

# Service Manual



Wide LCD TV

TC-32LX80LA

TC-32LX80LU

Chassis LH80

**HDMI**<sup>TM</sup>  
HIGH-DEFINITION MULTIMEDIA INTERFACE
**VIERA**  
 Link

| Specifications                |   |   |
|-------------------------------|---|---|
| <b>Power Source</b>           | AC 220 V, 50 / 60 Hz  |   |
| <b>Power Consumption</b>      | Average use   | 138 W   |
|                               | Standby condition   | 1 W   |
| <b>Display Panel</b>          | Aspecto Ratio   | 16 : 9  |
|                               | Visible screen size   | 80,0 cm (diagonal) / 698 mm (L) x 392 mm (A)  |
|                               | Number of pixels  | 1.049.088 (1366 (L) x 768 (A))  |
| <b>Sound</b>                  | Speaker   | Full range x 2 pcs, 8 $\Omega$  |
|                               | Audio Output  | 20 W (10 W + 10W) (10%THD)  |
|                               | Headphones  | M3 (3.5 mm) stereo mini Jack x 1  |
| <b>PC signal</b>              | VGA, SVGA, XGA, WVGA, WXGA Vertical scanning frequency 60Hz   |   |
| <b>Receiving System</b>       | 1- PAL-M, 2- PAL-N, 3- NTS-C, 4- PAL M / 50Hz<br>Reception of broadcast transmissions and Playback from VCR or DVD  |   |
| <b>Receiving Channels</b>     | <b>(Regular TV)</b> BANDA VHF 2-13 (PAL-M/N), BANDA UHF 14-69 (PAL-M/N), CATV 1-125 (Cable)                         |   |
| <b>Aerial - Rear</b>          | VHF / UHF   |   |
| <b>Operating Conditions</b>   | Temperature: 0 $^{\circ}$ C - 40 $^{\circ}$ C, Humidity: 20 % - 80 % RH (non-condensing)                            |   |
| <b>Connection Terminals</b>   |   |   |
| <b>AV1 Input</b>              | AUDIO L - R   | RCA PINO Tipo x 2 0,5 V [rms]   |
|                               | VIDEO   | RCA PINO Tipo x 1 1,0 V [p-p] (75 $\Omega$ )  |
| <b>AV2 Input</b>              | AUDIO L - R   | RCA PINO Tipo x 2 0,5 V [rms]   |
|                               | VIDEO   | RCA PINO Tipo x 1 1,0 V [p-p] (75 $\Omega$ )  |
|                               | COMPONENT   | Y 1,0 V [p-p] (including synchronization), $P_B / C_B$ e $P_R / C_R \pm 0.35$ V [p-p] |
| <b>AV2 Input</b>              | AUDIO L - R   | RCA PINO Tipo x 2 0,5 V [rms]   |
|                               | VIDEO   | RCA PINO Tipo x 1 1,0 V [p-p] (75 $\Omega$ )  |
|                               | S VIDEO   | Mini DIN 4-pinos Y:1,0 V [p-p] (75 $\Omega$ ) C:0.286 V [p-p] (75 $\Omega$ )          |
| <b>Others</b>                 |   |   |
| <b>HDMI 1 / 2 Input</b>       | TYPE A Connectors   |   |
| <b>HDMI audio Inpt</b>        | RCA PINO Tipo x 2 0,5 V [rms]   |   |
| <b>PC Input</b>               | HIGH-DENSITY D-SUB 15PIN<br>R,G,B / 0,7 V [p-p] (75 $\Omega$ ), HD, VD/TTL Level 2.0 - 5.0 V [p-p] (high impedance) |   |
| <b>Monitor Output</b>         | AUDIO L - R   | RCA PIN Type x 2 0.5 V [rms] (high impedance)   |
|                               | VIDEO   | RCA PINO Type x 1 1,0 V [p-p] (75 $\Omega$ )  |
| <b>Dimensions (W x H x D)</b> | 820 mm x 578 mm x 225 mm (With Pedestal)<br>820 mm x 539 mm x 107,5 mm (TV only)                                    |   |
| <b>Mass</b>                   | 17,0 kg Net   |   |

 **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.

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# 1 Safety Precautions

## 1.1. General Guidelines

1. 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.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. 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 the 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. The potential at any point (touch current) expressed as voltage  $U_1$  and  $U_2$ , do not exceed the following values:  
For AC:  $U_1 = 35 \text{ V}$  (peak) and  $U_2 = 0.35 \text{ V}$  (peak);  
For DC:  $U_1 = 1.0 \text{ V}$ ,

**NOTE :**

The limit value of  $U_2 = 0.35 \text{ V}$  (peak) for AC and  $U_1 = 1.0 \text{ V}$  for DC correspond to the values  $0.7 \text{ mA}$  (peak) AC and  $2.0 \text{ mA}$  DC. The limit value  $U_1 = 35 \text{ V}$  (peak) for AC correspond to the value  $70 \text{ mA}$  (peak) AC for frequencies greater than  $100 \text{ kHz}$ .

6. Should a measurement be 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.

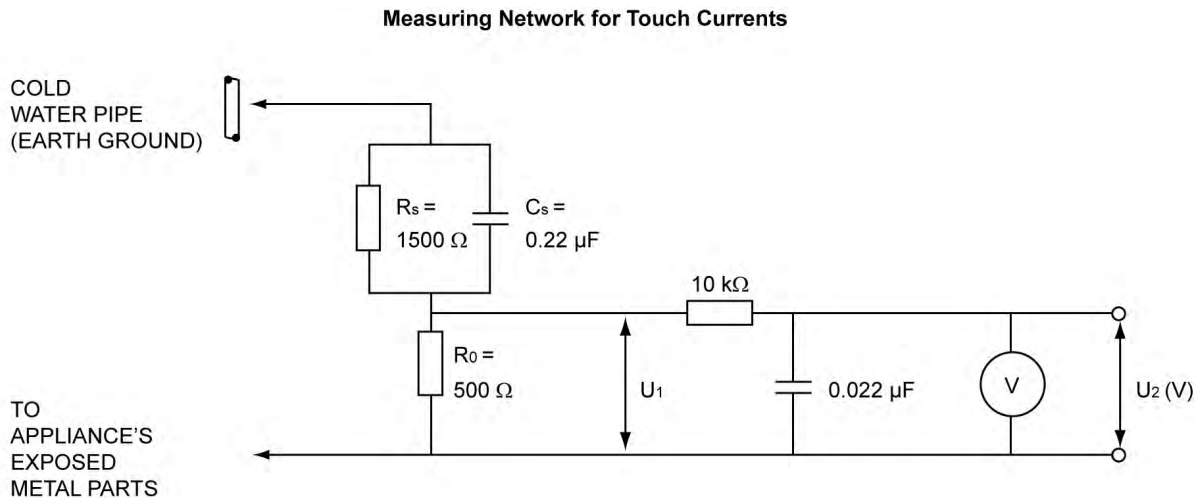


Figure 1

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 DC respectively

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

## 2 Prevention of Electro Static 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 electro static 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 aluminium 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 charges 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, aluminium 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 harmless 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).

### IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  $\Delta$  in the Schematic 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 from the manufacturer.

### 3 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 (PbF) used in our manufacturing process and discussed below is (Sn+Ag+Cu).

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

This model uses PbF in its manufacture due to environmental conservation issues. For service and repair work, we would suggest the use of PbF as well, although Pb may be used.

PCBs manufactured using lead-free will have the “PbF within a leaf Symbol” stamped on their back.

**Caution**

- PbF has a higher melting point than that of standard solder. Typically the melting point is 50 ~ 70°F (30~40°C) higher. Please use a high temperature soldering iron and set it to 700 20°F (370 10°C).
- PbF 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 PbF on the pins or solder area before applying Pb. If this is not practical, be sure to heat the PbF until it melts, before applying Pb.
- After applying PbF to double layered boards, please check the component side for excess solder which may flow onto the opposite side (see Figure 2).

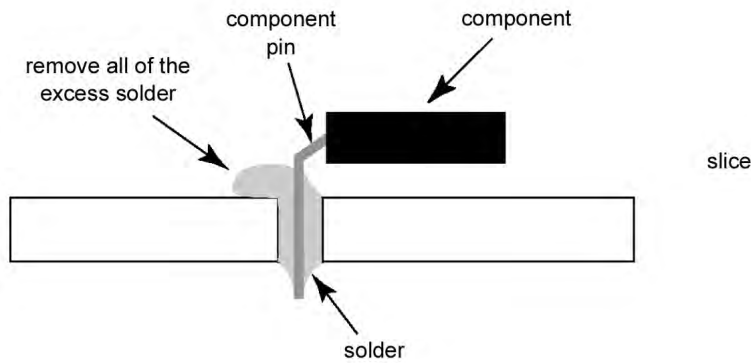


Figure 2

**Suggested PbF**

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

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

Figure 3

## 4 Self Check Function

### 4.1. Self Check

1. Self Check is used to automatically check the bus lines and hexadecimal codes of the TV set.
2. To get into the Self Check mode, press the "DOWN" button on the customer's controls at the front of the set, at the same time pressing the "MENU" button on the remote control. The screen that will show is represented by Figure 4.
3. Press both "OFF TIMER" button on the remote control and "DOWN" key button on the control panel.

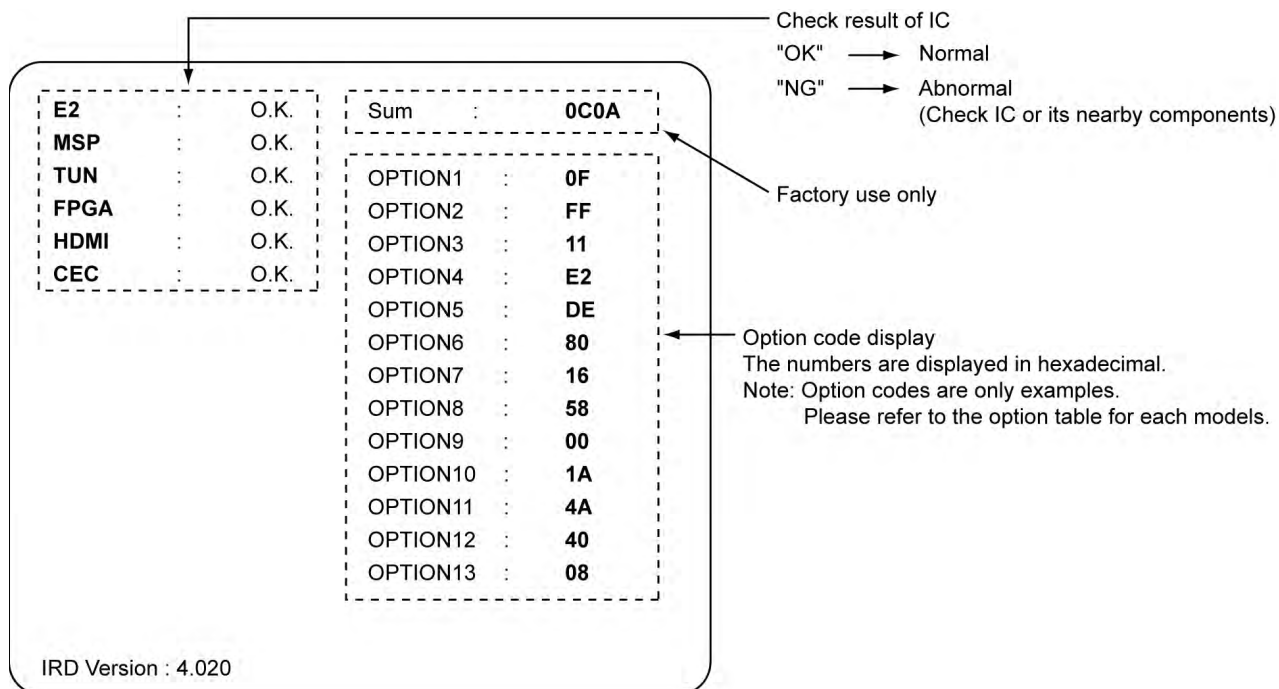


Figure 4

### 4.2. Power LED Blinking Timing Chart

#### 1. Subject

Information of LED blinking timing chart.

#### 2. Contents

When an abnormality has occurred in the unit, the protection circuit operates and resets to standby 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.

| No. of blinks | Blinking timing | Contents   | Check point             |
|---------------|-----------------|--|-------------------------|
| 1             |                 | Inverter SOS<br>(24 V line<br>Inverter in LCD panel) | POWER UNIT<br>LCD PANEL |
| 3             |                 | SOS<br>BT 30 V/<br>SOUND 18 V/<br>PANEL 12 V/        | AP-BOARD<br>H-BOARD     |
| 4             |                 | Sub 9 V  | AP-BOARD                |
| 5             |                 | Sub 5 V  | AP-BOARD                |
| 6             |                 | Main 9 V   | AP-BOARD                |
| 8             |                 | Main 3.3 V   | AP-BOARD                |



# 5 Chassis Board

## 5.1. Chassis Installation

1. Fix 12 screws to 'A-board' and 'P-board'.

Tightening torque should be 50 Ncm to 80 Ncm (5 kgf cm to 8 kgf cm).

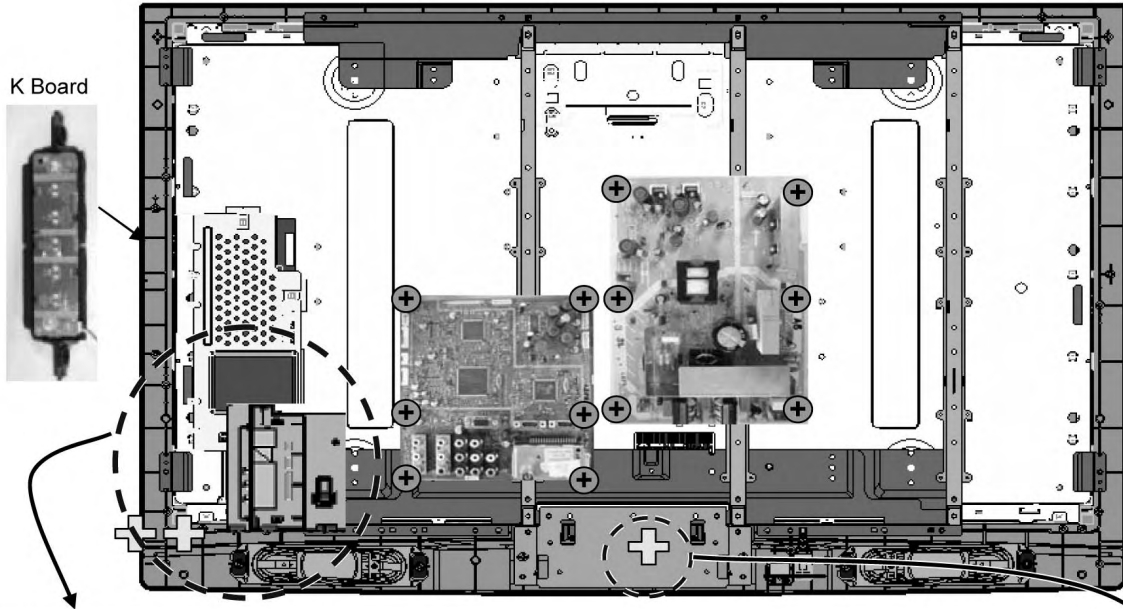
2. Fix connectors G1, G2 and G3 to AT G-board.

3. Fix 2 screws to the side of AV bracket assembly.

Tightening torque should be 100 Ncm to 130 Ncm (10 kgf cm to 13 kgf cm).

4. Fix 1 screw to cabinet with power switch PCB bracket.

Tightening torque should be 100 Ncm to 130 Ncm (10 kgf cm to 13 kgf cm).



Go to K1 connector

**Side AV Bracket**

G3 wire must slot into side AV bracket.

G3 wire must under G1 and G2 wires.

G1 and G2 wire must slot into side AV bracket.

**Power Switch PCB Bracket Fitting**

Slot SW board to Power Switch PCB Bracket.

Ensure they are fully inserted at bracket hook.

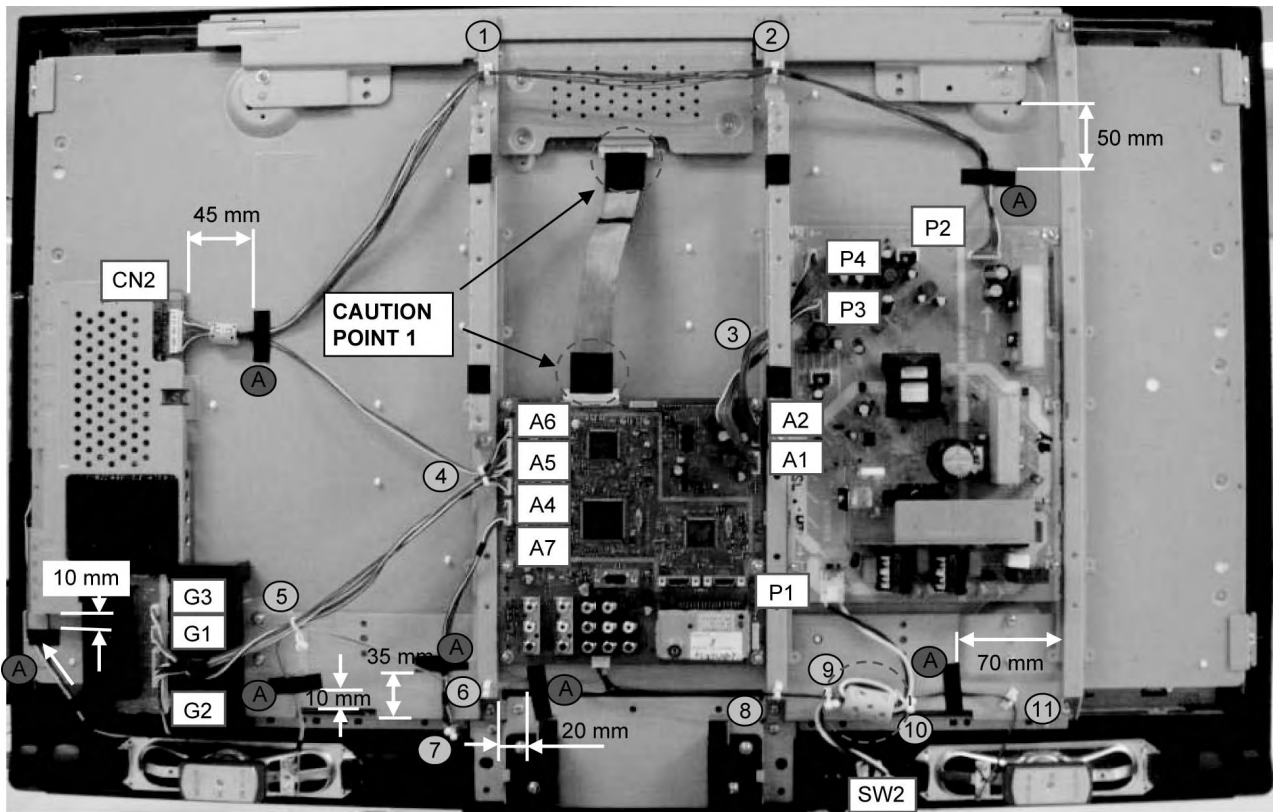
Ensure Ac-Cord and SW wire are fully inserted (locked) into connector.

⊕ = SCREW - XT B4 + 15JFJ (3 pcs)

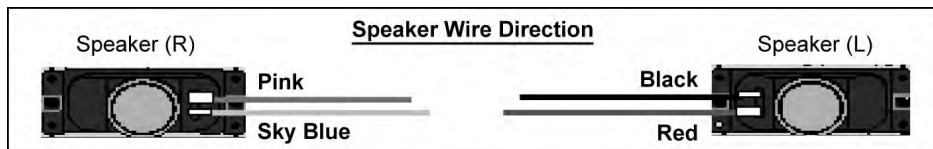
⊕ = SCREW - THTF012J (12 pcs)

## 6 Location of Lead Wiring

### 6.1. Wire Dressing

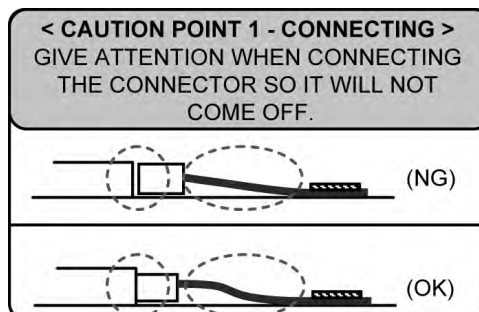


Ⓐ = FELT-TMK4G215 = 7 pcs



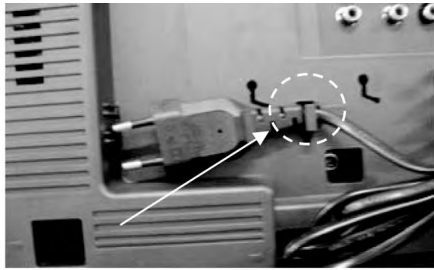
### 6.2. Wire Dressing and Connections

|    | CONNECTION         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |  |  |  |  |
|----|--------------------|---|---|---|---|---|---|---|---|---|----|----|--|--|--|--|
| 1  | CN 2 ~ P 2         | ● | ● |   |   |   |   |   |   |   |    |    |  |  |  |  |
| 2  | A 2 ~ P 4          |   |   | ● |   |   |   |   |   |   |    |    |  |  |  |  |
| 3  | A 1 ~ P 3          |   |   | ● |   |   |   |   |   |   |    |    |  |  |  |  |
| 4  | CN 2 ~ A 6         |   |   |   | ● |   |   |   |   |   |    |    |  |  |  |  |
| 5  | G 1 ~ A 4          |   |   |   | ● | ● |   |   |   |   |    |    |  |  |  |  |
| 6  | G 2 ~ A 5          |   |   |   | ● | ● |   |   |   |   |    |    |  |  |  |  |
| 7  | V 1 ~ A 7          |   |   |   |   |   |   | ● |   |   |    |    |  |  |  |  |
| 8  | A 12 ~ SPEAKER (L) |   |   |   |   |   |   |   | ● | ● | ●  | ●  |  |  |  |  |
| 9  | A 12 ~ SPEAKER (R) |   |   |   |   | ● | ● |   |   |   |    |    |  |  |  |  |
| 10 | P 1 ~ SW 2         |   |   |   |   |   |   |   |   | ● | ●  |    |  |  |  |  |



## 7 Disassembly for Service

### 7.1. AC Code dressing for 2-Pin



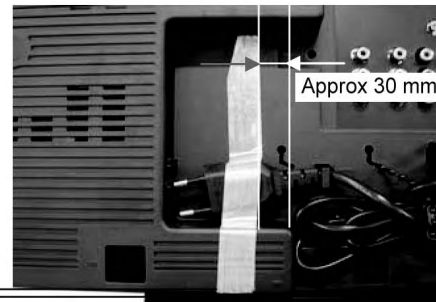
Slot AC cord at the back cover hook



Slot beads at back cover under the AC cord wire



Final dressing



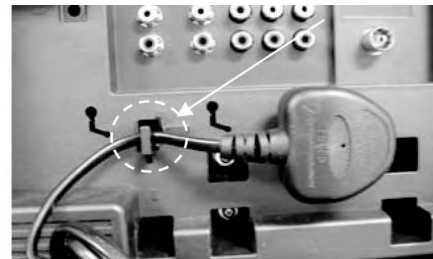
0~0 mm

Stick AC cord at the back cover with filament tape and ensure the tape is sticking onto the back cover by fully rubbing the tape

### 7.2. AC Code dressing for 3-Pin



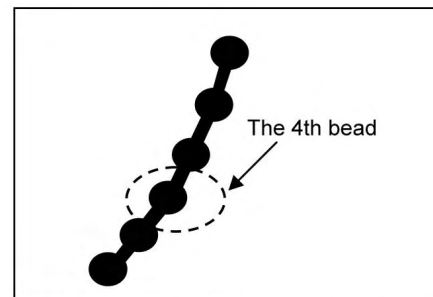
Fix AC cord into the 3-pin plug hole at the back cover



Slot AC cord at back cover hook



Final dressing

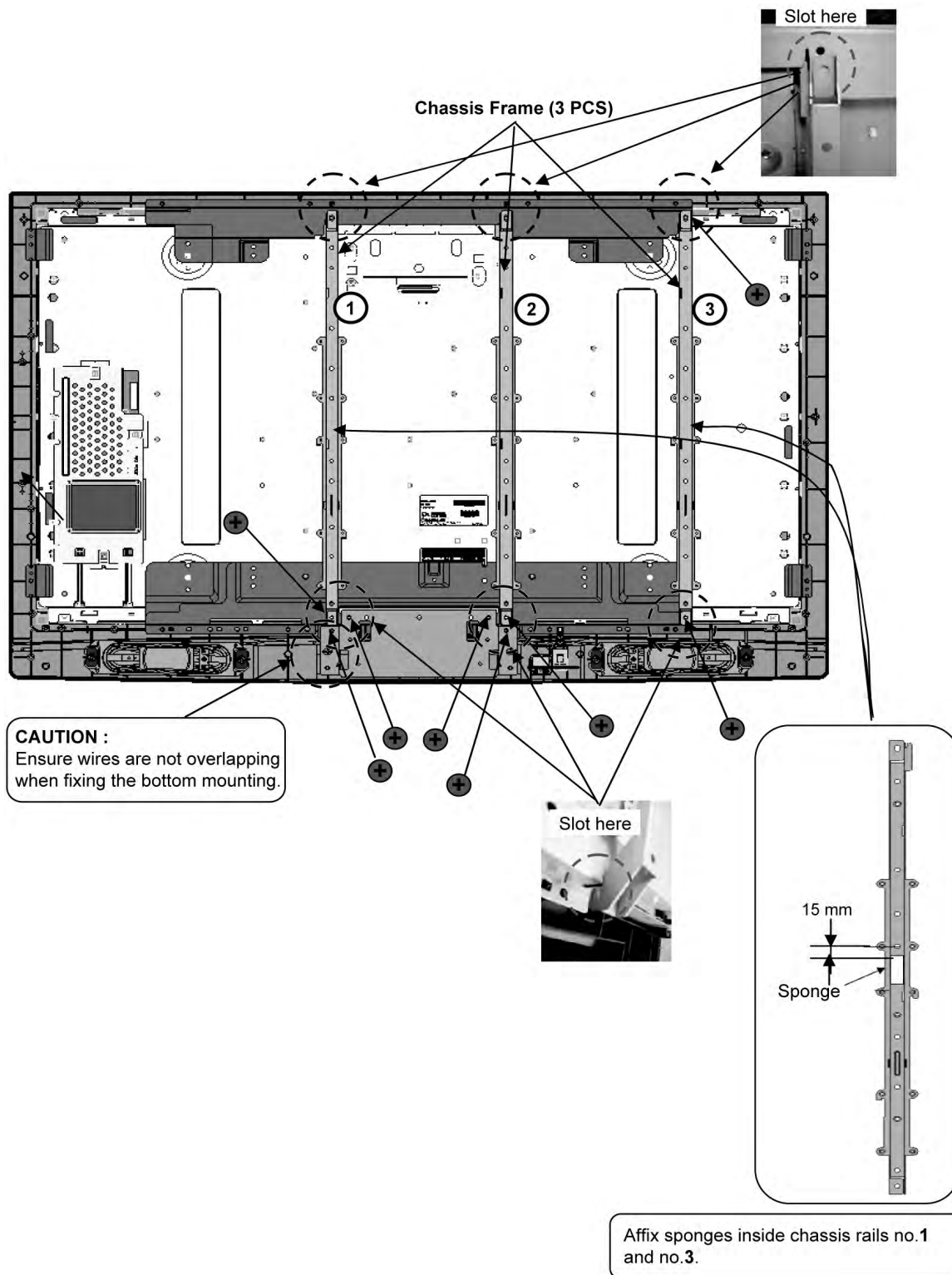


The 4th bead

Insert 4th bead into the back cover hole

### 7.3. Chassis Rail Installation

1. Put on the bottom mounting and fix with 4 screws.  
Tightening torque should be 100 N cm - 130 N cm (10 kgf cm to 13 kgf cm).
2. Stick sponges at chassis rails no.1 and no.3.
3. Fix 3 pieces of chassis frames and fix 4 screws to the bottom and top mountings.  
Tightening torque should be 100 N cm - 130 N cm (10 kgf cm to 13 kgf cm).



## 7.4. VESA Bracket Installation

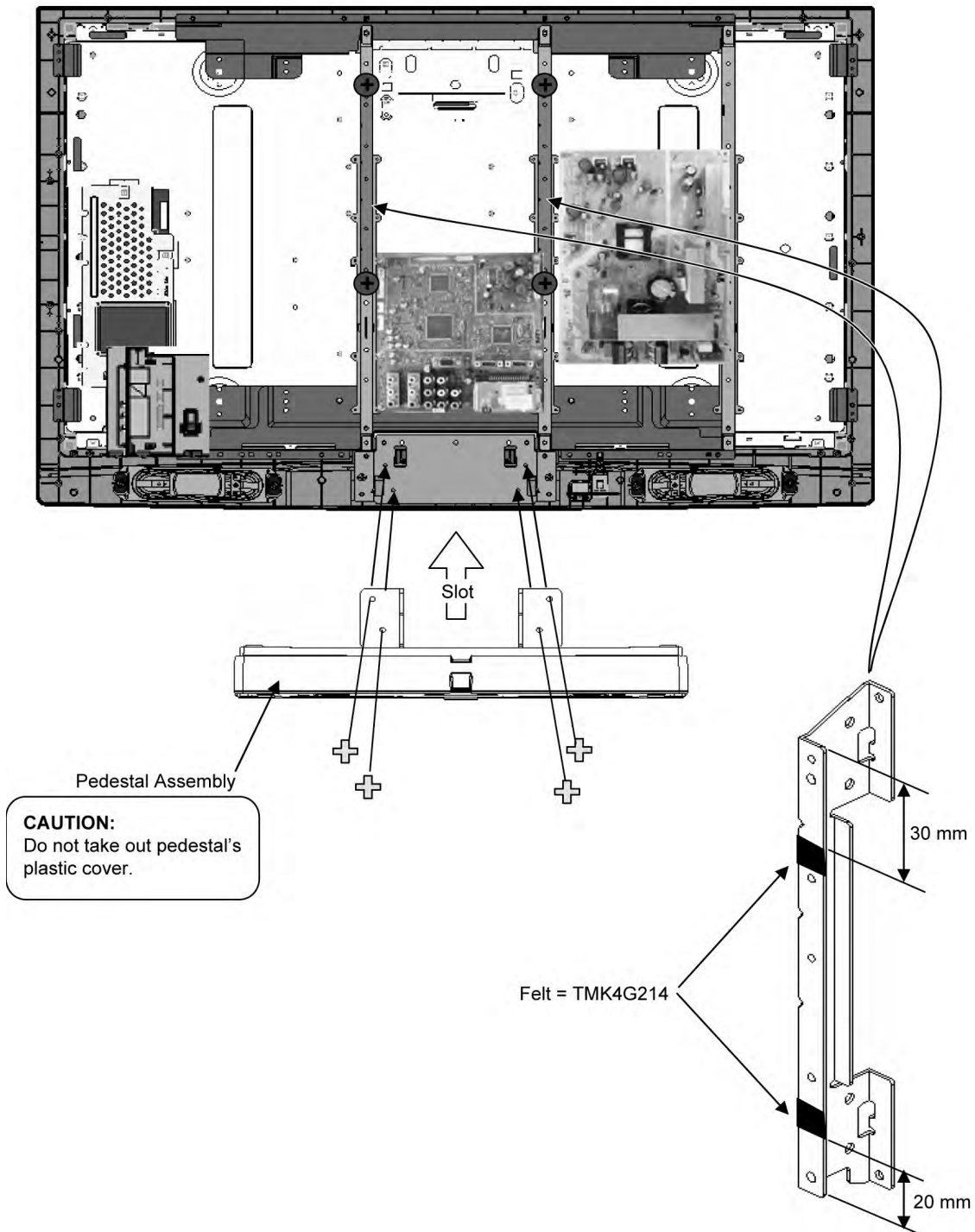
1. Stick 2 pieces of felt on each part of the VESA bracket.

