

Service Manual

SD Card Video Camera



Model No. **SDR-S26P**

SDR-S26PC

SDR-S26EG

SDR-S26EE

SDR-S26EB

SDR-S26EP

SDR-S26EF

SDR-S26EC

SDR-S26GC9

SDR-S26GN

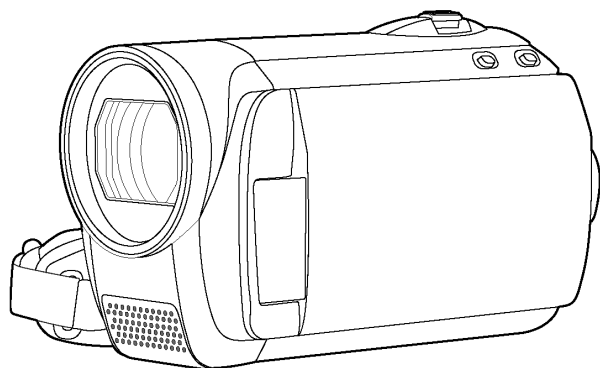
SDR-S26GJ

SDR-S26GK

SDR-S26PU

SDR-S26PR

SDR-S26GT



VOL.2

Colours

(K).....Black Type

(N).....Gold Type (except SDR-S26EF)

(A).....Blue Type (except SDR-S26EE/PR/GK)

(R).....Red Type (except SDR-S26EE/GT/PR)

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 Precaution

1.1. General Guidelines

1. IMPORTANT SAFETY NOTICE

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

2. An Isolation Transformer should always be used during the servicing of AC Adaptor whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect AC Adaptor from being damaged by accidental shorting that may occur during servicing.
3. 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.
4. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
5. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2 Warning

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

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

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

CAUTION:

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

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise 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 Δ 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 of manufacturer.

2.2. Service caution based on legal restrictions

2.2.1. General description about Lead Free Solder (PbF)

The lead free solder has been used in the mounting process of all electrical components on the printed circuit boards used for this equipment in considering the globally environmental conservation.

The normal solder is the alloy of tin (Sn) and lead (Pb). On the other hand, the lead free solder is the alloy mainly consists of tin (Sn), silver (Ag) and Copper (Cu), and the melting point of the lead free solder is higher approx.30 degrees C (86°F) more than that of the normal solder.

Definition of PCB Lead Free Solder being used

| | |
|---|------------|
| The letter of "PbF" is printed either foil side or components side on the PCB using the lead free solder. (See right figure) | PbF |
|---|------------|

Service caution for repair work using Lead Free Solder (PbF)

- The lead free solder has to be used when repairing the equipment for which the lead free solder is used.
(Definition: The letter of "PbF" is printed on the PCB using the lead free solder.)
- To put lead free solder, it should be well molten and mixed with the original lead free solder.
- Remove the remaining lead free solder on the PCB cleanly for soldering of the new IC.
- Since the melting point of the lead free solder is higher than that of the normal lead solder, it takes the longer time to melt the lead free solder.
- Use the soldering iron (more than 70W) equipped with the temperature control after setting the temperature at 350±30 degrees C (662±86°F).

Recommended Lead Free Solder (Service Parts Route.)

- The following 3 types of lead free solder are available through the service parts route.
 - RFKZ03D01KS----- (0.3mm 100g Reel)
 - RFKZ06D01KS----- (0.6mm 100g Reel)
 - RFKZ10D01KS----- (1.0mm 100g Reel)

Note

* Ingredient: tin (Sn), 96.5%, silver (Ag) 3.0%, Copper (Cu) 0.5%, Cobalt (Co) / Germanium (Ge) 0.1 to 0.3%

2.3. Caution for AC Cord (For EB/GC9)

2.3.1. Information for your safety

IMPORTANT

Your attention is drawn to the fact that recording of pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

WARNING

To reduce the risk of fire or shock hazard, do not expose this equipment to rain or moisture.

CAUTION

To reduce the risk of fire or shock hazard and annoying interference, use the recommended accessories only.

FOR YOUR SAFETY

DO NOT REMOVE THE OUTER COVER

To prevent electric shock, do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

2.3.2. Caution for AC mains lead

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three-pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5 amperes and it is approved by ASTA or BSI to BS1362

Check for the ASRA mark or the BSI mark on the body of the fuse.



If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

If the fitted moulded plug is unsuitable for the socket outlet in your home then the fuse should be removed and the plug cut off and disposed of safely.

There is a danger of severe electrical shock if the cut off plug is inserted into any 13-ampere socket.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt, please consult a qualified electrician.

2.3.2.1. Important

The wires in this mains lead are coloured in accordance with the following code:

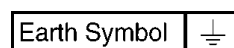
| | |
|-------|---------|
| Blue | Neutral |
| Brown | Live |

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

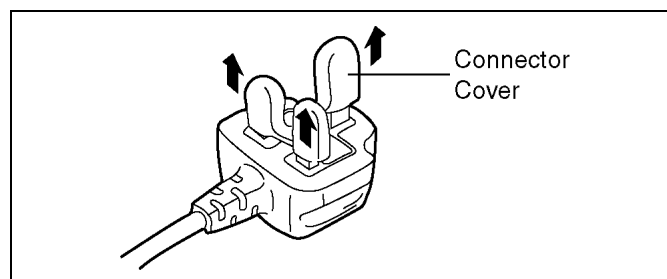
The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol.



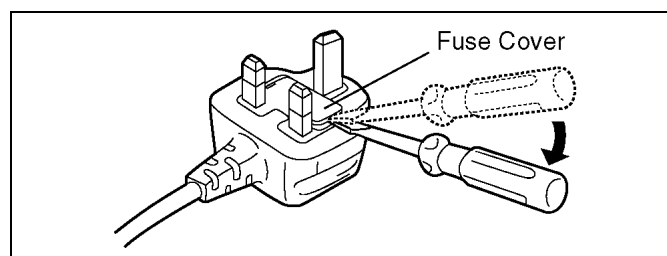
2.3.2.2. Before use

remove the Connector Cover as follows.

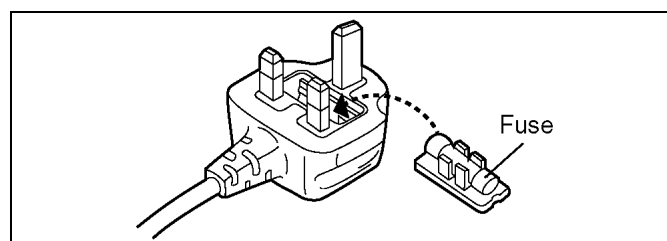


2.3.2.3. How to replace the Fuse

1. Remove the Fuse Cover with a screwdriver.



2. Replace the fuse and attach the Fuse cover.



3 Specifications

SD Card / Hard Disk Video Camera

| ITEM | SPECIFICATION | ITEM | SPECIFICATION | | | | | | | | |
|---------------------|--|----------------------------------|---|----|------------|----|------------|----|------------|--------------------------|-----------------------------|
| POWER | SD Video Camera: Power Source: DC 5.0/3.6 V Power Consumption: 3.0 W (Recording) 4.5 W (Charging) AC Adaptor: Power Source: AC 110-240 V, 50/60 Hz Power Consumption: 12 W DC Output: DC 5.0 V, 1.6 A | STILL PICTURES | Recording Media: SD Memory Card (removable type): 8 MB /16 MB /32 MB /64 MB /128 MB /256 MB / 512 MB /1 GB/2 GB (FAT12 and FAT16 format corresponding) SDHC Memory Card (removable type): 4 GB /6 GB /8 GB /12 GB /16 GB /32 GB (FAT32 format corresponding) Compression: JPEG (Design rule for Camera File system, based on Exif 2.2 standard), DPOF corresponding Picture Size: 640 × 480 (4:3), 640 × 360 (16:9) | | | | | | | | |
| RECORDING FORMAT | Based on the SD-Video standard | STANDARD ILLUMINATION | 1,400 lx | | | | | | | | |
| CAMERA | Filter Diameter: 37.0mm | MINIMUM REQUIRED ILLUMINATION | Approx. 6 lx (1/30 in low light mode) (Approx. 2lx with the MagicPix function) | | | | | | | | |
| | Zoom: 70X optical, 100X/3500X digital | | | | | | | | | | |
| | Monitor: 2.7-inch wide LCD (approx. 123K pixels) | | | | | | | | | | |
| | Lens: Auto Iris, F1.9-F5.7, Focal Length; 1.5 - 105 mm Macro (Full Range AF) | | | | | | | | | | |
| | Image Sensor: 1/8-inch CCD Image Sensor | | | | | | | | | | |
| VIDEO | Television System : EIA Standard : 525 Lines, 60 Fields NTSC Colour Signal (SDR-S26P/PC/PU/PR/GT) CCIR : 625 Lines, 50 Fields PAL Colour Signal (Except SDR-S26P/PC/PU/PR/GT) | USB | Card reader function (No copyright protection support) Hi-Speed USB (USB 2.0) compliant USB terminal Type Mini AB. PictBridge-compliant USB host function (for DVD burner) | | | | | | | | |
| | Video Output Level: 1.0 Vp-p, 75 ohm (AV Multi Jack) | MICROPHONE | Stereo (with a zoom function) | | | | | | | | |
| AUDIO | Audio Output Level (Line): 316 mV, 600 ohm (AV Multi Jack) | SPEAKER | 1 round speaker φ15 mm | | | | | | | | |
| MOTION PICTURES | Recording media: SD Memory Card (removable type) : 32 MB ^{*1} /64 MB ^{*1} /128 MB ^{*1} /256 MB/512 MB/1 GB/2 GB (FAT12 and FAT16 format corresponding) SDHC Memory Card (removable type) : 4 GB /6 GB /8 GB /12 GB /16 GB /32 GB (FAT32 format corresponding) Compression: MPEG-2 Recording mode and transfer rate: XP: 10 Mbps (VBR) SP: 5 Mbps (VBR) LP: 2.5 Mbps (VBR) Recordable time: Approx. <table border="1" data-bbox="354 1180 571 1274"> <thead> <tr> <th></th> <th>SD Card (1GB)</th> </tr> </thead> <tbody> <tr> <td>XP</td> <td>12 minutes</td> </tr> <tr> <td>SP</td> <td>25 minutes</td> </tr> <tr> <td>LP</td> <td>50 minutes</td> </tr> </tbody> </table> Audio compression: Dolby Digital/MPEG-1 Audio Layer 2, 16bit (48 kHz/2 ch) Maximum number of recordable folders and scenes: SD card: 99 folders × 99 scenes (9801 scenes) (When the date changes, a new folder is created and scenes are recorded in this new folder even if the number of scenes in the old folder has not reached 99.) | | SD Card (1GB) | XP | 12 minutes | SP | 25 minutes | LP | 50 minutes | OPERATING TEMPERATURE | 0°C - 40°C (32 °F - 104 °F) |
| | | | SD Card (1GB) | | | | | | | | |
| | | XP | 12 minutes | | | | | | | | |
| | | SP | 25 minutes | | | | | | | | |
| | | LP | 50 minutes | | | | | | | | |
| | | OPERATING HUMIDITY | 10% - 80% | | | | | | | | |
| | | OPERATING ALTITUDE | Less than 3000 m (9800 feet) above sea level | | | | | | | | |
| | | Mass (WEIGHT) | SD Video Camera: 235 g (0.52lbs) (without battery and SD card) AC Adaptor: 100 g (0.22 lbs) | | | | | | | | |
| | | DIMENSIONS | SD Video Camera: (excluding the projecting parts) 56 mm (W) × 65 mm (H) × 107 mm (D) 2.21 inch (W) × 2.56 inch (H) × 4.21 inch (D) AC Adaptor: 76 mm (H) × 22 mm (H) × 46 mm (D) 2.99 inch (W) × 0.87 inch (H) × 1.81 inch (D) | | | | | | | | |
| | | STANDARD ACCESSORIES | 1 pc. AC Adaptor 1 pc. Battery Pack Unit 1 pc. AC Cord (Except SDR-S26GC9) 2 pcs. AC Cord (SDR-S26GC9) 1 pc. AV Cable 1 pc. CD-ROM 1 pc. USB Cable | | | | | | | | |
| SOLDER | This model use lead free solder (PbF). | | | | | | | | | | |

*1 Cannot be guaranteed in operation.

Weight and dimensions are approximate values.
Specifications may change without prior notice.

4 Service Mode

4.1. Service Menu

When abnormal detection contents are confirmed, do the following operation. Automatic diagnosis code will be displayed. (Service Menu)

To enter the Service Menu

1. Turn the Power on and set the Mode Dial to [VIDEO RECORDING MODE].
2. Push the [OIS], [JOYSTICK CONTROL LEFT] and [iA] simultaneously for 3 seconds (with no SD Card inserted).

Note:

If a SD Card is inserted, the above operation will not work.

This operation displays the following Service Menu items.

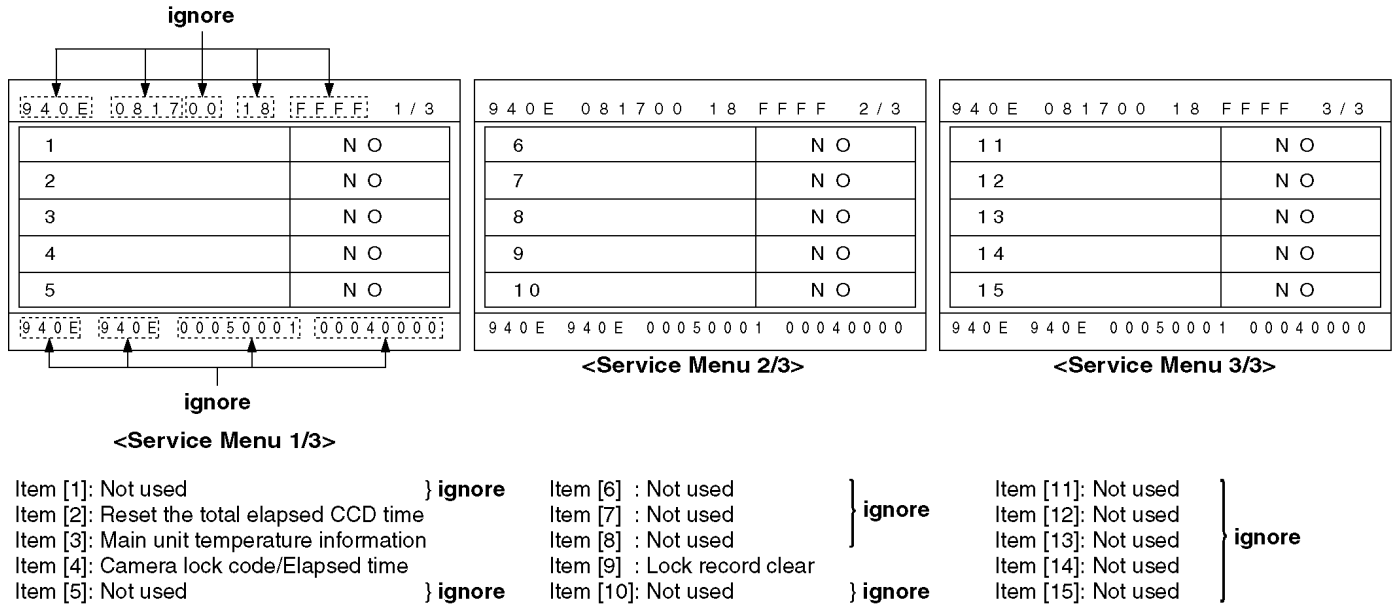


Fig. 1-1

Note:

Only perform items 2, 3, 4 and 9 in the Service Menu.

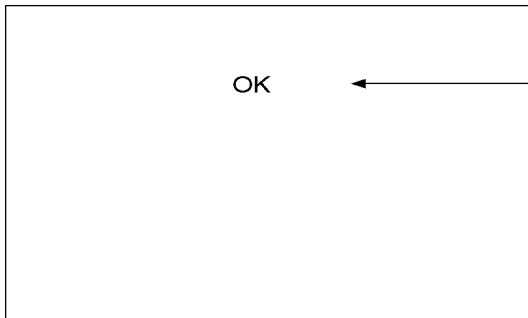
To select the Item of Service Menu

1. Press [JOYSTICK CONTROL UP/DOWN] to select item [2], [3], [4] and [9].
2. Press [JOYSTICK CONTROL RIGHT] to display [YES/NO] screen.
3. Press [JOYSTICK CONTROL UP/DOWN] to select [YES].
4. Press [JOYSTICK CONTROL CENTER] to enter.

<How to exit Service Menu>

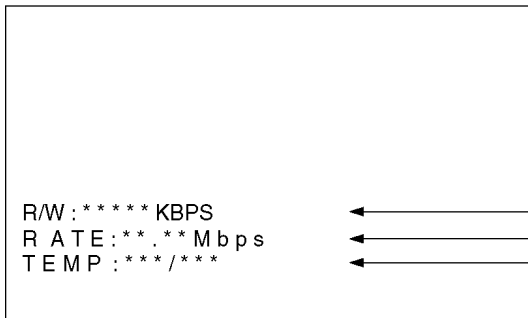
Set Mode dial to [OFF] position.

<Item [2] screen : Reset the total elapsed CCD time>



"OK" is displayed after "Reset the total elapsed CCD time" is executed.

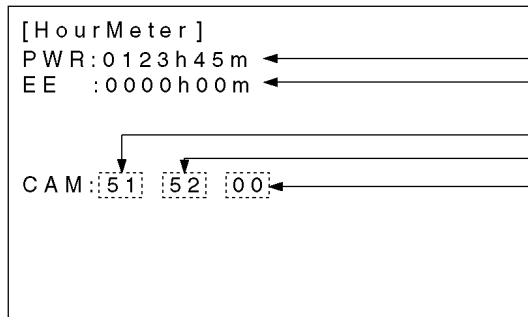
<Item [3] screen : Main unit temperature information>



Not used
 Not used
 Main Unit temperature (current)/
 Maximum temperature after the power is turned on

Fig. 1-2

<Item [4] screen : Camera lock code/Elapsed time>

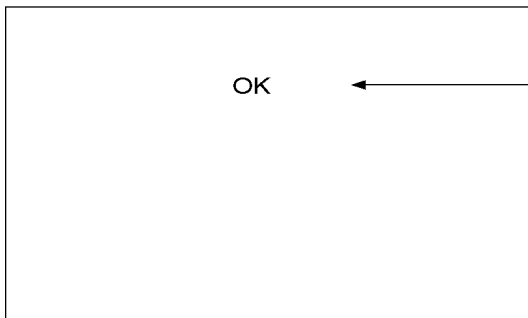


Total elapsed power on time
ignore
 Camera Error record
 The number before previous
 Previous number
 Latest number

Camera Error code record in hexadecimal

| Display | Explanation of cause |
|---------|--|
| 00 | No error |
| 51 | Focus Motor Lock |
| 52 | Zoom Motor Lock |
| 53 | OIS Drive Error |
| 33 | Communication error between CAMERA and ARM |

<Item [9] screen : Lock record clear>



"OK" is displayed after "Lock record Clear" is executed.

Fig. 1-3

4.2. About Default Setting

The data of Menu, Mode, Card and EEPROM setting, etc. is set to the default condition in factory.

4.2.1. How to set the Default Setting

1. Turn the Power on and set the Mode Dial to [VIDEO RECORDING MODE].
2. When pressing [OIS], [JOYSTICK CONTROL RIGHT] and [iA] for more than 3 minutes simultaneously (with no SD Card inserted), the items below are set to the Default Setting.
 1. Menu, Mode, Adjusted Value
 2. Card format (when SD Card is in the SD Slot)
 3. Reset of picture files and directory number (Set the picture record file number to 1)
 4. Clear the information of Mechanism Lock
 5. Set the time setting to no-setting
3. Default Setting was set and "END" is displayed.
4. Set Mode dial to [OFF] position to exit from this mode.

5 Service Fixture & Tools

5.1. Service Tools and Equipment

| Parts Name | Parts No. | Q'ty | Remarks |
|-------------------------------|--------------|------|---------------------------------|
| PC | --- | 1 | |
| AC Adaptor | --- | 1 | |
| DC Cable | --- | 1 | |
| AV Multi Cable | --- | 1 | |
| USB Cable | --- | 1 | |
| PC-Adjustment Program | --- | 1 | |
| Light Box | VFK1164LBX1 | 1 | |
| Infinity Lens | VFK1164TCM02 | 1 | With Focus Chart |
| Color Bar Chart | VFK1164TFCB2 | 1 | |
| Gray Scale Chart | VFK1164TFGS2 | 1 | |
| Color Conversion | VFK1164TFCT2 | 1 | |
| Light Box | VFK1164TDVLB | 1 | |
| Color Conversion (C12) | VFK1164LBB12 | 1 | |
| Color Conversion (C2) | VFK1164LBB2 | 1 | |
| Color Conversion (C4) | VFK1164LBB4 | 1 | |
| Color Conversion (C8) | VFK1164LBB8 | 1 | |
| 37mm Ring | VFK1164TAR37 | 1 | |
| Infinity Lens | VFK1164TCM02 | 1 | With Focus Chart |
| Infinity Lens | RFKZ0422 | 1 | |
| Tripod | VFK1164TST | 1 | |
| Tripod | RFKZ0333B | 1 | |
| Adapter for infinity Lens | RFKZ0333H | 1 | |
| Grease | LSUQ0050 | 1 | |
| Plier | LSUQ0028 | 1 | |
| HDD Conector Tool | LSVQ0112 | 1 | |
| Pin For CCD | RFKZ0476 | 1 | |
| Extension Flat Cable (6pin) | VFK1480 | 1 | FP41 (Main) - Front/Mic Unit |
| Extension Flat Cable (33pin) | VFK1950 | 1 | FP81 (Main) - FP8101 (LCD BL) |
| Extension Flat Cable (16pin) | VFK1286 | 1 | FP61 (Sub) - TOP/Operation Unit |
| Extension Flat Cable (33pin) | VFK1950 | 1 | FP71 (Main) - Lens Unit |
| Extension Flat Cable (18pin) | VFK1443 | 1 | FP31 (Main) - CCD Unit |
| Extension Flat Cable (22pin) | VFK1282 | 1 | FP51 (Main) - FP6301 (Rear) |
| Extension Flat Cable (12pin) | VFK1433 | 1 | FP11 (Sub) - Bottom Frame Unit |
| Extension Flat Cable (120pin) | VFK1877 | 1 | B9001 (Main) - B9002 (Sub) |

6 Measurements and Adjustments

6.1. Service Positions

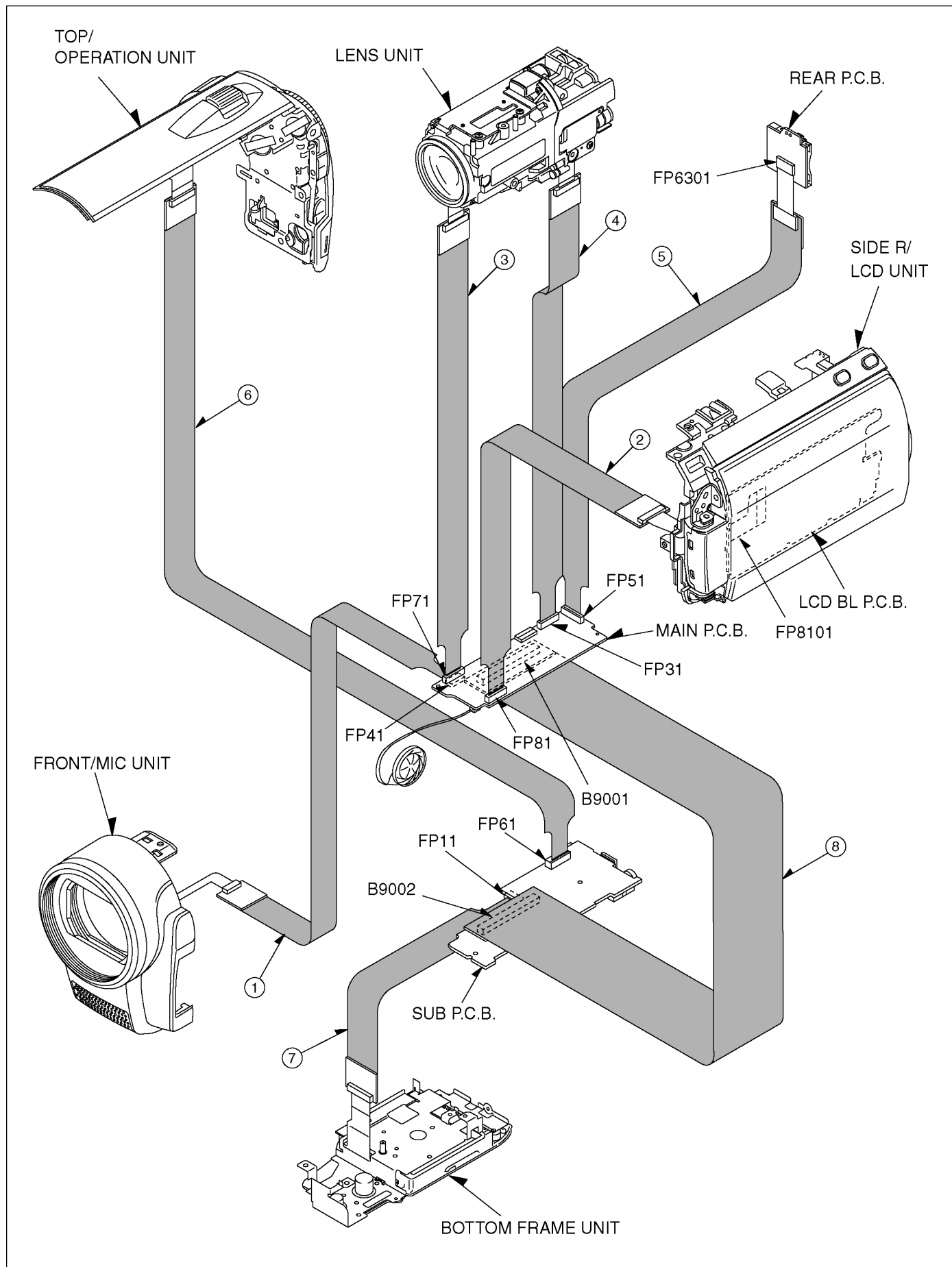
6.1.1. List of the extension cables

Use the following extension cables when checking or adjusting individual circuit boards except module Parts (Main P.C.B. and Sub P.C.B.).

| Ref. | Part No. | Pin | Part Name | Connection | | | Q'ty |
|------|----------|-----|------------|------------|--------|----------------------|------|
| 1 | VFK1480 | 6 | Flat Cable | FP41 | (Main) | - Front/Mic Unit | 1 |
| 2 | VFK1950 | 33 | Flat Cable | FP81 | (Main) | - FP8101 (LCD BL) | 1 |
| 3 | VFK1950 | 33 | Flat Cable | FP71 | (Main) | - Lens Unit | 1 |
| 4 | VFK1443 | 18 | Flat Cable | FP31 | (Main) | - CCD Unit | 1 |
| 5 | VFK1282 | 22 | Flat Cable | FP51 | (Main) | - FP6301 (Rear) | 1 |
| 6 | VFK1286 | 16 | Flat Cable | FP61 | (Sub) | - Top/Operation Unit | 1 |
| 7 | VFK1433 | 12 | Flat Cable | FP11 | (Sub) | - Bottom Frame Unit | 1 |
| 8 | VFK1877 | 120 | Flat Cable | B9001 | (Main) | - B9002 (Sub) | 1 |

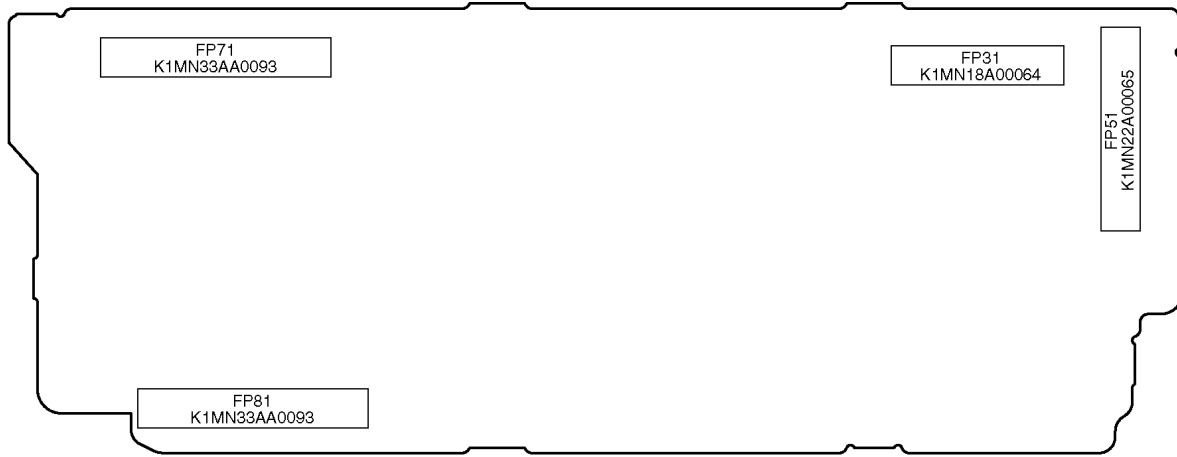
6.1.2. Checking and repairing individual circuit boards

How to use extension cables.

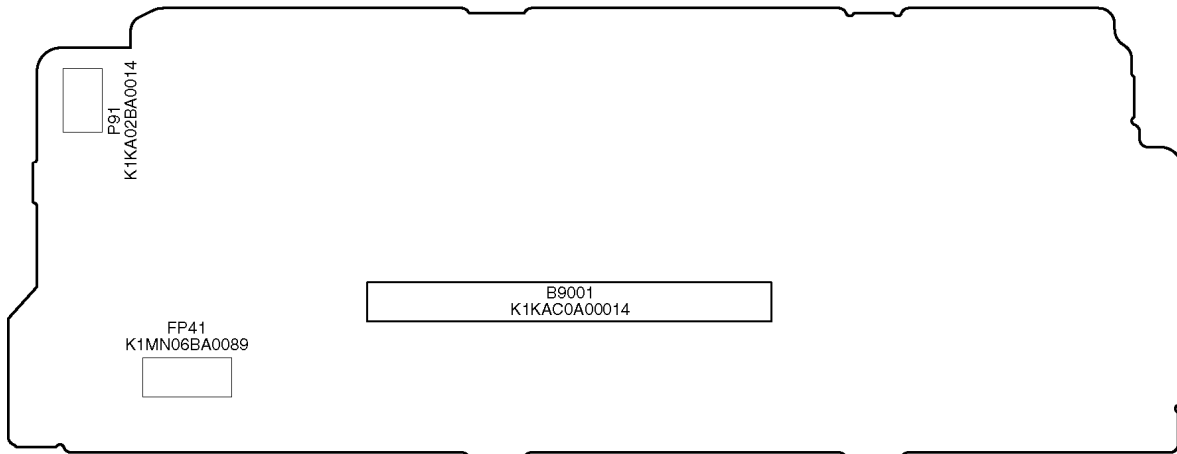


6.2. Location for Connectors of the Main P.C.B. and Sub P.C.B.

6.2.1. Main P.C.B.

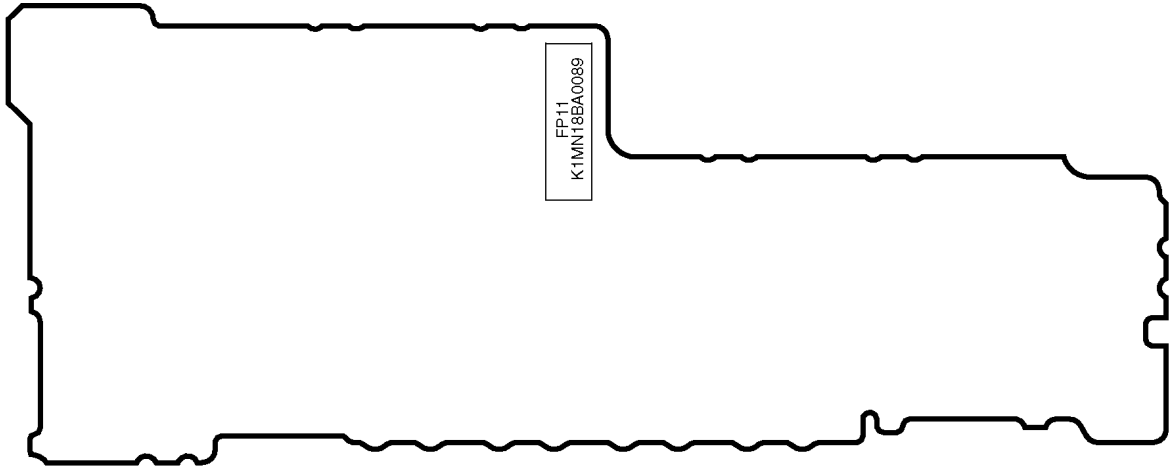


(COMPONENT SIDE)

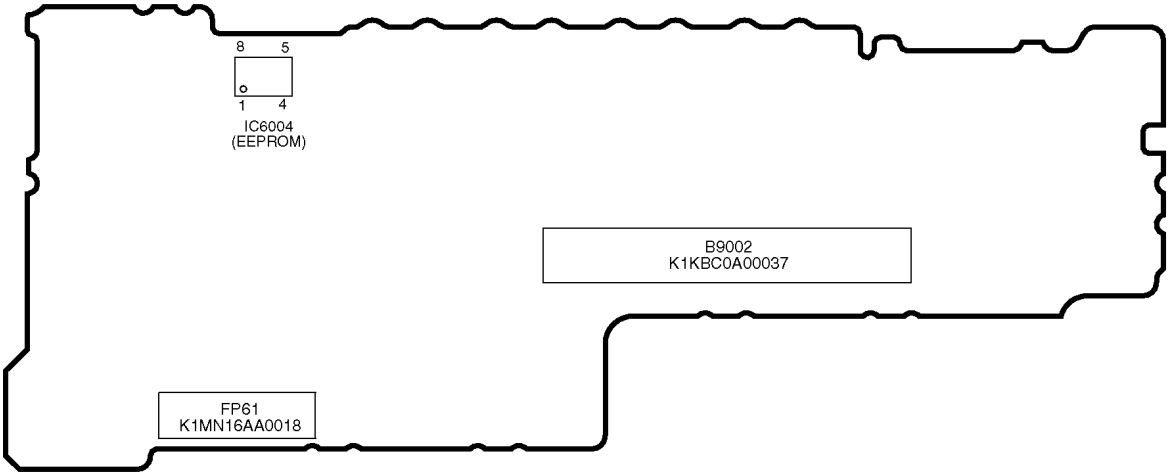


(FOIL SIDE)

6.2.2. Sub P.C.B.



(COMPONENT SIDE)

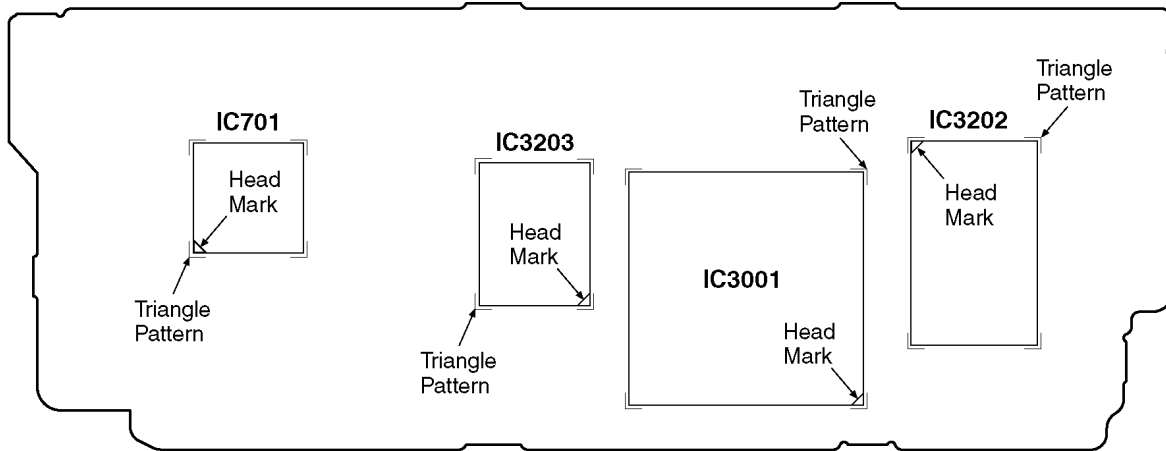


(FOIL SIDE)

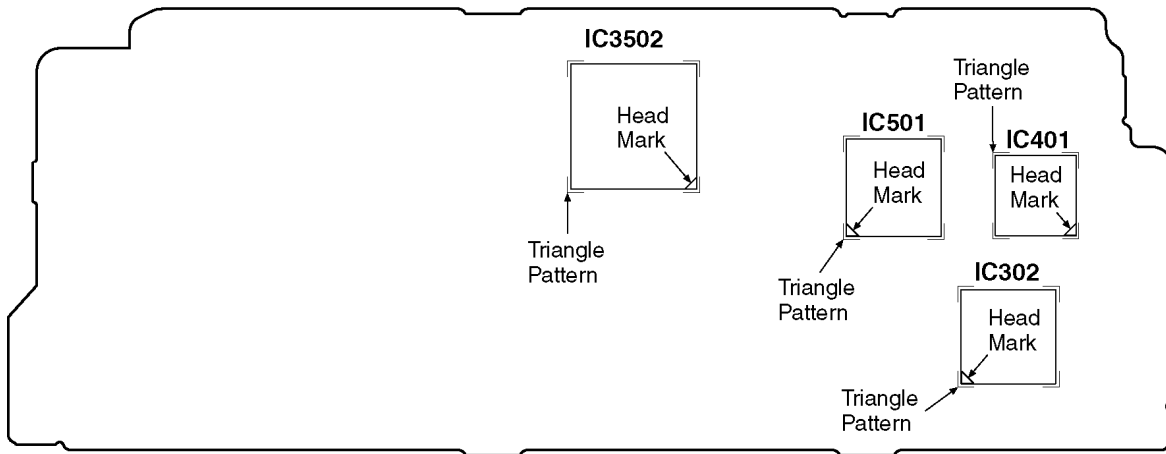
6.3. Location for CSP IC's of the Main P.C.B. and Sub P.C.B.

6.3.1. Main P.C.B.

Make sure to install CSP IC in the correct position of the Main P.C.B. as shown.



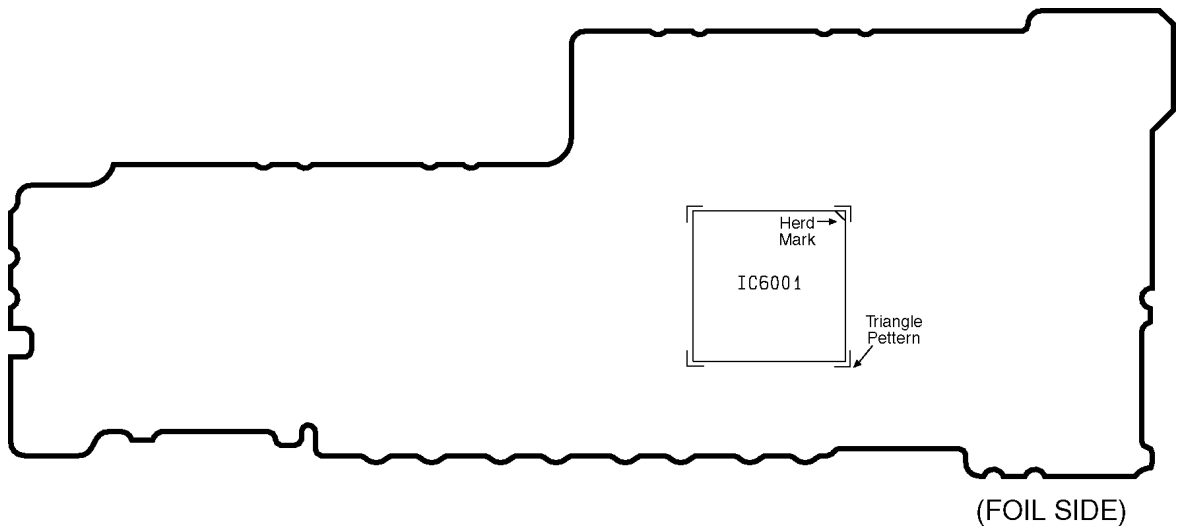
(COMPONENT SIDE)



(FOIL SIDE)

6.3.2. Sub P.C.B.

Make sure to install CSP IC in the correct position of the Sub P.C.B. as shown.

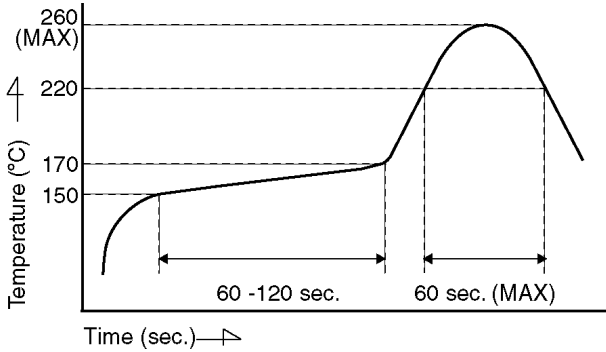


6.4. Temperature Profile for Heat Resistance of CSP IC

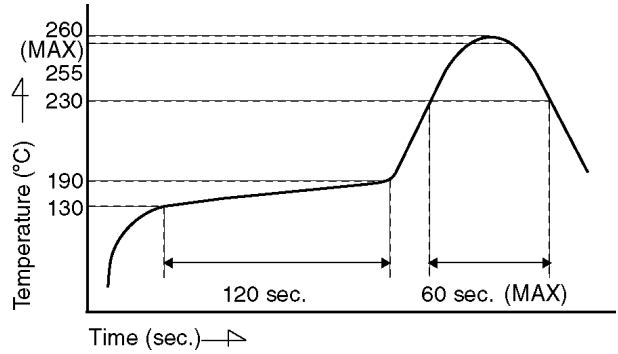
When using equipment other than the Pre-Heater, refer to the temperature profile.

CSP ICs for Model of SDR-S26 have the following temperature profile.

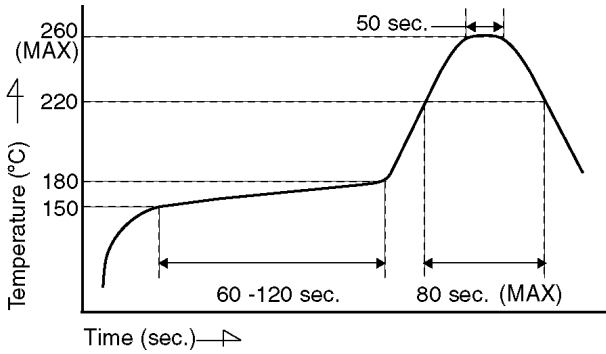
6.4.1. IC Temperature Profile (IC3202, IC6001, IC3203)



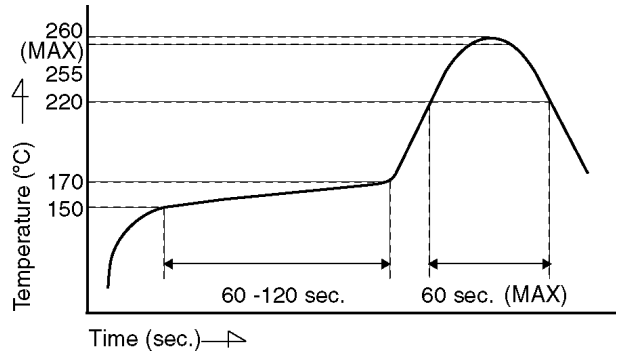
6.4.5. IC Temperature Profile (IC701)



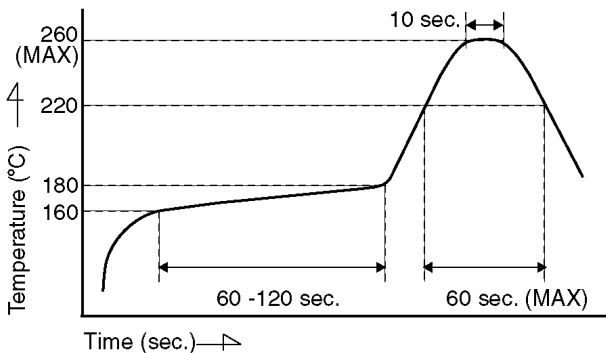
6.4.2. IC Temperature Profile (IC302)



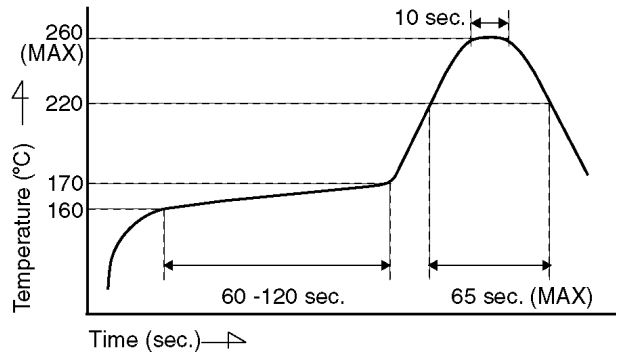
6.4.6. IC Temperature Profile (IC3001)



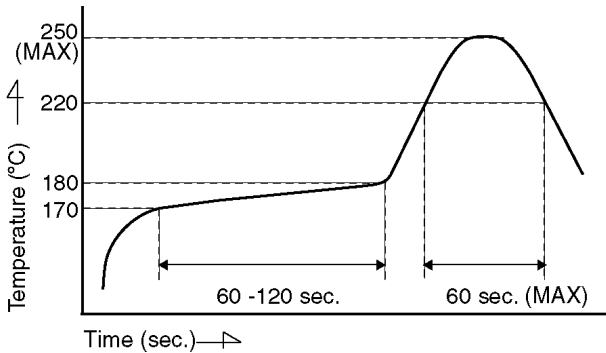
6.4.3. IC Temperature Profile (IC401)



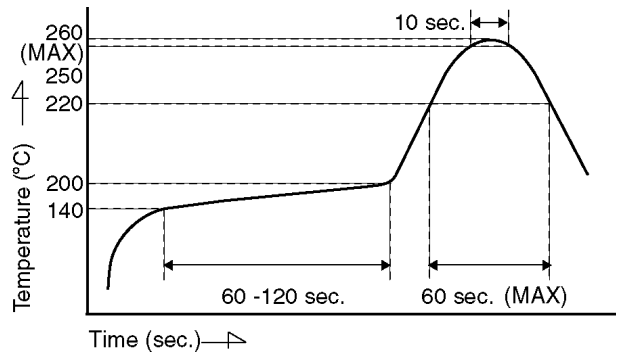
6.4.7. IC Temperature Profile (IC3301)



