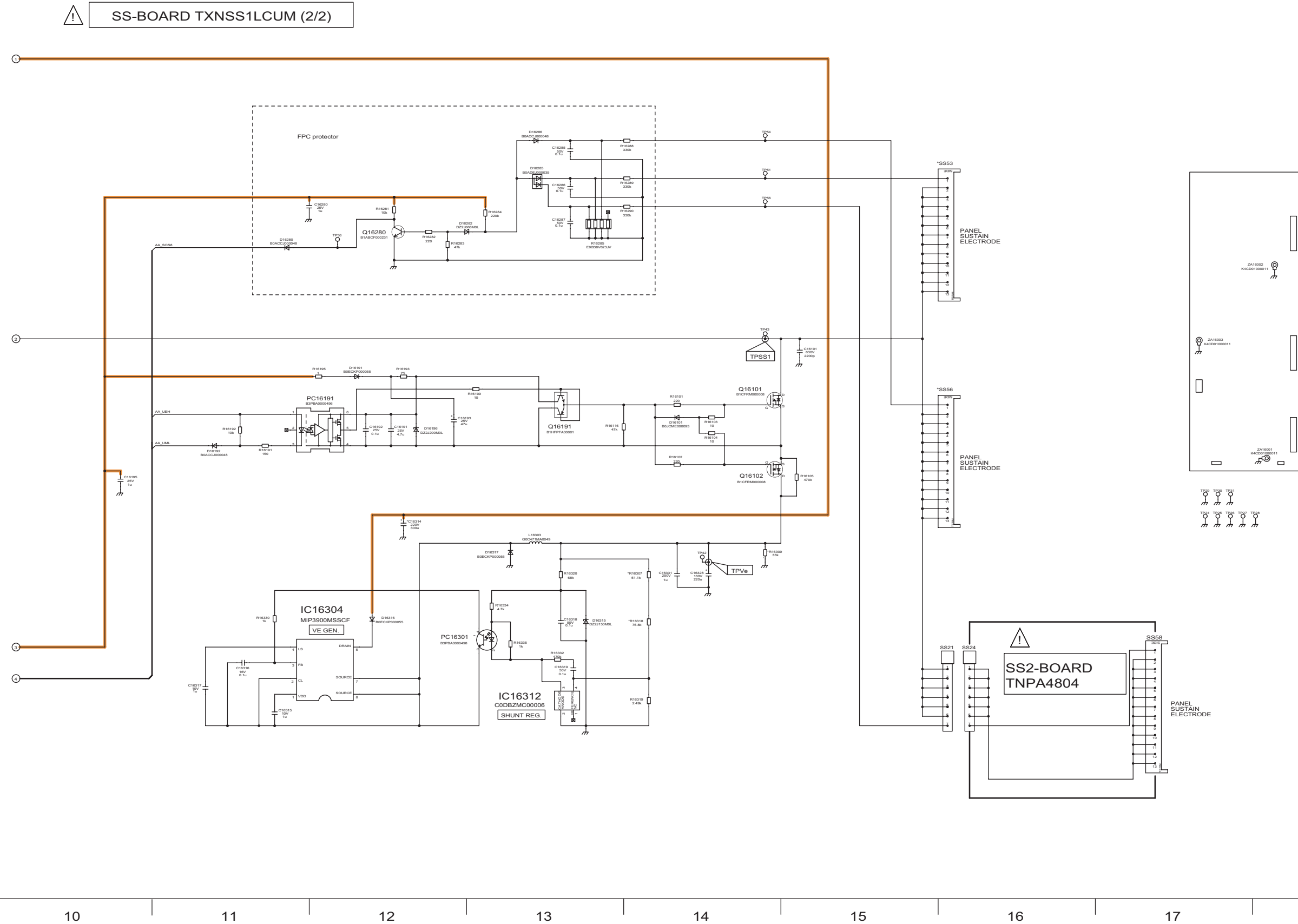
### 12.33. SC-Board (4/4) Schematic Diagram



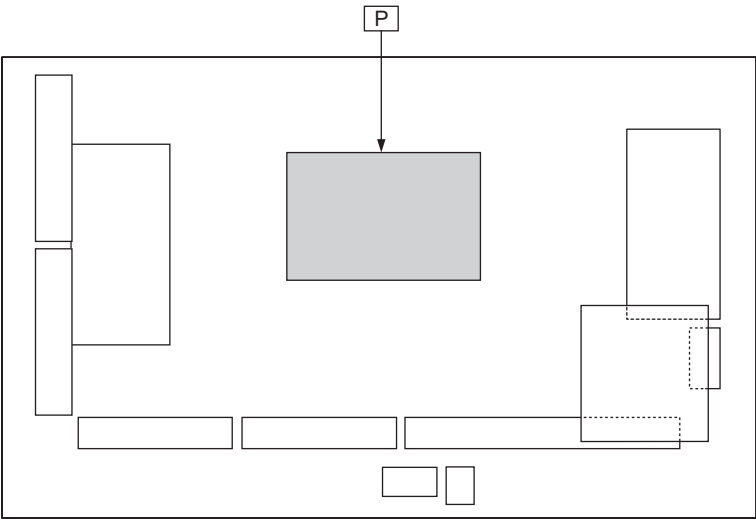
### 12.34. SS-Board (1/2) Schematic Diagram



12.35. SS-Board (2/2) and SS2-Board Schematic Diagram



### 13.1. P-Board



Parts Location

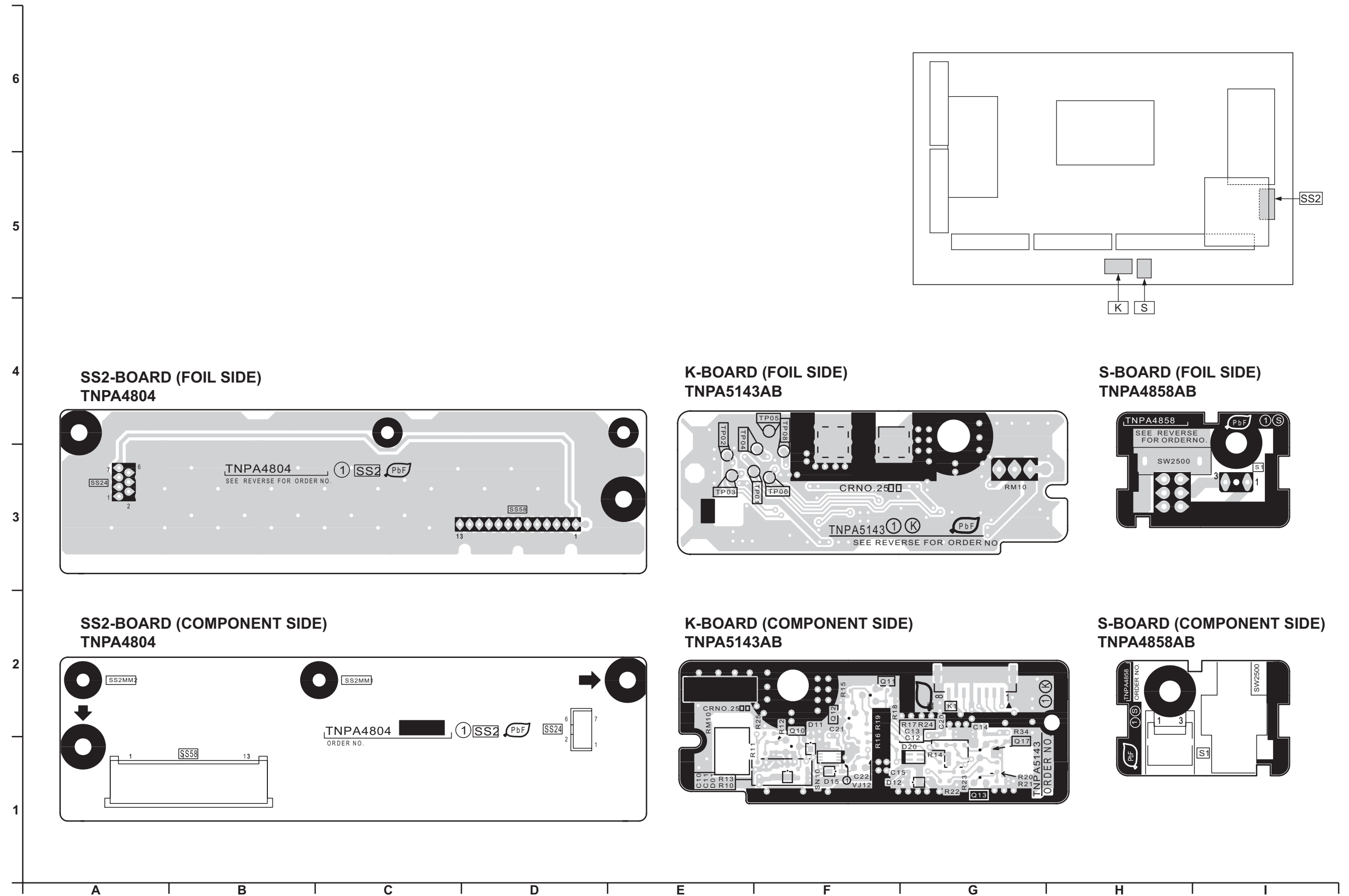
| P-BOARD (FOIL SIDE) |     |            |     |            |     |
|---------------------|-----|------------|-----|------------|-----|
| IC                  |     | TRANSISTOR |     |            |     |
| IC201               | E-4 | Q201       | D-5 | Q601       | F-4 |
| IC202               | E-3 | Q202       | D-4 | Q602       | G-4 |
| IC251               | C-5 | Q203       | E-3 | Q603       | F-4 |
| IC352               | D-3 | Q204       | E-3 | Q604       | F-4 |
| IC403               | B-3 | Q251       | C-6 | Q605       | E-3 |
| IC501               | F-2 | Q252       | C-6 | Q606       | F-3 |
| IC551               | E-1 | Q355       | D-3 | Q607       | E-3 |
| IC601               | G-4 | Q401       | B-4 | Q701       | C-1 |
| IC701               | C-1 | Q402       | B-3 | Q702       | B-1 |
| PHOTO COUPLER       |     | Q403       | B-3 | Q703       | C-1 |
|                     |     | Q404       | B-2 | Q704       | C-1 |
|                     |     | Q405       | B-2 | Q705       | D-2 |
|                     |     | Q406       | C-2 | Q706       | B-2 |
|                     |     | Q407       | B-3 | Q707       | C-1 |
|                     |     | Q408       | B-3 | Q708       | C-2 |
|                     |     | Q502       | G-2 | TEST POINT |     |
|                     |     | Q503       | E-2 | TP5        | H-6 |
|                     |     | Q504       | E-3 | TP9        | B-4 |
|                     |     | Q505       | G-2 | VOLUME     |     |
| PC201               | D-3 | Q506       | G-1 | VR251      | C-5 |
| PC202               | D-3 | Q551       | D-2 | VR401      | B-2 |
| PC501               | E-2 | Q557       | D-1 |            |     |
| PC502               | F-1 | Q558       | D-2 |            |     |
| PC504               | F-1 | Q559       | D-2 |            |     |

Parts Location

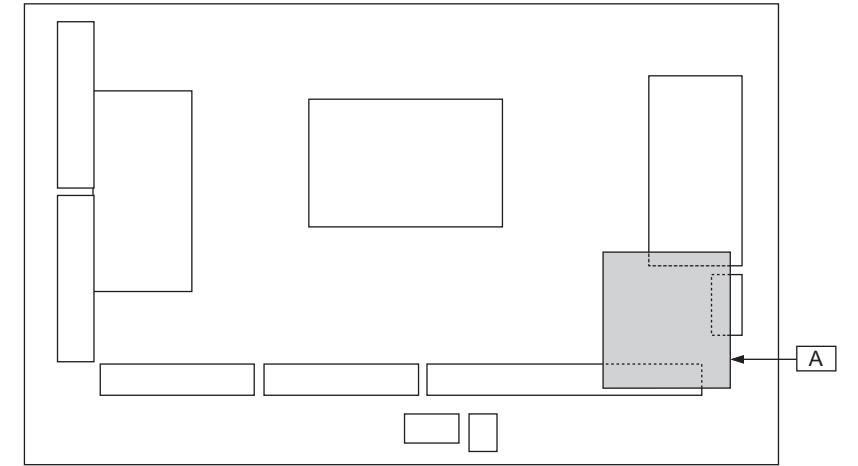
| P-BOARD (COMPONENT SIDE) |     |            |     |            |     |
|--------------------------|-----|------------|-----|------------|-----|
| IC                       |     | TRANSISTOR |     | TEST POINT |     |
| IC201                    | E-4 | Q201       | F-5 | TP5        | B-6 |
| IC501                    | D-2 | Q202       | F-4 | TP9        | H-4 |
|                          |     | Q355       | F-3 | VOLUME     |     |
|                          |     | Q401       | H-4 | VR251      | F-5 |
|                          |     | Q402       | H-3 | VR401      | H-2 |
|                          |     | Q403       | H-3 |            |     |
|                          |     | Q551       | F-2 |            |     |
|                          |     | Q601       | D-4 |            |     |
|                          |     | Q604       | D-4 |            |     |
|                          |     | Q606       | D-3 |            |     |
|                          |     |            |     |            |     |
|                          |     |            |     |            |     |



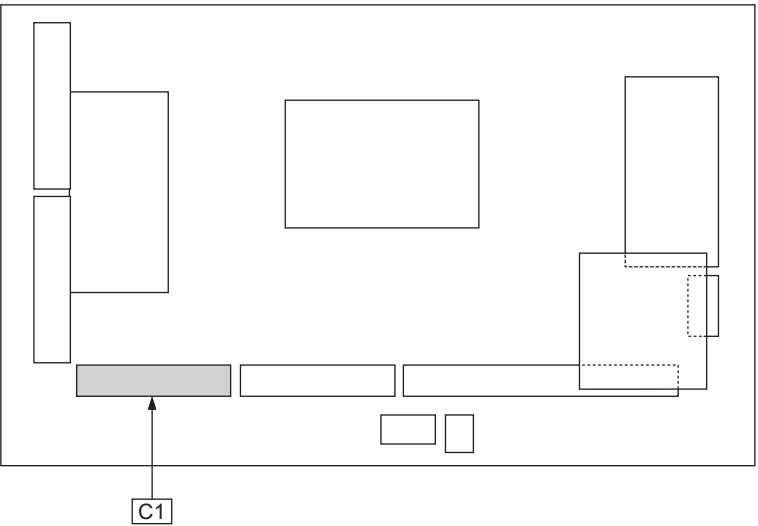
### 13.2. K, S and SS2-Board



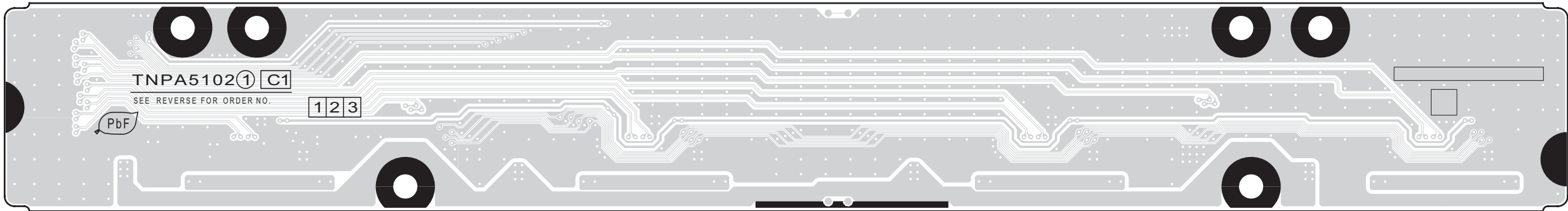


[illegible]