2. Fix 4 screws to VESA bracket.

Tightening torque should be 100 Ncm to 130 Ncm (10 kgf cm to 13 kgf cm).

3. Slot pedestal assembly and fix 4 screws to cabinet.

Tightening torque should be 100 Ncm to 130 Ncm (10 kgf cm to 13 kgf cm).



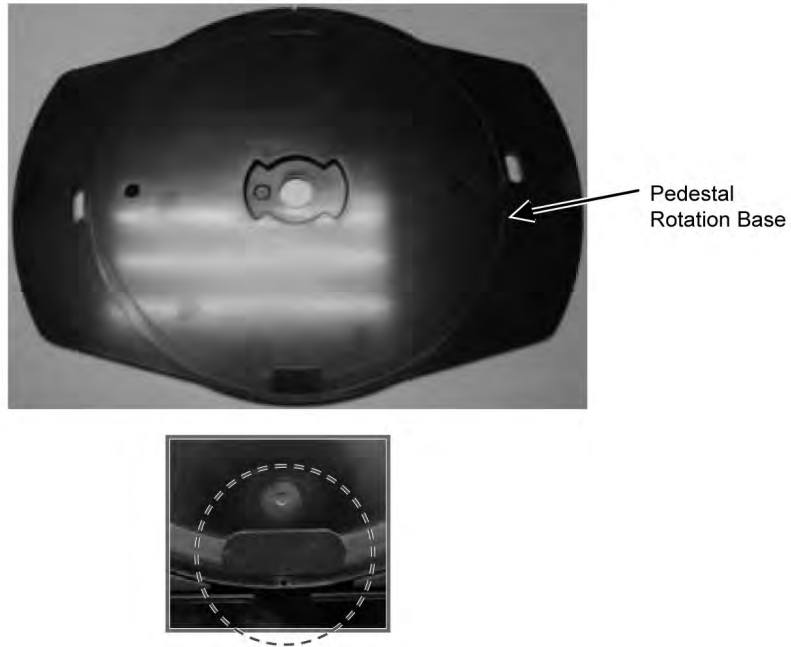
⊕ = SCREW-XTB4 + 15JFJ (4 pcs)

⊕ = SCREW-XYN4 + F10FJK (4 pcs)

## 7.5. Pedestal Assembly Preparation

### 7.5.1. Pedestal Rotation Base

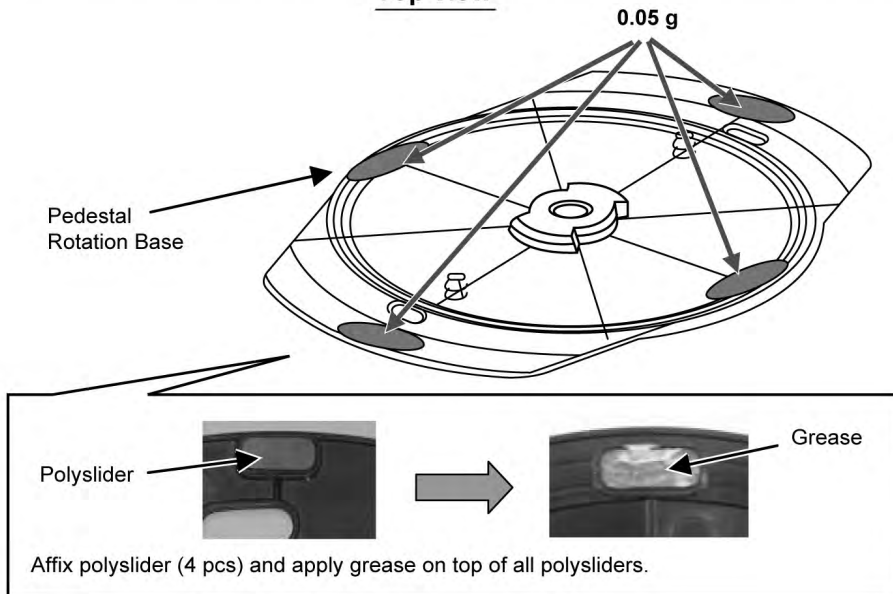
#### Preparation



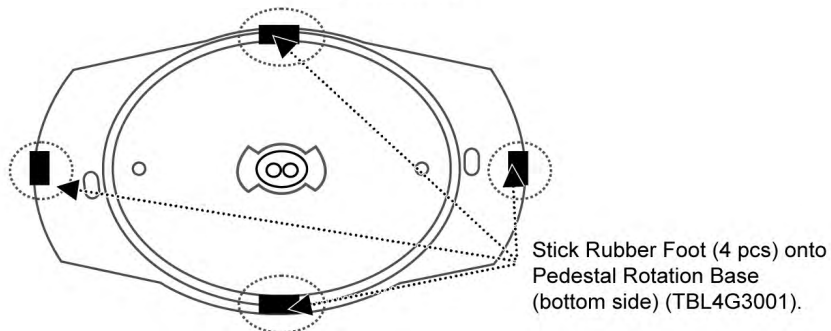
**Caution :**

Make sure the rubber foot is fully inserted into the base of the guide rib at pedestal rotation to ensure the balance of the pedestal assembly.

#### Top view



#### Bottom view

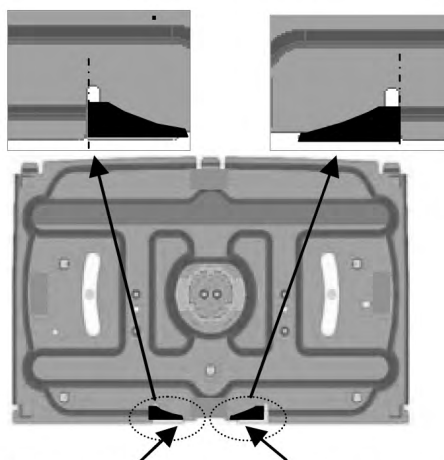


### 7.5.2. Pedestal Stand Base

#### Preparation



#### Bottom view



Stick Protection Rubber ( R ) 1 pc (TBL4GG3004).

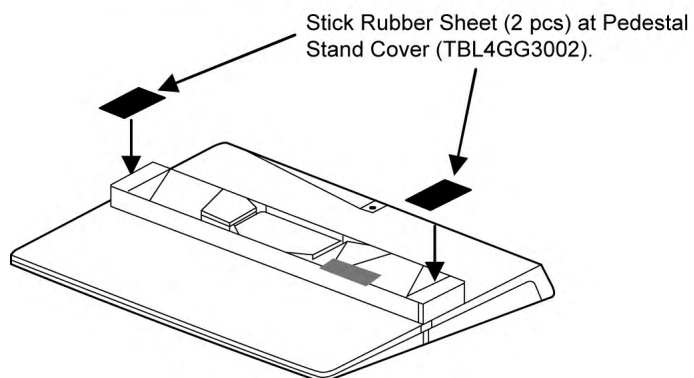
Stick Protection Rubber ( L ) 1 pc (TBL4GG3003).

### 7.5.3. Pedestal Stand Cover

#### Preparation

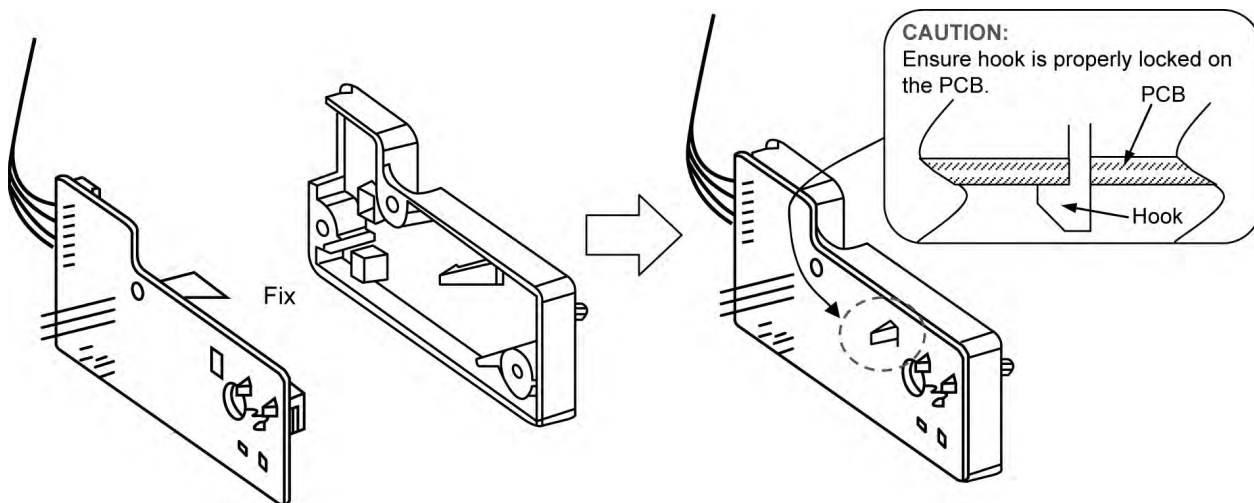


Stick Rubber Sheet (2 pcs) at Pedestal Stand Cover (TBL4GG3002).



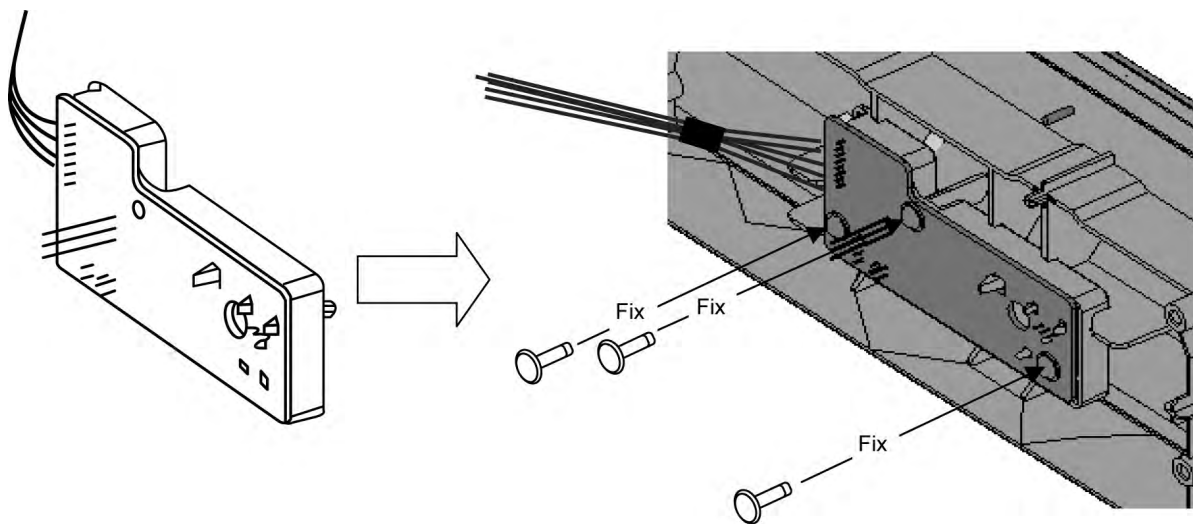
## 7.6. LED Panel Installation

1. Put PCB to LED panel and ensure hook is properly locked on the PCB.



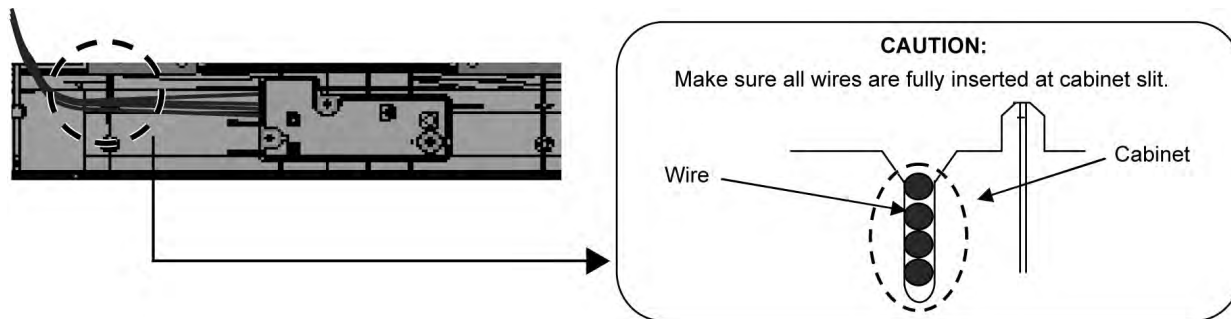
2. Fix LED panel to cabinet with 3 screws.

Tightening torque should be 0.5 N m ~ 0.8 N m (5 to 8 kgf cm).



 = Screw - XTW3 + 10TFJ (3 pcs)

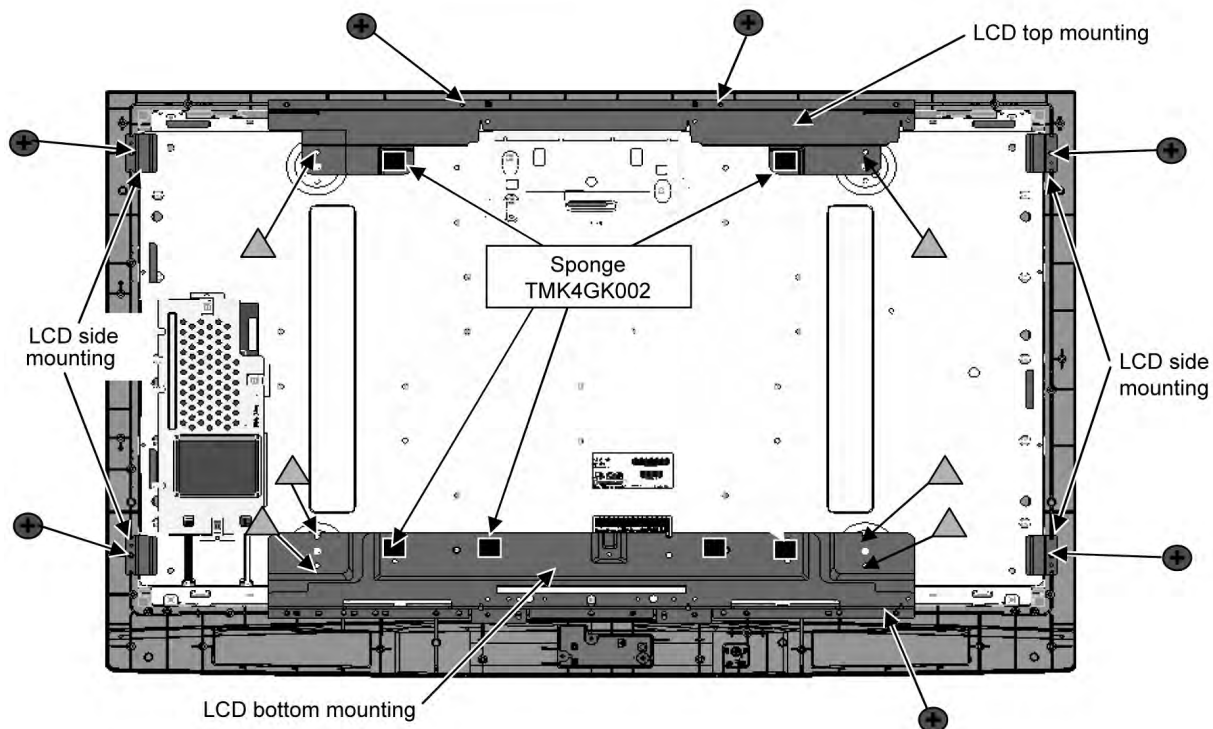
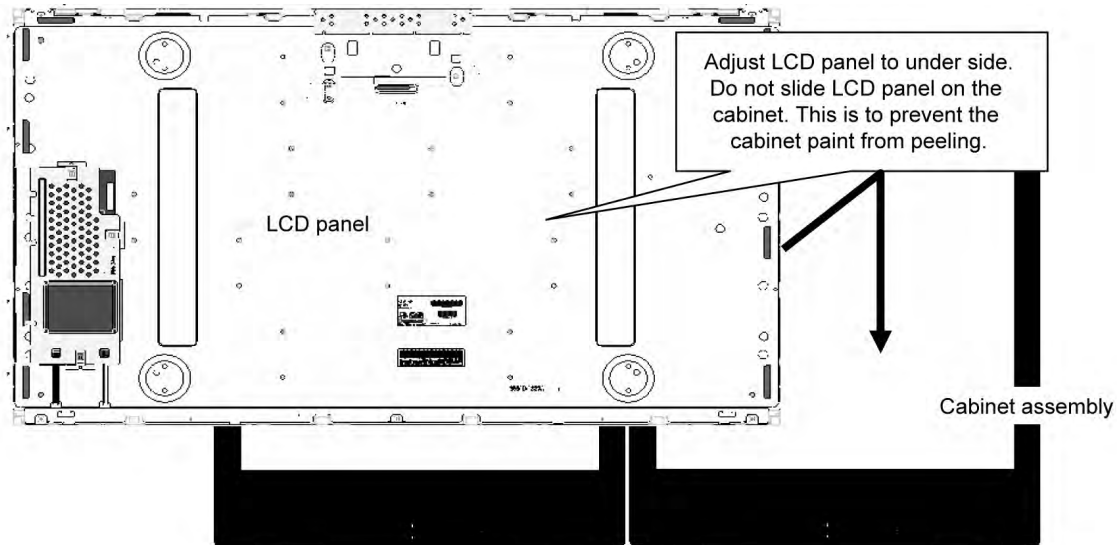
3. Fix wires at cabinet slit and make sure all wires are fully inserted to avoid contact with the pedestal metal.





## 7.7. LCD Panel Assembly Installation

1. Put LCD panel to cabinet assembly.
2. Put LCD top mounting, LCD bottom mounting and LCD side mounting to cabinet assembly.
3. Fix screw into LCD top mounting, LCD side mounting and LCD bottom mounting.  
Tightening torque should be 100 N cm ~ 130 N cm (10 kgf cm to 13 kgf cm).
4. Stick sponges at top mounting and bottom mounting.



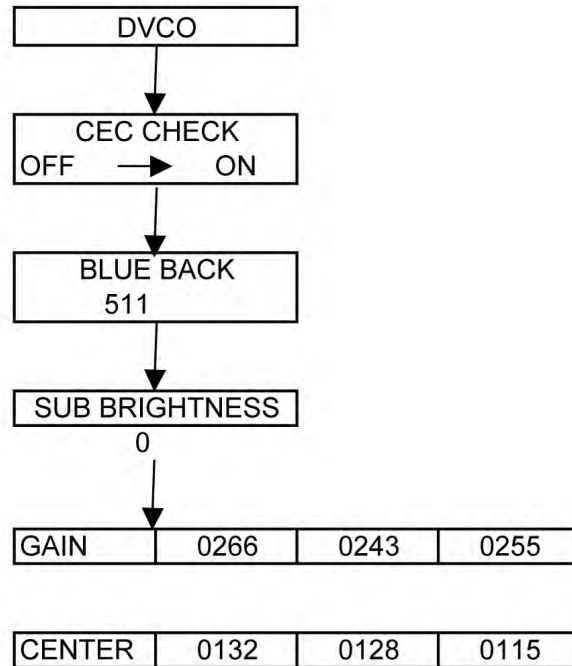
⊕ = SCREW - XTB4 + 15JFJ (7 pcs), ▲ = SCREW - XYN4 + F6FJ (6 pcs), ■ = SPONGE (6 pcs)

## 8 Service Mode Adjustment

Set channel 99, then set the timer to 30 min. Press the “RECALL” button on the remote control and the “-” button on the LCD panel.

### 8.1. SERVICE 1

1. Press the red button (on the remote control) for adjustment below.



### 8.2. SERVICE 2

1. Select CEC CHECK mode in service 1, then press the “HOLD” button (on the remote control) to enter service 2.

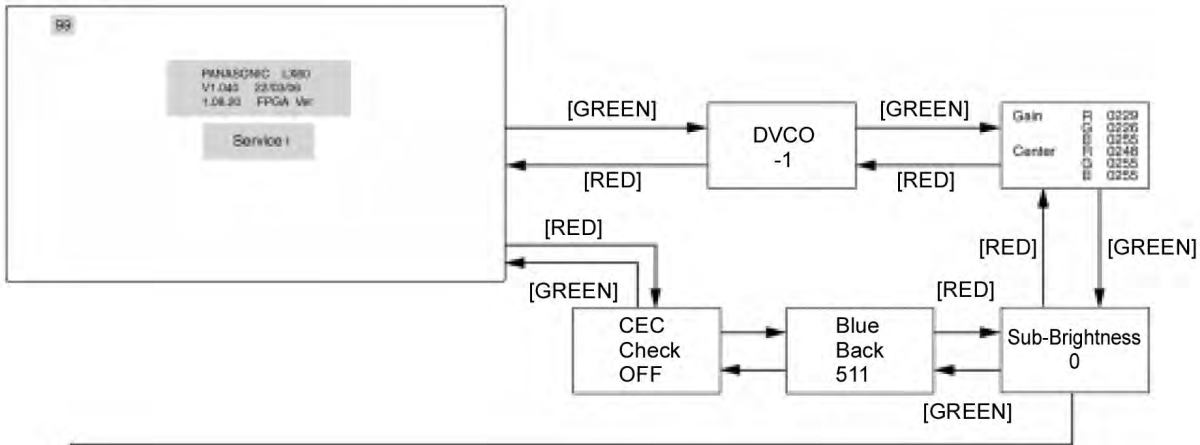
### 8.3. Self Check Mode

1. Press the “TIMER” button (on the remote control) and the “DOWN” button on the LCD panel.
2. Press the “NORMALIZE” button (on the remote control) to Exit.

### 8.4. Hotel Mode Adjustment

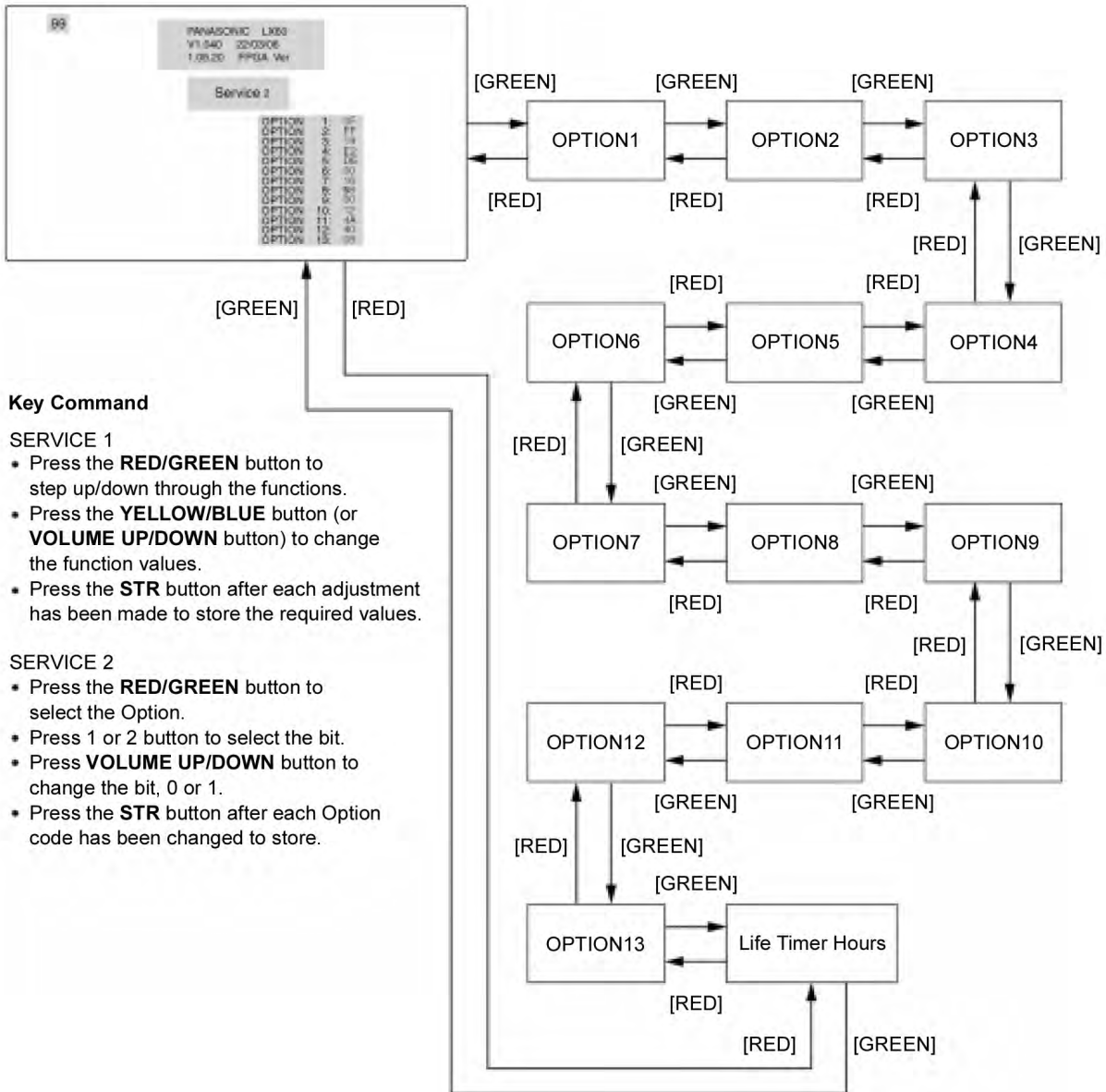
1. Press the “VOLUME DOWN” button on the TV panel while pressing the “TV/AV” button on the remote control.
2. Press the “MENU” button on the remote control to Exit the Hotel Mode Function.

**SERVICE 1**



DOWN "-" + MUTE

**SERVICE 2**



**Key Command**

**SERVICE 1**

- Press the **RED/GREEN** button to step up/down through the functions.
- Press the **YELLOW/BLUE** button (or **VOLUME UP/DOWN** button) to change the function values.
- Press the **STR** button after each adjustment has been made to store the required values.

**SERVICE 2**

- Press the **RED/GREEN** button to select the Option.
- Press 1 or 2 button to select the bit.
- Press **VOLUME UP/DOWN** button to change the bit, 0 or 1.
- Press the **STR** button after each Option code has been changed to store.

## 9 Adjustment

### 9.1. Voltage Chart of A Board

| Power Name   | Test point | Specification  |                |
|--------------|------------|----------------|----------------|
|              |            | ON             | STANDBY        |
| MAIN_5 V     | TP1823     | 5.0 ± 0.25 V   | -              |
| PANEL_12 V   | TP1815     | 12.0 ± 0.50 V  | -              |
| BT_30 V      | TP1820     | 30.0 V ± 2.0 V | -              |
| 24 V         | TP1818     | 24.0 ± 1.2 V   | -              |
| MAIN_8 V     | TP1822     | 8.15 V ± 0.4 V | -              |
| STB_6 V      | TP1805     | 6.0 V ± 0.25 V | 6.0 V ± 0.25 V |
| STB_3.3 V    | TP1835     | 3.30 ± 0.17 V  | 3.30 ± 0.17 V  |
| STB_1.8 V    | TP1837     | 1.89 ± 0.09 V  | 1.89 ± 0.09 V  |
| SOUND_13.3 V | TP1816     | 13.3 ± 0.6 V   | -              |

### 9.2. Voltage Chart of P board

| Power Name   | Test point | Specification  |                |
|--------------|------------|----------------|----------------|
|              |            | ON             | STANDBY        |
| MAIN_5 V     | TPP008     | 5.0 ± 0.25 V   | -              |
| PANEL_12 V   | TPP005     | 12.0 ± 0.50 V  | -              |
| BT_30 V      | TPP015     | 30.0 V ± 2.0 V | -              |
| 24 V         | TPP007     | 24.0 ± 1.2 V   | -              |
| MAIN_8 V     | TPP006     | 8.15 V ± 0.4 V | -              |
| STB_6 V      | TPP013     | 6.0 V ± 0.25 V | 6.0 V ± 0.25 V |
| STB_3.3 V    | TPP009     | 3.30 ± 0.17 V  | 3.30 ± 0.17 V  |
| SOUND_13.3 V | TPP002     | 13.3 V ± 0.6 V | -              |

### 9.3. DVCO Adjustment

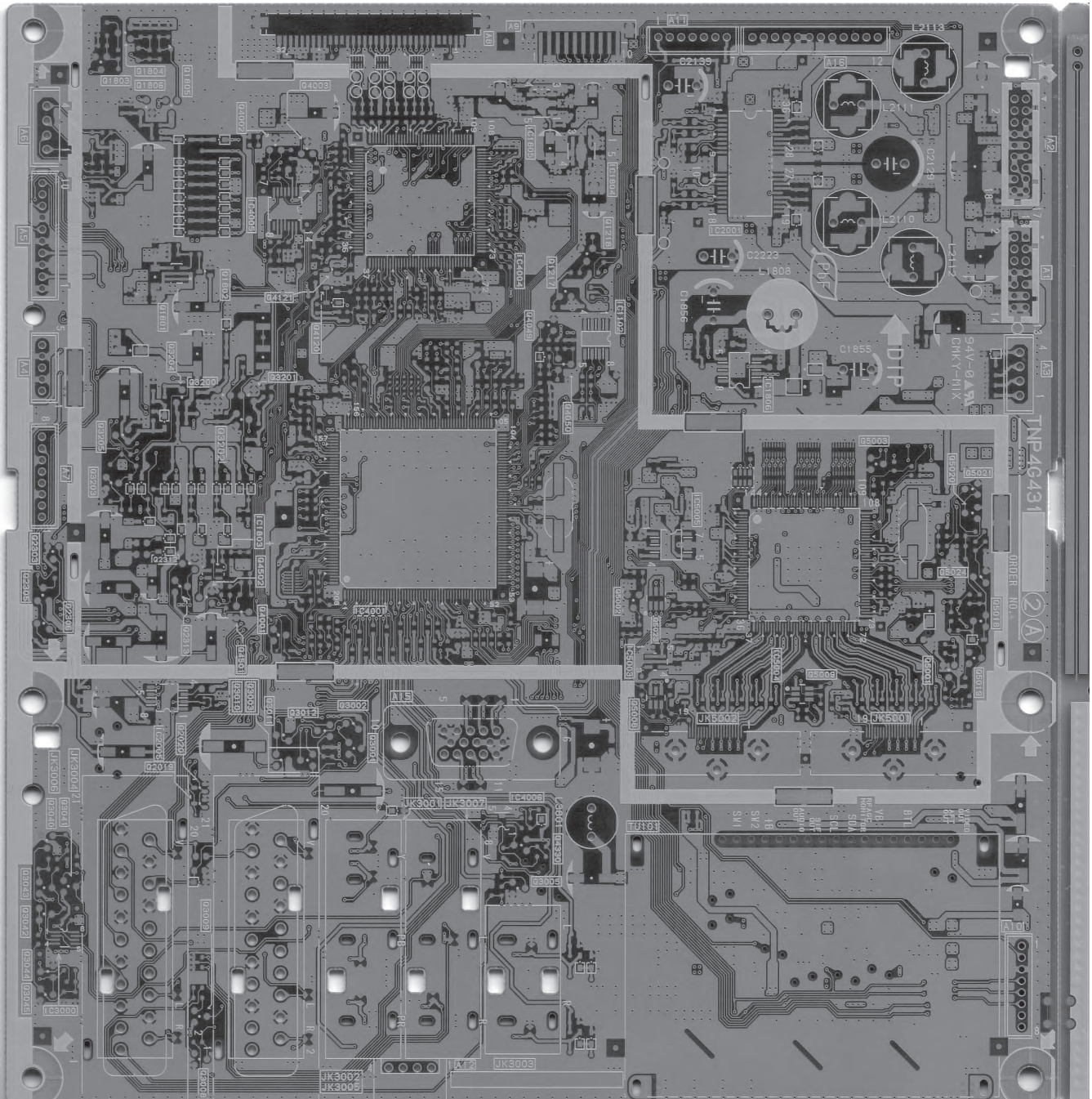
| Measuring instrument | Instrument name   | Connect to            | Remarks  |
|----------------------|---|-----------------------|--|
|                      | 1. Remote control composite output device   | AVI AV input terminal |  |
| Adjust               | Procedure   |                       | Remarks  |
|                      | <p>&lt;DVCO Adjustment&gt;</p> <ol style="list-style-type: none"> <li>AVI<br/>PAL/fp = 4.43361875 MHz<br/>Receive the colour bar pattern at AVI composite video.<br/>*Signal generator : PAL/fp = 4.43361875 MHz (ref.)</li> <li>Service 1<br/>Go to "DVCO" under Service 1 by pressing "FA" + "4" on the remote control.</li> <li>Perform automatic adjustment of DVCO using the blue key.<br/>(About 3 sec.)<br/>*DVCO (START)<br/>The display colour of DVCO shows as black (START) → red (under adjustment) → black (completion)</li> </ol> |                       | <p>RF/PAL</p> <p>[Another method]<br/>Receive the PAL colour bar pattern at RF.</p> <p>EEPROM Address of DVCO Adjustment value 238 ~ 239</p> |