6.4.4. IC Temperature Profile (IC501)

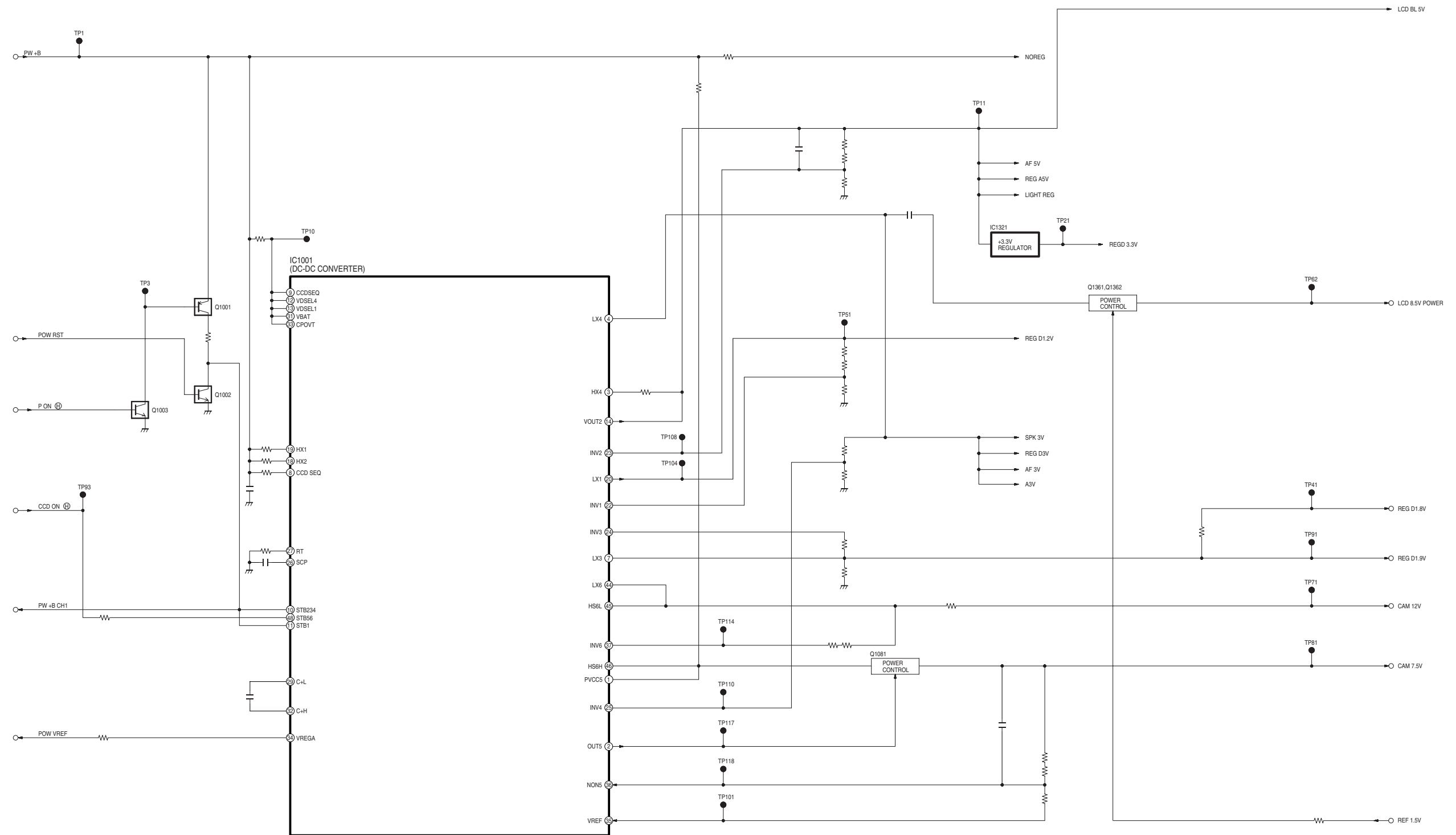


6.4.8. IC Temperature Profile (IC3502)



7 Block Diagrams

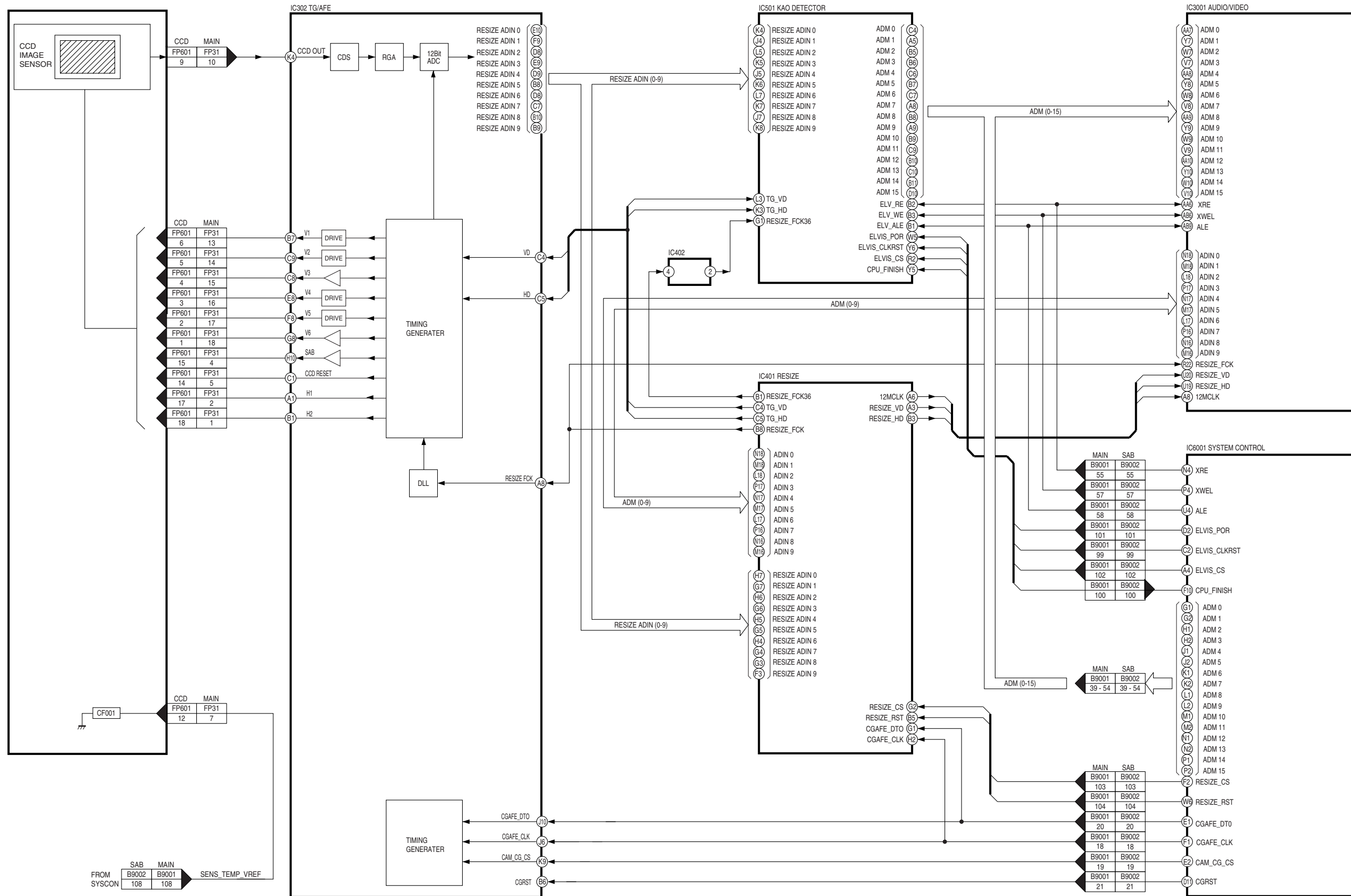
7.1. POWER SUPPLY BLOCK DIAGRAM



SDR-S26
POWER SUPPLY BLOCK DIAGRAM

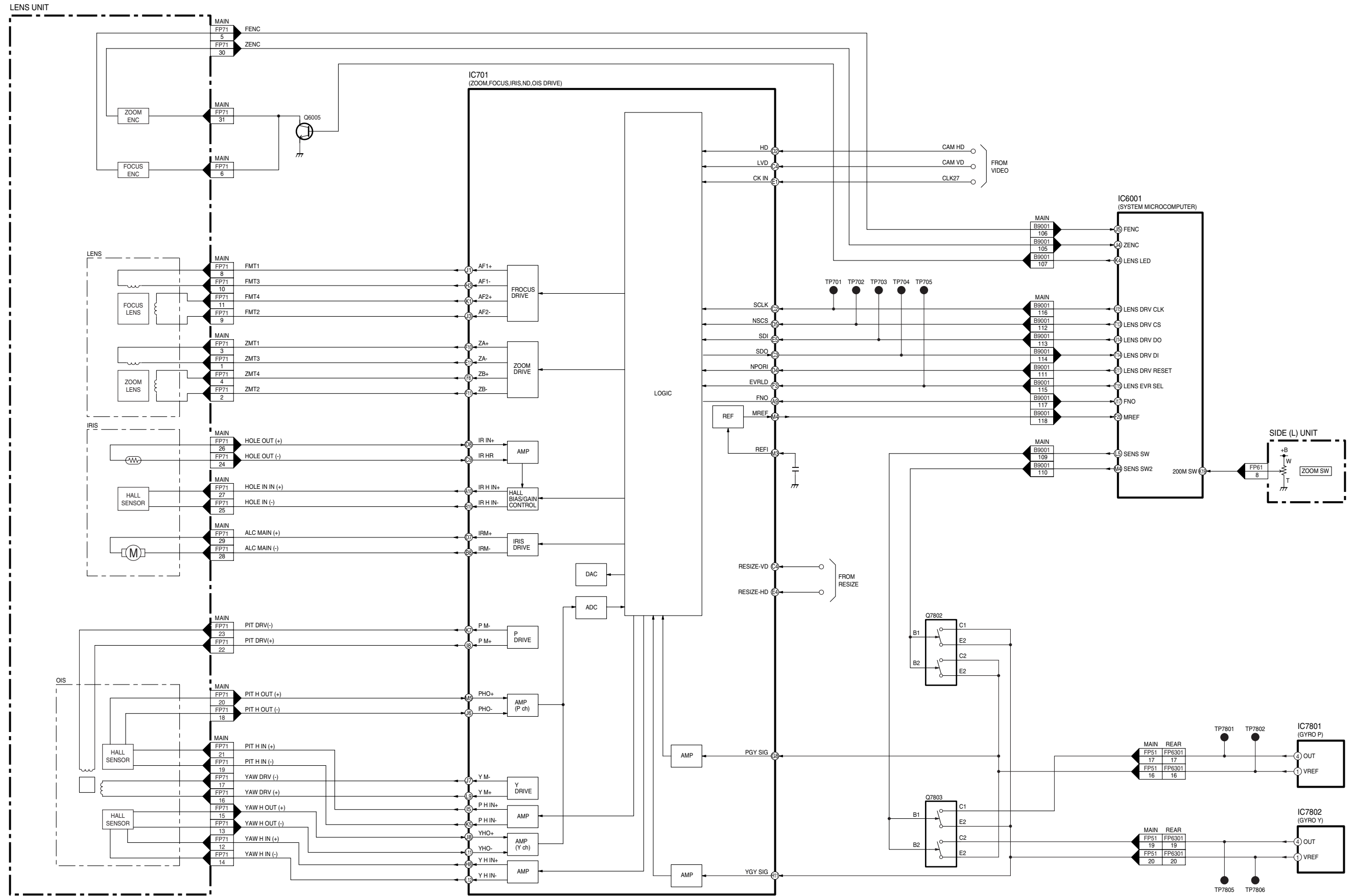
7.2. CAMERA DRIVE BLOCK DIAGRAM

CCD UNIT



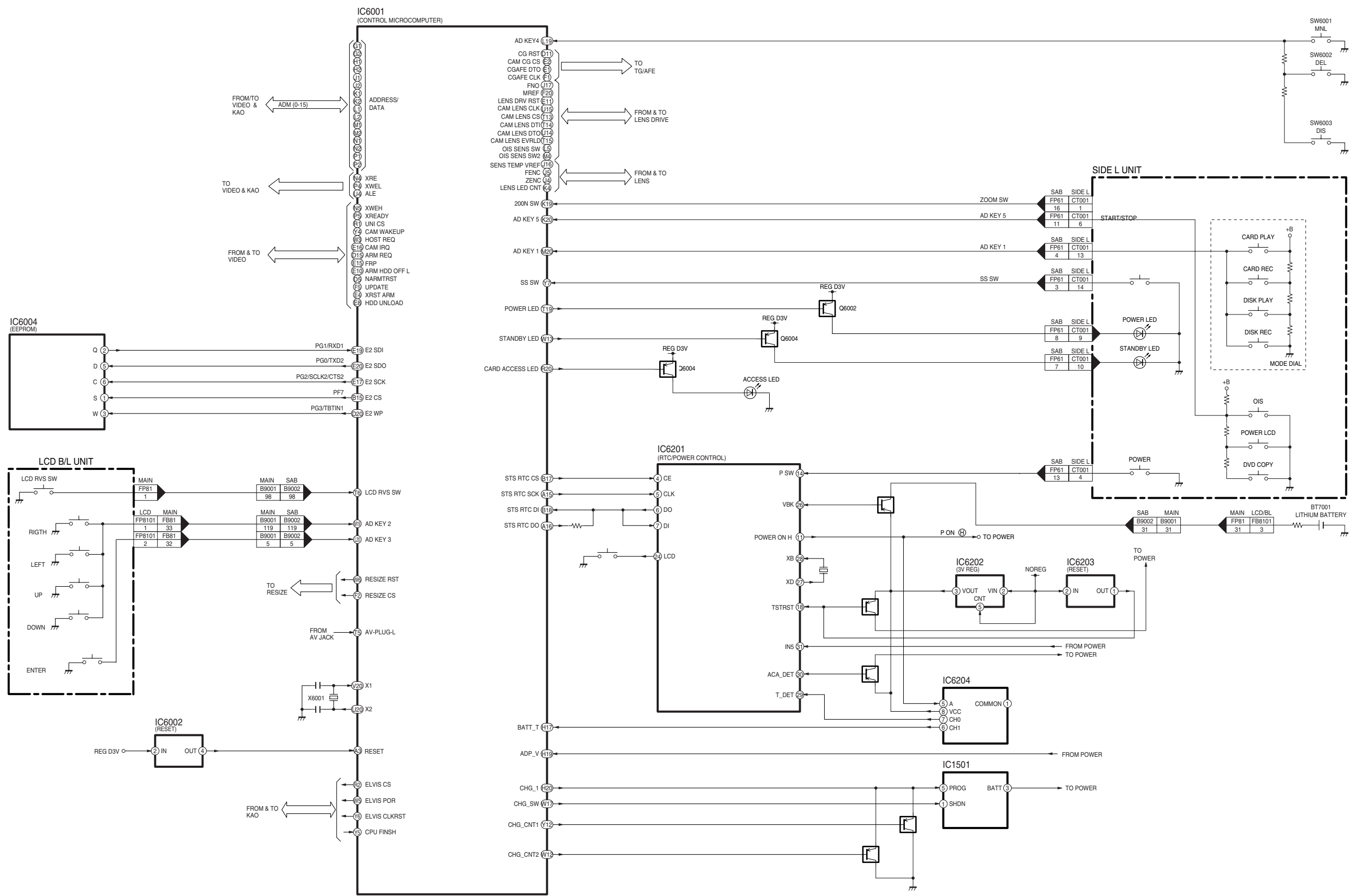
SDR-S26
CAMERA DRIVE BLOCK DIAGRAM

7.3. LENS DRIVE BLOCK DIAGRAM



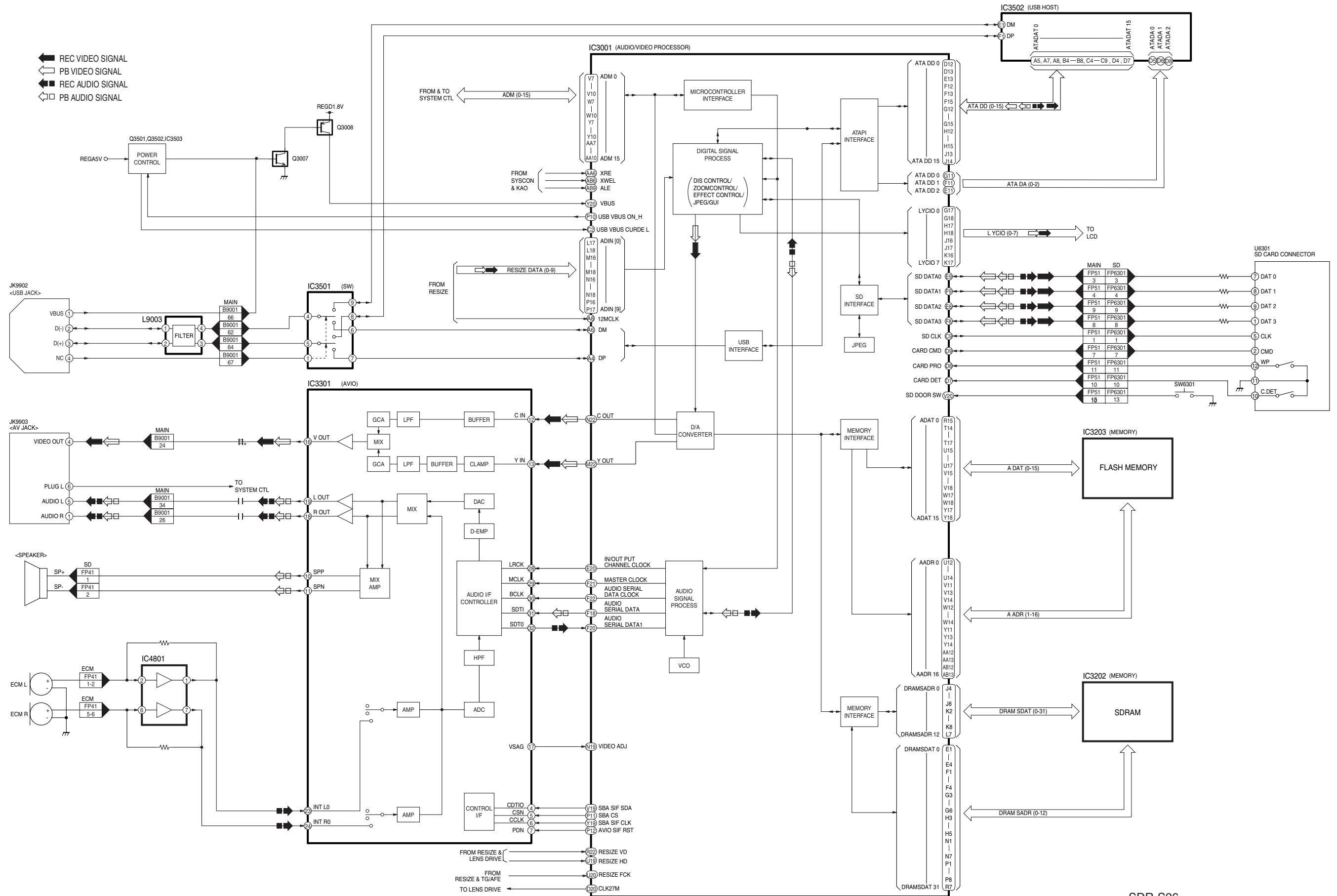
SDR-S26 LENS DRIVE BLOCK DIAGRAM

7.4. SYSTEM CONTROL BLOCK DIAGRAM



SDR-S26 SYSTEM CONTROL BLOCK DIAGRAM

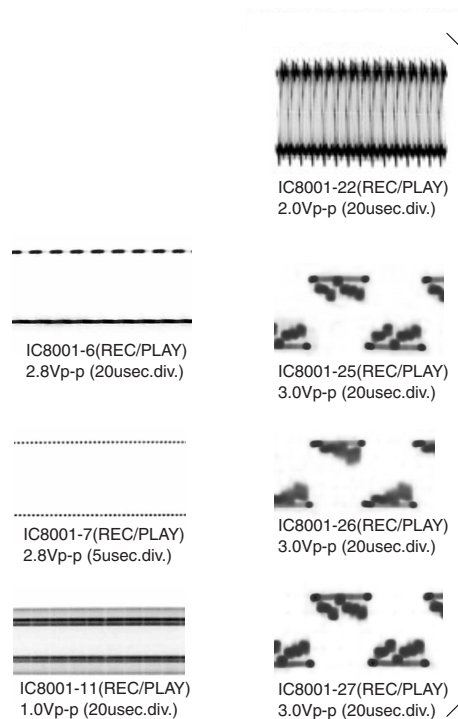
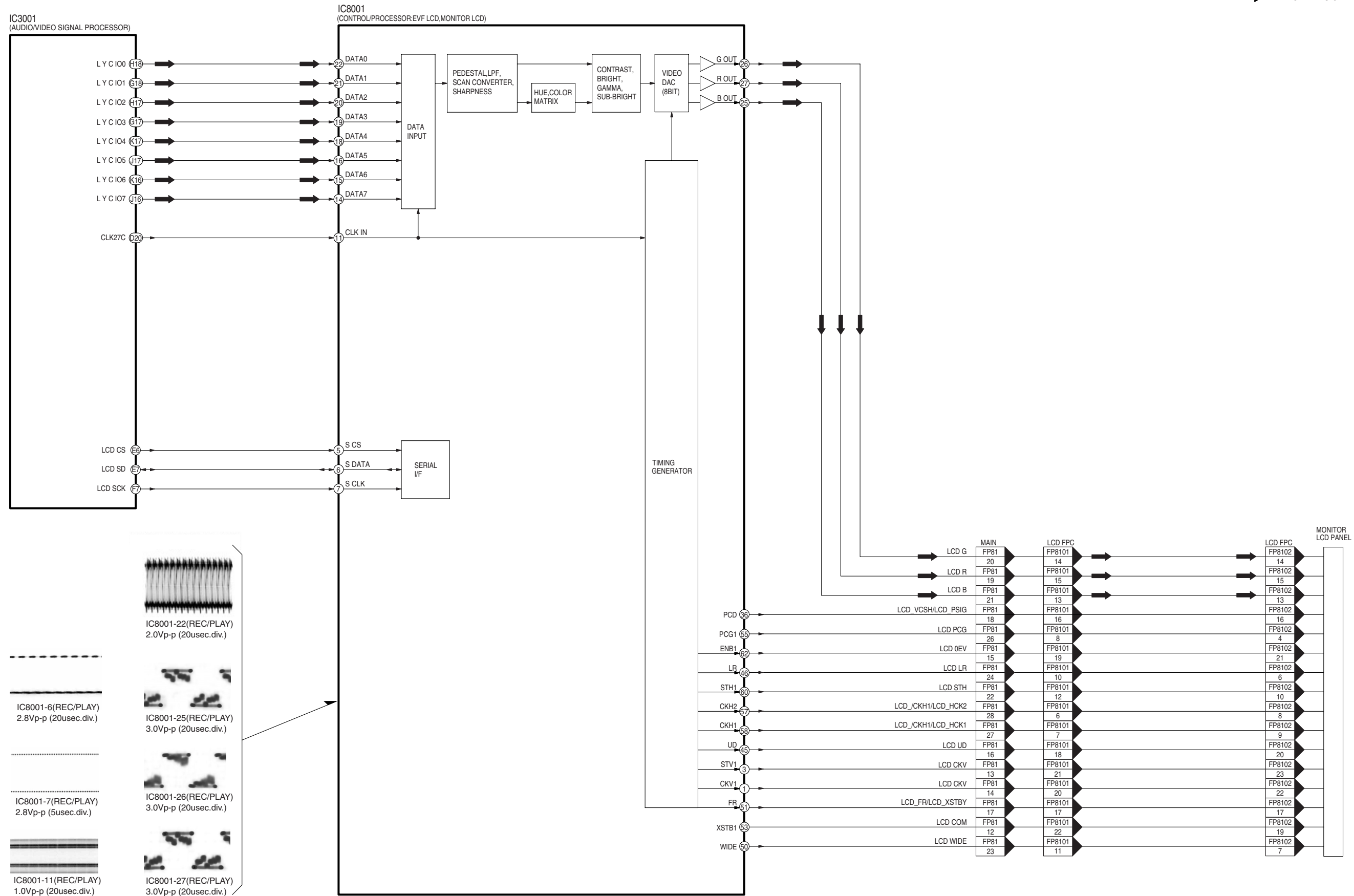
7.5. AUDIO/VIDEO BLOCK DIAGRAM



SDR-S26 AUDIO/VIDEO BLOCK DIAGRAM

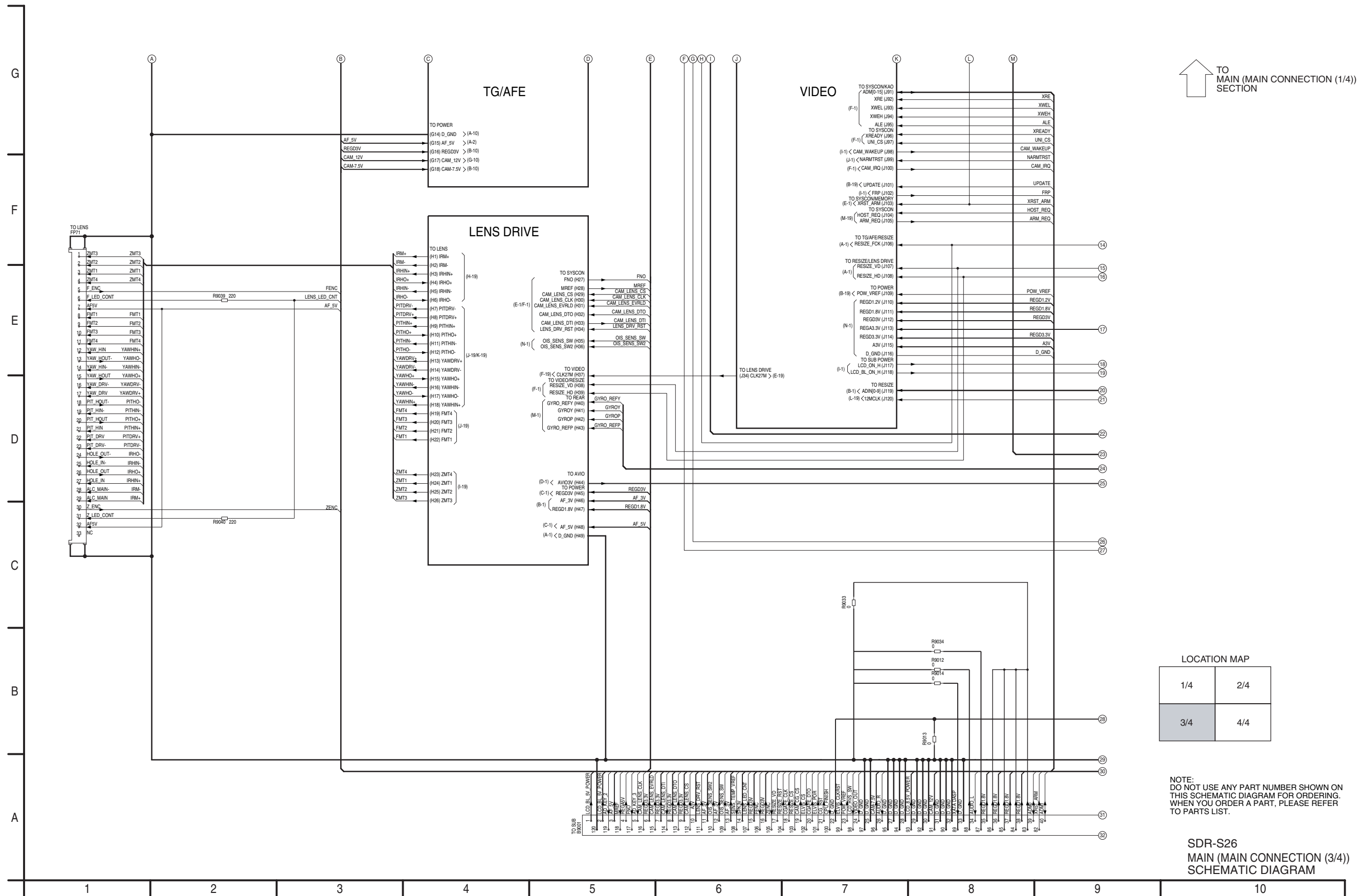
7.6. MONITOR BLOCK DIAGRAM

➔ :VIDEO MAIN SIGNAL PATH

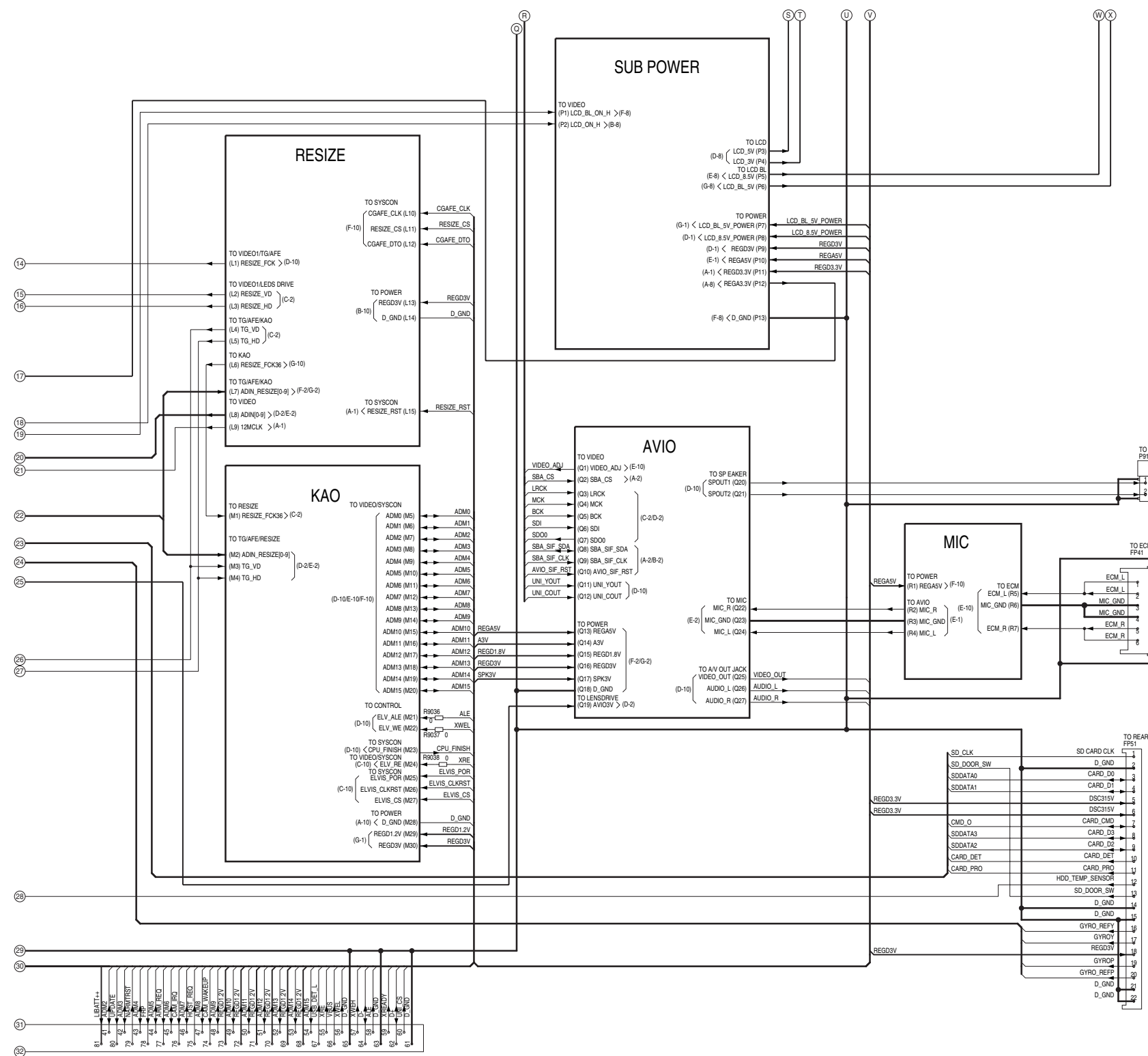


SDR-S26
MONITOR BLOCK DIAGRAM

8.3. MAIN (MAIN CONNECTION (3/4)) SCHEMATIC DIAGRAM



8.4. MAIN (MAIN CONNECTION (4/4)) SCHEMATIC DIAGRAM



↑ TO MAIN (MAIN CONNECTION (2/4)) SECTION

LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

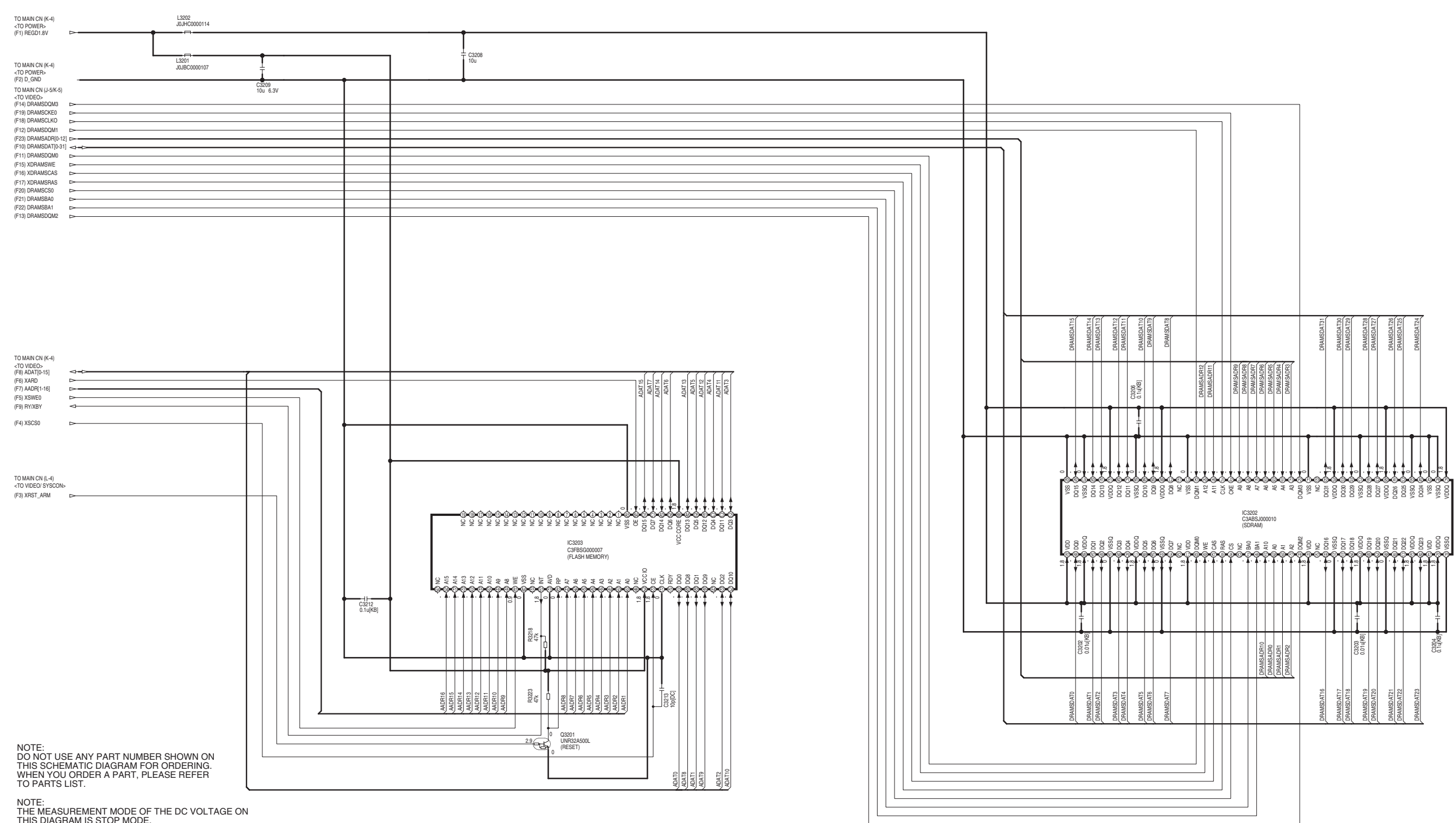
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

SDR-S26
MAIN (MAIN CONNECTION (4/4))
SCHEMATIC DIAGRAM

8.5. MAIN (MEMORY) SCHEMATIC DIAGRAM

(MAIN P.C.B.)
REFER TO MAIN CONNECTION

G
F
E
D
C
B
A



NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

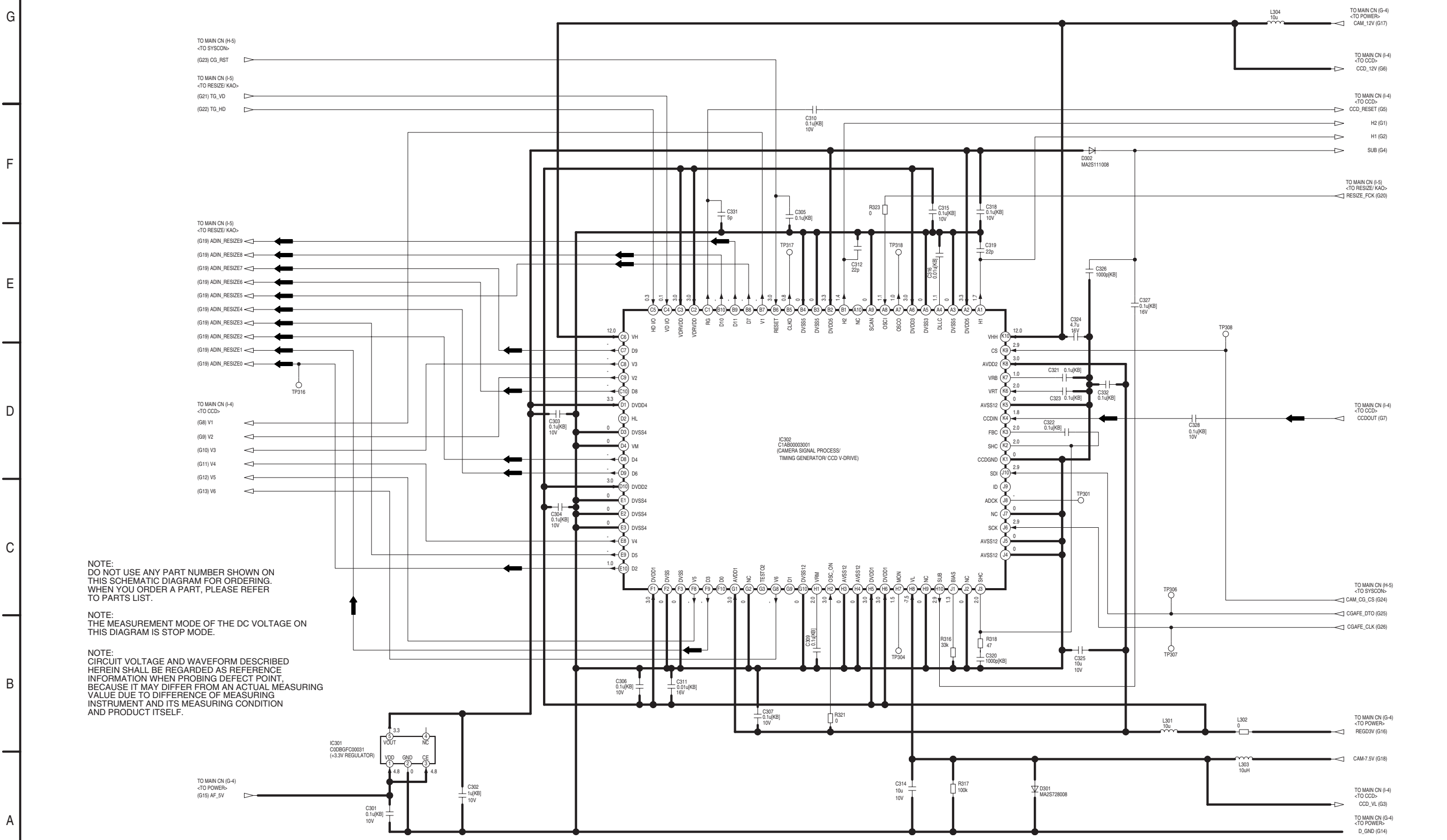
NOTE:
CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED HEREIN SHALL BE REGARDED AS REFERENCE INFORMATION WHEN PROBING DEFECT POINT, BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING VALUE DUE TO DIFFERENCE OF MEASURING INSTRUMENT AND ITS MEASURING CONDITION AND PRODUCT ITSELF.

SDR-S26
MAIN (MEMORY) SCHEMATIC DIAGRAM

8.6. MAIN (TG/AFE) SCHEMATIC DIAGRAM

(MAIN P.C.B.)
REFER TO MAIN CONNECTION

➔ VIDEO MAIN SIGNAL PATH



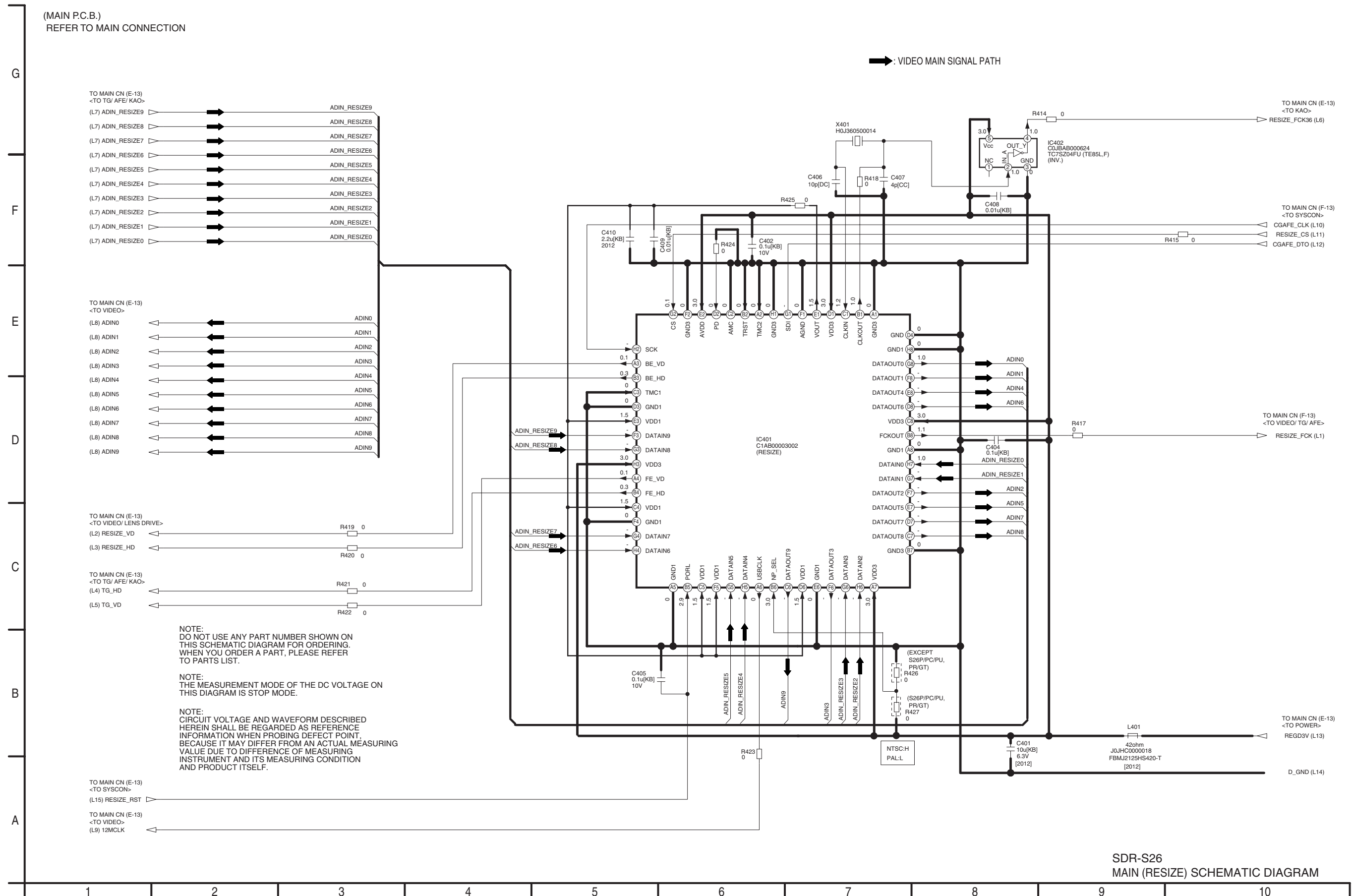
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

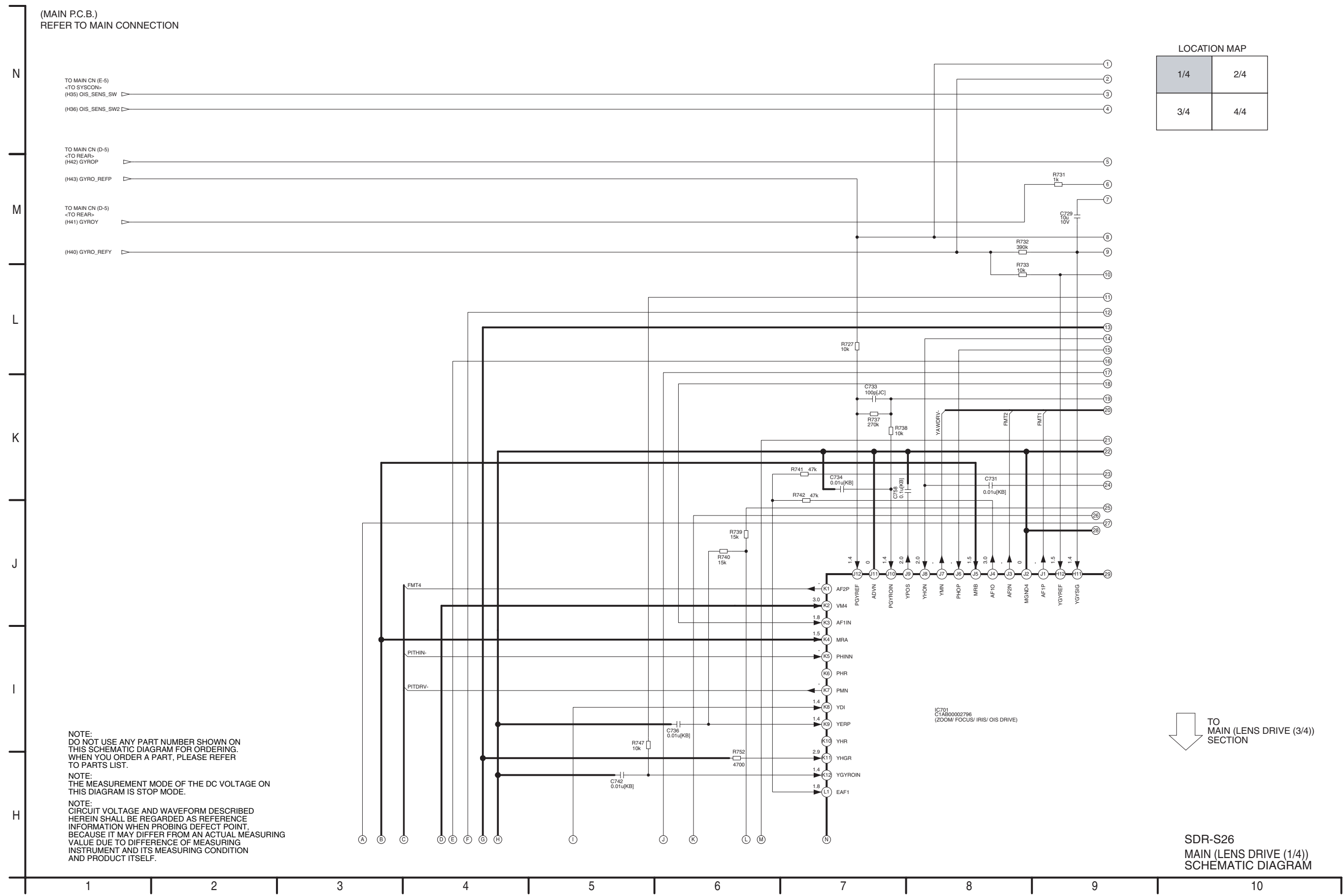
NOTE:
CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED HEREIN SHALL BE REGARDED AS REFERENCE INFORMATION WHEN PROBING DEFECT POINT, BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING VALUE DUE TO DIFFERENCE OF MEASURING INSTRUMENT AND ITS MEASURING CONDITION AND PRODUCT ITSELF.

SDR-S26
MAIN (TG/ AFE) SCHEMATIC DIAGRAM

8.7. MAIN (RESIZE) SCHEMATIC DIAGRAM



8.9. MAIN (LENS DRIVE (1/4)) SCHEMATIC DIAGRAM



LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

8.10. MAIN (LENS DRIVE (2/4)) SCHEMATIC DIAGRAM

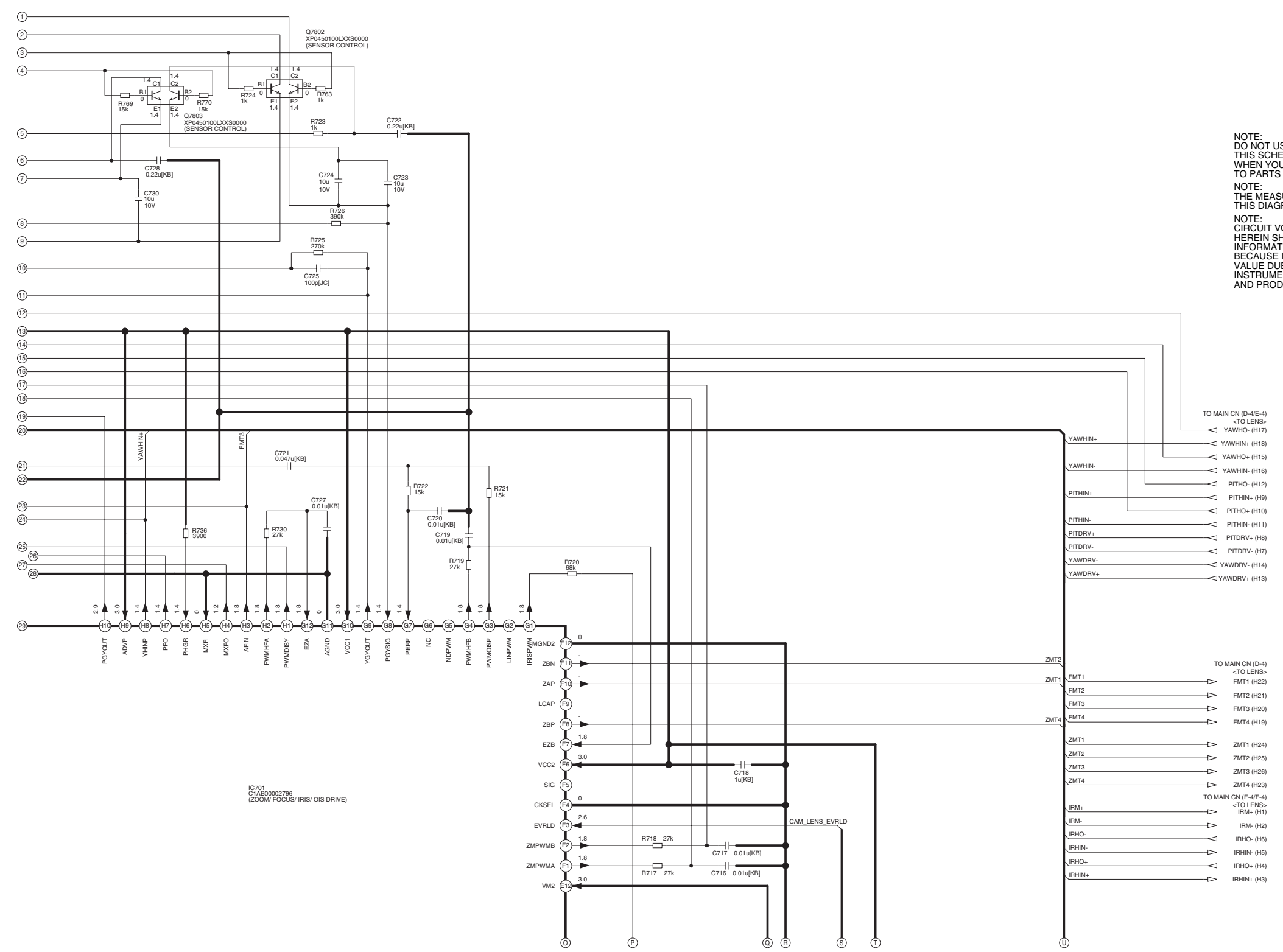
LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

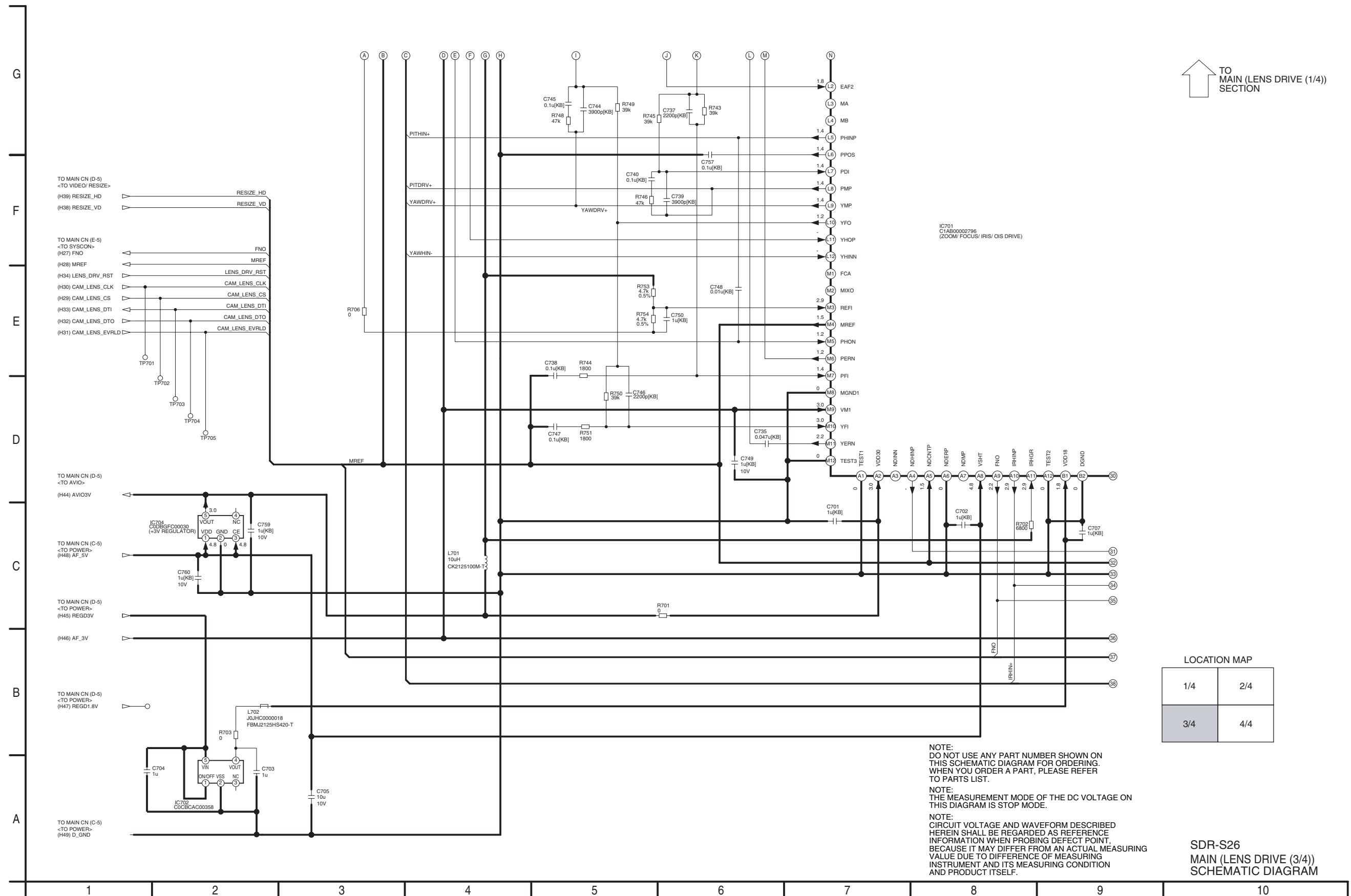
NOTE:
CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED HEREIN SHALL BE REGARDED AS REFERENCE INFORMATION WHEN PROBING DEFECT POINT. BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING VALUE DUE TO DIFFERENCE OF MEASURING INSTRUMENT AND ITS MEASURING CONDITION AND PRODUCT ITSELF.



TO MAIN (LENS DRIVE (4/4)) SECTION

SDR-S26
MAIN (LENS DRIVE (2/4))
SCHEMATIC DIAGRAM

8.11. MAIN (LENS DRIVE (3/4)) SCHEMATIC DIAGRAM



↑ TO MAIN (LENS DRIVE (1/4)) SECTION

LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

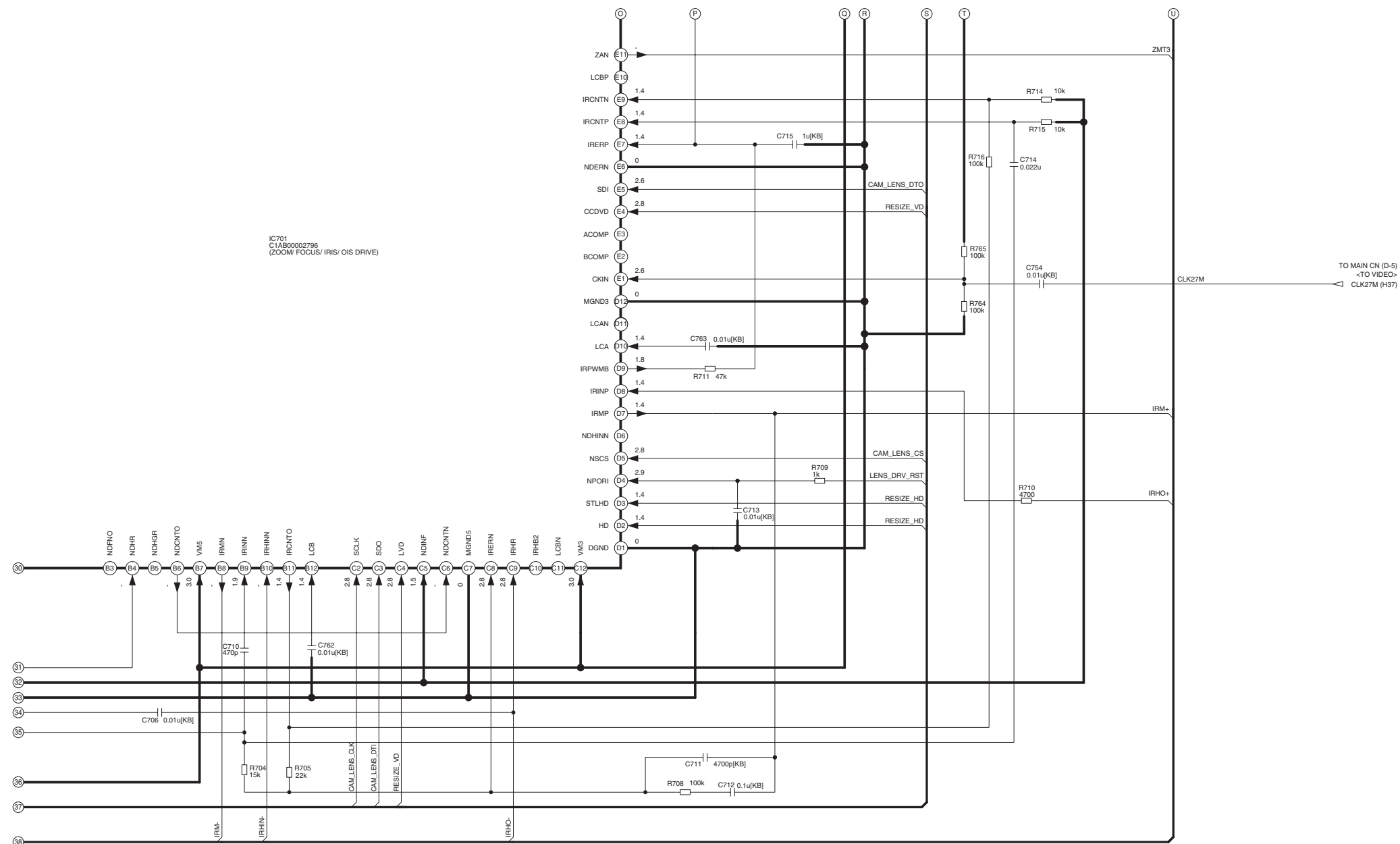
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:
CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED HEREIN SHALL BE REGARDED AS REFERENCE INFORMATION WHEN PROBING DEFECT POINT, BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING VALUE DUE TO DIFFERENCE OF MEASURING INSTRUMENT AND ITS MEASURING CONDITION AND PRODUCT ITSELF.

SDR-S26
MAIN (LENS DRIVE (3/4))
SCHEMATIC DIAGRAM

8.12. MAIN (LENS DRIVE (4/4)) SCHEMATIC DIAGRAM



↑ TO MAIN (LENS DRIVE (2/4)) SECTION

LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

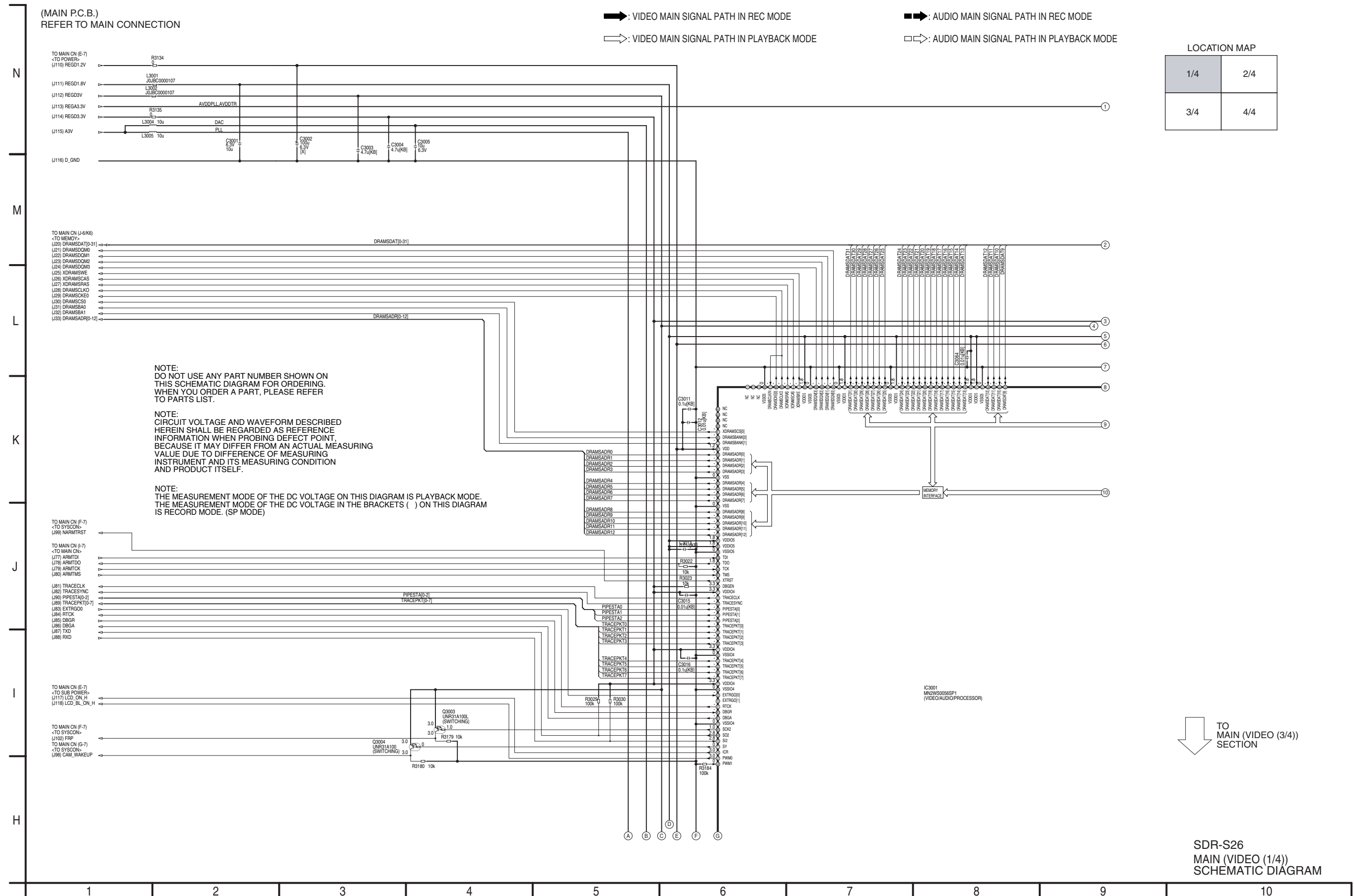
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:
CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED HEREIN SHALL BE REGARDED AS REFERENCE INFORMATION WHEN PROBING DEFECT POINT BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING VALUE DUE TO DIFFERENCE OF MEASURING INSTRUMENT AND ITS MEASURING CONDITION AND PRODUCT ITSELF.