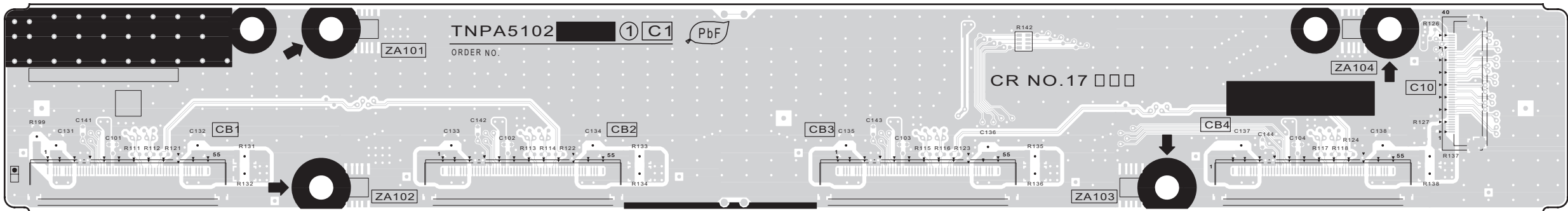
13.4. C1-Board



C1-BOARD (FOIL SIDE)  
TNPA5102

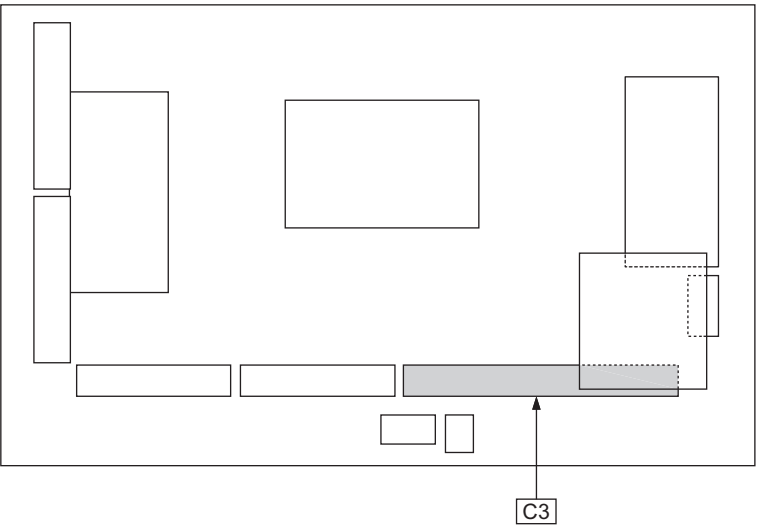


C1-BOARD (COMPONENT SIDE)  
TNPA5102

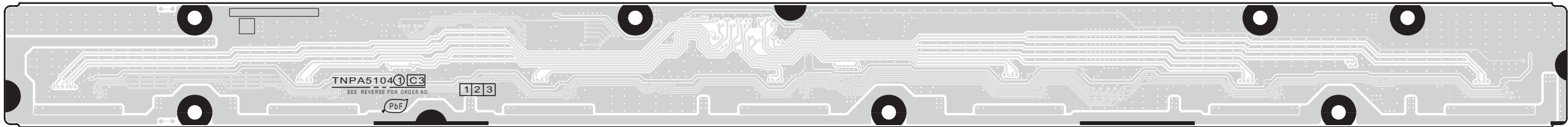




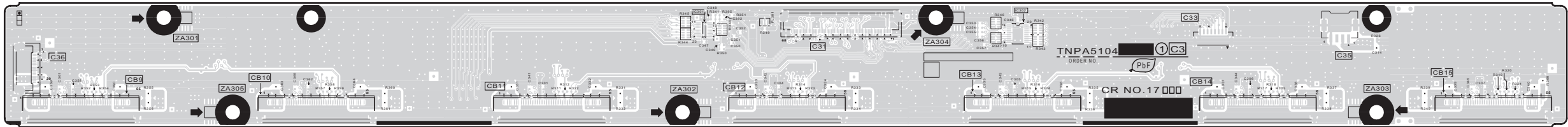
13.6. C3-Board



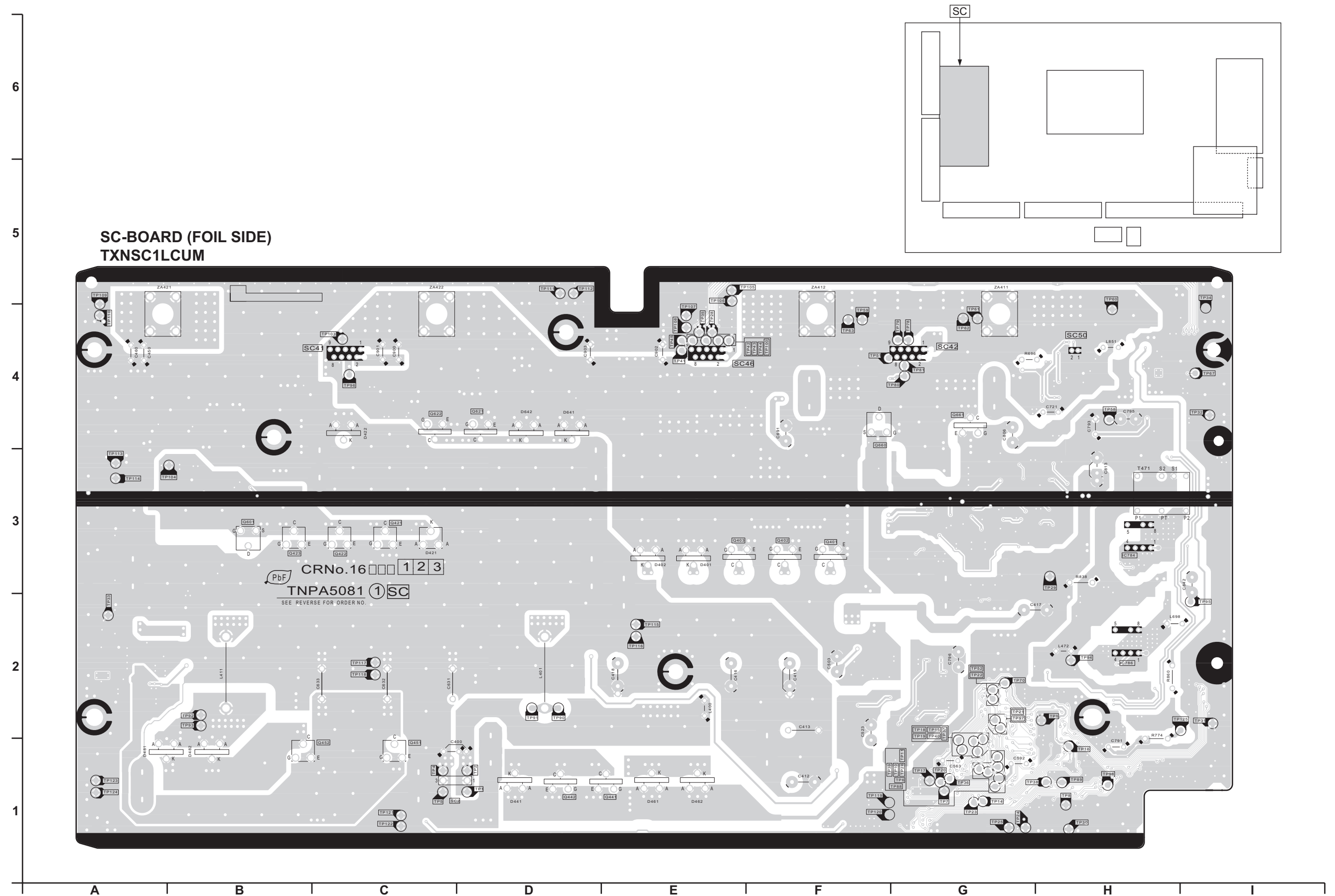
C3-BOARD (FOIL SIDE)  
TNPA5104

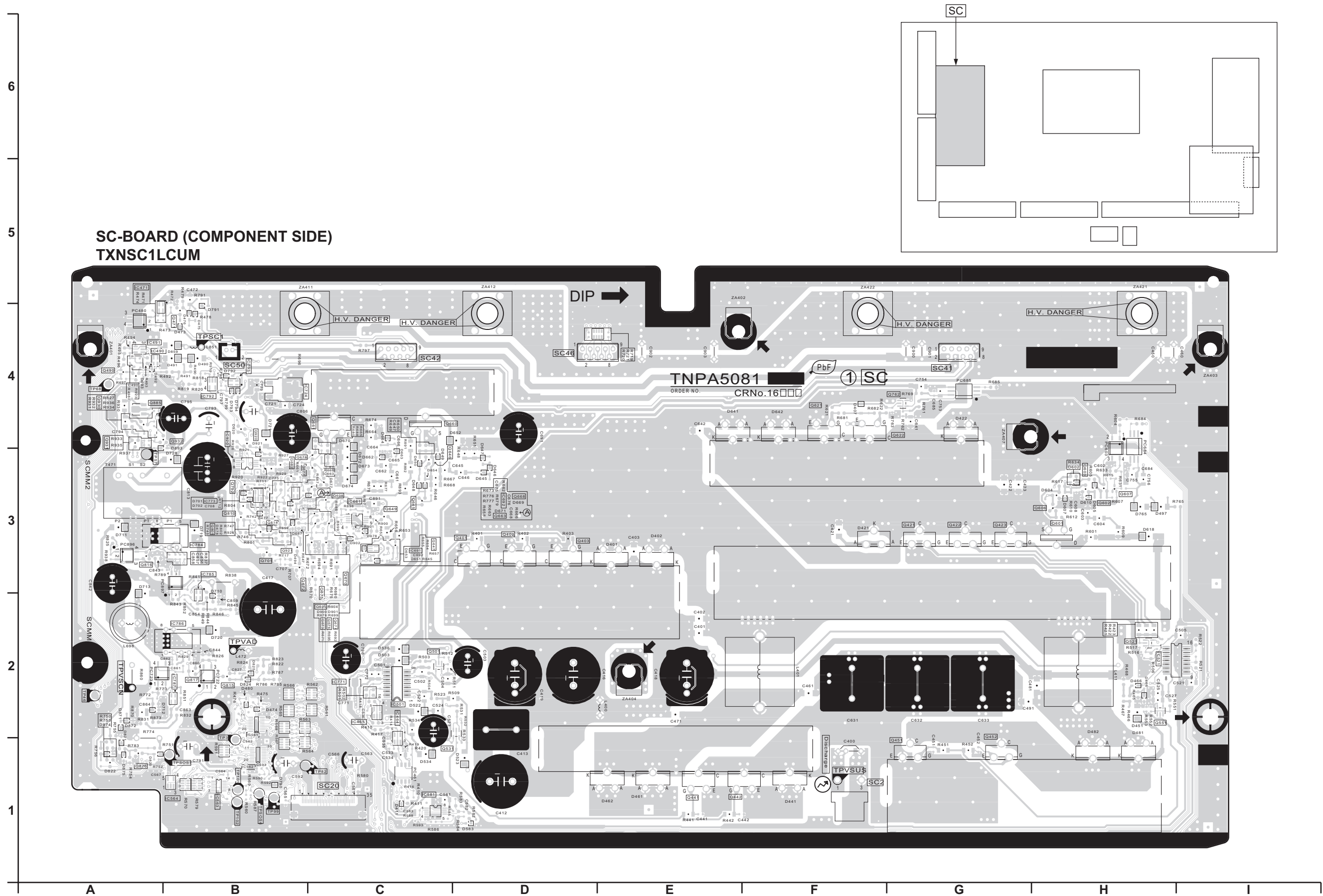


C3-BOARD (COMPONENT SIDE)  
TNPA5104



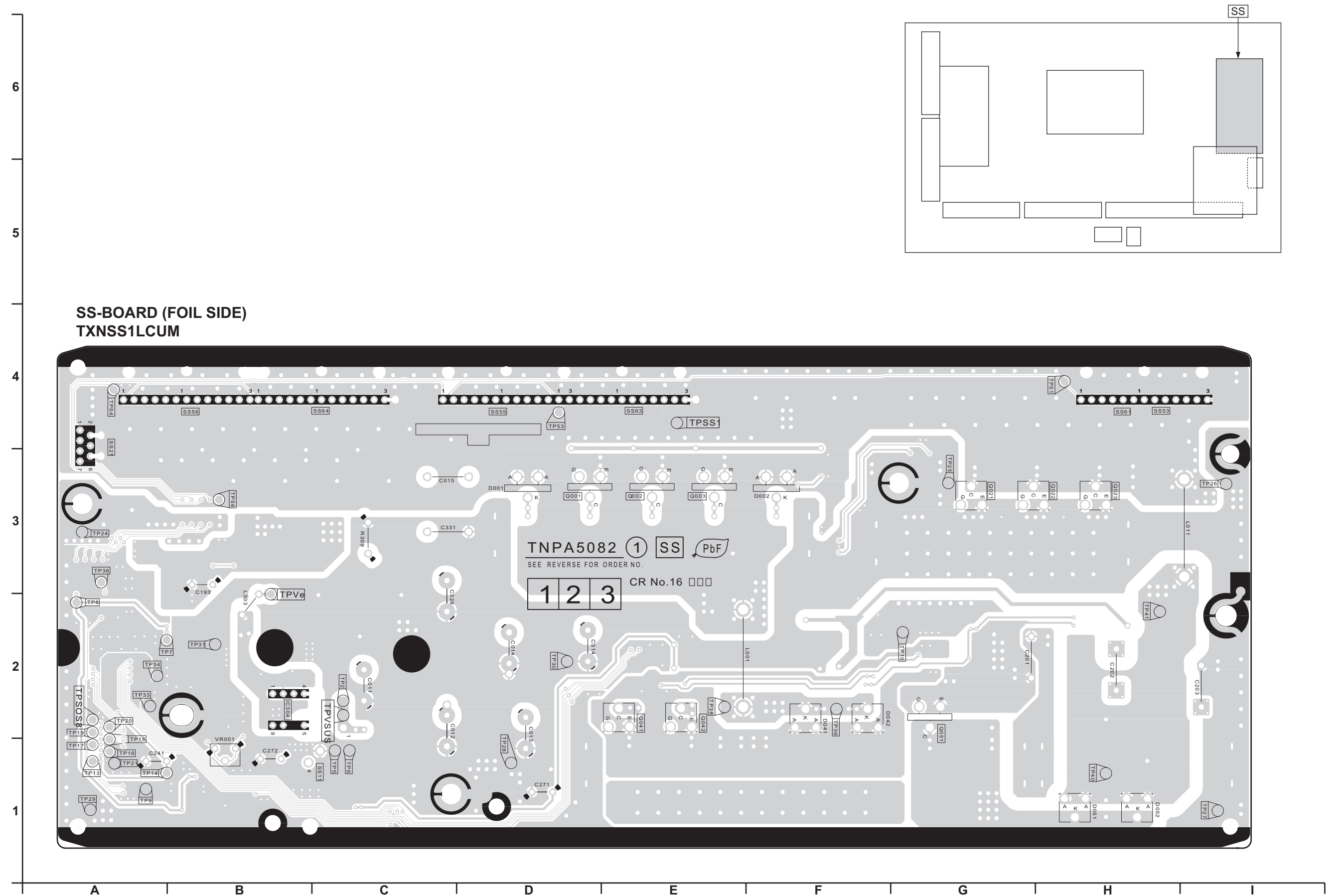
### 13.7. SC-Board





SC-BOARD (COMPONENT SIDE)  
TXNSC1LCUM

### 13.8. SS-Board



6

5

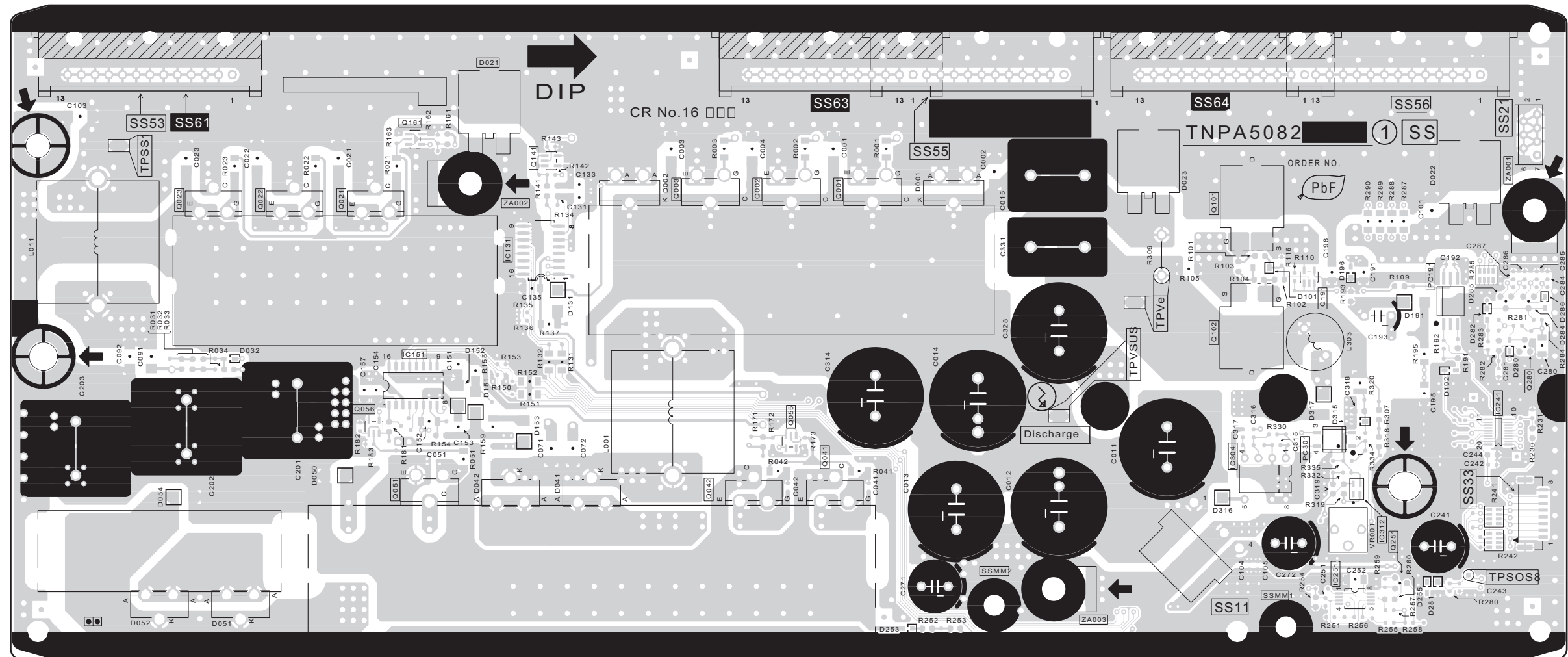
4

3

2

1

**SS-BOARD (COMPONENT SIDE)**  
**TXNSS1LCUM**



A

B

C

D

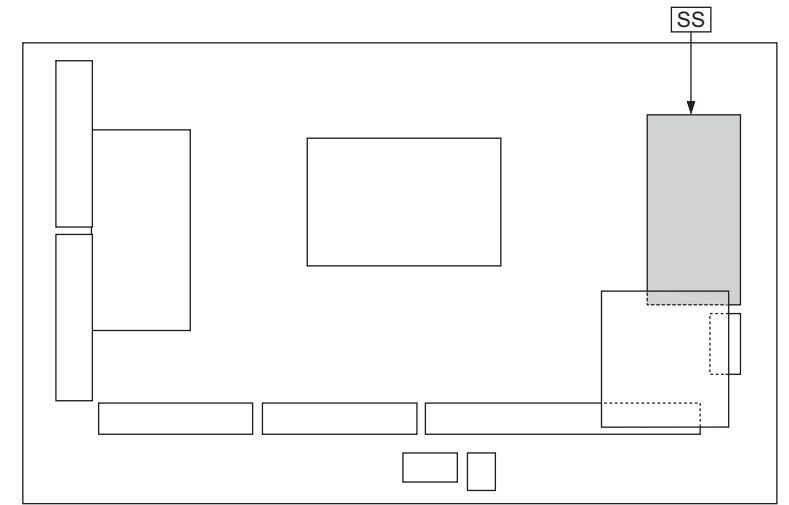
E

F

G

H

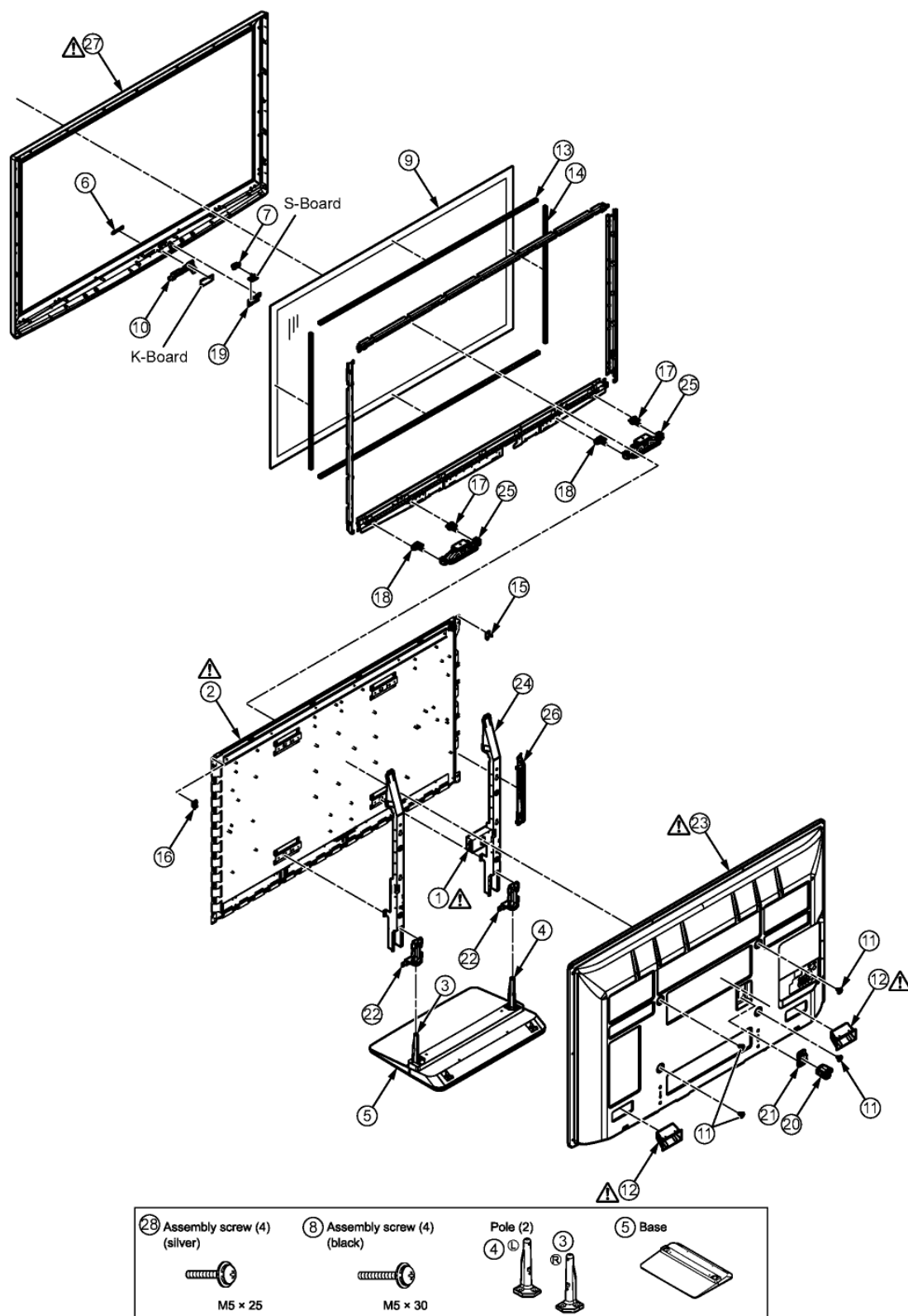
I



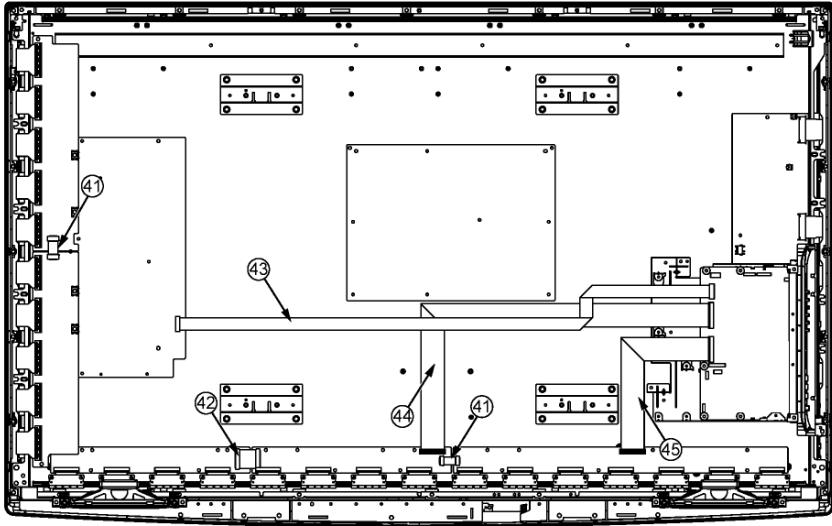
# 14 Exploded View and Replacement Parts List

## 14.1. Exploded View and Mechanical Replacement Parts List

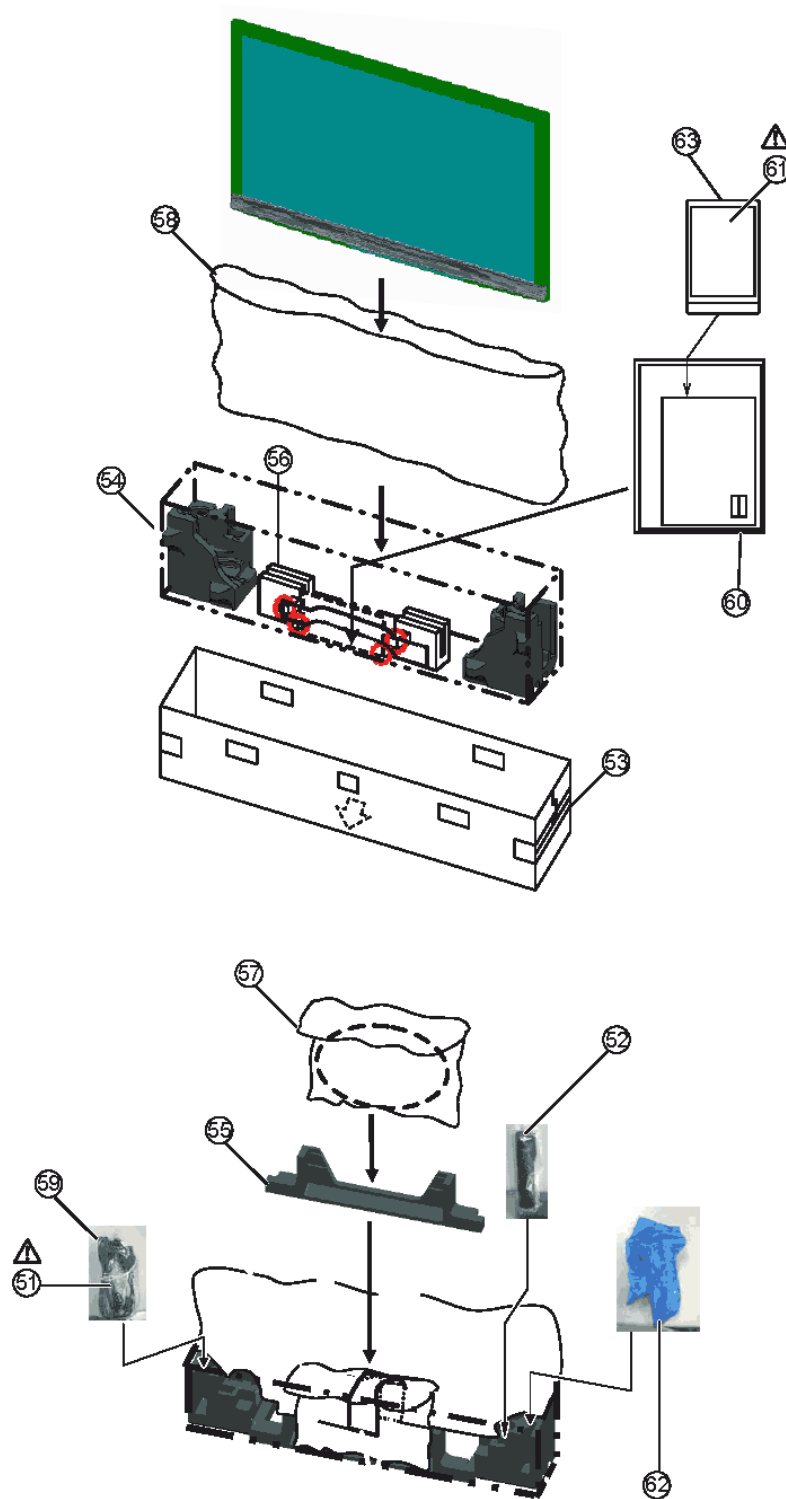
### 14.1.1. Exploded View 1



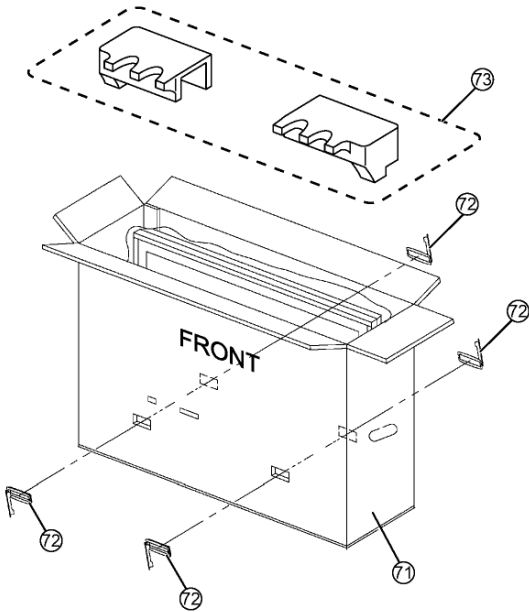
14.1.2. Exploded View 2



### 14.1.3. Packing 1



14.1.4. Packing 2



### 14.1.5. Mechanical Replacement Parts List

| Safety                                                                            | Ref. No. | Part No.     | Part Name & Description         | Q'ty | Remarks       |
|-----------------------------------------------------------------------------------|----------|--------------|---------------------------------|------|---------------|
|  | 1        | K2AHYH000033 | AC INLET WITH CABLE             | 1    |               |
|  | 51       | K2CT3YY00021 | AC CORD                         | 1    | M             |
|  | 51       | K2CT3YY00022 | AC CORD                         | 1    | P             |
|  | 2        | MD54F13A1J   | PLASMA DISPLAY PANEL            | 1    |               |
|                                                                                   | 52       | N2QAYB000370 | REMOTE CONTROL                  | 1    |               |
|                                                                                   | 3        | TBLA3689     | STAND POLE R                    | 1    |               |
|                                                                                   | 4        | TBLA3690     | STAND POLE L                    | 1    |               |
|                                                                                   | 5        | TBLX0157     | PEDESTAL STAND (SQUARE BLACK)   | 1    |               |
|                                                                                   | 6        | TBMA339      | PANASONIC SHEET BADGE           | 1    |               |
|                                                                                   | 7        | TBX3EA00101  | POWER BUTTON                    | 1    |               |
|                                                                                   |          | THEJ0339     | SCREW (BC-TUNER:1 SIDE_COVER:4) | 5    | chap.3.1. (3) |
|                                                                                   |          | THEL065Z     | SCREW (BC T:3)                  | 3    | chap.3.1. (1) |
|                                                                                   | 8        | THEL073N     | SCREW (STAND-TV)                | 4    |               |
|                                                                                   |          | THTD020J     | SCREW (A-PRINT:4)               | 4    |               |
|                                                                                   |          | THTF011N     | SCREW                           | 29   |               |
|                                                                                   |          | THTF013J     | SCREW                           | 1    |               |
|                                                                                   | 9        | TKGA5643-1   | FRONT GLASS                     | 1    |               |
|                                                                                   | 10       | TKKC5360     | LED PANEL                       | 1    |               |
|                                                                                   | 11       | TKKL5493     | M8 CAP                          | 4    | chap.3.1. (7) |
|  | 12       | TKRA46202    | REAR COVER HANDLE               | 2    |               |
|                                                                                   | 13       | TMKH108      | SPONGE (UPPER/BOTTOM)           | 2    |               |
|                                                                                   | 14       | TMKH109      | SPONGE (LEFT/RIGHT)             | 2    |               |
|                                                                                   |          | TMM23417     | CLAMPER                         | 2    |               |
|                                                                                   | 15       | TMD014-1     | REAR COVER HOOK L               | 1    |               |
|                                                                                   | 16       | TMD015-1     | REAR COVER HOOK R               | 1    |               |
|                                                                                   |          | TMME292      | CLAMPER                         | 1    |               |
|                                                                                   |          | TMME331      | CLAMPER                         | 1    |               |
|                                                                                   |          | TMME332      | CLAMPER (HANGER:5)              | 5    |               |
|                                                                                   |          | TMME332      | CLAMPER (SS:1)                  | 1    |               |
|                                                                                   |          | TMME332      | CLAMPER                         | 2    |               |
|                                                                                   |          | TMME394      | SPACER                          | 3    |               |
|                                                                                   | 17       | TMW3EX002    | SP BRACKET L                    | 2    |               |
|                                                                                   | 18       | TMW3EX003    | SP BRACKET R                    | 2    |               |
|                                                                                   | 19       | TMWC027      | POWER BUTTON BRACKET            | 1    |               |
|                                                                                   | 20       | TMXX064      | AC CORD CLAMPER A               | 1    |               |
|                                                                                   | 21       | TMXX065      | AC CORD CLAMPER B               | 1    |               |
|                                                                                   | 22       | TMZ2AX5005   | STAND BRACKET                   | 2    |               |
|                                                                                   | 71       | TPCC75801    | CARTON BOX TOP (WITH STAMP)     | 1    | M             |
|                                                                                   | 71       | TPCC75802    | CARTON BOX TOP (WITH STAMP)     | 1    | P             |
|                                                                                   | 53       | TPCC76201    | CARTON BOTTOM                   | 1    |               |
|                                                                                   | 72       | TPD169487    | JOINT                           | 4    |               |
|                                                                                   | 73       | TPDA2087     | TOP CUSHION                     | 1    |               |
|                                                                                   | 54       | TPDA2088     | BOTTOM CUSHION                  | 1    |               |

| Safety                                                                            | Ref. No. | Part No.    | Part Name & Description    | Q'ty | Remarks      |
|-----------------------------------------------------------------------------------|----------|-------------|----------------------------|------|--------------|
|                                                                                   | 55       | TPDA2089    | PEDESTAL CUSHION           | 1    |              |
|                                                                                   | 56       | TPDA2123    | BOTTOM CENTER CUSHION      | 1    |              |
|                                                                                   |          | TPEB362     | BAG (STAND ACCESSORY)      | 1    |              |
|                                                                                   | 57       | TPEB456     | BAG (PEDESTAL STAND)       | 1    |              |
|                                                                                   | 58       | TPEH170     | PROTECT COVER              | 1    |              |
|                                                                                   | 59       | TPEP027     | BAG FOR AC CORD            | 1    |              |
|                                                                                   | 60       | TPEP031     | ACCESSORIES BAG            | 1    |              |
|  | 61       | TQBC2533    | INSTRUCTION BOOK (ENGLISH) | 1    |              |
|  | 61       | TQBC2534    | INSTRUCTION BOOK (ARABIC)  | 1    |              |
|                                                                                   | 63       | TQEF127     | BAG (INSTRUCTION BOOK)     | 1    |              |
|                                                                                   |          | TQZJ108     | SCREW USE MANUAL           | 1    |              |
|                                                                                   | 41       | TSXL519     | CABLE (SU11-SD11/C26-C36)  | 2    |              |
|                                                                                   | 42       | TSXL724     | CABLE (C10-C20)            | 1    |              |
|                                                                                   | 43       | TSXL986     | CABLE (A20-SC20)           | 1    |              |
|                                                                                   | 44       | TSXL987     | CABLE (A31-C21)            | 1    |              |
|                                                                                   | 45       | TSXL988     | CABLE (A32-C31)            | 1    |              |
|  | 23       | TTUA2347    | REAR COVER                 | 1    | M            |
|  | 23       | TTUA2351    | REAR COVER                 | 1    | P            |
|                                                                                   | 24       | TUX2AA057   | 54HANGER METAL             | 2    |              |
|                                                                                   | 25       | TXFEA01LAUJ | SPEAKER L/R ASSY           | 2    |              |
|                                                                                   | 26       | TXFKP01LCUM | SIDE TERMINAL COVER ASSY   | 1    |              |
|  | 27       | TXFKY01LCUM | CABINET ASSY               | 1    |              |
|                                                                                   |          | TXJA11LCUM  | SPEAKER LEAD (A11-SPR/SPL) | 1    |              |
|                                                                                   |          | XSB3+6FJ    | SCREW (HDMI:3)             | 3    | chap.3.1.(4) |
|                                                                                   |          | XSB4+8FNK   | SCREW (M4x8)               | 2    |              |
|                                                                                   |          | XTB4+12GFJ  | SCREW (GH:20 PW:2 LED:1)   | 25   |              |
|                                                                                   |          | XTB4+12GFJK | SCREW (BC:11)              | 15   | chap.3.1.(2) |
|                                                                                   |          | XTB4+12GFN  | SCREW (4*12)               | 8    |              |
|                                                                                   |          | XTV3+10JFJK | SCREW (REAR AV:2)          | 2    | chap.3.1.(5) |
|                                                                                   |          | XYN3+F10FJK | SCREW (BC-AC_INLET:2)      | 2    | chap.3.1.(6) |
|                                                                                   |          | XYN3+J10FJ  | SCREW                      | 37   |              |
|                                                                                   |          | XYN4+E6FJ   | SCREW (INLET:1)            | 1    |              |
|                                                                                   |          | XYN4+F10FJ  | SCREW (AL-GHT:4)           | 23   |              |
|                                                                                   | 28       | XYN5+F25FN  | SCREW (STAND POLE)         | 4    |              |
|                                                                                   | 62       | XZB17X19C03 | POLY BAG (STAND POLE)      | 1    |              |
|                                                                                   |          |             |                            |      |              |

## 14.2. Electrical Replacement Parts List

### 14.2.1. Replacement Parts List Notes

#### RTL (Retention Time Limited)

**Note:** The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

#### 1. Resistor

Example:

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

#### 2. Capacitor

Example:

ECKF1H103ZF    C 0.01UF, Z 50V  
Type                      Allowance

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

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

## 14.2.2. Electrical Replacement Parts List

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        |          |              |                         |     |         |
| ⚠      | PCB      | TZTNP01LCUM  | CIRCUIT BOARD A         | 1   | (RTL) M |
| ⚠      | PCB      | TZTNP01LCUP  | CIRCUIT BOARD A         | 1   | (RTL) P |
| ⚠      | PCB      | ETX2MM807MSL | CIRCUIT BOARD P         | 1   | (RTL)   |
| ⚠      | PCB      | TNPA5102     | CIRCUIT BOARD C1        | 1   | (RTL)   |
| ⚠      | PCB      | TNPA5103     | CIRCUIT BOARD C2        | 1   | (RTL)   |
| ⚠      | PCB      | TNPA5104     | CIRCUIT BOARD C3        | 1   | (RTL)   |
| ⚠      | PCB      | TXNSC1LCUM   | CIRCUIT BOARD SC        | 1   | (RTL)   |
| ⚠      | PCB      | TNPA5093     | CIRCUIT BOARD SD        | 1   |         |
| ⚠      | PCB      | TXNSS1LCUM   | CIRCUIT BOARD SS        | 1   | (RTL)   |
| ⚠      | PCB      | TNPA4804     | CIRCUIT BOARD SS2       | 1   | (RTL)   |
| ⚠      | PCB      | TNPA5092     | CIRCUIT BOARD SU        | 1   |         |
| ⚠      | PCB      | TNPA4858AB   | CIRCUIT BOARD S         | 1   | (RTL)   |
| ⚠      | PCB      | TNPA5143AB   | CIRCUIT BOARD K         | 1   | (RTL)   |
|        |          |              |                         |     |         |
|        | A1       | K1KY08AA0719 | 8P CONNECTOR            | 1   |         |
|        | A6       | K1KY11AA0719 | 11P CONNECTOR           | 1   |         |
|        | A7       | K1KY14AA0719 | 14P CONNECTOR           | 1   |         |
|        | A11      | K1KA04AA0190 | 4P CONNECTOR            | 1   |         |
|        | A20      | K1MY35BA0345 | 35P CONNECTOR           | 1   |         |
|        | A31      | K1MY68BA0345 | 68P CONNECTOR           | 1   |         |
|        | A32      | K1MY68BA0345 | 68P CONNECTOR           | 1   |         |
|        |          |              |                         |     |         |
|        | C10      | K1MY40BA0345 | 40P CONNECTOR           | 1   |         |
|        | C20      | K1MY40BA0345 | 40P CONNECTOR           | 1   |         |
|        | C21      | K1MY68BA0345 | 68P CONNECTOR           | 1   |         |
|        | C26      | K1MN20BA0231 | 20P CONNECTOR           | 1   |         |
|        | C31      | K1MY68BA0345 | 68P CONNECTOR           | 1   |         |
|        | C33      | K1KY08AA0719 | 8P CONNECTOR            | 1   |         |
|        | C35      | K1KA04BA0107 | 4P CONNECTOR            | 1   |         |
|        | C36      | K1MY20BA0345 | 20P CONNECTOR           | 1   |         |
|        | C0900    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C1100    | F1G1E103A123 | C 0.01UF 25V            | 1   |         |
|        | C1101    | F1G1E103A123 | C 0.01UF 25V            | 1   |         |
|        | C1102    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C2055    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C2057    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C2067    | F1G1C103A116 | C 0.01UF 16V            | 1   |         |
|        | C2068    | F1G1C103A116 | C 0.01UF 16V            | 1   |         |
|        | C2071    | EEH0B0J101UR | E 100UF, 6.3V           | 1   |         |
|        | C2072    | EEH0B0J101UR | E 100UF, 6.3V           | 1   |         |
|        | C2073    | F1G1E333A091 | C 0.033UF 25V           | 1   |         |
|        | C2074    | F1G1E333A091 | C 0.033UF 25V           | 1   |         |
|        | C2104    | F1G1H100A731 | C 10PF 50V              | 1   |         |
|        | C2107    | F1G1A105A047 | C 1UF 10V               | 1   |         |
|        | C2108    | F1G1A105A047 | C 1UF 10V               | 1   |         |
|        | C2110    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C2301    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C2302    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C2304    | F1J1E105A231 | C 1 UF 25V              | 1   |         |
|        | C2309    | F1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C2312    | F1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C2313    | F1G1H102A730 | C 1000PF 50V            | 1   |         |
|        | C2314    | F1J1E105A231 | C 1 UF 25V              | 1   |         |
|        | C2316    | F1H1H104A970 | C 0.1UF, , 50V          | 1   |         |
|        | C2317    | F1J1E105A231 | C 1 UF 25V              | 1   |         |
|        | C2318    | F1H1H104A970 | C 0.1UF, , 50V          | 1   |         |
|        | C2320    | F1J1E105A231 | C 1 UF 25V              | 1   |         |
|        | C2321    | F1H1H104A970 | C 0.1UF, , 50V          | 1   |         |
|        | C2323    | F1H1H104A970 | C 0.1UF, , 50V          | 1   |         |
|        | C2324    | F1J1E105A231 | C 1 UF 25V              | 1   |         |
|        | C2325    | F1G1H102A730 | C 1000PF 50V            | 1   |         |
|        | C2334    | F1J1H474A757 | C 0.47UF, 50V           | 1   |         |
|        | C2335    | F1H1E104A129 | C 0.1 uF 25 V           | 1   |         |
|        | C2336    | F1H1E104A129 | C 0.1 uF 25 V           | 1   |         |
|        | C2337    | F1J1H474A757 | C 0.47UF, 50V           | 1   |         |
|        | C2338    | F1H1E104A129 | C 0.1 uF 25 V           | 1   |         |
|        | C2339    | F1H1E104A129 | C 0.1 uF 25 V           | 1   |         |

| Safety | Ref. No. | Part No.      | Part Name & Description | Pcs | Remarks |
|--------|----------|---------------|-------------------------|-----|---------|
|        | C2340    | FI1H1H223A970 | C 0.022UF, 50V          | 1   |         |
|        | C2341    | FI1H1H223A970 | C 0.022UF, 50V          | 1   |         |
|        | C2342    | FI1H1H223A970 | C 0.022UF, 50V          | 1   |         |
|        | C2343    | FI1H1H223A970 | C 0.022UF, 50V          | 1   |         |
|        | C2344    | FI1H1H223A970 | C 0.022UF, 50V          | 1   |         |
|        | C2345    | FI1H1H223A970 | C 0.022UF, 50V          | 1   |         |
|        | C2346    | FI1H1H223A970 | C 0.022UF, 50V          | 1   |         |
|        | C2347    | FI1H1H223A970 | C 0.022UF, 50V          | 1   |         |
|        | C2349    | FI1G1H102A730 | C 1000PF 50V            | 1   |         |
|        | C2351    | FI1G1H102A730 | C 1000PF 50V            | 1   |         |
|        | C2353    | FI1G1H102A730 | C 1000PF 50V            | 1   |         |
|        | C2355    | FI1G1H102A730 | C 1000PF 50V            | 1   |         |
|        | C2356    | FI1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C2357    | FI1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C2510    | FI1H1H103A970 | C 0.01 uF 50 V          | 1   |         |
|        | C2511    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C2515    | FI1H1H103A970 | C 0.01 uF 50 V          | 1   |         |
|        | C2521    | FI1H1C104A143 | C 0.1UF, 16V            | 1   |         |
|        | C2751    | FI1J1E105A231 | C 1 UF 25V              | 1   |         |
|        | C2824    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C2871    | FI1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C2872    | FI1G1E103A123 | C 0.01UF 25V            | 1   |         |
|        | C2873    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C2874    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C2877    | FI1H1H223A970 | C 0.022UF, 50V          | 1   |         |
|        | C2878    | FI1H1H472A970 | C 4700PF, , 50V         | 1   |         |
|        | C2879    | FI1G1E103A123 | C 0.01UF 25V            | 1   |         |
|        | C2883    | F2H1E470A007  | E 47UF, 25V             | 1   |         |
|        | C2884    | FI1J1E105A231 | C 1 UF 25V              | 1   |         |
|        | C2885    | FI1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C2886    | FI1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C2905    | F2H1A101A009  | E 100 UF, 10V           | 1   |         |
|        | C2907    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C2908    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C2910    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C2911    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C2917    | FI1G1H222A730 | C 2200PF, 50V           | 1   |         |
|        | C2919    | FI1G1C103A116 | C 0.01UF 16V            | 1   |         |
|        | C2959    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C2961    | ECJ1VB1A105K  | C 1UF, 10V              | 1   |         |
|        | C2965    | ECJ1VB1A105K  | C 1UF, 10V              | 1   |         |
|        | C2966    | FI1H1A225A051 | C 2.2UF, 10V            | 1   |         |
|        | C3003    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C3004    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C3011    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3015    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3016    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C3018    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C3019    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C3022    | ECJ1VB1A105K  | C 1UF, 10V              | 1   |         |
|        | C3023    | ECJ1VB1A105K  | C 1UF, 10V              | 1   |         |
|        | C3024    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3025    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3026    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3031    | ECJ1VB1A105K  | C 1UF, 10V              | 1   |         |
|        | C3032    | ECJ1VB1A105K  | C 1UF, 10V              | 1   |         |
|        | C3105    | FI1G1H561A730 | C 560 pF 50 V           | 1   |         |
|        | C3106    | FI1G1H561A730 | C 560 pF 50 V           | 1   |         |
|        | C3108    | FI1G1E333A091 | C 0.033UF 25V           | 1   |         |
|        | C3109    | FI1G1E333A091 | C 0.033UF 25V           | 1   |         |
|        | C3111    | ECJ1VB1A105K  | C 1UF, 10V              | 1   |         |
|        | C3112    | ECJ1VB1A105K  | C 1UF, 10V              | 1   |         |
|        | C3113    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3116    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3117    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3118    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3119    | F2H1A101A009  | E 100 UF, 10V           | 1   |         |
|        | C3122    | F2H1A101A009  | E 100 UF, 10V           | 1   |         |
|        | C3123    | FI1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3137    | FI1G1H561A730 | C 560 pF 50 V           | 1   |         |
|        | C3138    | FI1G1H561A730 | C 560 pF 50 V           | 1   |         |
|        | C3149    | ECJ1VB1A105K  | C 1UF, 10V              | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | C3150    | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C3153    | F1G1H561A730 | C 560 pF 50 V           | 1   |         |
|        | C3154    | F1G1H561A730 | C 560 pF 50 V           | 1   |         |
|        | C3155    | F1G1H561A730 | C 560 pF 50 V           | 1   |         |
|        | C3156    | F1G1H561A730 | C 560 pF 50 V           | 1   |         |
|        | C3157    | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C3158    | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C3159    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3160    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3161    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3162    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3163    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3164    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C3165    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C4546    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C4547    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C4662    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C4663    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C4664    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C4665    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C4666    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C4667    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C4701    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C4702    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C4704    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C4705    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C4707    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C4708    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C5000    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C5001    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C5002    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C5003    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C5004    | F1G1H102A730 | C 1000PF 50V            | 1   |         |
|        | C5050    | F1J1A475A087 | C 4.7UF, 10V            | 1   |         |
|        | C5052    | F2G1A221A149 | E 220UF, 10V            | 1   |         |
|        | C5055    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C5058    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C5100    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C5101    | F1H1A474A084 | C 0.47UF, 10V           | 1   |         |
|        | C5155    | F1J0J106A004 | C 10 UF 6.3 V           | 1   |         |
|        | C5156    | F1J0J106A004 | C 10 UF 6.3 V           | 1   |         |
|        | C5157    | F1J0J106A004 | C 10 UF 6.3 V           | 1   |         |
|        | C5158    | F1J0J106A004 | C 10 UF 6.3 V           | 1   |         |
|        | C5159    | F1J0J106A004 | C 10 UF 6.3 V           | 1   |         |
|        | C5160    | F1J0J106A004 | C 10 UF 6.3 V           | 1   |         |
|        | C5471    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C5472    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C5600    | F1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C5601    | F1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C5602    | F1G1E682A123 | C 6800 pF 25 V          | 1   |         |
|        | C5603    | F1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C5604    | F1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C5606    | F1G1A154A053 | C 0.15UF, 10V           | 1   |         |
|        | C5607    | F1J1A475A087 | C 4.7UF, 10V            | 1   |         |
|        | C5608    | F1H1C104A143 | C 0.1UF, 16V            | 1   |         |
|        | C5609    | F1H1C104A143 | C 0.1UF, 16V            | 1   |         |
|        | C5611    | F1J1E105A231 | C 1 UF 25V              | 1   |         |
|        | C5612    | F1H1C105A145 | C 1 uF 16 V             | 1   |         |
|        | C5615    | F1H1A225A051 | C 2.2UF, 10V            | 1   |         |
|        | C5616    | F1G1E103A123 | C 0.01UF 25V            | 1   |         |
|        | C5617    | F1K0J226A008 | C 22UF, 6.3V            | 1   |         |
|        | C5618    | F1K0J226A008 | C 22UF, 6.3V            | 1   |         |
|        | C5619    | F1K0J226A008 | C 22UF, 6.3V            | 1   |         |
|        | C5620    | F1K0J226A008 | C 22UF, 6.3V            | 1   |         |
|        | C5621    | F1K0J226A008 | C 22UF, 6.3V            | 1   |         |
|        | C5622    | F1K0J226A008 | C 22UF, 6.3V            | 1   |         |
|        | C5625    | F1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C5626    | F1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C5627    | F1G1A393A053 | C 0.039 uF 10 V         | 1   |         |
|        | C5628    | F1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C5629    | F1K1E106A136 | C 10UF, 25V             | 1   |         |
|        | C5631    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C5632    | F1J1A475A087 | C 4.7UF, 10V            | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | C5633    | F1H1C104A143 | C 0.1UF, 16V            | 1   |         |
|        | C5634    | F1H1C104A143 | C 0.1UF, 16V            | 1   |         |
|        | C5635    | F1H1C105A145 | C 1 uF 16 V             | 1   |         |
|        | C5641    | F1K0J226A008 | C 22UF, 6.3V            | 1   |         |
|        | C5642    | F1K0J226A008 | C 22UF, 6.3V            | 1   |         |
|        | C5643    | F1K0J226A008 | C 22UF, 6.3V            | 1   |         |
|        | C5649    | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C5650    | F1H1A225A051 | C 2.2UF, 10V            | 1   |         |
|        | C5651    | F1J1A475A087 | C 4.7UF, 10V            | 1   |         |
|        | C5652    | F1J1A475A087 | C 4.7UF, 10V            | 1   |         |
|        | C5658    | F1K0J226A008 | C 22UF, 6.3V            | 1   |         |
|        | C5659    | F1K0J226A008 | C 22UF, 6.3V            | 1   |         |
|        | C5660    | F1K0J226A008 | C 22UF, 6.3V            | 1   |         |
|        | C5722    | F1J1E105A231 | C 1 UF 25V              | 1   |         |
|        | C5723    | F1H1C105A145 | C 1 uF 16 V             | 1   |         |
|        | C8000    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8001    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8002    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8003    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8004    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8005    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8006    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8007    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8008    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8009    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8010    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8011    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8012    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8013    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8014    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8015    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C8016    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C8017    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8019    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8020    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8021    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8022    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C8023    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C8024    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C8035    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C8036    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C8037    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8042    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C8044    | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C8045    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8046    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8047    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8048    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C8050    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8051    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8052    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8053    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8054    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8055    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8056    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8057    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8058    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8062    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8063    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8064    | F1J0G2260001 | C 22 UF 4 V             | 1   |         |
|        | C8067    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8068    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8069    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8070    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8073    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C8074    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C8075    | ECJ1VB0J105K | C 1UF, 6.3V             | 1   |         |
|        | C8076    | F1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8077    | F1G1E103A123 | C 0.01UF 25V            | 1   |         |
|        | C8079    | F1G1H120A731 | C 12PF, 50V             | 1   |         |
|        | C8080    | F1G1H8R0A732 | C 8 PF, 50V             | 1   |         |
|        | C8081    | F1G1H100A731 | C 10PF 50V              | 1   |         |
|        | C8082    | F1G1H8R0A732 | C 8 PF, 50V             | 1   |         |

| Safety | Ref. No. | Part No.      | Part Name & Description | Pcs | Remarks |
|--------|----------|---------------|-------------------------|-----|---------|
|        | C8085    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C8091    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8093    | ECJ1VB0J105K  | C 1UF, 6.3V             | 1   |         |
|        | C8097    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8099    | ECJ1VB0J105K  | C 1UF, 6.3V             | 1   |         |
|        | C8100    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C8101    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C8104    | ECJ1VB0J105K  | C 1UF, 6.3V             | 1   |         |
|        | C8105    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8108    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8110    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8111    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8112    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8113    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8114    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8115    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8116    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8117    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8120    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8123    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8124    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C8125    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C8126    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C8127    | ECJ1VB0J105K  | C 1UF, 6.3V             | 1   |         |
|        | C8600    | FI1G1H102A730 | C 1000PF 50V            | 1   |         |
|        | C8853    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8854    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8860    | F2G1C470A022  | E 47UF, 16V             | 1   |         |
|        | C8861    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8862    | FI1G1C103A116 | C 0.01UF 16V            | 1   |         |
|        | C8863    | FIJ0G226A001  | C 22 UF 4 V             | 1   |         |
|        | C8864    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C8865    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8867    | EEH0J221UP    | E 220UF, 6.3V           | 1   |         |
|        | C8870    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8922    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8923    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C8950    | FI1G1C103A116 | C 0.01UF 16V            | 1   |         |
|        | C9040    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9052    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9066    | FIK0J226A008  | C 22UF, 6.3V            | 1   |         |
|        | C9067    | FI1G1H561A730 | C 560 pF 50 V           | 1   |         |
|        | C9069    | FI1G1H561A730 | C 560 pF 50 V           | 1   |         |
|        | C9100    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9101    | FI1G1E103A123 | C 0.01UF 25V            | 1   |         |
|        | C9102    | FIK1E106A136  | C 10UF, 25V             | 1   |         |
|        | C9103    | FI1G1E103A123 | C 0.01UF 25V            | 1   |         |
|        | C9106    | FIK1E106A136  | C 10UF, 25V             | 1   |         |
|        | C9108    | FI1G1E103A123 | C 0.01UF 25V            | 1   |         |
|        | C9116    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9300    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9301    | FI1G1H150A731 | C 15PF, 50V             | 1   |         |
|        | C9302    | FI1G1H180A731 | C 18PF, 50V             | 1   |         |
|        | C9303    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9307    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9308    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9311    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9312    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9313    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9314    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9315    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9316    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9319    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9322    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9323    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9325    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9327    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9335    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9336    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9337    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9339    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9340    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9342    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |

| Safety | Ref. No. | Part No.      | Part Name & Description | Pcs | Remarks |
|--------|----------|---------------|-------------------------|-----|---------|
|        | C9344    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9347    | ECJ1VB0J105K  | C 1UF, 6.3V             | 1   |         |
|        | C9349    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9350    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9351    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9352    | ECJ1VB0J105K  | C 1UF, 6.3V             | 1   |         |
|        | C9356    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9361    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9363    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9371    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9372    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9373    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9374    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9375    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9380    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9383    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9391    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9392    | FIJ1A106A087  | C 10UF, 10V             | 1   |         |
|        | C9394    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9400    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9401    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9402    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9800    | FIH1E104A129  | C 0.1 uF 25 V           | 1   |         |
|        | C9801    | FI1G1E682A123 | C 6800 pF 25 V          | 1   |         |
|        | C9803    | FI1G1E472A123 | C 4700pF 25V            | 1   |         |
|        | C9804    | FIK1E106A136  | C 10UF, 25V             | 1   |         |
|        | C9805    | FIK1E106A136  | C 10UF, 25V             | 1   |         |
|        | C9806    | FI1G1H101A731 | C 100PF 50V             | 1   |         |
|        | C9807    | FI1G1H201A731 | C 200 PF, 50V           | 1   |         |
|        | C9809    | FI1G1H102A730 | C 1000PF 50V            | 1   |         |
|        | C9811    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9812    | FIK1E106A136  | C 10UF, 25V             | 1   |         |
|        | C9813    | FIK1E106A136  | C 10UF, 25V             | 1   |         |
|        | C9814    | FIK0J226A008  | C 22UF, 6.3V            | 1   |         |
|        | C9815    | FIK0J226A008  | C 22UF, 6.3V            | 1   |         |
|        | C9816    | FI1G1E103A123 | C 0.01UF 25V            | 1   |         |
|        | C9825    | FIK0J226A008  | C 22UF, 6.3V            | 1   |         |
|        | C9827    | FIK1E106A136  | C 10UF, 25V             | 1   |         |
|        | C9828    | FIK1E106A136  | C 10UF, 25V             | 1   |         |
|        | C9829    | FI1G1C104A116 | C 0.1UF 16V             | 1   |         |
|        | C9830    | FI1G1E103A123 | C 0.01UF 25V            | 1   |         |
|        | C9831    | FI1G1H272A730 | C 2700PF, 50V           | 1   |         |
|        | C9834    | FIK0J226A008  | C 22UF, 6.3V            | 1   |         |
|        | C9835    | FIK0J226A008  | C 22UF, 6.3V            | 1   |         |
|        | C9900    | FI1G1E103A123 | C 0.01UF 25V            | 1   |         |
|        | C16002   | FI1L2J562A022 | C 5600PF, 630V          | 1   |         |
|        | C16011   | F2A2T301A004  | E 300UF, 220V           | 1   |         |
|        | C16012   | F2A2T301A004  | E 300UF, 220V           | 1   |         |
|        | C16013   | F2A2T301A004  | E 300UF, 220V           | 1   |         |
|        | C16014   | FOC2E155A252  | C 1.5UF, 250V           | 1   |         |
|        | C16022   | FI1L2J332A022 | C 3300PF, 630V          | 1   |         |
|        | C16041   | FIH1H392A970  | C 3900PF, 50V           | 1   |         |
|        | C16071   | FI1L2J1020001 | C 1000PF, 630V          | 1   |         |
|        | C16072   | FI1L2J222A022 | C 2200PF, 630V          | 1   |         |
|        | C16091   | FI1L2J222A022 | C 2200PF, 630V          | 1   |         |
|        | C16092   | FI1L2J1020001 | C 1000PF, 630V          | 1   |         |
|        | C16101   | FI1L2J222A022 | C 2200PF, 630V          | 1   |         |
|        | C16104   | FIH1E470A130  | C 47PF, 25V             | 1   |         |
|        | C16105   | FIH1E470A130  | C 47PF, 25V             | 1   |         |
|        | C16131   | FIK1E475A134  | C 4.7UF 25V             | 1   |         |
|        | C16133   | FIK1E475A134  | C 4.7UF 25V             | 1   |         |
|        | C16135   | FIK1E105A029  | C 1UF, 25V              | 1   |         |
|        | C16151   | FIK1E105A029  | C 1UF, 25V              | 1   |         |
|        | C16152   | FIK1E475A134  | C 4.7UF 25V             | 1   |         |
|        | C16153   | FIK1E475A134  | C 4.7UF 25V             | 1   |         |
|        | C16154   | FIK1E475A134  | C 4.7UF 25V             | 1   |         |
|        | C16191   | FIK1E475A134  | C 4.7UF 25V             | 1   |         |
|        | C16192   | FIH1E104A129  | C 0.1 uF 25 V           | 1   |         |
|        | C16193   | F2A1E4700094  | E 47UF, 25V             | 1   |         |
|        | C16195   | FIK1E105A029  | C 1UF, 25V              | 1   |         |
|        | C16201   | FOC2E405A232  | C 4UF, 250V             | 1   |         |
|        | C16202   | FOC2E405A232  | C 4UF, 250V             | 1   |         |
|        | C16203   | FOC2E405A232  | C 4UF, 250V             | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | C16242   | F1H1C105A145 | C 1 uF 16 V             | 1   |         |
|        | C16243   | F1H1H103A970 | C 0.01 uF 50 V          | 1   |         |
|        | C16244   | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C16251   | F1H1C105A145 | C 1 uF 16 V             | 1   |         |
|        | C16252   | F1K1E105A029 | C 1UF, 25V              | 1   |         |
|        | C16271   | EEUFC1E221   | E 220UF, 25V            | 1   |         |
|        | C16280   | F1K1E105A029 | C 1UF, 25V              | 1   |         |
|        | C16285   | F1H1H104A970 | C 0.1UF, , 50V          | 1   |         |
|        | C16286   | F1H1H104A970 | C 0.1UF, , 50V          | 1   |         |
|        | C16287   | F1H1H104A970 | C 0.1UF, , 50V          | 1   |         |
|        | C16314   | F2A2T301A004 | E 300UF, 220V           | 1   |         |
|        | C16315   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C16316   | F1H1C104A143 | C 0.1UF, 16V            | 1   |         |
|        | C16317   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C16318   | F1J1H104A835 | C 0.1UF, 50V            | 1   |         |
|        | C16319   | F1J1H104A835 | C 0.1UF, 50V            | 1   |         |
|        | C16328   | F2A2C221A195 | E 220UF, 160V           | 1   |         |
|        | C16331   | F0C2E105A252 | C 1 UF 250 V            | 1   |         |
|        | C16401   | F1L2J562A022 | C 5600PF, 630V          | 1   |         |
|        | C16412   | F2A2T301A004 | E 300UF, 220V           | 1   |         |
|        | C16416   | F2A2T301A004 | E 300UF, 220V           | 1   |         |
|        | C16417   | F2A2T301A004 | E 300UF, 220V           | 1   |         |
|        | C16418   | F0C2E155A252 | C 1.5UF, 250V           | 1   |         |
|        | C16419   | F2A2T301A004 | E 300UF, 220V           | 1   |         |
|        | C16421   | F1L2J562A022 | C 5600PF, 630V          | 1   |         |
|        | C16441   | F1H1H392A970 | C 3900PF, 50V           | 1   |         |
|        | C16452   | F1H1H392A970 | C 3900PF, 50V           | 1   |         |
|        | C16460   | F1E2J222A002 | C 2200PF, 630V          | 1   |         |
|        | C16461   | F1L2J1020001 | C 1000PF, 630V          | 1   |         |
|        | C16471   | F1L2J1020001 | C 1000PF, 630V          | 1   |         |
|        | C16472   | F1K1E105A029 | C 1UF, 25V              | 1   |         |
|        | C16481   | F1L2J1020001 | C 1000PF, 630V          | 1   |         |
|        | C16490   | F1H1C105A145 | C 1 uF 16 V             | 1   |         |
|        | C16491   | F1L2J1020001 | C 1000PF, 630V          | 1   |         |
|        | C16501   | F1K1E105A029 | C 1UF, 25V              | 1   |         |
|        | C16502   | F1K1E475A134 | C 4.7UF 25V             | 1   |         |
|        | C16503   | F2A1E471A102 | E 470UF, 25V            | 1   |         |
|        | C16504   | F1K1E475A134 | C 4.7UF 25V             | 1   |         |
|        | C16505   | F1K1E105A029 | C 1UF, 25V              | 1   |         |
|        | C16521   | F1K1E105A029 | C 1UF, 25V              | 1   |         |
|        | C16522   | F1K1E475A134 | C 4.7UF 25V             | 1   |         |
|        | C16523   | F2A1E471A102 | E 470UF, 25V            | 1   |         |
|        | C16524   | F1K1E475A134 | C 4.7UF 25V             | 1   |         |
|        | C16525   | F1K1E475A134 | C 4.7UF 25V             | 1   |         |
|        | C16534   | F1K1E105A029 | C 1UF, 25V              | 1   |         |
|        | C16561   | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C16562   | F1H1C105A145 | C 1 uF 16 V             | 1   |         |
|        | C16564   | F1H1C105A145 | C 1 uF 16 V             | 1   |         |
|        | C16565   | F1H1H103A970 | C 0.01 uF 50 V          | 1   |         |
|        | C16566   | F1H1H103A970 | C 0.01 uF 50 V          | 1   |         |
|        | C16581   | F1K1E105A029 | C 1UF, 25V              | 1   |         |
|        | C16582   | F1H1C105A145 | C 1 uF 16 V             | 1   |         |
|        | C16593   | F1H1H102A971 | C 1000PF, 50V           | 1   |         |
|        | C16602   | F1H1H220A971 | C 22PF, 50V             | 1   |         |
|        | C16603   | F1K2J102A014 | C 1000PF, 630V          | 1   |         |
|        | C16604   | F1K2J102A014 | C 1000PF, 630V          | 1   |         |
|        | C16608   | F1H1H221A971 | C 220PF, 50V            | 1   |         |
|        | C16631   | F0C2E405A232 | C 4UF, 250V             | 1   |         |
|        | C16632   | F0C2E405A232 | C 4UF, 250V             | 1   |         |
|        | C16633   | F0C2E405A232 | C 4UF, 250V             | 1   |         |
|        | C16641   | F1K2J222A014 | C 2200PF ,630V          | 1   |         |
|        | C16642   | F1L2J562A022 | C 5600PF, 630V          | 1   |         |
|        | C16645   | F1K2J102A014 | C 1000PF, 630V          | 1   |         |
|        | C16646   | F1K2J102A014 | C 1000PF, 630V          | 1   |         |
|        | C16661   | F1K2J102A038 | C 1000PF, 630V          | 1   |         |
|        | C16662   | F1K2J102A038 | C 1000PF, 630V          | 1   |         |
|        | C16664   | F1H1H820A971 | C 82PF, 50V             | 1   |         |
|        | C16665   | F1H1H820A971 | C 82PF, 50V             | 1   |         |
|        | C16666   | F1H1H820A971 | C 82PF, 50V             | 1   |         |
|        | C16668   | F1H1H221A971 | C 220PF, 50V            | 1   |         |
|        | C16675   | F1H1H391A971 | C 390PF, 50V            | 1   |         |
|        | C16684   | F1H1H104A970 | C 0.1UF, , 50V          | 1   |         |
|        | C16685   | F1H1H104A970 | C 0.1UF, , 50V          | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | C16691   | F2A2C101A097 | E 100UF, 160V           | 1   |         |
|        | C16692   | F1H1H104A970 | C 0.1UF, , 50V          | 1   |         |
|        | C16707   | F1H1H220A971 | C 22PF, 50V             | 1   |         |
|        | C16708   | F1H1H104A970 | C 0.1UF, , 50V          | 1   |         |
|        | C16721   | F2A1H820A115 | E 82UF, 50V             | 1   |         |
|        | C16723   | F1K1E105A029 | C 1UF, 25V              | 1   |         |
|        | C16724   | F1K1E475A134 | C 4.7UF 25V             | 1   |         |
|        | C16753   | F1K1E475A134 | C 4.7UF 25V             | 1   |         |
|        | C16755   | F1K1E475A134 | C 4.7UF 25V             | 1   |         |
|        | C16756   | F1K1E475A134 | C 4.7UF 25V             | 1   |         |
|        | C16771   | F1H1C105A145 | C 1 uF 16 V             | 1   |         |
|        | C16773   | F1K1E105A029 | C 1UF, 25V              | 1   |         |
|        | C16791   | EEUFC1E221   | E 220UF, 25V            | 1   |         |
|        | C16793   | EEUFC1E221   | E 220UF, 25V            | 1   |         |
|        | C16794   | F1J1A106A087 | C 10UF, 10V             | 1   |         |
|        | C16795   | F2A1E471A102 | E 470UF, 25V            | 1   |         |
|        | C16796   | F2A1E471A102 | E 470UF, 25V            | 1   |         |
|        | C16797   | F1H1H104A970 | C 0.1UF, , 50V          | 1   |         |
|        | C16813   | F2A2T221A009 | E 220UF, 220V           | 1   |         |
|        | C16842   | F2A2C101A097 | E 100UF, 160V           | 1   |         |
|        | C16843   | F1J1H104A835 | C 0.1UF, 50V            | 1   |         |
|        | C16844   | F1J1H104A835 | C 0.1UF, 50V            | 1   |         |
|        | C16854   | F1J1H104A835 | C 0.1UF, 50V            | 1   |         |
|        | C16856   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C16857   | F1H1C104A143 | C 0.1UF, 16V            | 1   |         |
|        | C16858   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C16859   | F1J1H104A835 | C 0.1UF, 50V            | 1   |         |
|        | C16860   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C16861   | F1H1C104A143 | C 0.1UF, 16V            | 1   |         |
|        | C16862   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C16863   | F1J1H104A835 | C 0.1UF, 50V            | 1   |         |
|        | C16864   | F1J1H104A835 | C 0.1UF, 50V            | 1   |         |
|        | C16891   | F1K1E105A029 | C 1UF, 25V              | 1   |         |
|        | C16902   | F1E2J332A002 | C 3300PF, 630V          | 1   |         |
|        | C17101   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17102   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17103   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17104   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17132   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17134   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17136   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17138   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17201   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17204   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17205   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17206   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17213   | F1H1C104A143 | C 0.1UF, 16V            | 1   |         |
|        | C17232   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17233   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17235   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17238   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17241   | F1H1H101A971 | C 100PF, 50V            | 1   |         |
|        | C17301   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17304   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17305   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17306   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17307   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17332   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17334   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17336   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17338   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17339   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17346   | F1H1C104A143 | C 0.1UF, 16V            | 1   |         |
|        | C17347   | F1H1C104A143 | C 0.1UF, 16V            | 1   |         |
|        | C17348   | F1H1H101A971 | C 100PF, 50V            | 1   |         |
|        | C17358   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17360   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | C17362   | ECJ1VB1A105K | C 1UF, 10V              | 1   |         |
|        | C17364   | F1L2A334A034 | C 0.33 UF 200 V         | 1   |         |
|        | CB1      | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB2      | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB3      | K1MY55B00002 | 55P CONNECTOR           | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | CB4      | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB5      | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB6      | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB7      | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB8      | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB9      | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB10     | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB11     | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB12     | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB13     | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB14     | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        | CB15     | K1MY55B00002 | 55P CONNECTOR           | 1   |         |
|        |          |              |                         |     |         |
|        | CN0102   | K1KA11A00178 | 11P CONNECTOR           | 1   |         |
|        |          |              |                         |     |         |
|        | D1101    | B0JCCE000008 | DIODE                   | 1   |         |
|        | D2014    | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D2520    | B3AGB0000060 | LED                     | 1   |         |
|        | D2870    | B0JCME000092 | DIODE                   | 1   |         |
|        | D3105    | DZ2J140M0L   | ZENER DIODE             | 1   |         |
|        | D3106    | DZ2J140M0L   | ZENER DIODE             | 1   |         |
|        | D3107    | DZ2J140M0L   | ZENER DIODE             | 1   |         |
|        | D3108    | DZ2J140M0L   | ZENER DIODE             | 1   |         |
|        | D3109    | DZ2J140M0L   | ZENER DIODE             | 1   |         |
|        | D3300    | K7AAAY000006 | PHOTO LINK              | 1   |         |
|        | D4702    | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D4704    | B0JCCE000008 | DIODE                   | 1   |         |
|        | D4719    | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D4721    | B0JCCE000008 | DIODE                   | 1   |         |
|        | D4735    | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D4737    | B0JCCE000008 | DIODE                   | 1   |         |
|        | D5000    | B0ADCJ000100 | DIODE                   | 1   |         |
|        | D5051    | B0JCME000076 | DIODE                   | 1   |         |
|        | D5052    | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D5100    | B0ADEJ000035 | ZENER DIODE             | 1   |         |
|        | D5471    | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D5472    | B0ADEJ000035 | ZENER DIODE             | 1   |         |
|        | D5475    | B0ADCJ000100 | DIODE                   | 1   |         |
|        | D5476    | DZ2J068M0L   | ZENER DIODE             | 1   |         |
|        | D5477    | DZ2J068M0L   | ZENER DIODE             | 1   |         |
|        | D5478    | B0ADCJ000100 | DIODE                   | 1   |         |
|        | D5479    | B0ADCJ000100 | DIODE                   | 1   |         |
|        | D5480    | B0ADCJ000100 | DIODE                   | 1   |         |
|        | D5481    | DZ2J120M0L   | ZENER DIODE             | 1   |         |
|        | D5482    | DZ2J120M0L   | ZENER DIODE             | 1   |         |
|        | D5483    | DZ2J068M0L   | ZENER DIODE             | 1   |         |
|        | D5484    | DZ2J068M0L   | ZENER DIODE             | 1   |         |
|        | D5485    | DZ2J068M0L   | ZENER DIODE             | 1   |         |
|        | D5486    | DZ2J068M0L   | ZENER DIODE             | 1   |         |
|        | D5602    | DZ2J056M0L   | ZENER DIODE             | 1   |         |
|        | D5605    | B0HCMM000014 | DIODE                   | 1   |         |
|        | D9804    | B0JCPG000030 | DIODE                   | 1   |         |
|        | D9805    | B0JCPG000030 | DIODE                   | 1   |         |
|        | D9806    | B0ADCJ000100 | DIODE                   | 1   |         |
|        | D9807    | B0ADCJ000100 | DIODE                   | 1   |         |
|        | D16001   | B0FBCN000005 | DIODE                   | 1   |         |
|        | D16002   | B0FBCN000005 | DIODE                   | 1   |         |
|        | D16021   | B0FCCN000003 | DIODE                   | 1   |         |
|        | D16022   | B0FCCN000003 | DIODE                   | 1   |         |
|        | D16023   | B0FCCN000003 | DIODE                   | 1   |         |
|        | D16032   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16041   | B0FACP000006 | DIODE                   | 1   |         |
|        | D16042   | B0FACP000006 | DIODE                   | 1   |         |
|        | D16050   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16051   | B0FBCN000008 | DIODE                   | 1   |         |
|        | D16052   | B0FBCN000008 | DIODE                   | 1   |         |
|        | D16101   | B0JCME000093 | DIODE                   | 1   |         |
|        | D16131   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16151   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16152   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16153   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16191   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16192   | B0ACJ000048  | DIODE                   | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | D16196   | DZ2J200M0L   | ZENER DIODE             | 1   |         |
|        | D16253   | B3ABB0000210 | LED                     | 1   |         |
|        | D16255   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16280   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16281   | DZ2J051M0L   | ZENER DIODE             | 1   |         |
|        | D16282   | DZ2J068M0L   | ZENER DIODE             | 1   |         |
|        | D16285   | B0ADEJ000035 | ZENER DIODE             | 1   |         |
|        | D16286   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16315   | DZ2J150M0L   | ZENER DIODE             | 1   |         |
|        | D16316   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16317   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16401   | DA3DF50ACSLW | ZENER DIODE             | 1   |         |
|        | D16402   | DA3DF50ACSLW | ZENER DIODE             | 1   |         |
|        | D16407   | B0JCME000093 | DIODE                   | 1   |         |
|        | D16411   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16421   | B0FACP000006 | DIODE                   | 1   |         |
|        | D16422   | B0FACP000005 | DIODE                   | 1   |         |
|        | D16451   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16461   | B0FACP000005 | DIODE                   | 1   |         |
|        | D16462   | B0FACP000005 | DIODE                   | 1   |         |
|        | D16466   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16473   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16474   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16475   | DZ2J051M0L   | ZENER DIODE             | 1   |         |
|        | D16476   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16477   | DZ2J047L0L   | ZENER DIODE             | 1   |         |
|        | D16478   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16480   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16481   | B0FACP000005 | DIODE                   | 1   |         |
|        | D16482   | B0FACP000005 | DIODE                   | 1   |         |
|        | D16490   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16491   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16492   | DZ2J047M0L   | ZENER DIODE             | 1   |         |
|        | D16493   | B0ADCJ000100 | DIODE                   | 1   |         |
|        | D16494   | B0ADCJ000100 | DIODE                   | 1   |         |
|        | D16497   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16503   | B0ECHR000001 | DIODE                   | 1   |         |
|        | D16522   | B0ECHR000001 | DIODE                   | 1   |         |
|        | D16523   | B0ECHR000001 | DIODE                   | 1   |         |
|        | D16534   | B0ECHR000001 | DIODE                   | 1   |         |
|        | D16536   | B0ECHR000001 | DIODE                   | 1   |         |
|        | D16583   | B3ABB0000210 | LED                     | 1   |         |
|        | D16602   | DZ2J150M0L   | ZENER DIODE             | 1   |         |
|        | D16604   | B0ADCJ000100 | DIODE                   | 1   |         |
|        | D16605   | DZ2J051L0L   | ZENER DIODE             | 1   |         |
|        | D16607   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16610   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16618   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16641   | B0FBCN000006 | DIODE                   | 1   |         |
|        | D16642   | B0FBCN000006 | DIODE                   | 1   |         |
|        | D16645   | DZ2J150M0L   | ZENER DIODE             | 1   |         |
|        | D16646   | DZ2J150M0L   | ZENER DIODE             | 1   |         |
|        | D16647   | DZ2J150M0L   | ZENER DIODE             | 1   |         |
|        | D16648   | DZ2J051L0L   | ZENER DIODE             | 1   |         |
|        | D16649   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16650   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16651   | DZ2J051M0L   | ZENER DIODE             | 1   |         |
|        | D16652   | B0ECKP000055 | DIODE                   | 1   |         |
|        | D16653   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16654   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16662   | DZ2J150M0L   | ZENER DIODE             | 1   |         |
|        | D16663   | DZ2J150M0L   | ZENER DIODE             | 1   |         |
|        | D16664   | DZ2J150M0L   | ZENER DIODE             | 1   |         |
|        | D16669   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16671   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16673   | B0ECHR000001 | DIODE                   | 1   |         |
|        | D16674   | B0ECHR000001 | DIODE                   | 1   |         |
|        | D16677   | B0ADEJ000035 | ZENER DIODE             | 1   |         |
|        | D16678   | DZ2J15000L   | ZENER DIODE             | 1   |         |
|        | D16702   | B0ACJ0000048 | DIODE                   | 1   |         |
|        | D16710   | DZ2J15000L   | ZENER DIODE             | 1   |         |
|        | D16711   | B0ECHR000001 | DIODE                   | 1   |         |
|        | D16712   | DZ2J15000L   | ZENER DIODE             | 1   |         |