# 10 Conductor Views

## 10.1. A-Board

A-Board (A Side)

TNP4G431



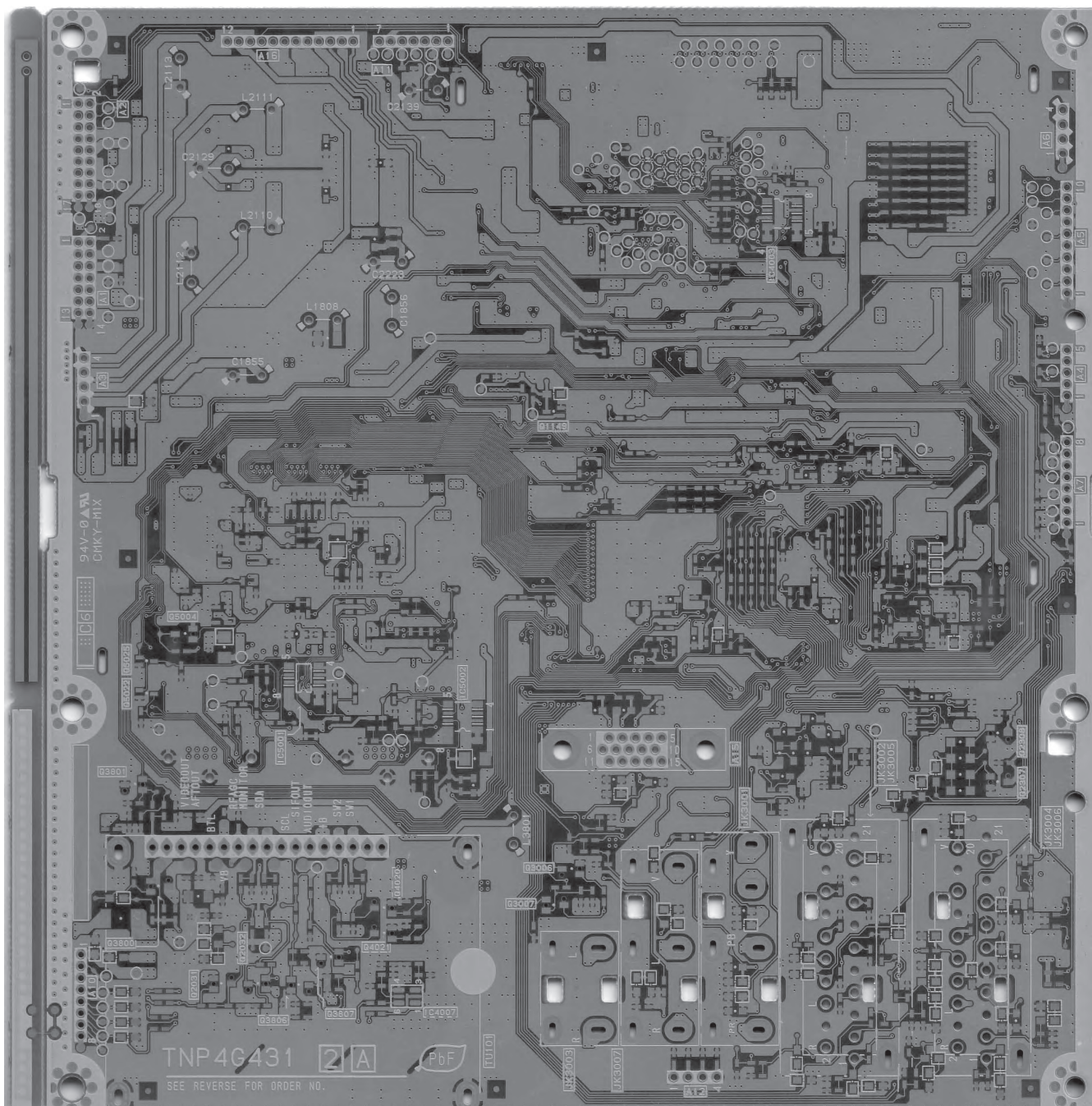
Parts Location

| A-Board | A-Board | A-Board | A-Board | A-Board | A-Board | A-Board |
|---------|---------|---------|---------|---------|---------|---------|
| IC      | IC      | IC      | IC      | IC      | IC      | IC      |
| IC4006  | IC5004  | IC4001  | IC2005  |         |         |         |
| IC1804  | IC5005  | IC4005  | IC2001  |         |         |         |
| IC1805  | IC1102  | IC1803  |         |         |         |         |
| IC5003  | IC4004  | IC3860  |         |         |         |         |

## 10.2. A-Board

A-Board (B Side)

TNP4G431




Parts Location

| A-Board |  |
|---------|--|
| IC      |  |
| IC5002  |  |
| IC5001  |  |
| IC4003  |  |

# 11 Schematic Diagram

## 11.1. Schematic Diagram Notes

### Important Safety Notice

Components identified by  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

#### 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  $\mu$ F unless otherwise noted.

##### 4. Test Point

 : Test Point position

##### 5. Earth Symbol

 : Chassis Earth (Cold)  : Line Earth (Hot)

##### 6. Voltage Measurement

Voltage is measured using DC voltmeter.

Conditions of the measurement are the following :


Power Source.....AC AUTO 110-240 V, 50/60 Hz



Receiving Signal.....Colour Bar signal (RF)

All customer's controls.....Maximum positions

7. Number in red circle indicates waveform number.

(See waveform pattern table)

8. When an arrow mark (  ) is found, connection is easily found from the direction of the arrow.

9. Indicates the major signal flow: Video  Audio 

10. 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.

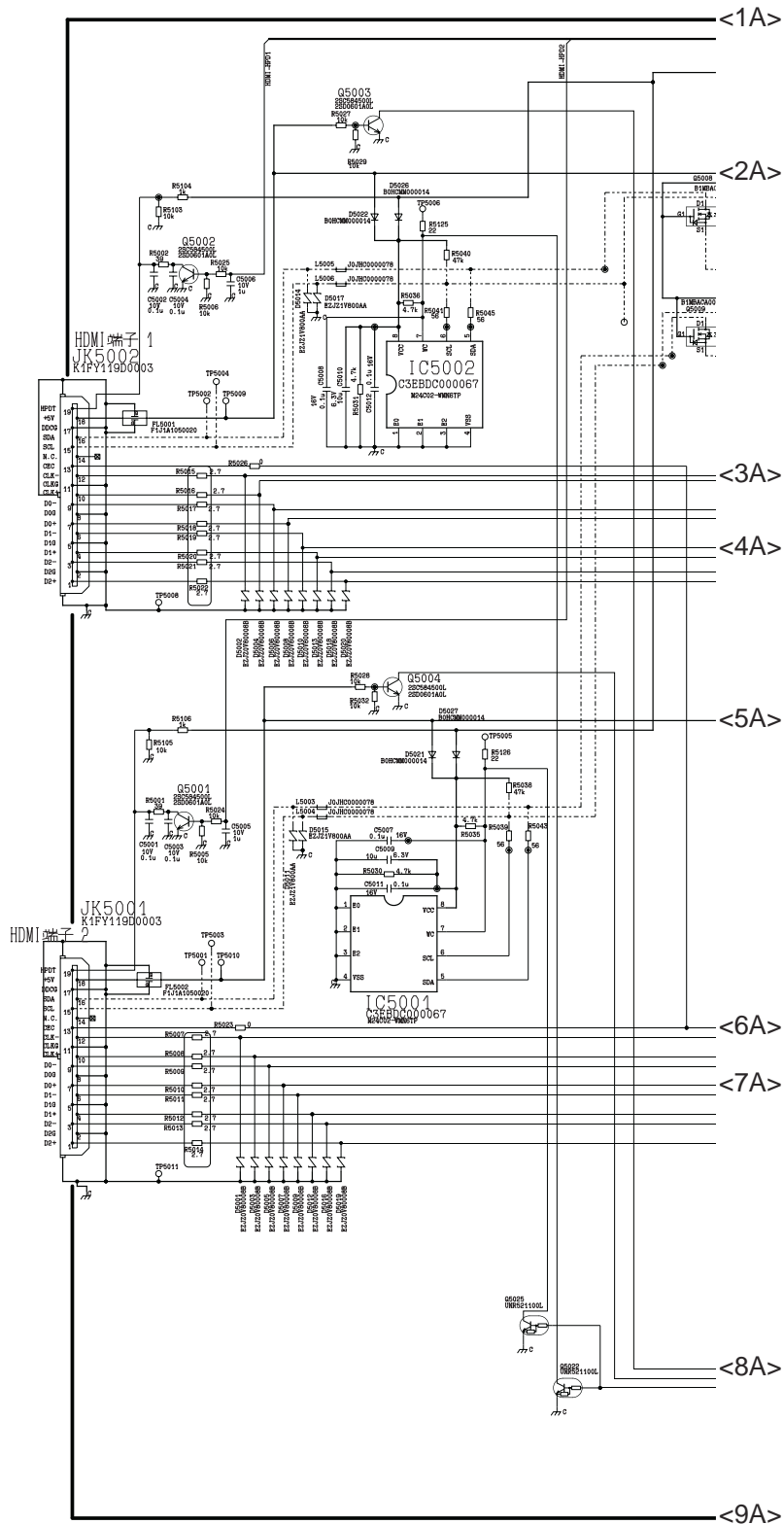
c. Do not connect an instrument such as an oscilloscope to the hot and cold circuits simultaneously or a fuse may blow.

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.

# 11.2. A Board

## 11.2.1. A Board (1 / 10)

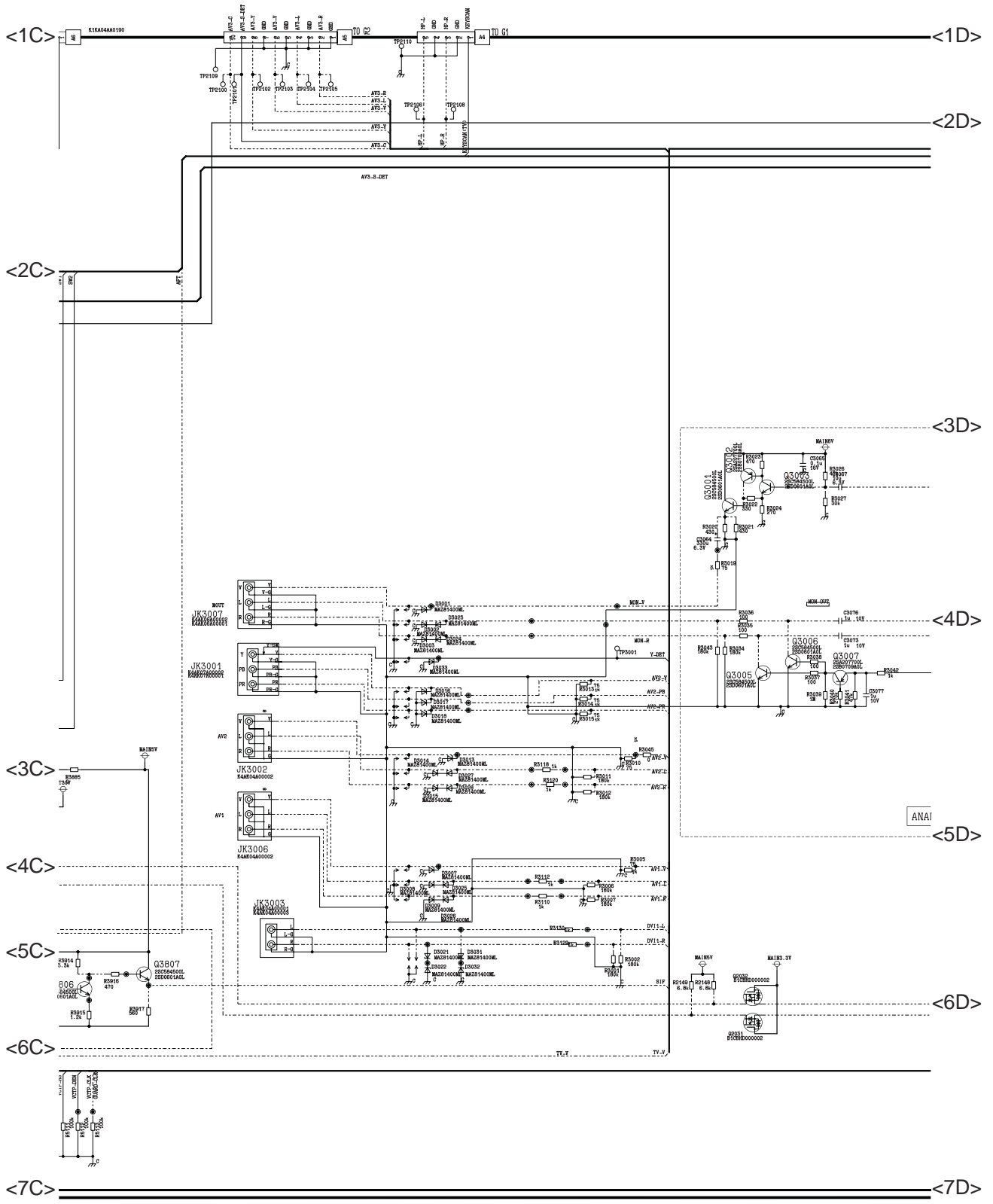




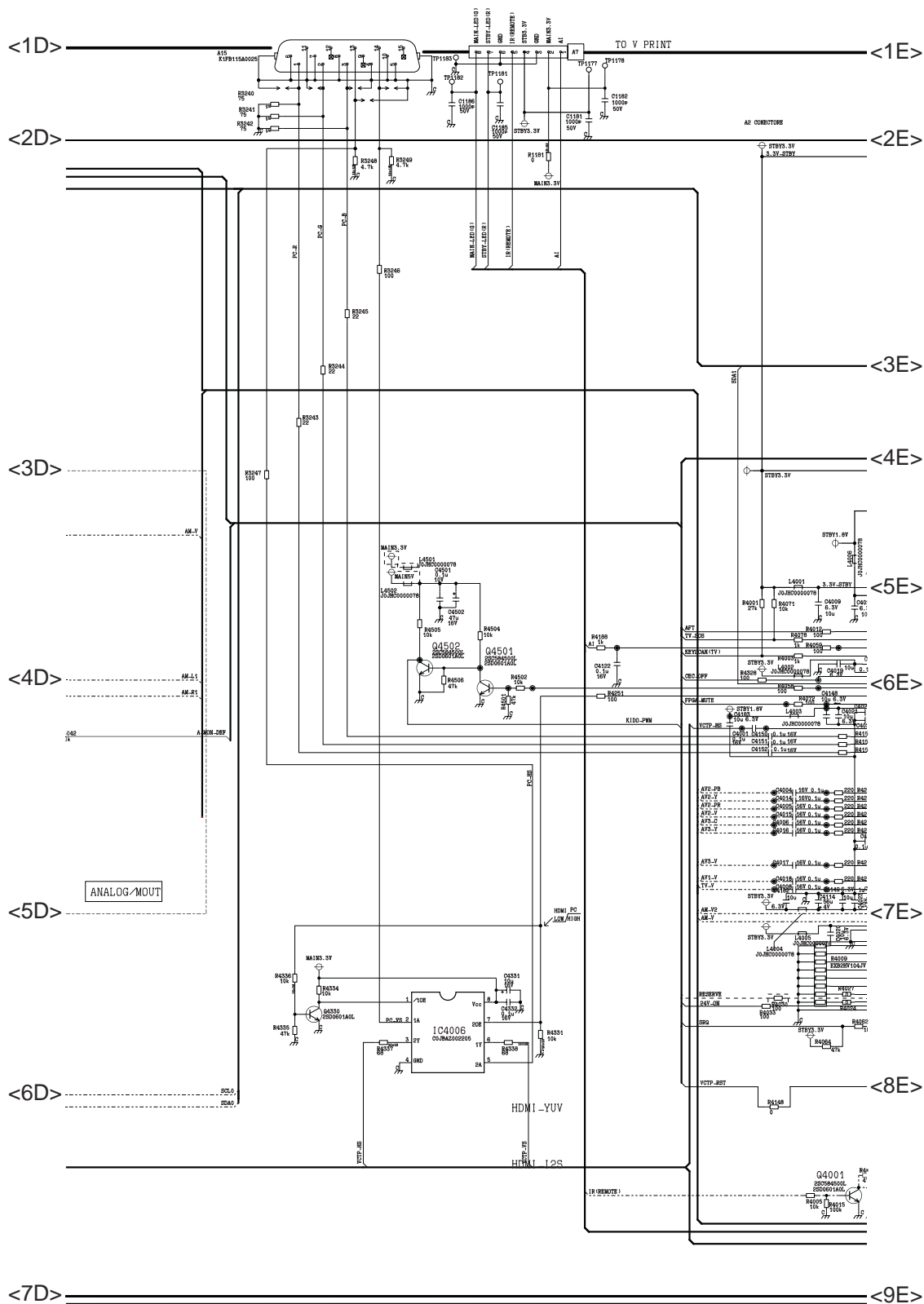




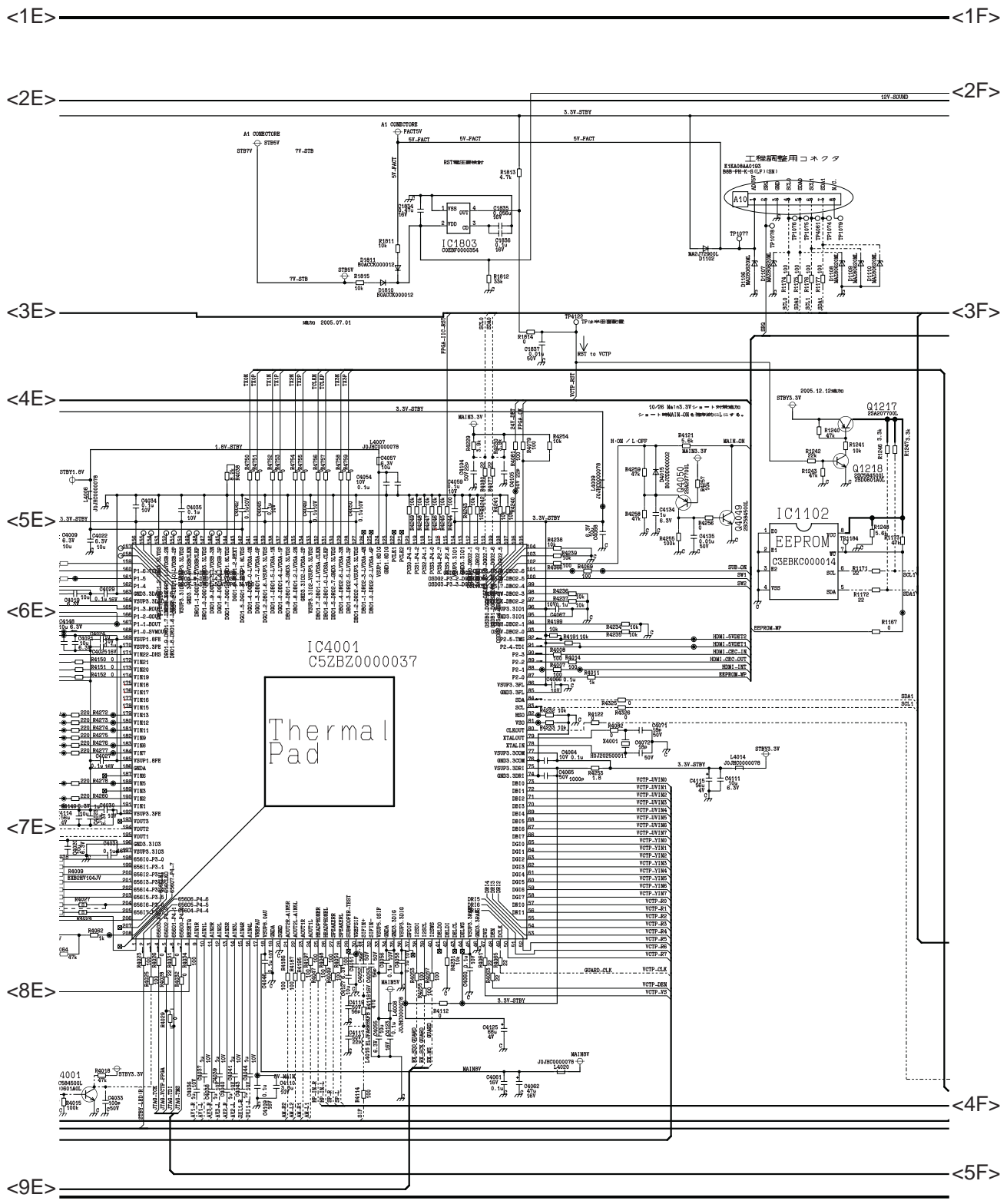
11.2.4. A Board (4 / 10)



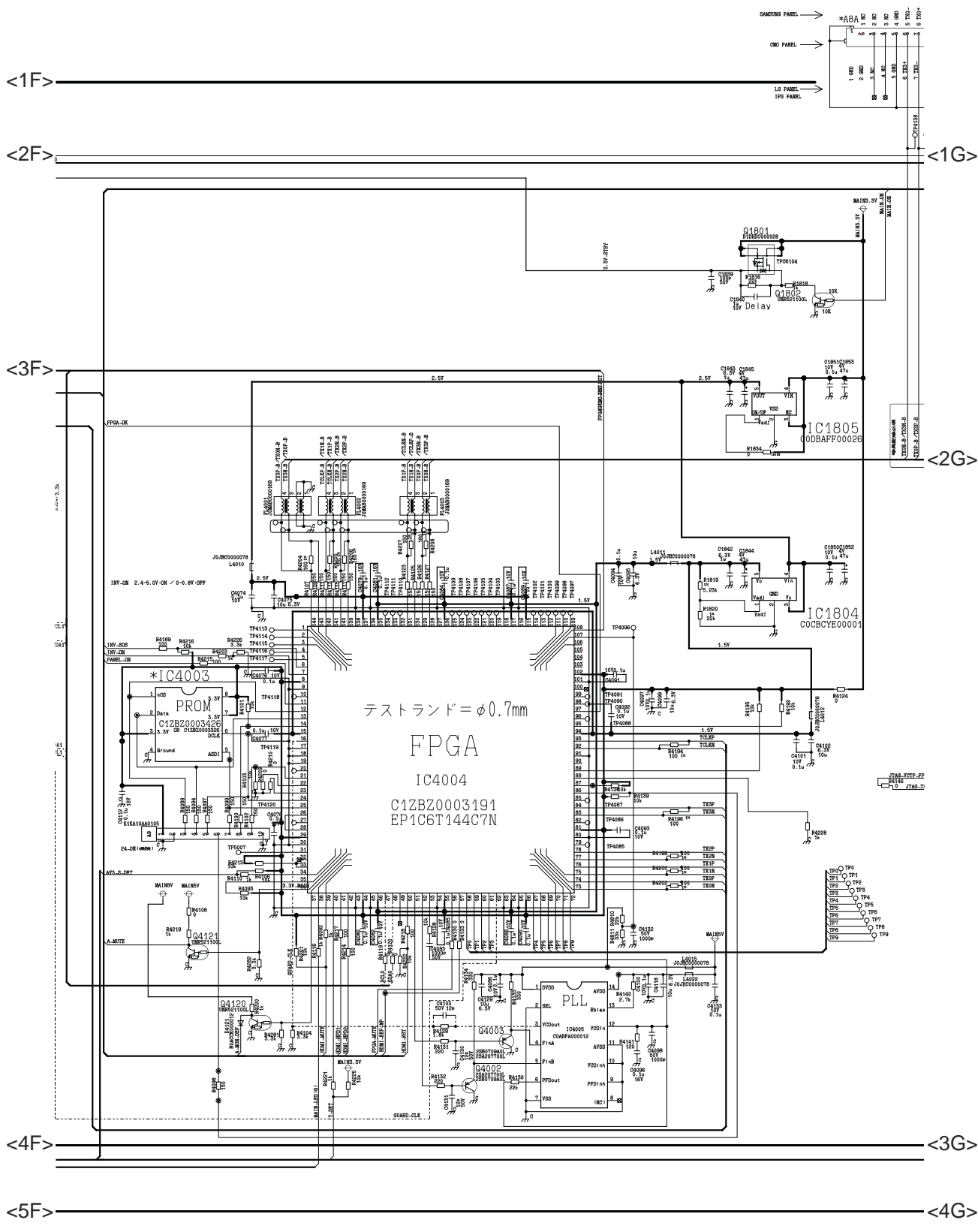
11.2.5. A Board (5 / 10)



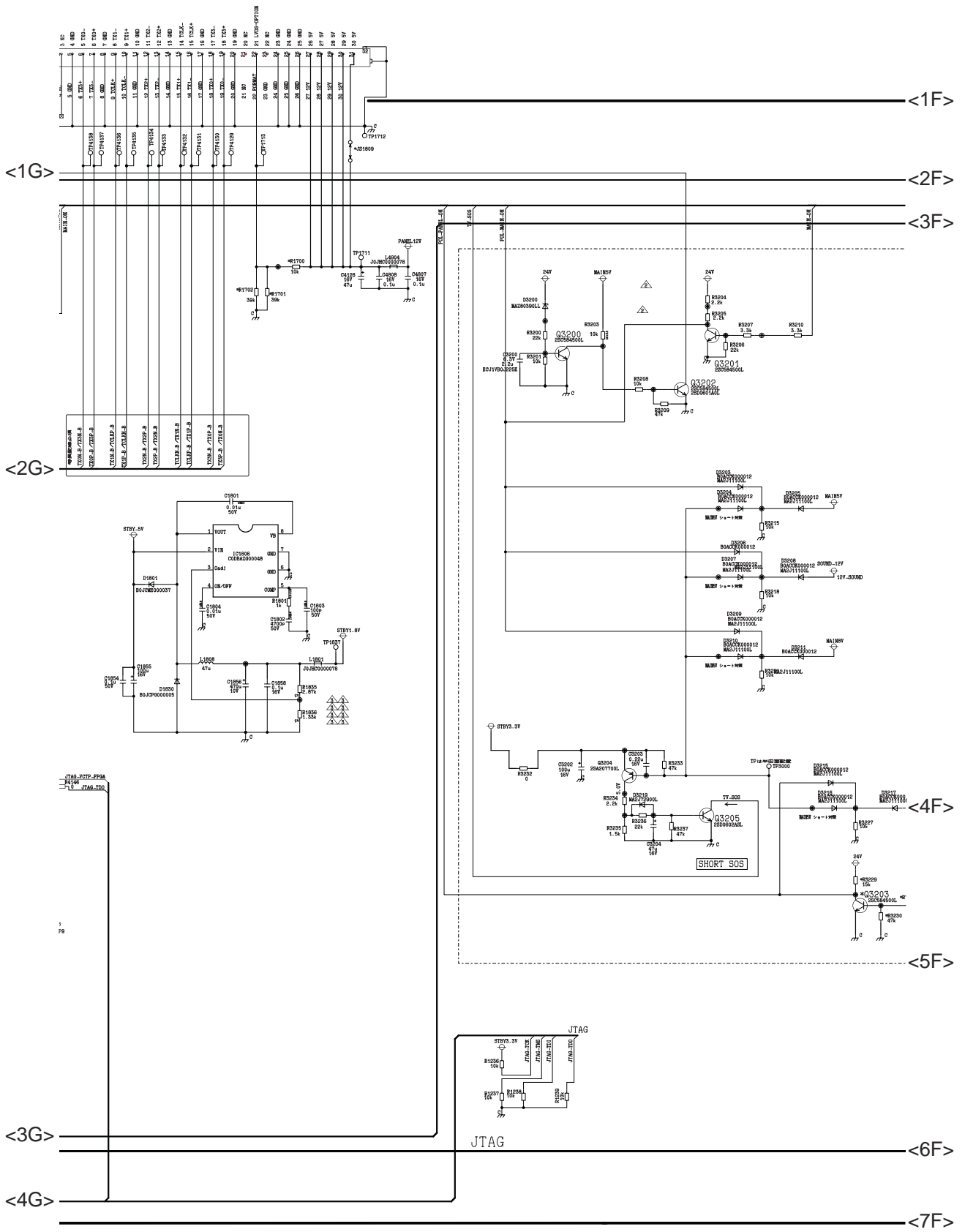
### 11.2.6. A Board (6 / 10)



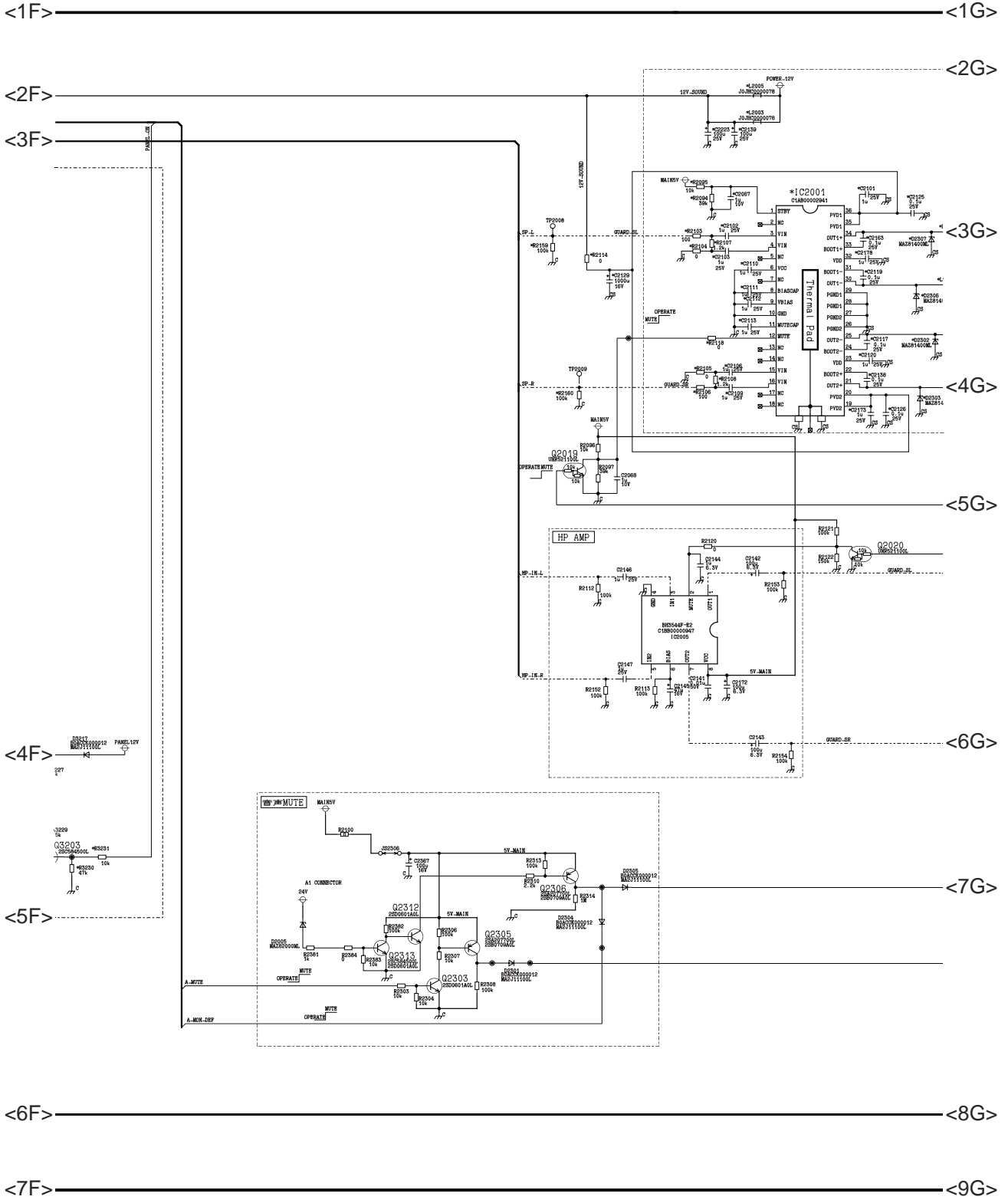
11.2.7. A Board (7 / 10)