SDR-S26
MAIN (LENS DRIVE (4/4))
SCHEMATIC DIAGRAM

8.13. MAIN (VIDEO (1/4)) SCHEMATIC DIAGRAM

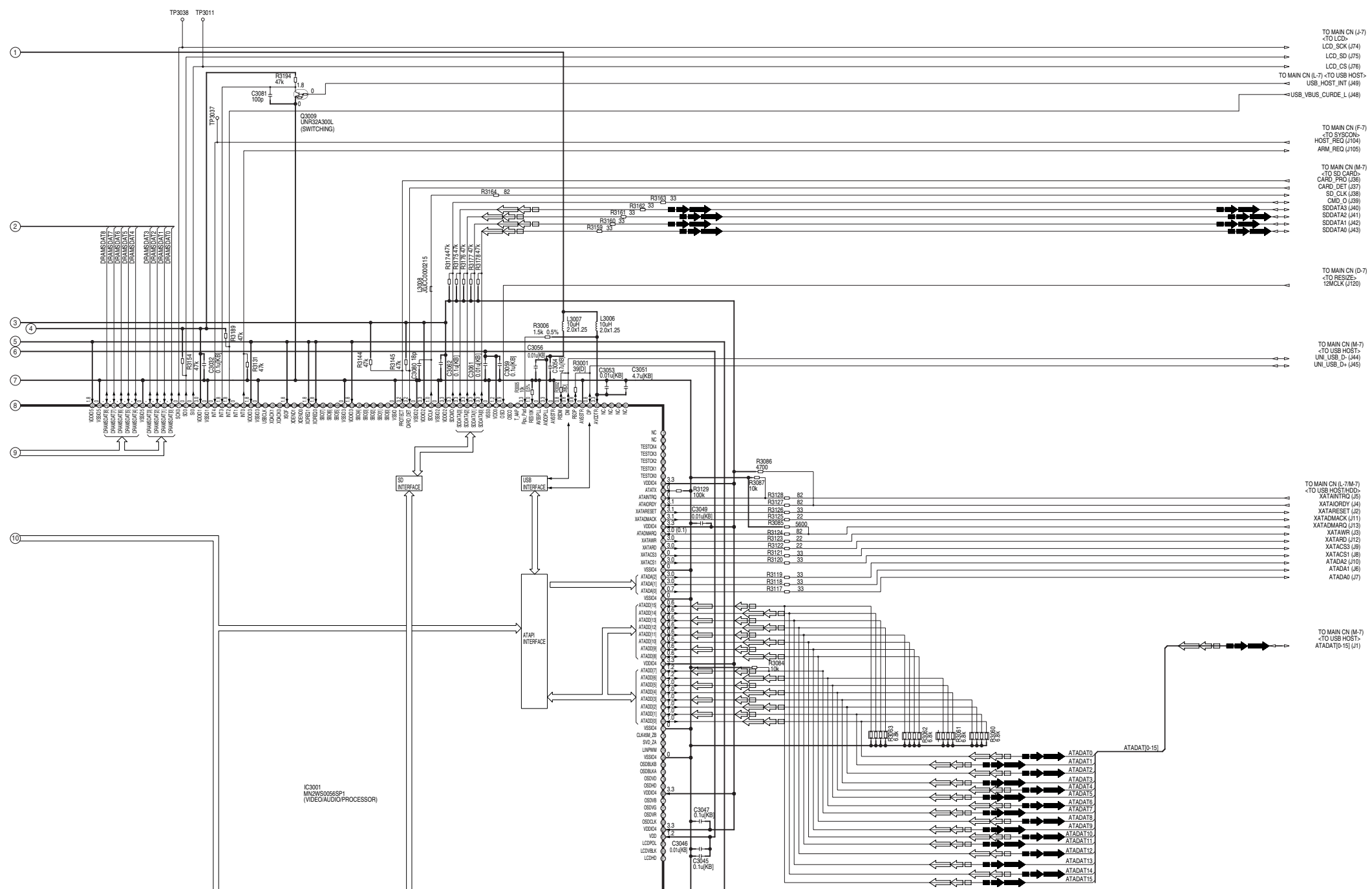


8.14. MAIN (VIDEO (2/4)) SCHEMATIC DIAGRAM

→ VIDEO MAIN SIGNAL PATH IN REC MODE
 → AUDIO MAIN SIGNAL PATH IN REC MODE
 ⇨ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
 ⇨ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |



- TO MAIN CN (1-7)
<TO LCD>
LCD_SCK (174)
LCD_SD (175)
LCD_CS (176)
TO MAIN CN (L-7) <TO USB HOST>
USB_HOST_INT (149)
USB_VBUS_CURDE_L (148)
- TO MAIN CN (F-7)
<TO SYSTEM>
HOST_REQ (104)
ARM_REQ (105)
- TO MAIN CN (M-7)
<TO SD CARD>
CARD_PRO (136)
CARD_DET (137)
SD_CLK (138)
CMD_0 (139)
SDATA0 (140)
SDATA1 (141)
SDATA2 (142)
SDATA3 (143)
- TO MAIN CN (D-7)
<TO RESIZE>
TMCLK (120)
- TO MAIN CN (M-7)
<TO USB HOST>
UNI_USB_D- (144)
UNI_USB_D+ (145)
- TO MAIN CN (L-7M-7)
<TO USB HOST>
XATAINTRQ (15)
XATA0 (14)
XATA1 (16)
XATA2 (17)
XATA3 (18)
XATA4 (19)
XATA5 (20)
XATA6 (21)
XATA7 (22)
XATA8 (23)
XATA9 (24)
XATA10 (25)
XATA11 (26)
XATA12 (27)
XATA13 (28)
XATA14 (29)
XATA15 (30)
- TO MAIN CN (M-7)
<TO USB HOST>
ATADAT0-15 (11)

NOTE:
CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED
HEREIN SHALL BE REGARDED AS REFERENCE
INFORMATION WHEN PROBING DEFECT POINT.
BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING
VALUE DUE TO DIFFERENCE OF MEASURING
INSTRUMENT AND ITS MEASURING CONDITION
AND PRODUCT ITSELF.

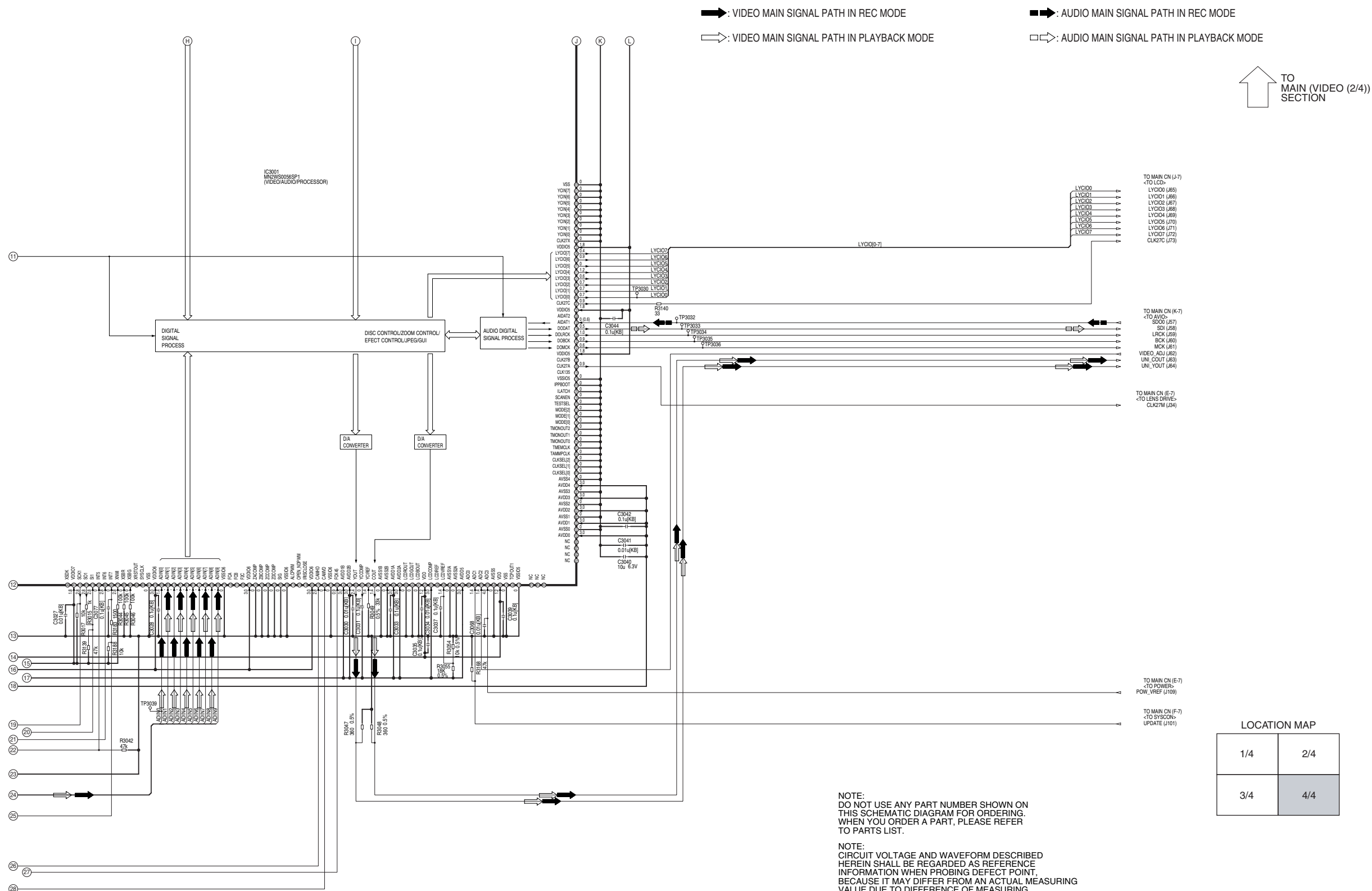
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON
THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER
TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS PLAYBACK MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS () ON THIS DIAGRAM
IS RECORD MODE. (SP MODE)

↓ TO MAIN (VIDEO (4/4)) SECTION

SDR-S26
MAIN (VIDEO (2/4))
SCHEMATIC DIAGRAM

8.16. MAIN (VIDEO (4/4)) SCHEMATIC DIAGRAM



→ : VIDEO MAIN SIGNAL PATH IN REC MODE
 ⇨ : VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

→ : AUDIO MAIN SIGNAL PATH IN REC MODE
 ⇨ : AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

↑ TO MAIN (VIDEO (2/4)) SECTION

TO MAIN CN (J-7)
 -TO LCD-
 LYC00 (J85)
 LYC01 (J86)
 LYC02 (J87)
 LYC03 (J88)
 LYC04 (J89)
 LYC05 (J70)
 LYC06 (J71)
 LYC07 (J72)
 CLK27C (J73)

TO MAIN CN (K-7)
 -TO AVIC-
 SD00 (J57)
 S00 (J58)
 LRCK (J59)
 BCK (J60)
 MCK (J61)
 VIDEO_ADJ (J62)
 UNI_OUT (J63)
 UNI_VOLT (J64)

TO MAIN CN (E-7)
 -TO LENS DRIVE-
 CLK27M (J54)

TO MAIN CN (E-7)
 -TO POWERS-
 POW_VREF (J109)

TO MAIN CN (F-7)
 -TO SYSCON-
 UPDATE (J101)

LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

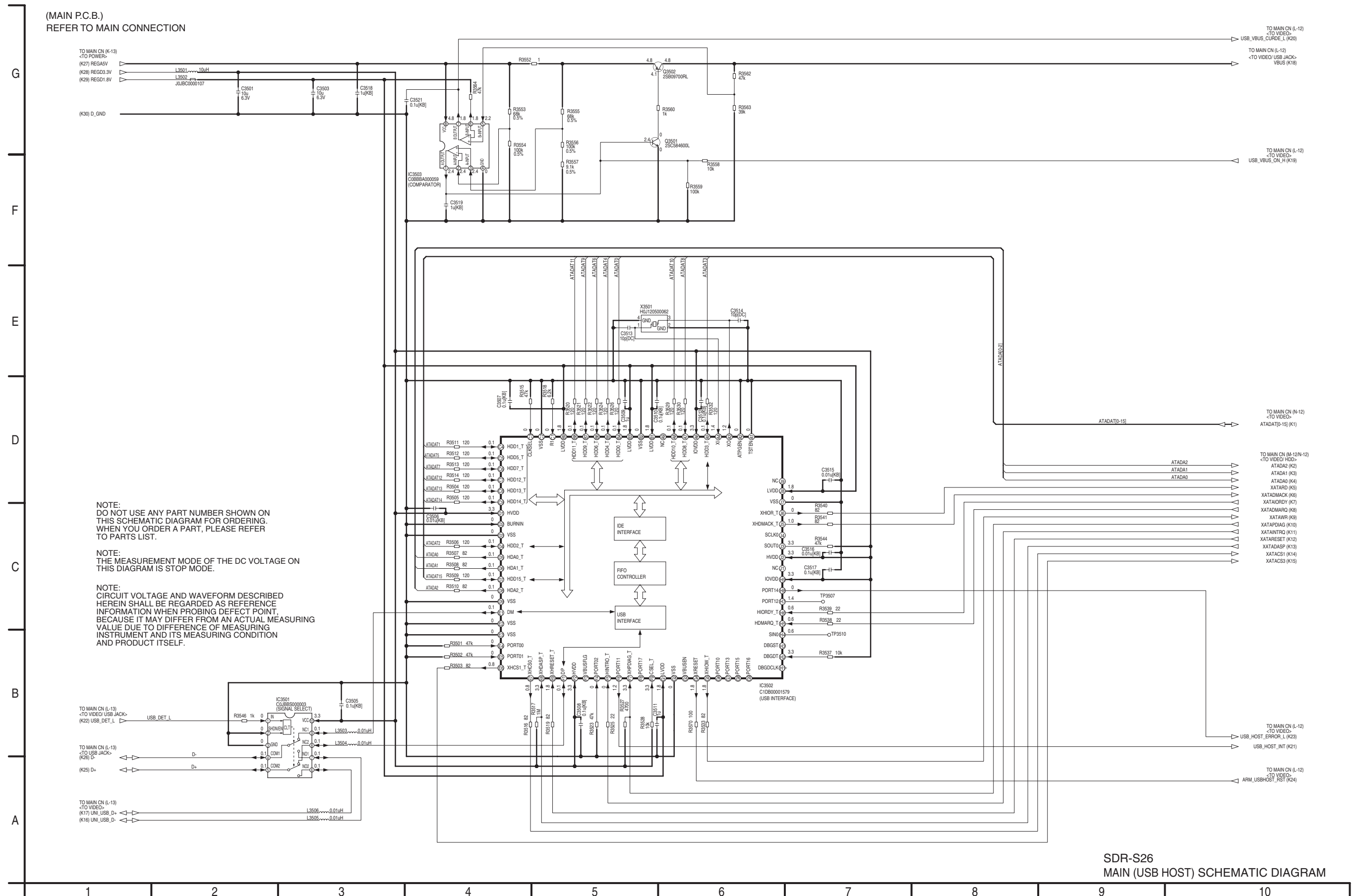
NOTE:
 DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE:
 CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED HEREIN SHALL BE REGARDED AS REFERENCE INFORMATION WHEN PROBING DEFECT POINT, BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING VALUE DUE TO DIFFERENCE OF MEASURING INSTRUMENT AND ITS MEASURING CONDITION AND PRODUCT ITSELF.

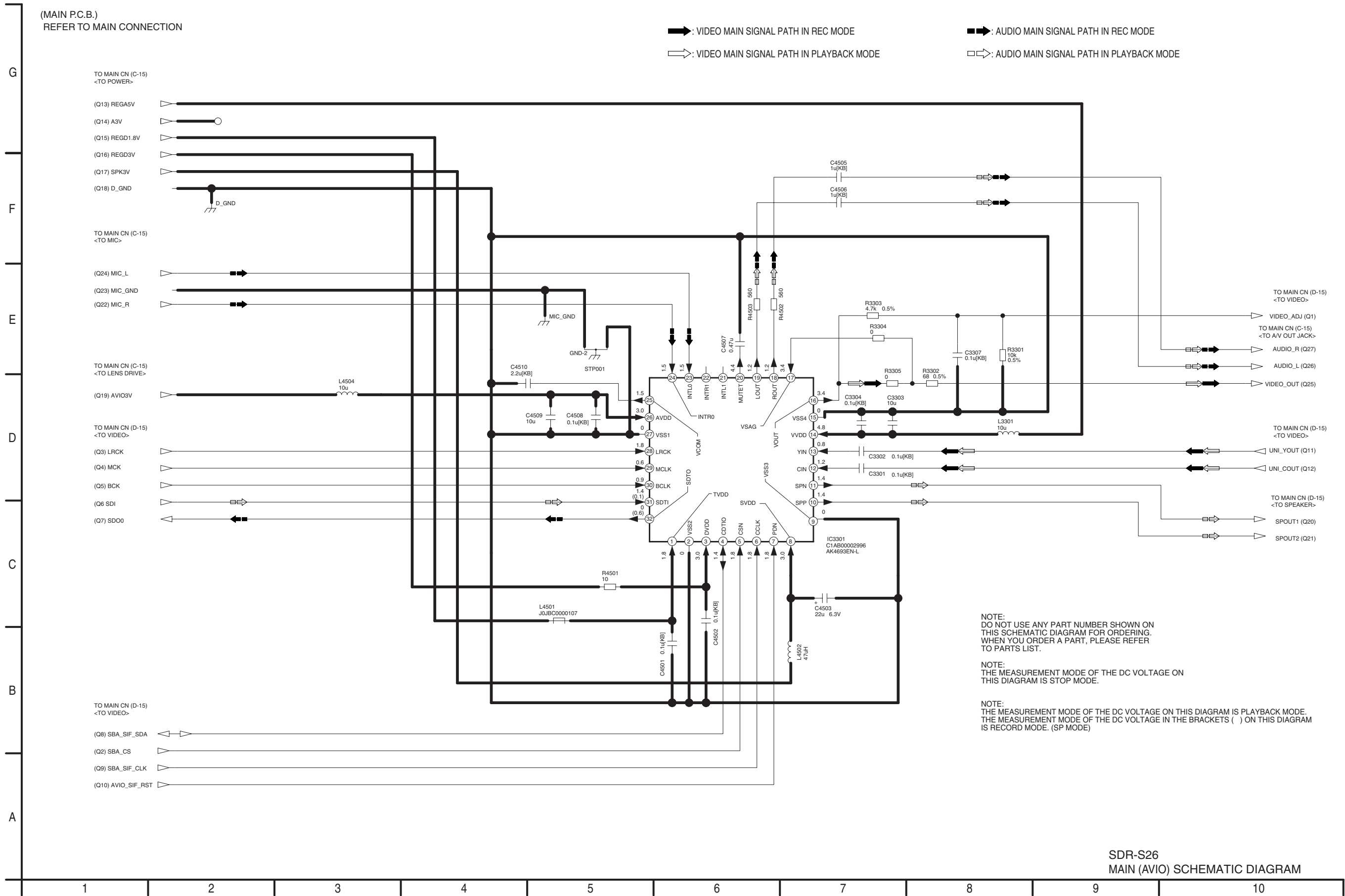
NOTE:
 THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS PLAYBACK MODE. THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS () ON THIS DIAGRAM IS RECORD MODE. (SP MODE)

SDR-S26
 MAIN (VIDEO (4/4))
 SCHEMATIC DIAGRAM

8.17. MAIN (USB HOST) SCHEMATIC DIAGRAM

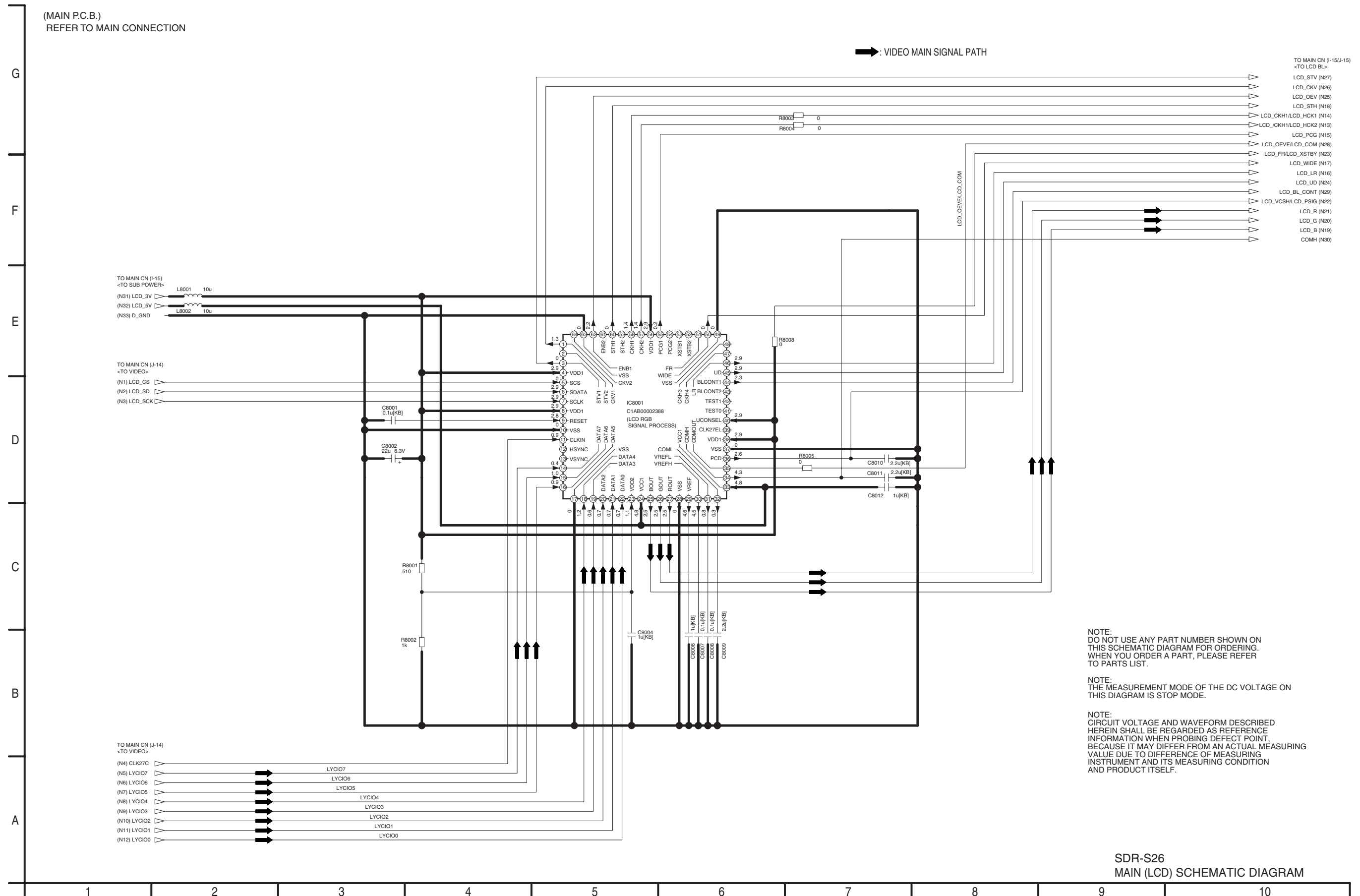


8.18. MAIN (AVIO) SCHEMATIC DIAGRAM



SDR-S26
MAIN (AVIO) SCHEMATIC DIAGRAM

8.19. MAIN (LCD) SCHEMATIC DIAGRAM

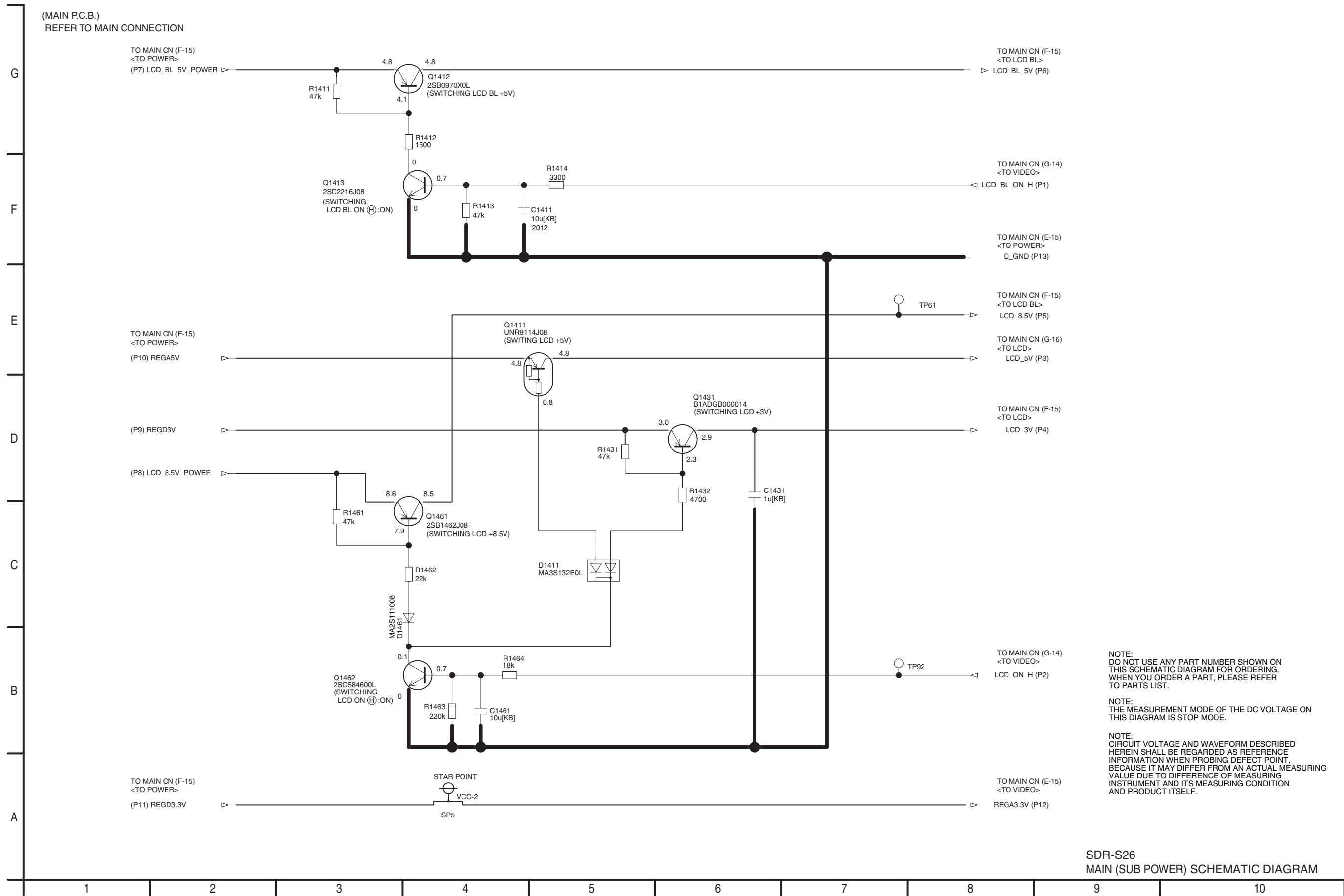


NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

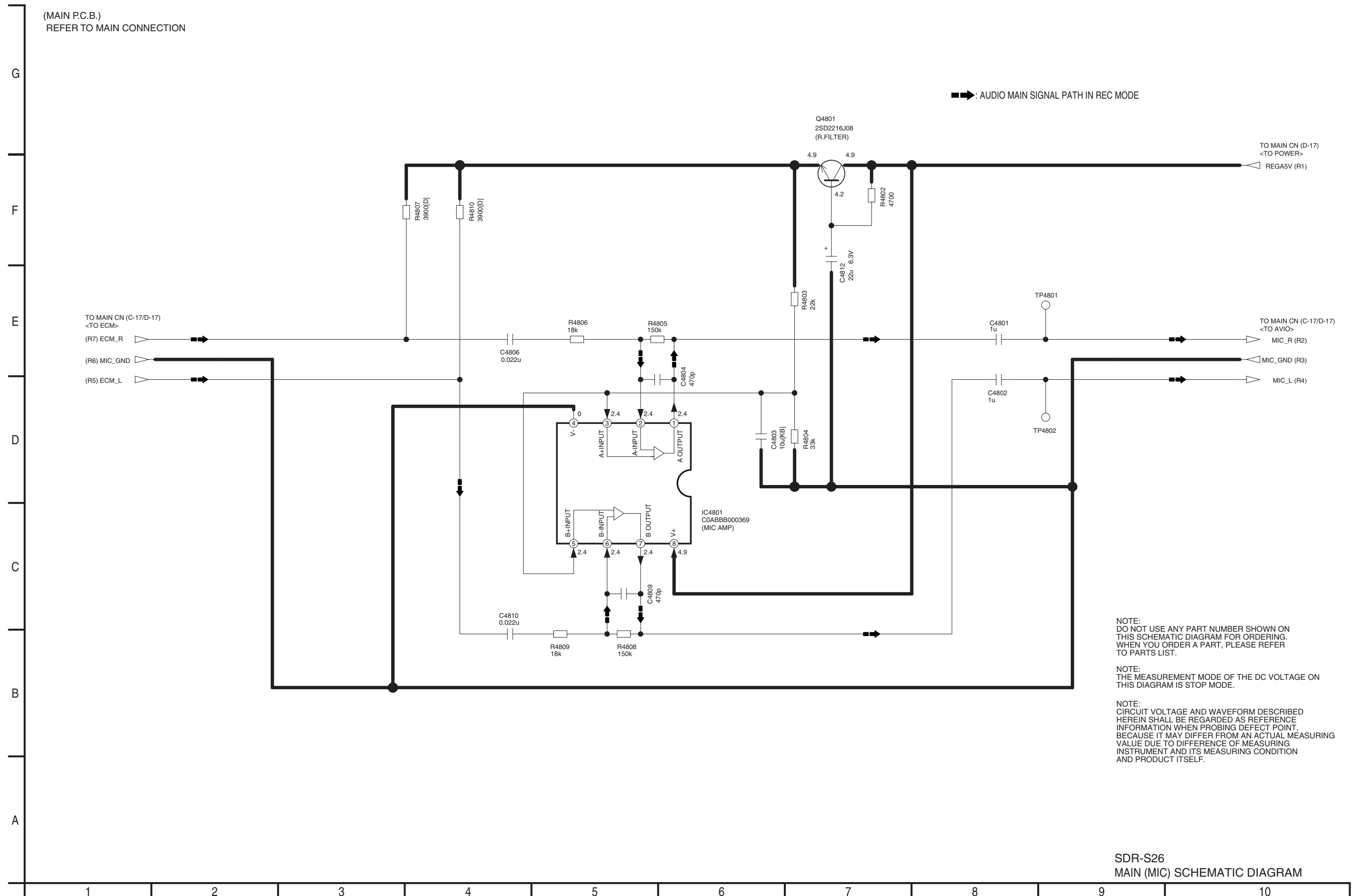
NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:
CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED HEREIN SHALL BE REGARDED AS REFERENCE INFORMATION WHEN PROBING DEFECT POINT, BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING VALUE DUE TO DIFFERENCE OF MEASURING INSTRUMENT AND ITS MEASURING CONDITION AND PRODUCT ITSELF.

8.20. MAIN (SUB-POWER) SCHEMATIC DIAGRAM



8.21. MAIN (MIC) SCHEMATIC DIAGRAM



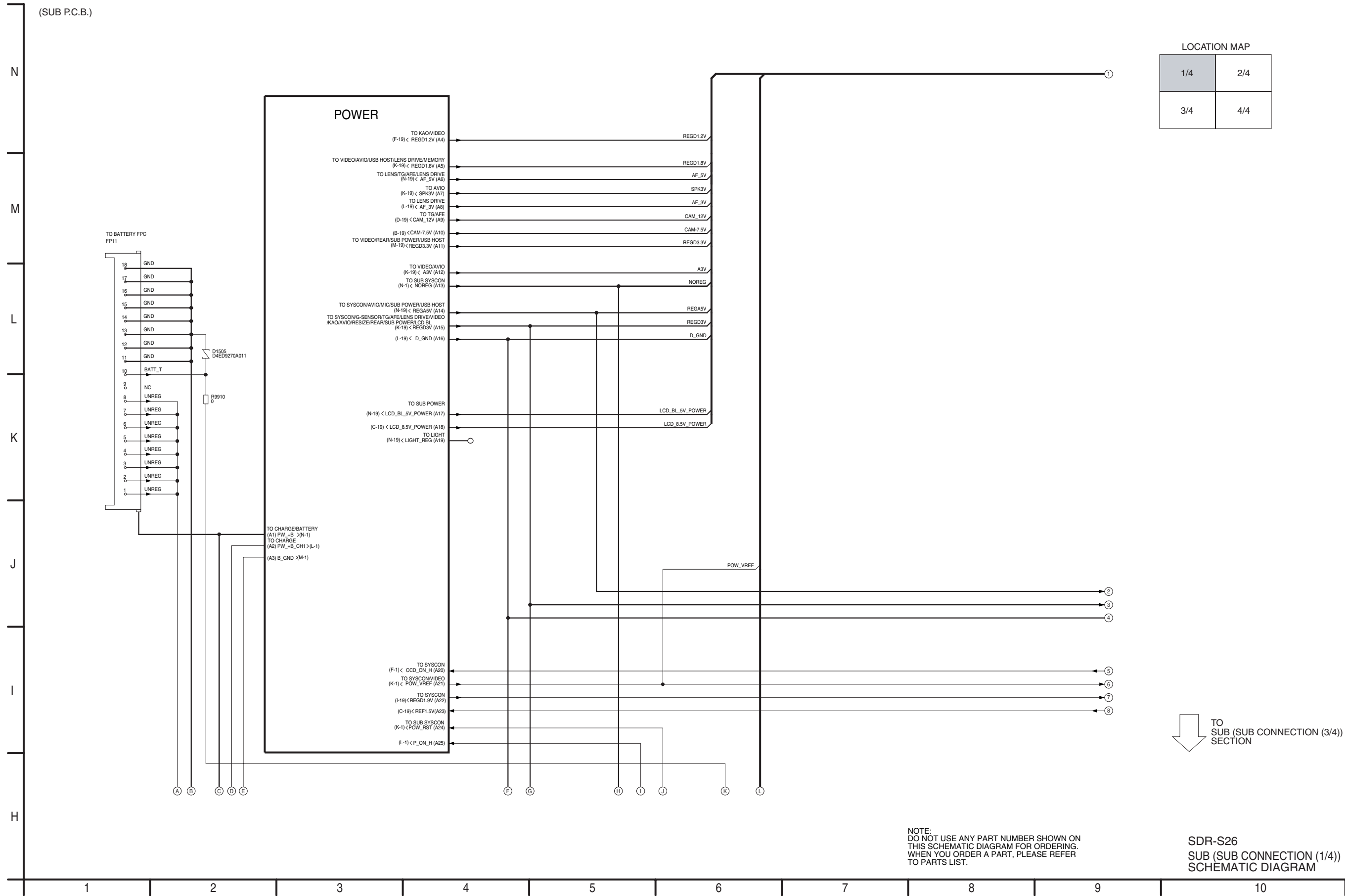
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

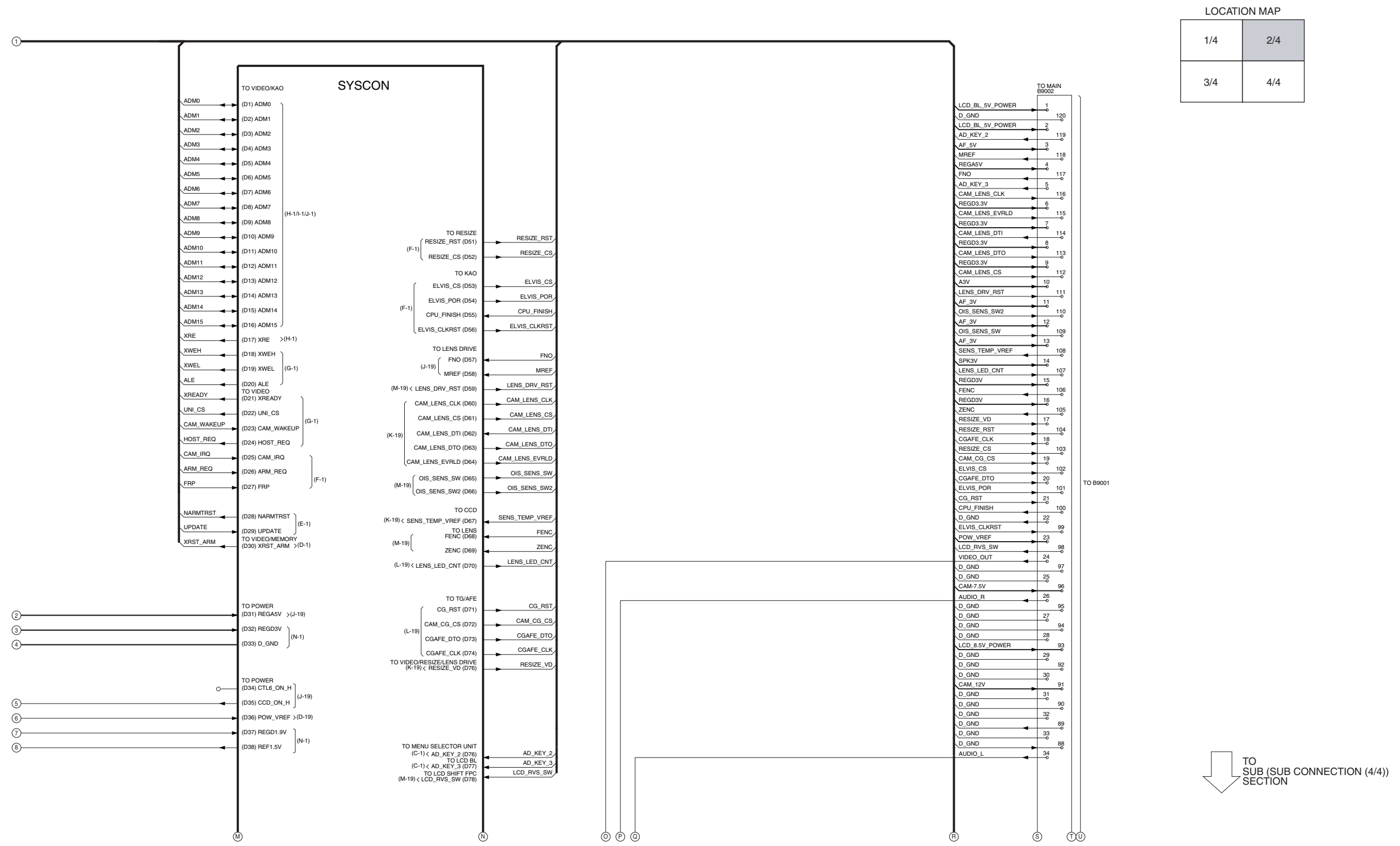
NOTE:
CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED HEREIN SHALL BE REGARDED AS REFERENCE INFORMATION WHEN PROBING DEFECT POINT. BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING VALUE DUE TO DIFFERENCE OF MEASURING INSTRUMENT AND ITS MEASURING CONDITION AND PRODUCT ITSELF.

SDR-S26
MAIN (MIC) SCHEMATIC DIAGRAM

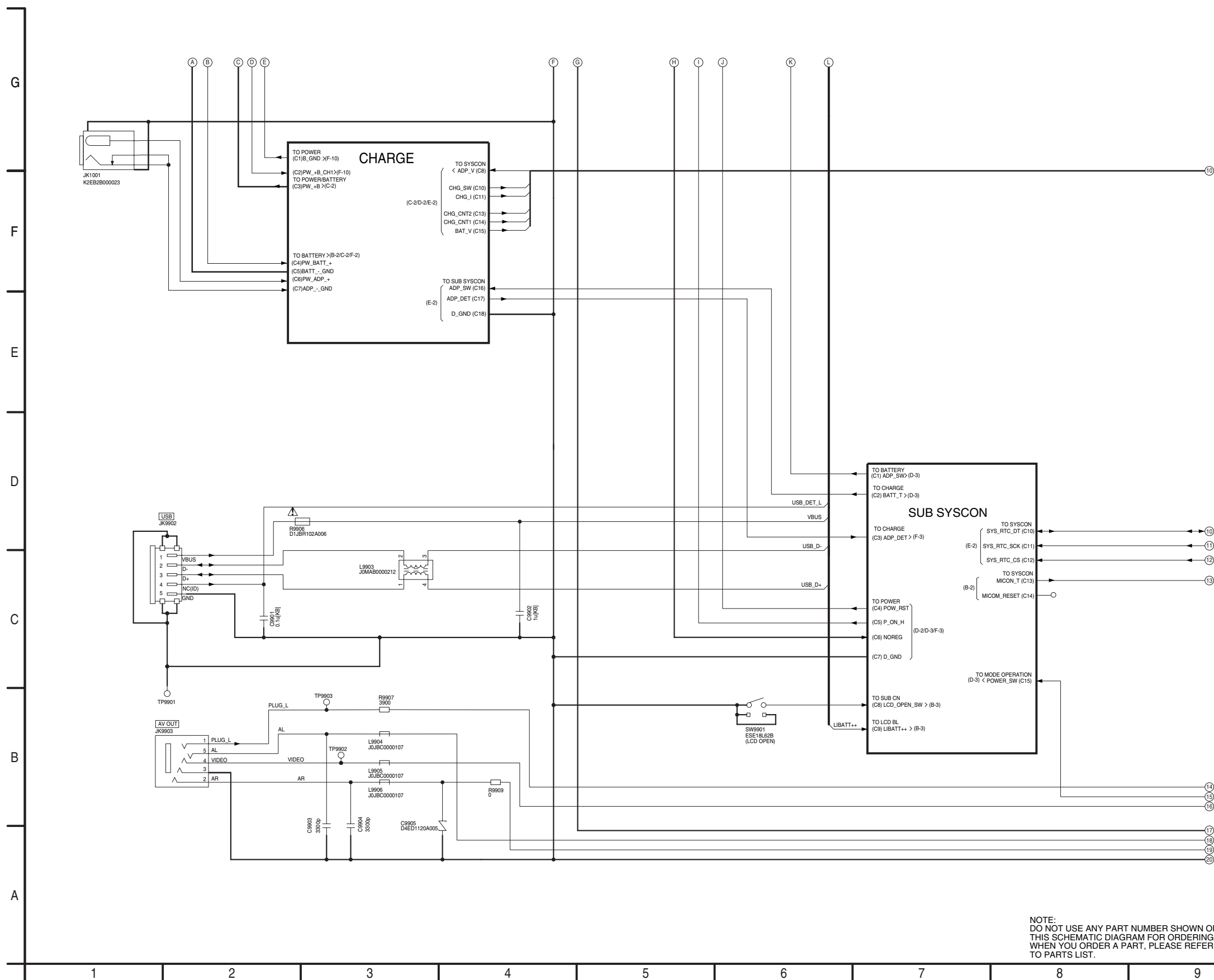
8.22. SUB (SUB CONNECTION (1/4)) SCHEMATIC DIAGRAM



8.23. SUB (SUB CONNECTION (2/4)) SCHEMATIC DIAGRAM



8.24. SUB (SUB CONNECTION (3/4)) SCHEMATIC DIAGRAM



↑ TO SUB (SUB CONNECTION (1/4)) SECTION

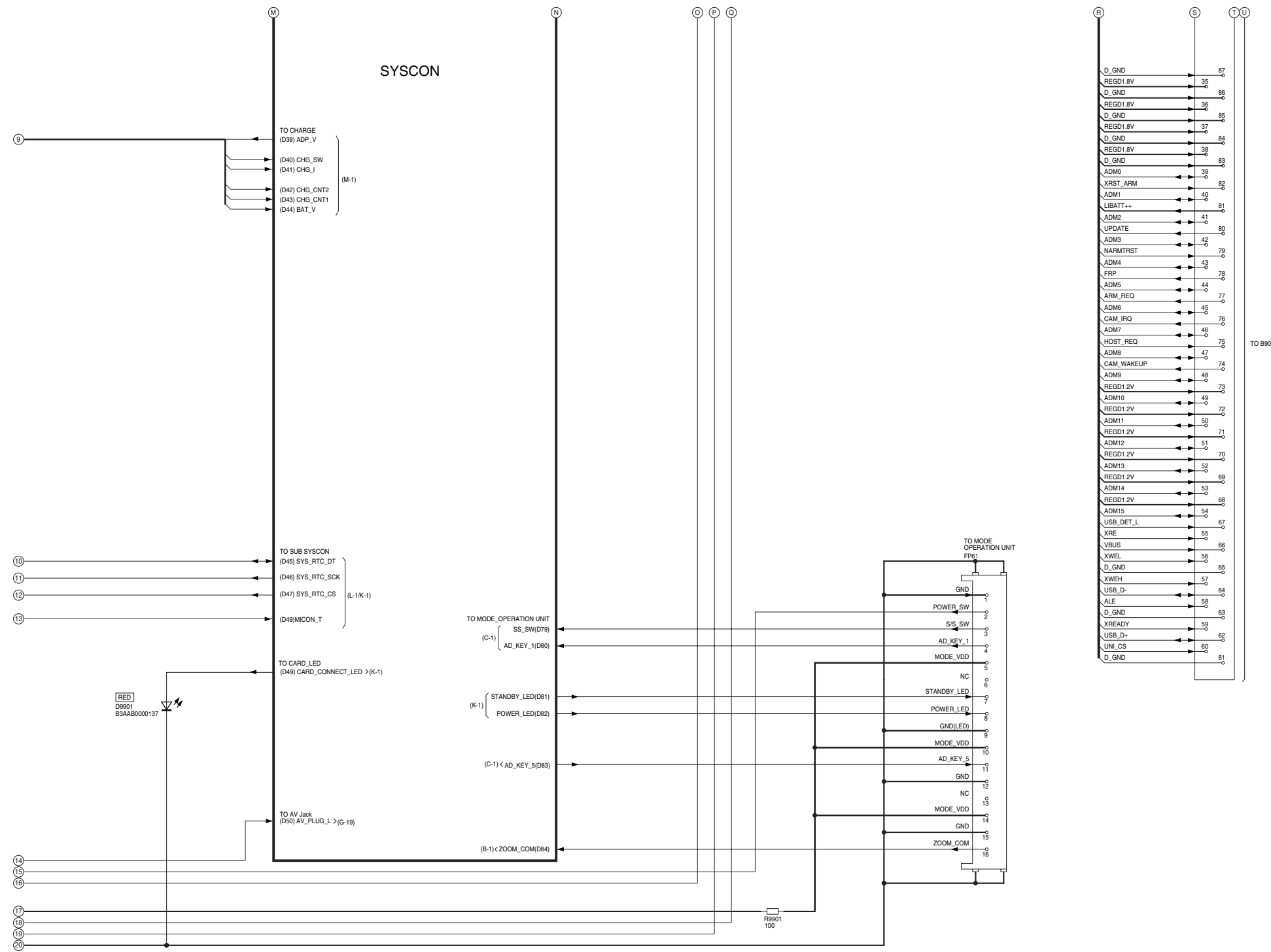
LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

SDR-S26
SUB (SUB CONNECTION (3/4))
SCHEMATIC DIAGRAM

8.25. SUB (SUB CONNECTION (4/4)) SCHEMATIC DIAGRAM



↑ TO SUB (SUB CONNECTION (2/4)) SECTION

LOCATION MAP

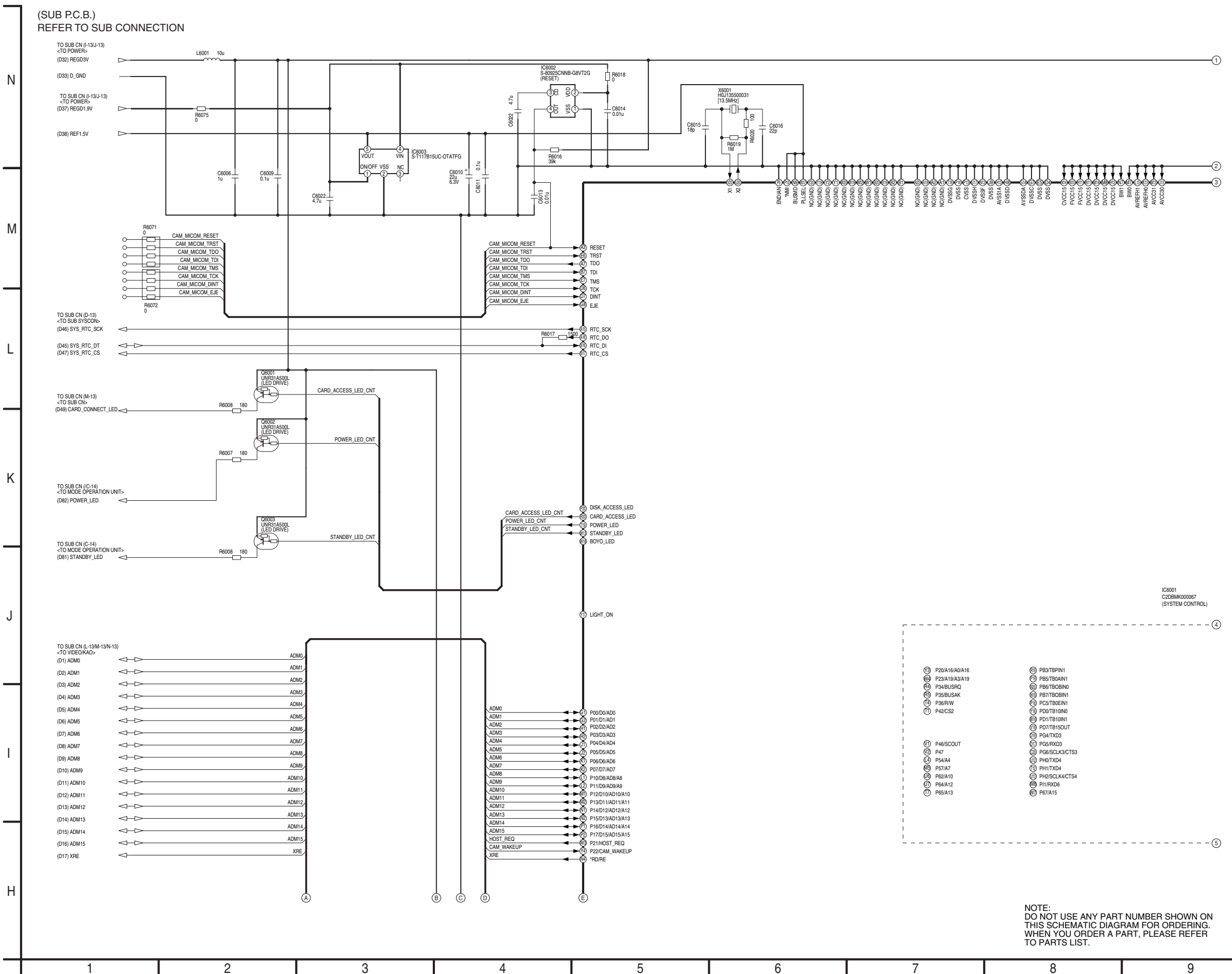
| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

SDR-S26
SUB (SUB CONNECTION (4/4))
SCHEMATIC DIAGRAM



8.26. SUB (SYSCON (1/4)) SCHEMATIC DIAGRAM



LOCATION MAP

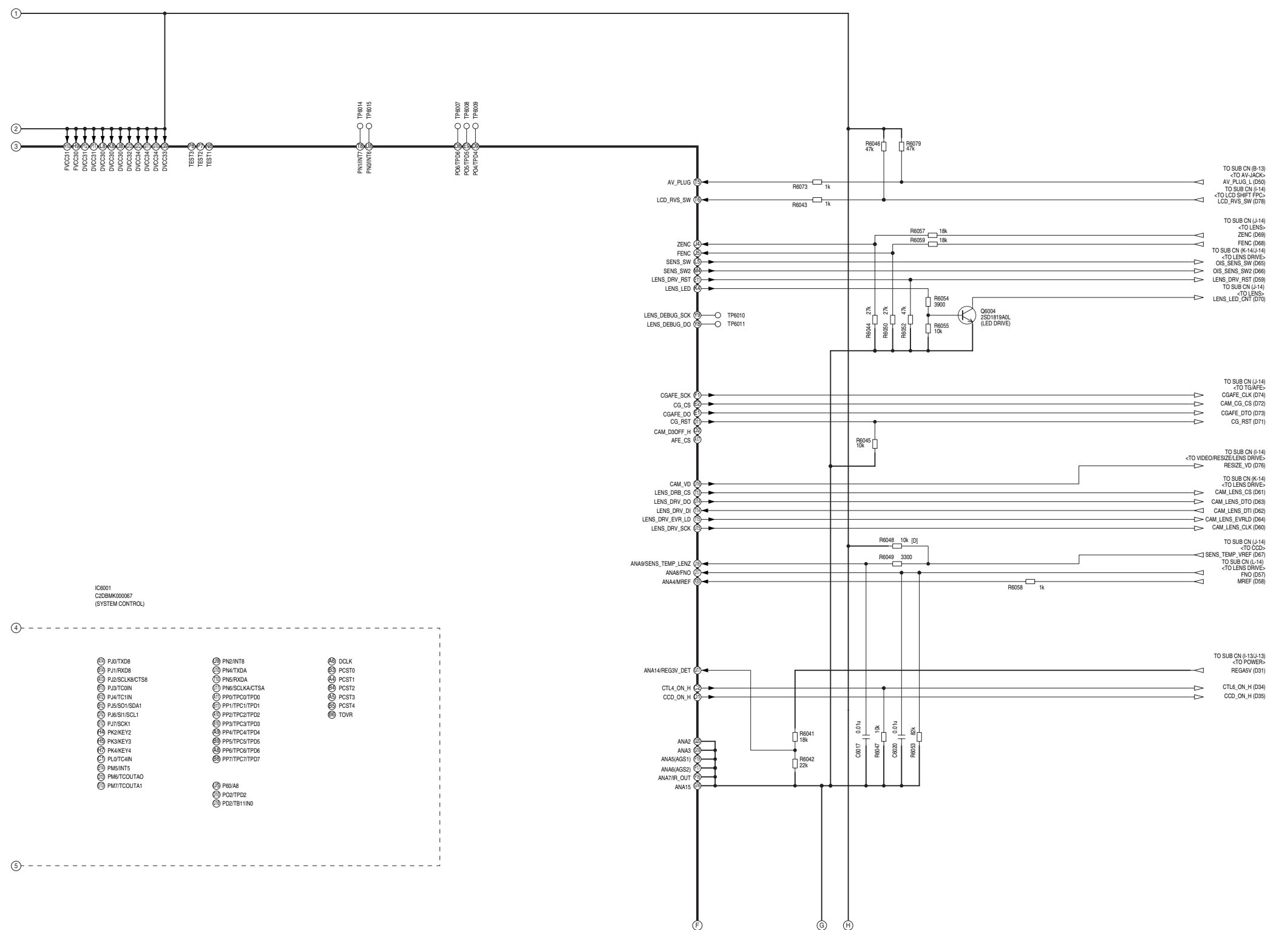
| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

- Ⓜ P20/A16/A0/A16
- Ⓜ P23/A18/A3/A19
- Ⓜ P34/BUSRQ
- Ⓜ P35/BUSAK
- Ⓜ P36/R/W
- Ⓜ P42/CSZ
- Ⓜ P46/SCOUT
- Ⓜ P47
- Ⓜ P54/A4
- Ⓜ P57/A7
- Ⓜ P82/A10
- Ⓜ P84/A12
- Ⓜ P85/A13
- Ⓜ P83/TBPN1
- Ⓜ P85/TBOAN1
- Ⓜ P86/TBOBIN0
- Ⓜ P87/TBOBIN1
- Ⓜ P87/TBOBIN1
- Ⓜ P87/TBOEN1
- Ⓜ P87/TB10M0
- Ⓜ P87/TB10M1
- Ⓜ P87/TB15OUT
- Ⓜ P84/TXD3
- Ⓜ P85/RXD3
- Ⓜ P86/CLK3/CTS3
- Ⓜ P84/TXD4
- Ⓜ P81/TXD4
- Ⓜ P82/CLK4/CTS4
- Ⓜ P81/RXD6
- Ⓜ P87/A15

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

SDR-S26
SUB (SYSCON (1/4))
SCHEMATIC DIAGRAM

8.27. SUB (SYSCON (2/4)) SCHEMATIC DIAGRAM



LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

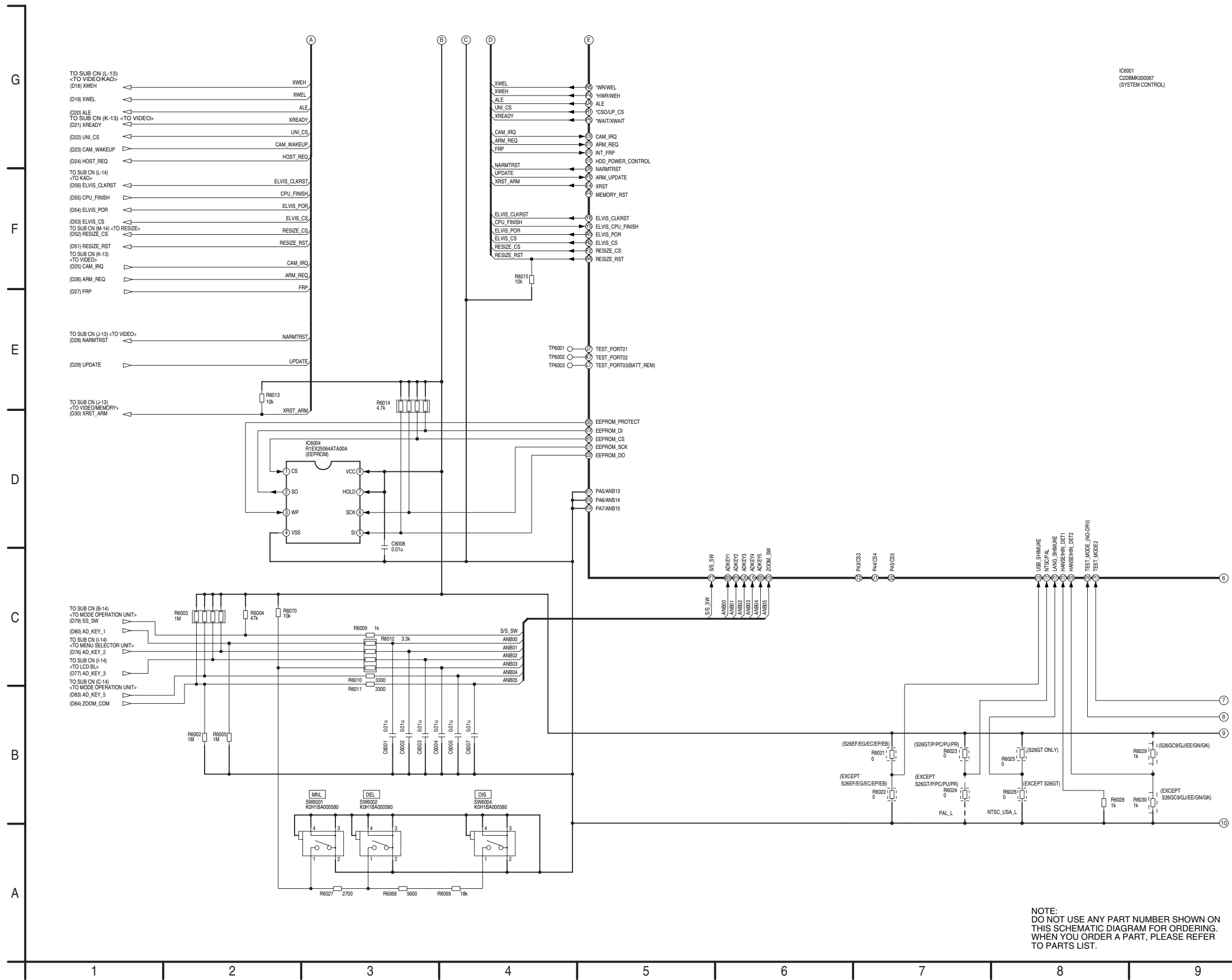
- IC6001
C2DBMK000067
(SYSTEM CONTROL)
- ① P1J0TXD8
 - ② P1J1RXD8
 - ③ P1J2SCLKICTS8
 - ④ P1J3TC0N
 - ⑤ P1J4TC1N
 - ⑥ P1J5S01SDA1
 - ⑦ P1J6S11SCL1
 - ⑧ P1J7SCK1
 - ⑨ PK2KEY2
 - ⑩ PK3KEY3
 - ⑪ PK4KEY4
 - ⑫ PL0TC4N
 - ⑬ PM5INT5
 - ⑭ PM6TCOUTA0
 - ⑮ PM7TCOUTA1
 - ⑯ P1M2INT8
 - ⑰ P1M4TXD3A
 - ⑱ P1M5RXD3A
 - ⑲ P1M6SCLKACTSA
 - ⑳ PP0/TPC0/TPD0
 - ㉑ PP1/TPC1/TPD1
 - ㉒ PP2/TPC2/TPD2
 - ㉓ PP3/TPC3/TPD3
 - ㉔ PP4/TPC4/TPD4
 - ㉕ PP5/TPC5/TPD5
 - ㉖ PP6/TPC6/TPD6
 - ㉗ PP7/TPC7/TPD7
 - ㉘ P60A8
 - ㉙ P602/TPD2
 - ㉚ P602/TPB11N0
 - ㉛ DCLK
 - ㉜ PCST0
 - ㉝ PCST1
 - ㉞ PCST2
 - ㉟ PCST3
 - ㊱ PCST4
 - ㊲ TOVR

TO
SUB (SYSCON (4/4))
SECTION

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON
THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER
TO PARTS LIST.