| Safety | Ref. No. | Part No.      | Part Name & Description | Pcs | Remarks |
|--------|----------|---------------|-------------------------|-----|---------|
|        | D16713   | B0ECHR000001  | DIODE                   | 1   |         |
|        | D16719   | B0ECKP000055  | DIODE                   | 1   |         |
|        | D16720   | B0ECKP000055  | DIODE                   | 1   |         |
|        | D16721   | B0ECHR000001  | DIODE                   | 1   |         |
|        | D16728   | B0ECKP000055  | DIODE                   | 1   |         |
|        | D16765   | B0ECKP000055  | DIODE                   | 1   |         |
|        | D16790   | B0JCME000093  | DIODE                   | 1   |         |
|        | D16791   | DZ2J200M0L    | ZENER DIODE             | 1   |         |
|        | D16792   | B0ACCCJ000048 | DIODE                   | 1   |         |
|        | D16820   | B0ACCCJ000048 | DIODE                   | 1   |         |
|        | D16821   | DZ2J330M0L    | ZENER DIODE             | 1   |         |
|        | D16822   | B0ADCCJ000100 | DIODE                   | 1   |         |
|        | D16824   | DZ2J330M0L    | ZENER DIODE             | 1   |         |
|        | D16825   | DZ2J330M0L    | ZENER DIODE             | 1   |         |
|        | D16859   | B0HCKS000002  | DIODE                   | 1   |         |
|        | D16871   | DZ2J240M0L    | ZENER DIODE             | 1   |         |
|        | D16872   | DZ2J200M0L    | ZENER DIODE             | 1   |         |
|        | D16874   | DZ2J051M0L    | ZENER DIODE             | 1   |         |
|        | D16875   | B0ACCCJ000048 | DIODE                   | 1   |         |
|        | D16893   | DZ2J056H0L    | ZENER DIODE             | 1   |         |
|        | D16901   | B0ADCCJ000100 | DIODE                   | 1   |         |
|        | D16902   | B0ACCCJ000048 | DIODE                   | 1   |         |
|        | D16920   | B0ADCCJ000100 | DIODE                   | 1   |         |
|        |          |               |                         |     |         |
|        | IC1000   | C1ZBZ0003775  | IC                      | 1   |         |
|        | IC1100   | TVRR557       | IC                      | 1   |         |
|        | IC2301   | C1AB00003230  | IC                      | 1   |         |
|        | IC2870   | C0DBAYY00462  | IC                      | 1   |         |
|        | IC2952   | C0DBGYY00281  | IC                      | 1   |         |
|        | IC2953   | C0DBFYY00049  | IC                      | 1   |         |
|        | IC3000   | C1AB00003218  | IC                      | 1   |         |
|        | IC3001   | C0DBGYY00281  | IC                      | 1   |         |
|        | IC5000   | C1ZBZ0004161  | IC                      | 1   |         |
|        | IC5401   | C0DBGYY00884  | IC                      | 1   |         |
|        | IC5600   | C0DBAYY00715  | IC                      | 1   |         |
|        | IC5601   | C0DBAYY00715  | IC                      | 1   |         |
|        | IC5603   | C0DBFYY00049  | IC                      | 1   |         |
|        | IC5604   | C0DBGYY00578  | IC                      | 1   |         |
|        | IC8001   | MN2WS0125FE   | IC                      | 1   |         |
|        | IC8851   | C0DBZYY00350  | IC                      | 1   |         |
|        | IC8921   | TVRR587AE     | IC                      | 1   |         |
|        | IC8950   | TVRR535       | IC                      | 1   | M       |
|        | IC8950   | TVRR536       | IC                      | 1   | P       |
|        | IC9300   | C1AB00003258  | IC                      | 1   |         |
|        | IC9304   | TVRR400AB     | IC                      | 1   |         |
|        | IC9400   | C0JBAZ002692  | IC                      | 1   |         |
|        | IC9401   | C0JBAZ002692  | IC                      | 1   |         |
|        | IC9402   | C0JBAZ002692  | IC                      | 1   |         |
|        | IC9800   | C0DBAYY00605  | IC                      | 1   |         |
|        | IC9801   | C0DBAYY00462  | IC                      | 1   |         |
|        | IC9803   | C0DBAYY00462  | IC                      | 1   |         |
|        | IC16131  | C0ZBZ0001707  | IC                      | 1   |         |
|        | IC16151  | C0ZBZ0001708  | IC                      | 1   |         |
|        | IC16241  | C0JBAU000088  | IC                      | 1   |         |
|        | IC16251  | C0BBBA000024  | IC                      | 1   |         |
|        | IC16304  | MIP3900MSSCF  | IC                      | 1   |         |
|        | IC16312  | C0DBZMC00006  | IC                      | 1   |         |
|        | IC16471  | C0DBEYY00114  | IC                      | 1   |         |
|        | IC16490  | C0DBZMC00006  | IC                      | 1   |         |
|        | IC16491  | C0BBAA000008  | LINEAR IC               | 1   |         |
|        | IC16501  | C0ZBZ0001708  | IC                      | 1   |         |
|        | IC16521  | C0ZBZ0001708  | IC                      | 1   |         |
|        | IC16561  | C0JBAU000088  | IC                      | 1   |         |
|        | IC16562  | C0JBAU000088  | IC                      | 1   |         |
|        | IC16563  | C0JBAB0000916 | IC                      | 1   |         |
|        | IC16581  | C0BBBA000024  | IC                      | 1   |         |
|        | IC16661  | C0BBBA000024  | IC                      | 1   |         |
|        | IC16691  | C0JBAC000363  | IC                      | 1   |         |
|        | IC16692  | C0DBZYY00352  | IC                      | 1   |         |
|        | IC16724  | C0CBADE00049  | IC                      | 1   |         |
|        | IC16771  | C0CBADC00072  | IC                      | 1   |         |
|        | IC16773  | C0JBAB000715  | IC                      | 1   |         |
|        | IC16784  | MIP3910MSSCF  | IC                      | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | IC16785  | C0DBZYY00352 | IC                      | 1   |         |
|        | IC16786  | MIP3910MSSCF | IC                      | 1   |         |
|        | IC16787  | C0DBZYY00352 | IC                      | 1   |         |
|        | IC16792  | C0BBAA000008 | LINEAR IC               | 1   |         |
|        | IC16793  | C0DBZMC00006 | IC                      | 1   |         |
|        | IC16920  | C0BBBA000024 | IC                      | 1   |         |
|        | IC17201  | C0JBAU000088 | IC                      | 1   |         |
|        | IC17301  | C0JBAU000088 | IC                      | 1   |         |
|        | IC17302  | C0JBAZ002692 | IC                      | 1   |         |
|        |          |              |                         |     |         |
|        | JK3107   | K4AK13B00008 | TERMINAL BOARD          | 1   |         |
|        | JK3304   | K1FY315A0008 | CONNECTOR               | 1   |         |
|        | JK4700   | K1FY119D0011 | CONNECTOR               | 1   |         |
|        | JK4701   | K1FY119D0011 | CONNECTOR               | 1   |         |
|        | JK4702   | K1FY119E0015 | CONNECTOR               | 1   |         |
|        | JK8801   | K1FY104B0039 | CONNECTOR               | 1   |         |
|        | JK8850   | K1NA12E00017 | SD CARD CONNec-TOR      | 1   |         |
|        | JK3100A  | K2HA917A0001 | JACK                    | 1   |         |
|        |          |              |                         |     |         |
|        | K1       | K1KA08B00270 | 8P CONNECTOR            | 1   |         |
|        |          |              |                         |     |         |
|        | L2301    | J0JHC0000042 | CHIP INDUCTOR           | 1   |         |
|        | L2302    | G1C3R0ZA0156 | INDUCTION COIL          | 1   |         |
|        | L2303    | G1C220MA0416 | INDUCTION COIL          | 1   |         |
|        | L2304    | G1C220MA0416 | INDUCTION COIL          | 1   |         |
|        | L2305    | G1C220MA0416 | INDUCTION COIL          | 1   |         |
|        | L2306    | G1C220MA0416 | INDUCTION COIL          | 1   |         |
|        | L2870    | G1C101MA0416 | INDUCTION COIL          | 1   |         |
|        | L2871    | J0JHC0000075 | CHIP INDUCTOR           | 1   |         |
|        | L2904    | J0JCC0000278 | CHIP INDUCTOR           | 1   |         |
|        | L2909    | J0JCC0000278 | CHIP INDUCTOR           | 1   |         |
|        | L2910    | J0JCC0000278 | CHIP INDUCTOR           | 1   |         |
|        | L3100    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L3101    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L3102    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L3103    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L3104    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L3107    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L3114    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L3115    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L3117    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L3118    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L3119    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L3120    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L3121    | J0JYC0000331 | CHIP INDUCTOR           | 1   |         |
|        | L4700    | J0JYC0000068 | CHIP INDUCTOR           | 1   |         |
|        | L4701    | J0JYC0000068 | CHIP INDUCTOR           | 1   |         |
|        | L4702    | J0JYC0000068 | CHIP INDUCTOR           | 1   |         |
|        | L4703    | J0JYC0000068 | CHIP INDUCTOR           | 1   |         |
|        | L4704    | J0JYC0000068 | CHIP INDUCTOR           | 1   |         |
|        | L4705    | J0JYC0000068 | CHIP INDUCTOR           | 1   |         |
|        | L4706    | J0JYC0000068 | CHIP INDUCTOR           | 1   |         |
|        | L4707    | J0JYC0000068 | CHIP INDUCTOR           | 1   |         |
|        | L4708    | J0JYC0000068 | CHIP INDUCTOR           | 1   |         |
|        | L5000    | J0JYC0000068 | CHIP INDUCTOR           | 1   |         |
|        | L5600    | G1C2R2Z00006 | INDUCTION COIL          | 1   |         |
|        | L5601    | G1C3R3Z00004 | INDUCTION COIL          | 1   |         |
|        | L5602    | G1C100MA0077 | INDUCTION COIL          | 1   |         |
|        | L5603    | J0JHC0000075 | CHIP INDUCTOR           | 1   |         |
|        | L5604    | G1C3R3Z00005 | INDUCTION COIL          | 1   |         |
|        | L5605    | G1C4R7Z00014 | INDUCTION COIL          | 1   |         |
|        | L5606    | G1C100MA0077 | INDUCTION COIL          | 1   |         |
|        | L5608    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8000    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8001    | J0JHC0000116 | CHIP INDUCTOR           | 1   |         |
|        | L8002    | J0JKC0000021 | CHIP INDUCTOR           | 1   |         |
|        | L8003    | J0JKC0000021 | CHIP INDUCTOR           | 1   |         |
|        | L8004    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8005    | J0JKC0000021 | CHIP INDUCTOR           | 1   |         |
|        | L8007    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8008    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8009    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | L8010    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8011    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8012    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8013    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8014    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8015    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8016    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8017    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8018    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8019    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8020    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8021    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8022    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8023    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8024    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8025    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8850    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8851    | J0JHC0000045 | CHIP INDUCTOR           | 1   |         |
|        | L8920    | J0JHC0000075 | CHIP INDUCTOR           | 1   |         |
|        | L9300    | J0JHC0000117 | CHIP INDUCTOR           | 1   |         |
|        | L9301    | J0JHC0000117 | CHIP INDUCTOR           | 1   |         |
|        | L9302    | J0JHC0000117 | CHIP INDUCTOR           | 1   |         |
|        | L9800    | G1C6R8Z00010 | INDUCTION COIL          | 1   |         |
|        | L9801    | G1C100MA0416 | INDUCTION COIL          | 1   |         |
|        | L9802    | G1C100MA0416 | INDUCTION COIL          | 1   |         |
|        | L16001   | G0CR28K00001 | PEAKING COIL            | 1   |         |
|        | L16011   | G0CR28K00001 | PEAKING COIL            | 1   |         |
|        | L16303   | G0C471MA0049 | PEAKING COIL            | 1   |         |
|        | L16401   | G0CR28K00001 | PEAKING COIL            | 1   |         |
|        | L16411   | G0CR28K00001 | PEAKING COIL            | 1   |         |
|        | L16472   | G0ZZ00002183 | PEAKING COIL            | 1   |         |
|        | L16698   | G0C681MA0065 | PEAKING COIL            | 1   |         |
|        | L16851   | G0ZZ00002183 | PEAKING COIL            | 1   |         |
|        |          |              |                         |     |         |
|        | PA5610   | K5H4022A0031 | FUSE                    | 1   |         |
|        |          |              |                         |     |         |
|        | PC16191  | B3PBA0000496 | IC                      | 1   |         |
|        | PC16301  | B3PBA0000498 | IC                      | 1   |         |
|        | PC16461  | B3PBE0000054 | IC                      | 1   |         |
|        | PC16480  | B3PBA0000498 | IC                      | 1   |         |
|        | PC16603  | B3PBA0000498 | IC                      | 1   |         |
|        | PC16684  | B3PBA0000496 | IC                      | 1   |         |
|        | PC16685  | B3PBA0000496 | IC                      | 1   |         |
|        | PC16722  | B3PBA0000498 | IC                      | 1   |         |
|        | PC16723  | B3PBA0000498 | IC                      | 1   |         |
|        | PC16896  | B3PBA0000498 | IC                      | 1   |         |
|        | PC16897  | B3PBA0000498 | IC                      | 1   |         |
|        |          |              |                         |     |         |
|        | Q2101    | DSA200100L   | TRANSISTOR              | 1   |         |
|        | Q2109    | DSA200100L   | TRANSISTOR              | 1   |         |
|        | Q2252    | DSA200100L   | TRANSISTOR              | 1   |         |
|        | Q2253    | B1AAF0000002 | TRANSISTOR              | 1   |         |
|        | Q2254    | B1AAF0000002 | TRANSISTOR              | 1   |         |
|        | Q2255    | DSC2001S0L   | TRANSISTOR              | 1   |         |
|        | Q2301    | DSA200100L   | TRANSISTOR              | 1   |         |
|        | Q2510    | DSC200100L   | TRANSISTOR              | 1   |         |
|        | Q2511    | DSC200100L   | TRANSISTOR              | 1   |         |
|        | Q2512    | DSC200100L   | TRANSISTOR              | 1   |         |
|        | Q2903    | B1CBHD000002 | FET                     | 1   |         |
|        | Q2904    | B1CBHD000002 | FET                     | 1   |         |
|        | Q3104    | DSC200100L   | TRANSISTOR              | 1   |         |
|        | Q3105    | DSC200100L   | TRANSISTOR              | 1   |         |
|        | Q4512    | B1HFCFA00026 | TRANSISTOR              | 1   |         |
|        | Q4513    | DSA200100L   | TRANSISTOR              | 1   |         |
|        | Q4700    | DSC200100L   | TRANSISTOR              | 1   |         |
|        | Q4702    | DSC200100L   | TRANSISTOR              | 1   |         |
|        | Q4704    | DSC200100L   | TRANSISTOR              | 1   |         |
|        | Q5000    | DSC200100L   | TRANSISTOR              | 1   |         |
|        | Q5051    | DSA200100L   | TRANSISTOR              | 1   |         |
|        | Q5100    | DSC2001S0L   | TRANSISTOR              | 1   |         |
|        | Q5101    | DSC200100L   | TRANSISTOR              | 1   |         |
|        | Q5471    | DSA200100L   | TRANSISTOR              | 1   |         |
|        | Q5472    | DSC2001S0L   | TRANSISTOR              | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | Q5600    | B1MBDDA00003 | FET                     | 1   |         |
|        | Q5601    | B1MBEDA00015 | FET                     | 1   |         |
|        | Q5602    | DSC2001S0L   | TRANSISTOR              | 1   |         |
|        | Q5603    | DSC2001S0L   | TRANSISTOR              | 1   |         |
|        | Q5604    | B1MBDDA00003 | FET                     | 1   |         |
|        | Q5605    | B1MBEDA00015 | FET                     | 1   |         |
|        | Q9900    | DSC200100L   | TRANSISTOR              | 1   |         |
|        | Q9901    | DSC200100L   | TRANSISTOR              | 1   |         |
|        | Q16001   | B1JADN000009 | TRANSISTOR              | 1   |         |
|        | Q16002   | B1JADN000009 | TRANSISTOR              | 1   |         |
|        | Q16003   | B1JADN000009 | TRANSISTOR              | 1   |         |
|        | Q16021   | B1JADN000008 | TRANSISTOR              | 1   |         |
|        | Q16022   | B1JADN000008 | TRANSISTOR              | 1   |         |
|        | Q16023   | B1JADN000008 | TRANSISTOR              | 1   |         |
|        | Q16041   | B1JAEN000010 | TRANSISTOR              | 1   |         |
|        | Q16051   | B1JAEN000011 | TRANSISTOR              | 1   |         |
|        | Q16055   | B1HFFFA00001 | TRANSISTOR              | 1   |         |
|        | Q16056   | B1HFFFA00001 | TRANSISTOR              | 1   |         |
|        | Q16101   | B1CFRM000008 | FET                     | 1   |         |
|        | Q16102   | B1CFRM000008 | FET                     | 1   |         |
|        | Q16141   | B1HFFFA00001 | TRANSISTOR              | 1   |         |
|        | Q16161   | B1HFFFA00001 | TRANSISTOR              | 1   |         |
|        | Q16191   | B1HFFFA00001 | TRANSISTOR              | 1   |         |
|        | Q16251   | B1ABCF000231 | TRANSISTOR              | 1   |         |
|        | Q16280   | B1ABCF000231 | TRANSISTOR              | 1   |         |
|        | Q16401   | DG3D5020CSLW | TRANSISTOR              | 1   |         |
|        | Q16402   | DG3D5020CSLW | TRANSISTOR              | 1   |         |
|        | Q16403   | DG3D5020CSLW | TRANSISTOR              | 1   |         |
|        | Q16421   | DG3D4020CSR  | TRANSISTOR              | 1   |         |
|        | Q16422   | DG3D4020CSR  | TRANSISTOR              | 1   |         |
|        | Q16423   | DG3D4020CSR  | TRANSISTOR              | 1   |         |
|        | Q16441   | B1JAEP000013 | TRANSISTOR              | 1   |         |
|        | Q16452   | B1JAEP000012 | TRANSISTOR              | 1   |         |
|        | Q16471   | B1ABCF000231 | TRANSISTOR              | 1   |         |
|        | Q16490   | B1CBGD000001 | FET                     | 1   |         |
|        | Q16501   | B1HFFFA00001 | TRANSISTOR              | 1   |         |
|        | Q16521   | B1HFFFA00001 | TRANSISTOR              | 1   |         |
|        | Q16531   | B1HFFFA00001 | TRANSISTOR              | 1   |         |
|        | Q16551   | B1HFFFA00001 | TRANSISTOR              | 1   |         |
|        | Q16601   | B1CERR000042 | FET                     | 1   |         |
|        | Q16602   | DSC2001Q0L   | TRANSISTOR              | 1   |         |
|        | Q16603   | DSA2001S0L   | TRANSISTOR              | 1   |         |
|        | Q16606   | DSC2001Q0L   | TRANSISTOR              | 1   |         |
|        | Q16607   | B1CBGD000001 | FET                     | 1   |         |
|        | Q16608   | B1CBGD000001 | FET                     | 1   |         |
|        | Q16621   | B1JADN000009 | TRANSISTOR              | 1   |         |
|        | Q16622   | B1JADN000009 | TRANSISTOR              | 1   |         |
|        | Q16645   | DSC2001Q0L   | TRANSISTOR              | 1   |         |
|        | Q16646   | DSA2001S0L   | TRANSISTOR              | 1   |         |
|        | Q16647   | B1CBGD000001 | FET                     | 1   |         |
|        | Q16649   | B1ABCN000007 | TRANSISTOR              | 1   |         |
|        | Q16660   | B1CERR000042 | FET                     | 1   |         |
|        | Q16661   | B1JAER000010 | TRANSISTOR              | 1   |         |
|        | Q16662   | DSC2001Q0L   | TRANSISTOR              | 1   |         |
|        | Q16663   | DSA2001S0L   | TRANSISTOR              | 1   |         |
|        | Q16668   | DSC2001Q0L   | TRANSISTOR              | 1   |         |
|        | Q16670   | B1ADCN000007 | TRANSISTOR              | 1   |         |
|        | Q16671   | B1ABCF000231 | TRANSISTOR              | 1   |         |
|        | Q16675   | B1ADCN000007 | TRANSISTOR              | 1   |         |
|        | Q16676   | B1ABCF000231 | TRANSISTOR              | 1   |         |
|        | Q16677   | DSC2001Q0L   | TRANSISTOR              | 1   |         |
|        | Q16678   | B1ABCF000231 | TRANSISTOR              | 1   |         |
|        | Q16701   | B1ADCN000007 | TRANSISTOR              | 1   |         |
|        | Q16702   | B1ABCF000231 | TRANSISTOR              | 1   |         |
|        | Q16762   | B1HFFFA00001 | TRANSISTOR              | 1   |         |
|        | Q16801   | DSA2001S0L   | TRANSISTOR              | 1   |         |
|        | Q16810   | B1ABCF000231 | TRANSISTOR              | 1   |         |
|        | Q16815   | B1ABCN000007 | TRANSISTOR              | 1   |         |
|        | Q16816   | DSC2001Q0L   | TRANSISTOR              | 1   |         |
|        | Q16817   | DSC2001Q0L   | TRANSISTOR              | 1   |         |
|        | Q16818   | B1CBGD000001 | FET                     | 1   |         |
|        | Q16876   | B1ABCF000231 | TRANSISTOR              | 1   |         |
|        | Q16885   | B1CFNG000001 | FET                     | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | Q16920   | B1ABCN000007 | TRANSISTOR              | 1   |         |
|        | Q16921   | B1ABCN000007 | TRANSISTOR              | 1   |         |
|        | Q16930   | DSC2001Q0L   | TRANSISTOR              | 1   |         |
|        | Q16931   | B1ABCN000007 | TRANSISTOR              | 1   |         |
|        | Q16932   | DSC2001Q0L   | TRANSISTOR              | 1   |         |
|        |          |              |                         |     |         |
|        | R0900    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R0901    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R0902    | EXB28V680JX  | M 68 OHM 1/32 W         | 1   |         |
|        | R0903    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R0905    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R0910    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R0911    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R0912    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R0913    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R0940    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R0941    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R0942    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R0943    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R0944    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R0945    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R0948    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R0949    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R0957    | ERJ2GEJ102X  | M 1KOHM, J,1/16W        | 1   |         |
|        | R0966    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R0967    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R0980    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R0981    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R0982    | ERJ2GEJ220   | M 22 OHM, J,1/16W       | 1   |         |
|        | R0983    | ERJ2GEJ220   | M 22 OHM, J,1/16W       | 1   |         |
|        | R0984    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R0985    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R1179    | D1BB7151A055 | M7.15KOHM,J,1/10W       | 1   |         |
|        | R1180    | ERJ2GEJ102X  | M 1KOHM, J,1/16W        | 1   |         |
|        | R1181    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R1183    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R1185    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R1186    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R1187    | D0GA273JA015 | M 27K OHM J,1/16W       | 1   |         |
|        | R1503    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R1518    | D0GA683JA015 | M 68KOHM, J,1/16W       | 1   |         |
|        | R1519    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R1520    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R1521    | ERJ2GEJ104   | M100KOHM, J,1/16W       | 1   |         |
|        | R1552    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R1562    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R1563    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R2053    | D1BB1403A055 | M 140KOHM,J,1/10W       | 1   |         |
|        | R2055    | D1BB1403A055 | M 140KOHM,J,1/10W       | 1   |         |
|        | R2069    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R2070    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R2101    | D0GA332JA015 | M 3.3KOHM, J,1/16W      | 1   |         |
|        | R2102    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R2103    | ERJ2GEJ220   | M 22 OHM, J,1/16W       | 1   |         |
|        | R2104    | D0GA122JA015 | M 1.2KOHM, J,1/16W      | 1   |         |
|        | R2107    | D0GAR00Z0001 | M 0 OHM, 1/16W          | 1   |         |
|        | R2110    | ERJ2GEJ220   | M 22 OHM, J,1/16W       | 1   |         |
|        | R2121    | D0GA681JA015 | M680 OHM, J,1/16W       | 1   |         |
|        | R2135    | ERJ2GEJ102X  | M 1KOHM, J,1/16W        | 1   |         |
|        | R2139    | ERJ2GEJ221   | M 220 OHM, J,1/16W      | 1   |         |
|        | R2254    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R2255    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R2256    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R2257    | D0GA105JA015 | M 1M OHM, J,1/16W       | 1   |         |
|        | R2258    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R2259    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R2260    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R2263    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R2264    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R2301    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R2302    | EXB28V220J   | M 22 OHM 1/32 W         | 1   |         |
|        | R2304    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R2307    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R2308    | ERJ2GEJ221   | M 220 OHM, J,1/16W      | 1   |         |
|        | R2309    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R2310    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R2318    | ERJ8GEYJ3R3V | M 3.3 OHM, J,1/4W       | 1   |         |
|        | R2319    | ERJ8GEYJ3R3V | M 3.3 OHM, J,1/4W       | 1   |         |
|        | R2320    | ERJ8GEYJ3R3V | M 3.3 OHM, J,1/4W       | 1   |         |
|        | R2321    | ERJ8GEYJ3R3V | M 3.3 OHM, J,1/4W       | 1   |         |
|        | R2510    | ERJ3GEYJ470  | M 47 OHM,J,1/10W        | 1   |         |
|        | R2511    | D0GB104JA041 | M 100KOHM J 1/10W       | 1   |         |
|        | R2512    | D0GB224JA041 | M 220KOHM,J,1/10W       | 1   |         |
|        | R2513    | ERJ3GEYJ223  | M 22KOHM,J,1/10W        | 1   |         |
|        | R2514    | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R2515    | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R2516    | D1BB6800A055 | M 680 OHM,J,1/10W       | 1   |         |
|        | R2517    | ERJ3GEYJ223  | M 22KOHM,J,1/10W        | 1   |         |
|        | R2518    | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R2519    | D1BB1821A055 | M1.82KOHM,J,1/10W       | 1   |         |
|        | R2750    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R2753    | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R2816    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R2820    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R2823    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R2870    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R2871    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R2872    | D1BA1501A014 | M 1.5KOHM,J,1/16W       | 1   |         |
|        | R2873    | D1BA1002A014 | M 10KOHM,J. 1/16W       | 1   |         |
|        | R2875    | D0GA390JA015 | M 39 OHM, J,1/16W       | 1   |         |
|        | R2879    | D1BA1803A014 | M 180KOHM,J,1/16W       | 1   |         |
|        | R2880    | D1BB1432A055 | M14.3KOHM,J,1/10W       | 1   |         |
|        | R2881    | D1BB6651A055 | M6.65KOHM,J,1/10W       | 1   |         |
|        | R2882    | D1BB7151A055 | M7.15KOHM,J,1/10W       | 1   |         |
|        | R2883    | D1BB1741A055 | M1.74KOHM,J,1/10W       | 1   |         |
|        | R2900    | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R2901    | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R2902    | D0GAR00Z0001 | M 0 OHM, 1/16W          | 1   |         |
|        | R2903    | D0GAR00Z0001 | M 0 OHM, 1/16W          | 1   |         |
|        | R2904    | D0GAR00Z0001 | M 0 OHM, 1/16W          | 1   |         |
|        | R2905    | D0GAR00Z0001 | M 0 OHM, 1/16W          | 1   |         |
|        | R2906    | D0GAR00Z0001 | M 0 OHM, 1/16W          | 1   |         |
|        | R2908    | D0GA682JA015 | M6.8KOHM, J,1/16W       | 1   |         |
|        | R2910    | D0GBR00Z0002 | M 0 OHM J 1/10W         | 1   |         |
|        | R2911    | ERJ2GEJ221   | M 220 OHM, J,1/16 W     | 1   |         |
|        | R2918    | D0GAR00Z0001 | M 0 OHM, 1/16W          | 1   |         |
|        | R2921    | D0GA682JA015 | M6.8KOHM, J,1/16W       | 1   |         |
|        | R3012    | ERJ2GEJ221   | M 220 OHM, J,1/16 W     | 1   |         |
|        | R3013    | ERJ2GEJ221   | M 220 OHM, J,1/16 W     | 1   |         |
|        | R3014    | ERJ2GEJ221   | M 220 OHM, J,1/16 W     | 1   |         |
|        | R3101    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R3102    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R3103    | ERJ6RED750   | M 75 OHM,.D1/10W        | 1   |         |
|        | R3104    | ERJ6RED750   | M 75 OHM,.D1/10W        | 1   |         |
|        | R3105    | ERJ6RED750   | M 75 OHM,.D1/10W        | 1   |         |
|        | R3106    | D0GA333JA015 | M 33KOHM,J,1/16W        | 1   |         |
|        | R3107    | D0GA333JA015 | M 33KOHM,J,1/16W        | 1   |         |
|        | R3108    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R3109    | ERJ6RED750   | M 75 OHM,.D1/10W        | 1   |         |
|        | R3117    | ERJ2GEJ221   | M 220 OHM, J,1/16 W     | 1   |         |
|        | R3119    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R3120    | EXB28V221JX  | M 220 OHM 1/32 W        | 1   |         |
|        | R3123    | EXB28V680JX  | M 68 OHM 1/32 W         | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R3127    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R3128    | ERJ2GEJ104   | M100KOHM, J,1/16W       | 1   |         |
|        | R3130    | ERJ6RED750   | M 75 OHM,.D1/10W        | 1   |         |
|        | R3144    | ERJ6RED750   | M 75 OHM,.D1/10W        | 1   |         |
|        | R3152    | ERJ2GEJ221   | M 220 OHM, J,1/16 W     | 1   |         |
|        | R3165    | D0GA333JA015 | M 33KOHM,J,1/16W        | 1   |         |
|        | R3166    | D0GA333JA015 | M 33KOHM,J,1/16W        | 1   |         |
|        | R3173    | ERJ2GEJ221   | M 220 OHM, J,1/16 W     | 1   |         |
|        | R3174    | ERJ2GEJ221   | M 220 OHM, J,1/16 W     | 1   |         |
|        | R3181    | ERJ6RED750   | M 75 OHM,.D1/10W        | 1   |         |
|        | R3182    | ERJ6RED750   | M 75 OHM,.D1/10W        | 1   |         |
|        | R3183    | ERJ6RED750   | M 75 OHM,.D1/10W        | 1   |         |
|        | R3184    | ERJ2GEJ104   | M100KOHM, J,1/16W       | 1   |         |
|        | R3185    | ERJ2GEJ104   | M100KOHM, J,1/16W       | 1   |         |
|        | R3186    | D0GA333JA015 | M 33KOHM,J,1/16W        | 1   |         |
|        | R3187    | D0GA333JA015 | M 33KOHM,J,1/16W        | 1   |         |
|        | R3190    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R3191    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R3192    | EXB28V820JX  | M 82 OHM 1/32 W         | 1   |         |
|        | R3194    | D0GA331JA015 | M 330 OHM, J,1/16W      | 1   |         |
|        | R3195    | D0GA331JA015 | M 330 OHM, J,1/16W      | 1   |         |
|        | R3213    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R3214    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R3221    | ERJ6RED750   | M 75 OHM,.D1/10W        | 1   |         |
|        | R4003    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R4004    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R4005    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R4006    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R4011    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R4548    | ERJ2GEJ220   | M 22 OHM, J,1/16 W      | 1   |         |
|        | R4549    | D0GA151JA015 | M 150 OHM, J,1/16W      | 1   |         |
|        | R4550    | D0GA151JA015 | M 150 OHM, J,1/16W      | 1   |         |
|        | R4551    | D0GA151JA015 | M 150 OHM, J,1/16W      | 1   |         |
|        | R4552    | D0GA560JA015 | M 56 OHM, J,1/16W       | 1   |         |
|        | R4553    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R4554    | ERJ2GEJ102X  | M 1KOHM, J.1/16W        | 1   |         |
|        | R4556    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R4560    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R4655    | ERJ2GEJ220   | M 22 OHM, J,1/16 W      | 1   |         |
|        | R4659    | ERJ2GEJ220   | M 22 OHM, J,1/16 W      | 1   |         |
|        | R4663    | ERJ2GEJ220   | M 22 OHM, J,1/16 W      | 1   |         |
|        | R4668    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R4670    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R4672    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R4702    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R4703    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R4704    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R4708    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R4709    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R4711    | ERJ2GEJ102X  | M 1KOHM, J,1/16W        | 1   |         |
|        | R4712    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R4715    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R4716    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R4717    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R4721    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R4722    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R4724    | ERJ2GEJ102X  | M 1KOHM, J,1/16W        | 1   |         |
|        | R4725    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R4728    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R4729    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R4730    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R4734    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R4735    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R4737    | ERJ2GEJ102X  | M 1KOHM, J,1/16W        | 1   |         |
|        | R4738    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R4739    | ERJ2GEJ220   | M 22 OHM, J,1/16W       | 1   |         |
|        | R4752    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R4753    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R4754    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R4755    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R4756    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R4757    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R4763    | ERJ2GEJ104   | M100KOHM, J,1/16W       | 1   |         |
|        | R4764    | ERJ2GEJ104   | M100KOHM, J,1/16W       | 1   |         |
|        | R4765    | ERJ2GEJ104   | M100KOHM, J,1/16W       | 1   |         |
|        | R5005    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R5006    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R5007    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R5008    | D0GA822JA015 | M8.2KOHM, J,1/16W       | 1   |         |
|        | R5050    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R5051    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R5052    | D0GA105JA015 | M 1M OHM, J,1/16W       | 1   |         |
|        | R5061    | ERJ6GEYJ150V | M 15 OHM, J,1/8W        | 1   |         |
|        | R5065    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R5100    | D0GA273JA015 | M 27K OHM J,1/16W       | 1   |         |
|        | R5101    | ERJ2GEJ104   | M100KOHM, J,1/16W       | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R5102    | ERJ2GEJ104   | M100KOHM, J,1/16W       | 1   |         |
|        | R5103    | D0GA683JA015 | M 68KOHM, J,1/16W       | 1   |         |
|        | R5104    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R5106    | D0GA683JA015 | M 68KOHM, J,1/16W       | 1   |         |
|        | R5110    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R5151    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R5152    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R5153    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R5154    | D0GA470JA015 | M 47 OHM, J,1/16W       | 1   |         |
|        | R5155    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R5471    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R5472    | D0GA332JA015 | M 3.3KOHM, J,1/16W      | 1   |         |
|        | R5473    | ERJ2GEJ102X  | M 1KOHM, J,1/16W        | 1   |         |
|        | R5474    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R5475    | ERJ6GEYJ221V | M 220 OHM, J,1/8W       | 1   |         |
|        | R5479    | ERJ6GEYJ471  | M 470 OHM, J,1/8W       | 1   |         |
|        | R5481    | ERJ2GEJ221   | M 220 OHM, J,1/16W      | 1   |         |
|        | R5485    | ERJ6GEYJ104V | M 100KOHM, J,1/8W       | 1   |         |
|        | R5486    | ERJ6GEYJ102V | M 1K OHM J 1/8W         | 1   |         |
|        | R5487    | ERJ6GEYJ472V | M 4.7KOHM. J.1/8W       | 1   |         |
|        | R5488    | ERJ6GEYJ472V | M 4.7KOHM. J.1/8W       | 1   |         |
|        | R5489    | ERJ6GEYJ472V | M 4.7KOHM. J.1/8W       | 1   |         |
|        | R5490    | ERJ6GEYJ472V | M 4.7KOHM. J.1/8W       | 1   |         |
|        | R5491    | ERJ6GEYJ472V | M 4.7KOHM. J.1/8W       | 1   |         |
|        | R5492    | ERJ6GEYJ472V | M 4.7KOHM. J.1/8W       | 1   |         |
|        | R5493    | ERJ6GEYJ472V | M 4.7KOHM. J.1/8W       | 1   |         |
|        | R5494    | ERJ6GEYJ472V | M 4.7KOHM. J.1/8W       | 1   |         |
|        | R5600    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R5601    | D1BB8200A087 | M 820 OHM, J,1/10W      | 1   |         |
|        | R5602    | D1BB2701A087 | M 2.7KOHM, J,1/10W      | 1   |         |
|        | R5603    | D1BB1241A087 | M1.24KOHM, J,1/10W      | 1   |         |
|        | R5604    | D1BB2001A087 | M 2KOHM, J,1/10W        | 1   |         |
|        | R5605    | D1BB2002A055 | M 20KOHM, J,1/10W       | 1   |         |
|        | R5606    | D1BB2402A055 | M 24KOHM, J,1/10W       | 1   |         |
|        | R5607    | D0GA223JA015 | M 22K OHM J 1/16W       | 1   |         |
|        | R5608    | D0GA683JA015 | M 68KOHM, J,1/16W       | 1   |         |
|        | R5609    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R5610    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R5611    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R5612    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R5613    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R5616    | D0GB100JA041 | M 10 OHM J 1/10W        | 1   |         |