### 11.2.8. A Board (8 / 10)

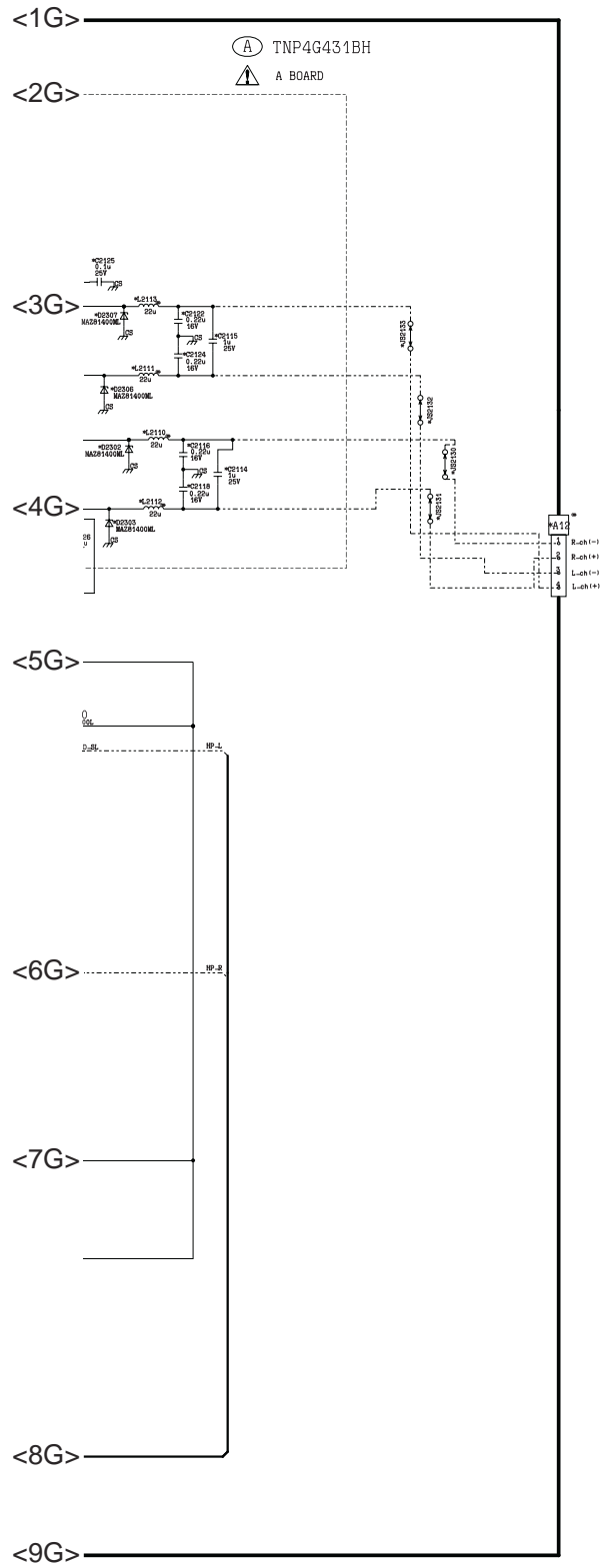


11.2.9. A Board (9 / 10)



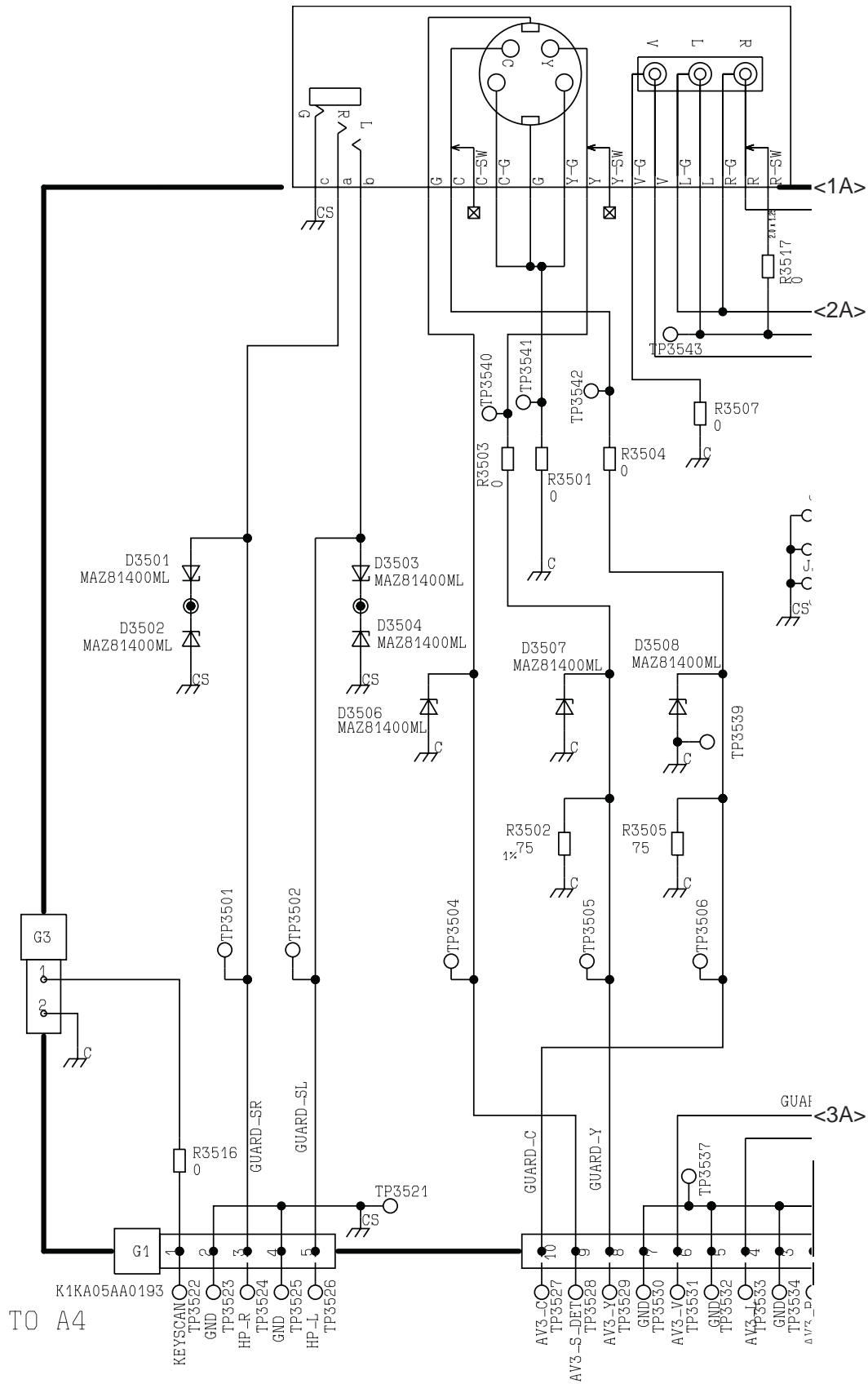


11.2.10. A Board (10 / 10)

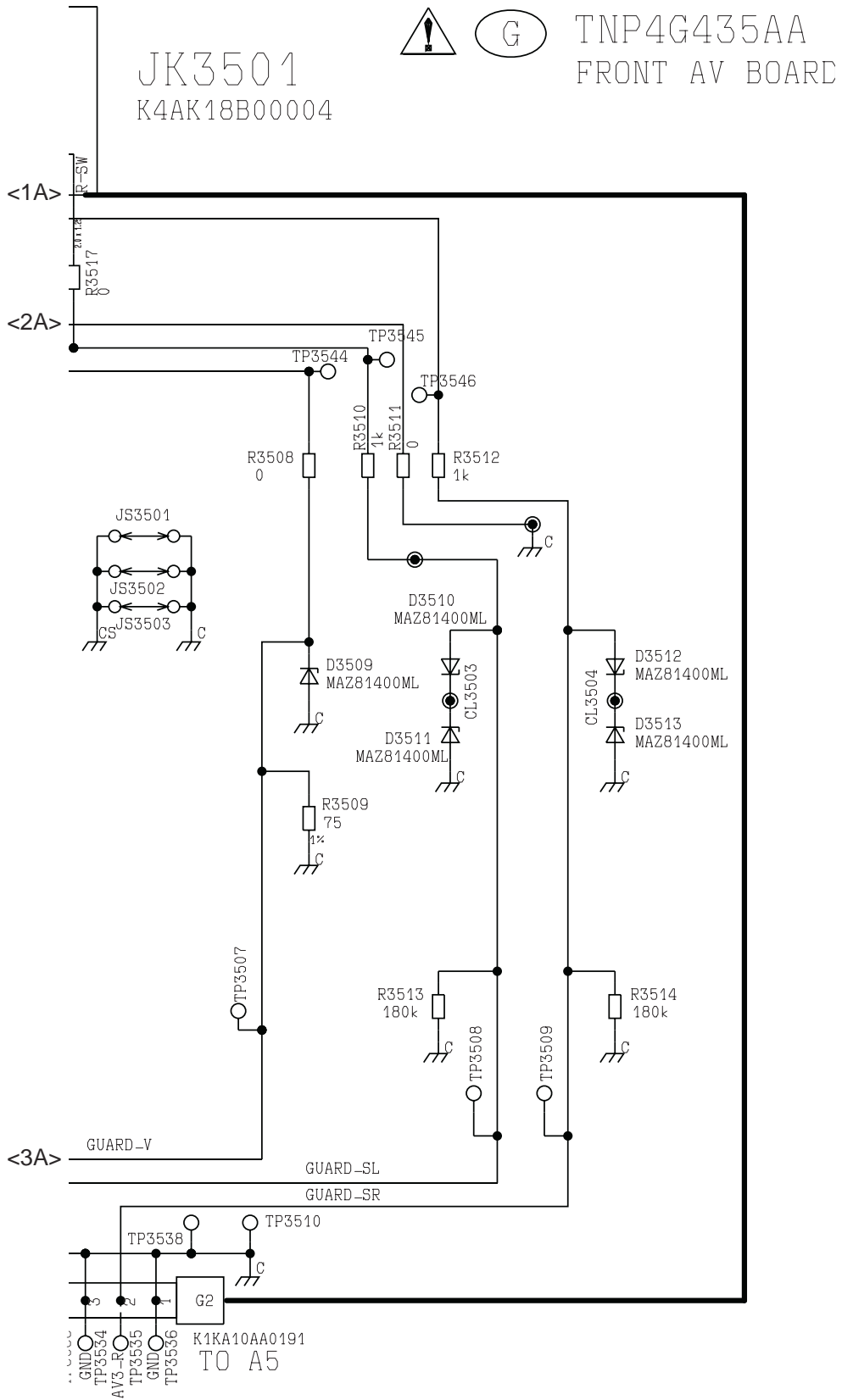


### 11.3. G Board

#### 11.3.1. G Board (1 / 2)

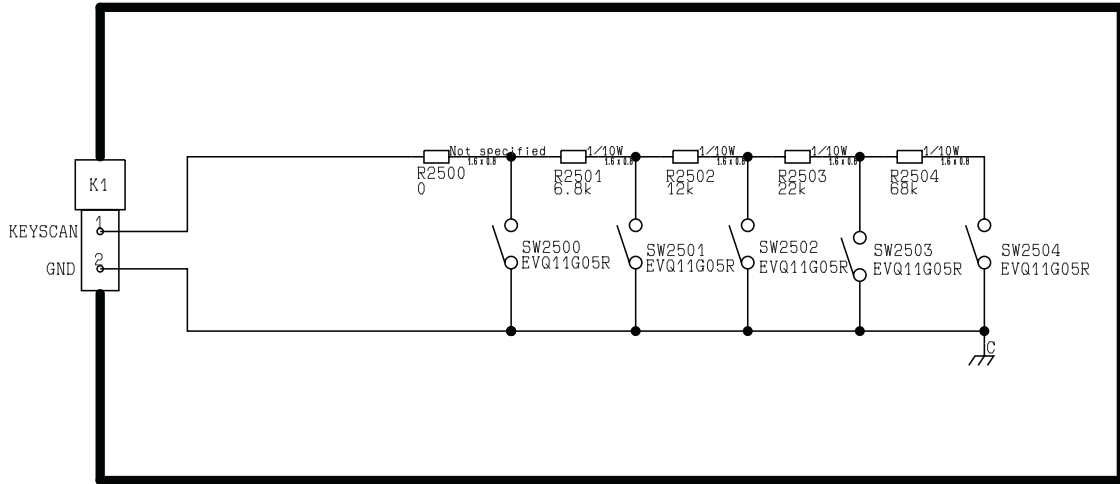


11.3.2. G Board (2 / 2)



## 11.4. K Board

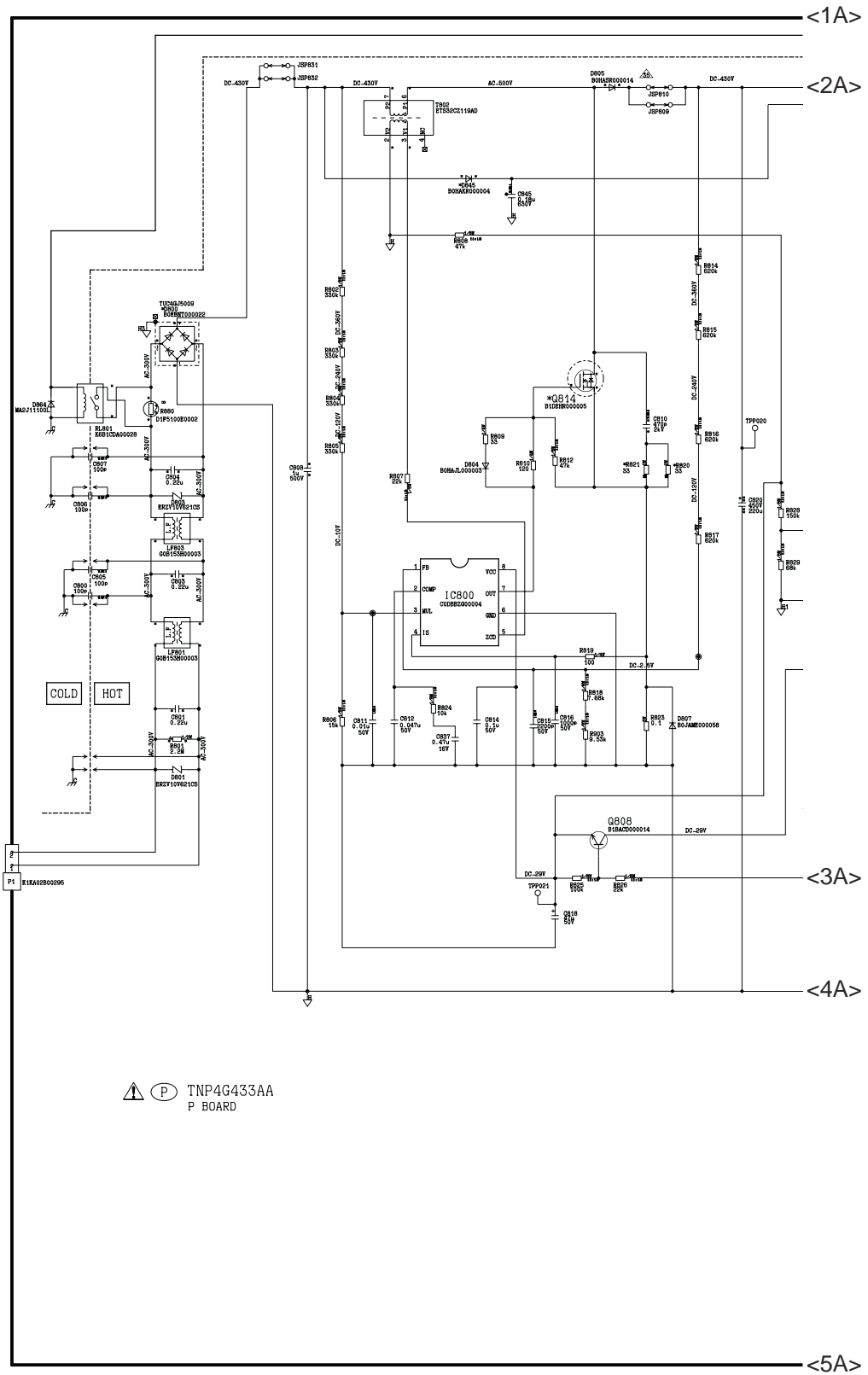
### 11.4.1. K Board (1 / 1)



TNP4G432AA  
K BOARD

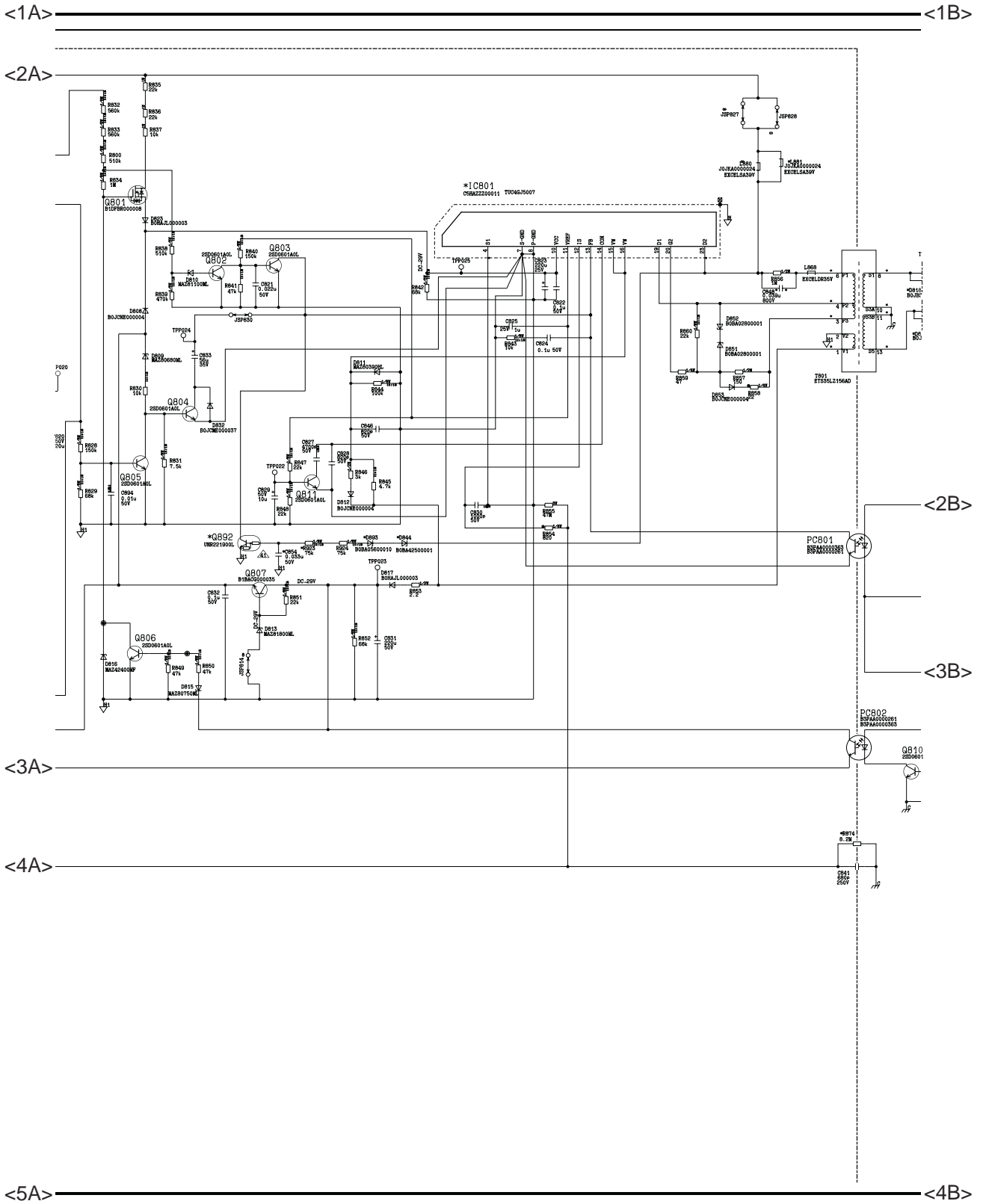
# 11.5. P Board

## 11.5.1. P Board (1 / 4)

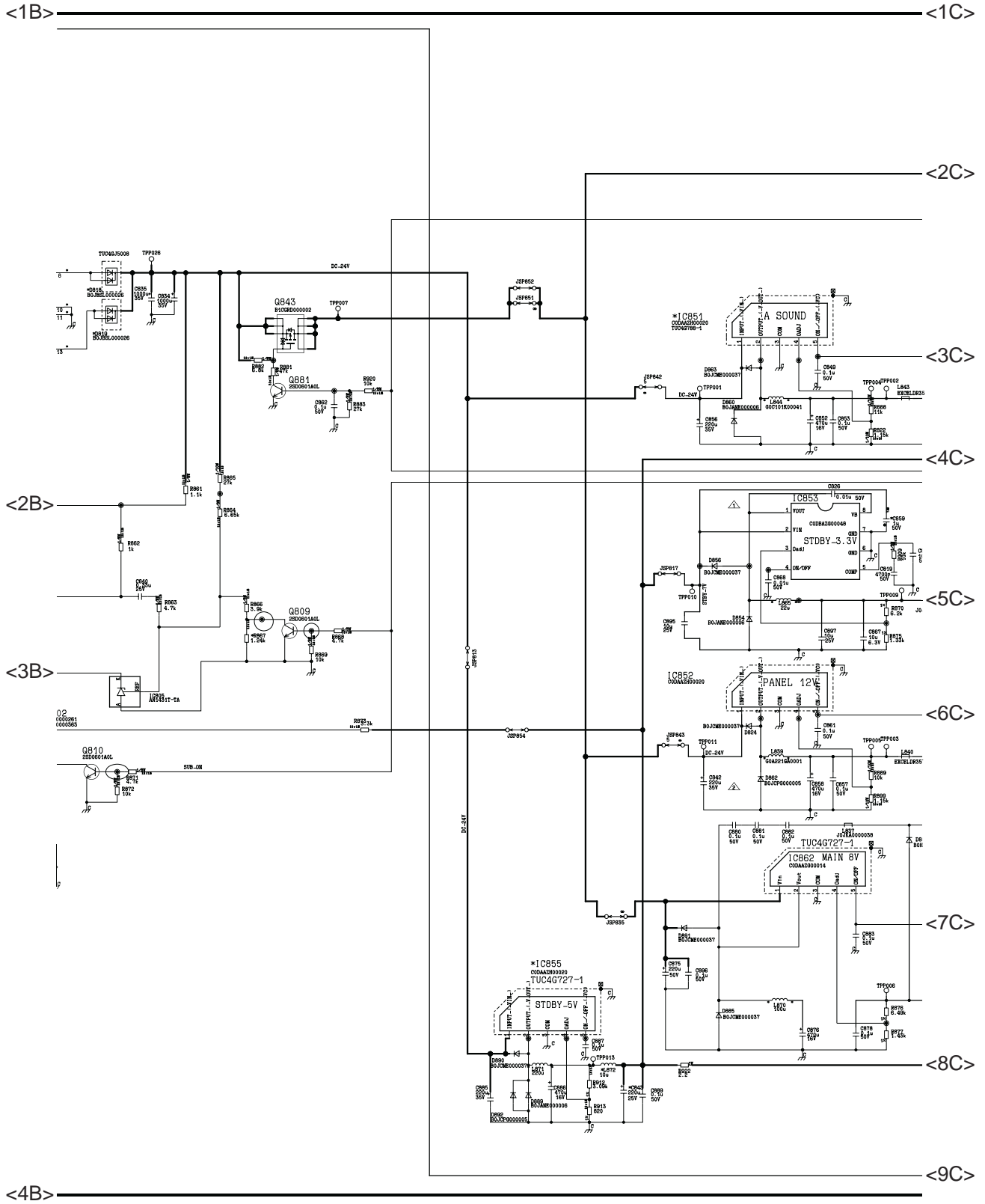


⚠ (P) TNP4G433AA  
P BOARD

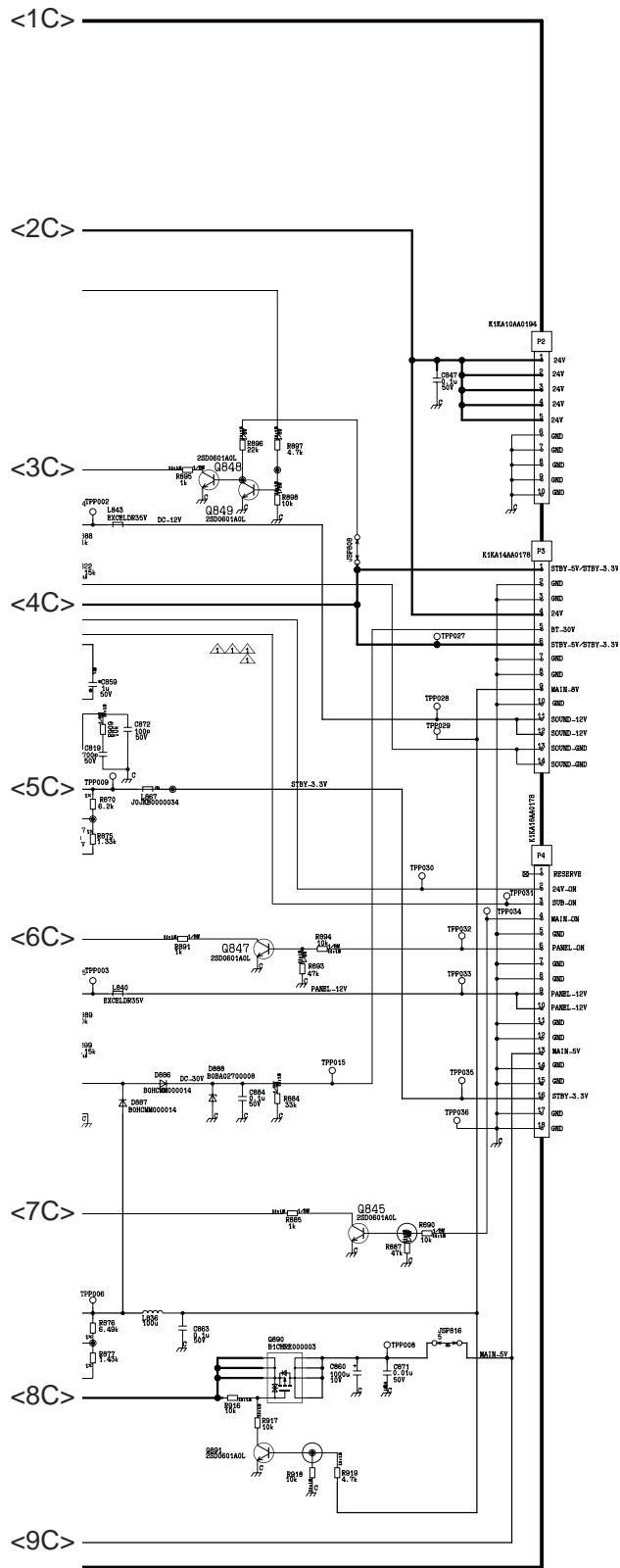
11.5.2. P Board (2 / 4)



11.5.3. P Board (3 / 4)



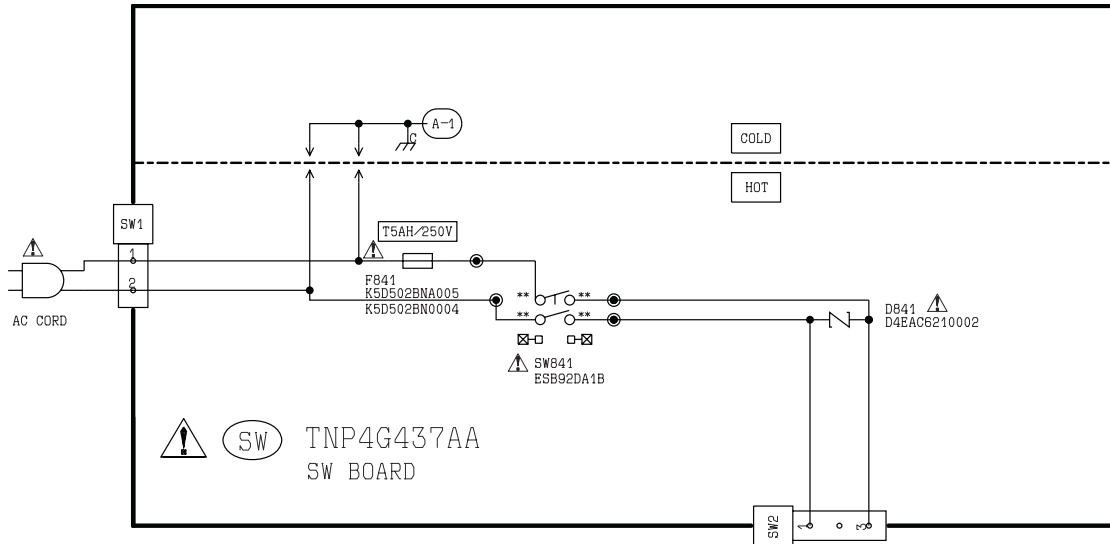
11.5.4. P Board (4 / 4)