SDR-S26
SUB (SYSCON (2/4))
SCHEMATIC DIAGRAM

8.28. SUB (SYSCON (3/4)) SCHEMATIC DIAGRAM



↑ TO SUB (SYSCON (1/4)) SECTION

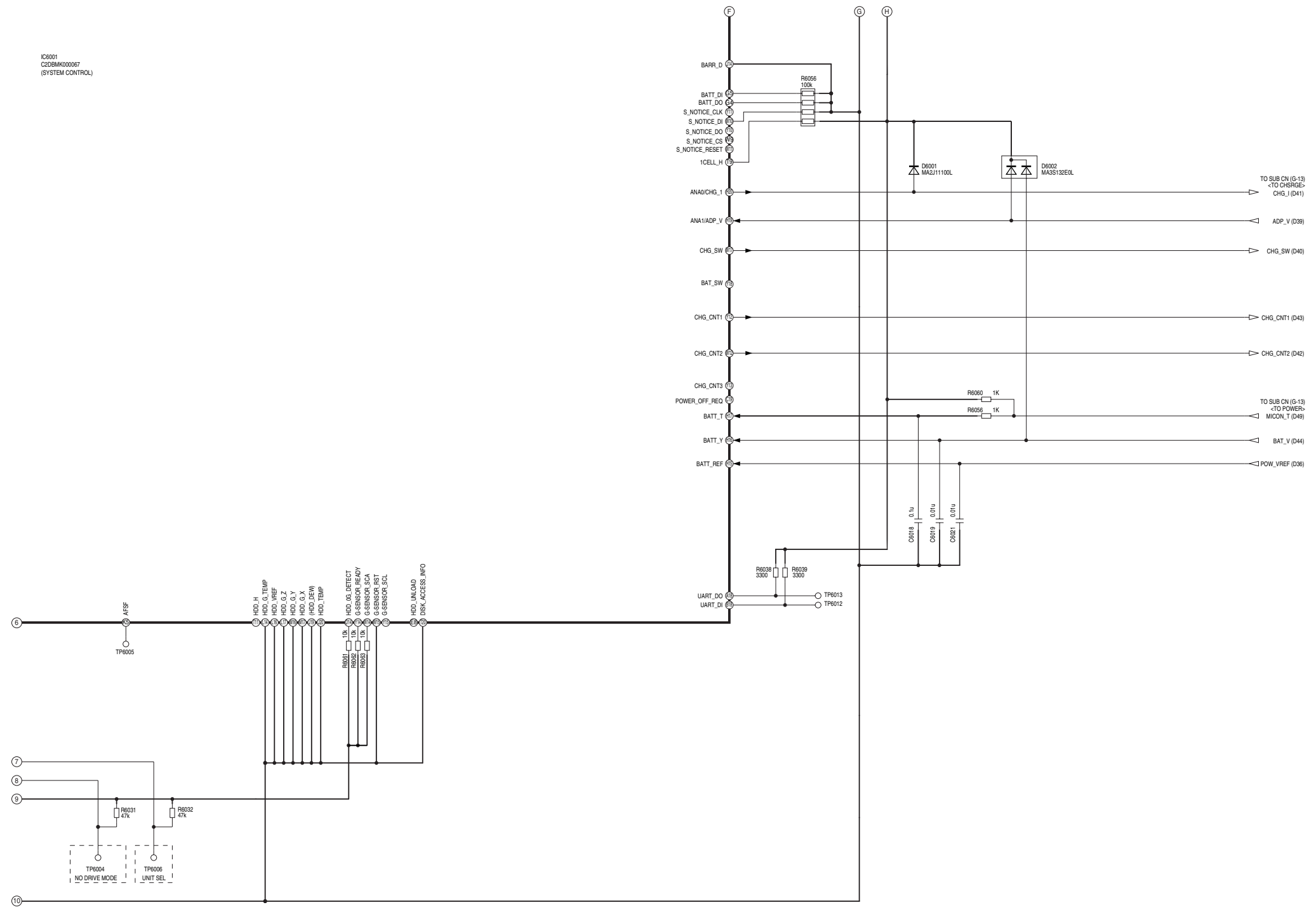
LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

SDR-S26
SUB (SYSCON (3/4))
SCHEMATIC DIAGRAM

8.29. SUB (SYSCON (4/4)) SCHEMATIC DIAGRAM



↑ TO SUB (SYSCON (2/4)) SECTION

LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

SDR-S26
SUB (SYSCON (4/4))
SCHEMATIC DIAGRAM

8.29.1. SYSCON DC VOLTAGE CHART (SP MODE)

ICs DC VOLTAGE CHART (SP MODE)

| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
|----------|--------|-----|-----|-----|--------|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| MODE | A1 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A12 | A13 | A14 | A15 | A16 | A17 | A18 | A19 | A20 | |
| STOP | 0 | 1.5 | - | - | - | 0.1 | - | - | - | - | - | - | - | 1.2 | 2.8 | - | 2.6 | 0 | 0 | |
| PLAY | 0 | 1.5 | - | - | - | 0.1 | - | - | - | - | - | - | - | 1.2 | 2.8 | - | 2.6 | 0 | 0 | |
| REC | 0 | 1.5 | - | - | - | 0.1 | - | - | - | - | - | - | - | 1.2 | 2.8 | - | 2.6 | 0 | 0 | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | B1 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 | |
| STOP | 0 | - | - | - | - | 0.1 | - | - | - | - | - | - | - | 2.8 | 2.8 | 2.9 | 2.6 | 0 | 0 | |
| PLAY | 0 | - | - | - | - | 0.1 | - | - | - | - | - | - | - | 2.8 | 2.8 | 2.9 | 2.6 | 0 | 0 | |
| REC | 0 | - | - | - | - | 0.1 | - | - | - | - | - | - | - | 2.8 | 2.8 | 2.9 | 2.6 | 0 | 0 | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | C1 | C19 | C20 | D1 | D2 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 | D13 | D14 | D15 | D16 | D17 | |
| STOP | - | - | - | 2.9 | 0 | - | - | 1.2 | 0 | - | - | - | - | 2.9 | - | - | 2.9 | 0 | 0.1 | - |
| PLAY | - | - | - | 2.9 | 0 | - | - | 1.2 | 0 | - | - | - | - | 2.9 | - | - | 2.9 | 0 | 0.1 | - |
| REC | - | - | - | 2.9 | 0 | - | - | 1.2 | 0 | - | - | - | - | 2.9 | - | - | 2.9 | 0 | 0.1 | - |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | D18 | D20 | E1 | E2 | E4 | E5 | E6 | E7 | E8 | E9 | E10 | E11 | E12 | E13 | E14 | E15 | E16 | E17 | E19 | |
| STOP | - | 0 | 2.8 | 0.1 | 0 | 0 | 2.9 | 0 | - | - | - | 2.9 | - | - | - | 1.8 | 0 | 2.8 | 2.8 | |
| PLAY | - | 0 | 2.8 | 0.1 | 0 | 0 | 2.9 | 0 | - | - | - | 2.9 | - | - | - | 1.8 | 0 | 2.8 | 2.8 | |
| REC | - | 0 | 2.8 | 0.1 | 0 | 0 | 2.9 | 0 | - | - | - | 2.9 | - | - | - | 1.8 | 0 | 2.8 | 2.8 | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | E20 | F2 | F4 | F5 | F16 | F17 | F19 | F20 | G1 | G2 | G4 | G5 | G7 | G8 | G9 | G10 | G11 | G12 | G13 | |
| STOP | 2.8 | 2.8 | - | 0 | 0 | 0 | 0 | 2.8 | 1.0 | - | 0 | 0 | 0 | 0 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | |
| PLAY | 2.8 | 2.8 | - | 0 | 0 | 0 | 0 | 2.8 | 1.0 | - | 0 | 0 | 0 | 0 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | |
| REC | 2.8 | 2.8 | - | 0 | 0 | 0 | 0 | 2.8 | 1.0 | - | 0 | 0 | 0 | 0 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | G14 | G17 | G19 | G20 | H1 | H2 | H4 | H5 | H7 | H8 | H9 | H10 | H11 | H12 | H13 | H14 | H16 | H17 | H19 | |
| STOP | 0 | 2.4 | 0 | 0 | - | - | - | - | - | 0 | 2.9 | 2.9 | 1.5 | 1.5 | 0 | 4.8 | 2.0 | 0 | 2.8 | |
| PLAY | 0 | 2.4 | 0 | 0 | - | - | - | - | - | 0 | 2.9 | 2.9 | 1.5 | 1.5 | 0 | 4.8 | 2.0 | 0 | 2.8 | |
| REC | 0 | 2.4 | 0 | 0 | - | - | - | - | - | 0 | 2.9 | 2.9 | 1.5 | 1.5 | 0 | 4.8 | 2.0 | 0 | 2.8 | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | H20 | J2 | J4 | J5 | J7 | J8 | J9 | J13 | J14 | J16 | J17 | J19 | J20 | K1 | K2 | K4 | K5 | K7 | K8 | |
| STOP | 2.8 | - | 1.4 | 1.4 | - | 2.9 | 0 | 2.9 | 0 | 1.4 | 1.4 | 0 | 0 | - | - | 2.8 | - | - | 2.9 | |
| PLAY | 2.8 | - | 1.4 | 1.4 | - | 2.9 | 0 | 2.9 | 0 | 1.4 | 1.4 | 0 | 0 | - | - | 2.8 | - | - | 2.9 | |
| REC | 2.8 | - | 1.4 | 1.4 | - | 2.9 | 0 | 2.9 | 0 | 1.4 | 1.4 | 0 | 0 | - | - | 2.8 | - | - | 2.9 | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | K13 | K16 | K17 | K19 | K20 | L1 | L2 | L4 | L5 | L7 | L8 | L13 | L14 | L16 | L17 | L19 | L20 | M1 | M2 | |
| STOP | 2.9 | 0 | 0 | 1.4 | 2.8 | - | - | - | - | 0.2 | - | 2.9 | 0 | 0 | 0 | 2.8 | 2.8 | - | - | |
| PLAY | 2.9 | 0 | 0 | 1.4 | 2.8 | - | - | - | - | 0.2 | - | 2.9 | 0 | 0 | 0 | 2.8 | 2.8 | - | - | |
| REC | 2.9 | 0 | 0 | 1.4 | 2.8 | - | - | - | - | 0.2 | - | 2.9 | 0 | 0 | 0 | 2.8 | 2.8 | - | - | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | M4 | M7 | M8 | M13 | M14 | M16 | M17 | M19 | M20 | N1 | N2 | N4 | N5 | N7 | N8 | N9 | N10 | N11 | N12 | |
| STOP | 0.2 | 2.9 | 1.5 | 2.9 | 1.5 | 0 | 0 | 2.8 | 2.8 | - | - | 2.8 | 2.8 | 2.9 | - | 1.5 | 1.5 | 1.5 | 1.5 | |
| PLAY | 0.2 | 2.9 | 1.5 | 2.9 | 1.5 | 0 | 0 | 2.8 | 2.8 | - | - | 2.8 | 2.8 | 2.9 | - | 1.5 | 1.5 | 1.5 | 1.5 | |
| REC | 0.2 | 2.9 | 1.5 | 2.9 | 1.5 | 0 | 0 | 2.8 | 2.8 | - | - | 2.8 | 2.8 | 2.9 | - | 1.5 | 1.5 | 1.5 | 1.5 | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | N13 | N16 | N17 | N19 | N20 | P1 | P2 | P4 | P5 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P16 | P17 | |
| STOP | 0 | 0 | 0 | - | - | - | - | 2.8 | 2.8 | - | - | 0 | 1.5 | 2.9 | 2.9 | 0 | 0 | - | 2.9 | |
| PLAY | 0 | 0 | 0 | - | - | - | - | 2.8 | 2.8 | - | - | 0 | 1.5 | 2.9 | 2.9 | 0 | 0 | - | 2.9 | |
| REC | 0 | 0 | 0 | - | - | - | - | 2.8 | 2.8 | - | - | 0 | 1.5 | 2.9 | 2.9 | 0 | 0 | - | 2.9 | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | P19 | R1 | R2 | R4 | R5 | R16 | R17 | R19 | R20 | T1 | T2 | T4 | T5 | T6 | T7 | T8 | T9 | T10 | T11 | |
| STOP | - | 2.8 | 2.8 | - | - | 2.9 | 0 | - | 2.9 | - | - | - | 2.0 | 1.9 | - | - | 2.8 | - | - | |
| PLAY | - | 2.8 | 2.8 | - | - | 2.9 | 0 | - | 2.9 | - | - | - | 2.0 | 1.9 | - | - | 2.8 | - | - | |
| REC | - | 2.8 | 2.8 | - | - | 2.9 | 0 | - | 2.9 | - | - | - | 2.0 | 1.9 | - | - | 2.8 | - | - | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | T12 | T14 | T15 | T16 | T17 | T19 | T20 | U1 | U2 | U4 | U5 | U6 | U7 | U8 | U9 | U10 | U11 | U12 | U13 | |
| STOP | - | 2.8 | 0 | 0 | 2.9 | 0 | 0 | - | - | 0 | - | - | - | - | - | - | - | - | - | |
| PLAY | - | 2.8 | 0 | 0 | 2.9 | 0 | 0 | - | - | 0 | - | - | - | - | - | - | - | - | - | |
| REC | - | 2.8 | 0 | 0 | 2.9 | 0 | 0 | - | - | 0 | - | - | - | - | - | - | - | - | - | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | U14 | U16 | U17 | U19 | U20 | V1 | V2 | V19 | V20 | W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 | W9 | W10 | |
| STOP | 2.8 | - | 0 | 2.9 | 1.5 | - | - | - | 0.9 | 0 | 0 | 1.0 | - | 1.0 | 2.8 | - | - | - | 0 | |
| PLAY | 2.8 | - | 0 | 2.9 | 1.5 | - | - | - | 0.9 | 0 | 0 | 1.0 | - | 1.0 | 2.8 | - | - | - | 0 | |
| REC | 2.8 | - | 0 | 2.9 | 1.5 | - | - | - | 0.9 | 0 | 0 | 1.0 | - | 1.0 | 2.8 | - | - | - | 0 | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | W11 | W13 | W14 | W15 | W16 | W17 | W18 | W19 | W20 | Y1 | Y2 | Y3 | Y4 | Y5 | Y6 | Y7 | Y8 | Y9 | Y10 | |
| STOP | - | 2.9 | 2.8 | 0 | - | 2.8 | - | 0 | 0 | 0 | 0 | - | 1.8 | 3.0 | 2.8 | 1.9 | - | - | - | |
| PLAY | - | 2.9 | 2.8 | 0 | - | 2.8 | - | 0 | 0 | 0 | 0 | - | 1.8 | 3.0 | 2.8 | 1.9 | - | - | - | |
| REC | - | 2.9 | 2.8 | 0 | - | 2.8 | - | 0 | 0 | 0 | 0 | - | 1.8 | 3.0 | 2.8 | 1.9 | - | - | - | |
| Ref. No. | IC6001 | | | | | | | | | | | | | | | | | | | |
| MODE | Y11 | Y13 | Y14 | Y15 | Y16 | Y17 | Y18 | Y19 | Y20 | | | | | | | | | | | |
| STOP | - | 0 | 2.8 | - | - | - | - | 0 | 0 | | | | | | | | | | | |
| PLAY | - | 0 | 2.8 | - | - | - | - | 0 | 0 | | | | | | | | | | | |
| REC | - | 0 | 2.8 | - | - | - | - | 0 | 0 | | | | | | | | | | | |
| Ref. No. | IC6002 | | | | IC6003 | | | | IC6004 | | | | | | | | | | | |
| MODE | 1 | 3 | 4 | | 1 | 2 | 3 | 4 | 5 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| STOP | 0 | 1.0 | 1.5 | | 1.9 | 0 | - | 1.9 | 1.5 | | 2.8 | 2.8 | 0 | 0 | 2.8 | 2.8 | 2.9 | 2.9 | | |
| PLAY | 0 | 1.0 | 1.5 | | 1.9 | 0 | - | 1.9 | 1.5 | | 2.8 | 2.8 | 0 | 0 | 2.8 | 2.8 | 2.9 | 2.9 | | |
| REC | 0 | 1.0 | 1.5 | | 1.9 | 0 | - | 1.9 | 1.5 | | 2.8 | 2.8 | 0 | 0 | 2.8 | 2.8 | 2.9 | 2.9 | | |

TRs DC VOLTAGE CHART (SP MODE)

| Ref. No. | Q6001 | | | Q6002 | | | Q6003 | | | Q6004 | | |
|----------|-------|---|-----|-------|-----|---|-------|---|-----|-------|---|-----|
| MODE | E | C | B | E | C | B | E | C | B | E | C | B |
| STOP | 2.9 | 0 | 2.9 | 2.9 | 2.9 | 0 | 2.9 | 0 | 2.9 | 0 | 0 | 0.7 |
| PLAY | 2.9 | 0 | 2.9 | 2.9 | 2.9 | 0 | 2.9 | 0 | 2.9 | 0 | 0 | 0.7 |
| REC | 2.9 | 0 | 2.9 | 2.9 | 2.9 | 0 | 2.9 | 0 | 2.9 | 0 | 0 | 0.7 |

8.29.2. SYSCON I/O TABLE

IC6001:CONTROL MICROCOMPUTER

| Pin No. | I/O | Signal Name | Description |
|---------|-----|-------------------|----------------------------------|
| A1 | - | N.C. | Not Used |
| A2 | - | N.C. | Not Used |
| A3 | I | RESET | Reset |
| A4 | - | PCST1 | Not Used |
| A5 | - | PCST3 | Not Used |
| A6 | - | DCLK | Not Used |
| A7 | O | TDO | TEST Serial Data Output |
| A8 | - | PP6 | Not Used |
| A9 | - | PP4 | Not Used |
| A10 | - | PP2 | Not Used |
| A11 | - | PP0 | Not Used |
| A12 | - | PJ4 | Not Used |
| A13 | - | PJ2 | Not Used |
| A14 | - | PJ0 | Not Used |
| A15 | O | RTC_SCK | RTC Serial Clock |
| A16 | O | RTC_DO | RTC Serial Data Output |
| A17 | O | AFE_CS | AFE Chip Select |
| A18 | O | UART_DO | PC Data Output |
| A19 | - | N.C. | Not Used |
| A20 | - | N.C. | Not Used |
| B1 | - | N.C. | Not Used |
| B2 | - | N.C. | Not Used |
| B3 | - | PCST0 | Not Used |
| B4 | - | PCST2 | Not Used |
| B5 | - | PCST4 | Not Used |
| B6 | - | TOVR | Not Used |
| B7 | I | TDI | TEST Serial Data Input |
| B8 | - | PP7 | Not Used |
| B9 | - | PP5 | Not Used |
| B10 | - | PP3 | Not Used |
| B11 | - | PP1 | Not Used |
| B12 | - | PJ5 | Not Used |
| B13 | - | PJ3 | Not Used |
| B14 | - | PJ1 | Not Used |
| B15 | O | EEPROM_CS | EEPROM Chip Select |
| B16 | I | RTC_DI | RTC Serial Data Input |
| B17 | O | RTC_CS | RTC Chip Select |
| B18 | I | UART_DI | PC Data Input |
| B19 | - | N.C. | Not Used |
| B20 | - | N.C. | Not Used |
| C1 | - | PL0 | Not Used |
| C2 | O | CTL4_ON | Power Control |
| C19 | - | POWER_OFF_REQ | Not Used |
| C20 | - | PJ6 | Not Used |
| D1 | O | CCD_ON_H | CCD Power Control |
| D2 | I | CAM_D3_OFF_H | Camera Power Control |
| D4 | - | DVSS | GND |
| D5 | I | NARMTRST | ARM Reset |
| D6 | I | TCK | TEST Serial Clock |
| D7 | O | DINT | TEST Signal |
| D8 | - | PO6 | Not Used |
| D9 | - | PO4 | Not Used |
| D10 | - | P02 | Not Used |
| D11 | O | CG_RESET | Character Generation Reset |
| D12 | - | PJ6 | Not Used |
| D13 | - | PM6 | Not Used |
| D14 | - | HDD_OG_DETECT | Not Used |
| D19 | - | PG4 | Not Used |
| D20 | O | EEPROM_PROTECT | EEPROM Write Protect |
| E1 | O | CGAFE_DO | Character Generation Serial Data |
| E2 | O | CG_CS | Character Generation Chip Select |
| E4 | O | XRST | System Reset |
| E5 | - | DVSS | GND |
| E6 | I | TRST | TEST Reset |
| E7 | I | TMS | TEST Master Clock |
| E8 | - | HDD_UNLOAD | Not Used |
| E9 | - | PO5 | Not Used |
| E10 | O | HDD_POWER_CONTROL | HDD Power Control |
| E11 | O | LENS_DRV_RESET | Lens Drive Reset |
| E12 | - | PJ7 | Not Used |

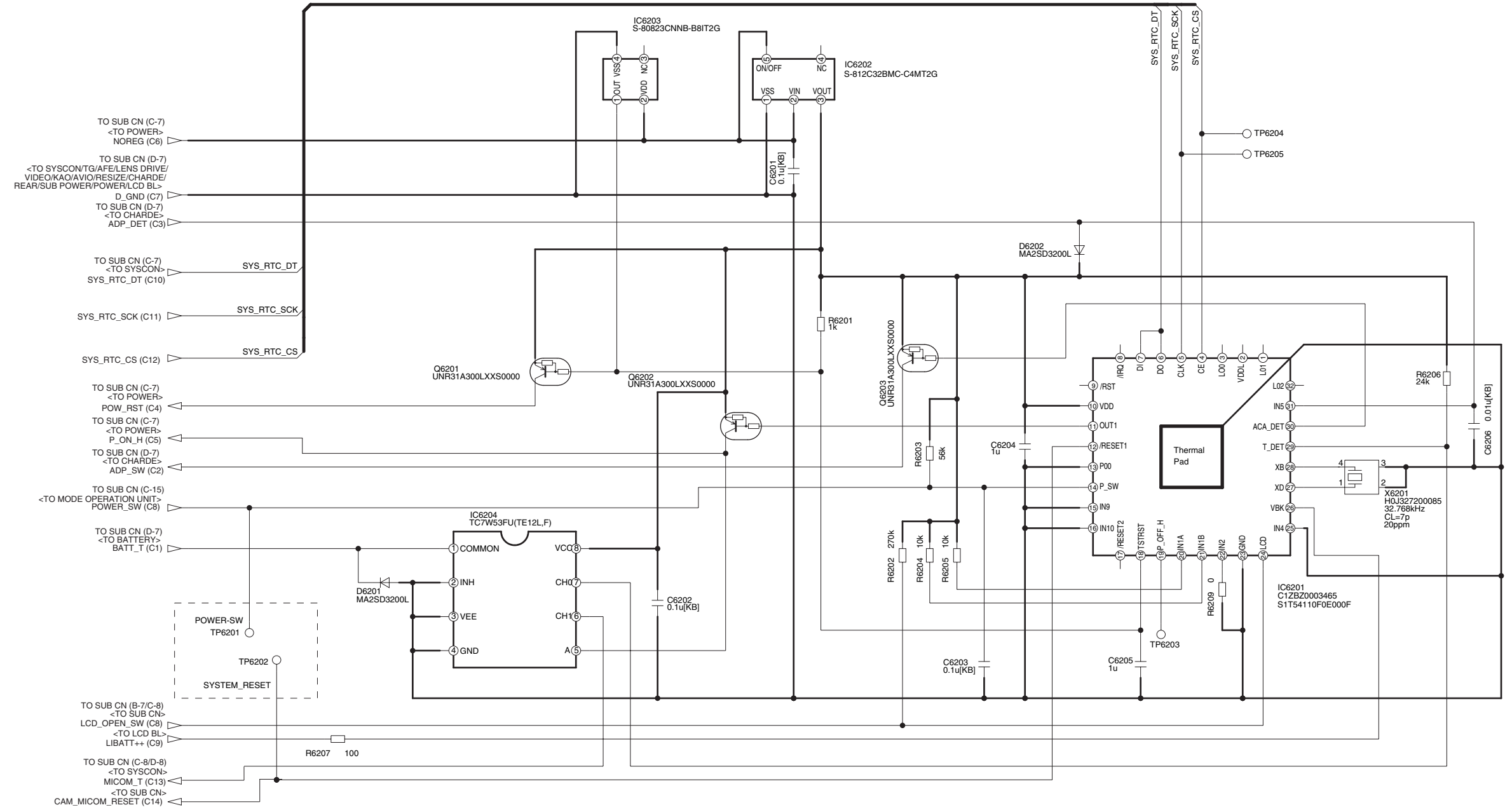
| Pin No. | I/O | Signal Name | Description |
|---------|-----|----------------|------------------------------------|
| E13 | - | PM7 | Not Used |
| E14 | - | PM5 | Not Used |
| E15 | I | INT_FRP | Frame Reference Pulse Interruption |
| E16 | I | CAM_IRQ | Camera Interrupt |
| E17 | O | EEPROM_SCK | EEPROM Serial Clock |
| E19 | O | EEPROM_DI | EEPROM Serial Data Output |
| E20 | I | EEPROM_DO | EEPROM Serial Data Input |
| F1 | O | CGAFE_SCK | Character Generation Serial Clock |
| F2 | O | RESIZE_CS | RESIZE Chip Select |
| F4 | O | MEMORY_RST | Memory Reset |
| F5 | O | ARM_UPDATE | Update Control |
| F16 | - | IR_OUT | Not Used |
| F17 | - | ANA6 | Not Used |
| F19 | - | ANA5 | Not Used |
| F20 | O | MREF | Reference Voltage |
| G1 | I/O | D0/AD0 | Address Data |
| G2 | I/O | D1/AD1 | Address Data |
| G4 | - | BATT_D0 | Not Used |
| G5 | - | BATT_D1 | Not Used |
| G7 | - | DVSSC | GND |
| G8 | O | EJE | TEST Signal |
| G9 | I | DVCC33 | Voltage |
| G10 | I | DVCC34 | Voltage |
| G11 | I | DVCC34 | Voltage |
| G12 | I | DVCC34 | Voltage |
| G13 | I | DVCC32 | Voltage |
| G14 | - | AVSS0A | GND |
| G16 | - | ANA15 | Not Used |
| G17 | I | REG3VDET | Regulator 3V Detect |
| G19 | - | ANA3 | Not Used |
| G20 | - | ANA2 | Not Used |
| H1 | I/O | D2/AD2 | Address Data |
| H2 | I/O | D3/AD3 | Address Data |
| H4 | - | PK2 | Not Used |
| H5 | - | PK3 | Not Used |
| H7 | - | PK4 | Not Used |
| H8 | - | DVSSD | GND |
| H9 | I | FVCC30 | Voltage |
| H10 | I | FVCC31 | Voltage |
| H11 | I | FVCC15 | Voltage |
| H12 | I | DVCC15 | Voltage |
| H13 | - | AVSS1A | GND |
| H14 | O | BATT_REF | Battery Voltage Detect |
| H16 | I | BATT_V | Battery Voltage Reference |
| H17 | I | BATT_T | Battery Temperature |
| H19 | I | ANA1/ADP_V | Charge Input |
| H20 | I | ANA0/CHG_I | Charge Control Input |
| J1 | I/O | D4/AD4 | Address Data |
| J2 | I/O | D5/AD5 | Address Data |
| J4 | I | ZENC | Zoom Encoder |
| J5 | I | FENC | Focus Encoder |
| J7 | - | TEST_PORT01 | Not Used |
| J8 | I | DVCC30 | Voltage |
| J9 | - | DVSS | GND |
| J13 | I | AVCC30 | Voltage |
| J14 | - | BATT_D | Not Used |
| J16 | O | SENS_TEMP_VREF | Sensor Temp Voltage Reference |
| J17 | I | FNO | F Value |
| J19 | - | HDD_DEW | Not Used |
| J20 | - | HDD_TEMP | Not Used |
| K1 | I/O | D6/AD6 | Address Data |
| K2 | I/O | D7/AD7 | Address Data |
| K4 | O | LENS_LED | Lens LED Drive |
| K5 | - | AFST | Process Timing Pulse |
| K7 | - | TEST_PORT02 | Not Used |
| K8 | I | DVCC30 | Voltage |
| K13 | I | AVREFH0 | Not Used |
| K14 | - | ANB15 | Not Used |
| K16 | - | ANB14 | Not Used |
| K17 | - | ANB13 | Not Used |
| K19 | I | ZOOM_SW | Zoom SW Voltage |
| K20 | I | ADKEY5 | Analog Key Input 5 |
| L1 | I/O | D8/AD8/A8 | Address Data |

| Pin No. | I/O | Signal Name | Description |
|---------|-----|---------------------|-----------------------------|
| L2 | I/O | D9/AD9/A9 | Address Data |
| L4 | - | P54 | Not Used |
| L5 | O | SENS_SW | OIS Sensor Switch |
| L7 | - | TEST_PORT03 | Not Used |
| L8 | I | DVCC30 | Voltage |
| L13 | - | AVREFH1 | Not Used |
| L14 | - | HDD_G_TEMP | Not Used |
| L16 | - | HDD_VREF | Not Used |
| L17 | - | HDD_G_Z | Not Used |
| L19 | I | ADKEY4 | Analog Key Input 4 |
| L20 | I | ADKEY3 | Analog Key Input 3 |
| M1 | I/O | D10/AD10/A10 | Address Data |
| M2 | I/O | D11/AD11/A11 | Address Data |
| M4 | O | SENS_SW2 | OIS Sensor Switch 2 |
| M5 | - | P57 | Not Used |
| M7 | - | BW0 | Not Used |
| M8 | I | DVCC15 | Voltage |
| M13 | I | AVCC31 | Voltage |
| M14 | I | DVCC15 | Voltage |
| M16 | - | HDD_G_Y | Not Used |
| M17 | - | HDD_G_X | Not Used |
| M19 | I | ADKEY2 | Analog Key Input 2 |
| M20 | I | ADKEY1 | Analog Key Input 1 |
| N1 | I/O | D12/AD12/A12 | Address Data |
| N2 | I/O | D13/AD13/A13 | Address Data |
| N4 | O | *RD/RE | X Read Strobe |
| N5 | O | *WR/WEL | Write Enable ON/OFF |
| N7 | I | BW1 | Voltage |
| N8 | - | TEST1 | Not Used |
| N9 | I | BUSMD | Voltage |
| N10 | I | FVCC15 | Voltage |
| N11 | I | DVCC15 | Voltage |
| N12 | I | PLLSEL | Voltage |
| N13 | - | DVSSF | GND |
| N14 | - | CVCC15 | Voltage |
| N16 | I | HANSEIHIN_DET2 | Holf-Finished Producta Det. |
| N17 | I | HANSEIHIN_DET1 | Holf-Finished Producta Det. |
| N19 | - | PB7 | Not Used |
| N20 | - | PB6 | Not Used |
| P1 | I/O | D14/AD14/A14 | Address Data |
| P2 | I/O | D15/AD15/A15 | Address Data |
| P4 | O | *HWR/WEH | X Write Strobe |
| P5 | O | *WAIT/XWAIT | X Ready Strobe |
| P7 | - | TEST2 | Not Used |
| P8 | - | TEST3 | Not Used |
| P9 | - | ENDIAN | Not Used |
| P10 | I | NMI | Voltage |
| P11 | I | DVCC31 | Voltage |
| P12 | I | DVCC31 | Voltage |
| P13 | - | CVSS | GND |
| P14 | - | DVSS | GND |
| P16 | - | PC5 | Not Used |
| P17 | I | TEST_MODE2 | Mode Select |
| P19 | - | PB5 | Not Used |
| P20 | O | DISK_ACCESS_LED | DISK Access LED Drive |
| R1 | O | *CS0/UP_CS | AMMP Chip Select |
| R2 | O | ELVIS_CS | ELVIS Chip Serct |
| R4 | - | *BUSREQ | Not Used |
| R5 | - | *BUSACK.NO_DRY | Not Used |
| R16 | I | TEST_MODE(SMT_TEST) | Mode Select |
| R17 | I | LANG_SHIMUKE(USA_L) | Lang Select |
| R19 | O | PB3 | Not Used |
| R20 | O | CARD_ACCESS_LED | Card Access LED Drive |
| T1 | - | P42 | Not Used |
| T2 | - | P43 | Not Used |
| T4 | - | R/W | Not Used |
| T5 | I | AV_PLUG | AV Plug Connection Detect |
| T6 | I | LCD_RVS_SW | LCD Reverse Detect |
| T7 | - | P65 | Not Used |
| T8 | - | PN1 | Not Used |
| T9 | - | ICELL_H | Not Used |
| T10 | - | PN5 | Not Used |
| T11 | - | HDD_H | Not Used |

| Pin No. | I/O | Signal Name | Description |
|---------|-----|-------------------|-------------------------------------|
| T12 | - | PH1 | Not Used |
| T13 | O | LENS_DRV_CS | Lens Drive Chip Select |
| T14 | I | LENS_DRV_DI | Lens Drive Serial Data Input |
| T15 | O | LENS_DRV_EVR_LD | Lens Drive Reset |
| T16 | - | DVSSG | GND |
| T17 | I | NTSC_PAL(NTSC_L) | NTSC/PAL Select |
| T19 | O | POWER_LED | Power LED Drive |
| T20 | - | DISK_ACCESS_INFO | Not Used |
| U1 | - | P44 | Not Used |
| U2 | - | P45 | Not Used |
| U4 | O | ALE | Address Latch Enable |
| U5 | - | P60 | Not Used |
| U6 | - | P62 | Not Used |
| U7 | - | P64 | Not Used |
| U8 | - | PN0 | Not Used |
| U9 | - | PN2 | Not Used |
| U10 | - | PN4 | Not Used |
| U11 | - | PN6 | Not Used |
| U12 | - | PH0 | Not Used |
| U13 | - | PH2 | Not Used |
| U14 | O | LENS_DRV_DO | Lens Drive Serial Data Output |
| U15 | O | LENS_DRV_SCK | Lens Drive Serial Clock |
| U16 | - | PD2 | Not Used |
| U17 | - | DVSSH | GND |
| U19 | I | USB_SHIMUKE(IN_L) | USB Cable Connection Detect |
| U20 | O | X2 | OSC Out |
| V1 | - | P46/SC_OUT | Not Used |
| V2 | - | P47 | Not Used |
| V19 | - | TB15OUT | Not Used |
| V20 | I | X1 | OSC In |
| W1 | - | N.C. | Not Used |
| W2 | - | N.C. | Not Used |
| W3 | O | HOST_REQ | Microcomputer Communication Request |
| W4 | - | P23 | Not Used |
| W5 | O | ELVIS_POR | Not Used |
| W6 | O | RESIZE_RST | Not Used |
| W7 | - | P67 | Not Used |
| W8 | - | PI1 | Not Used |
| W9 | - | S_NOTICE_CS | Not Used |
| W10 | - | S_NOTICE_DI | Not Used |
| W11 | - | S_NOTICE_RESET | Not Used |
| W12 | O | CHG_CNT2 | Charge Control 2 |
| W13 | O | STANDBY_LED | Standby LED Drive |
| W14 | - | G-SENSOR_SCA | Not Used |
| W15 | - | G-SENSOR_RST | Not Used |
| W16 | - | PD1 | Not Used |
| W17 | O | CHG_SW | Charge Switch |
| W18 | - | BOYO_LED | Not Used |
| W19 | - | N.C. | Not Used |
| W20 | - | N.C. | Not Used |
| Y1 | - | N.C. | Not Used |
| Y2 | - | N.C. | Not Used |
| Y3 | - | P20 | Not Used |
| Y4 | O | CAM_WAKEUP | Camera Wakeup Control |
| Y5 | I | ELVIS_CPU_FINISH | ELVIS CPU Finish |
| Y6 | O | ELVIS_CLKRST | ELVIS Clock Reset |
| Y7 | I | S/S_SW | Start/Stop Switch Input |
| Y8 | I/O | LENS_DEBUG_DO | Lens Debug Serial Data |
| Y9 | O | LENS_DEBUG_SCK | Lens Debug Serial Clock |
| Y10 | - | S-NOTICE_DO | Not Used |
| Y11 | - | S-NOTICE_CLK | Not Used |
| Y12 | O | CHG_CNT1 | Charge Control 1 |
| Y13 | O | CHG_CNT3 | Charge Control 3 |
| Y14 | - | G-SENSOR_REARY | |
| Y15 | - | G-SENSOR_SEL | |
| Y16 | - | PD0 | Not Used |
| Y17 | O | LIGHT_ON_H | Light Power Control |
| Y18 | O | BAT_SW | Battery Switch |
| Y19 | - | N.C. | Not Used |
| Y20 | - | N.C. | Not Used |

8.30. SUB (SUB SYSCON) SCHEMATIC DIAGRAM

(SUB P.C.B.)
REFER TO SUB CONNECTION



NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

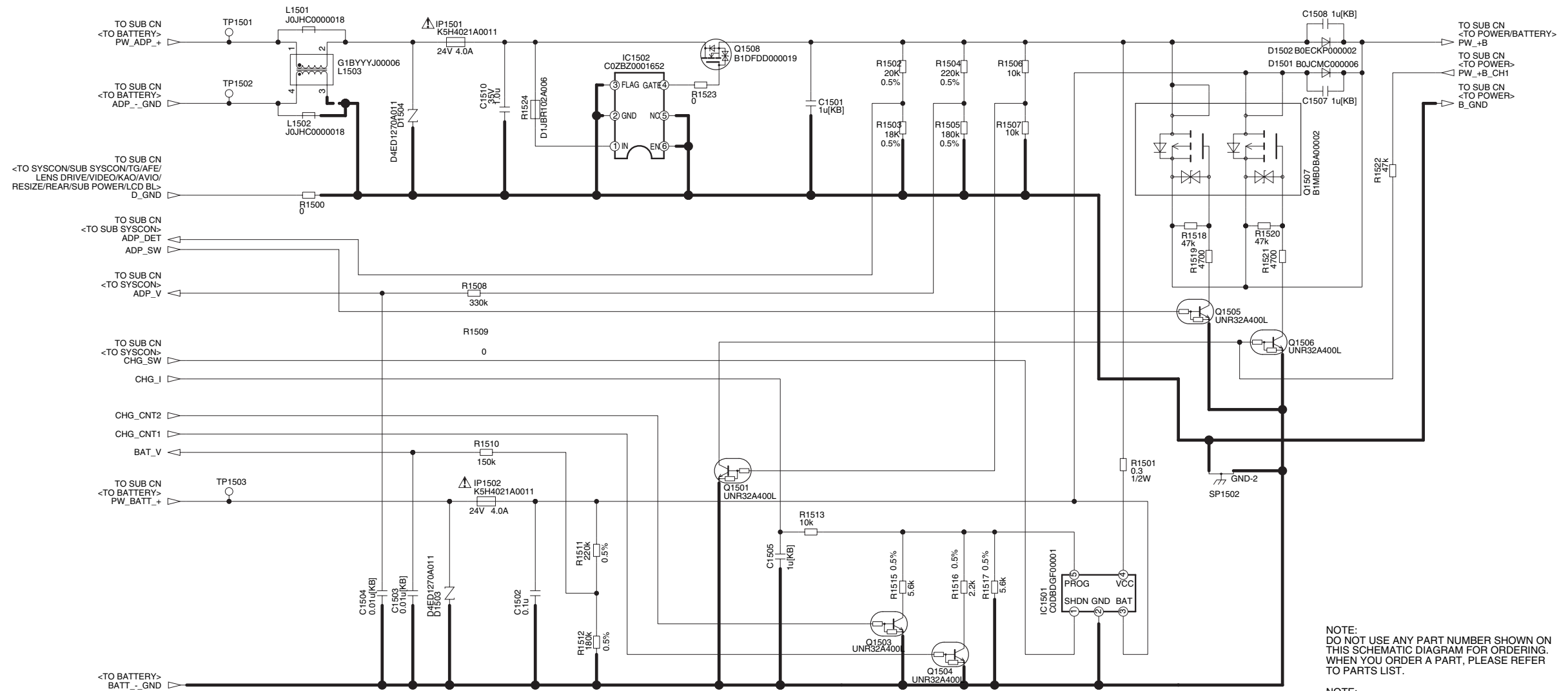
NOTE:
CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED HEREIN SHALL BE REGARDED AS REFERENCE INFORMATION WHEN PROBING DEFECT POINT, BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING VALUE DUE TO DIFFERENCE OF MEASURING INSTRUMENT AND ITS MEASURING CONDITION AND PRODUCT ITSELF.

SDR-S26
SUB (SUB SYSCON) SCHEMATIC DIAGRAM

8.31. SUB (CHARGE) SCHEMATIC DIAGRAM

(SUB P.C.B.)
REFER TO SUB CONNECTION

G
F
E
D
C
B
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IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK Δ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE 1.0A 32V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D'INCENDIE N'UTILISERQUE DES FUSIBLE DE MEME TYPE 1.0A 32V

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE 2.0A 32V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D'INCENDIE N'UTILISERQUE DES FUSIBLE DE MEME TYPE 2.0A 32V

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

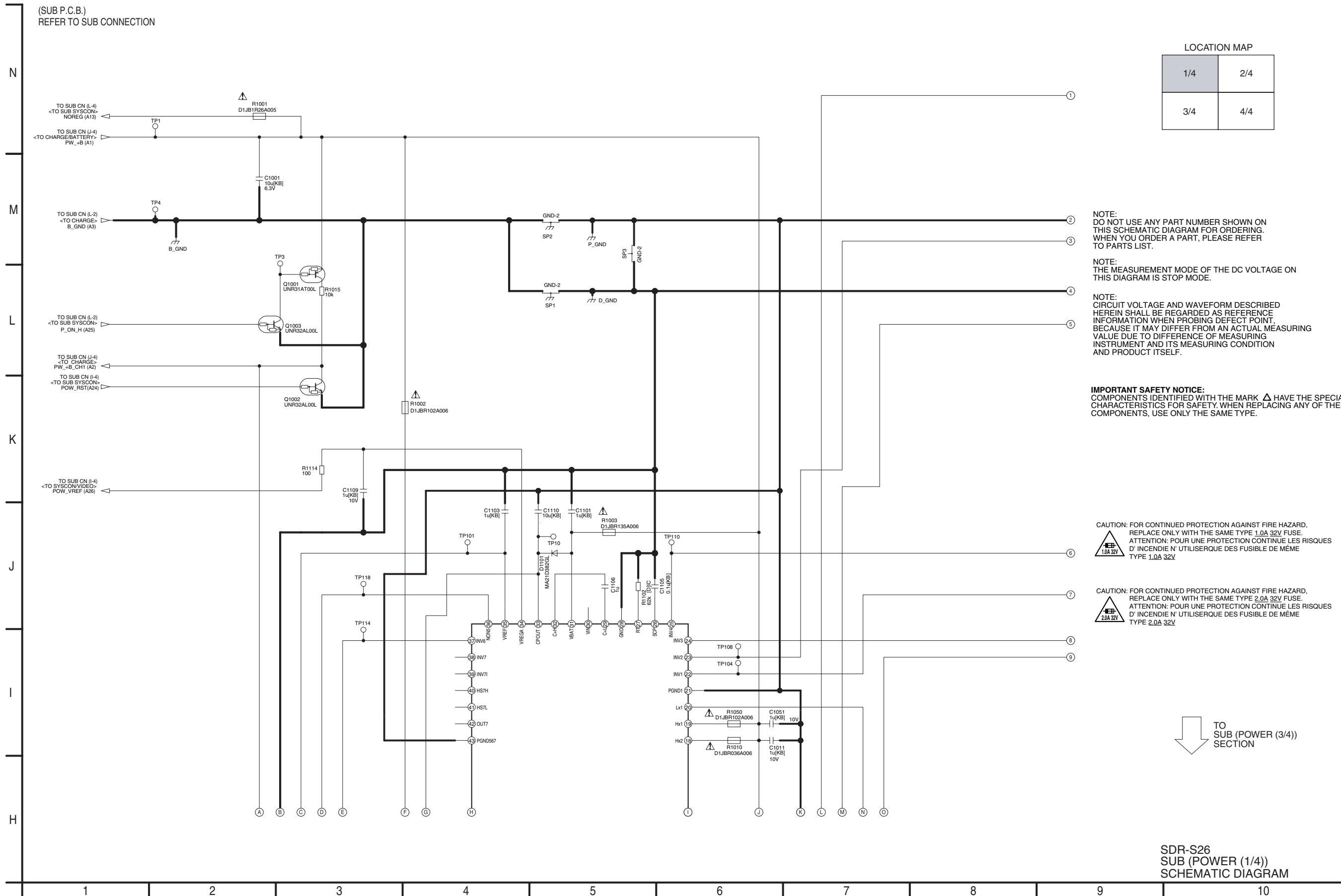
NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:
CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED HEREIN SHALL BE REGARDED AS REFERENCE INFORMATION WHEN PROBING DEFECT POINT. BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING VALUE DUE TO DIFFERENCE OF MEASURING INSTRUMENT AND ITS MEASURING CONDITION AND PRODUCT ITSELF.