|        | R5617    | D0GB100JA041 | M 10 OHM J 1/10W        | 1   |         |
|        | R5618    | D1BB3301A055 | M 3.3KOHM, J,1/10W      | 1   |         |
|        | R5619    | D1BB5601A055 | M 5.6KOHM, J,1/10W      | 1   |         |
|        | R5620    | D1BB1001A055 | M 1KOHM, J. 1/10W       | 1   |         |
|        | R5621    | D1BB1001A055 | M 1KOHM, J. 1/10W       | 1   |         |
|        | R5622    | D1BB2402A055 | M 24KOHM, J.1/10W       | 1   |         |
|        | R5623    | D1BB2202A055 | M 22KOHM, J.1/10W       | 1   |         |
|        | R5626    | D0GB100JA041 | M 10 OHM J 1/10W        | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R5627    | D0GB100JA041 | M 10 OHM J 1/10W        | 1   |         |
|        | R5640    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R5641    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R5642    | ERJ2GEJ104   | M100KOHM, J,1/16 W      | 1   |         |
|        | R5643    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R5644    | D0GA752JA015 | M7.5KOHM, J,1/16W       | 1   |         |
|        | R8002    | D1BB2402A055 | M 24KOHM,J.1/10W        | 1   |         |
|        | R8003    | D1BB1002A055 | M 10KOHM,J.1/10W        | 1   |         |
|        | R8004    | D1BB2402A055 | M 24KOHM,J.1/10W        | 1   |         |
|        | R8005    | D1BA1001A014 | M 1KOHM,J. 1/16 W       | 1   |         |
|        | R8006    | D1BA1001A014 | M 1KOHM,J. 1/16 W       | 1   |         |
|        | R8007    | D0GA111JA015 | M 110 OHM, J,1/16W      | 1   |         |
|        | R8008    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8009    | D1BA56R0A014 | M 56 OHM,J.1/16 W       | 1   |         |
|        | R8010    | D1BA3000A014 | M 300 OHM,J.1/16 W      | 1   |         |
|        | R8011    | D0GB331JA041 | M330 OHM J 1/10W        | 1   |         |
|        | R8014    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8015    | ERJ2GEJ102X  | M 1KOHM, J.1/16 W       | 1   |         |
|        | R8017    | D0GA471JA015 | M 470OHM, J,1/16W       | 1   |         |
|        | R8031    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R8032    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8211    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8212    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8396    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8470    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8488    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8489    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8490    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8491    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8492    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8493    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8494    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8495    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8496    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8497    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8499    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8500    | EXB2HV103JV  | M 10 kOHM 1/16 W        | 1   |         |
|        | R8511    | EXB28V103JX  | M 10KOHM 1/32 W         | 1   |         |
|        | R8512    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8513    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8514    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R8606    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R8610    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R8616    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R8617    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R8618    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8622    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8627    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8628    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8631    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8632    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8633    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R8636    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8638    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8639    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8645    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8646    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8649    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8652    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8660    | EXB2HV680J   | M 68 OHM 1/16 W         | 1   |         |
|        | R8661    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R8664    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8669    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8671    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R8733    | D1BB1600A055 | M 160 OHM,J.1/10W       | 1   |         |
|        | R8824    | D1BA6201A014 | M 6.2KOHM,J.1/16 W      | 1   |         |
|        | R8856    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R8857    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8859    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8860    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8861    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8862    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8863    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8867    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8868    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R8869    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8870    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |
|        | R8872    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R8873    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R8874    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R8875    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R8876    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R8877    | D0GA330JA015 | M 33 OHM, J,1/16W       | 1   |         |
|        | R8878    | ERJ2GEJ103   | M 10KOHM, J,1/16 W      | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R8879    | EXB28V103JX  | M 10KOHM 1/32 W         | 1   |         |
|        | R8880    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R8890    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R8894    | D0GA272JA015 | M 2.7KOHM, J,1/16W      | 1   |         |
|        | R8900    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8918    | EXB2HV680J   | M 68 OHM 1/16 W         | 1   |         |
|        | R8919    | EXB2HV680J   | M 68 OHM 1/16 W         | 1   |         |
|        | R8920    | D0GA222JA015 | M 2.2KOHM, J,1/16W      | 1   |         |
|        | R8922    | EXB2HVR000   | M 0 OHM 1/16 W          | 1   |         |
|        | R8923    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8924    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8925    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8926    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8927    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8928    | D0GA680JA015 | M 68 OHM, J,1/16W       | 1   |         |
|        | R8950    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R9014    | D1BB5601A055 | M 5.6KOHM,J,1/10W       | 1   |         |
|        | R9016    | D0GA2R2JA014 | M 2.2OHM, J,1/16W       | 1   |         |
|        | R9017    | D1BB4701A055 | M 4.7KOHM,J,1/10W       | 1   |         |
|        | R9019    | D0GA2R2JA014 | M 2.2OHM, J,1/16W       | 1   |         |
|        | R9030    | ERJ6GEYJ472V | M 4.7KOHM.J,1/8W        | 1   |         |
|        | R9031    | ERJ6GEYJ331V | M 330 OHM J 1/8W        | 1   |         |
|        | R9035    | D0GA332JA015 | M 3.3KOHM, J,1/16W      | 1   |         |
|        | R9039    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R9040    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R9054    | D0GAR00Z0001 | M 0 OHM, 1/16W          | 1   |         |
|        | R9058    | D0GAR00Z0001 | M 0 OHM, 1/16W          | 1   |         |
|        | R9103    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R9104    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R9105    | D0GA473JA015 | M 47KOHM, J,1/16W       | 1   |         |
|        | R9107    | D0GA332JA015 | M 3.3KOHM, J,1/16W      | 1   |         |
|        | R9118    | D0GAR00Z0001 | M 0 OHM, 1/16W          | 1   |         |
|        | R9120    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R9145    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R9190    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R9191    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R9198    | EXB28V101JX  | M 100 OHM 1/32 W        | 1   |         |
|        | R9203    | D0GA272JA015 | M 2.7KOHM, J,1/16W      | 1   |         |
|        | R9205    | D0GA333JA015 | M 33KOHM,J,1/16W        | 1   |         |
|        | R9206    | D0GA563JA015 | M 56KOHM, J,1/16W       | 1   |         |
|        | R9208    | EXB2HV470JV  | M 47 OHM 1/16 W         | 1   |         |
|        | R9209    | EXB2HV470JV  | M 47 OHM 1/16 W         | 1   |         |
|        | R9224    | D0GA470JA015 | M 47 OHM, J,1/16W       | 1   |         |
|        | R9226    | D0GA470JA015 | M 47 OHM, J,1/16W       | 1   |         |
|        | R9247    | D0GA470JA015 | M 47 OHM, J,1/16W       | 1   |         |
|        | R9318    | ERJ2GEJ102X  | M 1KOHM, J,1/16W        | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R9320    | D0GA152JA015 | M 1.5KOHM, J,1/16W      | 1   |         |
|        | R9321    | D0GA105JA015 | M 1M OHM, J,1/16W       | 1   |         |
|        | R9323    | ERJ2GEJ102X  | M 1KOHM, J,1/16W        | 1   |         |
|        | R9324    | D0GB162JA041 | M 1.6KOHM J 1/10W       | 1   |         |
|        | R9325    | D0GB162JA041 | M 1.6KOHM J 1/10W       | 1   |         |
|        | R9326    | D0GB162JA041 | M 1.6KOHM J 1/10W       | 1   |         |
|        | R9327    | D0GB162JA041 | M 1.6KOHM J 1/10W       | 1   |         |
|        | R9400    | EXB2HV103JV  | M 10 kohm 1/16 W        | 1   |         |
|        | R9401    | EXB2HV103JV  | M 10 kohm 1/16 W        | 1   |         |
|        | R9402    | EXB28V103JX  | M 10KOHM 1/32 W         | 1   |         |
|        | R9608    | EXB2HV470JV  | M 47 OHM 1/16 W         | 1   |         |
|        | R9609    | EXB2HV470JV  | M 47 OHM 1/16 W         | 1   |         |
|        | R9610    | EXB2HV470JV  | M 47 OHM 1/16 W         | 1   |         |
|        | R9872    | D1BB3301A055 | M 3.3KOHM,J,1/10W       | 1   |         |
|        | R9873    | D1BB1002A055 | M 10KOHM,J,1/10W        | 1   |         |
|        | R9874    | D1BB2702A055 | M 27KOHM,J,1/10W        | 1   |         |
|        | R9875    | D1BB2002A055 | M 20KOHM,J,1/10W        | 1   |         |
|        | R9877    | D1BB4702A055 | M 47KOHM,J,1/10W        | 1   |         |
|        | R9878    | D1BB1002A055 | M 10KOHM,J,1/10W        | 1   |         |
|        | R9879    | D1BB1502A055 | M 15KOHM, J,1/10W       | 1   |         |
|        | R9903    | D0GA472JA015 | M 4.7KOHM, J,1/16W      | 1   |         |
|        | R9904    | ERJ2GEJ104   | M100KOHM, J,1/16W       | 1   |         |
|        | R9905    | ERJ2GEJ103   | M 10KOHM, J,1/16W       | 1   |         |
|        | R9907    | D0GA101JA015 | M 100 OHM, J,1/16W      | 1   |         |
|        | R9908    | D1BB1202A055 | M 12KOHM,J,1/10W        | 1   |         |
|        | R9909    | D1BB2702A055 | M 27KOHM,J,1/10W        | 1   |         |
|        | R9910    | D1BB1002A055 | M 10KOHM,J,1/10W        | 1   |         |
|        | R9920    | D0GA390JA015 | M 39 OHM, J,1/16W       | 1   |         |
|        | R9921    | D0GA390JA015 | M 39 OHM, J,1/16W       | 1   |         |
|        | R16001   | D0GF7R5JA047 | M 7.5 OHM,J, 1/3W       | 1   |         |
|        | R16002   | D0GF7R5JA047 | M 7.5 OHM,J, 1/3W       | 1   |         |
|        | R16003   | D0GF7R5JA047 | M 7.5 OHM,J, 1/3W       | 1   |         |
|        | R16021   | D0GF7R5JA047 | M 7.5 OHM,J, 1/3W       | 1   |         |
|        | R16022   | D0GF7R5JA047 | M 7.5 OHM,J, 1/3W       | 1   |         |
|        | R16023   | D0GF7R5JA047 | M 7.5 OHM,J, 1/3W       | 1   |         |
|        | R16031   | ERJ6ENF8202  | M 82KOHM,F,1/8W         | 1   |         |
|        | R16032   | ERJ6ENF8202  | M 82KOHM,F,1/8W         | 1   |         |
|        | R16033   | ERJ6ENF5602  | M 56KOHM,F,1/8W         | 1   |         |
|        | R16034   | ERJ6ENF2702  | M 27KOHM,F,1/8W         | 1   |         |
|        | R16041   | D0GF5R6JA047 | M 5.6 OHM,J, 1/3W       | 1   |         |
|        | R16051   | D0GF5R6JA047 | M 5.6 OHM,J, 1/3W       | 1   |         |
|        | R16101   | D0GD221JA059 | M 220 OHM,J,1/4W        | 1   |         |
|        | R16102   | D0GD221JA059 | M 220 OHM,J,1/4W        | 1   |         |
|        | R16103   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16104   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16105   | ERJ8GEYJ474  | M470KOHM, J,1/4W        | 1   |         |
|        | R16109   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16116   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16131   | ERJ8GEYJ101V | M 100 OHM, J,1/4W       | 1   |         |
|        | R16132   | ERJ8GEYJ101V | M 100 OHM, J,1/4W       | 1   |         |
|        | R16134   | D0GD750JA059 | M 75 OHM,J,1/4W         | 1   |         |
|        | R16137   | D0GF1R0JA047 | M 1 OHM,J,1/3W          | 1   |         |
|        | R16141   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R16143   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16151   | ERJ8GEYJ101V | M 100 OHM, J, 1/4W      | 1   |         |
|        | R16152   | ERJ8GEYJ101V | M 100 OHM, J, 1/4W      | 1   |         |
|        | R16154   | D0GD750JA059 | M 75 OHM,J,1/4W         | 1   |         |
|        | R16155   | D0GF1R0JA047 | M 1 OHM,J,1/3W          | 1   |         |
|        | R16159   | D0GF1R0JA047 | M 1 OHM,J,1/3W          | 1   |         |
|        | R16161   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16163   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16171   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16173   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16181   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16183   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16191   | ERJ6GEYJ151V | M 150 OHM,J,1/8W        | 1   |         |
|        | R16192   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16193   | ERJ6GEYJ750  | M 75 OHM,J,1/8W         | 1   |         |
|        | R16195   | D0GF1R0JA047 | M 1 OHM,J,1/3W          | 1   |         |
|        | R16230   | ERJ6GEYJ470V | M 47 OHM,J,1/8W         | 1   |         |
|        | R16231   | ERJ3GEYJ472  | M 4.7KOHM,J,1/10W       | 1   |         |
|        | R16241   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R16242   | EXB38V472JV  | M 4.7 KOHM 1/16 W       | 1   |         |
|        | R16251   | D1BB1401A055 | M 1.4KOHM,J.1/10W       | 1   |         |
|        | R16252   | ERJ6ENF3902  | M 39KOHM,F.1/8W         | 1   |         |
|        | R16253   | ERJ6ENF3902  | M 39KOHM,F.1/8W         | 1   |         |
|        | R16254   | ERJ6ENF6801  | M 6.8KOHM,F.1/8W        | 1   |         |
|        | R16255   | D1BB1201A055 | M 1.2KOHM,J.1/10W       | 1   |         |
|        | R16256   | D1BB1501A055 | M1.50KOHM,J.1/10W       | 1   |         |
|        | R16257   | D0GB273JA041 | M 27K OHM J 1/10W       | 1   |         |
|        | R16258   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16260   | ERJ6GEYJ222V | M 2.2KOHM.J. 1/8W       | 1   |         |
|        | R16280   | D0GB222JA041 | M 2.2KOHM,J,1/10W       | 1   |         |
|        | R16281   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16282   | ERJ6GEYJ221V | M 220 OHM,J,1/8W        | 1   |         |
|        | R16283   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16284   | D0GB224JA041 | M 220KOHM,J,1/10W       | 1   |         |
|        | R16285   | EXB38V623J   | M 62 KOHM 1/16 W        | 1   |         |
|        | R16288   | D0GF334JA047 | M 330KOHMJ,1/3W         | 1   |         |
|        | R16289   | D0GF334JA047 | M 330KOHMJ,1/3W         | 1   |         |
|        | R16290   | D0GF334JA047 | M 330KOHMJ,1/3W         | 1   |         |
|        | R16307   | ERJ6RBD5112  | M51.1KOHM,D.1/10W       | 1   |         |
|        | R16309   | ERG1FJS333D  | M 33KOHM, J, 1W         | 1   |         |
|        | R16318   | ERJ6RBD7682  | M76.8KOHM,D.1/10W       | 1   |         |
|        | R16319   | ERJ6RBD2491  | M2.49KOHM,D.1/10W       | 1   |         |
|        | R16320   | ERJ14YJ683   | M 68KOHM, J. 1/4W       | 1   |         |
|        | R16330   | D0GB102JA041 | M 1KOHM,J,1/10W         | 1   |         |
|        | R16332   | D0GB474JA041 | M 470KOHM,J,1/10W       | 1   |         |
|        | R16334   | ERJ3GEYJ472  | M 4.7KOHM,J,1/10W       | 1   |         |
|        | R16335   | D0GB102JA041 | M 1KOHM,J,1/10W         | 1   |         |
|        | R16401   | D0GF7R5JA047 | M 7.5 OHM,J, 1/3W       | 1   |         |
|        | R16402   | D0GF7R5JA047 | M 7.5 OHM,J, 1/3W       | 1   |         |
|        | R16403   | D0GF7R5JA047 | M 7.5 OHM,J, 1/3W       | 1   |         |
|        | R16410   | D0GB391JA041 | M 390 OHM,J,1/10W       | 1   |         |
|        | R16411   | ERJ6ENF2700  | M 270 OHM,F.1/8W        | 1   |         |
|        | R16416   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R16417   | ERJ6GEYJ101V | M 100 OHM,J,1/8W        | 1   |         |
|        | R16418   | ERJ6GEYJ101V | M 100 OHM,J,1/8W        | 1   |         |
|        | R16421   | D0GF7R5JA047 | M 7.5 OHM,J, 1/3W       | 1   |         |
|        | R16422   | D0GF7R5JA047 | M 7.5 OHM,J, 1/3W       | 1   |         |
|        | R16423   | D0GF7R5JA047 | M 7.5 OHM,J, 1/3W       | 1   |         |
|        | R16441   | D0GF5R6JA047 | M 5.6 OHM,J, 1/3W       | 1   |         |
|        | R16452   | D0GF5R6JA047 | M 5.6 OHM,J, 1/3W       | 1   |         |
|        | R16465   | ERJ6ENF2702  | M 27KOHM,F.1/8W         | 1   |         |
|        | R16466   | ERJ6ENF5602  | M 56KOHM,F.1/8W         | 1   |         |
|        | R16467   | ERJ6ENF8202  | M 82KOHM,F.1/8W         | 1   |         |
|        | R16468   | ERJ6ENF8202  | M 82KOHM,F.1/8W         | 1   |         |
|        | R16471   | D0GB392JA041 | M 3.9KOHM,J,1/10W       | 1   |         |
|        | R16472   | D0GB222JA041 | M 2.2KOHM,J,1/10W       | 1   |         |
|        | R16473   | ERJ6GEYF561  | M 560 OHM,J,1/8W        | 1   |         |
|        | R16474   | D0GB102JA041 | M 1KOHM,J,1/10W         | 1   |         |
|        | R16475   | ERJ3GEYJ472  | M 4.7KOHM,J,1/10W       | 1   |         |
|        | R16476   | ERJ3GEYJ472  | M 4.7KOHM,J,1/10W       | 1   |         |
|        | R16478   | D0GB562JA041 | M 5.6KOHM,J,1/10W       | 1   |         |
|        | R16479   | ERJ6GEYJ103V | M 10KOHM J 1/8W         | 1   |         |
|        | R16490   | ERJ6RED124   | M 120KOHM,D.1/10W       | 1   |         |
|        | R16491   | ERJ6RED124   | M 120KOHM,D.1/10W       | 1   |         |
|        | R16492   | ERJ6RED124   | M 120KOHM,D.1/10W       | 1   |         |
|        | R16493   | ERJ6RBD6191  | M6.19KOHM,D.1/10W       | 1   |         |
|        | R16494   | D1BB2001A055 | M 2KOHM,J.1/10W         | 1   |         |
|        | R16495   | ERJ6ENF7500  | M 750 OHM,F.1/8W        | 1   |         |
|        | R16496   | ERJ6GEYJ470V | M 47 OHM,J,1/8W         | 1   |         |
|        | R16497   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16498   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16503   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16504   | D0GD750JA059 | M 75 OHM,J,1/4W         | 1   |         |
|        | R16506   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16509   | D0GF1R0JA047 | M 1 OHM,J,1/3W          | 1   |         |
|        | R16512   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16517   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16521   | ERJ6GEYJ101V | M 100 OHM,J,1/8W        | 1   |         |
|        | R16522   | ERJ6GEYJ101V | M 100 OHM,J,1/8W        | 1   |         |
|        | R16523   | D0GD750JA059 | M 75 OHM,J,1/4W         | 1   |         |
|        | R16531   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16533   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16534   | D0GF5R6JA047 | M 5.6 OHM,J, 1/3W       | 1   |         |
|        | R16551   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16553   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16561   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R16562   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R16563   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R16564   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R16565   | EXB38V472JV  | M 4.7 KOHM 1/16 W       | 1   |         |
|        | R16566   | EXB38V472JV  | M 4.7 KOHM 1/16 W       | 1   |         |
|        | R16567   | EXB38V472JV  | M 4.7 KOHM 1/16 W       | 1   |         |
|        | R16568   | EXB38V472JV  | M 4.7 KOHM 1/16 W       | 1   |         |
|        | R16570   | EXB38V472JV  | M 4.7 KOHM 1/16 W       | 1   |         |
|        | R16579   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R16580   | D0GB562JA041 | M 5.6KOHM,J,1/10W       | 1   |         |
|        | R16582   | ERJ6ENF3902  | M 39KOHM,F.1/8W         | 1   |         |
|        | R16583   | ERJ6ENF3902  | M 39KOHM,F.1/8W         | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R16584   | ERJ6ENF6801  | M 6.8KOHM,F.1/8W        | 1   |         |
|        | R16585   | D1BB1001A055 | M 1KOHM,J. 1/10W        | 1   |         |
|        | R16586   | D1BB2151A055 | M2.15KOHM,J.1/10W       | 1   |         |
|        | R16587   | D0GB222JA041 | M 2.2KOHM,J,1/10W       | 1   |         |
|        | R16588   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16590   | ERJ3GEYJ221  | M 220 OHM,J,1/10W       | 1   |         |
|        | R16591   | EXB38V472JV  | M 4.7 kOHM 1/16 W       | 1   |         |
|        | R16593   | D1BB1401A055 | M 1.4KOHM,J.1/10W       | 1   |         |
|        | R16601   | D0GF1R0JA047 | M 1 OHM,J,1/3W          | 1   |         |
|        | R16604   | ERJ6GEYJ331V | M 330 OHM J 1/8W        | 1   |         |
|        | R16605   | ERJ6GEYJ182  | M 1.8KOHM,J,1/8W        | 1   |         |
|        | R16607   | D1BB6981A055 | M6.98KOHM,J.1/10W       | 1   |         |
|        | R16609   | D0GF202JA047 | M 2KOHM,J,1/3W          | 1   |         |
|        | R16610   | D0GB104JA041 | M 100KOHM J 1/10W       | 1   |         |
|        | R16612   | D0GD470JA059 | M 47 OHM,J,1/4W         | 1   |         |
|        | R16615   | D1BB1101A055 | M 1.1 KOHM,J.1/10W      | 1   |         |
|        | R16617   | ERJ6GEYJ222V | M 2.2KOHM.J. 1/8W       | 1   |         |
|        | R16621   | ERJ6GEYJ221V | M 220 OHM,J,1/8W        | 1   |         |
|        | R16622   | ERJ6GEYJ221V | M 220 OHM,J,1/8W        | 1   |         |
|        | R16631   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16633   | ERJ6GEYJ223  | M 22KOHM,J,1/8W         | 1   |         |
|        | R16634   | ERJ6GEYJ471  | M 470 OHM,J,1/8W        | 1   |         |
|        | R16645   | D0GB562JA041 | M 5.6KOHM,J,1/10W       | 1   |         |
|        | R16646   | D1BB1181A055 | M 1.18KOHM,J.1/10W      | 1   |         |
|        | R16648   | D0GF202JA047 | M 2KOHM,J,1/3W          | 1   |         |
|        | R16649   | D0GD330JA059 | M 33 OHM,F,1/4W         | 1   |         |
|        | R16650   | D0GB104JA041 | M 100KOHM J 1/10W       | 1   |         |
|        | R16651   | D0GF202JA047 | M 2KOHM,J,1/3W          | 1   |         |
|        | R16652   | ERJ6GEYF822  | M 8.2KOHM,J,1/8W        | 1   |         |
|        | R16653   | ERJ8GEYJ182  | M 1.8KOHM, J,1/4W       | 1   |         |
|        | R16654   | ERJ6GEYJ470V | M 47 OHM,J,1/8W         | 1   |         |
|        | R16655   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16656   | ERJ8GEYJ472V | M 4.7KOHM, J,1/4W       | 1   |         |
|        | R16658   | ERJ3RBD6341  | M6.34KOHM,D 1/16W       | 1   |         |
|        | R16659   | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | R16660   | ERJ6GEYJ222V | M 2.2KOHM.J. 1/8W       | 1   |         |
|        | R16661   | D0GB122JA041 | M 1.2KOHM J 1/10W       | 1   |         |
|        | R16662   | D1BB1002A087 | M 10KOHM,J.1/10W        | 1   |         |
|        | R16663   | ERJ6RBD7151  | M 7.15KOHM,D.1/10W      | 1   |         |
|        | R16664   | D0GF202JA047 | M 2KOHM,J,1/3W          | 1   |         |
|        | R16665   | D0GD330JA059 | M 33 OHM,F,1/4W         | 1   |         |
|        | R16666   | D1BB2202A087 | M 22KOHM,J.1/10W        | 1   |         |
|        | R16667   | D0GF202JA047 | M 2KOHM,J,1/3W          | 1   |         |
|        | R16668   | D0GF202JA047 | M 2KOHM,J,1/3W          | 1   |         |
|        | R16673   | ERJ6GEYJ472V | M 4.7KOHM.J.1/8W        | 1   |         |
|        | R16674   | D0GF202JA047 | M 2KOHM,J,1/3W          | 1   |         |
|        | R16675   | ERJ3GEYJ472  | M 4.7KOHM,J,1/10W       | 1   |         |
|        | R16677   | D0GF202JA047 | M 2KOHM,J,1/3W          | 1   |         |
|        | R16678   | D0GF202JA047 | M 2KOHM,J,1/3W          | 1   |         |
|        | R16679   | ERJ3RBD1072  | M10.7KOHM,D 1/16W       | 1   |         |
|        | R16680   | ERJ6GEYJ472V | M 4.7KOHM.J.1/8W        | 1   |         |
|        | R16681   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16682   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16684   | ERJ6GEYJ221V | M 220 OHM,J,1/8W        | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R16685   | ERJ6GEYJ221V | M 220 OHM,J,1/8W        | 1   |         |
|        | R16686   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16687   | D1BB2702A055 | M 27KOHM,J.1/10W        | 1   |         |
|        | R16688   | D1BB8871A055 | M8.87KOHM,J.1/10W       | 1   |         |
|        | R16690   | ERJ3GEYJ472  | M 4.7KOHM,J,1/10W       | 1   |         |
|        | R16691   | ERJ8GEYJ563  | M 56KOHM, J,1/4W        | 1   |         |
|        | R16692   | ERJ6RBD152   | M 1.5 kOHM D 1/10 W     | 1   |         |
|        | R16694   | ERJ8GEYJ563  | M 56KOHM, J,1/4W        | 1   |         |
|        | R16695   | ERJ6RBD152   | M 1.5 kOHM D 1/10 W     | 1   |         |
|        | R16696   | ERF5TK2R2    | W 2.2 OHM, K, 5W        | 1   |         |
|        | R16699   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16707   | ERJ6GEYJ392  | M 3.9KOHM,J,1/8W        | 1   |         |
|        | R16711   | ERJ3GEYJ472  | M 4.7KOHM,J,1/10W       | 1   |         |
|        | R16712   | ERJ6GEYJ102V | M 1K OHM J 1/8W         | 1   |         |
|        | R16717   | D0GB102JA041 | M 1KOHM,J,1/10W         | 1   |         |
|        | R16719   | ERJ3GEYJ220  | M 22 OHM,J,1/10W        | 1   |         |
|        | R16721   | EXB38V220JV  | M 22 OHM 1/16 W         | 1   |         |
|        | R16742   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16745   | D0GB474JA041 | M 470KOHM,J,1/10W       | 1   |         |
|        | R16746   | ERJ6GEYF473  | M 47KOHM,J,1/8W         | 1   |         |
|        | R16747   | ERJ6GEYJ222V | M 2.2KOHM.J. 1/8W       | 1   |         |
|        | R16750   | D0GD123JA059 | M 12 kOHM F 1/4 W       | 1   |         |
|        | R16751   | D0GD154JA059 | M 150KOHM,J,1/4W        | 1   |         |
|        | R16752   | ERJ3GEYJ472  | M 4.7KOHM,J,1/10W       | 1   |         |
|        | R16753   | ERJ6GEYF473  | M 47KOHM,J,1/8W         | 1   |         |
|        | R16755   | D0GD123JA059 | M 12 kOHM F 1/4 W       | 1   |         |
|        | R16756   | D0GD123JA059 | M 12 kOHM F 1/4 W       | 1   |         |
|        | R16761   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16763   | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R16765   | D0GD100JA059 | M 10 OHM,J,1/4W         | 1   |         |
|        | R16769   | D0GD750JA059 | M 75 OHM,J,1/4W         | 1   |         |
|        | R16772   | ERJ3GEYJ472  | M 4.7KOHM,J,1/10W       | 1   |         |
|        | R16773   | ERJ6GEYJ102V | M 1K OHM J 1/8W         | 1   |         |
|        | R16774   | ERG1SJ273    | M 27KOHM, J, 1W         | 1   |         |
|        | R16776   | ERJ6GEYJ470V | M 47 OHM,J,1/8W         | 1   |         |
|        | R16783   | D0GD154JA059 | M 150KOHM,J,1/4W        | 1   |         |
|        | R16785   | ERJ6ENF1073  | M 107KOHM,F. 1/8W       | 1   |         |
|        | R16786   | ERJ6ENF1073  | M 107KOHM,F. 1/8W       | 1   |         |
|        | R16787   | ERJ6ENF3302  | M 33KOHM,F.1/8W         | 1   |         |
|        | R16789   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16791   | D0GB102JA041 | M 1KOHM,J,1/10W         | 1   |         |
|        | R16797   | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R16798   | D0GB222JA041 | M 2.2KOHM,J,1/10W       | 1   |         |
|        | R16799   | D0GB102JA041 | M 1KOHM,J,1/10W         | 1   |         |
|        | R16801   | ERJ6RBD223V  | M 22KOHM,D.1/10W        | 1   |         |
|        | R16802   | ERJ6RBD3092  | M30.9KOHM,D.1/10W       | 1   |         |
|        | R16804   | ERJ8GEYJ112  | M 1.1KOHM, J,1/4W       | 1   |         |
|        | R16818   | D1BB3302A055 | M 33KOHM,J.1/10W        | 1   |         |
|        | R16819   | ERJ6ENF1503  | M 150KOHM.F.1/8W        | 1   |         |
|        | R16820   | ERJ6ENF1503  | M 150KOHM.F.1/8W        | 1   |         |
|        | R16822   | ERJ6ENF8202  | M 82KOHM,F.1/8W         | 1   |         |
|        | R16823   | ERJ6ENF8202  | M 82KOHM,F.1/8W         | 1   |         |
|        | R16824   | ERJ6ENF3302  | M 33KOHM,F.1/8W         | 1   |         |
|        | R16825   | D0GD154JA059 | M 150KOHM,J,1/4W        | 1   |         |
|        | R16826   | ERJ6GEYJ103V | M 10KOHM J 1/8W         | 1   |         |
|        | R16827   | D0GB222JA041 | M 2.2KOHM,J,1/10W       | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R16829   | D0GB102JA041 | M 1KOHM,J,1/10W         | 1   |         |
|        | R16831   | ERJ6RBD6812  | M68.1KOHM,D.1/10W       | 1   |         |
|        | R16832   | ERJ6RBD7152  | M71.50KOHM,D.1/10W      | 1   |         |
|        | R16837   | D0GB102JA041 | M 1KOHM,J,1/10W         | 1   |         |
|        | R16838   | ERG1FJS104D  | M 100KOHM, J, 1W        | 1   |         |
|        | R16841   | ERJ3GEYJ472  | M 4.7KOHM,J,1/10W       | 1   |         |
|        | R16843   | ERJ6GEYJ102V | M 1K OHM J 1/8W         | 1   |         |
|        | R16844   | ERA6YEB242   | M 2.4KOHM, B 1/10W      | 1   |         |
|        | R16845   | ERJ6RBD6652  | M66.5KOHM,D.1/10W       | 1   |         |
|        | R16846   | ERJ6RBD6492  | M64.9KOHM,D.1/10W       | 1   |         |
|        | R16849   | ERJ6RBD6492  | M64.9KOHM,D.1/10W       | 1   |         |
|        | R16851   | D0GB474JA041 | M 470KOHM,J,1/10W       | 1   |         |
|        | R16852   | D0GB474JA041 | M 470KOHM,J,1/10W       | 1   |         |
|        | R16860   | ERG2FNJS8R2E | M 8.2 OHM, J, 2W        | 1   |         |
|        | R16870   | ERJ14YJ683   | M 68KOHM, J. 1/4W       | 1   |         |
|        | R16873   | ERA6YEB242   | M 2.4KOHM, B 1/10W      | 1   |         |
|        | R16891   | D1BF6982A058 | M 69.8KOHM, 1/4W        | 1   |         |
|        | R16892   | D1BF8252A058 | M82.50KOHM, 1/4W        | 1   |         |
|        | R16893   | D1BF8252A058 | M82.50KOHM, 1/4W        | 1   |         |
|        | R16897   | D1BB1001A055 | M 1KOHM,J. 1/10W        | 1   |         |
|        | R16898   | D1BB1051A055 | M1.05KOHM,J.1/10W       | 1   |         |
|        | R16899   | D1BB2741A055 | M2.74KOHM,J.1/10W       | 1   |         |
|        | R16900   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16901   | ERJ3GEYJ472  | M 4.7KOHM,J,1/10W       | 1   |         |
|        | R16904   | ERJ6GEYJ223  | M 22KOHM,J,1/8W         | 1   |         |
|        | R16919   | D1BB7501A055 | M 7.5KOHM,J.1/10W       | 1   |         |
|        | R16920   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16921   | D1BB1241A055 | M1.24KOHM,J.1/10W       | 1   |         |
|        | R16922   | D1BB3481A055 | M3.48KOHM,J.1/10W       | 1   |         |
|        | R16923   | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R16926   | ERJ6GEYJ222V | M 2.2KOHM.J. 1/8W       | 1   |         |
|        | R16927   | ERJ6GEYJ223  | M 22KOHM,J,1/8W         | 1   |         |
|        | R16928   | ERJ6GEYJ472V | M 4.7KOHM,J.1/8W        | 1   |         |
|        | R16929   | D0GF1R0JA047 | M 1 OHM,J,1/3W          | 1   |         |
|        | R16930   | D1BF2R70A021 | M 2.7 OHM, 1/4W         | 1   |         |
|        | R16931   | D1BF2R70A021 | M 2.7 OHM, 1/4W         | 1   |         |
|        | R16932   | ERJ6GEYJ223  | M 22KOHM,J,1/8W         | 1   |         |
|        | R16933   | D1BB1002A055 | M 10KOHM,J.1/10W        | 1   |         |
|        | R16934   | D1BB6801A055 | M 6.8KOHM,J.1/10W       | 1   |         |
|        | R16935   | D0GB512JA041 | 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   |         |
|        | R17111   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17112   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17113   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17114   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17115   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R17116   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17117   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17118   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17121   | D0GB201JA041 | M 200 OHM,J,1/10W       | 1   |         |
|        | R17122   | D0GB201JA041 | M 200 OHM,J,1/10W       | 1   |         |
|        | R17123   | D0GB201JA041 | M 200 OHM,J,1/10W       | 1   |         |
|        | R17124   | D0GB201JA041 | M 200 OHM,J,1/10W       | 1   |         |
|        | R17126   | D0GB102JA041 | M 1KOHM,J,1/10W         | 1   |         |
|        | R17127   | ERJ6GEYJ224  | M 220KOHM,J,1/8W        | 1   |         |
|        | R17131   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17133   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17135   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17137   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17142   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R17199   | D0GF151JA047 | M 150 OHM,J, 1/3W       | 1   |         |
|        | R17204   | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | R17211   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17212   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17213   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17214   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17215   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17216   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17217   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17218   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17221   | D0GB201JA041 | M 200 OHM,J,1/10W       | 1   |         |
|        | R17222   | D0GB201JA041 | M 200 OHM,J,1/10W       | 1   |         |
|        | R17223   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17224   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17226   | D0GB681JA041 | M 680 OHM,J,1/10W       | 1   |         |
|        | R17229   | ERJ6GEYJ224  | M 220KOHM,J,1/8W        | 1   |         |
|        | R17231   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17233   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17235   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17237   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17241   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R17242   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R17247   | EXB38V681J   | M 680 OHM 1/16 W        | 1   |         |
|        | R17294   | D0GBR00Z0002 | M 0 OHM J 1/10W         | 1   |         |
|        | R17295   | D0GBR00Z0002 | M 0 OHM J 1/10W         | 1   |         |
|        | R17296   | D0GBR00Z0002 | M 0 OHM J 1/10W         | 1   |         |
|        | R17311   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17312   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17313   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17314   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17315   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17316   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17317   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17318   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17319   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R17320   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17321   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17322   | D0GB201JA041 | M 200 OHM,J,1/10W       | 1   |         |
|        | R17323   | D0GB201JA041 | M 200 OHM,J,1/10W       | 1   |         |
|        | R17324   | D0GB201JA041 | M 200 OHM,J,1/10W       | 1   |         |
|        | R17325   | D0GB201JA041 | M 200 OHM,J,1/10W       | 1   |         |
|        | R17326   | ERJ6GEYJ224  | M 220KOHM,J,1/8W        | 1   |         |
|        | R17331   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17333   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17335   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17337   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17339   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17341   | D0GB681JA041 | M 680 OHM,J,1/10W       | 1   |         |
|        | R17342   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R17343   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R17344   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R17345   | EXB38V470J   | M 47 OHM 1/16 W         | 1   |         |
|        | R17346   | EXB38V681J   | M 680 OHM 1/16 W        | 1   |         |
|        | R17347   | EXB38V681J   | M 680 OHM 1/16 W        | 1   |         |
|        | R17348   | EXB38V681J   | M 680 OHM 1/16 W        | 1   |         |
|        | R17349   | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | R17350   | D0GBR00Z0002 | M 0 OHM J 1/10W         | 1   |         |
|        | R17351   | D0GBR00Z0002 | M 0 OHM J 1/10W         | 1   |         |
|        | R17352   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17353   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17354   | D0GB201JA041 | M 200 OHM,J,1/10W       | 1   |         |
|        | R17355   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17357   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17358   | D0GB101JA041 | M 100 OHM,J,1/10W       | 1   |         |
|        | R17359   | D0GB201JA041 | M 200 OHM,J,1/10W       | 1   |         |
|        | R17360   | D0GZ1R0JA020 | M 1 OHM, J,1/2W         | 1   |         |
|        | R17395   | D0GBR00Z0002 | M 0 OHM J 1/10W         | 1   |         |
|        | R17399   | D0GF151JA047 | M 150 OHM,J, 1/3W       | 1   |         |
|        |          |              |                         |     |         |
|        | RM2510   | B3RAD0000168 | REMOTE SENSOR           | 1   |         |
|        |          |              |                         |     |         |
|        | S1B      | K1KA03BA0237 | 3P CONNECTOR            | 1   |         |
|        |          |              |                         |     |         |
|        | SC2      | K1KY02B00012 | 2P CONNECTOR            | 1   |         |
|        | SC20     | K1MY35BA0345 | 35P CONNECTOR           | 1   |         |
|        | SC41     | K1KA09AA0707 | 9P CONNECTOR            | 1   |         |
|        | SC42     | K1KA09AA0707 | 9P CONNECTOR            | 1   |         |
|        | SC46     | K1KA09AA0707 | 9P CONNECTOR            | 1   |         |
|        | SC50     | K1KA02AA0193 | 2P CONNECTOR            | 1   |         |
|        |          |              |                         |     |         |
|        | SN2510   | B3JB00000078 | IC                      | 1   |         |
|        |          |              |                         |     |         |
|        | SS11     | K1KY03B00006 | 3P CONNECTOR            | 1   |         |
|        | SS21     | K1KA07A00170 | 7P CONNECTOR            | 1   |         |
|        | SS24     | K1KB07AA0087 | 7P CONNECTOR            | 1   |         |
|        | SS33     | K1KY08AA0719 | 8P CONNECTOR            | 1   |         |
|        | SS53     | K1MY13BA0343 | 13P CONNECTOR           | 1   |         |
|        | SS56     | K1MY13BA0343 | 13P CONNECTOR           | 1   |         |