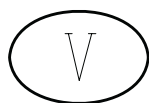
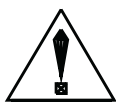
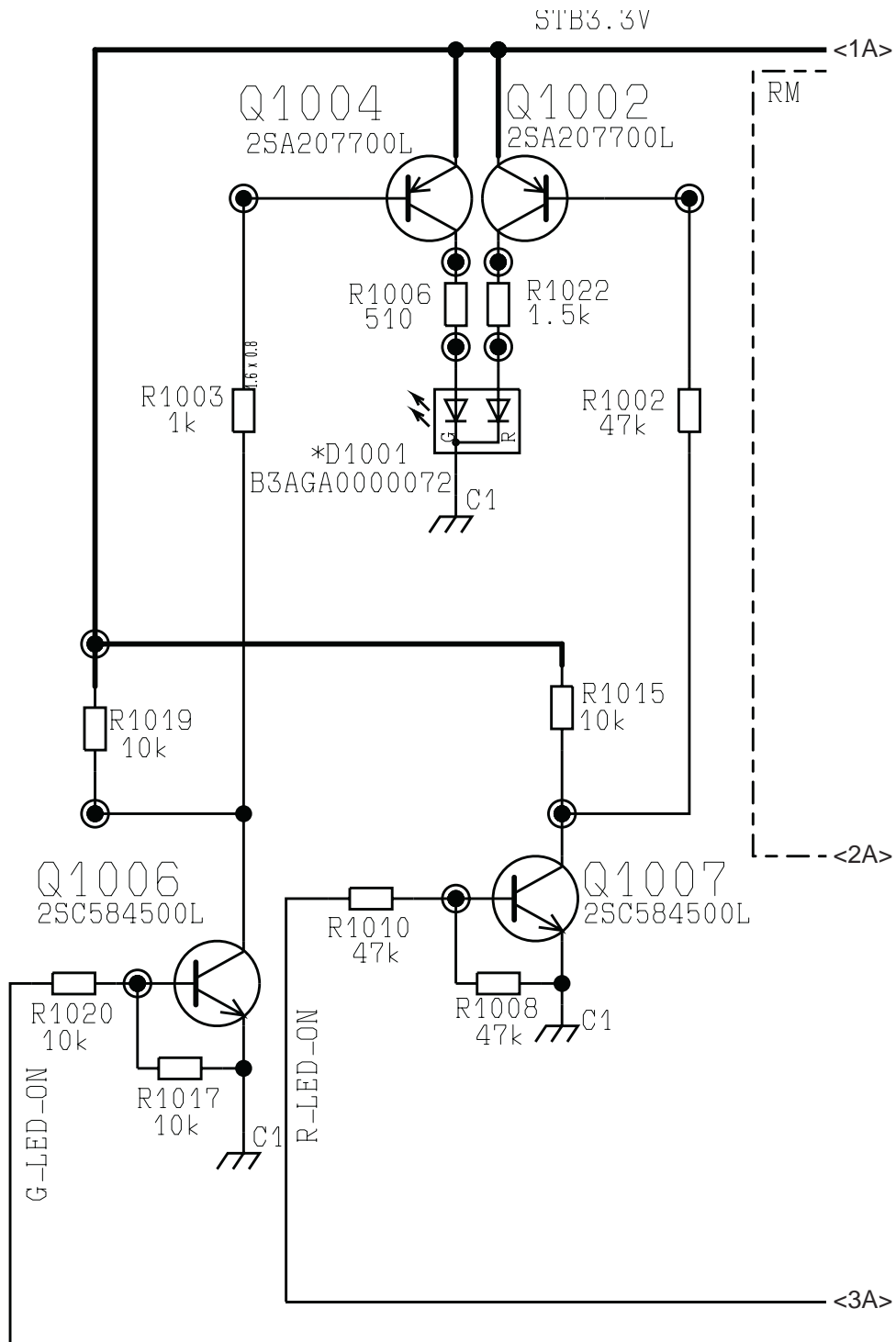
## 11.6. SW Board

### 11.6.1. SW Board (1 / 1)



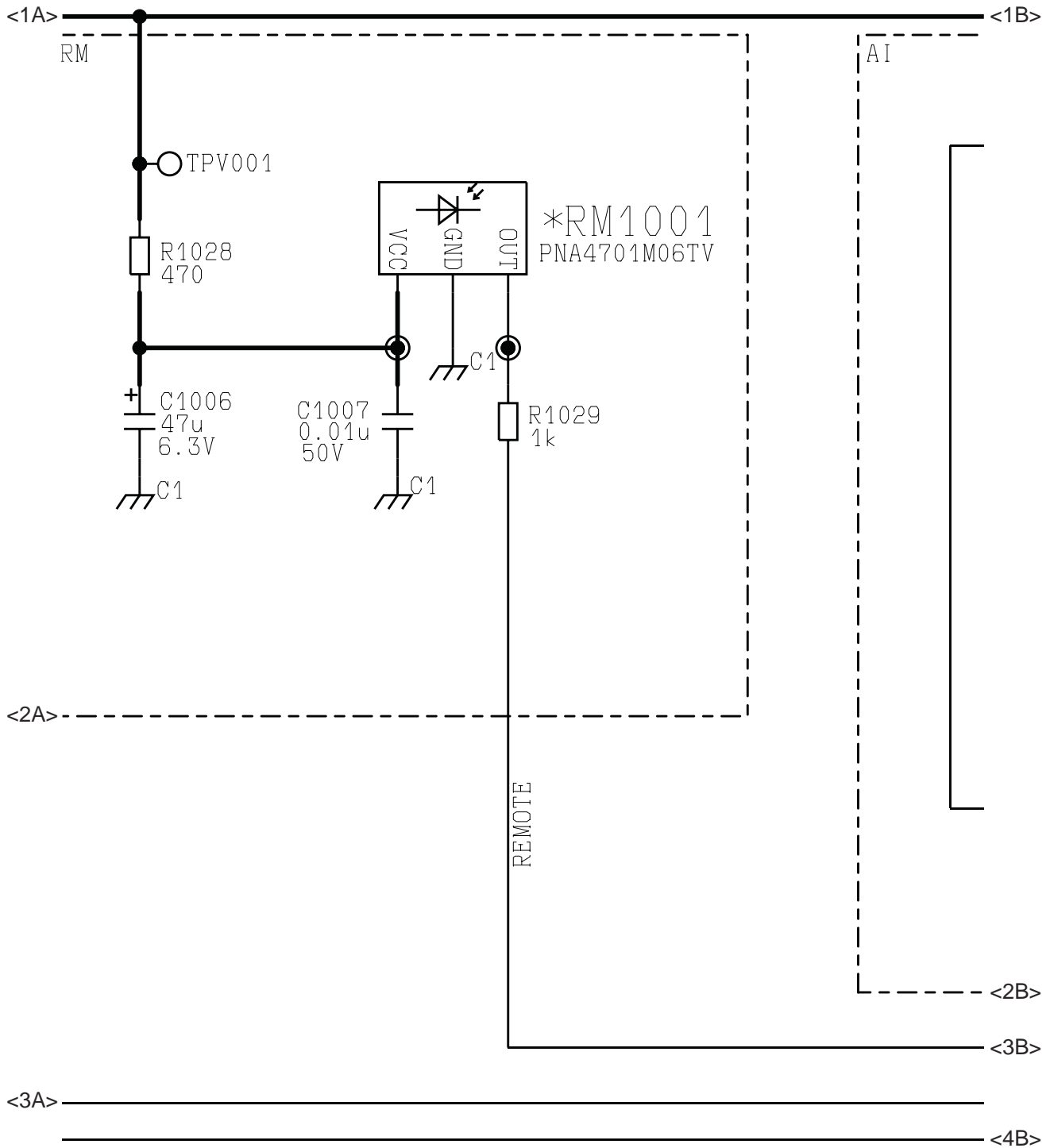
## 11.7. V Board

### 11.7.1. V Board (1 / 4)

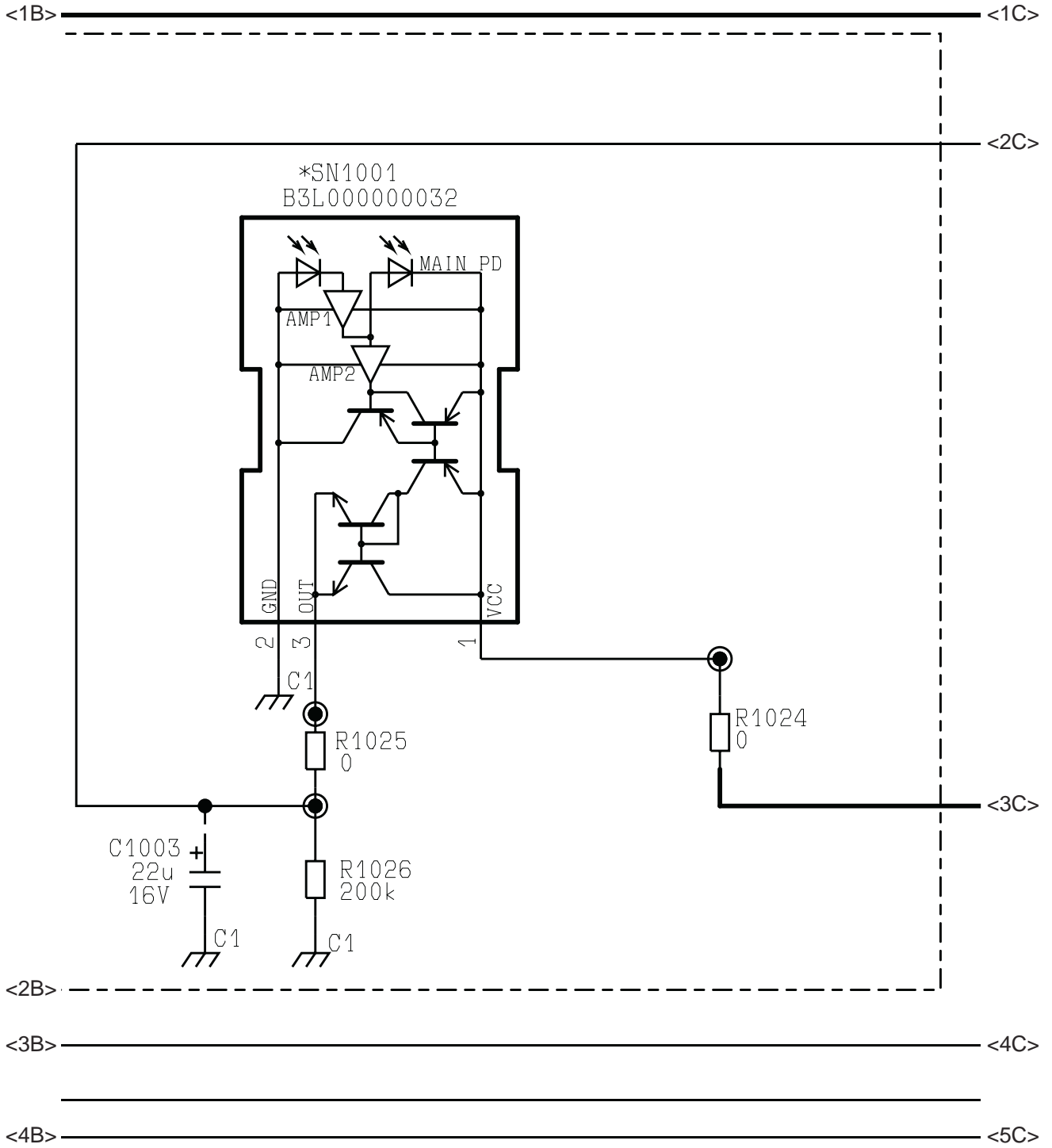


TNP4G436AA  
LED BOARD

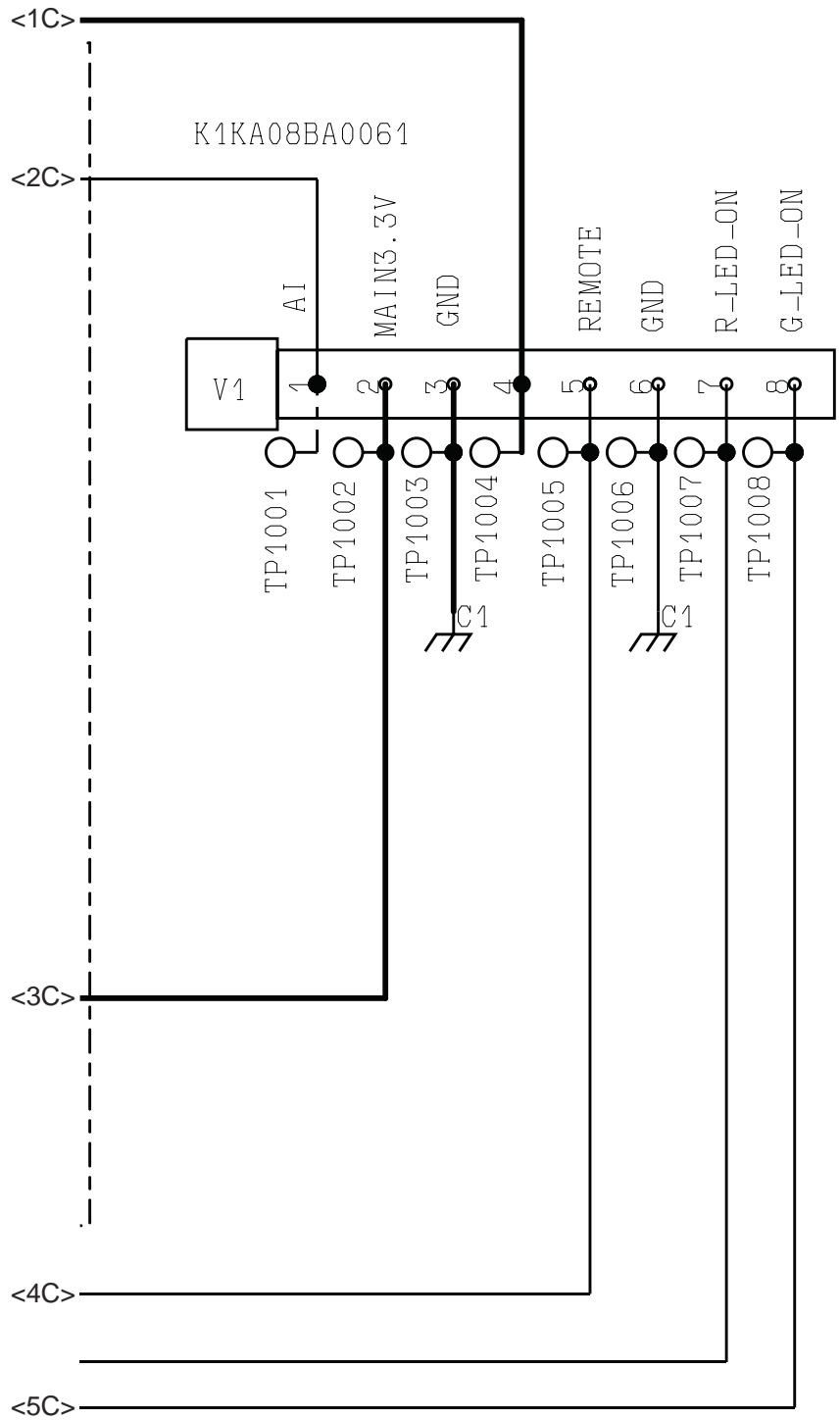
11.7.2. V Board (2 / 4)



### 11.7.3. V Board (3 / 4)

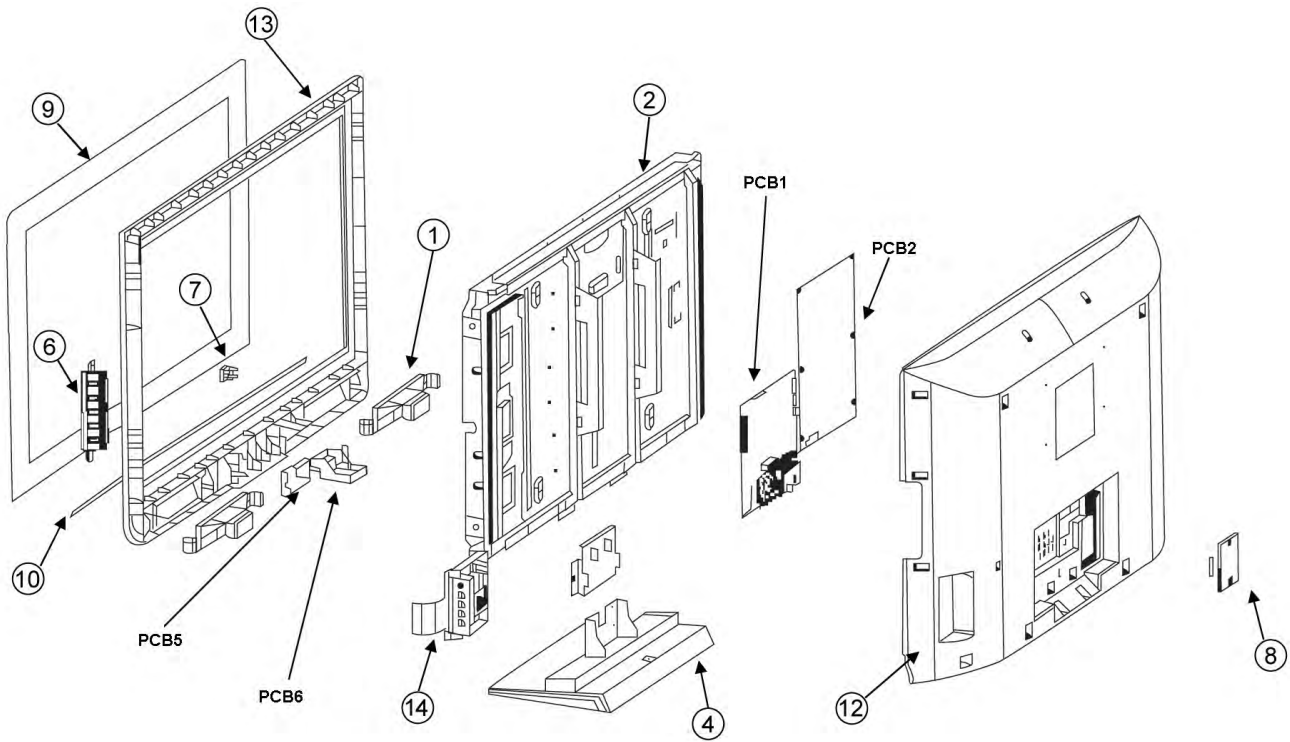


11.7.4. V Board (4 / 4)



## 12. Parts Location & Mechanical Replacement Parts List

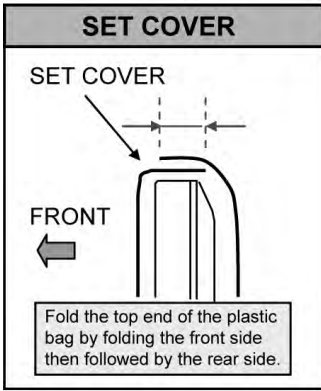
### 12.1. Parts Location



### 12.2. Mechanical Replacement Parts List

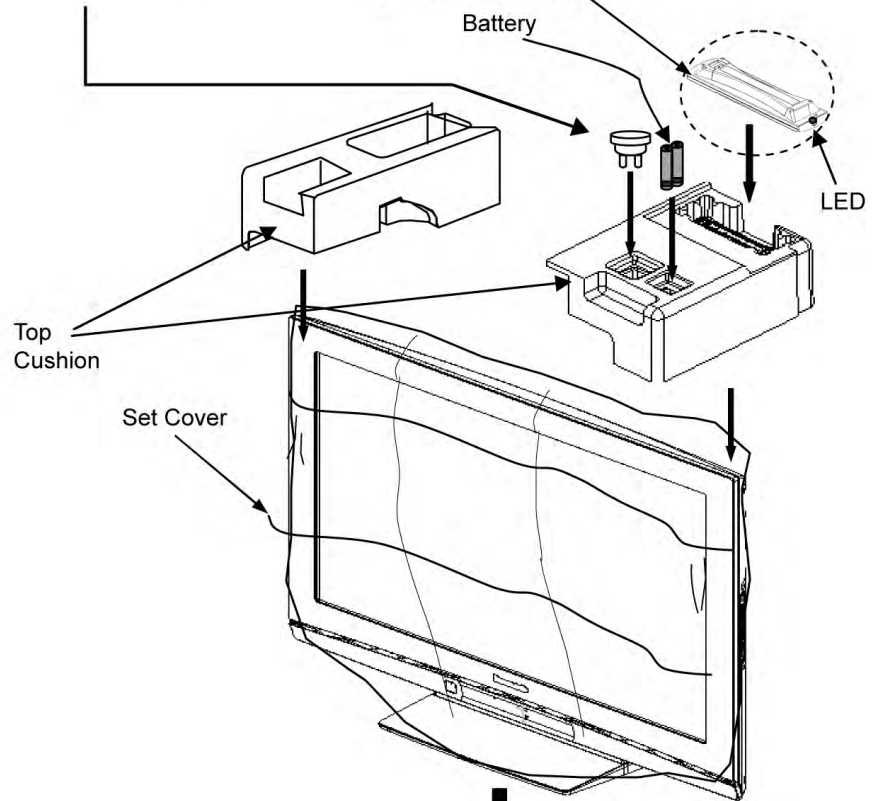
| Ref. No. | Part No.     |              | Part Name & Description         |
|----------|--------------|--------------|---------------------------------|
|          | TC-32LX80LA  | TC-32LX80LU  |                                 |
| 1        | EAS16S07B    | EAS16S07B    | SPEAKER ASSY L& R               |
| 2        | L5EDD8Q00045 | L5EDD8Q00045 | LCD PANEL ASSY 32 POL IPS Alpha |
| 3        | TNQ2B4701    | TNQ2B4701    | REMOTE CONTROL                  |
| 4        | TBL4GA0004   | TBL4GA0004   | PEDESTAL STAND                  |
| 6        | TXAKP020NCQ  | TXAKP020NCQ  | CONTROL PANEL                   |
| 7        | TBX4GA00201  | TBX4GA00201  | POWER BUTTON                    |
| 8        | TKP4G11745   | TKP4G11745   | AC CORD BRACKET                 |
| 9        | TKP4GA02101  | TKP4GA02101  | ACRYL PANEL                     |
| 10       | TKR4GA00102  | TKR4GA00102  | ORNAMENT                        |
| 12       | TTU4GA0053-A | TTU4GA0053-U | BACK COVER                      |
| 13       | TXFKY020NCQ  | TXFKY020NCQ  | CABINET                         |
| 14       | TKP4GA00301  | TKP4GA00301  | SIDE AV BRACKET                 |
|          | K2CQ2YY0008  | K2CQ2YY0008  | AC CORD                         |

# 13 Packing Exploded View

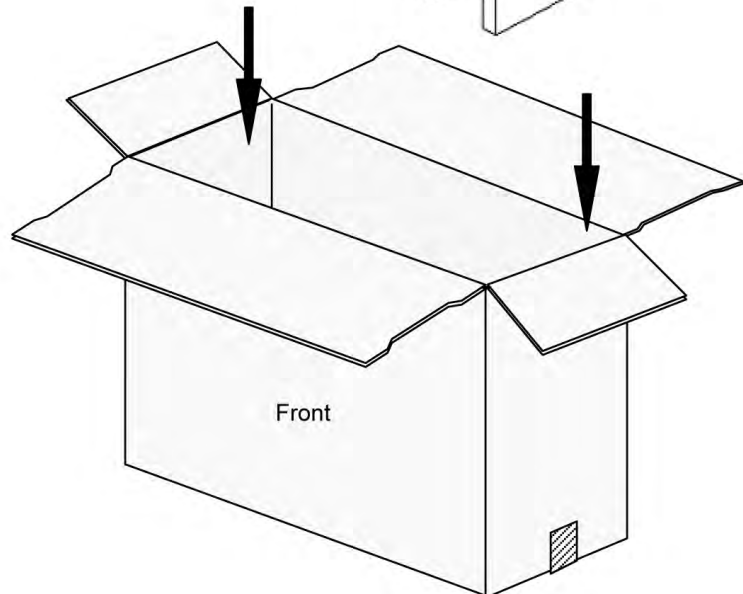
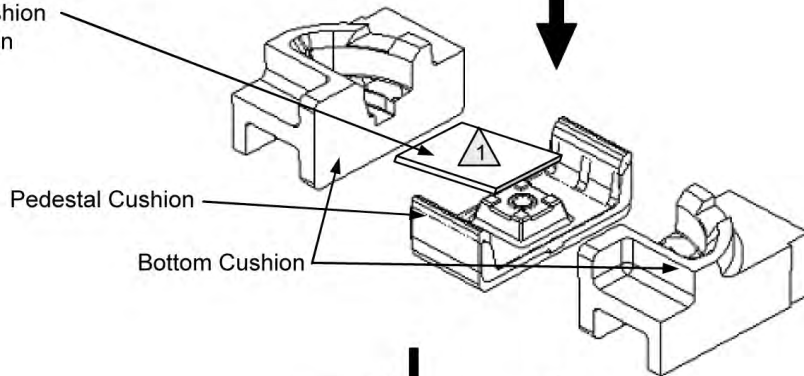


Note : Use for Middle East model only  
Translation Plug = K2DR53D00001

③ TRANSMITTER REMOTE  
(Button face down)




⑧ FAN BAG  
Insert at bottom side  
between bottom cushion  
and pedestal cushion



# 14 Replacement Parts List

## Important Safety Notice

Components identified by  mark have special characteristics important for safety.  
When replacing any of these components, use manufacturer's specified parts.

Note: Printed circuit board assembly with "NLA" is no longer available after production discontinuation of the complete set.

### Abbreviation of part name and description

#### 1. Resistor

Example :

ERD25TJ104 **C** 100 K $\Omega$ , **J**, 1/4 W  
Type Allowance

#### 2. Capacitor

Example :

ECKF1H103ZF **C** 0.01  $\mu$ F, **Z**, 50 V  
Type Allowance

| Type                          | Allowance                       |
|-------------------------------|---------------------------------|
| C : Carbon                    | F : $\pm 1\%$                   |
| F : Fuse                      | G : $\pm 2\%$                   |
| M : Metal Oxide<br>Metal Film | J : $\pm 5\%$<br>K : $\pm 10\%$ |
| S : Solid                     | M : $\pm 20\%$                  |
| W : Wire Wound                |                                 |

| Type                           | Allowance   |
|--------------------------------|---|
| C : Carbon                     | C : $\pm 0.25$ pF   |
| E : Electrolytic               | D : $\pm 0.5$ pF  |
| P : Polyester<br>Polypropylene | F : $\pm 1$ pF<br>G : $\pm 3\%$   |
| T : Tantalum                   | J : $\pm 5\%$<br>K : $\pm 10\%$<br>L : $\pm 15\%$<br>M : $\pm 20\%$<br>P : $\pm 100\%$ , -0%<br>Z : $\pm 80\%$ , -20% |



## 14.1. Electrical Replacement Parts List

| Ref. No.                | Part No.     |              | Part Name & Description                                    |
|-------------------------|--------------|--------------|--|
|                         | TC-32LX80LA  | TC-32LX80LU  |  |
| <b>ASSEMBLED P.C.B.</b> |              |              |  |
| PCB1                    | TNP4G431BM   | TNP4G431BN   | "A" P.C.B.   |
| PCB2                    | TNP4G433AK   | TNP4G433AK   | "P" P.C.B.   |
| PCB3                    | TNP4G432AA   | TNP4G432AA   | "K" P.C.B.   |
| PCB4                    | TNP4G435AA   | TNP4G435AA   | "G" P.C.B.   |
| PCB5                    | TNP4G436AA   | TNP4G436AA   | "V" P.C.B.   |
| PCB6                    | TNP4G437AA   | TNP4G437AA   | "SW" P.C.B.  |
| <b>CAPACITORS</b>       |              |              |  |
| C1003                   | ECEA1CKS220B | ECEA1CKS220B | E ALUMINIUM 22 $\mu$ F 16V 20%                             |
| C1006                   | ECEA0JKS470B | ECEA0JKS470B | E ALUMINIUM 47 $\mu$ F 6,3 V 20%                           |
| C1007                   | ECJ1VB1H103K | ECJ1VB1H103K | SMD CERAMIC CAPACITOR 10 nF 50V 10%                        |
| C1168                   | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                       |
| C1181                   | ECJ1VB1H102K | ECJ1VB1H102K | SMD CERAMIC CAPACITOR L=1.60 W=0.80 H=0.80 MM 1 nF 50V 10% |
| C1182                   | ECJ1VB1H102K | ECJ1VB1H102K | SMD CERAMIC CAPACITOR L=1.60 W=0.80 H=0.80 MM 1 nF 50V 10% |
| C1185                   | ECJ1VB1H102K | ECJ1VB1H102K | SMD CERAMIC CAPACITOR L=1.60 W=0.80 H=0.80 MM 1 nF 50V 10% |
| C1186                   | ECJ1VB1H102K | ECJ1VB1H102K | SMD CERAMIC CAPACITOR L=1.60 W=0.80 H=0.80 MM 1 nF 50V 10% |
| C1801                   | ECJ1VB1H103K | ECJ1VB1H103K | SMD CERAMIC CAPACITOR 10 nF 50V 10%                        |
| C1802                   | ECJ1VB1H472K | ECJ1VB1H472K | SMD CERAMIC CAPACITOR 4,70 nF 50V 10%                      |
| C1803                   | ECJ1VC1H101J | ECJ1VC1H101J | SMD CERAMIC CAPACITOR 100 PF 50V 5%                        |
| C1804                   | ECJ1VB1H103K | ECJ1VB1H103K | SMD CERAMIC CAPACITOR 10 nF 50V 10%                        |
| C1822                   | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 $\mu$ F 10V 10%                 |
| C1828                   | F2G1C470A022 | F2G1C470A022 | E ALUMINIUM SMD 47 $\mu$ F 16V 20%                         |
| C1831                   | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 $\mu$ F 10V 10%                 |
| C1834                   | ECJ2FB1C474K | ECJ2FB1C474K | SMD CERAMIC CAPACITOR 0,47 $\mu$ F 16V 10%                 |
| C1835                   | F1H1C5630001 | F1H1C5630001 | SMD CERAMIC CAPACITOR 56 nF 16V 10%                        |
| C1836                   | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                       |
| C1837                   | F1H1H103A013 | F1H1H103A013 | SMD CERAMIC CAPACITOR 10 nF 50V 10%                        |
| C1839                   | ECJ1VC1H101J | ECJ1VC1H101J | SMD CERAMIC CAPACITOR 100 PF 50V 5%                        |
| C1840                   | ECJ1VF1A105Z | ECJ1VF1A105Z | SMD CERAMIC CAPACITOR 1 $\mu$ F 10V +80 -20 %              |
| C1842                   | F1H0J1050013 | F1H0J1050013 | SMD CERAMIC CAPACITOR SMD 1 $\mu$ F 6,3 V 10%              |
| C1843                   | F1H0J1050013 | F1H0J1050013 | SMD CERAMIC CAPACITOR SMD 1 $\mu$ F 6,3 V 10%              |
| C1844                   | EEEHB0G470R  | EEEHB0G470R  | E SMD 47 $\mu$ F 4V 20%                                    |
| C1845                   | EEEHB0G470R  | EEEHB0G470R  | E SMD 47 $\mu$ F 4V 20%                                    |
| C1850                   | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 $\mu$ F 10V 10%                 |
| C1851                   | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 $\mu$ F 10V 10%                 |
| C1852                   | EEEHB0G470R  | EEEHB0G470R  | E SMD 47 $\mu$ F 4V 20%                                    |
| C1853                   | EEEHB0G470R  | EEEHB0G470R  | E SMD 47 $\mu$ F 4V 20%                                    |
| C1854                   | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C1855                   | F2A1C101A310 | F2A1C101A310 | E 100 $\mu$ F 16V 20%                                      |
| C1856                   | EEUFC1A471B  | EEUFC1A471B  | E 470 $\mu$ F 10V 20%                                      |
| C1858                   | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                       |
| C1865                   | ECJ1VF1A105Z | ECJ1VF1A105Z | SMD CERAMIC CAPACITOR 1 $\mu$ F 10V +80 -20 %              |
| C1866                   | ECJ1VF1A105Z | ECJ1VF1A105Z | SMD CERAMIC CAPACITOR 1 $\mu$ F 10V +80 -20 %              |
| C1867                   | ECJ1VF1A105Z | ECJ1VF1A105Z | SMD CERAMIC CAPACITOR 1 $\mu$ F 10V +80 -20 %              |
| C1868                   | ECJ1VF1A105Z | ECJ1VF1A105Z | SMD CERAMIC CAPACITOR 1 $\mu$ F 10V +80 -20 %              |
| C1869                   | F2G1C470A022 | F2G1C470A022 | E ALUMINIUM SMD 47 $\mu$ F 16V 20%                         |
| C1870                   | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                       |
| C1951                   | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C1952                   | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |

| Ref. No. | Part No.     |              | Part Name & Description                           |
|----------|--------------|--------------|---|
|          | TC-32LX80LA  | TC-32LX80LU  |   |
| C1954    | F2G0J101A019 | F2G0J101A019 | E SMD 100 µF 6,3 V 20%                            |
| C2067    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                |
| C2068    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                |
| C2101    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2102    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2103    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2106    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2109    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2110    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2111    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2112    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2113    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2114    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2115    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2116    | ECJ1VB1C224K | ECJ1VB1C224K | SMD CERAMIC CAPACITOR CERÂMICO SMD 220 nF 16V 10% |
| C2117    | ECJ1VB1E104K | ECJ1VB1E104K | SMD CERAMIC CAPACITOR 100 nF 25V 10%              |
| C2118    | ECJ1VB1C224K | ECJ1VB1C224K | SMD CERAMIC CAPACITOR CERÂMICO SMD 220 nF 16V 10% |
| C2119    | ECJ1VB1E104K | ECJ1VB1E104K | SMD CERAMIC CAPACITOR 100 nF 25V 10%              |
| C2120    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2122    | ECJ1VB1C224K | ECJ1VB1C224K | SMD CERAMIC CAPACITOR CERÂMICO SMD 220 nF 16V 10% |
| C2124    | ECJ1VB1C224K | ECJ1VB1C224K | SMD CERAMIC CAPACITOR CERÂMICO SMD 220 nF 16V 10% |
| C2125    | ECJ1VB1E104K | ECJ1VB1E104K | SMD CERAMIC CAPACITOR 100 nF 25V 10%              |
| C2126    | ECJ1VB1E104K | ECJ1VB1E104K | SMD CERAMIC CAPACITOR 100 nF 25V 10%              |
| C2129    | F2A1C102A252 | F2A1C102A252 | E 1.000 µF 16V 20%                                |
| C2138    | ECJ1VB1E104K | ECJ1VB1E104K | SMD CERAMIC CAPACITOR 100 nF 25V 10%              |
| C2139    | F2A1E1010073 | F2A1E1010073 | E ALUMINIUM 100 µF 25V 20%                        |
| C2141    | F1H1H103A013 | F1H1H103A013 | SMD CERAMIC CAPACITOR 10 nF 50V 10%               |
| C2142    | F2G0J101A019 | F2G0J101A019 | E SMD 100 µF 6,3 V 20%                            |
| C2143    | F2G0J101A019 | F2G0J101A019 | E SMD 100 µF 6,3 V 20%                            |
| C2144    | F1H0J1050013 | F1H0J1050013 | SMD CERAMIC CAPACITOR 1 µF 6,3 V 10%              |
| C2145    | F2G1C470A022 | F2G1C470A022 | E ALUMINIUM SMD 47 µF 16V 20%                     |
| C2146    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2147    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2163    | ECJ1VB1E104K | ECJ1VB1E104K | SMD CERAMIC CAPACITOR 100 nF 25V 10%              |
| C2172    | F2G0J101A019 | F2G0J101A019 | E SMD 100 µF 6,3 V 20%                            |
| C2173    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2178    | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                |
| C2223    | F2A1E1010073 | F2A1E1010073 | E ALUMINIUM 100 µF 25V 20%                        |
| C2367    | EEEHB1C101UP | EEEHB1C101UP | E SMD 100 µF 16V 20%                              |
| C3064    | EEEHB0J331UP | EEEHB0J331UP | E SMD 330 µF 6,3 V 20%                            |
| C3065    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%              |
| C3067    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%             |
| C3073    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                |
| C3076    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                |
| C3077    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                |
| C3200    | ECJ1VB0J225K | ECJ1VB0J225K | SMD CERAMIC CAPACITOR 2,20 µF 6,3 V 10%           |
| C3202    | EEEHB1C101UP | EEEHB1C101UP | E SMD 100 µF 16V 20%                              |
| C3203    | ECJ1VB1C224K | ECJ1VB1C224K | SMD CERAMIC CAPACITOR CERÂMICO SMD 220 nF 16V 10% |
| C3204    | F2G1C470A022 | F2G1C470A022 | E ALUMINIUM SMD 47 µF 16V 20%                     |
| C3516    | ECJ1VB0J475K | ECJ1VB0J475K | SMD CERAMIC CAPACITOR 4,70 µF 6,3 V 10%           |

| Ref. No. | Part No.     |              | Part Name & Description                                     |
|----------|--------------|--------------|---|
|          | TC-32LX80LA  | TC-32LX80LU  |   |
| C3863    | ECJ1VF1A105Z | ECJ1VF1A105Z | SMD CERAMIC CAPACITOR 1 µF 10V +80 -20 %                    |
| C3866    | F2G0J101A019 | F2G0J101A019 | E SMD 100 µF 6,3 V 20%                                      |
| C3867    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C3870    | ECJ1VF1H104Z | ECJ1VF1H104Z | SMD CERAMIC CAPACITOR 100 nF 50V +80 -20 %                  |
| C3873    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C3874    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4001    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4004    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4005    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4006    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4008    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4009    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                       |
| C4014    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4015    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4016    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4017    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4018    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4019    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                       |
| C4020    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                       |
| C4021    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                       |
| C4022    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                       |
| C4023    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                       |
| C4024    | ECJ1VF1A105Z | ECJ1VF1A105Z | SMD CERAMIC CAPACITOR 1 µF 10V +80 -20 %                    |
| C4025    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4027    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4029    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4030    | ECJ1VF1A105Z | ECJ1VF1A105Z | SMD CERAMIC CAPACITOR 1 µF 10V +80 -20 %                    |
| C4031    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4033    | ECJ0EC1H101J | ECJ0EC1H101J | SMD CERAMIC CAPACITOR L=1.00 W=0.50 H=0.50 MM 100 PF 50V 5% |
| C4034    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                       |
| C4035    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                       |
| C4036    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                          |
| C4037    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                          |
| C4038    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                          |
| C4039    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                          |
| C4040    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                          |
| C4041    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                          |
| C4042    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                       |
| C4043    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                          |
| C4044    | ECJ1VB1A105K | ECJ1VB1A105K | SMD CERAMIC CAPACITOR 1 µF 10V 10%                          |
| C4045    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                       |
| C4046    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                       |
| C4049    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                       |
| C4050    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                       |
| C4051    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                        |
| C4052    | ECJ1VC1H560J | ECJ1VC1H560J | SMD CERAMIC CAPACITOR 56 PF 50V 5%                          |
| C4053    | ECJ1VC1H560J | ECJ1VC1H560J | SMD CERAMIC CAPACITOR 56 PF 50V 5% NP0                      |
| C4054    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                       |
| C4055    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                       |
| C4056    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                       |

| Ref. No. | Part No.     |              | Part Name & Description                                    |
|----------|--------------|--------------|--|
|          | TC-32LX80LA  | TC-32LX80LU  |  |
| C4057    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4058    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                      |
| C4059    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                      |
| C4060    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                      |
| C4061    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                       |
| C4062    | F2G1C470A022 | F2G1C470A022 | E ALUMINIUM SMD 47 µF 16V 20%                              |
| C4064    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                      |
| C4065    | ECJ0EB1H102K | ECJ0EB1H102K | SMD CERAMIC CAPACITOR L=1.00 W=0.50 H=0.50 MM 1 nF 50V 10% |
| C4066    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                      |
| C4067    | F1G1A1040006 | F1G1A1040006 | SMD CERAMIC CAPACITOR 0,10 µF 10V 10%                      |
| C4068    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4071    | ECJ1VC1H180J | ECJ1VC1H180J | SMD CERAMIC CAPACITOR 18 PF 50V 5% NP0                     |
| C4072    | ECJ1VC1H180J | ECJ1VC1H180J | SMD CERAMIC CAPACITOR 18 PF 50V 5% NP0                     |
| C4075    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4079    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                       |
| C4081    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                       |
| C4083    | ECJ0EB1H102K | ECJ0EB1H102K | SMD CERAMIC CAPACITOR L=1.00 W=0.50 H=0.50 MM 1 nF 50V 10% |
| C4095    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4096    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                       |
| C4098    | ECJ1VB1H102K | ECJ1VB1H102K | SMD CERAMIC CAPACITOR L=1.60 W=0.80 H=0.80 MM 1 nF 50V 10% |
| C4099    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4102    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4103    | ECJ0EC1H120J | ECJ0EC1H120J | SMD CERAMIC CAPACITOR L=1.00 W=0.50 H=0.50 MM 12 PF 50V 5% |
| C4104    | ECJ0EC1H220J | ECJ0EC1H220J | SMD CERAMIC CAPACITOR L=1.00 W=0.50 H=0.50 MM 22 PF 50V 5% |
| C4105    | ECJ0EC1H220J | ECJ0EC1H220J | SMD CERAMIC CAPACITOR L=1.00 W=0.50 H=0.50 MM 22 PF 50V 5% |
| C4109    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                       |
| C4110    | ECJ2FB1A335K | ECJ2FB1A335K | SMD CERAMIC CAPACITOR 3,30 µF 10V 10%                      |
| C4111    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4112    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                       |
| C4114    | EEFCD0G560ER | EEFCD0G560ER | E SMD 56 µF 4V 20%   |
| C4115    | EEFCD0G560ER | EEFCD0G560ER | E SMD 56 µF 4V 20%   |
| C4117    | ECJ1VC1H220J | ECJ1VC1H220J | SMD CERAMIC CAPACITOR 22 PF 50V 5%                         |
| C4118    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4119    | ECJ0EC1H560J | ECJ0EC1H560J | SMD CERAMIC CAPACITOR L=1.00 W=0.50 H=0.50 MM 56 PF 50V 5% |
| C4122    | ECJ1VF1C104Z | ECJ1VF1C104Z | SMD CERAMIC CAPACITOR 100 nF 16V +80 -20 %                 |
| C4123    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                       |
| C4125    | F4Z0G6860002 | F4Z0G6860002 | E 68 µF 4V 20%   |
| C4127    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4128    | F2H1C470A009 | F2H1C470A009 | E ALUMINIUM SMD 47 µF 16V 20%                              |
| C4129    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4130    | ECJ1VC1H120J | ECJ1VC1H120J | SMD CERAMIC CAPACITOR 12 PF 50V 5% NP0                     |
| C4131    | ECJ1VC1H120J | ECJ1VC1H120J | SMD CERAMIC CAPACITOR 12 PF 50V 5% NP0                     |
| C4132    | ECJ1VB1H102K | ECJ1VB1H102K | SMD CERAMIC CAPACITOR L=1.60 W=0.80 H=0.80 MM 1 nF 50V 10% |
| C4134    | ECJ1VB0J105K | ECJ1VB0J105K | SMD CERAMIC CAPACITOR 1 µF 6,3 V 10%                       |
| C4135    | F1H1H103A013 | F1H1H103A013 | SMD CERAMIC CAPACITOR 10 nF 50V 10%                        |
| C4148    | ECJ2FB0J106M | ECJ2FB0J106M | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4149    | ECJ2FB0J106M | ECJ2FB0J106M | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4182    | ECJ2FB0J106M | ECJ2FB0J106M | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4183    | ECJ2FB0J106M | ECJ2FB0J106M | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C4331    | F2G1C100A022 | F2G1C100A022 | E ALUMINIUM SMD 10 µF 16V 20%                              |

| Ref. No. | Part No.     |              | Part Name & Description   |
|----------|--------------|--------------|---|
|          | TC-32LX80LA  | TC-32LX80LU  |   |
| C4332    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                              |
| C4502    | F2G1C470A022 | F2G1C470A022 | E ALUMINIUM SMD 47 µF 16V 20%                                     |
| C4807    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                              |
| C4808    | F1H1C104A001 | F1H1C104A001 | SMD CERAMIC CAPACITOR 100 nF 16V 10%                              |
| C5005    | ECJ1VF1A105Z | ECJ1VF1A105Z | SMD CERAMIC CAPACITOR 1 µF 10V +80 -20 %                          |
| C5006    | ECJ1VF1A105Z | ECJ1VF1A105Z | SMD CERAMIC CAPACITOR 1 µF 10V +80 -20 %                          |
| C5007    | ECJ1VF1C104Z | ECJ1VF1C104Z | SMD CERAMIC CAPACITOR 100 nF 16V +80 -20 %                        |
| C5009    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                             |
| C5010    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                             |
| C5016    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                             |
| C5018    | ECJ1VF1C104Z | ECJ1VF1C104Z | SMD CERAMIC CAPACITOR 100 nF 16V +80 -20 %                        |
| C5020    | ECJ1VF1C104Z | ECJ1VF1C104Z | SMD CERAMIC CAPACITOR 100 nF 16V +80 -20 %                        |
| C5021    | ECJ1VF1H103Z | ECJ1VF1H103Z | SMD CERAMIC CAPACITOR L=1.60 W=0.80 H=0.80 MM 10 nF 50V +80 -20 % |
| C5022    | ECJ1VF1C104Z | ECJ1VF1C104Z | SMD CERAMIC CAPACITOR 100 nF 16V +80 -20 %                        |
| C5023    | ECJ1VF1H103Z | ECJ1VF1H103Z | SMD CERAMIC CAPACITOR L=1.60 W=0.80 H=0.80 MM 10 nF 50V +80 -20 % |
| C5026    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                             |
| C5027    | ECJ1VF1C104Z | ECJ1VF1C104Z | SMD CERAMIC CAPACITOR 100 nF 16V +80 -20 %                        |
| C5030    | ECJ1VC1H150J | ECJ1VC1H150J | SMD CERAMIC CAPACITOR 15 PF 50V 5% NP0                            |
| C5034    | ECJ1VC1H150J | ECJ1VC1H150J | SMD CERAMIC CAPACITOR 15 PF 50V 5% NP0                            |
| C5036    | ECJ1VF1C104Z | ECJ1VF1C104Z | SMD CERAMIC CAPACITOR 100 nF 16V +80 -20 %                        |
| C5042    | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                             |
| C5049    | ECJ2FB0J225K | ECJ2FB0J225K | SMD CERAMIC CAPACITOR 2,20 µF 6,3 V 10%                           |
| C5050    | ECJ1VC1H471J | ECJ1VC1H471J | SMD CERAMIC CAPACITOR 470 PF 50V 5% NP0                           |
| C5051    | F1H0J1050013 | F1H0J1050013 | SMD CERAMIC CAPACITOR SMD 1 µF 6,3 V 10%                          |
| C5054    | ECJ1VC1H101J | ECJ1VC1H101J | SMD CERAMIC CAPACITOR 100 PF 50V 5%                               |
| C5056    | ECJ1VF1C104Z | ECJ1VF1C104Z | SMD CERAMIC CAPACITOR 100 nF 16V +80 -20 %                        |
| C800     | ECKCNA101MB7 | ECKCNA101MB7 | CERAMIC CAPACITOR DISCO RADIAL 100 PF 4.000V 20%                  |
| C801     | F0CAF224A066 | F0CAF224A066 | CAPACITOR DE POLIPROPILENO 0,22 µF 250V 20%                       |
| C803     | F0CAF224A066 | F0CAF224A066 | CAPACITOR DE POLIPROPILENO 0,22 µF 250V 20%                       |
| C804     | F0CAF224A066 | F0CAF224A066 | CAPACITOR DE POLIPROPILENO 0,22 µF 250V 20%                       |
| C805     | ECKCNA101MB7 | ECKCNA101MB7 | CERAMIC CAPACITOR DISCO RADIAL 100 PF 4.000V 20%                  |
| C806     | ECKCNA101MB7 | ECKCNA101MB7 | CERAMIC CAPACITOR DISCO RADIAL 100 PF 4.000V 20%                  |
| C807     | ECKCNA101MB7 | ECKCNA101MB7 | CERAMIC CAPACITOR DISCO RADIAL 100 PF 4.000V 20%                  |
| C808     | F0C2H105A011 | F0C2H105A011 | CAPACITOR POLIPROPILENO 1.000 nF 500V 5%                          |
| C810     | ECKW3D471KBP | ECKW3D471KBP | CERAMIC CAPACITOR DISCO 470 PF 2.000V 10%                         |
| C811     | ECJ1VB1H103K | ECJ1VB1H103K | SMD CERAMIC CAPACITOR 10 nF 50V 10%                               |
| C812     | ECJ1VB1H473K | ECJ1VB1H473K | SMD CERAMIC CAPACITOR 47 nF 50V 10%                               |
| C814     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                              |
| C815     | ECJ1VB1H222K | ECJ1VB1H222K | SMD CERAMIC CAPACITOR 2,20 nF 50V 10%                             |
| C816     | ECJ1VB1H102K | ECJ1VB1H102K | SMD CERAMIC CAPACITOR L=1.60 W=0.80 H=0.80 MM 1 nF 50V 10%        |
| C818     | F2A1H4700031 | F2A1H4700031 | E ALUMINIUM 47 µF 50V 20%   |
| C819     | ECJ1VB1H472K | ECJ1VB1H472K | SMD CERAMIC CAPACITOR 4,70 nF 50V 10%                             |
| C820     | F2B2W2210005 | F2B2W2210005 | E ALUMINIUM 220 µF 450V 20%                                       |
| C821     | ECJ1VB1H223K | ECJ1VB1H223K | SMD CERAMIC CAPACITOR 22 nF 50V 10%                               |
| C822     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                              |
| C823     | F2A1E221A487 | F2A1E221A487 | E 220 µF 25V 20%  |
| C824     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                              |
| C825     | ECJ2FB1E105K | ECJ2FB1E105K | SMD CERAMIC CAPACITOR 1 µF 25V 10%                                |
| C826     | ECJ1VB1H103K | ECJ1VB1H103K | SMD CERAMIC CAPACITOR 10 nF 50V 10%                               |
| C827     | ECJ1VB1H472K | ECJ1VB1H472K | SMD CERAMIC CAPACITOR 4,70 nF 50V 10%                             |

| Ref. No. | Part No.     |              | Part Name & Description                                    |
|----------|--------------|--------------|--|
|          | TC-32LX80LA  | TC-32LX80LU  |  |
| C828     | F1H1H821A971 | F1H1H821A971 | SMD CERAMIC CAPACITOR 820 PF 50V 5%                        |
| C829     | F2A1H100A317 | F2A1H100A317 | E 10 µF 50V 20%  |
| C830     | ECJ1VB1H102K | ECJ1VB1H102K | SMD CERAMIC CAPACITOR L=1.60 W=0.80 H=0.80 MM 1 nF 50V 10% |
| C831     | F2A1H221B262 | F2A1H221B262 | E 220 µF 50V 20%   |
| C832     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C833     | F2A1V5600014 | F2A1V5600014 | E 56 µF 35V 20%  |
| C834     | F2A1V1020043 | F2A1V1020043 | CAPACITOR ELETROLITCO ALUMINIUM 1.000 µF 35V 20%           |
| C835     | F2A1V1020043 | F2A1V1020043 | CAPACITOR ELETROLITCO ALUMINIUM 1.000 µF 35V 20%           |
| C837     | ECJ2FB1C474K | ECJ2FB1C474K | SMD CERAMIC CAPACITOR 0,47 µF 16V 10%                      |
| C840     | F1J1E3340003 | F1J1E3340003 | SMD CERAMIC CAPACITOR .330 nF 25V 10%                      |
| C841     | F1A2E681A002 | F1A2E681A002 | CERAMIC CAPACITOR DISCO 680 PF 250V 10%                    |
| C842     | F2A1V221A470 | F2A1V221A470 | E ALUMINIUM 220 µF 35V 20%                                 |
| C843     | F2A1E221A487 | F2A1E221A487 | E 220 µF 25V 20%   |
| C845     | ECQE6184JFB  | ECQE6184JFB  | CAPACITOR DE POLIÉSTER 180 nF 630V 5%                      |
| C846     | F1H1H821A971 | F1H1H821A971 | SMD CERAMIC CAPACITOR 820 PF 50V 5%                        |
| C847     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C848     | F0C2K393A035 | F0C2K393A035 | CAPACITOR DE POLIPROPILENO 39 nF 800V 5%                   |
| C849     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C852     | F2A1C471A537 | F2A1C471A537 | E 470 µF 16V 20%   |
| C853     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C854     | ECJ1VB1H333K | ECJ1VB1H333K | SMD CERAMIC CAPACITOR 33 nF 50V 10%                        |
| C855     | ECQV1H105JL3 | ECQV1H105JL3 | CAPACITOR POLIESTER 1 µF 50V 5%                            |
| C856     | F2A1V221A470 | F2A1V221A470 | E ALUMINIUM 20 µF 35V 20%                                  |
| C857     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C858     | F2A1C471A537 | F2A1C471A537 | E 470 µF 16V 20%   |
| C859     | ECQV1H105JL3 | ECQV1H105JL3 | POLYESTER CAPACITOR 1 µF 50V 5%                            |
| C860     | F2A1A102A230 | F2A1A102A230 | E ALUMINIUM 1.000 µF 10V 20%                               |
| C861     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C862     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C867     | F1J0J1060004 | F1J0J1060004 | SMD CERAMIC CAPACITOR 10 µF 6,3 V 20%                      |
| C868     | ECJ1VB1H103K | ECJ1VB1H103K | SMD CERAMIC CAPACITOR 10 nF 50V 10%                        |
| C871     | ECJ1VB1H103K | ECJ1VB1H103K | SMD CERAMIC CAPACITOR 10 nF 50V 10%                        |
| C872     | ECJ1VC1H101J | ECJ1VC1H101J | SMD CERAMIC CAPACITOR 100 PF 50V 5%                        |
| C875     | F2A1V101A246 | F2A1V101A246 | E 100 µF 35V 20%   |
| C876     | F2A1C471A537 | F2A1C471A537 | E 470 µF 16V 20%   |
| C878     | F1J1C103A074 | F1J1C103A074 | SMD CERAMIC CAPACITOR 10 nF 16V                            |
| C880     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C881     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C882     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C883     | ECJ1VB1C273K | ECJ1VB1C273K | SMD CERAMIC CAPACITOR 27 nF 16V 10%                        |
| C884     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C885     | F2A1V221A470 | F2A1V221A470 | E ALUMINIUM 220 µF 35V 20%                                 |
| C886     | F2A1C471A537 | F2A1C471A537 | E 470 µF 16V 20%   |
| C887     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C889     | ECJ1VB1H104K | ECJ1VB1H104K | SMD CERAMIC CAPACITOR 100 nF 50V 10%                       |
| C890     | ECJ1VB1H103K | ECJ1VB1H103K | SMD CERAMIC CAPACITOR 10 nF 50V 10%                        |
| C891     | F1J1H472A590 | F1J1H472A590 | SMD CERAMIC CAPACITOR 4,70 nF 50V 10%                      |
| C892     | ECJ1VC1H101J | ECJ1VC1H101J | SMD CERAMIC CAPACITOR 100 PF 50V 5%                        |
| C893     | ECJ1VC1H221J | ECJ1VC1H221J | SMD CERAMIC CAPACITOR 220 PF 50V 5%                        |
| C894     | ECJ1VB1H103K | ECJ1VB1H103K | SMD CERAMIC CAPACITOR 10 nF 50V 10%                        |

| Ref. No.      | Part No.     |              | Part Name & Description                  |
|---------------|--------------|--------------|--|
|               | TC-32LX80LA  | TC-32LX80LU  |  |
| C895          | ECJ3YB1E106M | ECJ3YB1E106M | SMD CERAMIC CAPACITOR 10 $\mu$ F 25V 20% |
| C897          | ECJ3YB1E106M | ECJ3YB1E106M | SMD CERAMIC CAPACITOR 10 $\mu$ F 25V 20% |
| <b>DIODES</b> |              |              |  |
| D1001         | B3AGA0000072 | B3AGA0000072 | LED RED/GREEN 20,0 mA                    |
| D1102         | MAZJ72900L   | MAZJ72900L   | SWITCHING SMD DIODE 30V 200,0 mA         |
| D1106         | MAZ80620ML   | MAZ80620ML   | ZENER SMD DIODE 6,2 V 0,10W 5,0 mA       |
| D1107         | MAZ80620ML   | MAZ80620ML   | ZENER SMD DIODE 6,2 V 0,10W 5,0 mA       |
| D1108         | MAZ80620ML   | MAZ80620ML   | ZENER SMD DIODE 6,2 V 0,10W 5,0 mA       |
| D1109         | MAZ80620ML   | MAZ80620ML   | ZENER SMD DIODE 6,2 V 0,10W 5,0 mA       |
| D1110         | MAZ80620ML   | MAZ80620ML   | ZENER SMD DIODE 6,2 V 0,10W 5,0 mA       |
| D1801         | B0JCME000037 | B0JCME000037 | SMD DIODE 40V 1,0 A                      |
| D1812         | MAZ81500ML   | MAZ81500ML   | ZENER SMD DIODE 15V 0,1 5,0 mA           |
| D1814         | MAZ80620LL   | MAZ80620LL   | ZENER SMD DIODE 6,2 V 0,10W 5,0 mA       |
| D1816         | MAZ81200ML   | MAZ81200ML   | ZENER SMD DIODE                          |
| D1818         | MAZ81300ML   | MAZ81300ML   | ZENER SMD DIODE 13V 0,10W 5,0 mA         |
| D1820         | MAZ80560ML   | MAZ80560ML   | ZENER SMD DIODE 5,6 V 0,1 5,0 mA         |
| D1822         | MAZ80560ML   | MAZ80560ML   | ZENER SMD DIODE 5,6 V 0,1 5,0 mA         |
| D1824         | MAZ82700ML   | MAZ82700ML   | ZENER SMD DIODE 27V 0,10W 5,0 mA         |
| D1830         | B0JCPG000005 | B0JCPG000005 | SMD DIODE Schottky 60V 1,0 A             |
| D2005         | MAZ82000ML   | MAZ82000ML   | ZENER SMD DIODE 20V 0,10W 5,0 mA         |
| D2301         | B0ACCK000012 | B0ACCK000012 | SWITCHING SMD DIODE 90V 100,0 mA         |
| D2302         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D2303         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D2304         | B0ACCK000012 | B0ACCK000012 | SWITCHING SMD DIODE 90V 100,0 mA         |
| D2305         | B0ACCK000012 | B0ACCK000012 | SWITCHING SMD DIODE 90V 100,0 mA         |
| D2306         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D2307         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3001         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3002         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3003         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3007         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3008         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3009         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3013         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3014         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3015         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3016         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3017         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3018         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3021         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3022         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3023         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3024         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3025         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3026         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3027         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3028         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3031         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3032         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |
| D3033         | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA         |

| Ref. No. | Part No.     |              | Part Name & Description                     |
|----------|--------------|--------------|---|
|          | TC-32LX80LA  | TC-32LX80LU  |   |
| D3200    | MAZ80390LL   | MAZ80390LL   | ZENER PLANAR SMD DIODE 3,8 V 0,1 W 5,0 mA   |
| D3219    | MA2J72900L   | MA2J72900L   | SMD DIODE 30V 200,0 mA                      |
| D3501    | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA            |
| D3502    | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA            |
| D3503    | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA            |
| D3504    | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA            |
| D3506    | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA            |
| D3507    | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA            |
| D3508    | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA            |
| D3509    | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA            |
| D3510    | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA            |
| D3511    | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA            |
| D3512    | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA            |
| D3513    | MAZ81400ML   | MAZ81400ML   | ZENER SMD DIODE 14V 0,1 W 5,0 mA            |
| D4015    | B0JCDD000002 | B0JCDD000002 | SMD DIODE 30V 0,2 A                         |
| D5001    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5002    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5003    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5004    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5005    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5006    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5007    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5008    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5009    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5010    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5011    | EZJZ1V800AA  | EZJZ1V800AA  | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5012    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5013    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5014    | EZJZ1V800AA  | EZJZ1V800AA  | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5015    | EZJZ1V800AA  | EZJZ1V800AA  | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5016    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5017    | EZJZ1V800AA  | EZJZ1V800AA  | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5018    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5019    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5020    | EZJZ0V80008B | EZJZ0V80008B | SMD VARISTOR TRANSIENT/SURGE ABSORBE 80V    |
| D5021    | B0HCMM000014 | B0HCMM000014 | SMD DIODE 200V 1,0 A                        |
| D5022    | B0HCMM000014 | B0HCMM000014 | SMD DIODE 200V 1,0 A                        |
| D5023    | MA2J72800L   | MA2J72800L   | SMD DIODE 30V 30,0 mA                       |
| D5026    | B0HCMM000014 | B0HCMM000014 | SMD DIODE 200V 1,0 A                        |
| D5027    | B0HCMM000014 | B0HCMM000014 | SMD DIODE 200V 1,0 A                        |
| D800     | B0EBNT000022 | B0EBNT000022 | RECTIFIER DIODE 800V 4,0 A                  |
| D801     | ERZV10V621CS | ERZV10V621CS | VARISTOR TRANSIENT/SURGE ABSORBE            |
| D803     | ERZV10V621CS | ERZV10V621CS | VARISTOR TRANSIENT/SURGE ABSORBE            |
| D804     | B0HAJL000003 | B0HAJL000003 | RECTIFIER DIODE 1,8 V                       |
| D805     | B0HASR000014 | B0HASR000014 | RECTIFIER DIODE FAST RECOVERY 600V 10,0 A   |
| D807     | B0JAME000058 | B0JAME000058 | RECTIFIER DIODE BARREIRA SCHOTTKY 40V 1,0 A |
| D808     | B0JCNE000004 | B0JCNE000004 | SMD DIODE Schottky 40V 2,0 A                |
| D809     | MAZ80680ML   | MAZ80680ML   | ZENER PLANAR DIODE SMD 6,8 V 0,15 W 5,0 mA  |
| D810     | MAZ81100ML   | MAZ81100ML   | ZENER SMD DIODE 11V 0,1 5,0 mA              |
| D811     | MAZ80390HL   | MAZ80390HL   | ZENER PLANAR DIODE SMD 3,9 V 0,15 W 5,0 mA  |