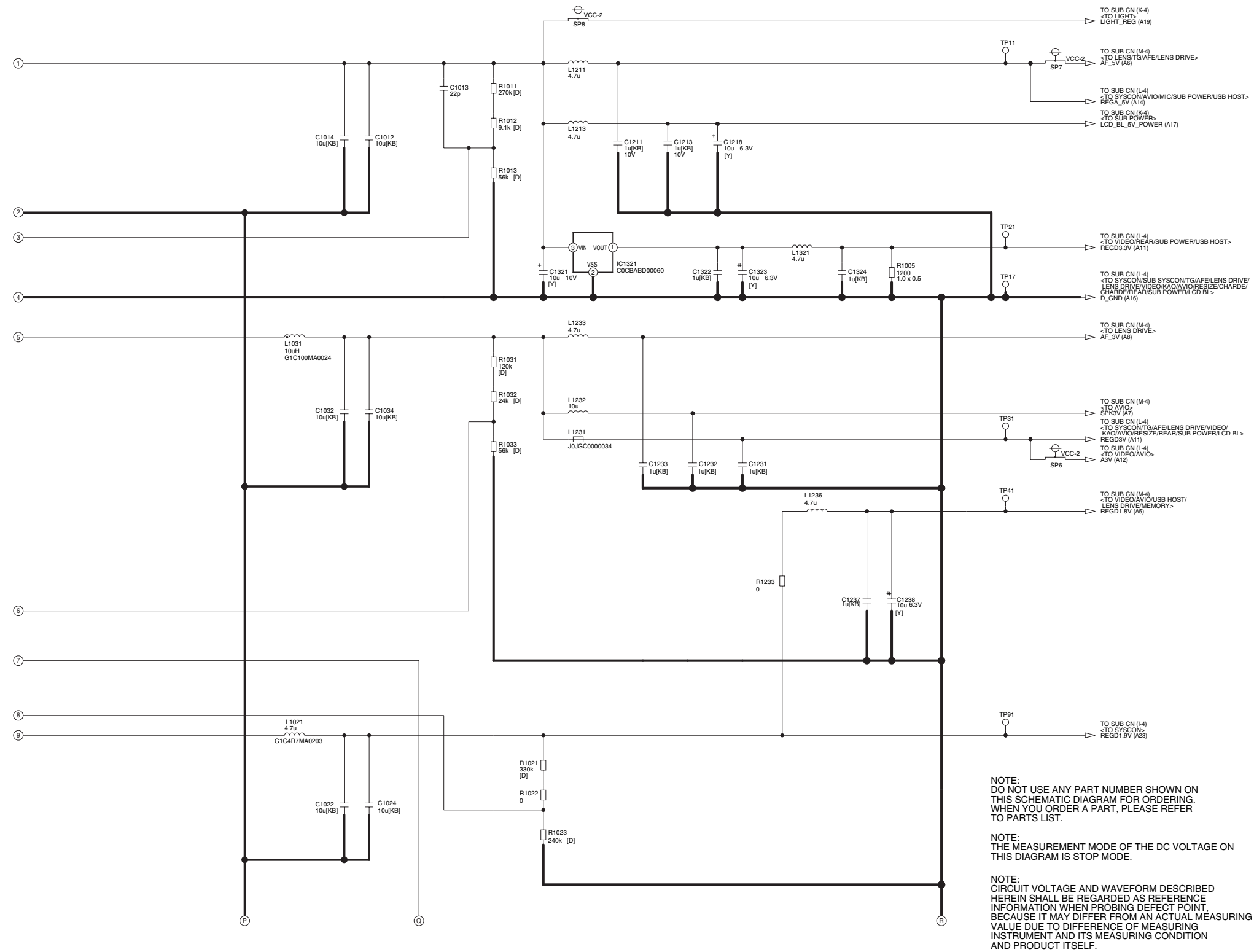
SDR-S26
SUB (CHARGE) SCHEMATIC DIAGRAM

1 2 3 4 5 6 7 8 9 10

8.32. SUB (POWER (1/4)) SCHEMATIC DIAGRAM



8.33. SUB (POWER (2/4)) SCHEMATIC DIAGRAM



LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

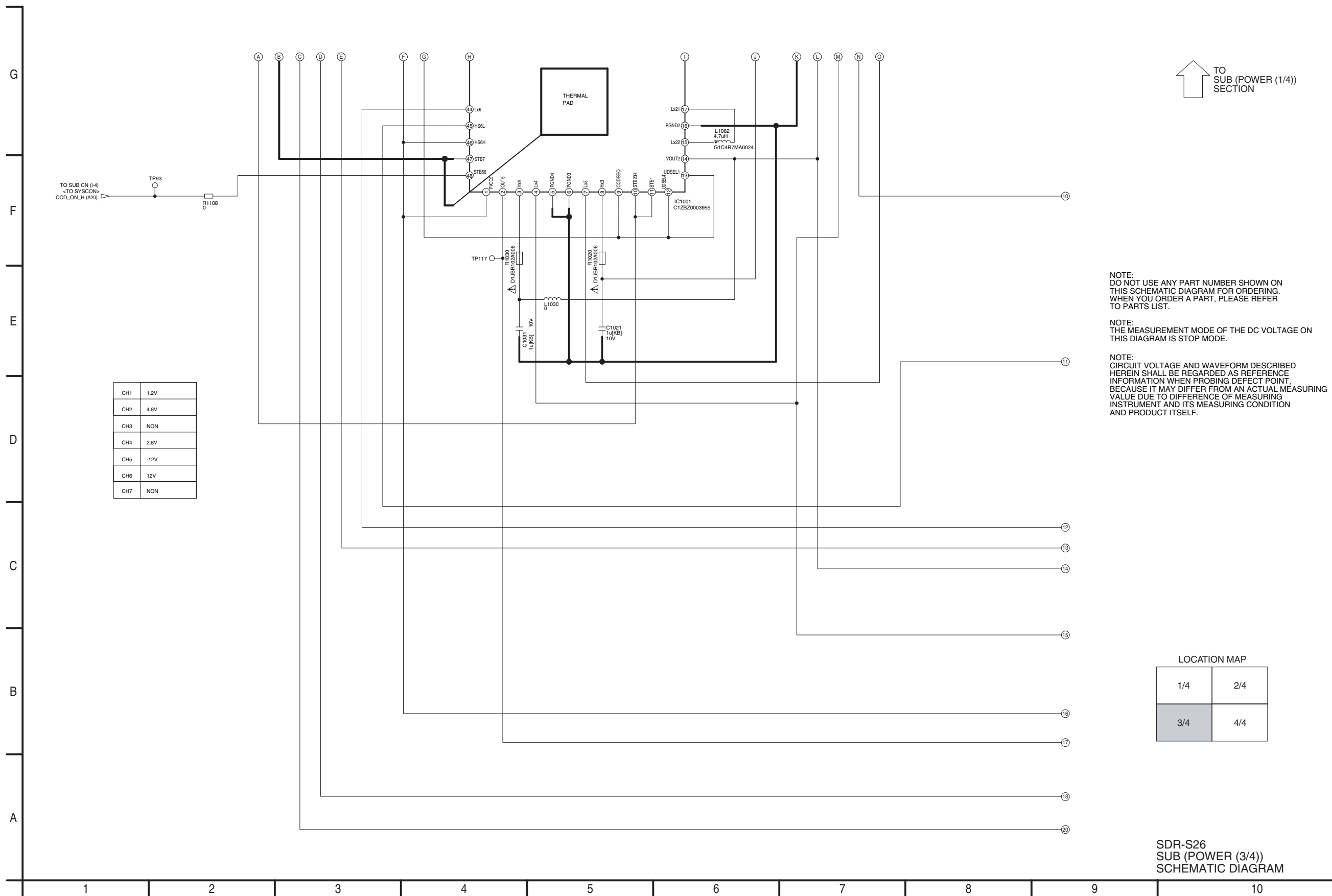
NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:
CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED HEREIN SHALL BE REGARDED AS REFERENCE INFORMATION WHEN PROBING DEFECT POINT, BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING VALUE DUE TO DIFFERENCE OF MEASURING INSTRUMENT AND ITS MEASURING CONDITION AND PRODUCT ITSELF.

TO SUB (POWER (4/4)) SECTION

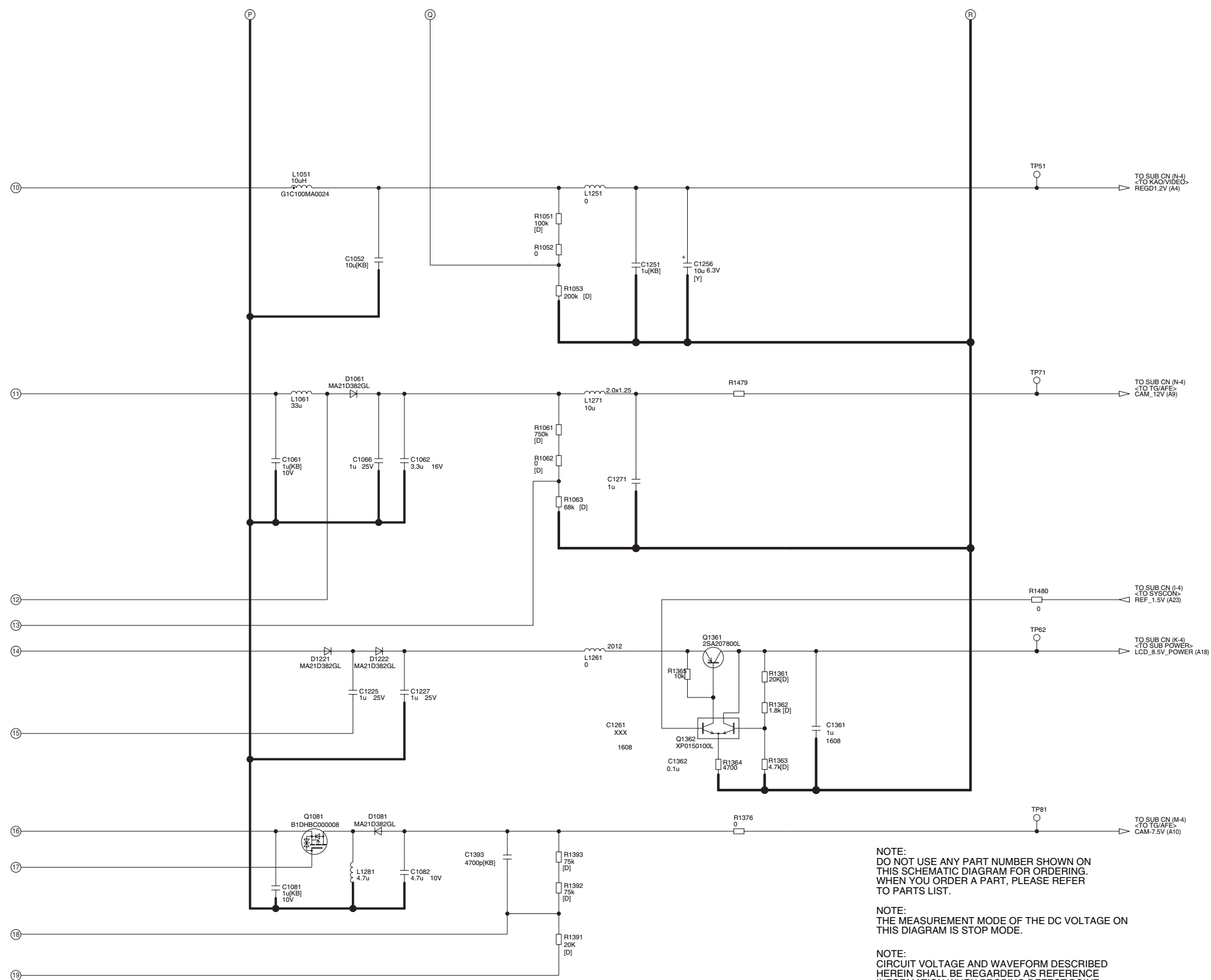
SDR-S26
SUB (POWER (2/4))
SCHEMATIC DIAGRAM

8.34. SUB (POWER (3/4)) SCHEMATIC DIAGRAM



8.35. SUB (POWER (4/4)) SCHEMATIC DIAGRAM

↑ TO SUB (POWER (2/4)) SECTION



NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:
CIRCUIT VOLTAGE AND WAVEFORM DESCRIBED HEREIN SHALL BE REGARDED AS REFERENCE INFORMATION WHEN PROBING DEFECT POINT, BECAUSE IT MAY DIFFER FROM AN ACTUAL MEASURING VALUE DUE TO DIFFERENCE OF MEASURING INSTRUMENT AND ITS MEASURING CONDITION AND PRODUCT ITSELF.

LOCATION MAP

| | |
|-----|-----|
| 1/4 | 2/4 |
| 3/4 | 4/4 |

SDR-S26
SUB (POWER (4/4))
SCHEMATIC DIAGRAM



9 Printed Circuit Board

9.1. MAIN P.C.B. (COMPONENT SIDE)

(LSEP8462G1: SDR-S26P/PC/PU/PR/GT)
 (LSEP8462U1: SDR-S26GC9/GJ/EE/GN/GK/EF/EG/EG/EC/EP/EB)

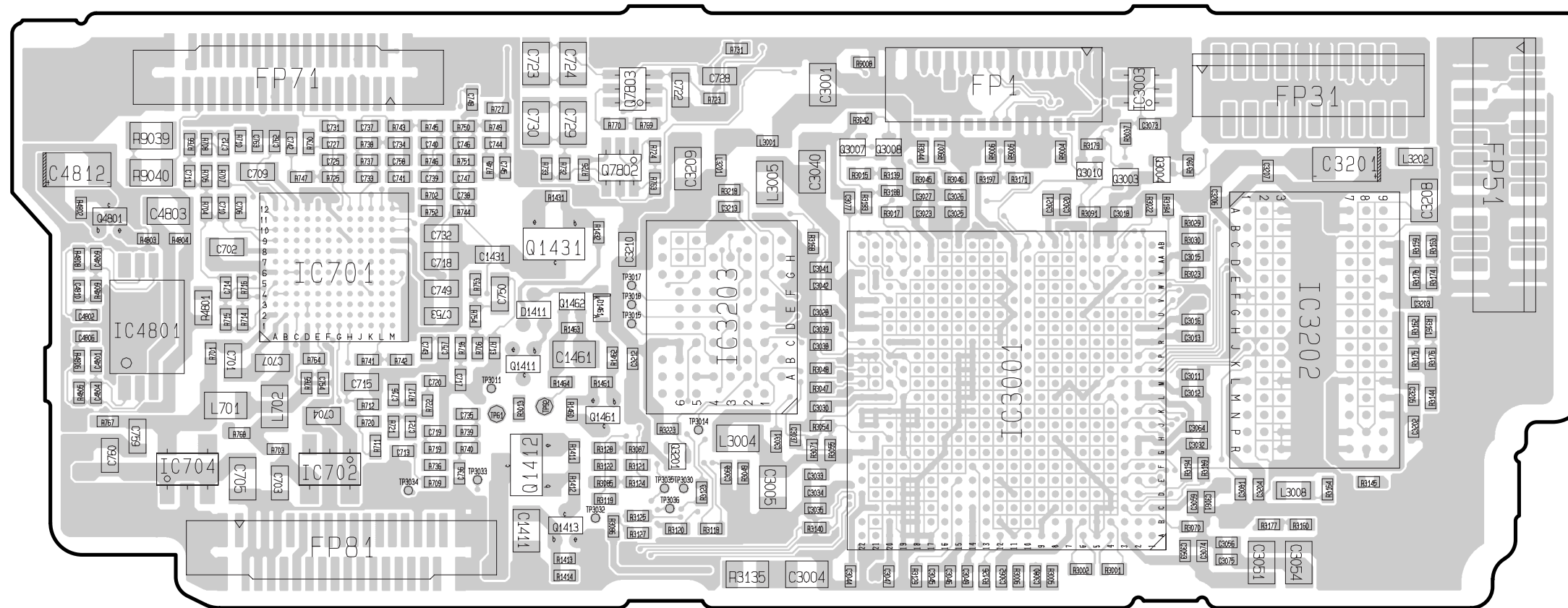
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NOTE: MULTILAYER P.C.B.
 THIS P.C.B. IS Multi-Layer P.C.B. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.

IMPORTANT SAFETY NOTICE:
 COMPONENTS IDENTIFIED WITH THE MARK Δ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE 2.0A 32V FUSE.
 ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÊME TYPE 2.0A 32V

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE 1.0A 32V FUSE.
 ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÊME TYPE 1.0A 32V



(COMPONENT SIDE)

1 2 3 4 5 6 7 8 9

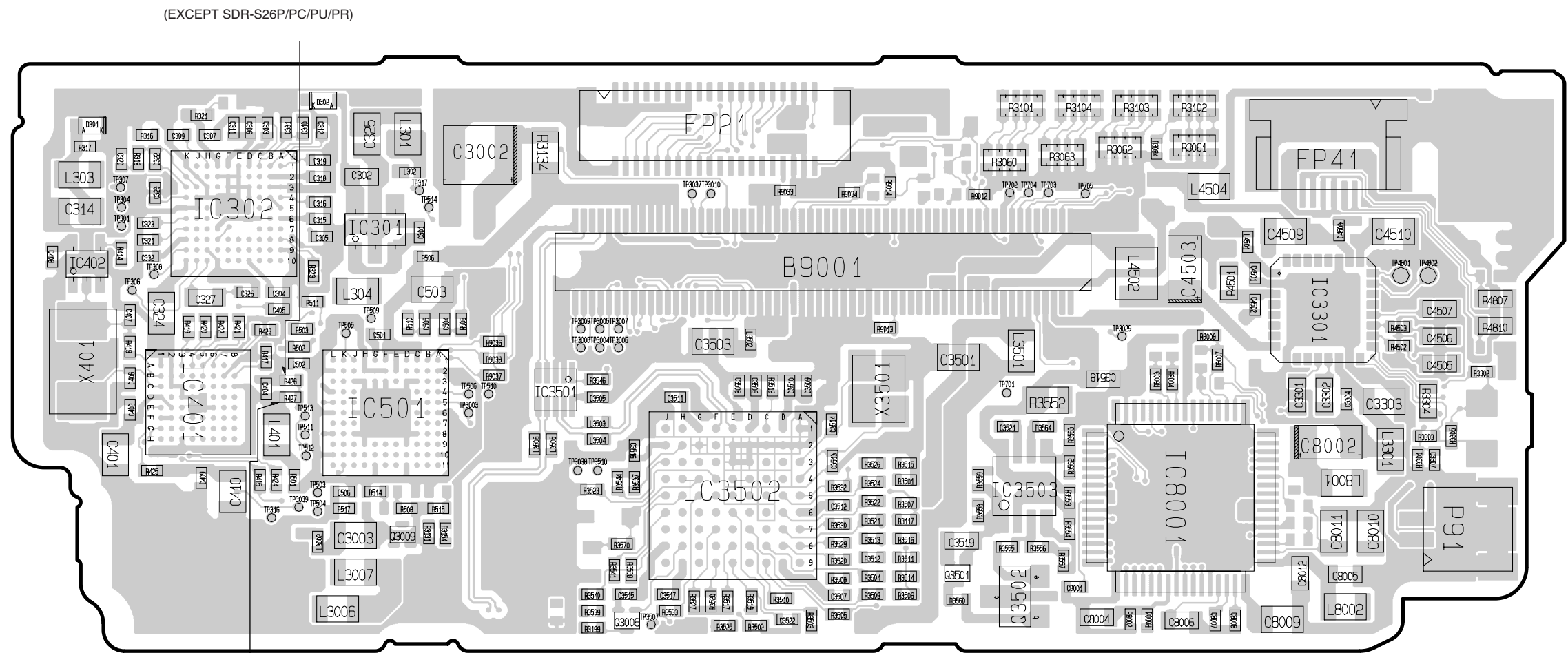
9.2. MAIN P.C.B. (FOIL SIDE)

(LSEP8462G1: SDR-S26P/PC/PU/PR/GT)
(LSEP8462U1: SDR-S26GC9/GJ/EE/GN/GK/EF/EG/EG/EC/EP/EB)

NOTE: MULTILAYER P.C.B.

THIS P.C.B. IS Multi-Layer P.C.B. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.

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(SDR-S26P/PC/PU/PR)

(FOIL SIDE)

1 2 3 4 5 6 7 8 9

9.3. MAIN P.C.B. ADDRESS INFORMATION

Parts Location

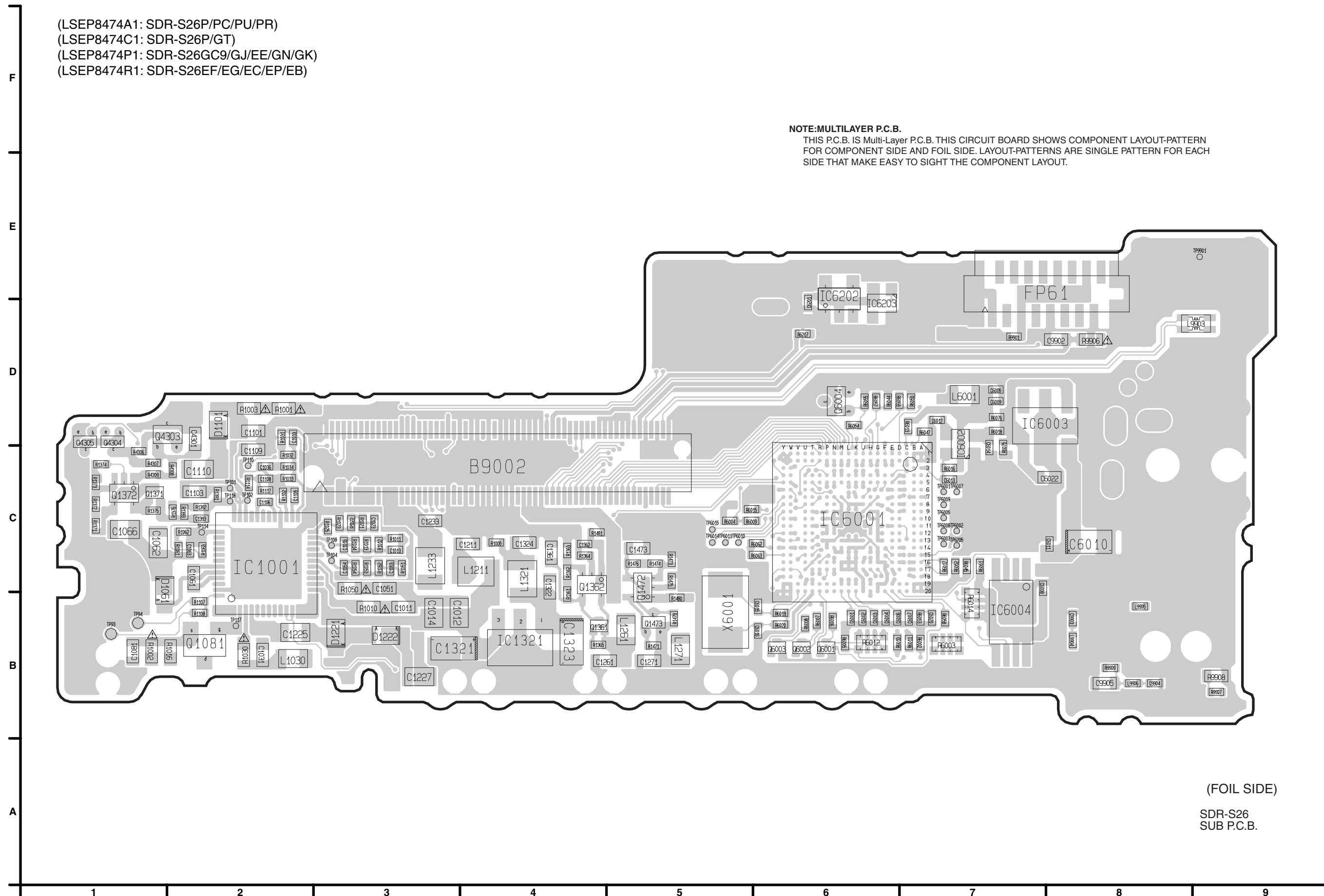
| | | MAIN P.C.B. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Integrated Circuit | | TP3018 | C-4 | C | C318 | D-3 | F | C760 | B-2 | C | C3513 | C-5 | F | R715 | C-2 | C | R3063 | D-6 | F | R3517 | B-5 | F | TP3029 | C-6 | F | C319 | D-3 | F | C762 | D-2 | C | C3514 | C-5 | F | R716 | C-2 | C | R3084 | D-7 | F | R3518 | C-5 | F | TP3030 | B-4 | C | C320 | D-2 | F | C763 | D-2 | C | C3515 | B-4 | F | R717 | C-3 | C | R3085 | B-4 | C | R3519 | B-5 | F | TP3032 | B-4 | C | C321 | D-2 | F | C1411 | B-4 | C | C3516 | C-4 | F | R718 | C-3 | C | R3086 | B-4 | C | R3520 | B-5 | F | TP3033 | B-3 | C | C322 | D-2 | F | C1431 | C-4 | C | C3517 | B-4 | F | R719 | B-3 | C | R3087 | B-4 | C | R3521 | B-5 | F | TP3034 | B-3 | C | C323 | D-2 | F | C1461 | C-4 | C | C3518 | C-6 | F | R720 | C-3 | C | R3091 | D-6 | C | R3522 | B-5 | F | TP3035 | B-4 | C | C324 | C-2 | F | C3001 | D-5 | C | C3519 | B-6 | F | R721 | B-3 | C | R3101 | D-6 | F | R3523 | B-4 | F | TP3036 | B-4 | C | C325 | D-3 | F | C3002 | D-3 | F | C3521 | C-6 | F | R722 | C-3 | C | R3102 | D-7 | F | R3524 | B-5 | F | TP3037 | D-4 | F | C326 | C-2 | F | C3003 | B-3 | F | C4501 | C-7 | F | R723 | D-5 | C | R3103 | D-7 | F | R3525 | B-5 | F | TP3038 | C-4 | F | C327 | C-2 | F | C3004 | B-5 | C | C4502 | C-7 | F | R724 | D-4 | C | R3104 | D-6 | F | R3526 | C-5 | F | TP3039 | B-3 | F | C328 | D-2 | F | C3005 | B-5 | C | C4503 | C-7 | F | R725 | D-3 | C | R3117 | B-5 | F | R3527 | B-4 | F | TP3507 | B-4 | F | C331 | D-2 | F | C3011 | C-7 | C | C4505 | C-8 | F | R726 | D-4 | C | R3118 | B-5 | C | R3528 | B-4 | F | TP3510 | C-4 | F | C332 | D-2 | F | C3012 | C-7 | C | C4506 | C-8 | F | R727 | D-4 | C | R3119 | B-4 | C | R3529 | B-5 | F | TP4801 | C-8 | F | C401 | C-2 | F | C3013 | C-7 | C | C4507 | C-8 | F | R730 | D-3 | C | R3120 | B-4 | C | R3530 | B-5 | F | TP4802 | C-8 | F | C402 | C-2 | F | C3015 | C-7 | C | C4508 | D-7 | F | R731 | D-5 | C | R3121 | B-4 | C | R3532 | B-5 | F | Connector | | | | C404 | C-2 | F | C3016 | C-7 | C | C4509 | D-7 | F | R732 | D-4 | C | R3122 | B-4 | C | R3533 | B-4 | F | B9001 | C-5 | F | C405 | C-2 | F | C3018 | D-6 | C | C4510 | D-8 | F | R733 | D-4 | C | R3123 | B-4 | C | R3537 | B-4 | F | FP21 | D-5 | F | C406 | C-2 | F | C3020 | D-6 | C | C4801 | C-2 | C | R736 | B-3 | C | R3124 | B-4 | C | R3538 | B-4 | F | FP31 | D-7 | C | C407 | C-2 | F | C3021 | D-6 | C | C4802 | C-2 | C | R737 | D-3 | C | R3125 | B-4 | C | R3539 | B-4 | F | FP41 | D-7 | F | C408 | D-1 | F | C3023 | D-6 | C | C4803 | D-2 | C | R738 | D-3 | C | R3126 | B-6 | C | R3540 | B-4 | F | FP51 | D-8 | C | C409 | B-2 | F | C3025 | D-6 | C | C4804 | C-2 | C | R739 | B-3 | C | R3127 | B-4 | C | R3541 | B-4 | F | FP71 | D-3 | C | C410 | B-2 | F | C3026 | D-6 | C | C4806 | C-2 | C | R740 | B-3 | C | R3128 | B-4 | C | R3544 | B-4 | F | FP81 | B-3 | C | C501 | C-3 | F | C3027 | D-6 | C | C4809 | C-2 | C | R741 | C-3 | C | R3129 | B-6 | C | R3546 | C-4 | F | P91 | B-8 | F | C502 | C-3 | F | C3028 | C-5 | C | C4810 | C-2 | C | R742 | C-3 | C | R3131 | B-3 | F | R3552 | C-6 | F | Diode | | | C503 | C-3 | F | C3030 | C-5 | C | C4812 | D-2 | C | R743 | D-3 | C | R3134 | D-4 | F | R3553 | B-6 | F | D301 | D-2 | F | C504 | C-3 | F | C3031 | B-5 | C | C8001 | B-6 | F | R744 | D-3 | C | R3135 | B-5 | C | R3554 | B-6 | F | D302 | D-3 | F | C505 | C-3 | F | C3032 | B-7 | C | C8002 | C-7 | F | R745 | D-3 | C | R3139 | D-5 | C | R3555 | B-6 | F | D1411 | C-4 | C | C506 | B-3 | F | C3033 | B-5 | C | C8004 | B-6 | F | R746 | D-3 | C | R3140 | B-5 | C | R3556 | B-6 | F | D1461 | C-4 | C | C701 | C-2 | C | C3034 | B-5 | C | C8006 | B-7 | F | R747 | D-3 | C | R3144 | C-8 | C | R3557 | B-6 | F | Crystal Oscillator | | | | C702 | C-2 | C | C3035 | B-5 | C | C8007 | B-7 | F | R748 | D-3 | C | R3145 | B-8 | C | R3558 | B-6 | F | X401 | C-1 | F | C703 | B-3 | C | C3037 | B-5 | C | C8008 | B-7 | F | R749 | D-4 | C | R3154 | B-3 | F | R3559 | B-6 | F | X3501 | C-5 | F | C704 | B-3 | C | C3039 | C-5 | C | C8009 | B-7 | F | R750 | D-3 | C | R3159 | C-8 | C | R3560 | B-6 | F | Coil | | | C705 | B-2 | C | C3040 | D-5 | C | C8010 | B-8 | F | R751 | D-3 | C | R3160 | B-7 | C | R3562 | C-6 | F | L301 | D-3 | F | C706 | D-2 | C | C3041 | C-5 | C | C8011 | B-7 | F | R752 | D-3 | C | R3161 | C-8 | C | R3563 | C-6 | F | L302 | D-3 | F | C707 | C-2 | C | C3042 | C-5 | C | C8012 | B-7 | F | R753 | C-3 | C | R3162 | C-8 | C | R3564 | C-6 | F | L303 | D-1 | F | C710 | D-2 | C | C3044 | B-5 | C | Resistor | | | | R754 | C-3 | C | R3163 | C-8 | C | R3570 | B-4 | F | L304 | C-3 | F | C711 | D-2 | C | C3045 | B-6 | C | R316 | D-2 | F | R763 | D-4 | C | R3164 | B-7 | C | R4501 | C-7 | F | L401 | C-2 | F | C712 | D-2 | C | C3046 | B-6 | C | R317 | D-1 | F | R764 | C-3 | C | R3168 | C-5 | C | R4502 | C-8 | F | L701 | C-2 | C | C713 | B-3 | C | C3047 | B-5 | C | R318 | D-2 | F | R765 | C-3 | C | R3171 | D-6 | C | R4503 | C-8 | F | L702 | C-2 | C | C714 | C-2 | C | C3049 | B-6 | C | R321 | D-2 | F | R768 | B-2 | C | R3174 | C-8 | C | R4802 | D-2 | C | L3001 | D-5 | C | C715 | C-3 | C | C3051 | B-7 | C | R323 | C-3 | F | R769 | D-4 | C | R3175 | C-8 | C | R4803 | C-2 | C | L3002 | B-3 | F | C716 | C-3 | C | C3053 | B-7 | C | R414 | D-2 | F | R770 | D-4 | C | R3176 | C-8 | C | R4804 | C-2 | C | L3004 | B-5 | C | C717 | C-3 | C | C3054 | B-7 | C | R415 | B-2 | F | R1411 | B-4 | C | R3177 | B-7 | C | R4805 | C-2 | C | L3005 | D-5 | C | C718 | C-3 | C | C3056 | B-7 | C | R417 | C-2 | F | R1412 | B-4 | C | R3178 | C-8 | C | R4806 | C-2 | C | L3006 | B-3 | F | C719 | B-3 | C | C3059 | B-7 | C | R418 | C-2 | F | R1413 | B-4 | C | R3179 | D-6 | C | R4807 | C-8 | F | L3007 | B-3 | F | C720 | C-3 | C | C3061 | B-7 | C | R419 | C-2 | F | R1414 | B-4 | C | R3180 | D-7 | C | R4808 | C-2 | C | L3008 | B-7 | C | C721 | B-3 | C | C3062 | B-6 | C | R420 | C-2 | F | R1431 | D-4 | C | R3183 | D-5 | C | R4809 | C-2 | C | L3201 | D-5 | C | C722 | D-4 | C | C3064 | B-7 | C | R421 | C-2 | F | R1432 | C-4 | C | R3184 | D-7 | C | R4810 | C-8 | F | L3202 | D-8 | C | C723 | D-4 | C | C3068 | B-5 | C | R422 | C-2 | F | R1461 | C-4 | C | R3188 | D-5 | C | R8001 | B-7 | F | L3301 | C-8 | F | C724 | D-4 | C | C3073 | D-7 | C | R423 | C-2 | F | R1462 | C-4 | C | R3189 | B-7 | C | R8002 | B-6 | F | L3501 | C-6 | F | C725 | D-3 | C | C3077 | D-5 | C | R424 | B-2 | F | R1463 | C-4 | C | R3194 | B-7 | C | R8003 | C-7 | F | L3502 | C-5 | F | C727 | D-3 | C | C3080 | B-6 | C | R425 | C-2 | F | R1464 | C-4 | C | R3197 | D-6 | C | R8004 | C-7 | F | L3503 | C-4 | F | C728 | D-5 | C | C3081 | B-7 | C | R426 | C-2 | F | R3001 | B-6 | C | R3199 | B-4 | F | R8005 | B-7 | F | L3504 | C-4 | F | C729 | D-4 | C | C3202 | B-8 | C | R427 | C-2 | F | R3002 | B-6 | C | R3218 | D-5 | C | R8007 | C-7 | F | L3505 | C-4 | F | C730 | D-4 | C | C3203 | C-8 | C | R501 | B-2 | F | R3005 | B-6 | C | R3223 | B-4 | C | R8008 | C-7 | F | L3506 | C-4 | F | C731 | D-3 | C | C3204 | B-7 | C | R502 | C-3 | F | R3006 | B-6 | C | R3301 | C-8 | F | R9012 | C-2 | F | L4501 | D-7 | F | C733 | D-3 | C | C3206 | D-7 | C | R503 | C-3 | F | R3013 | C-4 | C | R3302 | C-8 | F | R9013 | D-6 | F | L4502 | C-7 | F | C734 | D-3 | C | C3208 | D-8 | C | R506 | D-3 | F | R3015 | D-5 | C | R3303 | C-8 | F | R9014 | C-5 | F | L4504 | D-7 | F | C735 | C-3 | C | C3209 | D-4 | C | R508 | B-3 | F | R3017 | D-5 | C | R3304 | C-8 | F | R9034 | D-5 | F | L8001 | B-7 | F | C736 | B-3 | C | C3212 | C-4 | C | R509 | C-3 | F | R3022 | D-7 | C | R3305 | C-8 | F | R9035 | D-5 | F | L8002 | B-8 | F | C737 | D-3 | C | C3213 | D-5 | C | R510 | C-3 | F | R3023 | D-7 | C | R3307 | B-5 | F | R9036 | D-5 | F | Capacitor | | | | C738 | D-3 | C | C3301 | C-7 | F | R511 | C-3 | F | R3029 | C-7 | C | R3502 | B-5 | F | R9037 | C-3 | F | C301 | D-3 | F | C739 | D-3 | C | C3302 | C-7 | F | R514 | B-3 | F | R3030 | C-7 | C | R3503 | B-5 | F | R9038 | C-3 | F | C302 | D-3 | F | C740 | D-3 | C | C3303 | C-8 | F | R515 | B-3 | F | R3037 | D-6 | C | R3504 | B-5 | F | R9039 | D-2 | C | C303 | D-2 | F | C742 | D-3 | C | C3304 | C-8 | F | R517 | B-3 | F | R3042 | D-5 | C | R3505 | B-5 | F | R9040 | D-2 | C | C304 | C-2 | F | C744 | D-4 | C | C3307 | C-8 | F | R701 | C-2 | C | R3044 | D-6 | C | R3506 | B-5 | F | C305 | D-3 | F | C745 | D-4 | C | C3501 | C-6 | F | R702 | D-3 | C | R3045 | D-6 | C | R3507 | B-5 | F | C306 | D-2 | F | C746 | D-3 | C | C3503 | C-4 | F | R703 | C-3 | C | R3046 | D-6 | C | R3508 | B-5 | F | C307 | D-2 | F | C747 | D-3 | C | C3505 | C-4 | F | R704 | D-2 | C | R3047 | C-5 | C | R3509 | B-5 | F | C309 | D-2 | F | C748 | D-3 | C | C3506 | C-5 | F | R705 | D-2 | C | R3048 | C-5 | C | R3510 | B-5 | F | C310 | D-3 | F | C749 | C-3 | C | C3507 | B-5 | F | R706 | C-3 | C | R3049 | B-5 | C | R3511 | B-5 | F | C311 | D-2 | F | C750 | C-4 | C | C3508 | C-5 | F | R708 | D-2 | C | R3054 | B-5 | C | R3512 | B-5 | F | C312 | D-3 | F | C754 | C-3 | C | C3509 | C-5 | F | R709 | B-3 | C | R3055 | B-5 | C | R3513 | B-5 | F | C314 | D-1 | F | C757 | C-3 | C | C3510 | C-5 | F | R710 | D-2 | C | R3060 | D-6 | F | R3514 | B-5 | F | C315 | D-3 | F | C758 | D-3 | C | C3511 | C-4 | F | R711 | B-3 | C | R3061 | D-7 | F | R3515 | C-5 | F | C316 | D-3 | F | C759 | B-2 | C | C3512 | B-5 | F | R714 | C-2 | C | R3062 | D-6 | F | R3516 | B-5 | F |

9.5. SUB P.C.B. (FOIL SIDE)

(LSEP8474A1: SDR-S26P/PC/PU/PR)
 (LSEP8474C1: SDR-S26P/GT)
 (LSEP8474P1: SDR-S26GC9/GJ/EE/GN/GK)
 (LSEP8474R1: SDR-S26EF/EG/EC/EP/EB)

NOTE: MULTILAYER P.C.B.

THIS P.C.B. IS Multi-Layer P.C.B. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.



(FOIL SIDE)

SDR-S26
SUB P.C.B.

9.6. SUB P.C.B. ADDRESS INFORMATION

Parts Location

| SUB P.C.B. | | | | | | | | | | | | | | |
|--------------------|-----|---|--------------------|-----|---|-------|-----|---|----------|-----|---|-------|-----|---|
| Integrated Circuit | | | TP6015 | C-5 | F | C1024 | C-7 | C | C9905 | B-8 | F | R6014 | B-7 | F |
| IC1001 | C-2 | F | TP6201 | B-5 | C | C1031 | B-2 | F | Resistor | | | R6015 | C-6 | F |
| IC1321 | B-4 | F | TP6202 | B-4 | C | C1032 | B-8 | C | R1001 | D-2 | F | R6016 | C-7 | F |
| IC1501 | B-5 | C | TP6203 | C-5 | C | C1034 | B-8 | C | R1002 | B-1 | F | R6017 | C-7 | F |
| IC1502 | D-3 | C | TP6204 | C-3 | C | C1051 | C-3 | F | R1003 | D-2 | F | R6018 | D-7 | F |
| IC6001 | C-6 | F | TP6205 | C-7 | F | C1052 | C-7 | C | R1005 | C-4 | F | R6019 | B-6 | F |
| IC6002 | D-7 | F | TP9901 | E-9 | F | C1061 | C-2 | F | R1010 | B-3 | F | R6020 | B-6 | F |
| IC6003 | D-8 | F | TP9902 | C-1 | C | C1062 | C-1 | F | R1011 | C-3 | F | R6021 | B-4 | C |
| IC6004 | B-7 | F | TP9903 | C-1 | C | C1066 | C-1 | F | R1012 | C-3 | F | R6022 | B-4 | C |
| IC6201 | C-4 | C | Connector | | | C1081 | B-1 | F | R1013 | C-3 | F | R6023 | B-4 | C |
| IC6202 | D-6 | F | B9002 | C-4 | F | C1082 | B-8 | C | R1015 | C-5 | C | R6024 | B-4 | C |
| IC6203 | D-6 | F | FP11 | D-5 | C | C1101 | D-2 | F | R1020 | B-7 | C | R6025 | B-4 | C |
| IC6204 | B-4 | C | FP61 | E-8 | F | C1103 | C-2 | F | R1021 | C-3 | F | R6026 | B-4 | C |
| Transistor | | | JK1001 | C-1 | C | C1105 | C-2 | F | R1022 | C-3 | F | R6028 | B-3 | C |
| Q1001 | C-5 | C | JK9902 | E-1 | C | C1106 | C-2 | F | R1023 | C-3 | F | R6029 | B-3 | C |
| Q1002 | C-5 | C | JK9903 | B-2 | C | C1109 | C-2 | F | R1030 | B-2 | F | R6030 | B-3 | C |
| Q1003 | C-5 | C | Fuse | | | C1110 | C-2 | F | R1031 | D-2 | F | R6031 | C-4 | C |
| Q1081 | B-2 | F | IP1501 | D-3 | C | C1211 | C-4 | F | R1032 | C-2 | F | R6032 | C-4 | C |
| Q1361 | B-4 | F | IP1502 | D-4 | C | C1213 | C-7 | C | R1033 | C-2 | F | R6038 | B-3 | C |
| Q1362 | C-4 | F | Diode | | | C1218 | C-6 | C | R1050 | C-3 | F | R6039 | B-3 | C |
| Q1501 | C-6 | C | D1061 | B-2 | F | C1225 | B-2 | F | R1051 | C-3 | F | R6041 | B-3 | C |
| Q1503 | C-6 | C | D1081 | B-8 | C | C1227 | B-3 | F | R1052 | C-3 | F | R6042 | B-3 | C |
| Q1504 | C-6 | C | D1101 | D-2 | F | C1231 | B-7 | C | R1053 | C-3 | F | R6043 | C-4 | C |
| Q1505 | C-6 | C | D1221 | B-3 | F | C1232 | B-7 | C | R1061 | C-2 | F | R6044 | D-6 | F |
| Q1506 | C-6 | C | D1222 | B-3 | F | C1233 | C-3 | F | R1062 | C-2 | F | R6045 | C-7 | F |
| Q1507 | C-5 | C | D1501 | D-4 | C | C1237 | B-6 | C | R1063 | C-2 | F | R6046 | C-4 | C |
| Q1508 | D-3 | C | D1502 | D-4 | C | C1238 | B-6 | C | R1102 | C-2 | F | R6047 | D-7 | F |
| Q6001 | B-6 | F | D1503 | D-4 | C | C1251 | C-7 | C | R1108 | B-2 | F | R6048 | C-4 | C |
| Q6002 | B-6 | F | D1504 | D-3 | C | C1256 | C-6 | C | R1114 | C-2 | F | R6049 | C-4 | C |
| Q6003 | B-6 | F | D1505 | D-4 | C | C1271 | B-5 | F | R1233 | B-6 | C | R6050 | D-7 | F |
| Q6004 | D-6 | F | D6001 | C-3 | C | C1321 | B-3 | F | R1361 | B-4 | F | R6052 | C-7 | F |
| Q6201 | B-5 | C | D6002 | B-3 | C | C1322 | C-4 | F | R1362 | C-4 | F | R6053 | B-7 | F |
| Q6202 | B-4 | C | D6201 | B-4 | C | C1323 | B-4 | F | R1363 | C-4 | F | R6054 | D-6 | F |
| Q6203 | C-5 | C | D6202 | C-4 | C | C1324 | C-4 | F | R1364 | C-4 | F | R6055 | D-6 | F |
| Test Point | | | D9901 | B-3 | C | C1361 | C-4 | F | R1365 | B-4 | F | R6056 | B-3 | C |
| Switch | | | Switch | | | C1393 | C-2 | F | R1376 | C-2 | F | R6057 | D-6 | F |
| TP1 | D-6 | C | SW6001 | B-5 | C | C1501 | D-3 | C | R1391 | C-2 | F | R6058 | B-7 | F |
| TP3 | C-5 | C | SW6002 | B-6 | C | C1502 | D-4 | C | R1392 | C-2 | F | R6059 | D-7 | F |
| TP4 | D-7 | C | SW6004 | B-4 | C | C1503 | B-6 | C | R1393 | C-2 | F | R6060 | B-3 | C |
| TP10 | C-8 | C | SW9901 | B-9 | C | C1504 | C-3 | C | R1479 | B-5 | F | R6061 | C-7 | F |
| TP11 | C-7 | C | Crystal Oscillator | | | C1505 | B-5 | C | R1480 | B-5 | F | R6062 | C-6 | F |
| TP17 | D-6 | C | X6001 | B-5 | F | C1507 | D-4 | C | R1500 | E-2 | C | R6063 | C-6 | F |
| TP21 | C-6 | C | X6201 | C-4 | C | C1508 | D-4 | C | R1501 | D-3 | C | R6064 | C-4 | C |
| TP31 | B-7 | C | Coil | | | C1510 | D-3 | C | R1502 | C-4 | C | R6067 | B-6 | C |
| TP41 | B-6 | C | L1021 | C-7 | C | C6001 | B-6 | F | R1503 | C-4 | C | R6068 | B-6 | C |
| TP51 | C-7 | C | L1030 | B-2 | F | C6002 | B-6 | F | R1504 | C-3 | C | R6069 | B-4 | C |
| TP62 | D-6 | C | L1031 | C-8 | C | C6003 | B-6 | F | R1505 | C-3 | C | R6070 | B-6 | C |
| TP71 | D-6 | C | L1051 | C-8 | C | C6004 | B-6 | F | R1506 | C-4 | C | R6071 | C-3 | C |
| TP81 | D-6 | C | L1061 | C-8 | C | C6005 | D-7 | F | R1507 | C-4 | C | R6072 | C-3 | C |
| TP91 | B-7 | C | L1062 | C-7 | C | C6006 | B-7 | F | R1508 | C-3 | C | R6073 | C-4 | C |
| TP93 | B-1 | F | L1211 | C-4 | F | C6007 | B-7 | F | R1510 | B-6 | C | R6074 | C-4 | C |
| TP94 | B-1 | F | L1213 | C-6 | C | C6008 | C-7 | F | R1511 | C-6 | C | R6075 | C-7 | F |
| TP101 | C-2 | F | L1231 | B-7 | C | C6009 | D-7 | F | R1512 | C-6 | C | R6201 | C-5 | C |
| TP102 | C-2 | F | L1232 | B-7 | C | C6010 | C-8 | F | R1513 | B-5 | C | R6202 | C-5 | C |
| TP104 | C-3 | F | L1233 | C-3 | F | C6011 | C-8 | F | R1515 | C-6 | C | R6203 | B-5 | C |
| TP108 | C-3 | F | L1236 | B-6 | C | C6012 | D-7 | F | R1516 | C-6 | C | R6204 | C-5 | C |
| TP110 | C-2 | F | L1251 | C-7 | C | C6013 | C-7 | F | R1517 | C-6 | C | R6205 | C-5 | C |
| TP114 | C-2 | F | L1261 | B-5 | F | C6014 | C-7 | F | R1518 | C-6 | C | R6206 | C-4 | C |
| TP117 | B-2 | F | L1271 | B-5 | F | C6015 | B-6 | F | R1519 | C-6 | C | R6207 | D-6 | F |
| TP118 | C-2 | F | L1281 | C-8 | C | C6016 | B-6 | F | R1520 | C-6 | C | R6209 | C-5 | C |
| TP1501 | C-2 | C | L1321 | C-4 | F | C6017 | C-4 | C | R1521 | C-6 | C | R9901 | D-7 | F |
| TP1502 | D-2 | C | L1501 | D-3 | C | C6018 | B-3 | C | R1522 | B-6 | C | R9906 | D-8 | F |
| TP1503 | D-4 | C | L1502 | D-2 | C | C6019 | B-3 | C | R1523 | D-3 | C | R9907 | B-9 | F |
| TP6001 | C-7 | F | L6001 | D-7 | F | C6020 | B-7 | F | R1524 | D-3 | C | R9909 | B-8 | F |
| TP6002 | C-7 | F | L9903 | D-9 | F | C6021 | C-3 | C | R6002 | B-7 | F | R9910 | D-4 | C |
| TP6003 | C-7 | F | L9904 | B-8 | F | C6022 | C-8 | F | R6003 | B-7 | F | | | |
| TP6004 | C-4 | C | L9905 | B-8 | F | C6201 | D-6 | F | R6004 | C-5 | F | | | |
| TP6005 | C-7 | F | L9906 | B-8 | F | C6202 | B-4 | C | R6005 | B-6 | F | | | |
| TP6006 | C-4 | C | Capacitor | | | C6203 | B-5 | C | R6006 | B-6 | F | | | |
| TP6007 | C-7 | F | C1001 | D-7 | C | C6204 | B-4 | C | R6007 | B-6 | F | | | |
| TP6008 | C-7 | F | C1011 | B-3 | F | C6205 | B-5 | C | R6008 | B-6 | F | | | |
| TP6009 | C-7 | F | C1012 | B-4 | F | C6206 | C-4 | C | R6009 | C-6 | F | | | |
| TP6010 | C-5 | F | C1013 | C-3 | F | C9901 | D-1 | C | R6010 | B-7 | F | | | |
| TP6011 | C-5 | F | C1014 | B-3 | F | C9902 | D-8 | F | R6011 | B-7 | F | | | |
| TP6012 | B-3 | C | C1021 | B-7 | C | C9903 | B-8 | F | R6012 | B-6 | F | | | |
| TP6013 | C-3 | C | C1022 | C-7 | C | C9904 | B-8 | F | R6013 | D-7 | F | | | |