|        | SS58     | K1MN13B00091 | 13P CONNECTOR           | 1   |         |
|        |          |              |                         |     |         |
|        | SW2500   | K0F162B00002 | SWITCH                  | 1   |         |
|        | SW5150   | K0H1BA000445 | SWITCH                  | 1   |         |
|        | SW5151   | K0H1BA000445 | SWITCH                  | 1   |         |
|        | SW5152   | K0H1BA000445 | SWITCH                  | 1   |         |
|        | SW5153   | K0H1BA000445 | SWITCH                  | 1   |         |
|        | SW5154   | K0H1BA000445 | SWITCH                  | 1   |         |
|        |          |              |                         |     |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | T16471   | G4DYA0000200 | SWITCHING TRANS         | 1   |         |
|        |          |              |                         |     |         |
| ⚠      | TU2901B  | ENG39F02GF   | TUNER                   | 1   |         |
|        |          |              |                         |     |         |
|        | X8000    | H0J245500101 | CRYSTAL                 | 1   |         |
|        | X8001    | H0J120500062 | CRYSTAL                 | 1   |         |
|        | X9300    | H0J200500076 | CRYSTAL                 | 1   |         |
|        |          |              |                         |     |         |
|        | ZA16001  | K4CD01000011 | AV TERMINAL             | 1   |         |
|        | ZA16002  | K4CD01000011 | AV TERMINAL             | 1   |         |
|        | ZA16003  | K4CD01000011 | AV TERMINAL             | 1   |         |
|        | ZA16401  | K4CD01000011 | AV TERMINAL             | 1   |         |
|        | ZA16402  | K4CD01000011 | AV TERMINAL             | 1   |         |
|        | ZA16403  | K4CD01000011 | AV TERMINAL             | 1   |         |
|        | ZA16404  | K4CD01000011 | AV TERMINAL             | 1   |         |
|        | ZA16407  | K4CD01000011 | AV TERMINAL             | 1   |         |
|        | ZA17101  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        | ZA17102  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        | ZA17103  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        | ZA17104  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        | ZA17201  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        | ZA17202  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        | ZA17203  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        | ZA17204  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        | ZA17301  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        | ZA17302  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        | ZA17303  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        | ZA17304  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        | ZA17305  | K4CD01000013 | AV TERMINAL             | 1   |         |
|        |          |              |                         |     |         |
| ⚠      | A601     | AYRA652MSV8T | ARRESTOR                | 1   |         |
|        |          |              |                         |     |         |
|        | C201     | ECJ1VB1H332K | C 3300PF, 50V           | 1   |         |
|        | C202     | ACDE2R221KP  | 2kv 220p                | 1   |         |
|        | C203     | ACDE2R221KP  | 2kv 220p                | 1   |         |
|        | C204     | ECWH8473HA   | P 0.033UF 800V          | 1   |         |
|        | C205     | ECWH8473HA   | P 0.033UF 800V          | 1   |         |
| ⚠      | C206     | ACKX101KYJT5 | 250V 100p               | 1   |         |
|        | C207     | ECJ2XB1H104K | C 0.1UF, K, 50V         | 1   |         |
|        | C208     | ACMBC681J5T  | 50V 680p                | 1   |         |
|        | C209     | ECJ1VC1H471J | C 470PF J 50V           | 1   |         |
|        | C211     | ACRZL1H100T  | 50V 1000P               | 1   |         |
|        | C212     | ACRZL1H100T  | 50V 1000P               | 1   |         |
|        | C213     | ACYBB475K2F  | 25V 4.7PF               | 1   |         |
|        | C214     | ACMH1H010T   | 50V 1P                  | 1   |         |
|        | C215     | ECJ1VB1E333K | C 0.033UF, 25V          | 1   |         |
|        | C217     | ACMEB104K2T  | 25V 0.1P                | 1   |         |
|        | C218     | ACMBB106K1AT | 10V 10P                 | 1   |         |
|        | C219     | ECJ1VB1H472K | C 4700PF, 50V           | 1   |         |
|        | C220     | ACMBB106K1AT | 10V 10P                 | 1   |         |
|        | C221     | ACMEB104K5T  | 50V 0.1P                | 1   |         |
|        | C251     | ACMEB104K2T  | 25V 0.1P                | 1   |         |
|        | C252     | ECQV1H224JL  | P 0.22UF, J, 50V        | 1   |         |
|        | C255     | ECQE2473SKF  | C 0.047U 250V           | 1   |         |
| ⚠      | C256     | ACCST230102K | 230V 1000P              | 1   |         |
|        | C257     | ACDE1SL220JP | 1kv 22p                 | 1   |         |
|        | C352     | ACRZL1V561T  | 35V 560P                | 1   |         |
|        | C366     | ACRZL1E471LT | 25V 470P                | 1   |         |
|        | C375     | ACMAB105K5T  | 50V 1P                  | 1   |         |
|        | C376     | ACMEB105K1T  | 16V 1P                  | 1   |         |
|        | C379     | ECJ2VB1H472K | C 0.42PF, 50V           | 1   |         |
|        | C380     | ACMEB333K5T  | 50V 0.033P              | 1   |         |
|        | C382     | ECJ1VB1H103K | C 0.01UF, 50V           | 1   |         |
|        | C383     | ACMEB105K1T  | 16V 1P                  | 1   |         |
|        | C401     | ECQE2104SKF  | 250V 0.1PF              | 1   |         |
|        | C402     | ECQE2104SKF  | 250V 0.1PF              | 1   |         |
| ⚠      | C403     | ACKMQ140471H | 140V 470P               | 1   |         |
|        | C404     | ACRZL1H101T  | 50V 100P                | 1   |         |
|        | C405     | ACMBR222K2ET | 250V 2200p              | 1   |         |
| ⚠      | C406     | ACKMQ1K182ZE | 80V 1500P               | 1   |         |
|        | C407     | ACRR3DD101K7 | 2kv 100PF               | 1   |         |
| ⚠      | C408     | ACKMQ1K182ZE | 80V 1500P               | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description       | Pcs | Remarks |
|--------|----------|--------------|-------------------------------|-----|---------|
|        | C409     | ACMBR222K2ET | 250V 2200p                    | 1   |         |
|        | C410     | ACMEB222K5T  | 50V 2200p                     | 1   |         |
|        | C413     | ECJ1VB1H103K | C 0.01UF, 50V                 | 1   |         |
|        | C415     | ACMEB104K5T  | 50V 0.1P                      | 1   |         |
|        | C416     | ACMEB224K2T  | 25V 0.22P                     | 1   |         |
|        | C418     | ECJ1VB1H103K | C 0.01UF, 50V                 | 1   |         |
|        | C419     | ECJ1VB1H103K | C 0.01UF, 50V                 | 1   |         |
|        | C420     | ACMEB224K2T  | 25V 0.22P                     | 1   |         |
| △      | C501     | ACLE103KC    | 0.01PF                        | 1   |         |
| △      | C503     | ACPAG2W390T  | 450V 39P                      | 1   |         |
|        | C505     | ACRZL1H220T  | 50V 22P                       | 1   |         |
|        | C506     | ECJ1VB1H102K | C 1000UF, 50V                 | 1   |         |
|        | C507     | ECJ1VB1H103K | C 0.01UF, 50V                 | 1   |         |
|        | C508     | ACMBB474K2T  | 25V 0.47P                     | 1   |         |
|        | C509     | ECJ1VB1H103K | C 0.01UF, 50V                 | 1   |         |
|        | C510     | ACRZL1H100T  | 50V 1000P                     | 1   |         |
|        | C511     | ECJ1VB1H102K | C 1000UF, 50V                 | 1   |         |
|        | C512     | ECJ1VB1H103K | C 0.01UF, 50V                 | 1   |         |
|        | C513     | ECJ1VB1H102K | C 1000UF, 50V                 | 1   |         |
|        | C514     | ACRZL1H221T  | 50V 220P                      | 1   |         |
|        | C515     | ACRZL1H220T  | 50V 22P                       | 1   |         |
| △      | C516     | ACKX221KYP   | 250V 220p                     | 1   |         |
|        | C551     | ACRZG1A471T  | 10V 470P                      | 1   |         |
|        | C553     | ACMEB474K1T  | 16V 0.47P                     | 1   |         |
|        | C554     | ACRZL1E821LT | 16V 0.47P                     | 1   |         |
|        | C555     | ACMBB225K2T  | 25V 2.2P                      | 1   |         |
|        | C556     | ACMBB105K2T  | 25V 1P                        | 1   |         |
|        | C557     | ECJ2XB1H104K | C 0.1UF, K, 50V               | 1   |         |
|        | C558     | ECJ1VB1H103K | C 0.01UF, 50V                 | 1   |         |
|        | C560     | ACRZL1E221T  | 25V 220P                      | 1   |         |
|        | C561     | ACRZL1H100T  | 50V 1000P                     | 1   |         |
|        | C573     | ACDE1R102KP  | 1kV 1000P                     | 1   |         |
|        | C574     | ACMEB681K5T  | 50V 680P                      | 1   |         |
| △      | C601     | ACLEM474XKC  | PLASTIC FILM CAPACITOR (Xcap) | 1   |         |
| △      | C602     | ACKX221KYP   | 250V 220p                     | 1   |         |
| △      | C603     | ACKX221KYP   | 250V 220p                     | 1   |         |
| △      | C605     | ECWF2W225KA  | 450V 2.2P                     | 1   |         |
|        | C606     | ECJ1VB1H102K | C 1000UF, 50V                 | 1   |         |
|        | C608     | ECJ1VB1H222K | C 2200UF, 50V                 | 1   |         |
|        | C609     | ACTEB104K5T  | 50V 0.1P                      | 1   |         |
|        | C610     | ACMEB224K2T  | 25V 0.22P                     | 1   |         |
|        | C611     | ECJ1XC1H102J | C 1000PF, J, 50V              | 1   |         |
|        | C613     | ECJ1VB1H103K | C 0.01UF, 50V                 | 1   |         |
|        | C615     | ACMBB225K2T  | 25V 2.2P                      | 1   |         |
|        | C616     | ACTEB474K1T  | 16V 0.47P                     | 1   |         |
| △      | C617     | ACLEM474XKC  | PLASTIC FILM CAPACITOR (Xcap) | 1   |         |
|        | C620     | ACMBB474K2T  | 25V 0.47P                     | 1   |         |
| △      | C623     | ACKMQ2W391LZ | 450V 330P                     | 1   |         |
|        | C628     | ACMBR225K2T  | 25V 2.2P                      | 1   |         |
|        | C629     | ECQV1H334JL  | 50V 0.33P                     | 1   |         |
|        | C630     | ECJ1VC1H471J | C 470PF J 50V                 | 1   |         |
|        | C631     | ECJ1VB1H103K | C 0.01UF, 50V                 | 1   |         |
|        | C701     | ACRZL1A221T  | 50V 0.1P                      | 1   |         |
|        | C702     | ACMEB104K5T  | 50V 0.1P                      | 1   |         |
|        | C703     | ACMEB104K5T  | 50V 0.1P                      | 1   |         |
|        | C704     | ECJ2XB1H104K | C 0.1UF, K, 50V               | 1   |         |
|        | C705     | ECJ2XB1H104K | C 0.1UF, K, 50V               | 1   |         |
|        | C706     | ECJ2XC1H102J | C 1000PF, J, 50V              | 1   |         |
|        | C707     | ACMEB104K5T  | 50V 0.1P                      | 1   |         |
|        | C708     | ECJ2XB1H104K | C 0.1UF, K, 50V               | 1   |         |
|        | C709     | ACMEB104K5T  | 50V 0.1P                      | 1   |         |
|        | C710     | ACMEB224K1T  | 16V 0.22P                     | 1   |         |
|        | C711     | ACMEB223K5T  | 50V 0.022P                    | 1   |         |
|        | C712     | ECJ2XB1H104K | C 0.1UF, K, 50V               | 1   |         |
|        | C713     | ACMBB225K2T  | 25V 2.2P                      | 1   |         |
|        | C715     | ACMEB105K1T  | 16V 1P                        | 1   |         |
|        | CN701    | AKB6B-PH-KS  | 6P CONNECTOR                  | 1   |         |
|        | D201     | VDERA83-004T | DIODE                         | 1   |         |
|        | D202     | VDERA83-004T | DIODE                         | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | D203     | VDAG01AT     | DIODE                   | 1   |         |
|        | D204     | VDAG01AT     | DIODE                   | 1   |         |
|        | D205     | VDAG01AT     | DIODE                   | 1   |         |
|        | D206     | VD1SS133T    | DIODE                   | 1   |         |
|        | D252     | VD1SS133T    | DIODE                   | 1   |         |
|        | D253     | VDFCF10A40   | DIODE                   | 1   |         |
|        | D254     | VDFRF10A40   | DIODE                   | 1   |         |
|        | D351     | VDFMEN210A   | DIODE                   | 1   |         |
|        | D359     | VDRK46LF307  | DIODE                   | 1   |         |
|        | D401     | VDD4SBL20U   | DIODE                   | 1   |         |
|        | D402     | VDAG01AT     | DIODE                   | 1   |         |
|        | D403     | VDYG901C3R   | DIODE                   | 1   |         |
| △      | D501     | VDS1WBA80    | DIODE                   | 1   |         |
|        | D502     | VD1SS133T    | DIODE                   | 1   |         |
|        | D503     | VXST3D140LM2 | DIODE                   | 1   |         |
|        | D504     | VDAG01AT     | DIODE                   | 1   |         |
|        | D505     | VDAG01AT     | DIODE                   | 1   |         |
|        | D506     | VD1T7GA1     | DIODE                   | 1   |         |
|        | D507     | VD1T7GA1     | DIODE                   | 1   |         |
|        | D551     | VDCB863-12T  | DIODE                   | 1   |         |
|        | D552     | VDYG901C3R   | DIODE                   | 1   |         |
|        | D601     | VD1SS133T    | DIODE                   | 1   |         |
|        | D602     | VD1SS133T    | DIODE                   | 1   |         |
| △      | D603     | VDD15XB80    | DIODE                   | 1   |         |
|        | D605     | VD1SS133T    | DIODE                   | 1   |         |
| △      | D606     | VD1N5406G-07 | DIODE                   | 1   |         |
|        | D607     | VDYG982C6R   | DIODE                   | 1   |         |
|        | D608     | VDERA83-004T | DIODE                   | 1   |         |
| △      | D609     | VDD15XB80    | DIODE                   | 1   |         |
|        | D701     | VDERA83-004T | DIODE                   | 1   |         |
|        | D702     | VDRB721Q40   | DIODE                   | 1   |         |
|        | D703     | VDRB721Q40   | DIODE                   | 1   |         |
|        | D704     | VDRB721Q40   | DIODE                   | 1   |         |
|        | D705     | VD1SS133T    | DIODE                   | 1   |         |
|        |          |              |                         |     |         |
| △      | F201     | HU216005BEP  | FUSE                    | 1   |         |
| △      | F501     | HU215002BEP  | FUSE                    | 1   |         |
| △      | F601     | HU215010BEP  | FUSE                    | 1   |         |
| △      | F602     | HU215010BEP  | FUSE                    | 1   |         |
|        |          |              |                         |     |         |
|        | IC201    | VIMCZ5203D   | INTEGRATED CIRCUIT      | 1   |         |
|        | IC202    | VINJM2903ME1 | INTEGRATED CIRCUIT      | 1   |         |
|        | IC251    | VIJMI431AF   | IC                      | 1   |         |
|        | IC352    | VISC2628T    | INTEGRATED CIRCUIT      | 1   |         |
|        | IC403    | VISC2603ASKT | IC                      | 1   |         |
| △      | IC501    | MIP3E70MY    | IC                      | 1   |         |
|        | IC551    | VIJM2380AFE1 | IC                      | 1   |         |
|        | IC601    | VIFA5610NTE1 | IC                      | 1   |         |
|        | IC701    | VILC87F2G083 | IC                      | 1   |         |
|        |          |              |                         |     |         |
|        | JQ1      | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | JQ2      | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | JQ3      | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | JQ4      | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | JQ5      | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | JQ6      | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | JQ7      | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | JQ8      | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | JQ9      | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | JQ10     | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        |          |              |                         |     |         |
|        | JR1      | ERJ8GEY0R00  | M 0 OHM, 1/8W           | 1   |         |
|        | JR2      | ERJ8GEY0R00  | M 0 OHM, 1/8W           | 1   |         |
|        | JR3      | ERJ8GEY0R00  | M 0 OHM, 1/8W           | 1   |         |
|        | JR4      | ERJ8GEY0R00  | M 0 OHM, 1/8W           | 1   |         |
|        |          |              |                         |     |         |
| △      | K602     | ALKT329M02   | RELAY                   | 1   |         |
| △      | K605     | ALKT329M02   | RELAY                   | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | L201     | AYTSKA170T   | FERRITE BEAD INDUCTOR   | 1   |         |
|        | L351     | AYS1215003D  | CHOKO COIL              | 1   |         |
|        | L353     | EXCELSA35T   | BEAD CHOKO              | 1   |         |
|        | L401     | AYCA45VB681K | CHOKO COIL              | 1   |         |
|        | L402     | AYJ231214HY  | CHOKO COIL              | 1   |         |
|        | L501     | AYTSKA170T   | FERRITE BEAD INDUCTOR   | 1   |         |
| ⚠      | L601     | AYS259027HY  | CHOKO COIL              | 1   |         |
| ⚠      | L602     | AYS257027HY  | CHOKO COIL              | 1   |         |
| ⚠      | L603     | ETB42AZ14GAD | TRANSFORMER             | 1   |         |
|        |          |              |                         |     |         |
|        | P2       | AKB2P3S-VH   | 2P CONNECTOR            | 1   |         |
|        | P6       | AKB11B-PH-KS | 11P CONNECTOR           | 1   |         |
|        | P7       | AKB14B-PH-KS | 14P CONNECTOR           | 1   |         |
| ⚠      | P9       | AKS02B-VT    | CONNECTOR               | 1   |         |
|        | P11      | AKB3P4S-VH-L | 3P CONNECTOR            | 1   |         |
|        | P25      | AKB10B-PH-KS | 10P CONNECTOR           | 1   |         |
|        | P34      | AKB3B-PH-KS  | 3P CONNECTOR            | 1   |         |
|        | P35      | AKB4B-PH-KS  | 4P CONNECTOR            | 1   |         |
|        |          |              |                         |     |         |
| ⚠      | PC201    | VPS2581AL2HE | OPTOISOLATOR            | 1   |         |
| ⚠      | PC202    | VPS2581AL2HE | OPTOISOLATOR            | 1   |         |
| ⚠      | PC501    | VPS2581AL2HE | OPTOISOLATOR            | 1   |         |
| ⚠      | PC502    | VPS2581AL2HE | OPTOISOLATOR            | 1   |         |
| ⚠      | PC504    | VPS2581AL2HE | OPTOISOLATOR            | 1   |         |
|        |          |              |                         |     |         |
| ⚠      | Q201     | VKFMV19N57ES | FET                     | 1   |         |
| ⚠      | Q202     | VKFMV19N57ES | FET                     | 1   |         |
|        | Q203     | VQ2PB709ART  | TRANSISTOR              | 1   |         |
|        | Q204     | VQ2PD601ART  | TRANSISTOR              | 1   |         |
|        | Q251     | 2SK3018TL    | FET                     | 1   |         |
|        | Q252     | 2SK3018TL    | FET                     | 1   |         |
|        | Q355     | 2SJ651       | FET                     | 1   |         |
|        | Q401     | 2SK3607      | FET                     | 1   |         |
|        | Q402     | 2SA1776TV2P  | FET                     | 1   |         |
|        | Q403     | 2SA1776TV2P  | FET                     | 1   |         |
|        | Q404     | VQPBSS4350T  | TRANSISTOR              | 1   |         |
|        | Q405     | VQ2PD601ART  | TRANSISTOR              | 1   |         |
|        | Q406     | 2SK3018TL    | FET                     | 1   |         |
|        | Q407     | VQPBSS4350T  | TRANSISTOR              | 1   |         |
|        | Q408     | VQPBSS5350T  | TRANSISTOR              | 1   |         |
|        | Q502     | 2SK3018TL    | FET                     | 1   |         |
|        | Q503     | VQPBSS4350T  | TRANSISTOR              | 1   |         |
|        | Q504     | VQ2PB709ART  | TRANSISTOR              | 1   |         |
|        | Q505     | 2SK3018TL    | FET                     | 1   |         |
|        | Q506     | VQ2PB709ART  | TRANSISTOR              | 1   |         |
|        | Q551     | 2SJ673       | FET                     | 1   |         |
|        | Q557     | VKRJ0319DSP  | FET                     | 1   |         |
|        | Q558     | 2SK3018TL    | FET                     | 1   |         |
|        | Q559     | VQ2PB709ART  | TRANSISTOR              | 1   |         |
| ⚠      | Q601     | VKR6015ANZ   | FET                     | 1   |         |
|        | Q602     | VQPBSS4350T  | TRANSISTOR              | 1   |         |
|        | Q603     | VQPBSS5350T  | TRANSISTOR              | 1   |         |
| ⚠      | Q604     | VKR6015ANZ   | FET                     | 1   |         |
|        | Q605     | 2SK3018TL    | FET                     | 1   |         |
| ⚠      | Q606     | VKR6015ANZ   | FET                     | 1   |         |
|        | Q607     | VQ2PB709ART  | TRANSISTOR              | 1   |         |
|        | Q701     | VQ2PB710ARLT | TRANSISTOR              | 1   |         |
|        | Q702     | VQ2PB710ARLT | TRANSISTOR              | 1   |         |
|        | Q703     | VQ2PD601ART  | TRANSISTOR              | 1   |         |
|        | Q704     | VQ2PD601ART  | TRANSISTOR              | 1   |         |
|        | Q705     | VQ2PD601ART  | TRANSISTOR              | 1   |         |
|        | Q706     | VQ2PB709ART  | TRANSISTOR              | 1   |         |
|        | Q707     | VQ2PD601ART  | TRANSISTOR              | 1   |         |
|        | Q708     | VQ2PD601ART  | TRANSISTOR              | 1   |         |
|        |          |              |                         |     |         |
|        | R201     | ERJ6GEYJ103V | M 10KOHM J 1/8W         | 1   |         |
|        | R202     | ERJ6GEYJ153V | M 15KOHM, J, 1/8W       | 1   |         |
|        | R203     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R204     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R205     | ERJ6ENF3903  | M 390KOHM, J1/8W        | 1   |         |
|        | R206     | ERJ6ENF3903  | M 390KOHM, J1/8W        | 1   |         |
|        | R207     | ERJ6ENF3903  | M 390KOHM, J1/8W        | 1   |         |
|        | R208     | ERJ6ENF3903  | M 390KOHM, J1/8W        | 1   |         |
|        | R209     | D0GB183JA057 | M 18K OHM J 1/10W       | 1   |         |
|        | R210     | ERJ6RBD152   | M 1.5KOHM, D.1/10W      | 1   |         |
|        | R211     | ERJ3EKF1872  | M18.7KOHM, 1/10W        | 1   |         |
|        | R213     | ERX1SJ1R0    | M 1.0 OHM, J, 1W        | 1   |         |
|        | R214     | ERX12SJ5R6J  | M 5.6 OHM, J, 1/2W      | 1   |         |
|        | R215     | ERG12SJ680J  | M 68 OHM, J, 1/2W       | 1   |         |
|        | R216     | ERG12SJ680J  | M 68 OHM, J, 1/2W       | 1   |         |
|        | R217     | ERJ6ENF1800  | M 180 OHM, F.1/8W       | 1   |         |
|        | R218     | ERJ6ENF1500  | M 150 OHM, F.1/8W       | 1   |         |
|        | R219     | ARRF5EJ50MB  | 0.05 OHM, 5W            | 1   |         |
|        | R221     | ERJ6ENF3903  | M 390KOHM, J1/8W        | 1   |         |
|        | R222     | ERJ6ENF3903  | M 390KOHM, J1/8W        | 1   |         |
|        | R223     | ERJ6ENF3903  | M 390KOHM, J1/8W        | 1   |         |
|        | R224     | ERJ6ENF3903  | M 390KOHM, J1/8W        | 1   |         |
|        | R231     | ERQ14AJ4R7J  | F 4.7 OHM, J, 1/4W      | 1   |         |
|        | R232     | ERJ3EKF1001  | M 1KOHM, 1/10W          | 1   |         |
|        | R233     | ERJ3EKF1001  | M 1KOHM, 1/10W          | 1   |         |
|        | R234     | ERJ3EKF1502  | M 15KOHM, 1/10W         | 1   |         |
|        | R235     | ERJ3EKF1301  | M 1.3KOHM, 1/10W        | 1   |         |
|        | R236     | ERDS2FJ472   | C 4.7KOHM, J, 1/4W      | 1   |         |
|        | R237     | D0GB473JA057 | M 47KOHM, J, 1/10W      | 1   |         |
|        | R238     | ERJ6RBD152   | M 1.5KOHM, D.1/10W      | 1   |         |
|        | R239     | ERDS2FJ103   | C 10KOHM, J, 1/4W       | 1   |         |
|        | R253     | ERJ6GEY0R00V | M 0 OHM 1/8W            | 1   |         |
|        | R254     | ERJ6GEYJ102V | M 1K OHM J 1/8W         | 1   |         |
|        | R256     | ERJ6ENF3901  | M 3.9KOHM, F.1/8W       | 1   |         |
|        | R257     | ERJ6GEYJ472V | M 4.7KOHM, J.1/8W       | 1   |         |
|        | R258     | ERJ6GEYJ472V | M 4.7KOHM, J.1/8W       | 1   |         |
|        | R259     | ERJ6GEYJ472V | M 4.7KOHM, J.1/8W       | 1   |         |
|        | R260     | ERJ6GEYJ202  | M 2KOHM, J, 1/8W        | 1   |         |
|        | R264     | ERJ6GEYJ102V | M 1K OHM J 1/8W         | 1   |         |
|        | R265     | ERJ6ENF1742  | M17.4KOHM, F.1/8W       | 1   |         |
|        | R266     | ERJ6ENF7502  | M 75KOHM, F.1/8W        | 1   |         |
|        | R267     | ERJ6ENF7322  | M73.2KOHM, F.1/8W       | 1   |         |
|        | R268     | ERJ6ENF7322  | M73.2KOHM, F.1/8W       | 1   |         |
|        | R269     | ERJ6ENF7322  | M73.2KOHM, F.1/8W       | 1   |         |
|        | R270     | ERJ6ENF4992  | M49.9KOHM, F.1/8W       | 1   |         |
|        | R271     | ERJ6ENF4992  | M49.9KOHM, F.1/8W       | 1   |         |
|        | R272     | ERJ6ENF4992  | M49.9KOHM, F.1/8W       | 1   |         |
|        | R273     | ERJ6ENF4992  | M49.9KOHM, F.1/8W       | 1   |         |
|        | R274     | ERJ6ENF4872  | M48.7KOHM, F.1/8W       | 1   |         |
|        | R275     | ERJ6ENF9312  | M93.1KOHM, F. 1/8W      | 1   |         |
|        | R276     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R277     | ERJ6ENF1473  | M 147KOHM, F.1/8W       | 1   |         |
|        | R278     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R279     | D0GB102JA057 | M 1KOHM, J, 1/10W       | 1   |         |
|        | R280     | D0GB102JA057 | M 1KOHM, J, 1/10W       | 1   |         |
|        | R351     | ERJ6ENF1332  | M13.3KOHM, F. 1/8W      | 1   |         |
|        | R352     | ERJ6ENF1302  | M 13KOHM, F. 1/8W       | 1   |         |
|        | R353     | ERJ6ENF8661  | M8.66KOHM, F.1/8W       | 1   |         |
|        | R354     | ERJ6ENF8661  | M8.66KOHM, F.1/8W       | 1   |         |
|        | R371     | ERJ6RND1782  | CHIP RESISTOR           | 1   |         |
|        | R372     | ERJ6RND1001  | CHIP RESISTOR           | 1   |         |
|        | R389     | ERJ3GEYJ104  | M100KOHM, J, 1/10W      | 1   |         |
|        | R390     | ERJ3GEY0R00  | M 0 OHM, 1/10W          | 1   |         |
|        | R391     | ERJ6GEYJ183V | M 18KOHM, J, 1/8W       | 1   |         |
|        | R392     | ERJ6ENF3921  | M3.92KOHM, F.1/8W       | 1   |         |
|        | R393     | ERJ6GEYJ472V | M 4.7KOHM, J.1/8W       | 1   |         |
|        | R394     | ERJ6ENF1002  | M 10KOHM, F. 1/8W       | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R402     | ERJ3EKF1002  | M 10KOHM, 1/10W         | 1   |         |
|        | R403     | ERG12SJ100J  | M 10 OHM, J, 1/2W       | 1   |         |
|        | R404     | ERJ6ENF2492  | M24.9KOHM, F. 1/8W      | 1   |         |
|        | R405     | ARRF2EJR10B  | 250V 2200P              | 1   |         |
|        | R408     | ERJ3GEYJ682  | M 6.8KOHM, J, 1/10W     | 1   |         |
|        | R409     | ERJ6GEYF473  | M 47KOHM, J, 1/8W       | 1   |         |
|        | R411     | ERJ6ENF2001V | M 2KOHM, F. 1/8W        | 1   |         |
|        | R412     | ERJ6ENF2001V | M 2KOHM, F. 1/8W        | 1   |         |
|        | R413     | ERJ6ENF2552  | M25.5KOHM, F. 1/8W      | 1   |         |
|        | R414     | ERJ6ENF2492  | M24.9KOHM, F. 1/8W      | 1   |         |
|        | R416     | ERJ3GEYJ333  | M 33KOHM, J, 1/10W      | 1   |         |
|        | R417     | ERJ6ENF3482  | M34.8KOHM, F. 1/8W      | 1   |         |
|        | R418     | ERJ6ENF3482  | M34.8KOHM, F. 1/8W      | 1   |         |
|        | R419     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R420     | ERJ6ENF1301  | M 1.3KOHM, F. 1/8W      | 1   |         |
|        | R421     | ERJ6ENF1332  | M13.3KOHM, F. 1/8W      | 1   |         |
|        | R422     | ERJ6ENF2492  | M24.9KOHM, F. 1/8W      | 1   |         |
|        | R423     | ARSG734K220U | 22 OHM, 0.33W           | 1   |         |
|        | R425     | ERJ3GEYD153V | M 15KOHM, D, 1/10W      | 1   |         |
|        | R426     | ERJ3GEYD153V | M 15KOHM, D, 1/10W      | 1   |         |
|        | R428     | ERJ3GEYJ223  | M 22KOHM, J, 1/10W      | 1   |         |
|        | R429     | ERJ3GEYJ470  | M 47 OHM, J, 1/10W      | 1   |         |
|        | R433     | ERJ3EKF82R5  | M 82.5 OHM 1/10W        | 1   |         |
|        | R434     | ERJ3RED270   | M 27 OHM, 1/16W         | 1   |         |
|        | R435     | ERJ3EKF1820  | M 182 OHM, 1/10W        | 1   |         |
|        | R436     | ERJ3RED270   | M 27 OHM, 1/16W         | 1   |         |
|        | R437     | ERJ3EKF1241  | M1.24KOHM, 1/10W        | 1   |         |
|        | R438     | ERJ3EKF5621  | M5.62KOHM, 1/10W        | 1   |         |
|        | R439     | D0GB154JA057 | M 150KOHM J 1/10W       | 1   |         |
|        | R440     | ERJ14YJ220U  | M 22 OHM, J, 1/4W       | 1   |         |
|        | R441     | ARSG734K150U | 15 OHM, 0.33W           | 1   |         |
|        | R501     | ERJ6ENF4123  | M 412KOHM, F. 1/8W      | 1   |         |
|        | R502     | ERJ6ENF4123  | M 412KOHM, F. 1/8W      | 1   |         |
|        | R503     | ERJ6ENF4123  | M 412KOHM, F. 1/8W      | 1   |         |
|        | R504     | ERJ6ENF4123  | M 412KOHM, F. 1/8W      | 1   |         |
|        | R505     | ERJ6ENF4123  | M 412KOHM, F. 1/8W      | 1   |         |
|        | R506     | ERJ6ENF4123  | M 412KOHM, F. 1/8W      | 1   |         |
| △      | R507     | ARRCR6J825M  | 8.2MOHM, 1W             | 1   |         |
|        | R508     | ERJ3EKF1303  | M 130KOHM, 1/10W        | 1   |         |
|        | R512     | ERJ3GEYJ224  | M 220KOHM, J, 1/10W     | 1   |         |
|        | R513     | ERJ3GEYJ223  | M 22KOHM, J, 1/10W      | 1   |         |
|        | R514     | ERJ3EKF1303  | M 130KOHM, 1/10W        | 1   |         |
|        | R515     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R516     | ERJ6GEYF473  | M 47KOHM, J, 1/8W       | 1   |         |
|        | R518     | ERG12SJ220J  | M 22 OHM, J, 1/2W       | 1   |         |
|        | R519     | ERJ3GEYJ224  | M 220KOHM, J, 1/10W     | 1   |         |
|        | R520     | ERDS2FJ121   | C 120 OHM, J, 1/4W      | 1   |         |
|        | R521     | ERJ3GEYJ223  | M 22KOHM, J, 1/10W      | 1   |         |
|        | R522     | ERJ6GEYJ180  | M 18 OHM, J, 1/8W       | 1   |         |
|        | R524     | ERJ3GEYJ223  | M 22KOHM, J, 1/10W      | 1   |         |
|        | R525     | ERJ6GEYJ103V | M 10KOHM J 1/8W         | 1   |         |
|        | R526     | ERJ3GEYJ472  | M 4.7KOHM, J, 1/10W     | 1   |         |
|        | R529     | ARR5B100JC2  | 5W 10 OHM               | 1   |         |
|        | R530     | ERJ3GEYJ471  | M 470 OHM, J, 1/10W     | 1   |         |
|        | R531     | ERJ6GEYJ103V | M 10KOHM J 1/8W         | 1   |         |
|        | R532     | ERJ6ENF4123  | M 412KOHM, F. 1/8W      | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R533     | ERJ6ENF4123  | M 412KOHM, F. 1/8W      | 1   |         |
|        | R534     | ERJ6ENF4123  | M 412KOHM, F. 1/8W      | 1   |         |
|        | R535     | ERJ6ENF4123  | M 412KOHM, F. 1/8W      | 1   |         |
|        | R536     | ERJ6ENF4123  | M 412KOHM, F. 1/8W      | 1   |         |
|        | R537     | ERJ6ENF4123  | M 412KOHM, F. 1/8W      | 1   |         |
|        | R551     | ERJ6GEYJ151V | M 150 OHM, J, 1/8W      | 1   |         |
|        | R552     | ERJ3GEYJ472  | M 4.7KOHM, J, 1/10W     | 1   |         |
|        | R553     | D0GB102JA057 | M 1KOHM, J, 1/10W       | 1   |         |
|        | R555     | ERJ3EKF1072  | M10.7KOHM, 1/10W        | 1   |         |
|        | R556     | ERJ3EKF1002  | M 10KOHM, 1/10W         | 1   |         |
|        | R557     | ERJ3EKF7872  | M78.7KOHM, 1/10W        | 1   |         |
|        | R558     | ERJ6GEYJ124V | M 120KOHM, J, 1/8W      | 1   |         |
|        | R570     | D0GB473JA057 | M 47KOHM, J, 1/10W      | 1   |         |
|        | R573     | ERJ6GEYJ332V | M 3.3KOHM J 1/8W        | 1   |         |
|        | R574     | ERG2SJ561H   | M 560 OHM, J, 2W        | 1   |         |
|        | R575     | ERG2SJ561H   | M 560 OHM, J, 2W        | 1   |         |
|        | R576     | ERJ3GEYJ223  | M 22KOHM, J, 1/10W      | 1   |         |
|        | R577     | ERJ6GEYJ333V | M 33KOHM, J, 1/8W       | 1   |         |
|        | R578     | ERJ6GEYF561  | M 560 OHM, J, 1/8W      | 1   |         |
|        | R579     | ERJ3GEYJ104  | M100KOHM, J, 1/10W      | 1   |         |
|        | R580     | ERJ3GEYJ104  | M100KOHM, J, 1/10W      | 1   |         |
| △      | R601     | ARRCR5J624M  | 620M 0.5W               | 1   |         |
|        | R603     | ERJ6ENF2703  | M 270KOHM, F. 1/8W      | 1   |         |
|        | R604     | ERJ6ENF2703  | M 270KOHM, F. 1/8W      | 1   |         |
|        | R605     | ERJ6ENF2703  | M 270KOHM, F. 1/8W      | 1   |         |
|        | R606     | ERJ6ENF2703  | M 270KOHM, F. 1/8W      | 1   |         |
|        | R607     | ERJ3EKF3302  | M 33KOHM, 1/10W         | 1   |         |
|        | R608     | ERJ3EKF1002  | M 10KOHM, 1/10W         | 1   |         |
|        | R609     | D0GB225JA057 | M 2.2MOHM J 1/10W       | 1   |         |
|        | R610     | ERJ3GEYJ470  | M 47 OHM, J, 1/10W      | 1   |         |
|        | R611     | ERJ3GEYJ470  | M 47 OHM, J, 1/10W      | 1   |         |
|        | R612     | ERJ6ENF3093  | M 309KOHM, F. 1/8W      | 1   |         |
|        | R613     | ERJ3GEYJ223  | M 22KOHM, J, 1/10W      | 1   |         |
|        | R614     | ERJ6ENF3093  | M 309KOHM, F. 1/8W      | 1   |         |
|        | R615     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R616     | ERJ6ENF3093  | M 309KOHM, F. 1/8W      | 1   |         |
|        | R617     | ARRF5EJ75MB  | 0.075 OHM, 5W           | 1   |         |
|        | R618     | ARRF5EJ75MB  | 0.075 OHM, 5W           | 1   |         |
|        | R619     | ERJ6ENF3163  | M 316KOHM, F. 1/8W      | 1   |         |
|        | R620     | ERJ6ENF3163  | M 316KOHM, F. 1/8W      | 1   |         |
|        | R621     | ERJ3EKF1652  | M16.5KOHM, 1/10W        | 1   |         |
|        | R622     | ERJ6ENF9312  | M93.1KOHM, F. 1/8W      | 1   |         |
|        | R623     | ERJ6ENF9312  | M93.1KOHM, F. 1/8W      | 1   |         |
|        | R624     | ERDS2FJ472   | C 4.7KOHM, J, 1/4W      | 1   |         |
|        | R625     | ERDS2FJ101   | C 100 OHM, J, 1/4W      | 1   |         |
|        | R626     | ERJ6ENF9312  | M93.1KOHM, F. 1/8W      | 1   |         |
|        | R627     | ERDS2FJ154   | C 150KOHM, J, 1/4W      | 1   |         |
|        | R628     | ERJ6ENF9312  | M93.1KOHM, F. 1/8W      | 1   |         |
|        | R629     | ERG12SJ150J  | M 15 OHM, J, 1/2W       | 1   |         |
|        | R630     | ERJ6ENF9312  | M93.1KOHM, F. 1/8W      | 1   |         |
|        | R631     | ERJ6ENF9312  | M93.1KOHM, F. 1/8W      | 1   |         |
|        | R634     | ERJ6ENF3093  | M 309KOHM, F. 1/8W      | 1   |         |
|        | R635     | ERJ6ENF3093  | M 309KOHM, F. 1/8W      | 1   |         |
|        | R636     | ERJ6ENF3093  | M 309KOHM, F. 1/8W      | 1   |         |
|        | R637     | ERJ6ENF9312  | M93.1KOHM, F. 1/8W      | 1   |         |
|        | R638     | ERJ6ENF9312  | M93.1KOHM, F. 1/8W      | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|--------|----------|--------------|-------------------------|-----|---------|
|        | R640     | ERJ6ENF1692  | M16.9KOHM,F,1/8W        | 1   |         |
|        | R641     | ERJ6GEYJ151V | M 150 OHM,J,1/8W        | 1   |         |
|        | R642     | D0GB473JA057 | M 47KOHM,J,1/10W        | 1   |         |
|        | R649     | ERJ6ENF2703  | M 270KOHM,F,1/8W        | 1   |         |
|        | R650     | ERJ6ENF2703  | M 270KOHM,F,1/8W        | 1   |         |
|        | R651     | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R652     | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R653     | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R654     | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R655     | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R656     | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R657     | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R658     | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R659     | ERDS2FJ472   | C 4.7KOHM, J,1/4W       | 1   |         |
|        | R660     | ERDS2FJ472   | C 4.7KOHM, J,1/4W       | 1   |         |
|        | R661     | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R662     | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R663     | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R664     | ERJ6GEYJ220  | M 22 OHM,J,1/8W         | 1   |         |
|        | R665     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R666     | ERJ3GEYJ223  | M 22KOHM,J,1/10W        | 1   |         |
|        | R667     | D0GB181JA057 | M 180 OHM,J,1/10W       | 1   |         |
|        | R701     | ERJ6GEYJ1R0  | M 1 OHM,J,1/8W          | 1   |         |
|        | R702     | ERJ3GEYJ221  | M 220 OHM,J,1/10W       | 1   |         |
|        | R705     | ERJ6GEYJ1R0  | M 1 OHM,J,1/8W          | 1   |         |
|        | R706     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R707     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R708     | ERJ3GEYJ101  | M 100 OHM,J,1/10W       | 1   |         |
|        | R709     | ERDS2FJ102   | M 1KOHM,J,1/10W         | 1   |         |
|        | R710     | ERJ6GEYJ104V | M 100KOHM,J,1/8W        | 1   |         |
|        | R711     | ERJ3GEYJ514  | M 510KOHM,J,1/10W       | 1   |         |
|        | R712     | ERJ3GEYJ101  | M 100 OHM,J,1/10W       | 1   |         |
|        | R713     | ERJ3GEYJ104  | M100KOHM,J,1/10W        | 1   |         |
|        | R714     | ERJ6ENF4991  | M4.99KOHM,F,1/8W        | 1   |         |
|        | R715     | ERJ6ENF4991  | M4.99KOHM,F,1/8W        | 1   |         |
|        | R716     | ERJ6ENF4991  | M4.99KOHM,F,1/8W        | 1   |         |
|        | R717     | ERJ6ENF4991  | M4.99KOHM,F,1/8W        | 1   |         |
|        | R718     | ERJ3GEYJ101  | M 100 OHM,J,1/10W       | 1   |         |
|        | R719     | ERDS2FJ821   | C 820 OHM, J,1/4W       | 1   |         |
|        | R720     | ERJ3GEYJ561  | M 560 OHM,J,1/10W       | 1   |         |
|        | R721     | ERJ3GEYJ101  | M 100 OHM,J,1/10W       | 1   |         |
|        | R722     | ERJ3GEYJ101  | M 100 OHM,J,1/10W       | 1   |         |
|        | R723     | ERJ6GEYJ103V | M 10KOHM J 1/8W         | 1   |         |
|        | R724     | ERJ3GEYJ101  | M 100 OHM,J,1/10W       | 1   |         |
|        | R725     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R729     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R730     | ERJ6GEYJ224  | M 220KOHM,J,1/8W        | 1   |         |
|        | R731     | ERJ6GEYJ101V | M 100 OHM,J,1/8W        | 1   |         |
|        | R732     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |
|        | R733     | ERJ3EKF4701  | M 4.7KOHM, 1/10W        | 1   |         |
|        | R734     | ERJ3EKF5601  | M 5.6KOHM, 1/10W        | 1   |         |
|        | R735     | ERJ6GEYJ102V | M 1K OHM J 1/8W         | 1   |         |
|        | R736     | ERJ3GEYJ122  | M 1.2KOHM,J,1/10W       | 1   |         |
|        | R737     | ERJ6GEYJ221V | M 220 OHM,J,1/8W        | 1   |         |
|        | R738     | D0GB103JA057 | M 10K OHM J 1/10W       | 1   |         |