| Ref. No.                   | Part No.     |              | Part Name & Description                               |
|----------------------------|--------------|--------------|---|
|                            | TC-32LX80LA  | TC-32LX80LU  |   |
| D812                       | B0JCNE000004 | B0JCNE000004 | SMD DIODE Schottky 40V 2,0 A                          |
| D813                       | MAZ81800ML   | MAZ81800ML   | ZENER PLANAR DIODE SMD 18V 0,15 W 5,0 mA              |
| D815                       | MAZ80750ML   | MAZ80750ML   | ZENER SMD DIODE 7,5 V 0,10W 5,0 mA                    |
| D816                       | MAZ42400MF   | MAZ42400MF   | ZENER DIODE 24V 0,37 W 250,0 mA VZ=23,5 ~ 24,7 AT 5MA |
| D817                       | B0HAJL000003 | B0HAJL000003 | RECTIFIER DIODE 1,8 V                                 |
| D818                       | B0JBSL000026 | B0JBSL000026 | RECTIFIER DIODE Schottky 100V 10,0 A                  |
| D819                       | B0JBSL000026 | B0JBSL000026 | RECTIFIER DIODE Schottky 100V 10,0 A                  |
| D823                       | B0HAJL000003 | B0HAJL000003 | RECTIFIER DIODE 1,8 V                                 |
| D824                       | B0JCME000037 | B0JCME000037 | SMD DIODE 40V 1,0 A                                   |
| D832                       | B0JCME000037 | B0JCME000037 | SMD DIODE 40V 1,0 A                                   |
| D841                       | D4EAC6210002 | D4EAC6210002 | VARISTOR SURGE ABSORBE 620V                           |
| D844                       | B0BA42500001 | B0BA42500001 | ZENER DIODE 425V                                      |
| D845                       | B0HAKR000004 | B0HAKR000004 | RECTIFIER DIODE 600V 0,8 A                            |
| D851                       | B0BA02800001 | B0BA02800001 | ZENER DIODE 30V 0,5 W 5,0 mA VZ=27,70 ~ 29,13 V       |
| D852                       | B0BA02800001 | B0BA02800001 | ZENER DIODE 30V 0,5 W 5,0 mA VZ=27,70 ~ 29,13 V       |
| D853                       | B0JCNE000004 | B0JCNE000004 | SMD DIODE Schottky 40V 2,0 A SFPB-74V                 |
| D854                       | B0JANE000006 | B0JANE000006 | RECTIFIER DIODE Schottky 50V 3,0 A                    |
| D856                       | B0JCME000037 | B0JCME000037 | SMD DIODE 40V 1,0 A                                   |
| D860                       | B0JANE000006 | B0JANE000006 | RECTIFIER DIODE Schottky 50V 3,0 A                    |
| D862                       | B0JCPG000005 | B0JCPG000005 | SMD DIODE Schottky 60V 1,0 A                          |
| D863                       | B0JCME000037 | B0JCME000037 | SMD DIODE 40V 1,0 A                                   |
| D864                       | MA2J11100L   | MA2J11100L   | SWITCHING SMD DIODE 80V 100,0 mA                      |
| D885                       | B0JCME000037 | B0JCME000037 | SMD DIODE 40V 1,0 A                                   |
| D886                       | B0HCMM000014 | B0HCMM000014 | SMD DIODE 200V 1,0 A                                  |
| D887                       | B0HCMM000014 | B0HCMM000014 | SMD DIODE 200V 1,0 A                                  |
| D888                       | B0BA02700008 | B0BA02700008 | ZENER DIODE 27V 0,5 W 5,0 mA                          |
| D889                       | B0JANE000006 | B0JANE000006 | RECTIFIER DIODE Schottky 50V 3,0 A                    |
| D890                       | B0JCME000037 | B0JCME000037 | SMD DIODE 40V 1,0 A                                   |
| D891                       | B0JCME000037 | B0JCME000037 | SMD DIODE 40V 1,0 A                                   |
| D892                       | B0JCPG000005 | B0JCPG000005 | SMD DIODE Schottky 60V 1,0 A                          |
| D893                       | B0BA05600010 | B0BA05600010 | ZENER DIODE 56V 0,5 W 5,0 mA                          |
| <b>FILTERS</b>             |              |              |   |
| FL4001                     | J0MAB0000169 | J0MAB0000169 | SMD COIL LINE FILTER                                  |
| FL4002                     | J0MAB0000169 | J0MAB0000169 | SMD COIL LINE FILTER                                  |
| FL4003                     | J0MAB0000169 | J0MAB0000169 | SMD COIL LINE FILTER                                  |
| FL5001                     | F1J1A1050020 | F1J1A1050020 | SMD CERAMIC CAPACITOR 1 µF 10V                        |
| FL5002                     | F1J1A1050020 | F1J1A1050020 | SMD CERAMIC CAPACITOR 1 µF 10V                        |
| <b>INTEGRATED CIRCUITS</b> |              |              |   |
| IC1102                     | C3EBKC000014 | C3EBKC000014 | EEPROM INTEGRATED CIRCUIT                             |
| IC1803                     | C0EBF0000354 | C0EBF0000354 | SMD INTEGRATED CIRCUIT VOLTAGE REGULATOR 0,10A , 3,0V |
| IC1804                     | C0CBCYE00001 | C0CBCYE00001 | SMD INTEGRATED CIRCUIT VOLTAGE REGULATOR 0,10A , 3,0V |
| IC1805                     | C0DBAFF00026 | C0DBAFF00026 | SMD INTEGRATED CIRCUIT VOLTAGE REGULATOR 0,75A , 3,0V |
| IC1806                     | C0DBAZG00048 | C0DBAZG00048 | SMD INTEGRATED CIRCUIT VOLTAGE REGULATOR              |
| IC2001                     | C1AB00002941 | C1AB00002941 | SMD INTEGRATED CIRCUIT AUDIO AMP                      |
| IC2005                     | C1BB00000947 | C1BB00000947 | SMD INTEGRATED CIRCUIT AUDIO AF POWER AMP             |
| IC4001                     | C5ZBZ0000037 | C5ZBZ0000037 | INTEGRATED CIRCUIT HYBRID - MICRONAS                  |
| IC4003                     | C1ZBZ0003426 | C1ZBZ0003426 | SMD INTEGRATED CIRCUIT                                |
| IC4004                     | C1ZBZ0003191 | C1ZBZ0003191 | SMD INTEGRATED CIRCUIT                                |
| IC4005                     | C0ABFA000012 | C0ABFA000012 | SMD INTEGRATED CIRCUIT OPERATIONAL AMP                |
| IC4006                     | C0JBAZ002205 | C0JBAZ002205 | VIDEO / AUDIO SMD INTEGRATED CIRCUIT                  |

| Ref. No.       | Part No.     |              | Part Name & Description                   |
|----------------|--------------|--------------|---|
|                | TC-32LX80LA  | TC-32LX80LU  |   |
| IC4007         | C1ZBZ0003577 | C1ZBZ0003577 | SMD INTEGRATED CIRCUIT                    |
| IC5001         | C3EBDC000067 | C3EBDC000067 | EEPROM INTEGRATED CIRCUIT                 |
| IC5002         | C3EBDC000067 | C3EBDC000067 | EEPROM INTEGRATED CIRCUIT                 |
| IC5004         | C1AB00002848 | C1AB00002848 | HDMI SWITCH INTEGRATED CIRCUIT            |
| IC5005         | C0DBFFD00003 | C0DBFFD00003 | SMD INTEGRATED CIRCUIT VOLTAGE REGULATOR  |
| IC800          | C0DBBZG00004 | C0DBBZG00004 | INTEGRATED CIRCUIT POWER FACTOR CORRECTOR |
| IC801          | C5HAZZZ00011 | C5HAZZZ00011 | INTEGRATED CIRCUIT HÍBRIDO                |
| IC805          | AN1431T-TA   | AN1431T-TA   | INTEGRATED CIRCUIT VOLTAGE REGULATOR 2.5V |
| IC851          | C0DAAZH00020 | C0DAAZH00020 | INTEGRATED CIRCUIT VOLTAGE REGULATOR      |
| IC852          | C0DAAZH00020 | C0DAAZH00020 | INTEGRATED CIRCUIT VOLTAGE REGULATOR      |
| IC853          | C0DBAZG00048 | C0DBAZG00048 | INTEGRATED CIRCUIT VOLTAGE REGULATOR      |
| IC855          | C0DAAZH00020 | C0DAAZH00020 | INTEGRATED CIRCUIT VOLTAGE REGULATOR      |
| IC862          | C0DBAZG00048 | C0DBAZG00048 | INTEGRATED CIRCUIT VOLTAGE REGULATOR      |
| <b>JUMPERS</b> |              |              |   |
| JA29           | ERJ8GEY0R00V | ERJ8GEY0R00V | SMD RESISTOR 0 Ω 1/4 W 5%                 |
| JS1801         | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W            |
| JS1805         | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W            |
| JS1806         | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W            |
| JS1808         | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                   |
| JS1923         | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W            |
| JS1925         | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W            |
| JS2004         | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 Ω 1/8 W                    |
| JS2005         | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 Ω 1/8 W                    |
| JS2011         | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 Ω 1/8 W                    |
| JS2012         | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 Ω 1/8 W                    |
| JS2130         | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W            |
| JS2131         | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W            |
| JS2132         | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W            |
| JS2133         | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W            |
| JS2306         | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W            |
| JS3501         | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 Ω 1/8 W                    |
| JS3502         | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 Ω 1/8 W                    |
| JS3503         | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 Ω 1/8 W                    |
| <b>COILS</b>   |              |              |   |
| L1801          | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                              |
| L1805          | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                              |
| L1806          | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                              |
| L1808          | G0A470ZA0037 | G0A470ZA0037 | PIC SHOCK COIL 47,000 µH                  |
| L2003          | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                              |
| L2005          | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                              |
| L2110          | G0A220ZA0033 | G0A220ZA0033 | SHOCK COIL 22,000 µH                      |
| L2111          | G0A220ZA0033 | G0A220ZA0033 | SHOCK COIL 22,000 µH                      |
| L2112          | G0A220ZA0033 | G0A220ZA0033 | SHOCK COIL 22,000 µH                      |
| L2113          | G0A220ZA0033 | G0A220ZA0033 | SHOCK COIL 22,000 µH                      |
| L3800          | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                              |
| L3801          | G0C101K00023 | G0C101K00023 | RADIAL PIC COIL 100,000 µH 10%            |
| L3802          | J0JCC0000241 | J0JCC0000241 | BEAD CORE 0,2 A                           |
| L3803          | J0JCC0000241 | J0JCC0000241 | BEAD CORE 0,2 A                           |
| L4001          | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                              |
| L4002          | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                              |

| Ref. No.           | Part No.     |              | Part Name & Description                            |
|--------------------|--------------|--------------|--|
|                    | TC-32LX80LA  | TC-32LX80LU  |  |
| L4003              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4004              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4005              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4006              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4007              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4008              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4009              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4010              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4011              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4012              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4014              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4015              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4016              | ELJFA6R8KFB  | ELJFA6R8KFB  | SHOCK BEAD CORE 6,80 mH 10%                        |
| L4020              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4022              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4502              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L4904              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L5003              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L5004              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L5005              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L5006              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L5007              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L5009              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L5010              | J0JBC0000080 | J0JBC0000080 | BEAD CORE 0,1 A                                    |
| L5011              | J0JHC0000078 | J0JHC0000078 | BEAD CORE 2A                                       |
| L837               | J0JKA0000038 | J0JKA0000038 | AXIAL FERRITE BEAD CORE Z=80 Ω(100 MHZ); I=6A      |
| L839               | G0A221GA0001 | G0A221GA0001 | SHOCK COIL 220,000 μH                              |
| L840               | EXCELDR35V   | EXCELDR35V   | RADIAL FERRITE BEAD CORE Z=80 Ω(100MHZ); I=6A      |
| L843               | EXCELDR35V   | EXCELDR35V   | RADIAL FERRITE BEAD CORE Z=80 Ω(100MHZ); I=6A      |
| L844               | G0C101K00041 | G0C101K00041 | SHOCK COIL 100,000 μH                              |
| L865               | G0A220ZA0033 | G0A220ZA0033 | SHOCK COIL 22,000 μH                               |
| L867               | J0JKB0000034 | J0JKB0000034 | SHOCK COIL RADIAL I = 6 A / Z=100 ΩS (100MHZ)      |
| L868               | EXCELDR35V   | EXCELDR35V   | RADIAL FERRITE BEAD CORE Z=80 Ω(100MHZ); I=6A      |
| L870               | G0A220ZA0033 | G0A220ZA0033 | SHOCK COIL 22,000 μH                               |
| L871               | G0A221GA0001 | G0A221GA0001 | SHOCK COIL 220,000 μH                              |
| L872               | G0A100GA0013 | G0A100GA0013 | SHOCK COIL RADIAL 10,000 μH                        |
| L880               | J0JKA0000024 | J0JKA0000024 | AXIAL FERRITE BEAD CORE I=6 A / Z= 100 ΩS( 100MHZ) |
| L881               | J0JKA0000024 | J0JKA0000024 | AXIAL FERRITE BEAD CORE I=6 A / Z= 100 ΩS( 100MHZ) |
| LF801              | G0B153H00003 | G0B153H00003 | SHOCK COIL 15 mH                                   |
| LF803              | G0B153H00003 | G0B153H00003 | SHOCK COIL 15 mH                                   |
| <b>TRANSISTORS</b> |              |              |  |
| Q1002              | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                         |
| Q1004              | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                         |
| Q1006              | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                         |
| Q1007              | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                         |
| Q1217              | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                         |
| Q1218              | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                         |
| Q1801              | B1DHDC000028 | B1DHDC000028 | SMD TRANSISTOR P CHANEL 2 20V 4,0 A                |
| Q1802              | UNR521100L   | UNR521100L   | SMD TRANSISTOR NPN 150MW 50V 100,0 mA R1=R2=10K    |
| Q1803              | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                         |

| Ref. No. | Part No.     |              | Part Name & Description                         |
|----------|--------------|--------------|---|
|          | TC-32LX80LA  | TC-32LX80LU  |   |
| Q1804    | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q1805    | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q1806    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q2019    | UNR521100L   | UNR521100L   | SMD TRANSISTOR NPN 150MW 50V 100,0 mA R1=R2=10K |
| Q2020    | UNR521100L   | UNR521100L   | SMD TRANSISTOR NPN 150MW 50V 100,0 mA R1=R2=10K |
| Q2032    | B1CBHD000002 | B1CBHD000002 | SMD TRANSISTOR N CHANEL 0,2 W 30V 200,0 mA      |
| Q2303    | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA           |
| Q2305    | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q2306    | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q2312    | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA           |
| Q2313    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3001    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3002    | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3003    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3005    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3006    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3007    | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3200    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3201    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3202    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3203    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3204    | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3205    | 2SD0602ASL   | 2SD0602ASL   | SMD TRANSISTOR NPN 1/5 W 50V 500,0 mA           |
| Q3801    | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3806    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q3807    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q4001    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q4002    | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q4003    | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q4049    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q4050    | 2SA207700L   | 2SA207700L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q4120    | UNR521100L   | UNR521100L   | SMD TRANSISTOR NPN 150MW 50V 100,0 mA R1=R2=10K |
| Q4121    | UNR521100L   | UNR521100L   | SMD TRANSISTOR NPN 150MW 50V 100,0 mA R1=R2=10K |
| Q4330    | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA           |
| Q4501    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q4502    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q5001    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q5002    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q5003    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q5004    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q5008    | B1MBACA00008 | B1MBACA00008 | SMD TRANSISTOR 30V 1,0 A                        |
| Q5009    | B1MBACA00008 | B1MBACA00008 | SMD TRANSISTOR 30V 1,0 A                        |
| Q5019    | 2SC584500L   | 2SC584500L   | SMD TRANSISTOR 40V 50,0 mA                      |
| Q5022    | UNR521100L   | UNR521100L   | SMD TRANSISTOR NPN 150MW 50V 100,0 mA R1=R2=10K |
| Q5023    | B1MBACA00008 | B1MBACA00008 | SMD TRANSISTOR 30V 1,0 A                        |
| Q5025    | UNR521100L   | UNR521100L   | SMD TRANSISTOR NPN 150MW 50V 100,0 mA R1=R2=10K |
| Q801     | B1DFBR000008 | B1DFBR000008 | SMD TRANSISTOR N CHANEL 20 W 600V 1,0 A         |
| Q802     | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA           |
| Q803     | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA           |
| Q804     | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA           |

| Ref. No.         | Part No.     |              | Part Name & Description  |
|------------------|--------------|--------------|--|
|                  | TC-32LX80LA  | TC-32LX80LU  |  |
| Q805             | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA                          |
| Q806             | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA                          |
| Q807             | B1BACG000035 | B1BACG000035 | TRANSISTOR NPN 60V 3,0 A                                       |
| Q808             | B1BACD000014 | B1BACD000014 | TRANSISTOR NPN NPN 1 32V 2,0 A                                 |
| Q809             | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA                          |
| Q810             | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA                          |
| Q811             | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA                          |
| Q814             | B1DEHR000005 | B1DEHR000005 | FET TRANSISTOR N CHANEL 1 W 600V 20,0 A                        |
| Q843             | B1CGRD000002 | B1CGRD000002 | SMD TRANSISTOR P CHANEL 0,2 W 40V 5,0 A                        |
| Q845             | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA                          |
| Q847             | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA                          |
| Q848             | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA                          |
| Q849             | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA                          |
| Q881             | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA                          |
| Q890             | B1CHRE000003 | B1CHRE000003 | SMD TRANSISTOR P CHANEL 0,2 W 40V 7,5 A                        |
| Q891             | 2SD0601A0L   | 2SD0601A0L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA                          |
| Q892             | UNR221900L   | UNR221900L   | SMD TRANSISTOR NPN 1/5 W 50V 100,0 mA                          |
| <b>RESISTORS</b> |              |              |  |
| R1002            | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 k $\Omega$ 1/16 W 5%                           |
| R1003            | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 k $\Omega$ 1/10 W 5%    |
| R1006            | D0GB511JA008 | D0GB511JA008 | SMD RESISTOR 510 $\Omega$ 1/16 W 5%                            |
| R1008            | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 k $\Omega$ 1/16 W 5%                           |
| R1010            | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 k $\Omega$ 1/16 W 5%                           |
| R1015            | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                           |
| R1017            | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                           |
| R1019            | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                           |
| R1020            | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                           |
| R1022            | D0GB152JA008 | D0GB152JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1,50 k $\Omega$ 1/10 W 5% |
| R1024            | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 $\Omega$ 1/10 W                          |
| R1025            | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 $\Omega$ 1/10 W                          |
| R1026            | D0GB204JA008 | D0GB204JA008 | SMD RESISTOR 200 k $\Omega$ 1/10 W 5% T                        |
| R1028            | D0GB471JA008 | D0GB471JA008 | SMD RESISTOR 470 $\Omega$ 1/16 W 5%                            |
| R1029            | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 k $\Omega$ 1/10 W 5%    |
| R1167            | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 $\Omega$ 1/10 W                          |
| R1171            | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 $\Omega$ 1/10 W 5%     |
| R1172            | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 $\Omega$ 1/10 W 5%     |
| R1173            | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 k $\Omega$ 1/16 W 5%                           |
| R1174            | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 $\Omega$ 1/10 W 5%    |
| R1175            | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 $\Omega$ 1/10 W 5%    |
| R1176            | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 $\Omega$ 1/10 W 5%    |
| R1177            | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 $\Omega$ 1/10 W 5%    |
| R1181            | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 $\Omega$ 1/10 W                          |
| R1236            | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                           |
| R1237            | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                           |
| R1238            | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                           |
| R1239            | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                           |
| R1240            | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 k $\Omega$ 1/16 W 5%                           |
| R1241            | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                           |
| R1242            | D0GB223JA008 | D0GB223JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 k $\Omega$ 1/10 W 5%   |
| R1243            | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 k $\Omega$ 1/16 W 5%                           |

| Ref. No. | Part No.     |              | Part Name & Description                                 |
|----------|--------------|--------------|---|
|          | TC-32LX80LA  | TC-32LX80LU  |   |
| R1246    | D0GB332JA008 | D0GB332JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 3,30 kΩ 1/16 W 5%  |
| R1247    | D0GB332JA008 | D0GB332JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 3,30 kΩ 1/16 W 5%  |
| R1248    | D0GB562JA008 | D0GB562JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 5,60 kΩ 1/10 W 5%  |
| R1702    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R1811    | D0GD103JA017 | D0GD103JA017 | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 10 kΩ 1/8 W 5%     |
| R1812    | D0GB333JA008 | D0GB333JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 33 kΩ 1/16 W 5%    |
| R1813    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5%  |
| R1814    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R1815    | D0GD103JA017 | D0GD103JA017 | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 10 kΩ 1/8 W 5%     |
| R1816    | D0GB223JA008 | D0GB223JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 kΩ 1/10 W 5%    |
| R1818    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5%     |
| R1819    | ERJ3EKF5231V | ERJ3EKF5231V | SMD PRECISION RESISTOR 5,23 kΩ 1/10 W 1%                |
| R1820    | ERJ3EKF2202V | ERJ3EKF2202V | SMD PRECISION RESISTOR 22 kΩ 1/10 W 1%                  |
| R1823    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                            |
| R1824    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                            |
| R1825    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                            |
| R1826    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                            |
| R1827    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5%  |
| R1828    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5%  |
| R1829    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5%  |
| R1830    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5%  |
| R1831    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5%     |
| R1832    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5% |
| R1834    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R1835    | ERJ3EKF2871V | ERJ3EKF2871V | SMD PRECISION RESISTOR 2,87 kΩ 1/10 W 1%                |
| R1836    | ERJ6ENF1331V | ERJ6ENF1331V | SMD PRECISION RESISTOR 1,33 kΩ 1/10 W 1%                |
| R1951    | ERJ3EKF3002V | ERJ3EKF3002V | SMD PRECISION RESISTOR 30 kΩ 1/10 W 1%                  |
| R1952    | ERJ3EKF1002V | ERJ3EKF1002V | SMD PRECISION RESISTOR 10 kΩ 1/16 W 1%                  |
| R2094    | ERJ2GEJ393X  | ERJ2GEJ393X  | SMD RESISTOR 39 kΩ 0,063W 5%                            |
| R2095    | ERJ2GEJ103X  | ERJ2GEJ103X  | SMD RESISTOR 10 kΩ 0,063W 5%                            |
| R2096    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                            |
| R2097    | ERJ2GEJ393X  | ERJ2GEJ393X  | SMD RESISTOR 39 kΩ 0,063W 5%                            |
| R2100    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R2103    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R2104    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R2105    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R2106    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R2112    | ERJ2GEJ104X  | ERJ2GEJ104X  | SMD RESISTOR L=1.00 W=0.50 H=0.35 MM 100 kΩ 0,063W 5%   |
| R2113    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                           |
| R2114    | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 Ω 1/8 W                                  |
| R2118    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R2120    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                 |
| R2121    | ERJ2GEJ104X  | ERJ2GEJ104X  | SMD RESISTOR L=1.00 W=0.50 H=0.35 MM 100 kΩ 0,063W 5%   |
| R2122    | ERJ2GEJ154X  | ERJ2GEJ154X  | SMD RESISTOR 150 kΩ 0,063W 5%                           |
| R2148    | D0GB682JA008 | D0GB682JA008 | SMD RESISTOR 6,80 kΩ 1/16 W 5%                          |
| R2149    | D0GB682JA008 | D0GB682JA008 | SMD RESISTOR 6,80 kΩ 1/16 W 5%                          |
| R2152    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                           |
| R2153    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                           |
| R2154    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                           |
| R2159    | ERJ2GEJ104X  | ERJ2GEJ104X  | SMD RESISTOR L=1.00 W=0.50 H=0.35 MM 100 kΩ 0,063W 5%   |

| Ref. No. | Part No.     |              | Part Name & Description                                 |
|----------|--------------|--------------|---|
|          | TC-32LX80LA  | TC-32LX80LU  |   |
| R2160    | ERJ2GEJ104X  | ERJ2GEJ104X  | SMD RESISTOR L=1.00 W=0.50 H=0.35 MM 100 kΩ 0,063W 5%   |
| R2303    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                            |
| R2304    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                            |
| R2306    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                           |
| R2307    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                            |
| R2308    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                           |
| R2310    | D0GB222JA008 | D0GB222JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 2,20 kΩ 1/16 W 5%  |
| R2313    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                           |
| R2314    | D0GB105JA008 | D0GB105JA008 | SMD RESISTOR 1 MΩ 1/10 W 5%                             |
| R2381    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5% |
| R2382    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                           |
| R2383    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                            |
| R2384    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R2500    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R2501    | ERJ3EKF6801V | ERJ3EKF6801V | SMD PRECISION RESISTOR 6,80 kΩ 1/10 W 1%                |
| R2502    | ERJ3EKF1202V | ERJ3EKF1202V | SMD RESISTOR PRECISAO 12 kΩ 0.1 W 1%                    |
| R2503    | ERJ3EKF2202V | ERJ3EKF2202V | SMD PRECISION RESISTOR 22 kΩ 1/10 W 1%                  |
| R2504    | ERJ3EKF6802V | ERJ3EKF6802V | SMD PRECISION RESISTOR 68 kΩ 1/10 W 1%                  |
| R3001    | D0GB184JA008 | D0GB184JA008 | SMD RESISTOR 180 kΩ 1/10 W 5% RM06JT184                 |
| R3002    | D0GB184JA008 | D0GB184JA008 | SMD RESISTOR 180 kΩ 1/10 W 5% RM06JT184                 |
| R3005    | ERJ6ENF75R0V | ERJ6ENF75R0V | SMD PRECISION RESISTOR 75 Ω 1/8 W 1%                    |
| R3006    | D0GB184JA008 | D0GB184JA008 | SMD RESISTOR 180 kΩ 1/10 W 5% RM06JT184                 |
| R3007    | D0GB184JA008 | D0GB184JA008 | SMD RESISTOR 180 kΩ 1/10 W 5%                           |
| R3010    | ERJ6ENF75R0V | ERJ6ENF75R0V | SMD PRECISION RESISTOR 75 Ω 1/8 W 1%                    |
| R3011    | D0GB184JA008 | D0GB184JA008 | SMD RESISTOR 180 kΩ 1/10 W 5% RM06JT184                 |
| R3012    | D0GB184JA008 | D0GB184JA008 | SMD RESISTOR 180 kΩ 1/10 W 5%                           |
| R3013    | ERJ6ENF75R0V | ERJ6ENF75R0V | SMD PRECISION RESISTOR 75 Ω 1/8 W 1%                    |
| R3014    | ERJ6ENF75R0V | ERJ6ENF75R0V | SMD PRECISION RESISTOR 75 Ω 1/8 W 1%                    |
| R3015    | ERJ6ENF75R0V | ERJ6ENF75R0V | SMD PRECISION RESISTOR 75 Ω 1/8 W 1%                    |
| R3019    | ERJ6ENF75R0V | ERJ6ENF75R0V | SMD PRECISION RESISTOR 75 Ω 1/8 W 1%                    |
| R3020    | D0GB431JA008 | D0GB431JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 430 Ω 1/10 W 5%    |
| R3021    | D0GB431JA008 | D0GB431JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 430 Ω 1/10 W 5%    |
| R3022    | D0GD331JA017 | D0GD331JA017 | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 330 Ω 1/8 W 5%     |
| R3023    | D0GD471JA017 | D0GD471JA017 | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 470 Ω 1/8 W 5%     |
| R3024    | D0GD271JA017 | D0GD271JA017 | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 270 Ω 1/8 W 5%     |
| R3026    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                            |
| R3027    | D0GB303JA008 | D0GB303JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 30 kΩ 1/10 W 5%    |
| R3034    | D0GB184JA008 | D0GB184JA008 | SMD RESISTOR 180 kΩ 1/10 W 5%                           |
| R3035    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R3036    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R3037    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R3038    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R3039    | D0GB105JA008 | D0GB105JA008 | SMD RESISTOR 1 MΩ 1/10 W 5%                             |
| R3040    | D0GB274JA008 | D0GB274JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 270 kΩ 1/10 W 5%   |
| R3041    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                            |
| R3042    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5% |
| R3043    | D0GB184JA008 | D0GB184JA008 | SMD RESISTOR 180 kΩ 1/10 W 5%                           |
| R3045    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R3110    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5% |
| R3112    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5% |

| Ref. No. | Part No.     |              | Part Name & Description   |
|----------|--------------|--------------|---|
|          | TC-32LX80LA  | TC-32LX80LU  |   |
| R3118    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1 k $\Omega$ 1/10 W 5% |
| R3120    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1 k $\Omega$ 1/10 W 5% |
| R3129    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 k $\Omega$ 1/10 W 5%     |
| R3130    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 k $\Omega$ 1/10 W 5%     |
| R3200    | D0GB223JA008 | D0GB223JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 k $\Omega$ 1/10 W 5%    |
| R3201    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R3203    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R3204    | ERJ14YJ222U  | ERJ14YJ222U  | SMD RESISTOR 2,20 k $\Omega$ 1/4 W 5%                           |
| R3205    | ERJ14YJ222U  | ERJ14YJ222U  | SMD RESISTOR 2,20 k $\Omega$ 1/4 W 5%                           |
| R3206    | D0GB223JA008 | D0GB223JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 k $\Omega$ 1/10 W 5%    |
| R3207    | D0GB332JA008 | D0GB332JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 3,30 k $\Omega$ 1/16 W 5%  |
| R3208    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R3209    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 k $\Omega$ 1/16 W 5%                            |
| R3210    | D0GB332JA008 | D0GB332JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 3,30 k $\Omega$ 1/16 W 5%  |
| R3215    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R3218    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R3221    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R3227    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R3229    | D0GB153JA008 | D0GB153JA008 | SMD RESISTOR 15 k $\Omega$ 1/16 W 5%                            |
| R3230    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 k $\Omega$ 1/16 W 5%                            |
| R3231    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R3232    | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 $\Omega$ 1/8 W                                   |
| R3233    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 k $\Omega$ 1/16 W 5%                            |
| R3234    | D0GB222JA008 | D0GB222JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 2,20 k $\Omega$ 1/16 W 5%  |
| R3235    | D0GB152JA008 | D0GB152JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1,50 k $\Omega$ 1/10 W 5%  |
| R3236    | D0GB223JA008 | D0GB223JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 k $\Omega$ 1/10 W 5%    |
| R3237    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 k $\Omega$ 1/16 W 5%                            |
| R3240    | ERJ6ENF75R0V | ERJ6ENF75R0V | SMD PRECISION RESISTOR 75 $\Omega$ 1/8 W 1%                     |
| R3241    | ERJ6ENF75R0V | ERJ6ENF75R0V | SMD PRECISION RESISTOR 75 $\Omega$ 1/8 W 1%                     |
| R3242    | ERJ6ENF75R0V | ERJ6ENF75R0V | SMD PRECISION RESISTOR 75 $\Omega$ 1/8 W 1%                     |
| R3243    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 $\Omega$ 1/10 W 5%      |
| R3244    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 $\Omega$ 1/10 W 5%      |
| R3245    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 $\Omega$ 1/10 W 5%      |
| R3246    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 $\Omega$ 1/10 W 5%     |
| R3247    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 $\Omega$ 1/10 W 5%     |
| R3248    | ERJ6GEYJ472V | ERJ6GEYJ472V | SMD RESISTOR 4,70 k $\Omega$ 1/8 W 5%                           |
| R3249    | ERJ6GEYJ472V | ERJ6GEYJ472V | SMD RESISTOR 4,70 k $\Omega$ 1/8 W 5%                           |
| R3501    | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 $\Omega$ 1/8 W                                   |
| R3502    | ERJ6ENF75R0V | ERJ6ENF75R0V | SMD PRECISION RESISTOR 75 $\Omega$ 1/8 W 1%                     |
| R3503    | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 $\Omega$ 1/8 W                                   |
| R3504    | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 $\Omega$ 1/8 W                                   |
| R3505    | ERJ6ENF75R0V | ERJ6ENF75R0V | SMD PRECISION RESISTOR 75 $\Omega$ 1/8 W 1%                     |
| R3507    | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 $\Omega$ 1/8 W                                   |
| R3508    | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 $\Omega$ 1/8 W                                   |
| R3509    | ERJ6ENF75R0V | ERJ6ENF75R0V | SMD PRECISION RESISTOR 75 $\Omega$ 1/8 W 1%                     |
| R3510    | D0GD102JA017 | D0GD102JA017 | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 1 k $\Omega$ 1/8 W 5%      |
| R3511    | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 $\Omega$ 1/8 W                                   |
| R3512    | D0GD102JA017 | D0GD102JA017 | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 1 k $\Omega$ 1/8 W 5%      |
| R3513    | D0GD184JA017 | D0GD184JA017 | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 180 k $\Omega$ 1/8 W 5%    |
| R3514    | D0GD184JA017 | D0GD184JA017 | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 180 k $\Omega$ 1/8 W 5%    |



| Ref. No. | Part No.     |              | Part Name & Description                                 |
|----------|--------------|--------------|---|
|          | TC-32LX80LA  | TC-32LX80LU  |   |
| R3516    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R3517    | ERJ6GEY0R00V | ERJ6GEY0R00V | SMD RESISTOR 0 Ω 1/8 W                                  |
| R3800    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R3869    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                            |
| R3879    | D0GB221JA008 | D0GB221JA008 | SMD RESISTOR 220 Ω 1/16 W 5%                            |
| R3882    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5% |
| R3883    | D0GB331JA008 | D0GB331JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 330 Ω 1/10 W 5%    |
| R3884    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R3885    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R3911    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                            |
| R3912    | D0GB332JA008 | D0GB332JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 3,30 kΩ 1/16 W 5%  |
| R3914    | D0GB332JA008 | D0GB332JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 3,30 kΩ 1/16 W 5%  |
| R3915    | D0GB122JA008 | D0GB122JA008 | SMD RESISTOR 1,20 kΩ 1/16 W 5%                          |
| R3916    | D0GB471JA008 | D0GB471JA008 | SMD RESISTOR 470 Ω 1/16 W 5%                            |
| R3917    | D0GB561JA008 | D0GB561JA008 | SMD RESISTOR 560 Ω 1/16 W 5%                            |
| R3919    | ERJ12Y0R00U  | ERJ12Y0R00U  | SMD RESISTOR 0 Ω 1/2 W 5%                               |
| R4001    | D0GB273JA008 | D0GB273JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 27 kΩ 1/10 W 5%    |
| R4003    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5%     |
| R4005    | ERJ2GEJ103X  | ERJ2GEJ103X  | SMD RESISTOR 10 kΩ 0,063W 5%                            |
| R4007    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4008    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4009    | EXB2HV104JV  | EXB2HV104JV  | SMD RESISTOR ARRAY 100 kΩ 1/16 W 5%                     |
| R4011    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5%     |
| R4012    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4014    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4015    | ERJ2GEJ104X  | ERJ2GEJ104X  | SMD RESISTOR L=1.00 W=0.50 H=0.35 MM 100 kΩ 0,063W 5%   |
| R4017    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                            |
| R4018    | ERJ2GEJ473X  | ERJ2GEJ473X  | SMD RESISTOR 47 kΩ                                      |
| R4019    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R4021    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                            |
| R4022    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R4023    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4024    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R4025    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4026    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R4027    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                          |
| R4028    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%     |
| R4033    | ERJ3GEYJ101V | ERJ3GEYJ101V | SMD RESISTOR 100 Ω 1/10 W 5%                            |
| R4034    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4038    | ERJ2GEJ822X  | ERJ2GEJ822X  | SMD RESISTOR L=1.00 W=0.50 H=0.35 MM 8,20 kΩ 1/16 W 5%  |
| R4047    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4048    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4049    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4050    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4053    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4055    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4057    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4058    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4059    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%    |
| R4061    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%     |