ADDRESS INFORMATION C...COMPONENT SIDE F...FOIL SIDE

10 Appendix Information of Schematic Diagram

10.1. Checking Point Table of the CSP IC

Check Point of the IC302

| CSP IC | | Check Point | | WF NO. | Remarks | CSP IC | | Check Point | | WF NO. | Remarks |
|--------|---------|-------------|-----|--------|-----------------|--------|---------|-------------|-----|--------|-----------------|
| Pin | Name | | | | | Pin | Name | | | | |
| A1 | H1 | C319(LEFT) | D-3 | WF-213 | MAIN P.C.B. (F) | H6 | DVDD1 | ———— | — | — | |
| A2 | DVDD5 | ———— | — | — | | H7 | MON | ———— | — | — | |
| A3 | DVSS5 | ———— | — | — | | H8 | VL | ———— | — | — | |
| A4 | DLLC | C316(LEFT) | D-3 | WF-1 | MAIN P.C.B. (F) | H9 | NC | ———— | — | — | |
| A5 | DVSS3 | ———— | — | — | | H10 | SUB | C327(LEFT) | C-2 | WF-1 | MAIN P.C.B. (F) |
| A6 | DVDD3 | ———— | — | — | | J1 | BIAS | R316(RIGTH) | D-2 | WF-1 | MAIN P.C.B. (F) |
| A7 | OSC_O | ———— | — | — | | J2 | NC | ———— | — | — | |
| A8 | OSC_I | R323(UPPER) | C-3 | WF-112 | MAIN P.C.B. (F) | J3 | SHC | C322(UPPER) | D-2 | WF-1 | MAIN P.C.B. (F) |
| A9 | SCAN | ———— | — | — | | J4 | AVSS12 | ———— | — | — | |
| A10 | NC | ———— | — | — | | J5 | AVSS12 | ———— | — | — | |
| B1 | H2 | C312(LOWER) | D-3 | WF-213 | MAIN P.C.B. (F) | J6 | SCK | TP307 | D-2 | WF-166 | MAIN P.C.B. (F) |
| B2 | DVDD5 | ———— | — | — | | J7 | NC | ———— | — | — | |
| B3 | DVSS5 | ———— | — | — | | J8 | ADCK2 | ———— | — | — | |
| B4 | DVSS5 | ———— | — | — | | J9 | ID | ———— | — | — | |
| B5 | CLK_O | ———— | — | — | | J10 | SDI | TP306 | C-2 | WF-149 | MAIN P.C.B. (F) |
| B6 | RESET | C305(LEFT) | D-3 | WF-1 | MAIN P.C.B. (F) | K1 | CCD_GND | ———— | — | — | |
| B7 | V1 | ———— | — | — | | K2 | SHC | C322(UPPER) | D-2 | WF-1 | MAIN P.C.B. (F) |
| B8 | D7 | ———— | — | — | | K3 | FBC | C322(LOWER) | D-2 | WF-1 | MAIN P.C.B. (F) |
| B9 | D11 | ———— | — | — | | K4 | CCD_IN | C328(LOWER) | D-2 | WF-210 | MAIN P.C.B. (F) |
| B10 | D10 | ———— | — | — | | K5 | AVSS12 | ———— | — | — | |
| C1 | RG | C331(LOWER) | D-2 | WF-1 | MAIN P.C.B. (F) | K6 | VRT | C323(RIGTH) | D-2 | WF-1 | MAIN P.C.B. (F) |
| C2 | VDR_VDD | ———— | — | — | | K7 | VRB | C321(RIGTH) | D-2 | WF-1 | MAIN P.C.B. (F) |
| C3 | VDR_VDD | ———— | — | — | | K8 | AVDD2 | ———— | — | — | |
| C4 | VD_I/O | R422(UPPER) | C-2 | WF-174 | MAIN P.C.B. (F) | K9 | CS | TP308 | C-2 | WF-73 | MAIN P.C.B. (F) |
| C5 | HD_I/O | R421(UPPER) | C-2 | WF-213 | MAIN P.C.B. (F) | K10 | VHH | ———— | — | — | |
| C6 | VH | ———— | — | — | | | | | | | |
| C7 | D9 | ———— | — | — | | | | | | | |
| C8 | V3 | ———— | — | — | | | | | | | |
| C9 | V2 | ———— | — | — | | | | | | | |
| C10 | D8 | ———— | — | — | | | | | | | |
| D1 | DVDD4 | ———— | — | — | | | | | | | |
| D2 | HL | ———— | — | — | | | | | | | |
| D3 | DVSS4 | ———— | — | — | | | | | | | |
| D4 | VM | ———— | — | — | | | | | | | |
| D8 | D4 | ———— | — | — | | | | | | | |
| D9 | D6 | ———— | — | — | | | | | | | |
| D10 | DVDD2 | ———— | — | — | | | | | | | |
| E1 | DVSS4 | ———— | — | — | | | | | | | |
| E2 | DVSS4 | ———— | — | — | | | | | | | |
| E3 | DVSS4 | ———— | — | — | | | | | | | |
| E8 | V4 | ———— | — | — | | | | | | | |
| E9 | D5 | ———— | — | — | | | | | | | |
| E10 | D2 | TP316 | B-2 | WF-11 | MAIN P.C.B. (F) | | | | | | |
| F1 | DVDD1 | ———— | — | — | | | | | | | |
| F2 | DVSS1 | ———— | — | — | | | | | | | |
| F3 | DVSS4 | ———— | — | — | | | | | | | |
| F8 | V5 | ———— | — | — | | | | | | | |
| F9 | D3 | ———— | — | — | | | | | | | |
| F10 | D0 | ———— | — | — | | | | | | | |
| G1 | AVDD1 | ———— | — | — | | | | | | | |
| G2 | NC | ———— | — | — | | | | | | | |
| G3 | TEST_02 | ———— | — | — | | | | | | | |
| G8 | V6 | ———— | — | — | | | | | | | |
| G9 | D1 | ———— | — | — | | | | | | | |
| G10 | DVSS12 | ———— | — | — | | | | | | | |
| H1 | VRM | C309(RIGTH) | D-2 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| H2 | OSC_ON | R321(LEFT) | D-2 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| H3 | AVSS12 | ———— | — | — | | | | | | | |
| H4 | AVSS12 | ———— | — | — | | | | | | | |
| H5 | DVDD1 | ———— | — | — | | | | | | | |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC401

| CSP IC | | Check Point | | WF NO. | Remarks | CSP IC | | Check Point | | WF NO. | Remarks |
|--------|----------|-------------|-----|--------|-----------------|--------|------|-------------|-----|--------|---------|
| Pin | Name | | | | | Pin | Name | | | | |
| A1 | GND3 | _____ | --- | --- | | H8 | GND1 | _____ | --- | --- | |
| A2 | TMC2 | _____ | --- | --- | | | | | | | |
| A3 | BE_VD | R419(LOWER) | C-2 | WF-174 | MAIN P.C.B. (F) | | | | | | |
| A4 | FE_VD | R422(LOWER) | C-2 | WF-174 | MAIN P.C.B. (F) | | | | | | |
| A5 | GND1 | _____ | --- | --- | | | | | | | |
| A6 | USBCLK | R423(LEFT) | C-2 | WF-149 | MAIN P.C.B. (F) | | | | | | |
| A7 | VDD3 | _____ | --- | --- | | | | | | | |
| A8 | GND1 | _____ | --- | --- | | | | | | | |
| B1 | CLKOUT | R418(LOWER) | C-2 | WF-123 | MAIN P.C.B. (F) | | | | | | |
| B2 | TRST | _____ | --- | --- | | | | | | | |
| B3 | BE_HD | R420(LOWER) | C-2 | WF-213 | MAIN P.C.B. (F) | | | | | | |
| B4 | FE_HD | R421(LOWER) | C-2 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| B5 | PORL | C405(LEFT) | C-2 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| B6 | NP_SEL | R427(RIGHT) | C-3 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| B7 | GND3 | _____ | --- | --- | | | | | | | |
| B8 | FCKOUT | R417(LOWER) | C-2 | WF-112 | MAIN P.C.B. (F) | | | | | | |
| C1 | CLKIN | C406(UPPER) | C-2 | WF-191 | MAIN P.C.B. (F) | | | | | | |
| C2 | AMC | _____ | --- | --- | | | | | | | |
| C3 | TMC1 | _____ | --- | --- | | | | | | | |
| C4 | VDD1 | _____ | --- | --- | | | | | | | |
| C5 | VDD1 | _____ | --- | --- | | | | | | | |
| C6 | DATAOUT9 | _____ | --- | --- | | | | | | | |
| C7 | DATAOUT8 | _____ | --- | --- | | | | | | | |
| C8 | VDD3 | _____ | --- | --- | | | | | | | |
| D1 | VDD3 | _____ | --- | --- | | | | | | | |
| D2 | PD | R424(UPPER) | B-2 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| D3 | GND1 | _____ | --- | --- | | | | | | | |
| D4 | GND | _____ | --- | --- | | | | | | | |
| D6 | VDD1 | _____ | --- | --- | | | | | | | |
| D7 | DATAOUT7 | _____ | --- | --- | | | | | | | |
| D8 | DATAOUT6 | _____ | --- | --- | | | | | | | |
| E1 | VOUT | R425(LEFT) | B-2 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| E2 | AVDD | _____ | --- | --- | | | | | | | |
| E3 | VDD1 | _____ | --- | --- | | | | | | | |
| E6 | GND1 | _____ | --- | --- | | | | | | | |
| E7 | DATAOUT5 | _____ | --- | --- | | | | | | | |
| E8 | DATAOUT4 | _____ | --- | --- | | | | | | | |
| F1 | AGND | _____ | --- | --- | | | | | | | |
| F2 | GND3 | _____ | --- | --- | | | | | | | |
| F3 | DATAIN9 | _____ | --- | --- | | | | | | | |
| F4 | GND1 | _____ | --- | --- | | | | | | | |
| F5 | VDD1 | _____ | --- | --- | | | | | | | |
| F6 | DATAOUT3 | _____ | --- | --- | | | | | | | |
| F7 | DATAOUT2 | _____ | --- | --- | | | | | | | |
| F8 | DATAOUT1 | _____ | --- | --- | | | | | | | |
| G1 | SD1 | _____ | --- | --- | | | | | | | |
| G2 | CS | R415(UPPER) | B-2 | WF-149 | MAIN P.C.B. (F) | | | | | | |
| G3 | DATAIN8 | _____ | --- | --- | | | | | | | |
| G4 | DATAIN7 | _____ | --- | --- | | | | | | | |
| G5 | DATAIN5 | _____ | --- | --- | | | | | | | |
| G6 | DATAIN3 | _____ | --- | --- | | | | | | | |
| G7 | DATAIN1 | _____ | --- | --- | | | | | | | |
| G8 | DATAOUT0 | TP3039 | B-3 | WF-11 | MAIN P.C.B. (F) | | | | | | |
| H1 | GND3 | _____ | --- | --- | | | | | | | |
| H2 | SCK | TP307 | D-2 | WF-166 | MAIN P.C.B. (F) | | | | | | |
| H3 | VDD3 | _____ | --- | --- | | | | | | | |
| H4 | DATAIN6 | _____ | --- | --- | | | | | | | |
| H5 | DATAIN4 | _____ | --- | --- | | | | | | | |
| H6 | DATAIN2 | _____ | --- | --- | | | | | | | |
| H7 | DATAIN0 | TP316 | B-2 | WF-11 | MAIN P.C.B. (F) | | | | | | |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC501

| CSP IC | | Check Point | WF NO. | Remarks | CSP IC | | Check Point | WF NO. | Remarks |
|--------|---------|-------------|--------|---------|-----------------|------|-------------|--------|---------|
| Pin | Name | | | | Pin | Name | | | |
| A1 | NC | _____ | --- | --- | | | | | |
| A2 | VDDCPU | _____ | --- | --- | | | | | |
| A3 | VDDI | _____ | --- | --- | | | | | |
| A4 | CSL | TP506 | C-3 | WF-149 | MAIN P.C.B. (F) | | | | |
| A5 | MADB1 | TP3003 | C-3 | WF-11 | MAIN P.C.B. (F) | | | | |
| A6 | VDDCPU | _____ | --- | --- | | | | | |
| A7 | VDDI | _____ | --- | --- | | | | | |
| A8 | MADB7 | _____ | --- | --- | | | | | |
| A9 | MADB9 | _____ | --- | --- | | | | | |
| A10 | VDDCPU | _____ | --- | --- | | | | | |
| A11 | NC | _____ | --- | --- | | | | | |
| B1 | ASTB | R9036(LEFT) | C-3 | WF-1 | MAIN P.C.B. (F) | | | | |
| B2 | REL | R9038(LEFT) | C-3 | WF-4 | MAIN P.C.B. (F) | | | | |
| B3 | WEL | R9037(LEFT) | C-3 | WF-1 | MAIN P.C.B. (F) | | | | |
| B4 | WAIT | _____ | --- | --- | | | | | |
| B5 | MADB2 | _____ | --- | --- | | | | | |
| B6 | MADB3 | _____ | --- | --- | | | | | |
| B7 | MADB5 | _____ | --- | --- | | | | | |
| B8 | MADB8 | _____ | --- | --- | | | | | |
| B9 | MADB10 | _____ | --- | --- | | | | | |
| B10 | MADB12 | _____ | --- | --- | | | | | |
| B11 | MADB14 | _____ | --- | --- | | | | | |
| C1 | VDDI | _____ | --- | --- | | | | | |
| C2 | CLKRST | C504(LOWER) | C-3 | WF-1 | MAIN P.C.B. (F) | | | | |
| C3 | VSS | _____ | --- | --- | | | | | |
| C4 | MADB0 | _____ | --- | --- | | | | | |
| C5 | VSS | _____ | --- | --- | | | | | |
| C6 | MADB4 | _____ | --- | --- | | | | | |
| C7 | MADB6 | _____ | --- | --- | | | | | |
| C8 | VSS | _____ | --- | --- | | | | | |
| C9 | MADB11 | _____ | --- | --- | | | | | |
| C10 | MADB13 | _____ | --- | --- | | | | | |
| C11 | VDDI | _____ | --- | --- | | | | | |
| D1 | PLLVS | _____ | --- | --- | | | | | |
| D2 | POR | C505(LOWER) | C-3 | WF-1 | MAIN P.C.B. (F) | | | | |
| D3 | VSS | _____ | --- | --- | | | | | |
| D9 | VSS | _____ | --- | --- | | | | | |
| D10 | MADB15 | _____ | --- | --- | | | | | |
| D11 | VDDCPU | _____ | --- | --- | | | | | |
| E1 | PLLVD | _____ | --- | --- | | | | | |
| E2 | VDDI | _____ | --- | --- | | | | | |
| E3 | FJTEST5 | _____ | --- | --- | | | | | |
| E9 | TMODE2 | R515(RIGHT) | B-3 | WF-1 | MAIN P.C.B. (F) | | | | |
| E10 | TMODE1 | R514(RIGHT) | B-3 | WF-1 | MAIN P.C.B. (F) | | | | |
| E11 | TMODE0 | R508(LEFT) | B-3 | WF-1 | MAIN P.C.B. (F) | | | | |
| F1 | VDDI | _____ | --- | --- | | | | | |
| F2 | FJTEST3 | _____ | --- | --- | | | | | |
| F3 | FJTEST4 | _____ | --- | --- | | | | | |
| F9 | TSOUT1 | _____ | --- | --- | | | | | |
| F10 | TSOUT0 | TP514 | D-3 | WF-1 | MAIN P.C.B. (F) | | | | |
| F11 | TMODE3 | R517(RIGHT) | B-3 | WF-1 | MAIN P.C.B. (F) | | | | |
| G1 | FCK | R414(LOWER) | D-2 | WF-112 | MAIN P.C.B. (F) | | | | |
| G2 | FJTEST2 | _____ | --- | --- | | | | | |
| G3 | VSS | _____ | --- | --- | | | | | |
| G9 | TSOUT3 | _____ | --- | --- | | | | | |
| G10 | TSOUT2 | _____ | --- | --- | | | | | |
| G11 | VDDCPU | _____ | --- | --- | | | | | |
| H1 | VDDRGB | _____ | --- | --- | | | | | |
| H2 | FJTEST1 | _____ | --- | --- | | | | | |
| H3 | VPD | _____ | --- | --- | | | | | |
| H9 | VSS | _____ | --- | --- | | | | | |
| H10 | TSOUT5 | _____ | --- | --- | | | | | |
| H11 | TSOUT4 | _____ | --- | --- | | | | | |
| J1 | VCOOUT | _____ | --- | --- | | | | | |
| J2 | VDDI | _____ | --- | --- | | | | | |
| J3 | VSS | _____ | --- | --- | | | | | |
| J4 | GYIN1 | _____ | --- | --- | | | | | |
| J5 | GYIN4 | _____ | --- | --- | | | | | |
| J6 | VSS | _____ | --- | --- | | | | | |
| J7 | GYIN8 | _____ | --- | --- | | | | | |
| J8 | VSS | _____ | --- | --- | | | | | |
| J9 | TSOUT7 | _____ | --- | --- | | | | | |
| J10 | TSOUT6 | _____ | --- | --- | | | | | |
| J11 | VDDI | _____ | --- | --- | | | | | |
| K1 | CKEX | _____ | --- | --- | | | | | |
| K2 | SELOH | R511(RIGHT) | C-3 | WF-1 | MAIN P.C.B. (F) | | | | |
| K3 | HD | R503(RIGHT) | C-3 | WF-213 | MAIN P.C.B. (F) | | | | |
| K4 | GYIN0 | TP316 | B-2 | WF-11 | MAIN P.C.B. (F) | | | | |
| K5 | GYIN3 | _____ | --- | --- | | | | | |
| K6 | GYIN5 | _____ | --- | --- | | | | | |
| K7 | GYIN7 | _____ | --- | --- | | | | | |
| K8 | GYIN9 | _____ | --- | --- | | | | | |
| K9 | TSOUT10 | _____ | --- | --- | | | | | |
| K10 | TSOUT9 | _____ | --- | --- | | | | | |
| K11 | TSOUT8 | _____ | --- | --- | | | | | |
| L1 | NC | _____ | --- | --- | | | | | |
| L2 | VDDRGB | _____ | --- | --- | | | | | |
| L3 | GLVD | R502(RIGHT) | C-3 | WF-174 | MAIN P.C.B. (F) | | | | |
| L4 | VDDI | _____ | --- | --- | | | | | |
| L5 | GYIN2 | _____ | --- | --- | | | | | |
| L6 | VDDRGB | _____ | --- | --- | | | | | |
| L7 | GYIN6 | _____ | --- | --- | | | | | |
| L8 | VDDI | _____ | --- | --- | | | | | |
| L9 | TSOUT11 | _____ | --- | --- | | | | | |
| L10 | VDDCPU | _____ | --- | --- | | | | | |
| L11 | NC | _____ | --- | --- | | | | | |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC701

| CSP IC | | Check Point | | WF NO. | Remarks | CSP IC | | Check Point | | WF NO. | Remarks |
|--------|--------|--------------|-----|--------|-----------------|--------|---------|--------------|-----|--------|-----------------|
| Pin | Name | | | | | Pin | Name | | | | |
| A1 | TEST1 | _____ | ___ | ___ | | F1 | ZMPWMA | R717 (LOWER) | C-3 | WF-1 | MAIN P.C.B. (C) |
| A2 | VDD30 | _____ | ___ | ___ | | F2 | ZMPWMB | R718 (LOWER) | C-3 | WF-1 | MAIN P.C.B. (C) |
| A3 | NDINN | _____ | ___ | ___ | | F3 | EVRLD | TP705 | D-6 | WF-1 | MAIN P.C.B. (F) |
| A4 | NDHINP | _____ | ___ | ___ | | F4 | CKSEL | _____ | ___ | ___ | |
| A5 | NDCNTP | C714 (LOWER) | C-2 | WF-1 | MAIN P.C.B. (C) | F5 | SIG | _____ | ___ | ___ | |
| A6 | NDERP | _____ | ___ | ___ | | F6 | VCC2 | _____ | ___ | ___ | |
| A7 | NDMP | _____ | ___ | ___ | | F7 | EZB | R719 (LEFT) | B-3 | WF-1 | MAIN P.C.B. (F) |
| A8 | VSHT | _____ | ___ | ___ | | F8 | ZBP | _____ | ___ | ___ | |
| A9 | FNO | C710 (LOWER) | C-2 | WF-1 | MAIN P.C.B. (C) | F9 | LCAP | _____ | ___ | ___ | |
| A10 | IRHINP | C706 (LOWER) | C-2 | WF-1 | MAIN P.C.B. (C) | F10 | ZAP | _____ | ___ | ___ | |
| A11 | IRHGR | R702 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) | F11 | ZBN | _____ | ___ | ___ | |
| A12 | TEST2 | _____ | ___ | ___ | | F12 | MGND2 | _____ | ___ | ___ | |
| B1 | VDD18 | _____ | ___ | ___ | | G1 | IRISPWM | R720 (LEFT) | C-3 | WF-154 | MAIN P.C.B. (C) |
| B2 | DGND | _____ | ___ | ___ | | G2 | LINPWM | _____ | ___ | ___ | |
| B3 | NDFNO | _____ | ___ | ___ | | G3 | PWMOISP | R721 (LOWER) | C-3 | WF-154 | MAIN P.C.B. (C) |
| B4 | NDHR | _____ | ___ | ___ | | G4 | PWMHFB | R719 (RIGHT) | B-3 | WF-1 | MAIN P.C.B. (C) |
| B5 | NDHGR | _____ | ___ | ___ | | G5 | NDPWM | _____ | ___ | ___ | |
| B6 | NDCNTO | _____ | ___ | ___ | | G6 | NC | _____ | ___ | ___ | |
| B7 | VM5 | _____ | ___ | ___ | | G7 | PERP | C720 (LEFT) | C-3 | WF-1 | MAIN P.C.B. (C) |
| B8 | IRMN | _____ | ___ | ___ | | G8 | PGYSIG | C723 (LOWER) | D-4 | WF-1 | MAIN P.C.B. (C) |
| B9 | IRINN | C710 (UPPER) | D-2 | WF-1 | MAIN P.C.B. (C) | G9 | YGYOUT | C725 (LEFT) | D-2 | WF-1 | MAIN P.C.B. (C) |
| B10 | IRHINN | _____ | ___ | ___ | | G10 | VCC1 | _____ | ___ | ___ | |
| B11 | IRCNTO | R705 (UPPER) | D-2 | WF-1 | MAIN P.C.B. (C) | G11 | AGND | _____ | ___ | ___ | |
| B12 | LCB | C762 (LOWER) | D-2 | WF-1 | MAIN P.C.B. (C) | G12 | EZA | C727 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) |
| C1 | NC | _____ | ___ | ___ | | H1 | PWMDISY | R739 (RIGHT) | C-3 | WF-1 | MAIN P.C.B. (C) |
| C2 | SCLK | TP701 | C-6 | WF-73 | MAIN P.C.B. (F) | H2 | PWMHFA | R730 (UPPER) | D-3 | WF-1 | MAIN P.C.B. (C) |
| C3 | SDO | TP703 | D-6 | WF-73 | MAIN P.C.B. (F) | H3 | AFIN | R741 (RIGHT) | C-3 | WF-1 | MAIN P.C.B. (C) |
| C4 | LVD | R419 (UPPER) | C-2 | WF-1 | MAIN P.C.B. (F) | H4 | MXFO | R706 (LOWER) | C-3 | WF-1 | MAIN P.C.B. (C) |
| C5 | NDINF | _____ | ___ | ___ | | H5 | MXFI | _____ | ___ | ___ | |
| C6 | NDCNTN | _____ | ___ | ___ | | H6 | PHGR | R736 (RIGHT) | C-3 | WF-1 | MAIN P.C.B. (C) |
| C7 | MGND5 | _____ | ___ | ___ | | H7 | PFO | R737 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) |
| C8 | IRERN | C711 (LOWER) | D-2 | WF-1 | MAIN P.C.B. (C) | H8 | YHINP | C731 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) |
| C9 | IRHR | C706 (UPPER) | C-2 | WF-1 | MAIN P.C.B. (C) | H9 | ADVP | _____ | ___ | ___ | |
| C10 | IRHB2 | _____ | ___ | ___ | | H10 | PGYOUT | C733 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) |
| C11 | LCBN | _____ | ___ | ___ | | H11 | YGYSIG | C729 (LOWER) | D-4 | WF-1 | MAIN P.C.B. (C) |
| C12 | VM3 | _____ | ___ | ___ | | H12 | YGYREF | R725 (RIGHT) | D-3 | WF-1 | MAIN P.C.B. (C) |
| D1 | DGND | _____ | ___ | ___ | | J1 | AF1P | _____ | ___ | ___ | |
| D2 | HD | R420 (UPPER) | C-2 | WF-288 | MAIN P.C.B. (F) | J2 | MGND4 | _____ | ___ | ___ | |
| D3 | STLHD | R420 (UPPER) | C-2 | WF-288 | MAIN P.C.B. (F) | J3 | AF2N | _____ | ___ | ___ | |
| D4 | NPORI | R709 (RIGHT) | B-3 | WF-1 | MAIN P.C.B. (C) | J4 | AF1O | R742 (RIGHT) | C-3 | WF-1 | MAIN P.C.B. (C) |
| D5 | NSCS | TP702 | D-6 | WF-73 | MAIN P.C.B. (F) | J5 | MRB | _____ | ___ | ___ | |
| D6 | NDHINN | _____ | ___ | ___ | | J6 | PHOP | _____ | ___ | ___ | |
| D7 | IRMP | C712 (LOWER) | D-2 | WF-1 | MAIN P.C.B. (C) | J7 | YMN | _____ | ___ | ___ | |
| D8 | IRINP | R710 (LOWER) | D-2 | WF-1 | MAIN P.C.B. (C) | J8 | YHON | C731 (RIGHT) | D-3 | WF-1 | MAIN P.C.B. (C) |
| D9 | IRPWMB | R711 (UPPER) | B-3 | WF-154 | MAIN P.C.B. (C) | J9 | YPOS | C758 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) |
| D10 | LCA | C763 (LOWER) | D-2 | WF-1 | MAIN P.C.B. (C) | J10 | PGYROIN | R738 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) |
| D11 | LCAN | _____ | ___ | ___ | | J11 | ADVN | _____ | ___ | ___ | |
| D12 | MGND3 | _____ | ___ | ___ | | J12 | PGYREF | R733 (RIGHT) | D-3 | WF-1 | MAIN P.C.B. (C) |
| E1 | CKIN | C754 (UPPER) | C-3 | WF-48 | MAIN P.C.B. (C) | K1 | AF2P | _____ | ___ | ___ | |
| E2 | BCOMP | _____ | ___ | ___ | | K2 | VM4 | _____ | ___ | ___ | |
| E3 | ACOMP | _____ | ___ | ___ | | K3 | AF1IN | R717 (LOWER) | C-3 | WF-157 | MAIN P.C.B. (C) |
| E4 | CCDVD | R419 (UPPER) | C-2 | WF-1 | MAIN P.C.B. (C) | K4 | MRA | _____ | ___ | ___ | |
| E5 | SDI | TP704 | D-6 | WF-1 | MAIN P.C.B. (F) | K5 | PHINN | _____ | ___ | ___ | |
| E6 | NDERN | _____ | ___ | ___ | | K6 | PHR | _____ | ___ | ___ | |
| E7 | IRERP | C715 (LEFT) | C-3 | WF-1 | MAIN P.C.B. (C) | K7 | PMN | _____ | ___ | ___ | |
| E8 | IRCNTP | C714 (UPPER) | C-2 | WF-1 | MAIN P.C.B. (C) | K8 | PMN | C744 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) |
| E9 | IRCNTN | R714 (LOWER) | C-2 | WF-1 | MAIN P.C.B. (C) | K9 | YERP | C736 (LEFT) | B-3 | WF-1 | MAIN P.C.B. (C) |
| E10 | LCBP | _____ | ___ | ___ | | K10 | YHR | _____ | ___ | ___ | |
| E11 | ZAN | _____ | ___ | ___ | | K11 | YHGR | R752 (LEFT) | C-3 | WF-1 | MAIN P.C.B. (C) |
| E12 | VM2 | _____ | ___ | ___ | | K12 | YGYROIN | R747 (LEFT) | D-2 | WF-1 | MAIN P.C.B. (C) |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC701

| CSP IC | | Check Point | | WF NO. | | Remarks |
|--------|-------|--------------|-----|--------|-----------------|---------|
| Pin | Name | | | | | |
| L1 | EAF1 | R741 (RIGHT) | C-3 | WF-1 | MAIN P.C.B. (C) | |
| L2 | EAF2 | R718 (LOWER) | C-3 | WF-1 | MAIN P.C.B. (C) | |
| L3 | MA | ———— | — | — | | |
| L4 | MB | ———— | — | — | | |
| L5 | PHINP | C748 (UPPER) | D-3 | WF-1 | MAIN P.C.B. (C) | |
| L6 | PPOS | C757 (UPPER) | C-3 | WF-1 | MAIN P.C.B. (C) | |
| L7 | PDI | R745 (RIGHT) | D-3 | WF-1 | MAIN P.C.B. (C) | |
| L8 | PMP | C739 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) | |
| L9 | YMP | C744 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) | |
| L10 | YFO | R749 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) | |
| L11 | YHOP | ———— | — | — | | |
| L12 | YHINN | ———— | — | — | | |
| M1 | FCA | ———— | — | — | | |
| M2 | MIXO | ———— | — | — | | |
| M3 | REFI | C750 (LOWER) | C-3 | WF-1 | MAIN P.C.B. (C) | |
| M4 | MREF | ———— | — | — | | |
| M5 | PHON | C748 (LOWER) | D-3 | WF-1 | MAIN P.C.B. (C) | |
| M6 | PERN | C721 (LOWER) | C-3 | WF-1 | MAIN P.C.B. (C) | |
| M7 | PFI | R744 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) | |
| M8 | MGND1 | ———— | — | — | | |
| M9 | VM1 | ———— | — | — | | |
| M10 | YFI | R751 (LEFT) | D-3 | WF-1 | MAIN P.C.B. (C) | |
| M11 | YERN | C735 (LEFT) | C-3 | WF-1 | MAIN P.C.B. (C) | |
| M12 | TEST3 | ———— | — | — | | |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC3001

| CSP IC | | Check Point | | WF NO. | Remarks | CSP IC | | Check Point | | WF NO. | Remarks |
|--------|-----------|--------------|-----|--------|-----------------|--------|--------------|--------------|-----|--------|-----------------|
| Pin | Name | | | | | Pin | Name | | | | |
| A1 | NC | _____ | ___ | ___ | | C17 | OSDVB | _____ | ___ | ___ | |
| A2 | NC | _____ | ___ | ___ | | C18 | YCIN [4] | _____ | ___ | ___ | |
| A3 | AVDDTR | _____ | ___ | ___ | | C19 | YCIN [1] | _____ | ___ | ___ | |
| A4 | DP | R3001(LEFT) | B-6 | WF-1 | MAIN P.C.B. (C) | C20 | CLK27X | _____ | ___ | ___ | |
| A5 | AVSSTR | _____ | ___ | ___ | | C21 | VDDI05 | _____ | ___ | ___ | |
| A6 | DM | R3002(RIGTH) | B-6 | WF-1 | MAIN P.C.B. (C) | C22 | VDDI05 | _____ | ___ | ___ | |
| A7 | VDDI02 | _____ | ___ | ___ | | D2 | INT3 | C3081(UPPER) | B-7 | WF-1 | MAIN P.C.B. (C) |
| A8 | OSCI | R423(RIGTH) | C-2 | WF-2 | MAIN P.C.B. (C) | D3 | INT4 | TP3037 | D-4 | WF-1 | MAIN P.C.B. (F) |
| A9 | VSSI02 | _____ | ___ | ___ | | D4 | VSSI01 | _____ | ___ | ___ | |
| A10 | USBCLK | _____ | ___ | ___ | | D5 | INT0 | R3131(UPPER) | B-3 | WF-1 | MAIN P.C.B. (F) |
| A11 | VSSI03 | _____ | ___ | ___ | | D6 | RPU_PAD | R3006(UPPER) | B-6 | WF-1 | MAIN P.C.B. (C) |
| A12 | XATARESET | R3126(UPPER) | B-6 | WF-1 | MAIN P.C.B. (C) | D7 | CARD_DET | R3145(LEFT) | B-8 | WF-1 | MAIN P.C.B. (C) |
| A13 | VDDI03 | _____ | ___ | ___ | | D8 | PROTECT | R3144(LOWER) | C-8 | WF-1 | MAIN P.C.B. (C) |
| A14 | VDDI04 | _____ | ___ | ___ | | D9 | SDCMD | R3174(UPPER) | C-8 | WF-1 | MAIN P.C.B. (C) |
| A15 | VDD | _____ | ___ | ___ | | D10 | XDEND1 | _____ | ___ | ___ | |
| A16 | OSCCLK | _____ | ___ | ___ | | D11 | VSSI04 | _____ | ___ | ___ | |
| A17 | YCIN [7] | _____ | ___ | ___ | | D12 | ATADD [15] | R3509(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) |
| A18 | YCIN [6] | _____ | ___ | ___ | | D13 | ATADD [13] | R3504(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) |
| A19 | VSS | _____ | ___ | ___ | | D14 | LINPWM | _____ | ___ | ___ | |
| A20 | VDDI04 | _____ | ___ | ___ | | D15 | SVD_ZA | _____ | ___ | ___ | |
| A21 | NC | _____ | ___ | ___ | | D16 | OSDHD | _____ | ___ | ___ | |
| A22 | NC | _____ | ___ | ___ | | D17 | OSDVG | _____ | ___ | ___ | |
| B1 | NC | _____ | ___ | ___ | | D18 | YCIN [3] | _____ | ___ | ___ | |
| B2 | NC | _____ | ___ | ___ | | D19 | YCIN [0] | _____ | ___ | ___ | |
| B3 | AVDDPLL | _____ | ___ | ___ | | D20 | CLK27A | C754(LOWER) | C-3 | WF-1 | MAIN P.C.B. (C) |
| B4 | RSDP | R3001(RIGTH) | B-6 | WF-1 | MAIN P.C.B. (C) | D21 | CLK27C | R3140(RIGTH) | B-5 | WF-24 | MAIN P.C.B. (C) |
| B5 | AVSSTR | _____ | ___ | ___ | | D22 | VDDI05 | _____ | ___ | ___ | |
| B6 | RSDM | R3002(LEFT) | B-6 | WF-1 | MAIN P.C.B. (C) | E1 | DRAMSDAT [0] | _____ | ___ | ___ | |
| B7 | VDDI02 | _____ | ___ | ___ | | E2 | DRAMSDAT [1] | _____ | ___ | ___ | |
| B8 | OSCO | _____ | ___ | ___ | | E3 | DRAMSDAT [2] | _____ | ___ | ___ | |
| B9 | VSSI02 | _____ | ___ | ___ | | E4 | DRAMSDAT [3] | _____ | ___ | ___ | |
| B10 | XDREQ0 | _____ | ___ | ___ | | E5 | VSSI05 | _____ | ___ | ___ | |
| B11 | XDEND0 | _____ | ___ | ___ | | E6 | SI0 | TP3011 | C-3 | WF-1 | MAIN P.C.B. (C) |
| B12 | VSSI03 | _____ | ___ | ___ | | E7 | SO0 | R3154(UPPER) | B-3 | WF-1 | MAIN P.C.B. (F) |
| B13 | VDDI03 | _____ | ___ | ___ | | E8 | SDDATA [2] | R3176(UPPER) | C-8 | WF-1 | MAIN P.C.B. (C) |
| B14 | VDDI04 | _____ | ___ | ___ | | E9 | SDDATA [0] | R3178(LOWER) | D-8 | WF-1 | MAIN P.C.B. (C) |
| B15 | LCDPOL | _____ | ___ | ___ | | E10 | XS0F | _____ | ___ | ___ | |
| B16 | LCDVBLK | _____ | ___ | ___ | | E11 | ATADA [2] | R3119(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (C) |
| B17 | LCDHD | _____ | ___ | ___ | | E12 | VSSI04 | _____ | ___ | ___ | |
| B18 | YCIN [5] | _____ | ___ | ___ | | E13 | ATADD [12] | R3514(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) |
| B19 | YCIN [2] | _____ | ___ | ___ | | E14 | ATAINTRQ | R3128(LEFT) | B-4 | WF-1 | MAIN P.C.B. (C) |
| B20 | VDDI04 | _____ | ___ | ___ | | E15 | ATATX | R3129(UPPER) | B-5 | WF-1 | MAIN P.C.B. (C) |
| B21 | NC | _____ | ___ | ___ | | E16 | OSDBLKB | _____ | ___ | ___ | |
| B22 | NC | _____ | ___ | ___ | | E17 | OSDVR | _____ | ___ | ___ | |
| C1 | VDD0 | _____ | ___ | ___ | | E18 | VSSI05 | _____ | ___ | ___ | |
| C2 | INT2 | R3189(LOWER) | B-7 | WF-1 | MAIN P.C.B. (C) | E19 | VSSI05 | _____ | ___ | ___ | |
| C3 | INT1 | _____ | ___ | ___ | | E20 | DOLRCK | TP3034 | B-3 | WF-22 | MAIN P.C.B. (C) |
| C4 | VSS0 | _____ | ___ | ___ | | E21 | VDD | _____ | ___ | ___ | |
| C5 | AVSSPLL | _____ | ___ | ___ | | E22 | CLK27B | _____ | ___ | ___ | |
| C6 | RES10K | R3005(UPPER) | B-6 | WF-1 | MAIN P.C.B. (C) | F1 | DRAMSDAT [4] | _____ | ___ | ___ | |
| C7 | T_AAP | _____ | ___ | ___ | | F2 | DRAMSDAT [5] | _____ | ___ | ___ | |
| C8 | VSSI0 | _____ | ___ | ___ | | F3 | DRAMSDAT [6] | _____ | ___ | ___ | |
| C9 | SDCLK | C3080(UPPER) | B-6 | WF-1 | MAIN P.C.B. (C) | F4 | DRAMSDAT [7] | _____ | ___ | ___ | |
| C10 | XDREQ1 | _____ | ___ | ___ | | F5 | DRAMSDAT [8] | _____ | ___ | ___ | |
| C11 | XATACS3 | R3121(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (C) | F6 | VSSI05 | _____ | ___ | ___ | |
| C12 | XATACS1 | R3120(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (C) | F7 | SCK0 | TP3038 | C-4 | WF-1 | MAIN P.C.B. (F) |
| C13 | XATASMACK | R3125(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (C) | F8 | SDDATA [3] | R3175(UPPER) | B-7 | WF-1 | MAIN P.C.B. (C) |
| C14 | VDDI04 | _____ | ___ | ___ | | F9 | SDDATA [1] | R3177(LEFT) | B-7 | WF-1 | MAIN P.C.B. (C) |
| C15 | CLK45M_ZB | _____ | ___ | ___ | | F10 | SBD [3] | _____ | ___ | ___ | |
| C16 | OSDVD | _____ | ___ | ___ | | F11 | ATADA [1] | R3118(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (C) |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC3001

| CSP IC | | Check Point | | WF NO. | Remarks | CSP IC | | Check Point | | WF NO. | Remarks |
|--------|---------------|--------------|-----|--------|-----------------|--------|---------------|--------------|-----|--------|-----------------|
| Pin | Name | | | | | Pin | Name | | | | |
| F12 | ATADD [14] | R3505(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) | J6 | DRAMSADR [10] | ———— | —— | —— | |
| F13 | ATADD [11] | R3520(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) | J7 | DRAMSADR [9] | ———— | —— | —— | |
| F14 | ATAIORDY | R3127(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (C) | J8 | DRAMSADR [8] | ———— | —— | —— | |
| F15 | ATADD [2] | R3506(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) | J9 | SBD [4] | ———— | —— | —— | |
| F16 | OSDBLKA | ———— | —— | —— | | J10 | SBD [0] | ———— | —— | —— | |
| F17 | VSSI04 | ———— | —— | —— | | J11 | XATAWR | R3123(LOWER) | B-4 | B-4 | MAIN P.C.B. (C) |
| F18 | DODAT | TP3033 | B-3 | WF-23 | MAIN P.C.B. (C) | J12 | ATADMARQ | R3124(RIGTH) | B-4 | B-4 | MAIN P.C.B. (C) |
| F19 | CLK135 | ———— | —— | —— | | J13 | ATADD [6] | R3522(RIGTH) | B-5 | B-5 | MAIN P.C.B. (F) |
| F20 | AIDAT1 | TP3032 | B-4 | WF-45 | MAIN P.C.B. (C) | J14 | ATADD [3] | R3532(RIGTH) | B-5 | B-5 | MAIN P.C.B. (F) |
| F21 | DOMCK | TP3036 | B-4 | WF-20 | MAIN P.C.B. (C) | J15 | ILATCH | ———— | —— | —— | |
| F22 | DOBCK | TP3035 | B-4 | WF-21 | MAIN P.C.B. (C) | J16 | LYC10 [7] | ———— | —— | —— | |
| G1 | VDDI01 | ———— | —— | —— | | J17 | LYC10 [5] | ———— | —— | —— | |
| G2 | VDDI05 | ———— | —— | —— | | J18 | ZBCOMP | ———— | —— | —— | |
| G3 | DRAMSDAT [9] | ———— | —— | —— | | J19 | ZACOMP | ———— | —— | —— | |
| G4 | DRAMSDAT [10] | ———— | —— | —— | | J20 | LCDIREF | ———— | —— | —— | |
| G5 | DRAMSDAT [11] | ———— | —— | —— | | J21 | LCDBOUT | ———— | —— | —— | |
| G6 | DRAMSDAT [12] | ———— | —— | —— | | J22 | LCDGOUT | ———— | —— | —— | |
| G7 | VSSI05 | ———— | —— | —— | | K1 | XDRAMSCS [0] | ———— | —— | —— | |
| G8 | SBD [7] | ———— | —— | —— | | K2 | DRAMSADR [7] | ———— | —— | —— | |
| G9 | SBD [6] | ———— | —— | —— | | K3 | DRAMSADR [6] | ———— | —— | —— | |
| G10 | SBD [2] | ———— | —— | —— | | K4 | DRAMSADR [5] | ———— | —— | —— | |
| G11 | ATADA [0] | R3117(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | K5 | DRAMSADR [4] | ———— | —— | —— | |
| G12 | ATADD [10] | R3529(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) | K6 | DRAMSADR [3] | ———— | —— | —— | |
| G13 | ATADD [8] | R3530(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) | K7 | DRAMSADR [2] | ———— | —— | —— | |
| G14 | ATADD [5] | R3512(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) | K8 | DRAMSADR [0] | ———— | —— | —— | |
| G15 | ATADD [1] | R3511(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) | K9 | XDACK0 | ———— | —— | —— | |
| G16 | VSSI04 | ———— | —— | —— | | K10 | NC | ———— | —— | —— | |
| G17 | LYC10 [3] | ———— | —— | —— | | K11 | NC | ———— | —— | —— | |
| G18 | LYC10 [1] | ———— | —— | —— | | K12 | TESTCK1 | ———— | —— | —— | |
| G19 | ZDCOMP | ———— | —— | —— | | K13 | NC | ———— | —— | —— | |
| G20 | AIDAT2 | ———— | —— | —— | | K14 | MODE [2] | ———— | —— | —— | |
| G21 | AVDD2A | ———— | —— | —— | | K15 | TESTSEL | ———— | —— | —— | |
| G22 | AVDD1A | ———— | —— | —— | | K16 | LYC10 [6] | ———— | —— | —— | |
| H1 | VDDI05 | ———— | —— | —— | | K17 | LYC10 [4] | ———— | —— | —— | |
| H2 | VDDI05 | ———— | —— | —— | | K18 | ZCCOMP | ———— | —— | —— | |
| H3 | DRAMSDAT [13] | ———— | —— | —— | | K19 | VSSI06 | ———— | —— | —— | |
| H4 | DRAMSDAT [14] | ———— | —— | —— | | K20 | AVSS5 | ———— | —— | —— | |
| H5 | DRAMSDAT [15] | ———— | —— | —— | | K21 | AVSS2A | ———— | —— | —— | |
| H6 | DRAMSDQM [0] | ———— | —— | —— | | K22 | AVSSIA | ———— | —— | —— | |
| H7 | DRAMSDQM [1] | ———— | —— | —— | | L1 | VDDI05 | ———— | —— | —— | |
| H8 | VSSI05 | ———— | —— | —— | | L2 | VDDI05 | ———— | —— | —— | |
| H9 | SBD [5] | ———— | —— | —— | | L3 | DRAMSBANK [1] | ———— | —— | —— | |
| H10 | SBD [1] | ———— | —— | —— | | L4 | VSSI05 | ———— | —— | —— | |
| H11 | XATARD | R3122(LEFT) | B-4 | WF-1 | MAIN P.C.B. (C) | L5 | DRAMSCLKIN | ———— | —— | —— | |
| H12 | ATADD [9] | R3521(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) | L6 | VSSI05 | ———— | —— | —— | |
| H13 | ATADD [7] | R3513(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) | L7 | DRAMSADR [1] | ———— | —— | —— | |
| H14 | ATADD [4] | R3524(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) | L8 | VSS | ———— | —— | —— | |
| H15 | ATADD [0] | R3526(RIGTH) | B-5 | WF-1 | MAIN P.C.B. (F) | L9 | XDACK1 | ———— | —— | —— | |
| H16 | IPPBOUT | ———— | —— | —— | | L10 | TESTCK3 | ———— | —— | —— | |
| H17 | LYC10 [2] | ———— | —— | —— | | L11 | NC | ———— | —— | —— | |
| H18 | LYC10 [0] | TP3030 | B-4 | WF-25 | MAIN P.C.B. (C) | L12 | NC | ———— | —— | —— | |
| H19 | SIG | ———— | —— | —— | | L13 | TESTCK4 | ———— | —— | —— | |
| H20 | LCDVREF | C3037(LOWER) | B-5 | WF-1 | MAIN P.C.B. (C) | L14 | MODE [1] | ———— | —— | —— | |
| H21 | LCDCOMP | ———— | —— | —— | | L15 | MODE [0] | ———— | —— | —— | |
| H22 | LCDROUT | ———— | —— | —— | | L16 | SCAMEN | ———— | —— | —— | |
| J1 | XDRAMSWE | ———— | —— | —— | | L17 | ADIN [6] | ———— | —— | —— | |
| J2 | XDRAMSCAS | ———— | —— | —— | | L18 | ADIN [2] | ———— | —— | —— | |
| J3 | XDRAMSRAS | ———— | —— | —— | | L19 | VSS | ———— | —— | —— | |
| J4 | DRAMSADR [2] | ———— | —— | —— | | L20 | AVDD5 | ———— | —— | —— | |
| J5 | DRAMSADR [1] | ———— | —— | —— | | L21 | AVDD28 | ———— | —— | —— | |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC3001

| CSP IC | | Check Point | | WF NO. | Remarks | CSP IC | | Check Point | | WF NO. | Remarks |
|--------|---------------|--------------|-----|--------|-----------------|--------|---------------|--------------|-----|--------|-----------------|
| Pin | Name | | | | | Pin | Name | | | | |
| L22 | AVDD18 | _____ | ___ | ___ | | P16 | ADIN [7] | _____ | ___ | ___ | |
| M1 | VDD | _____ | ___ | ___ | | P17 | ADIN [3] | _____ | ___ | ___ | |
| M2 | VDDI05 | _____ | ___ | ___ | | P18 | FCA | _____ | ___ | ___ | |
| M3 | DRAMSBANK [0] | _____ | ___ | ___ | | P19 | VSSI06 | _____ | ___ | ___ | |
| M4 | DRAMSKLKO | _____ | ___ | ___ | | P20 | VSSI06 | _____ | ___ | ___ | |
| M5 | VSSI05 | _____ | ___ | ___ | | P21 | AVSS28 | _____ | ___ | ___ | |
| M5 | DRAMSKCE [0] | _____ | ___ | ___ | | P22 | AVSS18 | _____ | ___ | ___ | |
| M6 | DRAMSDQM [2] | _____ | ___ | ___ | | R1 | VDDI05 | _____ | ___ | ___ | |
| M7 | VSS | _____ | ___ | ___ | | R2 | VDDI05 | _____ | ___ | ___ | |
| M9 | PB4 | R3199(RIGTH) | B-4 | WF-7 | MAIN P.C.B. (F) | R3 | TRACEPKT [6] | _____ | ___ | ___ | |
| M10 | NC | _____ | ___ | ___ | | R4 | TRACEPKT [3] | _____ | ___ | ___ | |
| M11 | NC | _____ | ___ | ___ | | R5 | TRACEPKT [0] | _____ | ___ | ___ | |
| M12 | NC | _____ | ___ | ___ | | R6 | PIPESTA [0] | _____ | ___ | ___ | |
| M13 | NC | _____ | ___ | ___ | | R7 | DRAMSDAT [31] | _____ | ___ | ___ | |
| M14 | CLKSEL [2] | _____ | ___ | ___ | | R8 | XSWE [1] | _____ | ___ | ___ | |
| M15 | CLKSEL [0] | _____ | ___ | ___ | | R9 | XSCS [2] | _____ | ___ | ___ | |
| M16 | ADIN [9] | _____ | ___ | ___ | | R10 | XSCS [6] | _____ | ___ | ___ | |
| M17 | ADIN [5] | _____ | ___ | ___ | | R11 | XSCS [7] | _____ | ___ | ___ | |
| M18 | ADIN [1] | _____ | ___ | ___ | | R12 | TMEMCLK | _____ | ___ | ___ | |
| M19 | ADC2 | C3307(UPPER) | C-8 | WF-1 | MAIN P.C.B. (F) | R13 | XARD | TP3015 | C-4 | WF-9 | MAIN P.C.B. (C) |
| M20 | ADCD | R9023(UPPER) | D-5 | WF-1 | MAIN P.C.B. (F) | R14 | TAMMPCLK | _____ | ___ | ___ | |
| M21 | YCIREF | R3049(UPPER) | B-5 | WF-1 | MAIN P.C.B. (C) | R15 | ADAT [4] | _____ | ___ | ___ | |
| M22 | YOUT | R3047(RIGTH) | C-5 | WF-17 | MAIN P.C.B. (C) | R16 | F2C | _____ | ___ | ___ | |
| N1 | DRAMSDAT [16] | _____ | ___ | ___ | | R17 | FCB | _____ | ___ | ___ | |
| N2 | DRAMSDAT [17] | _____ | ___ | ___ | | R18 | VDDI06 | _____ | ___ | ___ | |
| N3 | DRAMSDAT [18] | _____ | ___ | ___ | | R19 | VDDI06 | _____ | ___ | ___ | |
| N4 | DRAMSDAT [19] | _____ | ___ | ___ | | R20 | VDDI06 | _____ | ___ | ___ | |
| N5 | DRAMSDAT [20] | _____ | ___ | ___ | | R21 | VDD | _____ | ___ | ___ | |
| N6 | DRAMSDAT [21] | _____ | ___ | ___ | | R22 | FCK45 | R323(LOWER) | C-3 | WF-16 | MAIN P.C.B. (F) |
| N7 | DRAMSDAT [22] | _____ | ___ | ___ | | T1 | VDDI04 | _____ | ___ | ___ | |
| N8 | DRAMSDQM [3] | _____ | ___ | ___ | | T2 | VDDI04 | _____ | ___ | ___ | |
| N9 | PB3 | R3171(RIGTH) | D-9 | WF-1 | MAIN P.C.B. (C) | T3 | TRACEPKT [7] | _____ | ___ | ___ | |
| N10 | TESTCK2 | _____ | ___ | ___ | | T4 | TRACEPKT [4] | _____ | ___ | ___ | |
| N11 | NC | _____ | ___ | ___ | | T5 | TRACEPKT [1] | _____ | ___ | ___ | |
| N12 | NC | _____ | ___ | ___ | | T6 | PIPESTA [1] | _____ | ___ | ___ | |
| N13 | TESTCK0 | _____ | ___ | ___ | | T7 | SY | Q3004-B | D-7 | WF-1 | MAIN P.C.B. (C) |
| N14 | CLKSEL [1] | _____ | ___ | ___ | | T8 | XSWE [0] | TP3014 | B-4 | WF-1 | MAIN P.C.B. (C) |
| N15 | TMONOUT2 | _____ | ___ | ___ | | T9 | XSCS [1] | _____ | ___ | ___ | |
| N16 | ADIN [8] | _____ | ___ | ___ | | T10 | XSCS [5] | _____ | ___ | ___ | |
| N17 | ADIN [4] | _____ | ___ | ___ | | T11 | AADR [0] | TP3017 | C-4 | WF-10 | MAIN P.C.B. (C) |
| N18 | ADIN [0] | TP3039 | B-3 | WF-11 | MAIN P.C.B. (F) | T12 | VSS | _____ | ___ | ___ | |
| N19 | ADC3 | C3068(LOWER) | B-5 | WF-1 | MAIN P.C.B. (C) | T13 | XAWA | _____ | ___ | ___ | |
| N20 | ADC1 | R3168(UPPER) | C-5 | WF-1 | MAIN P.C.B. (C) | T14 | ADAT [0] | TP3018 | C-4 | WF-11 | MAIN P.C.B. (C) |
| N21 | YCCOMP | C3031(LOWER) | B-5 | WF-1 | MAIN P.C.B. (C) | T15 | ADAT [3] | _____ | ___ | ___ | |
| N22 | COUT | R3048(RIGTH) | C-5 | WF-18 | MAIN P.C.B. (C) | T16 | ADAT [7] | _____ | ___ | ___ | |
| P1 | DRAMSDAT [23] | _____ | ___ | ___ | | T17 | ADAT [9] | _____ | ___ | ___ | |
| P2 | DRAMSDAT [24] | _____ | ___ | ___ | | T18 | IRISCLOSE | _____ | ___ | ___ | |
| P3 | DRAMSDAT [25] | _____ | ___ | ___ | | T19 | ALCWM | _____ | ___ | ___ | |
| P4 | DRAMSDAT [26] | _____ | ___ | ___ | | T20 | TCPOUT1 | _____ | ___ | ___ | |
| P5 | DRAMSDAT [27] | _____ | ___ | ___ | | T21 | AVDD3 | _____ | ___ | ___ | |
| P6 | DRAMSDAT [28] | _____ | ___ | ___ | | T22 | AVDD4 | _____ | ___ | ___ | |
| P7 | DRAMSDAT [29] | _____ | ___ | ___ | | U1 | TRACECLK | _____ | ___ | ___ | |
| P8 | DRAMSDAT [30] | _____ | ___ | ___ | | U2 | TRACESYNC | _____ | ___ | ___ | |
| P9 | XSCS [3] | _____ | ___ | ___ | | U3 | TRACEPKT [5] | _____ | ___ | ___ | |
| P10 | PB2 | R3558(UPPER) | B-6 | WF-6 | MAIN P.C.B. (F) | U4 | TRACEPKT [2] | _____ | ___ | ___ | |
| P11 | PB1 | TP3029 | C-7 | WF-1 | MAIN P.C.B. (F) | U5 | PIPESTA [2] | _____ | ___ | ___ | |
| P12 | PB0 | R3013(UPPER) | C-4 | WF-5 | MAIN P.C.B. (C) | U6 | VSSI05 | _____ | ___ | ___ | |
| P13 | XNMI | R3044(LOWER) | D-5 | WF-1 | MAIN P.C.B. (C) | U7 | PWMO | R1414(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (C) |
| P14 | TMONOUT0 | _____ | ___ | ___ | | U8 | PWM1 | R3184(LOWER) | D-7 | WF-1 | MAIN P.C.B. (C) |
| P15 | TMONOUT1 | _____ | ___ | ___ | | U9 | XSCS [0] | R3037(LOWER) | D-7 | WF-8 | MAIN P.C.B. (C) |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC3001

| CSP IC | | Check Point | | WF NO. | Remarks | CSP IC | | Check Point | | WF NO. | Remarks |
|--------|------------|--------------|-----|--------|-----------------|--------|-----------|--------------|-----|--------|-----------------|
| Pin | Name | | | | | Pin | Name | | | | |
| U10 | XSCS [4] | _____ | ___ | ___ | | Y4 | ICR | TP92 | C-4 | WF-1 | MAIN P.C.B. (C) |
| U11 | VSSI07 | _____ | ___ | ___ | | Y5 | SI2 | R3030(RIGTH) | C-7 | WF-1 | MAIN P.C.B. (C) |
| U12 | AADR [3] | _____ | ___ | ___ | | Y6 | XCS | TP3008 | C-4 | WF-1 | MAIN P.C.B. (F) |
| U13 | AADR [7] | _____ | ___ | ___ | | Y7 | ADM [1] | TP3003 | C-3 | WF-1 | MAIN P.C.B. (F) |
| U14 | AADR [10] | _____ | ___ | ___ | | Y8 | ADM [5] | _____ | ___ | ___ | |
| U15 | ADAT [2] | _____ | ___ | ___ | | Y9 | ADM [9] | _____ | ___ | ___ | |
| U16 | ADAT [6] | _____ | ___ | ___ | | Y10 | ADM [13] | _____ | ___ | ___ | |
| U17 | ADAT [8] | _____ | ___ | ___ | | Y11 | AADR [2] | _____ | ___ | ___ | |
| U18 | OPEN_NDPWM | _____ | ___ | ___ | | Y12 | VSSI07 | _____ | ___ | ___ | |
| U19 | CAMHD | R420(UPPER) | C-2 | WF-1 | MAIN P.C.B. (F) | Y13 | AADR [13] | _____ | ___ | ___ | |
| U20 | CAMVD | R419(UPPER) | C-2 | WF-15 | MAIN P.C.B. (F) | Y14 | AADR [16] | _____ | ___ | ___ | |
| U21 | AVSS3 | _____ | ___ | ___ | | Y15 | AADR [20] | _____ | ___ | ___ | |
| U22 | AVSS4 | _____ | ___ | ___ | | Y16 | AADR [23] | _____ | ___ | ___ | |
| V1 | RTCK | _____ | ___ | ___ | | Y17 | ADAT [10] | _____ | ___ | ___ | |
| V2 | EXTRGO [0] | _____ | ___ | ___ | | Y18 | ADAT [13] | _____ | ___ | ___ | |
| V3 | EXTRGO [1] | _____ | ___ | ___ | | Y19 | SCK1 | R3017(LEFT) | D-5 | WF-12 | MAIN P.C.B. (C) |
| V4 | DBGEN | R3023(RIGTH) | C-7 | WF-1 | MAIN P.C.B. (C) | Y20 | INT5 | R3042(RIGTH) | D-5 | WF-1 | MAIN P.C.B. (C) |
| V5 | VSSI04 | _____ | ___ | ___ | | Y21 | AVSS0 | _____ | ___ | ___ | |
| V6 | CAMMIIRQ | TP3010 | C-3 | WF-1 | MAIN P.C.B. (F) | Y22 | AVDD0 | _____ | ___ | ___ | |
| V7 | ADM [3] | _____ | ___ | ___ | | AA1 | NC | _____ | ___ | ___ | |
| V8 | ADM [7] | _____ | ___ | ___ | | AA2 | NC | _____ | ___ | ___ | |
| V9 | ADM [11] | _____ | ___ | ___ | | AA3 | TCK | _____ | ___ | ___ | |
| V10 | ADM [15] | _____ | ___ | ___ | | AA4 | TD0 | R3022(LOWER) | D-7 | WF-1 | MAIN P.C.B. (C) |
| V11 | AADR [1] | _____ | ___ | ___ | | AA5 | SO2 | R3029(RIGTH) | D-7 | WF-1 | MAIN P.C.B. (C) |
| V12 | VSSI07 | _____ | ___ | ___ | | AA6 | XRE | TP3007 | C-4 | WF-4 | MAIN P.C.B. (F) |
| V13 | AADR [8] | _____ | ___ | ___ | | AA7 | ADM [0] | _____ | ___ | ___ | |
| V14 | AADR [11] | _____ | ___ | ___ | | AA8 | ADM [4] | _____ | ___ | ___ | |
| V15 | ADAT [1] | _____ | ___ | ___ | | AA9 | ADM [8] | _____ | ___ | ___ | |
| V16 | ADAT [5] | _____ | ___ | ___ | | AA10 | ADM [12] | _____ | ___ | ___ | |
| V17 | ADAT [12] | _____ | ___ | ___ | | AA11 | VDDI07 | _____ | ___ | ___ | |
| V18 | ADAT [15] | _____ | ___ | ___ | | AA12 | AADR [5] | _____ | ___ | ___ | |
| V19 | SI1 | R3015(LEFT) | D-5 | WF-13 | MAIN P.C.B. (C) | AA13 | AADR [14] | _____ | ___ | ___ | |
| V20 | INT7 | C3077(LOWER) | C-5 | WF-1 | MAIN P.C.B. (C) | AA14 | AADR [17] | _____ | ___ | ___ | |
| V21 | AVDD2 | _____ | ___ | ___ | | AA15 | AADR [21] | _____ | ___ | ___ | |
| V22 | AVDD1 | _____ | ___ | ___ | | AA16 | AADR [24] | _____ | ___ | ___ | |
| W1 | DBGGA | _____ | ___ | ___ | | AA17 | VDDI07 | _____ | ___ | ___ | |
| W2 | DBGR | _____ | ___ | ___ | | AA18 | VSS | _____ | ___ | ___ | |
| W3 | TMS | _____ | ___ | ___ | | AA19 | XSBG | R3046(LEFT) | D-6 | WF-1 | MAIN P.C.B. (C) |
| W4 | VSSI04 | _____ | ___ | ___ | | AA20 | XSDK | _____ | ___ | ___ | |
| W5 | SCK2 | Q3003-B | D-6 | WF-1 | MAIN P.C.B. (C) | AA21 | NC | _____ | ___ | ___ | |
| W6 | XWAIT | TP3009 | C-4 | WF-1 | MAIN P.C.B. (F) | AA22 | NC | _____ | ___ | ___ | |
| W7 | ADM [2] | _____ | ___ | ___ | | AB1 | NC | _____ | ___ | ___ | |
| W8 | ADM [6] | _____ | ___ | ___ | | AB2 | NC | _____ | ___ | ___ | |
| W9 | ADM [10] | _____ | ___ | ___ | | AB3 | TDI | _____ | ___ | ___ | |
| W10 | ADM [14] | _____ | ___ | ___ | | AB4 | VDDI08 | _____ | ___ | ___ | |
| W11 | VSSI08 | _____ | ___ | ___ | | AB5 | VDDI06 | _____ | ___ | ___ | |
| W12 | AADR [4] | _____ | ___ | ___ | | AB6 | XWEL | TP3006 | C-4 | WF-1 | MAIN P.C.B. (F) |
| W13 | AADR [9] | _____ | ___ | ___ | | AB7 | XWEH | TP3005 | C-4 | WF-3 | MAIN P.C.B. (F) |
| W14 | AADR [12] | _____ | ___ | ___ | | AB8 | VDD | _____ | ___ | ___ | |
| W15 | AADR [19] | _____ | ___ | ___ | | AB9 | XVALE | TP3004 | C-4 | WF-1 | MAIN P.C.B. (F) |
| W16 | AADR [22] | _____ | ___ | ___ | | AB10 | XRST | R3091(LEFT) | D-6 | WF-1 | MAIN P.C.B. (C) |
| W17 | ADAT [11] | _____ | ___ | ___ | | AB11 | VDDI07 | _____ | ___ | ___ | |
| W18 | ADAT [14] | _____ | ___ | ___ | | AB12 | AADR [6] | _____ | ___ | ___ | |
| W19 | SO1 | R3015(RIGTH) | D-5 | WF-13 | MAIN P.C.B. (C) | AB13 | AADR [15] | _____ | ___ | ___ | |
| W20 | INT6 | R3218(RIGTH) | D-5 | WF-1 | MAIN P.C.B. (C) | AB14 | AADR [18] | _____ | ___ | ___ | |
| W21 | AVSS2 | _____ | ___ | ___ | | AB15 | VDD | _____ | ___ | ___ | |
| W22 | AVSS1 | _____ | ___ | ___ | | AB16 | AADR [25] | _____ | ___ | ___ | |
| Y1 | VDDI04 | _____ | ___ | ___ | | AB17 | VDDI07 | _____ | ___ | ___ | |
| Y2 | XTRST | _____ | ___ | ___ | | AB18 | SYSCCLK | _____ | ___ | ___ | |
| Y3 | VSSI04 | _____ | ___ | ___ | | AB19 | XSBR | R3045(LEFT) | D-5 | WF-1 | MAIN P.C.B. (C) |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC3001