| Safety | Ref. No. | Part No.     | Part Name & Description      | Pcs | Remarks |
|--------|----------|--------------|------------------------------|-----|---------|
|        | R739     | ERJ3GEYJ101  | M 100 OHM,J,1/10W            | 1   |         |
|        | R740     | D0GB103JA057 | M 10K OHM J 1/10W            | 1   |         |
|        | R741     | D0GB103JA057 | M 10K OHM J 1/10W            | 1   |         |
|        | R742     | ERDS2FJ103   | C 10KOHM, J,1/4W             | 1   |         |
|        | R743     | ERJ3GEYJ221  | M 220 OHM,J,1/10W            | 1   |         |
|        | R744     | D0GB103JA057 | M 10K OHM J 1/10W            | 1   |         |
|        | R745     | D0GB103JA057 | M 10K OHM J 1/10W            | 1   |         |
|        | R746     | D0GB103JA057 | M 10K OHM J 1/10W            | 1   |         |
|        | R747     | D0GB103JA057 | M 10K OHM J 1/10W            | 1   |         |
|        | R748     | D0GB103JA057 | M 10K OHM J 1/10W            | 1   |         |
|        | R749     | D0GB103JA057 | M 10K OHM J 1/10W            | 1   |         |
|        | R750     | D0GB103JA057 | M 10K OHM J 1/10W            | 1   |         |
|        | R751     | ERJ6GEYJ102V | M 1K OHM J 1/8W              | 1   |         |
|        | R752     | D0GB103JA057 | M 10K OHM J 1/10W            | 1   |         |
|        | R755     | ERJ6GEYJ472V | M 4.7KOHM.J,1/8W             | 1   |         |
|        | R756     | ERJ6GEYJ101V | M 100 OHM,J,1/8W             | 1   |         |
|        | R757     | ARRF5EJR15B  | 0.15 OHM 5W                  | 1   |         |
|        | R758     | ER0S2CHF1002 | M 10KOHM, F,1/4W             | 1   |         |
|        | R759     | ER0S2CHF1002 | M 10KOHM, F,1/4W             | 1   |         |
| ⚠      | RF601    | HUA5MC100JP2 | THERMAL CUTOFF WITH RESISTOR | 1   |         |
| ⚠      | T201     | ETB42LZ14GAD | TRANSFORMER                  | 1   |         |
| ⚠      | T501     | ETB29AK1RGAD | TRANSFORMER                  | 1   |         |
| ⚠      | TG1      | TW-4BS-2L    | LUG TERMINAL                 | 1   |         |
| ⚠      | TG2      | TW-4BS-2L    | LUG TERMINAL                 | 1   |         |
| ⚠      | TG3      | TW-4BS-2L    | LUG TERMINAL                 | 1   |         |
| ⚠      | TG4      | TW-4BS-2L    | LUG TERMINAL                 | 1   |         |
| ⚠      | TG5      | TW-4BS-2L    | LUG TERMINAL                 | 1   |         |
|        | VR251    | EVMEASA01B25 | CONTROL 200KOHMB             | 1   |         |
|        | VR401    | EVMAASA00B54 | CONTROL 50KOHMB              | 1   |         |
| ⚠      | Z601     | ERZVGED751   | VARISTOR                     | 1   |         |
| ⚠      | Z602     | ERZVGAD471   | VARISTOR                     | 1   |         |
|        | ZD203    | VZMTZJ27DT   | ZENER DIODE                  | 1   |         |
|        | ZD204    | VZMTZJ27DT   | ZENER DIODE                  | 1   |         |
|        | ZD205    | VZMTZJ27DT   | ZENER DIODE                  | 1   |         |
|        | ZD206    | VZMTZJ5.1BT  | ZENER DIODE                  | 1   |         |
|        | ZD251    | VZMTZJ5.6BT  | ZENER DIODE                  | 1   |         |
|        | ZD401    | VZMTZJ15CT   | ZENER DIODE                  | 1   |         |
|        | ZD402    | VZMTZJ10CT   | ZENER DIODE                  | 1   |         |
|        | ZD501    | VZMTZJ30DT   | ZENER DIODE                  | 1   |         |
|        | ZD502    | VZMTZJ30DT   | ZENER DIODE                  | 1   |         |
|        | ZD503    | VZMTZJ30DT   | ZENER DIODE                  | 1   |         |
|        | ZD504    | VZMTZJ15CT   | ZENER DIODE                  | 1   |         |
|        | ZD505    | VZMTZJ30DT   | ZENER DIODE                  | 1   |         |
|        | ZD506    | VZMTZJ18CT   | ZENER DIODE                  | 1   |         |
|        | ZD507    | VZMTZJ8.2CT  | ZENER DIODE                  | 1   |         |
|        | ZD508    | VZMTZJ15CT   | ZENER DIODE                  | 1   |         |
|        | ZD509    | VZMTZJ27DT   | ZENER DIODE                  | 1   |         |
|        | ZD554    | VZPTZ6.2BT   | ZENER DIODE                  | 1   |         |
|        | ZD601    | VZMTZJ5.1BT  | ZENER DIODE                  | 1   |         |
|        | ZD602    | VZMTZJ4.7BT  | ZENER DIODE                  | 1   |         |
|        | ZD603    | VZMTZJ10CT   | ZENER DIODE                  | 1   |         |