| Ref. No. | Part No.     |              | Part Name & Description                                    |
|----------|--------------|--------------|--|
|          | TC-32LX80LA  | TC-32LX80LU  |  |
| R4062    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5%    |
| R4063    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R4064    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                               |
| R4065    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R4066    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%       |
| R4069    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%       |
| R4071    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                               |
| R4072    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%       |
| R4077    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R4078    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5%        |
| R4079    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%       |
| R4080    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R4081    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%       |
| R4089    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4092    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5%        |
| R4093    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                               |
| R4094    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4097    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4098    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4099    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4100    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4101    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                               |
| R4102    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4103    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                               |
| R4104    | D0GB332JA008 | D0GB332JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 3,30 kΩ 1/16 W 5%     |
| R4106    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                               |
| R4107    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4109    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4110    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5%        |
| R4111    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4112    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 Ω 1/10 W                             |
| R4113    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4114    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 Ω 1/10 W 5%       |
| R4115    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4116    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5%        |
| R4117    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4118    | D0GB471JA008 | D0GB471JA008 | SMD RESISTOR 470 Ω 1/16 W 5%                               |
| R4121    | D0GB562JA008 | D0GB562JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 5,60 kΩ 1/10 W 5%     |
| R4123    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4125    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4126    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4127    | D0GB151JA008 | D0GB151JA008 | SMD RESISTOR 150 Ω 1/16 W 5%                               |
| R4128    | ERJ2GEJ103X  | ERJ2GEJ103X  | SMD RESISTOR 10 kΩ 0,063W 5%                               |
| R4129    | D0GB182JA008 | D0GB182JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1,80 kΩ 1/10 W 5% |
| R4131    | D0GB221JA008 | D0GB221JA008 | SMD RESISTOR 220 Ω 1/16 W 5%                               |
| R4132    | D0GB221JA008 | D0GB221JA008 | SMD RESISTOR 220 Ω 1/16 W 5%                               |
| R4134    | D0GB331JA008 | D0GB331JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 330 Ω 1/10 W 5%       |
| R4135    | D0GB331JA008 | D0GB331JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 330 Ω 1/10 W 5%       |
| R4136    | D0GB223JA008 | D0GB223JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 kΩ 1/10 W 5%       |
| R4138    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 kΩ 1/16 W 5%                               |

| Ref. No. | Part No.     |              | Part Name & Description   |
|----------|--------------|--------------|---|
|          | TC-32LX80LA  | TC-32LX80LU  |   |
| R4139    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R4140    | D0GB272JA008 | D0GB272JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 2,70 k $\Omega$ 1/10 W 5%  |
| R4141    | D0GB121JA008 | D0GB121JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 120 $\Omega$ 1/10 W 5%     |
| R4148    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 $\Omega$ 1/10 W                           |
| R4150    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 $\Omega$ 1/10 W                           |
| R4151    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 $\Omega$ 1/10 W                           |
| R4152    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 $\Omega$ 1/10 W                           |
| R4160    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 $\Omega$ 1/10 W 5%      |
| R4161    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 $\Omega$ 1/10 W 5%      |
| R4162    | ERJ3GEY0R00V | ERJ3GEY0R00V | SMD JUMPER RESISTOR 0 $\Omega$ 1/10 W                           |
| R4186    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 $\Omega$ 1/10 W 5%     |
| R4187    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 $\Omega$ 1/10 W 5%     |
| R4188    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1 k $\Omega$ 1/10 W 5% |
| R4189    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 $\Omega$ 1/10 W 5%     |
| R4191    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R4192    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R4193    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R4194    | ERJ3EKF1000V | ERJ3EKF1000V | SMD PRECISION RESISTOR 00 $\Omega$ 1/10 W 1%                    |
| R4195    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 $\Omega$ 1/10 W 5%     |
| R4196    | ERJ3EKF1000V | ERJ3EKF1000V | SMD PRECISION RESISTOR 00 $\Omega$ 1/10 W 1%                    |
| R4198    | ERJ3EKF1000V | ERJ3EKF1000V | SMD PRECISION RESISTOR 00 $\Omega$ 1/10 W 1%                    |
| R4199    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R4200    | ERJ3EKF1000V | ERJ3EKF1000V | SMD PRECISION RESISTOR 00 $\Omega$ 1/10 W 1%                    |
| R4201    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R4202    | ERJ3EKF1000V | ERJ3EKF1000V | SMD PRECISION RESISTOR 00 $\Omega$ 1/10 W 1%                    |
| R4203    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 k $\Omega$ 1/10 W 5%     |
| R4204    | ERJ3EKF1600V | ERJ3EKF1600V | SMD PRECISION RESISTOR 60 $\Omega$ 1/10 W 1%                    |
| R4205    | ERJ3EKF1600V | ERJ3EKF1600V | SMD PRECISION RESISTOR 60 $\Omega$ 1/10 W 1%                    |
| R4206    | ERJ3EKF1600V | ERJ3EKF1600V | SMD PRECISION RESISTOR 60 $\Omega$ 1/10 W 1%                    |
| R4207    | ERJ3EKF1600V | ERJ3EKF1600V | SMD PRECISION RESISTOR 60 $\Omega$ 1/10 W 1%                    |
| R4208    | ERJ3EKF1600V | ERJ3EKF1600V | SMD PRECISION RESISTOR 60 $\Omega$ 1/10 W 1%                    |
| R4213    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R4219    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 k $\Omega$ 1/10 W 5%     |
| R4220    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 k $\Omega$ 1/10 W 5%     |
| R4221    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 k $\Omega$ 1/10 W 5%     |
| R4226    | D0GB332JA008 | D0GB332JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 3,30 k $\Omega$ 1/16 W 5%  |
| R4228    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1 k $\Omega$ 1/10 W 5% |
| R4229    | D0GB392JA008 | D0GB392JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 3,90 k $\Omega$ 1/16 W 5%  |
| R4230    | D0GB392JA008 | D0GB392JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 3,90 k $\Omega$ 1/16 W 5%  |
| R4232    | D0GB103JA008 | D0GB103JA008 | SMD RESISTOR 10 k $\Omega$ 1/16 W 5%                            |
| R4251    | D0GB101JA008 | D0GB101JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 100 $\Omega$ 1/10 W 5%     |
| R4253    | D0GB1R8JA008 | D0GB1R8JA008 | SMD RESISTOR 1,80 $\Omega$ 1/16 W 5%                            |
| R4255    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 k $\Omega$ 1/10 W 5%                           |
| R4258    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 k $\Omega$ 1/16 W 5%                            |
| R4259    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 k $\Omega$ 1/16 W 5%                            |
| R4272    | D0GB221JA008 | D0GB221JA008 | SMD RESISTOR 220 $\Omega$ 1/16 W 5%                             |
| R4273    | D0GB221JA008 | D0GB221JA008 | SMD RESISTOR 220 $\Omega$ 1/16 W 5%                             |
| R4274    | D0GB221JA008 | D0GB221JA008 | SMD RESISTOR 220 $\Omega$ 1/16 W 5%                             |
| R4275    | D0GB221JA008 | D0GB221JA008 | SMD RESISTOR 220 $\Omega$ 1/16 W 5%                             |
| R4276    | D0GB221JA008 | D0GB221JA008 | SMD RESISTOR 220 $\Omega$ 1/16 W 5%                             |

| Ref. No. | Part No.     |              | Part Name & Description                                |
|----------|--------------|--------------|--|
|          | TC-32LX80LA  | TC-32LX80LU  |  |
| R4277    | D0GB221JA008 | D0GB221JA008 | SMD RESISTOR 220 Ω 1/16 W 5%                           |
| R4278    | D0GB221JA008 | D0GB221JA008 | SMD RESISTOR 220 Ω 1/16 W 5%                           |
| R4280    | D0GB221JA008 | D0GB221JA008 | SMD RESISTOR 220 Ω 1/16 W 5%                           |
| R4281    | D0GB332JA008 | D0GB332JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 3,30 kΩ 1/16 W 5% |
| R4282    | D0GB332JA008 | D0GB332JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 3,30 kΩ 1/16 W 5% |
| R4325    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R4326    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R4335    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                           |
| R4337    | ERJ3GEYJ680V | ERJ3GEYJ680V | SMD RESISTOR 68 Ω 1/10 W 5%                            |
| R4338    | ERJ3GEYJ680V | ERJ3GEYJ680V | SMD RESISTOR 68 Ω 1/10 W 5%                            |
| R4501    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                           |
| R4506    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                           |
| R4750    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R4751    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R4752    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R4753    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R4754    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R4755    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R4756    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R4757    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R4758    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R4759    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R4810    | D0GB223JA008 | D0GB223JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 kΩ 1/10 W 5%   |
| R4811    | D0GB333JA008 | D0GB333JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 33 kΩ 1/16 W 5%   |
| R5001    | D0GB390JA008 | D0GB390JA008 | SMD RESISTOR 39 Ω 1/16 W 5%                            |
| R5002    | D0GB390JA008 | D0GB390JA008 | SMD RESISTOR 39 Ω 1/16 W 5%                            |
| R5007    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5008    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5009    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5010    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5011    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5012    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5013    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5014    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5015    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5016    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5017    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5018    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5019    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5020    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5021    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5022    | D0GB2R7JA008 | D0GB2R7JA008 | SMD RESISTOR 2,70 Ω 1/16 W 5%                          |
| R5023    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R5026    | ERJ2GE0R00X  | ERJ2GE0R00X  | SMD RESISTOR 0 Ω 0,063W                                |
| R5030    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5% |
| R5031    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5% |
| R5035    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5% |
| R5036    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5% |
| R5038    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                           |
| R5039    | D0GB560JA008 | D0GB560JA008 | SMD RESISTOR 56 Ω 1/16 W 5%                            |

| Ref. No. | Part No.     |              | Part Name & Description                                    |
|----------|--------------|--------------|--|
|          | TC-32LX80LA  | TC-32LX80LU  |  |
| R5040    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                               |
| R5041    | D0GB560JA008 | D0GB560JA008 | SMD RESISTOR 56 Ω 1/16 W 5%                                |
| R5043    | D0GB560JA008 | D0GB560JA008 | SMD RESISTOR 56 Ω 1/16 W 5%                                |
| R5045    | D0GB560JA008 | D0GB560JA008 | SMD RESISTOR 56 Ω 1/16 W 5%                                |
| R5048    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5%     |
| R5049    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5%     |
| R5052    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5%     |
| R5053    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5%     |
| R5058    | D0GB330JA008 | D0GB330JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 33 Ω 1/10 W 5%        |
| R5061    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R5062    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R5063    | D0GB330JA008 | D0GB330JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 33 Ω 1/10 W 5%        |
| R5064    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R5065    | D0GB330JA008 | D0GB330JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 33 Ω 1/10 W 5%        |
| R5066    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R5067    | D0GB330JA008 | D0GB330JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 33 Ω 1/10 W 5%        |
| R5068    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R5070    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R5073    | D0GB105JA008 | D0GB105JA008 | SMD RESISTOR 1 MΩ 1/10 W 5%                                |
| R5075    | D0GB821JA008 | D0GB821JA008 | SMD RESISTOR 820 Ω 1/16 W 5%                               |
| R5077    | D0GB182JA008 | D0GB182JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1,80 kΩ 1/10 W 5% |
| R5078    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R5080    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R5081    | D0GB182JA008 | D0GB182JA008 | SMD RESISTOR SMD L=1.60 W=0.80 H=0.45 MM 1,80 kΩ 1/10 W 5% |
| R5082    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R5083    | EXB38V220JV  | EXB38V220JV  | SMD RESISTOR ARRAY 22 Ω 0,063W 5%                          |
| R5084    | EXB2HV220JV  | EXB2HV220JV  | SMD RESISTOR ARRAY 22 Ω 1/16 W 5%                          |
| R5085    | ERJ2GEJ220X  | ERJ2GEJ220X  | SMD RESISTOR L=1.00 W=0.50 H=0.35 MM 22 Ω 1/16 W 5%        |
| R5086    | EXB2HV220JV  | EXB2HV220JV  | SMD RESISTOR ARRAY 22 Ω 1/16 W 5%                          |
| R5087    | EXB2HV220JV  | EXB2HV220JV  | SMD RESISTOR ARRAY 22 Ω 1/16 W 5%                          |
| R5093    | ERJ3EKF2612V | ERJ3EKF2612V | SMD PRECISION RESISTOR 26,10 kΩ 1/10 W 1%                  |
| R5094    | D0GB221JA008 | D0GB221JA008 | SMD RESISTOR 220 Ω 1/16 W 5%                               |
| R5095    | ERJ3EKF4703V | ERJ3EKF4703V | SMD PRECISION RESISTOR 470 kΩ 1/10 W 1%                    |
| R5096    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                              |
| R5097    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                               |
| R5098    | ERJ3EKF2203V | ERJ3EKF2203V | SMD PRECISION RESISTOR 220 kΩ 1/10 W 1%                    |
| R5099    | D0GB472JA008 | D0GB472JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 4,70 kΩ 1/10 W 5%     |
| R5100    | D0GB475JA008 | D0GB475JA008 | SMD RESISTOR 4,70 MΩ 1/16 W 5%                             |
| R5102    | D0GB223JA008 | D0GB223JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 kΩ 1/10 W 5%       |
| R5104    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5%        |
| R5106    | D0GB102JA008 | D0GB102JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 1 kΩ 1/10 W 5%        |
| R5107    | EXB2HV104JV  | EXB2HV104JV  | SMD RESISTOR ARRAY 100 kΩ 1/16 W 5%                        |
| R5108    | EXB2HV104JV  | EXB2HV104JV  | SMD RESISTOR ARRAY 100 kΩ 1/16 W 5%                        |
| R5109    | EXB2HV104JV  | EXB2HV104JV  | SMD RESISTOR ARRAY 100 kΩ 1/16 W 5%                        |
| R5110    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                              |
| R5111    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                              |
| R5112    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                              |
| R5113    | D0GB104JA008 | D0GB104JA008 | SMD RESISTOR 100 kΩ 1/10 W 5%                              |
| R5125    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |
| R5126    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5%        |

| Ref. No. | Part No.     |              | Part Name & Description                             |
|----------|--------------|--------------|---|
|          | TC-32LX80LA  | TC-32LX80LU  |   |
| R5130    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                        |
| R5131    | D0GB473JA008 | D0GB473JA008 | SMD RESISTOR 47 kΩ 1/16 W 5%                        |
| R5132    | D0GB220JA008 | D0GB220JA008 | SMD RESISTOR L=1.60 W=0.80 H=0.45 MM 22 Ω 1/10 W 5% |
| R800     | ERJ6GEYJ514V | ERJ6GEYJ514V | SMD RESISTOR 510 kΩ 1/8 W 5%                        |
| R801     | ERC12ZGK225D | ERC12ZGK225D | SOLID CARBON RESISTOR 2,20 MΩ 1/2 W 10%             |
| R802     | ERJ6GEYJ334V | ERJ6GEYJ334V | SMD RESISTOR 330 kΩ 1/8 W 5%                        |
| R803     | ERJ6GEYJ334V | ERJ6GEYJ334V | SMD RESISTOR 330 kΩ 1/8 W 5%                        |
| R804     | ERJ6GEYJ334V | ERJ6GEYJ334V | SMD RESISTOR 330 kΩ 1/8 W 5%                        |
| R805     | ERJ6GEYJ334V | ERJ6GEYJ334V | SMD RESISTOR 330 kΩ 1/8 W 5%                        |
| R806     | ERJ6GEYJ153V | ERJ6GEYJ153V | SMD RESISTOR 15 kΩ 1/8 W 5%                         |
| R807     | ERJ6GEYJ223V | ERJ6GEYJ223V | SMD RESISTOR 22 kΩ 1/8 W 5%                         |
| R808     | ERJ6GEYJ473V | ERJ6GEYJ473V | SMD RESISTOR 47 kΩ 1/8 W 5%                         |
| R809     | D0AE330JA046 | D0AE330JA046 | CARBON RESISTOR 33 Ω 1/4 W 5%                       |
| R810     | D0AE121JA046 | D0AE121JA046 | CARBON RESISTOR 120 Ω 1/4 W 5%                      |
| R812     | ERJ6GEYJ473V | ERJ6GEYJ473V | SMD RESISTOR 47 kΩ 1/8 W 5%                         |
| R814     | ERJ6GEYJ624V | ERJ6GEYJ624V | SMD RESISTOR 620 kΩ 1/8 W 5%                        |
| R815     | ERJ6GEYJ624V | ERJ6GEYJ624V | SMD RESISTOR 620 kΩ 1/8 W 5%                        |
| R816     | ERJ6GEYJ624V | ERJ6GEYJ624V | SMD RESISTOR 620 kΩ 1/8 W 5%                        |
| R817     | ERJ6GEYJ624V | ERJ6GEYJ624V | SMD RESISTOR 620 kΩ 1/8 W 5%                        |
| R818     | ERJ6ENF7681V | ERJ6ENF7681V | SMD PRECISION RESISTOR 7,68 kΩ 1/8 W 1%             |
| R819     | D0AE101JA046 | D0AE101JA046 | CARBON RESISTOR 100 Ω 1/4 W 5%                      |
| R820     | ERG2SJW330E  | ERG2SJW330E  | METAL OXIDE RESISTOR 33 Ω 2 W 5%                    |
| R821     | ERG2SJW330E  | ERG2SJW330E  | METAL OXIDE RESISTOR 33 Ω 2 W 5%                    |
| R822     | ERJ3EKF1151V | ERJ3EKF1151V | SMD RESISTOR PRECISAO 1,15 kΩ 1/16 W 1%             |
| R823     | D0D5R10KA007 | D0D5R10KA007 | WIRE WOUND RESISTOR 5,10 Ω 5 W 10%                  |
| R824     | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%                         |
| R825     | ERJ6GEYJ104V | ERJ6GEYJ104V | SMD RESISTOR 100 kΩ 1/8 W 5%                        |
| R826     | ERJ6GEYJ223V | ERJ6GEYJ223V | SMD RESISTOR 22 kΩ 1/8 W 5%                         |
| R828     | ERJ6GEYJ154V | ERJ6GEYJ154V | SMD RESISTOR 150 kΩ 1/8 W 5%                        |
| R829     | ERJ6GEYJ683V | ERJ6GEYJ683V | SMD RESISTOR 68 kΩ 1/8 W 5%                         |
| R830     | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%                         |
| R831     | ERJ6GEYJ752V | ERJ6GEYJ752V | SMD RESISTOR 7,50 kΩ 1/8 W 5%                       |
| R832     | ERJ6GEYJ564V | ERJ6GEYJ564V | METAL FILM RESISTOR 560 kΩ 1/10 W 5%                |
| R833     | ERJ6GEYJ564V | ERJ6GEYJ564V | METAL FILM RESISTOR 560 kΩ 1/10 W 5%                |
| R834     | ERJ6GEYJ105V | ERJ6GEYJ105V | SMD RESISTOR 1 MΩ 1/8 W 5%                          |
| R835     | ERG1SJ223E   | ERG1SJ223E   | METAL OXIDE RESISTOR 22 kΩ 1 5%                     |
| R836     | ERG1SJ223E   | ERG1SJ223E   | METAL OXIDE RESISTOR 22 kΩ 1 5%                     |
| R837     | ERG1SJ103E   | ERG1SJ103E   | METAL OXIDE RESISTOR 10 kΩ 1 5%                     |
| R838     | ERJ6GEYJ514V | ERJ6GEYJ514V | SMD RESISTOR 510 kΩ 1/8 W 5%                        |
| R839     | ERJ6GEYJ474V | ERJ6GEYJ474V | SMD RESISTOR 470 kΩ 1/8 W 5%                        |
| R840     | ERJ6GEYJ154V | ERJ6GEYJ154V | SMD RESISTOR 150 kΩ 1/8 W 5%                        |
| R841     | ERJ6GEYJ473V | ERJ6GEYJ473V | SMD RESISTOR 47 kΩ 1/8 W 5%                         |
| R842     | ERJ6GEYJ683V | ERJ6GEYJ683V | SMD RESISTOR 68 kΩ 1/8 W 5%                         |
| R843     | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%                         |
| R844     | ERJ6GEYJ104V | ERJ6GEYJ104V | SMD RESISTOR 100 kΩ 1/8 W 5%                        |
| R845     | ERJ6GEYJ472V | ERJ6GEYJ472V | SMD RESISTOR 4,70 kΩ 1/8 W 5%                       |
| R846     | ERDS1TJ302T  | ERDS1TJ302T  | CARBON RESISTOR 3 kΩ 1/2 W 5%                       |
| R847     | ERJ6GEYJ223V | ERJ6GEYJ223V | SMD RESISTOR 22 kΩ 1/8 W 5%                         |
| R848     | ERJ6GEYJ223V | ERJ6GEYJ223V | SMD RESISTOR 22 kΩ 1/8 W 5%                         |
| R849     | ERJ6GEYJ473V | ERJ6GEYJ473V | SMD RESISTOR 47 kΩ 1/8 W 5%                         |

| Ref. No. | Part No.     |              | Part Name & Description                            |
|----------|--------------|--------------|--|
|          | TC-32LX80LA  | TC-32LX80LU  |  |
| R850     | ERJ6GEYJ473V | ERJ6GEYJ473V | SMD RESISTOR 47 kΩ 1/8 W 5%                        |
| R851     | ERJ6GEYJ223V | ERJ6GEYJ223V | SMD RESISTOR 22 kΩ 1/8 W 5%                        |
| R852     | ERJ6GEYJ683V | ERJ6GEYJ683V | SMD RESISTOR 68 kΩ 1/8 W 5%                        |
| R853     | ERDS1TJ2R2T  | ERDS1TJ2R2T  | CARBON RESISTOR 2,20 Ω 1/2 W 5%                    |
| R854     | EROS2THF8200 | EROS2THF8200 | PRECISION RESISTOR 820 Ω 0,25 W 1%                 |
| R855     | D0MA47MKA005 | D0MA47MKA005 | WIRE RESISTOR 0,47 Ω 3 W 5%                        |
| R856     | ERDS1TJ105V  | ERDS1TJ105V  | CARBON RESISTOR 1 MΩ 1/2 W 5%                      |
| R857     | ERDS1TJ151T  | ERDS1TJ151T  | CARBON RESISTOR 150 Ω 1/2 W 5%                     |
| R858     | ERQ14AJ220P  | ERQ14AJ220P  | FUSISTOR 22 Ω 1/4 W 5%                             |
| R859     | D0AE470JA046 | D0AE470JA046 | CARBON RESISTOR 47 Ω 1/4 W 5%                      |
| R860     | ERJ6GEYJ223V | ERJ6GEYJ223V | SMD RESISTOR 22 kΩ 1/8 W 5%                        |
| R861     | ERJ6GEYJ112V | ERJ6GEYJ112V | SMD RESISTOR 1,10 kΩ 1/8 W 5%                      |
| R862     | ERJ6GEYJ102V | ERJ6GEYJ102V | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 1 kΩ 1/8 W 5% |
| R863     | ERJ6GEYJ472V | ERJ6GEYJ472V | SMD RESISTOR 4,70 kΩ 1/8 W 5%                      |
| R864     | ERJ6ENF6651V | ERJ6ENF6651V | SMD PRECISION RESISTOR 6,65 kΩ 1/10 W 1%           |
| R865     | ERJ3EKF2702V | ERJ3EKF2702V | SMD PRECISION RESISTOR 27 kΩ 1/10 W 1%             |
| R866     | ERJ6GEYJ392V | ERJ6GEYJ392V | SMD RESISTOR 3,90 kΩ 1/8 W 5%                      |
| R867     | ERJ6ENF1241V | ERJ6ENF1241V | SMD PRECISION RESISTOR 1,24 kΩ 1/10 W 1%           |
| R868     | ERJ6GEYJ472V | ERJ6GEYJ472V | SMD RESISTOR 4,70 kΩ 1/8 W 5%                      |
| R869     | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%                        |
| R870     | ERJ3EKF6201V | ERJ3EKF6201V | SMD PRECISION RESISTOR SMD 6,20 kΩ 1/16 W 1%       |
| R871     | ERJ6GEYJ472V | ERJ6GEYJ472V | SMD RESISTOR 4,70 kΩ 1/8 W 5%                      |
| R872     | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%                        |
| R873     | ERJ6GEYJ332V | ERJ6GEYJ332V | SMD RESISTOR 3,30 kΩ 1/8 W 5%                      |
| R874     | D0AW825JA001 | D0AW825JA001 | CARBON RESISTOR 8,20 MΩ 1 5%                       |
| R875     | ERJ3EKF1331V | ERJ3EKF1331V | SMD PRECISION RESISTOR 1,33 kΩ 1/16 W 1%           |
| R876     | ERJ6ENF1802V | ERJ6ENF1802V | SMD PRECISION RESISTOR 18 kΩ 1/10 W 1%             |
| R877     | ERJ6ENF1431V | ERJ6ENF1431V | SMD PRECISION RESISTOR 1,43 kΩ 1/10 W 1%           |
| R880     | D1F5100E0002 | D1F5100E0002 | FUSISTOR 10 Ω 5 W 5%                               |
| R881     | ERJ6GEYJ473V | ERJ6GEYJ473V | SMD RESISTOR 47 kΩ 1/8 W 5%                        |
| R882     | ERJ6GEYJ682V | ERJ6GEYJ682V | SMD RESISTOR 6,80 kΩ 1/8 W 5%                      |
| R883     | ERJ6GEYJ273V | ERJ6GEYJ273V | SMD RESISTOR 27 kΩ 1/8 W 5%                        |
| R884     | ERJ6GEYJ333V | ERJ6GEYJ333V | SMD RESISTOR 33 kΩ 1/8 W 5%                        |
| R885     | ERJ6GEYJ102V | ERJ6GEYJ102V | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 1 kΩ 1/8 W 5% |
| R887     | ERJ6GEYJ473V | ERJ6GEYJ473V | SMD RESISTOR 47 kΩ 1/8 W 5%                        |
| R888     | ERJ3EKF1102V | ERJ3EKF1102V | SMD PRECISION RESISTOR 1 kΩ 1/16 W 1%              |
| R889     | ERJ3EKF1002V | ERJ3EKF1002V | SMD PRECISION RESISTOR 10 kΩ 1/16 W 1%             |
| R890     | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%                        |
| R891     | ERJ6GEYJ102V | ERJ6GEYJ102V | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 1 kΩ 1/8 W 5% |
| R893     | ERJ6GEYJ473V | ERJ6GEYJ473V | SMD RESISTOR 47 kΩ 1/8 W 5%                        |
| R894     | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%                        |
| R895     | ERJ6GEYJ102V | ERJ6GEYJ102V | SMD RESISTOR L=2.00 W=1.25 H=0.60 MM 1 kΩ 1/8 W 5% |
| R896     | ERJ6GEYJ223V | ERJ6GEYJ223V | SMD RESISTOR 22 kΩ 1/8 W 5%                        |
| R897     | ERJ6GEYJ472V | ERJ6GEYJ472V | SMD RESISTOR 4,70 kΩ 1/8 W 5%                      |
| R898     | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%                        |
| R899     | ERJ3EKF1151V | ERJ3EKF1151V | SMD RESISTOR PRECISAO 1,15 kΩ 1/16 W 1%            |
| R903     | ERJ6ENF9531V | ERJ6ENF9531V | SMD PRECISION RESISTOR 9,53 kΩ 1/10 W 1%           |
| R909     | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%                        |
| R912     | ERJ3EKF3091V | ERJ3EKF3091V | METAL FILM RESISTOR SMD 3,09 kΩ 1/16 W 1%          |
| R913     | ERJ6ENF8200V | ERJ6ENF8200V | SMD PRECISION RESISTOR 820 Ω 1/10 W 1%             |

**TC-32LX80LA / TC-32LX80LU**

| Ref. No.              | Part No.     |              | Part Name & Description           |
|-----------------------|--------------|--------------|-----------------------------------|
|                       | TC-32LX80LA  | TC-32LX80LU  |                                   |
| R915                  | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%       |
| R916                  | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%       |
| R917                  | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%       |
| R918                  | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%       |
| R919                  | ERJ6GEYJ472V | ERJ6GEYJ472V | SMD RESISTOR 4,70 kΩ 1/8 W 5%     |
| R920                  | ERJ6GEYJ103V | ERJ6GEYJ103V | SMD RESISTOR 10 kΩ 1/8 W 5%       |
| R922                  | ERX1SJ2R2E   | ERX1SJ2R2E   | METAL FILM RESISTOR 2,20 Ω 1 W 5% |
| R923                  | ERJ6GEYJ753V | ERJ6GEYJ753V | SMD RESISTOR 75 kΩ 1/8 W 5%       |
| R924                  | ERJ6GEYJ753V | ERJ6GEYJ753V | SMD RESISTOR 75 kΩ 1/8 W 5%       |
| <b>RELAY</b>          |              |              |                                   |
| RL801                 | K6B1CDA00028 | K6B1CDA00028 | RELAY                             |
| <b>PHOTO SENSOR</b>   |              |              |                                   |
| RM1001                | PNA4701M06TV | PNA4701M06TV | PHOTO SENSOR                      |
| <b>PHOTO COUPLERS</b> |              |              |                                   |
| SN1001                | B3L000000032 | B3L000000032 | PHOTO COUPLER                     |
| PC801                 | B3PAA0000363 | B3PAA0000363 | PHOTO COUPLER                     |
| PC802                 | B3PAA0000363 | B3PAA0000363 | PHOTO COUPLER                     |
| <b>SWITCHES</b>       |              |              |                                   |
| SW2500                | EVQ11G05R    | EVQ11G05R    | SWITCH                            |
| SW2501                | EVQ11G05R    | EVQ11G05R    | SWITCH                            |
| SW2502                | EVQ11G05R    | EVQ11G05R    | SWITCH                            |
| SW2503                | EVQ11G05R    | EVQ11G05R    | SWITCH                            |
| SW2504                | EVQ11G05R    | EVQ11G05R    | SWITCH                            |
| SW841                 | ESB92DA1B    | ESB92DA1B    | SWITCH                            |
| <b>TRANSFORMERS</b>   |              |              |                                   |
| T801                  | ETS35LZ156AD | ETS35LZ156AD | CHOPPER TRANSFORMER (LH80)        |
| T802                  | ETS32CZ119AD | ETS32CZ119AD | CHOPPER TRANSFORMER (LH80)        |
| <b>TUNER</b>          |              |              |                                   |
| TU101                 | ENG36E16GF   | ENG36E16GF   | TUNER                             |
| <b>CRYSTALS</b>       |              |              |                                   |
| X4001                 | H0J202500011 | H0J202500011 | SMD CRYSTAL OSC 20,20 MHz         |
| X5001                 | H0J283500018 | H0J283500018 | SMD CRYSTAL OSC 28,30 MHz         |
| <b>FUSE</b>           |              |              |                                   |
| F841                  | K5D502BNA005 | K5D502BNA005 | FUSE 50V 5,0 A                    |



**Panasonic do Brasil Limitada**  
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