| CSP IC | | Check Point | WF NO. | | Remarks |
|--------|---------|-------------|--------|---|---------|
| Pin | Name | | — | — | |
| AB20 | XRSTOUT | _____ | — | — | |
| AB21 | NC | _____ | — | — | |
| AB22 | NC | _____ | — | — | |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC3202

| CSP IC | | Check Point | | WF NO. | Remarks | CSP IC | | Check Point | | WF NO. | Remarks |
|--------|--------|-------------|-----|--------|---------|--------|------|-------------|-----|--------|---------|
| Pin | Name | | | | | Pin | Name | | | | |
| 1 | VDD | ===== | --- | --- | | 61 | NC | ===== | --- | --- | |
| 2 | DQ0 | ===== | --- | --- | | 62 | VSS | ===== | --- | --- | |
| 3 | VDDQ | ===== | --- | --- | | 63 | DQM3 | ===== | --- | --- | |
| 4 | DQ1 | ===== | --- | --- | | 64 | A3 | ===== | --- | --- | |
| 5 | DQ2 | ===== | --- | --- | | 65 | A4 | ===== | --- | --- | |
| 6 | VSSQ | ===== | --- | --- | | 66 | A5 | ===== | --- | --- | |
| 7 | DQ3 | ===== | --- | --- | | 67 | A6 | ===== | --- | --- | |
| 8 | DQ4 | ===== | --- | --- | | 68 | A7 | ===== | --- | --- | |
| 9 | VDDQ | ===== | --- | --- | | 69 | A8 | ===== | --- | --- | |
| 10 | DQ5 | ===== | --- | --- | | 70 | A9 | ===== | --- | --- | |
| 11 | DQ6 | ===== | --- | --- | | 71 | CKE | ===== | --- | --- | |
| 12 | VSSQ | ===== | --- | --- | | 72 | CLK | ===== | --- | --- | |
| 13 | DQ7 | ===== | --- | --- | | 73 | A11 | ===== | --- | --- | |
| 14 | NC | ===== | --- | --- | | 74 | A12 | ===== | --- | --- | |
| 15 | VDD | ===== | --- | --- | | 75 | DQM1 | ===== | --- | --- | |
| 16 | DQM0 | ===== | --- | --- | | 76 | VSS | ===== | --- | --- | |
| 17 | /WE | ===== | --- | --- | | 77 | NC | ===== | --- | --- | |
| 18 | /CAS | ===== | --- | --- | | 78 | DQ8 | ===== | --- | --- | |
| 19 | /RAS | ===== | --- | --- | | 79 | VDDQ | ===== | --- | --- | |
| 20 | /CS | ===== | --- | --- | | 80 | DQ9 | ===== | --- | --- | |
| 21 | NC | ===== | --- | --- | | 81 | DQ10 | ===== | --- | --- | |
| 22 | BA0 | ===== | --- | --- | | 82 | VSSQ | ===== | --- | --- | |
| 23 | BA1 | ===== | --- | --- | | 83 | DQ11 | ===== | --- | --- | |
| 24 | A10/AP | ===== | --- | --- | | 84 | DQ12 | ===== | --- | --- | |
| 25 | A0 | ===== | --- | --- | | 85 | VDDQ | ===== | --- | --- | |
| 26 | A1 | ===== | --- | --- | | 86 | DQ13 | ===== | --- | --- | |
| 27 | A2 | ===== | --- | --- | | 87 | DQ14 | ===== | --- | --- | |
| 28 | DQM2 | ===== | --- | --- | | 88 | VSSQ | ===== | --- | --- | |
| 29 | VDD | ===== | --- | --- | | 89 | DQ15 | ===== | --- | --- | |
| 30 | NC | ===== | --- | --- | | 90 | VSS | ===== | --- | --- | |
| 31 | DQ16 | ===== | --- | --- | | | | | | | |
| 32 | VSSQ | ===== | --- | --- | | | | | | | |
| 33 | DQ17 | ===== | --- | --- | | | | | | | |
| 34 | DQ18 | ===== | --- | --- | | | | | | | |
| 35 | VDDQ | ===== | --- | --- | | | | | | | |
| 36 | DQ19 | ===== | --- | --- | | | | | | | |
| 37 | DQ20 | ===== | --- | --- | | | | | | | |
| 38 | VSSQ | ===== | --- | --- | | | | | | | |
| 39 | DQ21 | ===== | --- | --- | | | | | | | |
| 40 | DQ22 | ===== | --- | --- | | | | | | | |
| 41 | VDDQ | ===== | --- | --- | | | | | | | |
| 42 | DQ23 | ===== | --- | --- | | | | | | | |
| 43 | VDD | ===== | --- | --- | | | | | | | |
| 44 | VDDQ | ===== | --- | --- | | | | | | | |
| 45 | VSSQ | ===== | --- | --- | | | | | | | |
| 46 | VDDQ | ===== | --- | --- | | | | | | | |
| 47 | VSSQ | ===== | --- | --- | | | | | | | |
| 48 | VSS | ===== | --- | --- | | | | | | | |
| 49 | DQ24 | ===== | --- | --- | | | | | | | |
| 50 | VSSQ | ===== | --- | --- | | | | | | | |
| 51 | DQ25 | ===== | --- | --- | | | | | | | |
| 52 | DQ26 | ===== | --- | --- | | | | | | | |
| 53 | VDDQ | ===== | --- | --- | | | | | | | |
| 54 | DQ27 | ===== | --- | --- | | | | | | | |
| 55 | DQ28 | ===== | --- | --- | | | | | | | |
| 56 | VSSQ | ===== | --- | --- | | | | | | | |
| 57 | DQ29 | ===== | --- | --- | | | | | | | |
| 58 | DQ30 | ===== | --- | --- | | | | | | | |
| 59 | VDDQ | ===== | --- | --- | | | | | | | |
| 60 | DQ31 | ===== | --- | --- | | | | | | | |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC3203

| CSP IC | | Check Point | WF NO. | | Remarks |
|--------|----------|--------------|--------|--------|-----------------|
| Pin | Name | | | | |
| 1 | NC | _____ | --- | --- | |
| 2 | NC | _____ | --- | --- | |
| 3 | NC | _____ | --- | --- | |
| 4 | NC | _____ | --- | --- | |
| 5 | NC | _____ | --- | --- | |
| 6 | NC | _____ | --- | --- | |
| 7 | NC | _____ | --- | --- | |
| 8 | NC | _____ | --- | --- | |
| 9 | NC | _____ | --- | --- | |
| 10 | NC | _____ | --- | --- | |
| 11 | NC | _____ | --- | --- | |
| 12 | NC | _____ | --- | --- | |
| 13 | NC | _____ | --- | --- | |
| 14 | NC | _____ | --- | --- | |
| 15 | NC | _____ | --- | --- | |
| 16 | NC | _____ | --- | --- | |
| 17 | NC | _____ | --- | --- | |
| 18 | NC | _____ | --- | --- | |
| 19 | NC | _____ | --- | --- | |
| A1 | /WE | TP3014 | B-4 | WF-1 | MAIN P.C.B. (C) |
| A2 | /RP | R3223(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (C) |
| A3 | DQ14 | _____ | --- | --- | |
| A4 | VSS | _____ | --- | --- | |
| A5 | VSS | _____ | --- | --- | |
| A6 | DQ13 | _____ | --- | --- | |
| B1 | DQ12 | _____ | --- | --- | |
| B2 | DQ8 | _____ | --- | --- | |
| B3 | DQ1 | _____ | --- | --- | |
| B4 | /OE | TP3015 | C-4 | WF-149 | MAIN P.C.B. (C) |
| B5 | DQ9 | _____ | --- | --- | |
| B6 | VCC CORE | _____ | --- | --- | |
| C1 | DQ7 | _____ | --- | --- | |
| C2 | DQ4 | _____ | --- | --- | |
| C3 | DQ11 | _____ | --- | --- | |
| C4 | DQ10 | _____ | --- | --- | |
| C5 | DQ3 | _____ | --- | --- | |
| C6 | VCC IO | _____ | --- | --- | |
| D1 | DQ15 | _____ | --- | --- | |
| D2 | A12 | _____ | --- | --- | |
| D3 | DQ0 | TP3018 | C-4 | WF-153 | MAIN P.C.B. (C) |
| D4 | A15 | _____ | --- | --- | |
| D5 | DQ5 | _____ | --- | --- | |
| D6 | DQ6 | _____ | --- | --- | |
| E1 | CLK | _____ | --- | --- | |
| E2 | /CE | C3213(RIGTH) | D-5 | WF-231 | MAIN P.C.B. (C) |
| E3 | DQ2 | _____ | --- | --- | |
| E4 | NC | _____ | --- | --- | |
| E5 | NC | _____ | --- | --- | |
| E6 | A9 | _____ | --- | --- | |
| F1 | A14 | _____ | --- | --- | |
| F2 | A13 | _____ | --- | --- | |
| F3 | /AVD | _____ | --- | --- | |
| F4 | A7 | _____ | --- | --- | |
| F5 | A11 | _____ | --- | --- | |
| F6 | A8 | _____ | --- | --- | |
| G1 | INT | R3218(RIGTH) | D-5 | WF-2 | MAIN P.C.B. (C) |
| G2 | A0 | TP3017 | C-4 | WF-235 | MAIN P.C.B. (C) |
| G3 | A1 | _____ | --- | --- | |
| G4 | NC | _____ | --- | --- | |
| G5 | A10 | _____ | --- | --- | |

| CSP IC | | Check Point | WF NO. | | Remarks |
|--------|------|-------------|--------|-----|---------|
| Pin | Name | | | | |
| G6 | A6 | _____ | --- | --- | |
| H1 | RDY | _____ | --- | --- | |
| H2 | A4 | _____ | --- | --- | |
| H3 | A5 | _____ | --- | --- | |
| H4 | A2 | _____ | --- | --- | |
| H5 | A3 | _____ | --- | --- | |
| H6 | NC | _____ | --- | --- | |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC3502

| CSP IC | | Check Point | | WF NO. | Remarks | CSP IC | | Check Point | | WF NO. | Remarks |
|--------|-----------|--------------|-----|--------|-----------------|--------|-----------|--------------|-----|--------|-----------------|
| Pin | Name | | | | | Pin | Name | | | | |
| A1 | TSTEN | _____ | ___ | ___ | | G7 | PORT13 | _____ | ___ | ___ | |
| A2 | ATPGEN | _____ | ___ | ___ | | G8 | PORT15 | _____ | ___ | ___ | |
| A3 | X0 | C3514(LOWER) | C-5 | WF-178 | MAIN P.C.B. (F) | G9 | PORT16 | _____ | ___ | ___ | |
| A4 | X1 | C3513(UPPER) | C-5 | WF-178 | MAIN P.C.B. (F) | H1 | DBGDCLK | _____ | ___ | ___ | |
| A5 | HDD3_T | R3532(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | H2 | DBGDT | R3537(LOWER) | B-4 | WF-1 | MAIN P.C.B. (F) |
| A6 | IOVDD | _____ | ___ | ___ | | H3 | DBGST | _____ | ___ | ___ | |
| A7 | HDD8_T | R3530(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | H4 | SIN0 | _____ | ___ | ___ | |
| A8 | HDD10_T | R3529(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | H5 | HDMARQ_T | R3538(UPPER) | B-4 | WF-1 | MAIN P.C.B. (F) |
| A9 | NC | _____ | ___ | ___ | | H6 | HIORDY_T | R3539(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (F) |
| B1 | LVDD | _____ | ___ | ___ | | H7 | PORT12 | _____ | ___ | ___ | |
| B2 | VSS | _____ | ___ | ___ | | H8 | PORT14 | Q3006-B | B-4 | WF-7 | MAIN P.C.B. (F) |
| B3 | LVDD | _____ | ___ | ___ | | H9 | IOVDD | _____ | ___ | ___ | |
| B4 | HDD0_T | R3526(LEFT) | C-5 | WF-1 | MAIN P.C.B. (F) | J1 | NC | _____ | ___ | ___ | |
| B5 | HDD4_T | R3524(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | J2 | HVDD | _____ | ___ | ___ | |
| B6 | HDD6_T | R3522(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | J3 | SOUT0 | R3544(LOWER) | B-4 | WF-1 | MAIN P.C.B. (F) |
| B7 | HDD9_T | R3521(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | J4 | SCLK0 | _____ | ___ | ___ | |
| B8 | HDD11_T | R3520(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | J5 | XHDMACK_T | R3541(UPPER) | B-4 | WF-1 | MAIN P.C.B. (F) |
| B9 | LVDD | _____ | ___ | ___ | | J6 | XHIOR_T | R3540(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (F) |
| C1 | R1 | R3518(LOWER) | C-5 | WF-1 | MAIN P.C.B. (F) | J7 | VSS | _____ | ___ | ___ | |
| C2 | VSS | _____ | ___ | ___ | | J8 | LVDD | _____ | ___ | ___ | |
| C3 | CLKSEL | R3515(LEFT) | C-5 | WF-1 | MAIN P.C.B. (F) | J9 | NC | _____ | ___ | ___ | |
| C4 | HDD1_T | R3511(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| C5 | HDD5_T | R3512(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| C6 | HDD7_T | R3513(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| C7 | HDD12_T | R3514(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| C8 | HDD13_T | R3504(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| C9 | HDD14_T | R3505(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| D1 | HVDD | _____ | ___ | ___ | | | | | | | |
| D2 | BURNIN | _____ | ___ | ___ | | | | | | | |
| D3 | VSS | _____ | ___ | ___ | | | | | | | |
| D4 | HDD2_T | R3506(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| D5 | HDA0_T | R3507(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| D6 | HDA1_T | R3508(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| D7 | HDD15_T | R3509(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| D8 | HDA2_T | R3510(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| D9 | VSS | _____ | ___ | ___ | | | | | | | |
| E1 | DM | L3503(RIGTH) | C-4 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| E2 | VSS | _____ | ___ | ___ | | | | | | | |
| E3 | VSS | _____ | ___ | ___ | | | | | | | |
| E4 | PORT00 | R3501(LEFT) | C-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| E5 | PORT01 | R3502(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| E6 | XHCS1_T | R3503(UPPER) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| E7 | XHCS0_T | R3516(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| E8 | XHDASP_T | R3517(UPPER) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| E9 | XHRESET_T | R3519(UPPER) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| F1 | DP | L3504(RIGTH) | C-4 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| F2 | HVDD | _____ | ___ | ___ | | | | | | | |
| F3 | VBUSFLG | _____ | ___ | ___ | | | | | | | |
| F4 | PORT02 | R3523(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| F5 | HINTRO_T | R3525(LEFT) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| F6 | PORT11 | Q3009-B | B-3 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| F7 | XHPDIAG_T | R3527(UPPER) | B-4 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| F8 | PORT17 | _____ | ___ | ___ | | | | | | | |
| F9 | CSEL_T | R3528(UPPER) | B-5 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| G1 | LVDD | _____ | ___ | ___ | | | | | | | |
| G2 | VSS | _____ | ___ | ___ | | | | | | | |
| G3 | VBUSEN | _____ | ___ | ___ | | | | | | | |
| G4 | XRESET | R3570(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| G5 | XHIOW_T | R3533(RIGTH) | B-4 | WF-1 | MAIN P.C.B. (F) | | | | | | |
| G6 | PORT10 | _____ | ___ | ___ | | | | | | | |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC6001

| CSP IC | | Check Point | | WF NO. | Remarks | CSP IC | | Check Point | | WF NO. | Remarks |
|--------|----------------|--------------|-----|--------|-----------------|--------|-------------------|--------------|-----|--------|-----------------|
| Pin | Name | | | | | Pin | Name | | | | |
| A1 | GND | _____ | ___ | ___ | | D19 | PG4/TXD3 | _____ | ___ | ___ | |
| A2 | GND | _____ | ___ | ___ | | D20 | EEPROM_PROTECT | IC6004-3 | B-7 | WF-1 | SUB P.C.B. (F) |
| A3 | RESET | C6013(LEFT) | C-7 | WF-1 | SUB P.C.B. (F) | E1 | CGAFE_DO | TP308 | C-2 | WF-73 | MAIN P.C.B. (F) |
| A4 | PCST1 | _____ | ___ | ___ | | E2 | CG_CS | TP306 | C-2 | WF-149 | MAIN P.C.B. (F) |
| A5 | PCST3 | _____ | ___ | ___ | | E4 | XRST | Q3010-B | D-6 | WF-1 | MAIN P.C.B. (C) |
| A6 | DCLK | _____ | ___ | ___ | | E5 | DVSS | _____ | ___ | ___ | |
| A7 | TDO | R6071(RIGHT) | C-3 | WF-1 | SUB P.C.B. (C) | E6 | TRST | R6071(RIGHT) | C-3 | WF-1 | SUB P.C.B. (C) |
| A8 | PP6/TPC6/TPD6 | _____ | ___ | ___ | | E7 | TMS | R6072(RIGHT) | C-3 | WF-1 | SUB P.C.B. (C) |
| A9 | PP4/TPC4/TPD4 | _____ | ___ | ___ | | E8 | HDD_UNLOAD | _____ | ___ | ___ | |
| A10 | PP2/TPC2/TPD2 | _____ | ___ | ___ | | E9 | PO5/TPD5 | _____ | ___ | ___ | |
| A11 | PP0/TPC0/TPD0 | _____ | ___ | ___ | | E10 | HDD_POWER_CONTROL | _____ | ___ | ___ | |
| A12 | PJ4/TC1IN | _____ | ___ | ___ | | E11 | LENS_DRV_RST | R6052(UPPER) | C-7 | WF-1 | SUB P.C.B. (F) |
| A13 | PJ2/SCLK8/CTS8 | _____ | ___ | ___ | | E12 | PJ7/SCK1 | _____ | ___ | ___ | |
| A14 | PJ0/TXD8 | _____ | ___ | ___ | | E13 | PM7/TCOUTA1 | _____ | ___ | ___ | |
| A15 | RTC_SCK | TP6205 | C-7 | WF-166 | SUB P.C.B. (F) | E14 | PM5/INT5 | _____ | ___ | ___ | |
| A16 | RTC_DO | R6038(LOWER) | C-7 | WF-73 | SUB P.C.B. (F) | E15 | INT_FRP | R3179(RIGHT) | D-6 | WF-1 | MAIN P.C.B. (C) |
| A17 | AFE_CS | _____ | ___ | ___ | | E16 | CAM_IRQ | TP3010 | C-4 | WF-153 | MAIN P.C.B. (F) |
| A18 | UART_DO | R6038(UPPER) | B-3 | WF-1 | SUB P.C.B. (C) | E17 | EEPROM_SCK | IC6004-6 | B-7 | ___ | SUB P.C.B. (F) |
| A19 | GND | _____ | ___ | ___ | | E19 | EEPROM_DI | IC6004-2 | B-7 | ___ | SUB P.C.B. (F) |
| A20 | GND | _____ | ___ | ___ | | E20 | EEPROM_DO | IC6004-5 | B-7 | WF-1 | SUB P.C.B. (F) |
| B1 | GND | _____ | ___ | ___ | | F1 | CGAFE_SCK | TP307 | D-2 | WF-166 | MAIN P.C.B. (F) |
| B2 | GND | _____ | ___ | ___ | | F2 | RESIZE_CS | R415(LOWER) | B-2 | WF-153 | MAIN P.C.B. (F) |
| B3 | PCST0 | _____ | ___ | ___ | | F4 | MEMORY_RST | _____ | ___ | ___ | |
| B4 | PCST2 | _____ | ___ | ___ | | F5 | ARM_UPDATE | R3168(LOWER) | C-5 | WF-1 | MAIN P.C.B. (C) |
| B5 | PCST4 | _____ | ___ | ___ | | F16 | ANA7/IR_OUT | _____ | ___ | ___ | |
| B6 | TOVR | _____ | ___ | ___ | | F17 | ANA6(AGS2) | _____ | ___ | ___ | |
| B7 | TDI | R6071(RIGHT) | C-3 | WF-1 | SUB P.C.B. (C) | F19 | ANA5(AGS1) | _____ | ___ | ___ | |
| B8 | PP7/TPC7/TPD7 | _____ | ___ | ___ | | F20 | ANA4/MREF | R6058(UPPER) | B-7 | WF-1 | SUB P.C.B. (F) |
| B9 | PP5/TPC5/TPD5 | _____ | ___ | ___ | | G1 | P00/DO/ADO | TP3003 | C-3 | WF-11 | MAIN P.C.B. (F) |
| B10 | PP3/TPC3/TPD3 | _____ | ___ | ___ | | G2 | P01/D1/AD1 | _____ | ___ | ___ | |
| B11 | PP1/TPC1/TPD1 | _____ | ___ | ___ | | G4 | BATT_DO | R6064(LOWER) | C-4 | WF-1 | SUB P.C.B. (C) |
| B12 | PJ5/SO1/SDA1 | _____ | ___ | ___ | | G5 | BATT_DI | R6064(LOWER) | C-4 | WF-1 | SUB P.C.B. (C) |
| B13 | PJ3/TCOIN | _____ | ___ | ___ | | G7 | DVSSC | _____ | ___ | ___ | |
| B14 | PJ1/RXD8 | _____ | ___ | ___ | | G8 | EJE | R6072(RIGHT) | C-3 | WF-1 | SUB P.C.B. (C) |
| B15 | EEPROM_CS | IC6004-1 | B-7 | WF-73 | SUB P.C.B. (F) | G9 | DVCC33 | _____ | ___ | ___ | |
| B16 | RTC_DI | R6017(UPPER) | C-7 | WF-73 | SUB P.C.B. (C) | G10 | DVCC34 | _____ | ___ | ___ | |
| B17 | RTC_CS | TP6204 | C-3 | WF-166 | SUB P.C.B. (C) | G11 | DVCC34 | _____ | ___ | ___ | |
| B18 | UART_DI | R6039(UPPER) | B-3 | WF-1 | SUB P.C.B. (C) | G12 | DVCC34 | _____ | ___ | ___ | |
| B19 | GND | _____ | ___ | ___ | | G13 | DVCC32 | _____ | ___ | ___ | |
| B20 | GND | _____ | ___ | ___ | | G14 | AVSS0A | _____ | ___ | ___ | |
| C1 | PL0/TC4IN | _____ | ___ | ___ | | G16 | ANA15 | _____ | ___ | ___ | |
| C2 | CTL4_ON_H | R6047(LEFT) | D-7 | WF-1 | SUB P.C.B. (F) | G17 | ANA14/REG3V_DET | R6042(LOWER) | B-3 | WF-1 | SUB P.C.B. (C) |
| C19 | POWER_OFF_REQ | _____ | ___ | ___ | | G19 | ANA3 | _____ | ___ | ___ | |
| C20 | PG6/SCLK3/CTS3 | _____ | ___ | ___ | | G20 | ANA2 | _____ | ___ | ___ | |
| D1 | CCD_ON_H | TP93 | B-1 | WF-1 | SUB P.C.B. (F) | H1 | P02/D2/AD2 | _____ | ___ | ___ | |
| D2 | CAM_D3OFF_H | _____ | ___ | ___ | | H2 | P03/D3/AD3 | _____ | ___ | ___ | |
| D4 | DVSS | _____ | ___ | ___ | | H4 | PK2/KEY2 | _____ | ___ | ___ | |
| D5 | NARMTRST | _____ | ___ | ___ | | H5 | PK3/KEY3 | _____ | ___ | ___ | |
| D6 | TCK | R6072(RIGHT) | C-3 | WF-166 | SUB P.C.B. (C) | H7 | PK4/KEY4 | _____ | ___ | ___ | |
| D7 | DINT | R6072(RIGHT) | C-3 | WF-1 | SUB P.C.B. (C) | H8 | DVSSD | _____ | ___ | ___ | |
| D8 | PO6/TPD6 | _____ | ___ | ___ | | H9 | FVCC30 | _____ | ___ | ___ | |
| D9 | PO4/TPD4 | _____ | ___ | ___ | | H10 | FVCC31 | _____ | ___ | ___ | |
| D10 | PO2/TPD2 | _____ | ___ | ___ | | H11 | FVCC15 | _____ | ___ | ___ | |
| D11 | CG_RST | R6045(UPPER) | C-7 | WF-1 | MAIN P.C.B. (F) | H12 | DVCC15 | _____ | ___ | ___ | |
| D12 | PJ6/SI1/SCL1 | _____ | ___ | ___ | | H13 | AVSS1A | _____ | ___ | ___ | |
| D13 | PM6/TCOUTAO | _____ | ___ | ___ | | H14 | ANA13/BATT_REF | C6021(UPPER) | C-3 | WF-1 | SUB P.C.B. (C) |
| D14 | HDD_OG_DETECT | R6061(UPPER) | C-7 | WF-1 | MAIN P.C.B. (F) | H16 | ANA12/BATT_V | C6019(LOWER) | C-3 | WF-1 | SUB P.C.B. (C) |
| D15 | ARE_REQ | R3131(UPPER) | B-3 | WF-37 | MAIN P.C.B. (F) | H17 | ANA11/BATT_T | C6018(LOWER) | B-3 | WF-1 | SUB P.C.B. (C) |
| D16 | CAM_VD | R419(UPPER) | C-2 | WF-1 | MAIN P.C.B. (F) | H19 | ANA1/ADP_V | D6002-A | B-3 | WF-1 | SUB P.C.B. (C) |
| D17 | PG5/RXD3 | _____ | ___ | ___ | | H20 | ANA0/CHG_1 | D6001-A | C-3 | WF-1 | |

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC6001

| CSP IC | | Check Point | WF NO. | Remarks | CSP IC | | Check Point | WF NO. | Remarks | | |
|--------|-----------------------|--------------|--------|---------|-----------------|--------------------|-----------------|--------------|---------------------|-----------------|----------------|
| Pin | Name | | | | Pin | Name | | | | | |
| J1 | P04/D4/AD4 | ———— | — | — | N14 | CVCC15 | ———— | — | — | | |
| J2 | P05/D5/AD5 | ———— | — | — | N16 | HANSEIHIN_DET2 | R6029(UPPER) | B-13 | WF-1 SUB P.C.B. (C) | | |
| J4 | ZENC | R6057(LOWER) | D-6 | WF-1 | SUB P.C.B. (F) | N17 | HANSEIHIN_DET1 | R6028(LOWER) | B-13 | WF-1 | SUB P.C.B. (C) |
| J5 | FENC | R6059(LOWER) | D-6 | WF-1 | SUB P.C.B. (F) | N19 | PB7/TBOBIN1 | ———— | — | — | |
| J7 | TEST_PORT01 | ———— | — | — | N20 | PB6/TBOBIN0 | ———— | — | — | | |
| J8 | DVCC30 | ———— | — | — | P1 | P16/D14/AD14/A14 | ———— | — | — | | |
| J9 | DVSS | ———— | — | — | P2 | P17/D15/AD15/A15 | ———— | — | — | | |
| J13 | AVCC30 | ———— | — | — | P4 | *HWR/WEH | TP3005 | C-4 | WF-149 | MAIN P.C.B. (F) | |
| J14 | ANA10/BATT_D | ———— | — | — | P5 | *WAIT/XWAIT | TP3010 | C-4 | WF-1 | MAIN P.C.B. (F) | |
| J16 | ANA8/SENS_TEMP_LENZ | C6017(UPPER) | D-4 | WF-1 | SUB P.C.B. (C) | P7 | TEST2 | ———— | — | — | |
| J17 | ANA8/FNO | C6020(UPPER) | B-7 | WF-1 | SUB P.C.B. (F) | P8 | TEST3 | ———— | — | — | |
| J19 | (HDD_DEW) | ———— | — | — | P9 | ENDIAN | ———— | — | — | | |
| J20 | HDD_TEMP | ———— | — | — | P10 | *NMI | ———— | — | — | | |
| K1 | P06/D6/AD6 | ———— | — | — | P11 | DVCC31 | ———— | — | — | | |
| K2 | P07/D7/AD7 | ———— | — | — | P12 | DVCC31 | ———— | — | — | | |
| K4 | LENS_LED | R6054(LEFT) | D-6 | WF-1 | SUB P.C.B. (F) | P13 | CVSS | ———— | — | — | |
| K5 | AFST | ———— | — | — | P14 | DVSS | ———— | — | — | | |
| K7 | TEST_PORT02 | ———— | — | — | P16 | PC5/TBOEIN1 | ———— | — | — | | |
| K8 | DVCC30 | ———— | — | — | P17 | TEST_MODE2 | R6032(LOWER) | C-4 | WF-1 | SUB P.C.B. (C) | |
| K13 | AVREFH0 | ———— | — | — | P19 | PB5/TBOAIN1 | ———— | — | — | | |
| K14 | PA7/ANB15 | ———— | — | — | P20 | DISK_ACCESS_LED | ———— | — | — | | |
| K16 | PA6/ANB14 | ———— | — | — | R1 | *CSO/UP_CS | TP3008 | C-4 | WF-153 | MAIN P.C.B. (F) | |
| K17 | PA5/ANB13 | ———— | — | — | R2 | ELVIS_CS | TP506 | C-3 | WF-149 | MAIN P.C.B. (F) | |
| K19 | ZOOM_SW | C6007(UPPER) | B-7 | WF-1 | SUB P.C.B. (F) | R4 | P34/BUSRQ | ———— | — | — | |
| K20 | ADKEY5 | C6005(UPPER) | B-7 | WF-1 | SUB P.C.B. (F) | R5 | P35/BUSAK | ———— | — | — | |
| L1 | P10/D8/AD8/A8 | ———— | — | — | R16 | TEST_MODE (NO-DRV) | R6031(LOWER) | C-4 | WF-1 | SUB P.C.B. (C) | |
| L2 | P11/D9/AD9/A9 | ———— | — | — | R17 | LANG_SHIMUKE | R6021(UPPER) | B-4 | WF-1 | SUB P.C.B. (C) | |
| L4 | P54/A4 | ———— | — | — | R19 | PB3/TBPIN1 | ———— | — | — | | |
| L5 | SENS_SW | R724(LOWER) | D-4 | WF-1 | MAIN P.C.B. (C) | R20 | CARD_ACCESS_LED | Q6001-B | B-6 | WF-1 | SUB P.C.B. (F) |
| L7 | TEST_PORT03(BATT_REM) | ———— | — | — | T1 | P42/CS2 | ———— | — | — | | |
| L8 | DVCC30 | ———— | — | — | T2 | P43*CS3 | ———— | — | — | | |
| L13 | AVREFH1 | ———— | — | — | T4 | P36/R/W | ———— | — | — | | |
| L14 | HDD_G_TEMP | ———— | — | — | T5 | AV_PLUG | R6073(RIGHT) | C-4 | WF-1 | SUB P.C.B. (C) | |
| L16 | HDD_VREF | ———— | — | — | T6 | LCD_RVS_SW | R6043(RIGHT) | C-4 | WF-1 | SUB P.C.B. (C) | |
| L17 | HDD_G_Z | ———— | — | — | T7 | P65/A13 | ———— | — | — | | |
| L19 | ADKEY4 | C6004(UPPER) | B-6 | WF-1 | SUB P.C.B. (F) | T8 | PN1/INT7 | ———— | — | — | |
| L20 | ADKEY3 | C6003(UPPER) | B-6 | WF-1 | SUB P.C.B. (F) | T9 | 1CELL_H | R6064(LOWER) | C-4 | WF-1 | SUB P.C.B. (C) |
| M1 | P12/D10/AD10/A10 | ———— | — | — | T10 | PN5/RXDA | ———— | — | — | | |
| M2 | P13/D11/AD11/A11 | ———— | — | — | T11 | HDD_H | ———— | — | — | | |
| M4 | SENS_SW2 | R769(LEFT) | D-4 | WF-1 | MAIN P.C.B. (C) | T12 | PH1/TXD4 | ———— | — | — | |
| M5 | P57/A7 | ———— | — | — | T13 | LENS_DRB_CS | TP702 | D-6 | WF-1 | MAIN P.C.B. (F) | |
| M7 | BW0 | ———— | — | — | T14 | LENS_DRV_DI | TP703 | D-6 | WF-73 | MAIN P.C.B. (F) | |
| M8 | DVCC15 | ———— | — | — | T15 | LEMS_DRV_EVR_LD | TP705 | D-6 | WF-1 | MAIN P.C.B. (F) | |
| M13 | AVCC31 | ———— | — | — | T16 | DVSSG | ———— | — | — | | |
| M14 | DVCC15 | ———— | — | — | T17 | NTSC/PAL | R6023(UPPER) | B-4 | WF-1 | SUB P.C.B. (C) | |
| M16 | HDD_G_Y | ———— | — | — | T19 | POWER_LED | Q6002-B | B-6 | WF-1 | SUB P.C.B. (F) | |
| M17 | HDD_G_X | ———— | — | — | T20 | DISK_ACCESS_INFO | ———— | — | — | | |
| M19 | ADKEY2 | C6002(LEFT) | C-6 | WF-1 | SUB P.C.B. (C) | U1 | P44*CS4 | ———— | — | — | |
| M20 | ADKEY1 | C6001(LEFT) | C-6 | WF-1 | SUB P.C.B. (C) | U2 | P45*CS5 | ———— | — | — | |
| N1 | P14/D12/AD12/A12 | ———— | — | — | U4 | ALE | TP3004 | C-4 | WF-1 | MAIN P.C.B. (F) | |
| N2 | P15/D13/AD13/A13 | ———— | — | — | U5 | P60/A8 | ———— | — | — | | |
| N4 | *RD/RE | TP3007 | C-4 | WF-227 | MAIN P.C.B. (F) | U6 | P62/A10 | ———— | — | — | |
| N5 | *WR/WEL | TP3006 | C-4 | WF-149 | MAIN P.C.B. (F) | U7 | P64/A12 | ———— | — | — | |
| N7 | BW1 | ———— | — | — | U8 | PN0/INT6 | ———— | — | — | | |
| N8 | TEST1 | ———— | — | — | U9 | PN2/INT8 | ———— | — | — | | |
| N9 | BUSMD | ———— | — | — | U10 | PN4/TXDA | ———— | — | — | | |
| N10 | FVCC15 | ———— | — | — | U11 | PN6/SCLK/CTSA | ———— | — | — | | |
| N11 | DVCC15 | ———— | — | — | U12 | PH0/TXD4 | ———— | — | — | | |
| N12 | PLLSEL | ———— | — | — | U13 | PH2/SCLK4/CTS4 | ———— | — | — | | |
| N13 | DVSSSF | ———— | — | — | U14 | LENS_DRV_DO | TP704 | D-6 | WF-73 | MAIN P.C.B. (F) | |

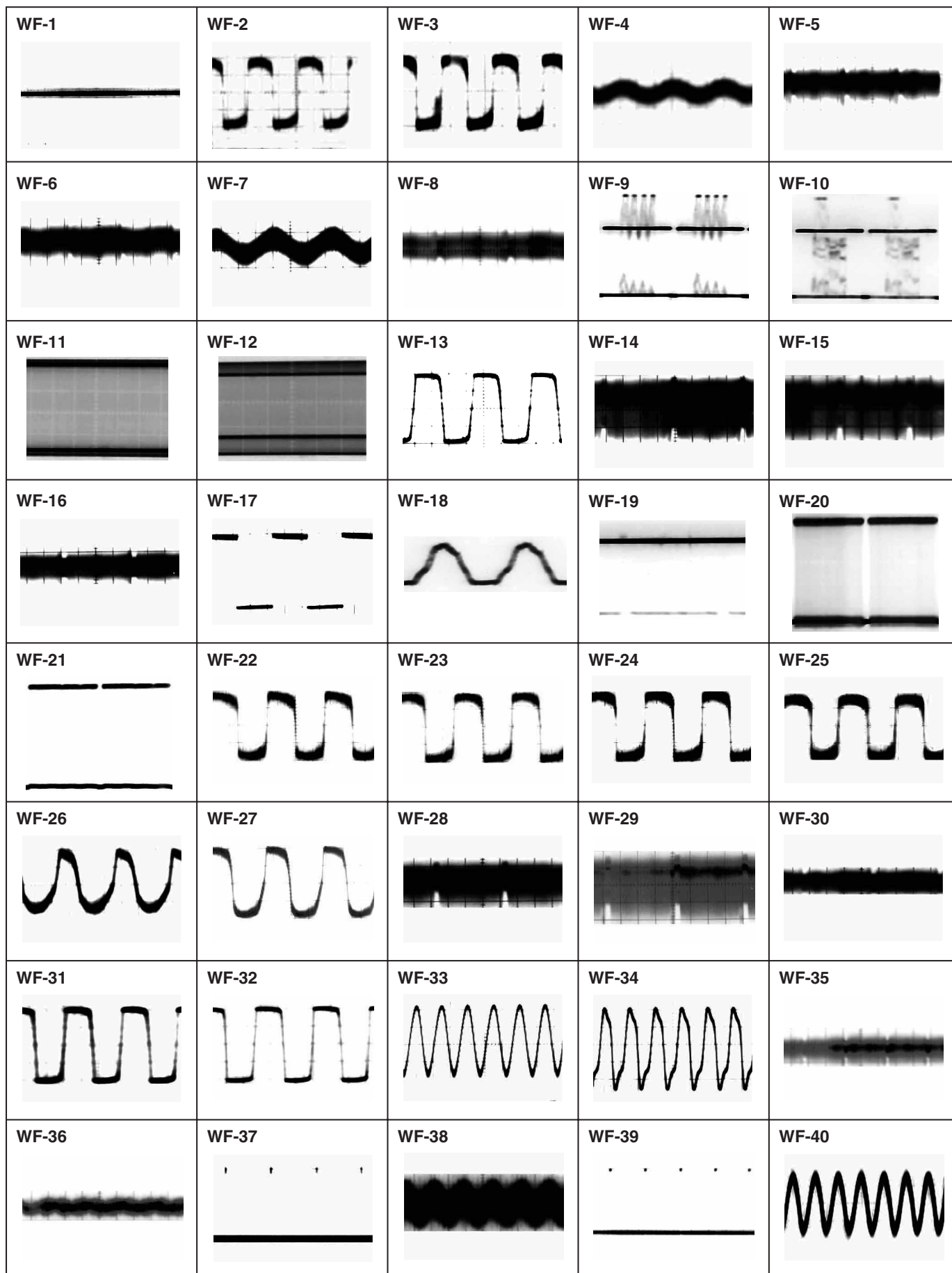
(C): COMPONENT SIDE (F): FOIL SIDE

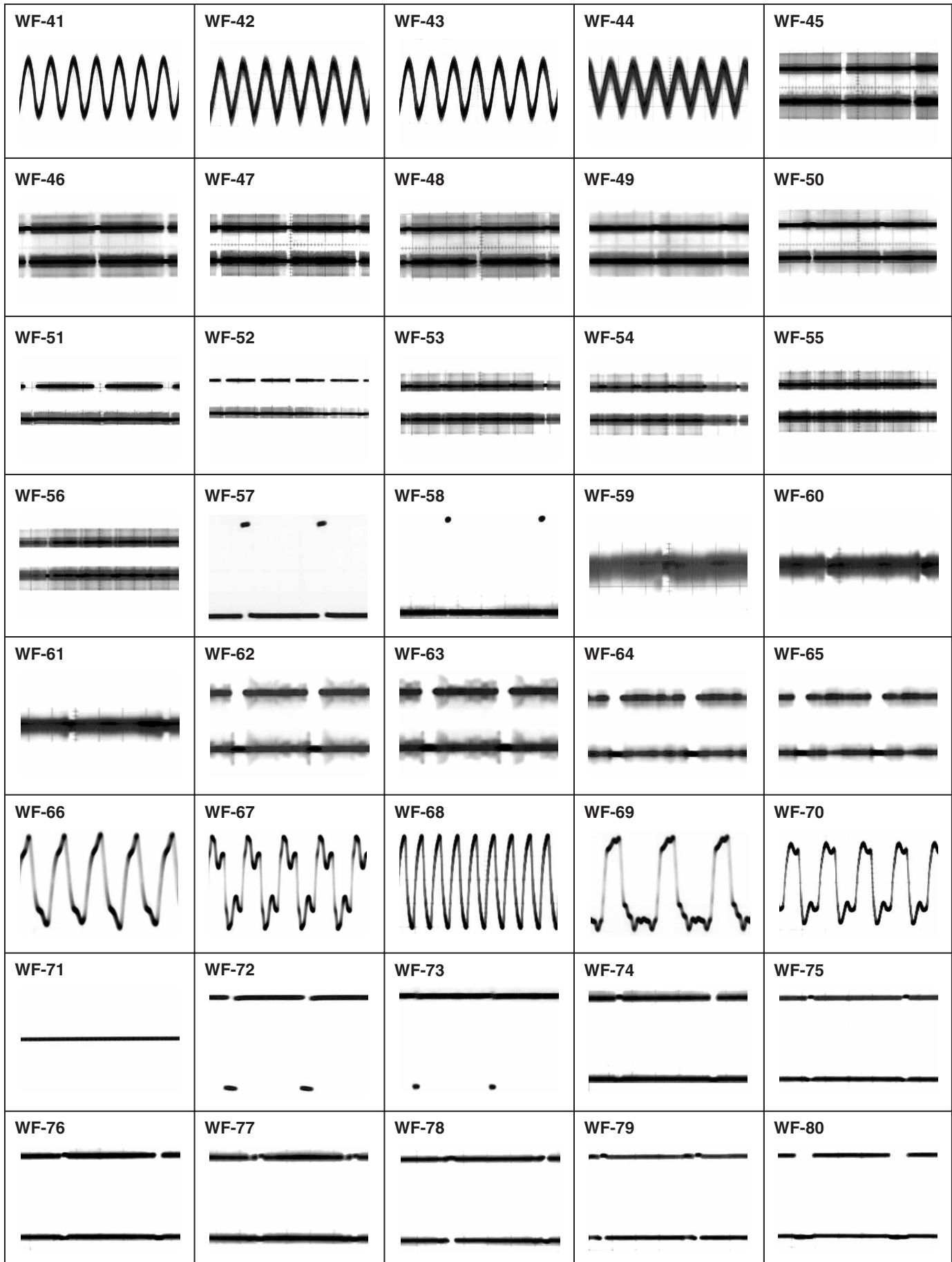
Check Point of the IC6001

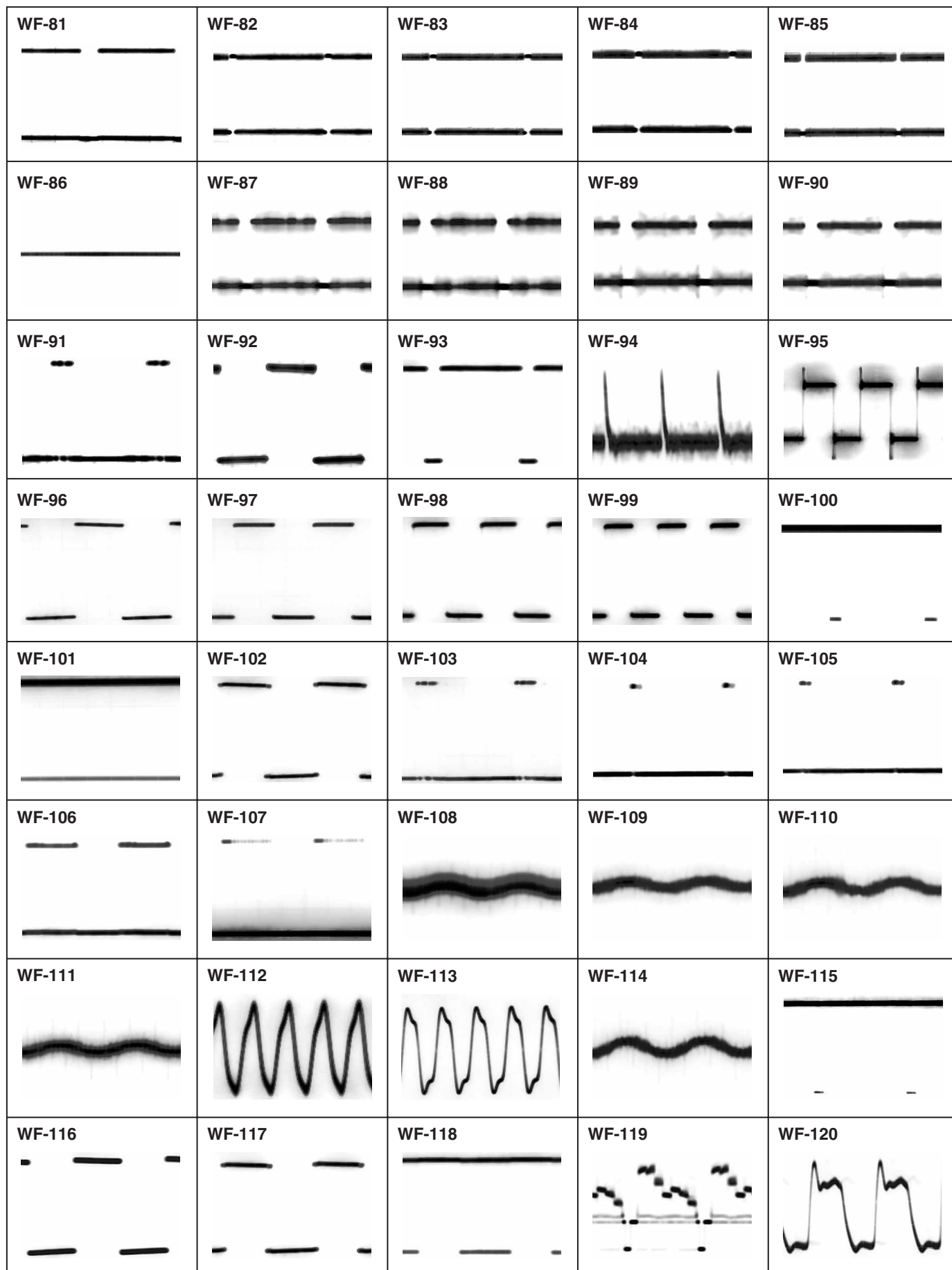
| CSP IC | | Check Point | | WF NO. | Remarks |
|--------|------------------|--------------|------|--------|-----------------|
| Pin | Name | | | | |
| U15 | LENS_DRV_SCK | TP701 | C-6 | WF-166 | MAIN P.C.B. (F) |
| U16 | PD2/TB11IN0 | ———— | — | — | |
| U17 | DVSSH | ———— | — | — | |
| U19 | USB_SHIMUKE | R6021(UPPER) | B-7 | WF-1 | SUB P.C.B. (C) |
| U20 | X2 | R6019(RIGTH) | B-7 | WF-178 | SUB P.C.B. (F) |
| V1 | P46/SCOUT | ———— | — | — | |
| V2 | P47 | ———— | — | — | |
| V19 | PD7/TB15OUT | ———— | — | — | |
| .u20 | X1 | R6019(LEFT) | B-6 | WF-178 | SUB P.C.B. (F) |
| W1 | GND | ———— | — | — | |
| W2 | GND | ———— | — | — | |
| W3 | P21/HOST_REQ | TP3037 | D-4 | WF-1 | MAIN P.C.B. (F) |
| W4 | P23/A19/A3/A19 | ———— | — | — | |
| W5 | ELVIS_POR | R510(LOWER) | C-3 | WF-1 | MAIN P.C.B. (F) |
| W6 | RESIZE_RST | R6015(RIGTH) | C-6 | WF-1 | SUB P.C.B. (F) |
| W7 | P67/A15 | ———— | — | — | |
| W8 | P11/RXD6 | ———— | — | — | |
| W9 | S_NOTICE_CS | ———— | — | — | |
| W10 | S_NOTICE_DI | R6064(LOWER) | C-4 | WF-1 | SUB P.C.B. (C) |
| W11 | S_NOTICE_RESET | ———— | — | — | |
| W12 | CHG_CNT2 | Q1503-B | C-6 | WF-1 | SUB P.C.B. (C) |
| W13 | STANDBY_LED | Q6003-B | B-6 | — | |
| W14 | G-SENSOR_SCA | R6063(RIGTH) | C-6 | WF-73 | SUB P.C.B. (F) |
| W15 | G-SENSOR_RST | ———— | — | — | |
| W16 | PD1/TB10IN1 | ———— | — | — | |
| W17 | CHG_SW | IC15001-1 | B-5 | WF-1 | SUB P.C.B. (C) |
| W18 | BOYO_LED | ———— | — | — | |
| W19 | GND | ———— | — | — | |
| W20 | GND | ———— | — | — | |
| Y1 | GND | ———— | — | — | |
| Y2 | GND | ———— | — | — | |
| Y3 | P20/A16/A0/A16 | ———— | — | — | |
| Y4 | P22/CAM_WAKEUP | R3180(LOWER) | D-7 | WF-1 | MAIN P.C.B. (C) |
| Y5 | ELVIS_CPU_FINISH | TP514 | D-3 | WF-1 | MAIN P.C.B. (F) |
| Y6 | ELVIS_CLKRST | R509(LOWER) | C-3 | WF-1 | MAIN P.C.B. (F) |
| Y7 | S/S_SW | R6009(RIGTH) | C-6 | WF-1 | MAIN P.C.B. (F) |
| Y8 | LENS_DEBUG_DO | ———— | — | — | |
| Y9 | LENS_DEBUG_SCK | ———— | — | — | |
| Y10 | S_NOTICE_DO | ———— | — | — | |
| Y11 | S_NOTICE_CLK | ———— | — | — | |
| Y12 | CHG_CNT1 | IC1504-B | C-6 | WF-1 | SUB P.C.B. (C) |
| Y13 | CHG_CNT3 | ———— | — | — | |
| Y14 | G-SENSOR_READY | R6062(RIGTH) | C-16 | WF-1 | SUB P.C.B. (F) |
| Y15 | G-SENSOR_SCL | ———— | — | — | |
| Y16 | PD0/TB10IN0 | ———— | — | — | |
| Y17 | LIGHT_ON | ———— | — | — | |
| Y18 | BAT_SW | ———— | — | — | |
| Y19 | GND | ———— | — | — | |
| Y20 | GND | ———— | — | — | |

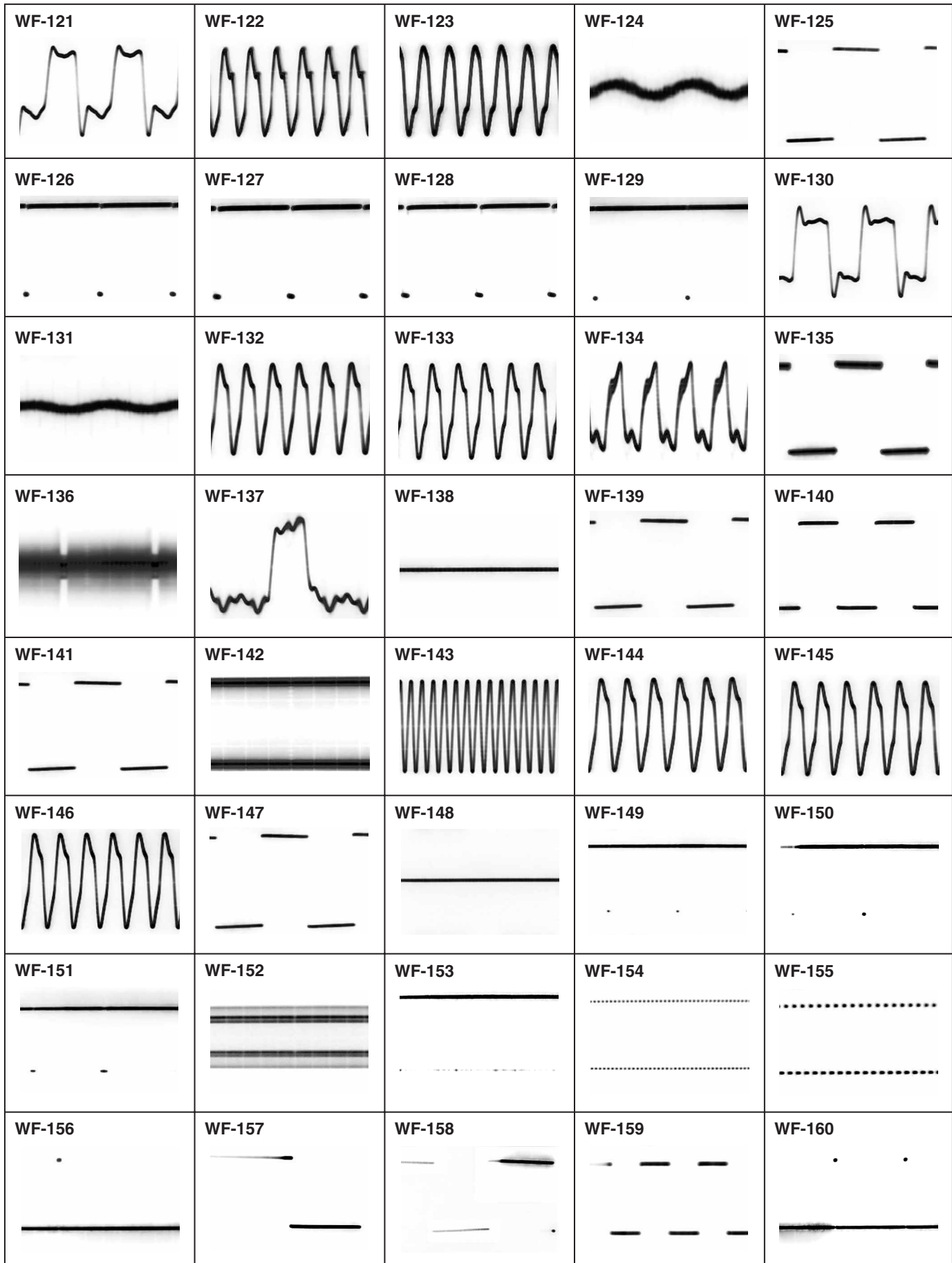
(C): COMPONENT SIDE (F): FOIL SIDE

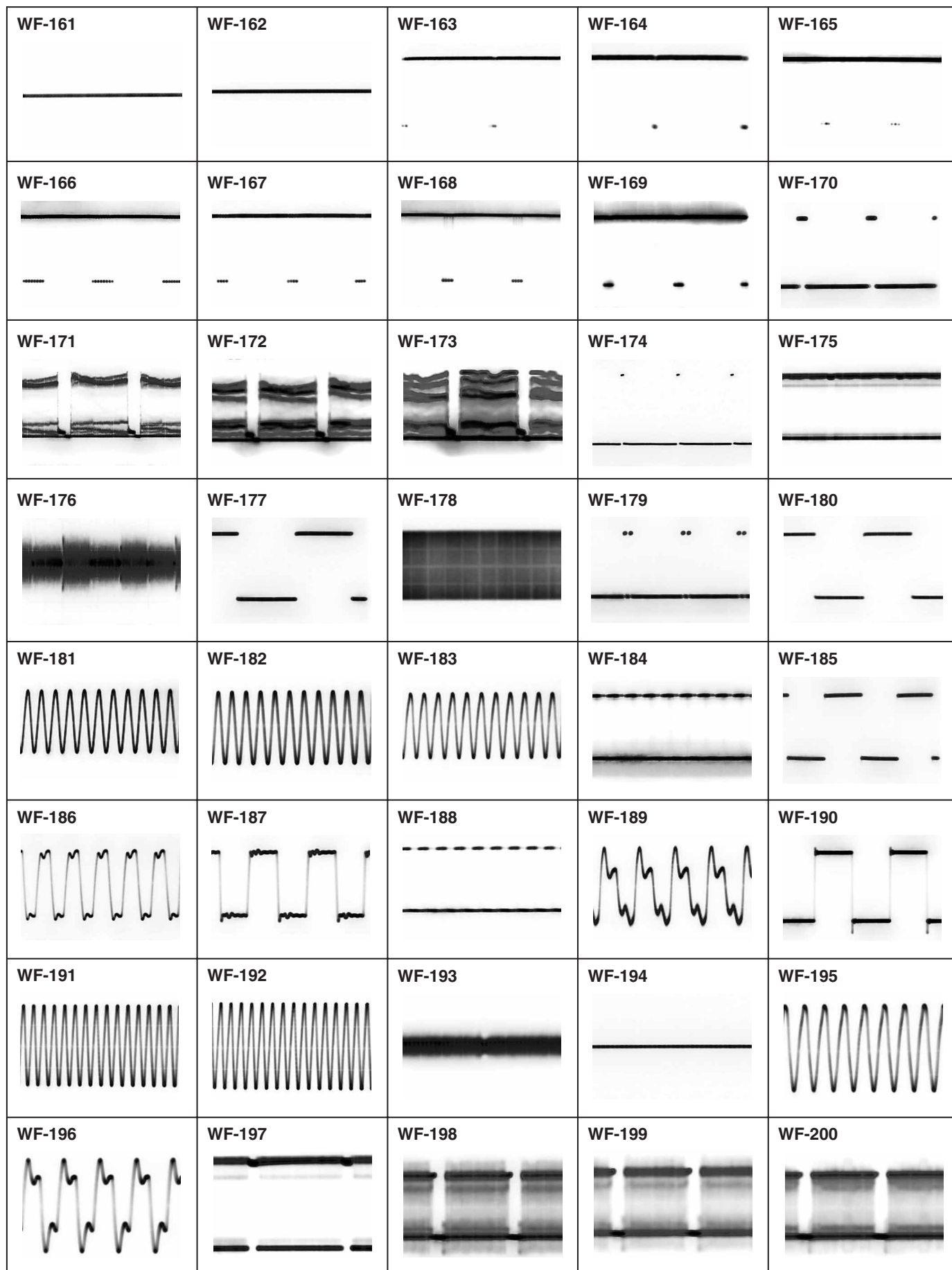
10.2. Waveform Table of the CSP IC

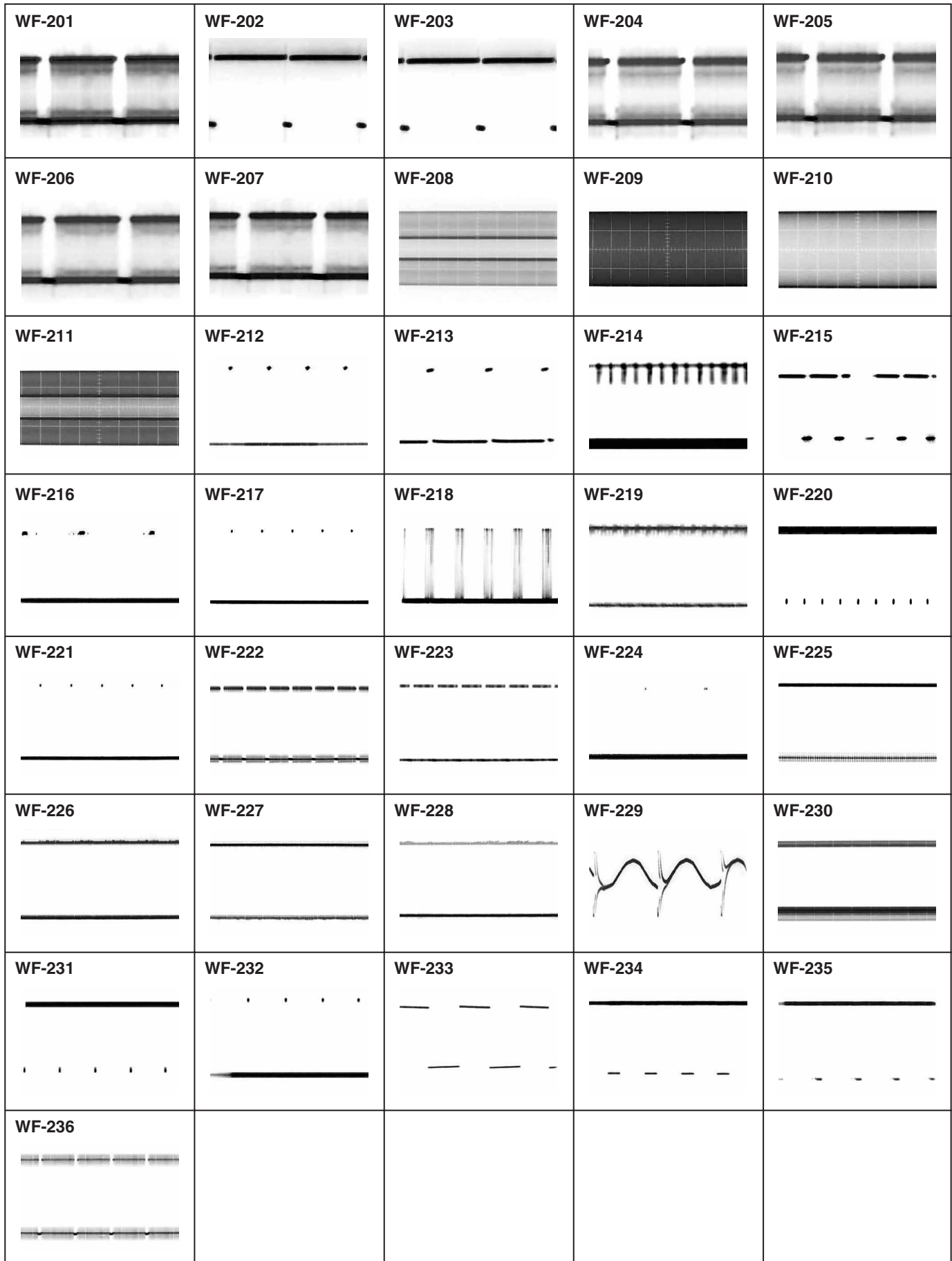












10.3. Abbreviations

| INITIAL/LOGO | ABBREVIATIONS | INITIAL/LOGO | ABBREVIATIONS |
|--------------|-----------------------------|----------------------------------|---|
| A | A GND | Analogue GND | B BCKIN bit Clock Input BD0-7 REC/Play In/Out Buss BDCK Standard Bus Data Clock BDEN Standard Bus Data Enable BDO Black Drop Out BEND Data Block End Request BF Burst Flag Pulse BFO/BFI Burst Flug Input/Output BI, BO Buffer Input, Output BL Back Light BL ON Back Light ON BLDI/O Back Light Drive Input/Output BLK Blanking Pulse BLKA Blanking Pulse for Encoder BLKCK Sub Code Block Clock BLKI/O Blanking Pulse In/Out BLKZ Blanking Pulse for Zoom Encoder BM Balance Modulator BOTTOM Cap. For Bottom Hold BQUIET BUS Out Control Signal BUF IN/OUT Buffer In/Out B-YO B-Y Signal Out BYP Bypass BYTCK Byte Clock C C A In/Out Pre-Aperture In/Out C CNT Colour Control C SYNC Composite Sync Signal C/N Carrier/Noise C0-7, C00-07 Chrominance Signal CAGAIN Aperture Gain Control CAM Camera CAM CLK Camera Clock CAM RST Camera Reset CAM SIOC Camera Serial In/Out Contol CAM T Camera Test CAS Memory Address Strobe (Active Low) CAV Constant Angular Velocity CB, CR Chroma B, Chroma R CBDO Cap. Black Drop Out CBLK Composite Blanking Pulse CC Channel Cording CCA Curent Drive Control CCA Current Control AMP CCD Charge Coupled Devise CCW Counterclockwise CD Compact Disc CD SP0-7 Digital Chroma CDRF CD RF (EFM) Signal CDS Correlate Double Sampling Signal CDS1, 2 Sampling Pulse for CCD Output Signal CDSCK CD Serial Data Clock CDSRDATA CD Serial Data CDV Compact Disc-Video CE Chip Enable CE Control Pulse Erase CFEM Chrominance Memory Signal CFM Chrominance Field Memory CFM1-4 Chroma Field Memory Signal CG CLK Character Generator Clock CG CLK DATA Clock Generator Data CG DATA Character Generator Data CGC Chrominance Gain Control CGCS Character Generator Chip Select CGO Character Generator Serial Data CH Charge CH Channel CHNDATA Channel Data CHR Character CHR BACK Character Back-up CHR MIX Character Mix |
| | A MUTE | Audio Mute | |
| | A0-8, 0-17 | Memory Address | |
| | A3V2 | AD Converter Reference Voltage | |
| | AB0- | Address BUS | |
| | ABSF | Focus Encoder Input | |
| | ACLK | Audio Clock | |
| | AD | AD Converter | |
| | AD | Analogue Digital Converter | |
| | AD | Auto Date | |
| | AD CLK | AD Clock | |
| | AD0-, ADRO- | Address Data Line | |
| | ADATA | Audio Pes Packet Data | |
| | ADCLK | Analogue Digital Converter Clock | |
| | ADCNT | Analogue Digital Control | |
| | ADCS | Analogue Digital Chip Select | |
| | ADM0-15 | Address Data | |
| | AE | Auto Expose | |
| | AECNT | Auto Expose Control | |
| | AEE(H) | Audio E-E (H) | |
| | AEIRQ | Auto Expose Interrupt Request | |
| | AF DIS CS | AF DIS Chip Select | |
| | AF/MF | Auto Focus/Manual Focus | |
| | A-FADE(L) | Audio Fade (L) | |
| | AF-AMP | AF HALL Bias | |
| | AFCS | Auto Focus Chip Select | |
| | AFRP | Audio PLL Voltage Control | |
| | AF-VN | Zoom Encoder V-Ref | |
| | AF-VP | Zoom Encoder V-Ref | |
| | AGC | Automatic Gain Control | |
| | AGND | Analogue Ground/Audio Ground | |
| | AGS | Anti Ground Shooting | |
| | AI, AO | Buffer Input, Output | |
| | AIBCK | bit Clock (to A/D Converter) | |
| | AIDAT | Serial Data (to A/D Converter) | |
| | AILRCK | L/R Clock (to A/D Converter) | |
| | AIMCK | Master Clock (to A/D Converter) | |
| | ALC CNT | Auto Level Control | |
| | ALC MAIN | Auto Level Control Drive | |
| | ALE | Address Latch Enable | |
| | A-LOCK | Full Auto Switch | |
| | A-MUT | Audio Mute | |
| | AMUTE | Audio Mute | |
| | ANLPTH | Analogue Loop Through High | |
| | AORP | Audio Overlap Pulse | |
| | APCNT | Aperture Control | |
| | APS | Auto Power Save | |
| AREQ | Audio Pes Packet Request | | |
| ARF | Audio RF | | |
| ASI | Servo AMP Inverted Input | | |
| ASO | Servo AMP Output | | |
| ASYNC | Audio Word Distinction Sync | | |
| ATL | Auto Lock Select | | |
| ATN | Absolute Track Number | | |
| ATV | Advanced TV | | |
| AUDIO (N) | Audio (Normal) | | |
| AUX | Auxiliary | | |
| AVDD | Analogue VDD | | |
| AVSS | Analogue Ground | | |
| AWTB | Auto White Balance B-Y | | |
| AWTR | Auto White Balance R-Y | | |
| B | BACK | Back-up | |
| | BACK VDD | Back-up Power | |
| | BATT | Battery | |
| | BATT ALARM | Battery Alarm | |
| | BATT REF | Reference Voltage for Battery | |
| | BCB | B Carrier Balance | |
| | BCBM(B-Y) | B-Y Carrier Balance | |
| | BCBM(R-Y) | R-Y Carrier Balance | |
| | BCK | bit Clock (PCM) | |

| | INITIAL/LOGO | ABBREVIATIONS | | INITIAL/LOGO | ABBREVIATIONS |
|-----------|-------------------------------|--|--------------------------------------|--------------|---|
| C | CI, CO | Buffer In/Out | D | DCC | DC Clamp Control |
| | CIF | Control Signal Forward Input | | DCCNT | DC Control |
| | CIF, CIR | Positive Control Pulse, Negative Control Pulse | | DCI | Digital Channel Cording IC |
| | CIR | Control Signal Reverse Input | | DCLR | Digital Clear |
| | CK | Clock | | DCP | Digital Clamp Pulse |
| | CKSL | System Clock Select | | DCS-CLK, DA | CAS & DV I/F Serial Clock |
| | CL | Clock | | DC-STP1 | DCS Serial Start |
| | CLK | Clock | | DC-STP2 | DCS Serial Stop |
| | CLASS | Classeffication Signal for Compress (DCT/VLC) | | DCT | Discrete Cosine Transform (Compression) |
| | CLASS 0.1 | Class Control Signal Durring DCT/VLC | | DCX7 | Serial Data |
| | CLK135 | 13.5MHz System Clock | | DEEMP | Deemphasis bit ON/OFF |
| | CLK27 | 27MHz System Clock | | DEMO | Demodulation |
| | CLK450 | 450KHz Clock | | DEMP | A/D Convertor Empahsis Control |
| | CLKDCLK | Digital Clock | | DEMP | De-Emphasis |
| | CLK-PH | Clock Phase Control | | DIBDCK | bit Clock |
| | CLK-REF | Reference Clock | | DICLK | Digital Clock |
| | CLP-RST-H | Clamp Reset High Signal | | DIDAT | Serial Data Durring Digital Audio In |
| | CLV | Constant Linear Velocity | | DIF | Digital Interface |
| | CLX | TFT X-axis Transmission Clock | | DIG0- | FL Digit Output |
| | CLX | Shift Clock for X Direction (LCD Panel) | | DILRCK | Serial Clock Durring Digital Audio In |
| | CLY | Shift Clock for Y Direction (LCD Panel) | | DIMCK | Master Clock Durring Digital Audio In |
| | CLY | TFT Y-axis Transmission Clock | | DIN | Data Input |
| | CMEMO0-3 | Chroma Memory Output Signal | | DIO 1-8 | Data In/Out |
| | CMIX | Character Mix | | DIOS | Data In/Out Select Control Signal |
| | CMO | Chrominance Memory Output | | DIOS | Select Signal for Digital In/Out |
| | CMODE | Camera Mode | | DIS | Digital Image Stabilizer |
| | CNCLK | Clock | | DIS R/B | Digital Image Stabilizer Read/Busy |
| | CNR | Chrominance Noise Reduction | | DIS/KAND | Digital Image Stabilizer/Sensitivity |
| | CNT, CONT | Control | | DISCS | Dis Chip Select |
| | CO | Control Out | | DISP | Display |
| | CO0-7 | Chrominance Output (Digital) | | DMSRCK | Delay Line |
| | COFTR | Cap. OFF Track | | DL | DM Serial Data Read Clock |
| | COM | Common | | DMUTE | Digital Mute Control |
| | COM RDY | Serial Enable Signal | | DO | Drop Out |
| | COM RDY | Serial Transmission Enable | | DOBCK | Audio A/D Convertor bit Clock |
| | COMB | Comb Filter | | DOCTL | Data Output Control Signal |
| | COMPC | Position Detection Pulse | | DODAT | Serial Data (to D/A Converter) |
| | COS EQ | Cosin Equalizer | | DOLRCK | Audio A/D Converter LR Clock |
| | CP | Clamp Pulse | | DOMCK | Audio A/D Converter Master Clock |
| | CP ON | Camera Power ON | | DOU0- | Data Output |
| | CP2, 20 | Clamp Pulse | | DQ 1-16 | Memory Data |
| | CP2A, CP2O | Encoder Clamp Pulse | | DRAM CAS | D-RAM Colum Address Strobe |
| | CPA | CPU Address | | DRAM OE | D-RAM Out Enable |
| | CPCS | CPU Chip Select | | DRAM RAS | D-RAM Read Address Strobe |
| | CPDT | CPU Data | | DREC | AV Delayed REC Start Pulse |
| | CPN | Component Signal | | DREQ | Data Request |
| | CPOB | Clamp Pulse for Optical Blanking | | DRESP | Data Response |
| CPRD | CPU Read Enable | DRF | Data Slice RF (BIAS) | | |
| CPS | Composite Signal | DRK | Dark (LPF Switch for Auto Focus) | | |
| CPUADR | CPU Address Latch | DRPOUT | Drop Out Signal | | |
| CPUADT | CPU Address Data Bus | DS1, 2 | Double Sampling Pulse | | |
| CPUIRQ | CPU Interrupt Request | DSC | Digital Servo Controller | | |
| CPV | Gate Scan Clock | DSLFL | Data Slice Loop Filter | | |
| CPWR | CPU Write Enable | DSP | Digital Signal Processor | | |
| CR OUT | Pre Apature Out | DSP R/B | DSP IC Rady/Busy | | |
| CR POW SW | Camera Remote Power ON Switch | DSP-48K-H | DSP IC Clock Select | | |
| CRA | Aperture Gain Control | DSTB | Data Strobe Signal | | |
| CRA | Pre Apature Gain Control | DSV | Digital Sum Variation | | |
| CRST | Camera Reset | DV | Digital Video | | |
| CS | Chip Select | DVB | Digital Video Broadcast | | |
| CS 0-7 | Chrominance Signal Out | DVC | Digital Video Cassette | | |
| CSEL | Clock Phase Select | DVD | Digital Video Disc | | |
| CSI 0-7 | Chrominance Signal In | DVDD | Digital VDD | | |
| CSYNCIN | Composite Sync In | DVIO | Digital Video Input Output | | |
| CSYNCOUT | Composite Sync Out | DVSS | Digital Ground | | |
| CTSW | Crosstalk Switch | DX | Shift Data for X Direction (for LCD) | | |
| CURR | Current | DY | Shift Data for Y Direction (for LCD) | | |
| CW | Clockwise | DZ | TFT Y-axis Shift Data | | |
| D | D CLK | Digital Clock | E | E Snap | Electric Snap Shot |
| | D MODE | Digital Mode Switch Signal | | E ZM | Electric Zoom |
| | D01-03 | Zoom 01-03 | | E2 CS | EEPROM Chip Select |
| | DA UV SEL | D/A Convertor U/V Select | | E2P CS | EEPROM Chip Select |
| | DAC | Digital Analogue Converter | | E2 R/B | EEPROM Rady/Busy |
| | DACCK | D/A Converter Clock | | E2P | EEPROM |
| | DAG | Digital Analogue Ground | | EARP | Earphone |

| INITIAL/LOGO | | ABBREVIATIONS | | INITIAL/LOGO | | ABBREVIATIONS | | | |
|--------------|------------------------------|--|--------|------------------------|---|---|--------------------------|------------------------|--|
| E | EC | Error Torque Control | | H | HP | Headphone | | | |
| | ECC | Error Correction Coding | | | HPF | High Pass Filter | | | |
| | ECM | Electric Condenser Mic | | | HRXW | Host Read/Write | | | |
| | ECR | Error Torque Control Reference | | | HSE | Modulated Data Output | | | |
| | EDA | Error Correction, DCI, ATF Servo | | | HSS | Horizontal Sync Signal | | | |
| | EE CS | EEPROM Chip Select | | | HS-WT | High Speed Zoom | | | |
| | EE R/B | EEPROM Read/Busy | | | HSZ | High Speed Zoom | | | |
| | EEPROM | Electric Erasable Programable Read Only Memory | | | I | I/F | Interface | | |
| | EIS | Electric Image Stabilizer (DIS) | | | | I-2 C | Inter Integrated Circuit | | |
| | EMP | A/D Convertor Emphasis Control | | | | ID | Wide Television | | |
| | ENAB | Enable | | IECOUT | | IEC958 Format Data Output | | | |
| | ENCSEL | Encoder Select | | IMP | | Inter Microprocessor Protocol | | | |
| | ENV | Envelope | | INF | | CCD Input Signal 1 | | | |
| | EOB | End of Block | | INF | | Input Frame Signal | | | |
| | EQ | Equalizer | | INS | | CCD Input Signal 2 | | | |
| | ETMCLK | External M Clock (81MHz/40.5MHz) | | INTER | | Interval Recording | | | |
| | ETSCLK | External S Clock (54MHz) | | INV | | Inverter | | | |
| | EVF | Electric View Finder | | IOU | R-Y Analogue Signal Output | | | | |
| | EXT DC | External DC (AC Adaptor) | | IOV | B-Y Analogue Signal Output | | | | |
| | EXT NOREG | AC Adaptor 7.2/7.9V | | IOY | Y Analogue Signal Output | | | | |
| EXT S DATA | Serial Data for Edit | | IPFRAG | Interpolation Flag | | | | | |
| EXT SCK | Serial Clock for Edit | | IR | Infrared Rays | | | | | |
| EZOOM | Electric Zoom | | IRDET | Infrared Ray Detection | | | | | |
| F | F ENC | Lens F-Value | | IREF | Current Reference | | | | |
| | FACT MODE | Factory Mode (not used in the service) | | IRIS/SH | IRIS / Shutter Control | | | | |
| | FB | Feed Back | | IRQ | Interrupt Request | | | | |
| | FBAL | Focus Balance | | ISEL | InterFace Mode Select | | | | |
| | FC | Saw Tooth Signal In | | J | JPEG | Joint Photographic Image Coding Experts Group | | | |
| | FCLK | Frame Clock | | | K | KANDO | Digital Gain Up | | |
| | FCO | Saw Tooth Signal Generator | | | | KB | Carrier Balance | | |
| | FE | Focus Error | | | | KEY IN | Key Scan | | |
| | FENC | Focus Encoder | | | | KND | Digital Gain Up | | |
| | FEND | Frame End Pulse | | | | KNEE | Luminance Compensate | | |
| | FEO | Focus Error AMP Output | | | | L | LCD | Liquid Crystal Display | |
| | FFI | Focus Error AMP Inverted Input | | | | | LDD | Liquid Direct Drive | |
| | FG | Frequency Generator | | | | | LDON | Laser Diode Control | |
| | FLICK | Flicker Output | | | | | LEDCNT | LED Control | |
| | FM | Field Memory | | LI-BATT | | | Lithium Battery | | |
| | FMCO0-3 | Field Memory Chrominance Out | | LPC | Laser Power Control | | | | |
| | FMDIR | Focus Motor Direction | | LPF | Low Pass Filter | | | | |
| | FMOEM | Field Memory Enable | | LRCK | L CH/R CH Distinction Clock | | | | |
| | FMOEO | Field Memory Enable | | LSB | Least Significant bit | | | | |
| | FMT1-4 | Focus Motor Terminal | | LVL | LPF Switch for Auto Focus | | | | |
| FMY00-07 | Field Memory Luminance Out | | M | MA0- | Memory Address | | | | |
| FMY10-07 | Field Memory Luminance In | | | Mbps | Megahertz bit Per Second | | | | |
| FNO | F Value | | | MCK | Memory Clock | | | | |
| FPS | Frame Reference Signal | | | MCKI | Memory Clock Input | | | | |
| FRP | Frame Reference Pulse | | | MCLK | Memory Serial Command Clock | | | | |
| FRPSO | Frame Start Pulse | | | MD | Modulation | | | | |
| FSC | Frequency Sub Carrier | | | MD0-7 | Microprocessor Data | | | | |
| FSCK | FS (384 Over Sampling) Clock | | | MDATA | Memory Serial Command Data | | | | |
| G | G1, G2, G3 | Gap 1,2,3 | | | MDQ0- | Memory Data Input/Output | | | |
| | GCA | Gain Control AMP | | | MDQM | Memory Data I/O Mask | | | |
| | GCNT | Gain Control | | MDT0-7 | Microprocessor Data | | | | |
| | G-CNT | AGC Adjustment | | MENB | Focus Motor Enable | | | | |
| | GCTRL | Gain Control | | MFF | Manual Focus Far | | | | |
| | GENE | Generator | | MFN | Manual Focus Near | | | | |
| | GND | Common Grounding (Earth) | | MHSYNC | Monitor Horizontal Sync Signal | | | | |
| | GSW | Ground for Switching Power | | MIX N.R.D. | Non Rec Data Mix | | | | |
| H | H1, 2 | H CCD Drive Pulse | | MLD | Memory Serial Command Load | | | | |
| | HA0- | Host Address | | MOD | Modulation | | | | |
| | HALL IN(+), (-) | Input Signal from Hall IC | | MOUT | MIC Out | | | | |
| | HAP | Horizontal Aperture | | MPEG | Moving Picture Image Coding Experts Group | | | | |
| | HB | Hall Bias | | MRST | Focus Motor Reset | | | | |
| | HBR SET | High Brightness Set | | MSB | Most Signal bit | | | | |
| | HBRST | High Brightness Set | | MVSYNC | Monitor Vertical Sync Signal | | | | |
| | HCLR | High Clear | | N | N/F | Near/Far Focus | | | |
| | HCP | Shift Clock for Horizontal Drive | | | N/P | NTSC/PAL | | | |
| | HD | Horizontal Drive Pulse | | | NC | No Connection | | | |
| | HD0-7 | Host Data | | | NCLR | Power ON Reset | | | |
| | HDTV | High Definition TV | | | NCP1 | Clamp Pulse | | | |
| | HEX | Hexadecimal | | | NCP2+VDH | Clamp Pulse + Horizontal Drive Pulse | | | |
| | HG | Hall Gain | | | | | | | |
| | HINT | Host Interrupt | | | | | | | |
| | HLT | High Bright Signal | | | | | | | |

| INITIAL/LOGO | | ABBREVIATIONS | INITIAL/LOGO | | ABBREVIATIONS |
|--------------|--|--|-----------------------------------|-----------------------------|----------------------------|
| N | NCP2+VDM | Clamp Pulse + Gate Pulse | R | RENCR | Lens Control (Reverse) |
| | NDE | Non Liner De-Emphasis | | RFENV | RF Envelope |
| | NLE | Non Liner Emphasis | | RFO | RF Phase Difference Output |
| | NR | Noise Reduction | | RGO R/G OFF | Offset Voltage for AWT R |
| | NRD | Non Rec Data | | RS | (CD-ROM) Register Select |
| | NRD BLK | Non Rec Data Blanking | | RSEL | RF Polarity Select |
| | NRD CLK | No Rec Data Clock | | RST | Reset |
| | NRE | Read Enable Input (Low Active) | | RSTB | R Strobe |
| | NWE | Write Enable (Low Active) | | RSTPWD | Reset Power Down Input |
| | | | | RSTR | Reset Read |
| O | OB | Optical Black | RSTW | Reset Write | |
| | OBCNT | Optical Black Control | RSV | Reserve | |
| | OBREF | Reference Voltage for Optical Black Control | RT | Saw Tooth Terminal | |
| | ODC | Optical Disc Controller | RTC | Real Time Control | |
| | OE | Output Enable | RVCO | Resister for Oscillation | |
| | OFH | Horizontal Counted Down Clock Signal (Reference) | RW | Read Write | |
| | OFS | Offset | RWAE | Read Write Enable | |
| | OFTR | OFF Tracking | | | |
| | OP | Operation AMP Output | S | S PHOT | Supply Photo Transistor |
| | OSCI | Oscillator Input | | S/H | Sampling Hold |
| | OSCO | Oscillator Output | | S/S | Start/Stop |
| | OSD | On Screen Display | | SBCK | Sub Code Clock |
| | OVL | Overlap Pulse | | SBD | Serial Data |
| | OZ | Optical Zoom | | SBI | Serial Data Input |
| | | SBO | | Serial Data Output | |
| | | SBT | | Serial Clock | |
| | | SCAN0-5 | | Key Scan | |
| | | SCK | | Serial Data Clock | |
| | | SCKR | | Audio Serial Clock Receiver | |
| | | SCL | | Serial Clock | |
| | | SCLK | | Serial Clock | |
| | | SCR | | Search | |
| | | SDA | Serial Data | | |
| | | SEG. | Segment | | |
| | | SELCLK | Select Clock | | |
| | | SEN | Serial Port Enable | | |
| | | SET | White Balance Set | | |
| | | SH/IRIS | Shutter/IRIS Control | | |
| | | SHIFT | Capasitor for Phase Shift | | |
| | | SI | Serial Data Input | | |
| | | SIC | Shift In Clock Input | | |
| | | SIN1, 2 | Serial Data In | | |
| | | SIOC | Serial In/Out Control | | |
| | | SNAP | Snap Shot | | |
| | | SNS LED | Sensor LED | | |
| | | SO | Serial Data Output | | |
| | | SOUT1, 2 | Serial Data Out | | |
| | | SPA | ATF Smapling Pulse | | |
| | | SPDI | Serial Port Data Input | | |
| | | SPDO | Serial Port Data Output | | |
| | | SPEN | Serial Port R/W Enable | | |
| | | SPK | Speaker | | |
| | | SPO | Reset for Switching Power | | |
| | | SPRCLK | Serial Port Read Clock | | |
| | | SPST | 8 bit Shift Register Strobe | | |
| | | SPWCLK | Serial Port Write Clock | | |
| | | SQCK | Sub Code Q Clock | | |
| | | SQCX | Sub Code Q Data Read Clock | | |
| | | SRDATA | Serial Data | | |
| | | SREELP | Supply Reel Pulse | | |
| | | SRMADR | SRAM Address Bus | | |
| | | SRT | Start | | |
| | | SS | Start/Stop | | |
| | | SSA | Start Sync block Area | | |
| | | SSW | Select Signal for Low Pass Filter | | |
| | | STAT | Status | | |
| | | STB | Stand by Signal | | |
| | | STB | Strobe | | |
| | | STCLK | Stream Data Clock | | |
| | | STENABLE | Stream Data Input Enable | | |
| | | STSEL | Stream Data Polarity Select | | |
| | | STVALID | Stream Data Validity | | |
| | | SUBC | Sub Code Serial | | |
| | | SUBQ | Sub Code Q Data | | |
| | | SWB | Switching Pre-Drive Pulse | | |
| | | SYSCLK | System Clock | | |
| P | P SW | Power Switch | | | |
| | P1- | PORT | | | |
| | PBCTL | Play Back Control | | | |
| | PBCTL | Pre-Blanking Control | | | |
| | PBLK | Pre-Blanking (Pulse) | | | |
| | PCBM | Carrier Balance | | | |
| | PCD | CD Tracking Phase Difference | | | |
| | PCH | Phase Compensator (Hall AMP) | | | |
| | PCI | Phase Compensator (Current) | | | |
| | PCK | PLL Clock | | | |
| | PCO | Phase Compensator Out | | | |
| | PCS | Switching Power Control | | | |
| | PCV | Phase Compensator (Voltage) | | | |
| | PDVD | DVD Tracking Phase Difference | | | |
| PEAK | Cap. For Peak Hold | | | | |
| PED | Pedestal | | | | |
| PEDECNT | Pedestal Control | | | | |
| PENO | Alarm | | | | |
| PFP | Pilot Frame Position | | | | |
| PGA, B | Power Ground A, B | | | | |
| PGC | Pulse Generator Comparator | | | | |
| PGI | Pulse Generator Input | | | | |
| PGMM | Pulse Generator Monostable Multivibrator | | | | |
| PGO | Output of Pulse Generator AMP | | | | |
| PLLCLK | Channel PLL Clock | | | | |
| PLLOK | PLL Lock | | | | |
| PMODE | Select Signal for Normal / Wide Screen | | | | |
| PON | Power ON | | | | |
| POR | Power ON Reset | | | | |
| POSCOM | Common Position | | | | |
| PREAMP | Pre-AMP | | | | |
| PREBLK | Pre-Blanking | | | | |
| PT | Protect for V Voltage | | | | |
| PWM | Pulse Width Modulation | | | | |
| PWMB | Pulse Width Modulation Pulse | | | | |
| PWMCTL | PWM Output Control | | | | |
| PWMDA | Pulse Wave Motor Drive A | | | | |
| Q | Q2H | Source Output Select | | | |
| R | R/B | Read/Busy | | | |
| | R/L | Direction Control for Data Transmission | | | |
| | RA | Recording AMP | | | |
| | RA1 | Rec AMP 1 | | | |
| | RAC AC | Rec Audio Current | | | |
| | RAD | Read Address Data | | | |
| | RAE | Read Address Enable | | | |
| | RB | Read Busy | | | |
| | R-B | R Bias | | | |
| | RCB | R Carrier Balance | | | |
| | RE | Read Enable | | | |
| | REB | R Bias | | | |
| | RENCF | Lens Control (Forward) | | | |

| INITIAL/LOGO | | ABBREVIATIONS | INITIAL/LOGO | | ABBREVIATIONS |
|--------------|--|---|--------------|---|--|
| T | TE TFT TH TI TIBAL TID TIN TIP TIS TL TM TMD TPSN TPSO TPSP TRCRS TRON TRSON | Tracking Error Thim Film Transistor Thermostat for Battery Test Mode Select Balance Control Balance Output Balance Input Balance Input Balance Output Torque Limit Sub Code Sub Code Data OP AMP Input OP AMP Output OP AMP Inverted Input Track Cross Signal Tracking ON Traverse Servo ON | W | WB WDCK WE WEH WEM WHD WIDE A WSB WSR WSR WTV | White Balance Word Clock Write Enable Write Enable High Memory Write Enable Wide Horizontal Drive Pulse Wide Zoom B AGC Control R AGC Control Word Select Receiver Wide TV |
| U | UV SEL UNRE UNWE UV UV SEL | R-Y/B-Y Select Signal Microprocessor Read Enable Microprocessor Write Enable R-Y/B-Y R-Y/B-Y Select Signal | X | X XALE XAREQ XCDrom XCS XCSYNC XDS XHINT XHSYNCO XI XINT XMW XO XP XRE XSRMCE XSRMOE XSRMWE XVCS XVDS XVSYNCO | X' TAL X Address Latch Enable X Audio Data Request X CD ROM Chip Select X Chip Select X Composite Sync X Data Strobe XH Interrupt Request X Horizontal Sync Output X' TAL Oscillator Input X Interrupt X Memory Write Enable X' TAL Oscillator Output FG Logic Reset X Read Enable X SRAM Chip Enable X SRAM Output Enable X SRAM Write Enable X V-Dec Chip Select X V-Dec Control Bus Strobe X Vertical Sync Output |
| V | V1-V4 VB VBLANK VCC VCDCONT VCE VCNTL VCO VCP VCTLD VCTRL VD VDD VDDX VDDXY VDDY VDREC VFB VGG VGL VID VIN VITC VITERBI VL VLC VM VMD VMD1-3 VMODE VMVH VRB VRBS VREF VREFH VREFL VRI VRO VRT VRTS VS VSS VSS VSSX VSSXY | V. CCD Drive Pulse VH Filter Switching V Blanking Collector Power Supply Voltage Video CD Control (Tracking Balance) Power Terminal Video Control Voltage Control Oscillator Shift Clock Output for Vertical Drive Video Control Voltage Charge Control Vertical Drive Pulse Drain Power Supply Voltage X Drive Power for Colour LCD XY Drive Power for Colour LCD Y Drive Power for Colour LCD Video Delayed Rec Video Feed Back Voltage for Gate IC Gate OFF Voltage Video Signal Out Video In Vertical Interval Time Code One of Signal Detection Method Low Voltage Variable Length Cording Motor Voltage Velocity Mode Data Electric Shutter Mode NTSC/PAL Select Switch VH Filter Switching Voltage Reference Bottom Voltage Reference Bottom Output Voltage Reference Reference Voltage High Side Reference Voltage Low Side Reference Voltage Input Reference Voltage Output Voltage Reference Top Voltage Reference Top Output Switching Comparator Source Power Supply Voltage Vertical Sync Signal X Driver Power for Colour LCD X-Y Driver Power for Colour LCD | Y | Y FM0-7 YGC YMO 0-7 YNCST YNR YSDP 0-7 | Y Field Memory Y Gain Control Y Field Memory Noize Canceller Luminance Noise Reduction Digital Y Out |
| W | W/N W/N WAD WAE WAERAE WAIT | Mode Select for Window Mode Wide / Normal Write Address Enable Write Address Enable Write Address Enable BUS Cycle Wait | Z | Z.ENC Z.MIC ZENC ZMDIR ZMEN ZMT ZMTER ZMW ZSW | Zoom Encoder Zoom MIC Zoom Encoder Output Zoom Drive Zoom Enable Zoom Motor Tele Side Zoom Motor Tele Side Zoom Motor Wide Side Zoom Switch |

11 Parts and Exploded Views

11.1. Replacement Parts List

Definition of Parts supplier:

1. All parts are supplied by PSECI.

11.1.1. Electrical Parts List

Note: 1. Be sure to make your orders of replacement parts according to this list.
 2. IMPORTANT SAFETY NOTICE: Components identified with the mark Δ have the special characteristics for safety. When replacing any of these components, use only the same type.
 3. Unless otherwise specified,
 All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICROFARADS (uf), P=uuF.
 4. The P.C. Board units marked with \blacksquare show below the main assembled parts.
 5. The marking (RTL) indicates the retention time is limited for this item.
 After the discontinuation of this assembly in production, it will no longer be available.

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------------|--------------|-----------------------------|-----|---|
| \blacksquare | LSEP8462G1 | MAIN P.C.B. | | (RTL) E.S.D. P, PC, PR, PU, GT |
| \blacksquare | LSEP8462U1 | MAIN P.C.B. | | (RTL) E.S.D. EB, EC, EE, EF, EG, EP, GC9, GJ, GK, GN |
| B9001 | K1KAC0A00014 | CONNECTOR | 1 | |
| C301 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C302 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C303 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C304 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C305 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C306 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C307 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C309 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C310 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C311 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C312 | ECJ0EC1H220J | C.CAPACITOR CH 50V 22P | 1 | |
| C314 | F1J1A106A043 | C.CAPACITOR CH 10V 10U | 1 | |
| C315 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C316 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C318 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C319 | ECJ0EC1H220J | C.CAPACITOR CH 50V 22P | 1 | |
| C320 | F1G1H1020008 | C.CAPACITOR CH 50V 1000P | 1 | |
| C321 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C322 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C323 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C324 | F1J1C475A059 | C.CAPACITOR CH 16V 4.7U | 1 | |
| C325 | F1J1A106A043 | C.CAPACITOR CH 10V 10U | 1 | |
| C326 | F1G1H1020008 | C.CAPACITOR CH 50V 1000P | 1 | |
| C327 | F1H1C104A075 | C.CAPACITOR CH 16V 0.1U | 1 | |
| C328 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|------------------------------|-----|---------|
| C331 | F1G1H5R0A564 | C.CAPACITOR CH 50V 5P | 1 | |
| C332 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C401 | F1J0J106A004 | C.CAPACITOR CH 6.3V 10U | 1 | |
| C402 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C404 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C405 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C406 | ECJ0EC1H100D | C.CAPACITOR CH 50V 10P | 1 | |
| C407 | F1G1H4R0A418 | C.CAPACITOR CH 50V 4P | 1 | |
| C408 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C409 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C410 | ECJ2FB0J225K | C.CAPACITOR CH 6.3V 2.2U | 1 | |
| C501 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C502 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C503 | F1J1A106A043 | C.CAPACITOR CH 10V 10U | 1 | |
| C504 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C505 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C506 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C701 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C702 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C703 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C704 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C705 | F1J1A106A043 | C.CAPACITOR CH 10V 10U | 1 | |
| C706 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C707 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C710 | ECJ0EB1H471K | C.CAPACITOR CH 50V 470P | 1 | |
| C711 | F1G1E472A086 | C.CAPACITOR CH 25V 4700P | 1 | |
| C712 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C713 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C714 | ECJ0EB1C223K | C.CAPACITOR CH 16V 0.022U | 1 | |
| C715 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C716 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C717 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C718 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C719 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C720 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C721 | ECJ0EB1A473K | C.CAPACITOR CH 10V 0.047U | 1 | |
| C722 | F1H1A224A040 | CAPACITOR_CERAMI C | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|---------------------------|-----|---------|
| C723 | F1J1A106A043 | C.CAPACITOR CH 10V 10U | 1 | |
| C724 | F1J1A106A043 | C.CAPACITOR CH 10V 10U | 1 | |
| C725 | ECJ0EC1H101J | C.CAPACITOR CH 50V 100P | 1 | |
| C727 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C728 | F1H1A224A040 | CAPACITOR_CERAMI C | 1 | |
| C729 | F1J1A106A043 | C.CAPACITOR CH 10V 10U | 1 | |
| C730 | F1J1A106A043 | C.CAPACITOR CH 10V 10U | 1 | |
| C731 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C733 | ECJ0EC1H101J | C.CAPACITOR CH 50V 100P | 1 | |
| C734 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C735 | ECJ0EB1A473K | C.CAPACITOR CH 10V 0.047U | 1 | |
| C736 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C737 | F1G1H222A571 | C.CAPACITOR CH 50V 2200P | 1 | |
| C738 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C739 | ECJ0EB1H392K | C.CAPACITOR CH 50V 3900P | 1 | |
| C740 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C742 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C744 | ECJ0EB1H392K | C.CAPACITOR CH 50V 3900P | 1 | |
| C745 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C746 | F1G1H222A571 | C.CAPACITOR CH 50V 2200P | 1 | |
| C747 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C748 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C749 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C750 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C754 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C757 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C758 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C759 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C760 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C762 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C763 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C1411 | F1J0J106A004 | C.CAPACITOR CH 6.3V 10U | 1 | |
| C1431 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C1461 | F1J0J106A004 | C.CAPACITOR CH 6.3V 10U | 1 | |
| C3001 | F1J0J106A004 | C.CAPACITOR CH 6.3V 10U | 1 | |
| C3002 | F3G0J107A017 | C.CAPACITOR CH 6.3V 100U | 1 | |
| C3003 | ECJ2YB0J475K | C.CAPACITOR CH 6.3V 4.7U | 1 | |
| C3004 | ECJ2YB0J475K | C.CAPACITOR CH 6.3V 4.7U | 1 | |
| C3005 | F1J0J106A004 | C.CAPACITOR CH 6.3V 10U | 1 | |
| C3011 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|--------------------------|-----|---------|
| C3012 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3013 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3015 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3016 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3018 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3020 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3021 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3023 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3025 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3026 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3027 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3028 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3030 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3031 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3032 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3033 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3034 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3035 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3037 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3039 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3040 | F1J0J106A004 | C.CAPACITOR CH 6.3V 10U | 1 | |
| C3041 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3042 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3044 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3045 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3046 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3047 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3049 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3051 | ECJ2YB0J475K | C.CAPACITOR CH 6.3V 4.7U | 1 | |
| C3053 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3054 | ECJ2YB0J475K | C.CAPACITOR CH 6.3V 4.7U | 1 | |
| C3056 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3059 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3061 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3062 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3064 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3068 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3073 | ECJ0EC1H220J | C.CAPACITOR CH 50V 22P | 1 | |
| C3077 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3080 | F1G1H560A557 | C.CAPACITOR CH 50V 56P | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|---------------------------|-----|---------|
| C3081 | ECJ0EC1H101J | C.CAPACITOR CH 50V 100P | 1 | |
| C3202 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3203 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3204 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3206 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3208 | F1J1A106A043 | C.CAPACITOR CH 10V 10U | 1 | |
| C3209 | F1J0J106A004 | C.CAPACITOR CH 6.3V 10U | 1 | |
| C3212 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3213 | ECJ0EC1H100D | C.CAPACITOR CH 50V 10P | 1 | |
| C3301 | F1H1C104A075 | C.CAPACITOR CH 16V 0.1U | 1 | |
| C3302 | F1H1C104A075 | C.CAPACITOR CH 16V 0.1U | 1 | |
| C3303 | F1J1A106A043 | C.CAPACITOR CH 10V 10U | 1 | |
| C3304 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3307 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3501 | F1J0J106A004 | C.CAPACITOR CH 6.3V 10U | 1 | |
| C3503 | F1J0J106A004 | C.CAPACITOR CH 6.3V 10U | 1 | |
| C3505 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3506 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3507 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3508 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3509 | F1G0J1050007 | C.CAPACITOR CH 6.3V 1U | 1 | |
| C3510 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3511 | F1G0J1050007 | C.CAPACITOR CH 6.3V 1U | 1 | |
| C3512 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3513 | ECJ0EC1H100D | C.CAPACITOR CH 50V 10P | 1 | |
| C3514 | ECJ0EC1H100D | C.CAPACITOR CH 50V 10P | 1 | |
| C3515 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3516 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C3517 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C3518 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C3519 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C3521 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C4501 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C4502 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C4503 | F3F0J226A055 | E.CAPACITOR CH 6.3V 22U | 1 | |
| C4505 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C4506 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C4507 | ECJ1VB0J474K | C.CAPACITOR CH 6.3V 0.47U | 1 | |
| C4508 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C4509 | F1J1A106A043 | C.CAPACITOR CH 10V 10U | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|---------------------------|-----|---------|
| C4510 | F1J1A2250007 | C.CAPACITOR CH 10V 2.2U | 1 | |
| C4801 | F1G0J1050007 | C.CAPACITOR CH 6.3V 1U | 1 | |
| C4802 | F1G0J1050007 | C.CAPACITOR CH 6.3V 1U | 1 | |
| C4803 | F1J0J106A004 | C.CAPACITOR CH 6.3V 10U | 1 | |
| C4804 | F1G1H471A541 | C.CAPACITOR CH 50V 470P | 1 | |
| C4806 | ECJ0EB1C223K | C.CAPACITOR CH 16V 0.022U | 1 | |
| C4809 | F1G1H471A541 | C.CAPACITOR CH 50V 470P | 1 | |
| C4810 | ECJ0EB1C223K | C.CAPACITOR CH 16V 0.022U | 1 | |
| C4812 | F3F0J226A032 | T.CAPACITOR CH 6.3V 22U | 1 | |
| C8001 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C8002 | F3F0J226A055 | E.CAPACITOR CH 6.3V 22U | 1 | |
| C8004 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C8006 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| C8007 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C8008 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C8009 | F1J1A2250007 | C.CAPACITOR CH 10V 2.2U | 1 | |
| C8010 | ECJ2FB0J225K | C.CAPACITOR CH 6.3V 2.2U | 1 | |
| C8011 | ECJ2FB0J225K | C.CAPACITOR CH 6.3V 2.2U | 1 | |
| C8012 | F1H1A105A036 | C.CAPACITOR CH 10V 1U | 1 | |
| | | | | |
| D301 | MA2S728 | DIODE | 1 | E.S.D. |
| D302 | MA2S111008 | DIODE | 1 | E.S.D. |
| D1411 | MA3S132E0L | DIODE | 1 | E.S.D. |
| D1461 | MA2S111008 | DIODE | 1 | E.S.D. |
| | | | | |
| FP31 | K1MN18A00064 | CONNECTOR 18P | 1 | |
| FP41 | K1MN06BA0089 | CONNECTOR 6P | 1 | |
| FP51 | K1MN22A00065 | CONNECTOR 22P | 1 | |
| FP71 | K1MN33AA0093 | CONNECTOR 33P | 1 | |
| FP81 | K1MN33AA0093 | CONNECTOR 33P | 1 | |
| | | | | |
| IC301 | C0DBGFC00031 | IC | 1 | E.S.D. |
| IC302 | C1AB00003001 | IC | 1 | E.S.D. |
| IC401 | C1AB00003002 | IC | 1 | E.S.D. |
| IC402 | C0JBAB000624 | IC | 1 | E.S.D. |
| IC501 | C1AB00002840 | IC | 1 | E.S.D. |
| IC701 | C1AB00002796 | IC | 1 | E.S.D. |
| IC702 | C0CBCAC00358 | IC | 1 | E.S.D. |
| IC704 | C0DBGFC00030 | IC | 1 | E.S.D. |
| IC3001 | MN2WS0056SP1 | IC | 1 | E.S.D. |
| IC3003 | C0JBAU000024 | IC | 1 | E.S.D. |
| IC3202 | C3ABSJ000010 | DRAM | 1 | E.S.D. |
| IC3203 | LSSK0139 | IC | 1 | E.S.D. |
| IC3301 | C1AB00002996 | IC | 1 | E.S.D. |
| IC3501 | C0JBBS000003 | IC | 1 | E.S.D. |
| IC3502 | C1DB00001579 | IC | 1 | E.S.D. |
| IC3503 | C0BBBA000059 | IC | 1 | E.S.D. |
| IC4801 | C0ABBB000369 | IC | 1 | E.S.D. |
| IC8001 | C1AB00002388 | IC | 1 | E.S.D. |
| | | | | |
| L301 | G1C100KA0031 | COIL | 1 | |
| L302 | DOYAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| L303 | G1C100MA0205 | COIL | 1 | |
| L304 | G1C100KA0031 | COIL | 1 | |
| L401 | VLP0332A420T | FILTER | 1 | |
| L701 | G1C100MA0205 | COIL | 1 | |
| L702 | VLP0332A420T | FILTER | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|------------------------------|-----|----------|
| L3001 | J0JBC0000107 | FILTER | 1 | |
| L3002 | J0JBC0000107 | FILTER | 1 | |
| L3004 | G1C100KA0031 | COIL | 1 | |
| L3005 | G1C100KA0031 | COIL | 1 | |
| L3006 | G1C100MA0205 | COIL | 1 | |
| L3007 | G1C100MA0205 | COIL | 1 | |
| L3008 | J0JCC0000215 | FILTER | 1 | |
| L3201 | J0JBC0000107 | FILTER | 1 | |
| L3202 | J0JHC0000114 | COIL | 1 | |
| L3301 | G1C100KA0031 | COIL | 1 | |
| L3501 | G1C100MA0205 | COIL | 1 | |
| L3502 | J0JBC0000107 | FILTER | 1 | |
| L3503 | G1C10NJ00008 | COIL | 1 | |
| L3504 | G1C10NJ00008 | COIL | 1 | |
| L3505 | G1C10NJ00008 | COIL | 1 | |
| L3506 | G1C10NJ00008 | COIL | 1 | |
| L4501 | J0JBC0000107 | FILTER | 1 | |
| L4502 | G1C470MA0031 | CHIP INDUCTOR 47UH | 1 | |
| L4504 | G1C100KA0031 | COIL | 1 | |
| L8001 | G1C100KA0031 | COIL | 1 | |
| L8002 | G1C100KA0031 | COIL | 1 | |
| | | | | |
| P91 | K1KA02BA0014 | CONNECTOR 2P | 1 | |
| | | | | |
| Q1411 | UNR9114 | TRANSISTOR | 1 | E. S. D. |
| Q1412 | 2SB970-R | TRANSISTOR | 1 | E. S. D. |
| Q1413 | 2SD2216J08 | TRANSISTOR | 1 | E. S. D. |
| Q1431 | B1ADGB000014 | TRANSISTOR | 1 | E. S. D. |
| Q1461 | 2SB1462J08 | TRANSISTOR | 1 | E. S. D. |
| Q1462 | 2SC584600L | TRANSISTOR | 1 | E. S. D. |
| Q3003 | B1GDCFJ0042 | TRANSISTOR- RESISTOR | 1 | E. S. D. |
| Q3004 | B1GDCFJ0042 | TRANSISTOR- RESISTOR | 1 | E. S. D. |
| Q3006 | UNR32A300L | TRANSISTOR- RESISTOR | 1 | E. S. D. |
| Q3007 | UNR32AE00L | TRANSISTOR- RESISTOR | 1 | E. S. D. |
| Q3008 | UNR31A400L | TRANSISTOR- RESISTOR | 1 | E. S. D. |
| Q3009 | UNR32A300L | TRANSISTOR- RESISTOR | 1 | E. S. D. |
| Q3010 | UNR32A500L | TRANSISTOR- RESISTOR | 1 | E. S. D. |
| Q3201 | UNR32A500L | TRANSISTOR- RESISTOR | 1 | E. S. D. |
| Q3501 | 2SC584600L | TRANSISTOR | 1 | E. S. D. |
| Q3502 | 2SB09700RL | TRANSISTOR | 1 | E. S. D. |
| Q4801 | 2SD2216J08 | TRANSISTOR | 1 | E. S. D. |
| Q7802 | XP0450100L | TRANSISTOR | 1 | E. S. D. |
| Q7803 | XP0450100L | TRANSISTOR | 1 | E. S. D. |
| | | | | |
| R316 | ERJ2GEJ333 | M. RESISTOR CH 1/16W 33K | 1 | |
| R317 | ERJ2GEJ104 | M. RESISTOR CH 1/16W 100K | 1 | |
| R318 | ERJ2GEJ470 | M. RESISTOR CH 1/16W 47 | 1 | |
| R321 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R323 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R414 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R415 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R417 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R418 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R419 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R420 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R421 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|------------------------------|-----|--|
| R422 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R423 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R424 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R425 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R426 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | EB, EC, EE, EF, E G, EP, GC9, GJ, GK, GN |
| R427 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | P, PC, PR, PU, GT |
| R501 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R502 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R503 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R506 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R508 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R509 | ERJ2GEJ102X | M. RESISTOR CH 1/16W 1K | 1 | |
| R510 | ERJ2GEJ102X | M. RESISTOR CH 1/16W 1K | 1 | |
| R511 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R514 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R515 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R517 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R701 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R702 | ERJ2RHD682X | M. RESISTOR CH 1/16W 6.8K | 1 | |
| R703 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R704 | ERJ2GEJ153 | M. RESISTOR CH 1/16W 15K | 1 | |
| R705 | ERJ2GEJ223 | M. RESISTOR CH 1/16W 22K | 1 | |
| R706 | DOYAR0000007 | M. RESISTOR CH 1/16W 0 | 1 | |
| R708 | ERJ2GEJ104 | M. RESISTOR CH 1/16W 100K | 1 | |
| R709 | ERJ2GEJ102X | M. RESISTOR CH 1/16W 1K | 1 | |
| R710 | ERJ2GEJ472 | M. RESISTOR CH 1/16W 4.7K | 1 | |
| R711 | ERJ2GEJ473 | M. RESISTOR CH 1/16W 47K | 1 | |
| R714 | ERJ2GEJ103 | M. RESISTOR CH 1/16W 10K | 1 | |
| R715 | ERJ2GEJ103 | M. RESISTOR CH 1/16W 10K | 1 | |
| R716 | ERJ2GEJ104 | M. RESISTOR CH 1/16W 100K | 1 | |
| R717 | ERJ2GED273X | M. RESISTOR CH 1/16W 27K | 1 | |
| R718 | ERJ2GED273X | M. RESISTOR CH 1/16W 27K | 1 | |
| R719 | ERJ2GED273X | M. RESISTOR CH 1/16W 27K | 1 | |
| R720 | ERJ2GEJ683 | M. RESISTOR CH 1/16W 68K | 1 | |
| R721 | ERJ2GEJ153 | M. RESISTOR CH 1/16W 15K | 1 | |
| R722 | ERJ2GEJ153 | M. RESISTOR CH 1/16W 15K | 1 | |
| R723 | ERJ2GEJ102X | M. RESISTOR CH 1/16W 1K | 1 | |
| R724 | ERJ2GEJ102X | M. RESISTOR CH 1/16W 1K | 1 | |
| R725 | ERJ2GEJ274 | M. RESISTOR CH 1/16W 270K | 1 | |
| R726 | ERJ2GEJ394 | M. RESISTOR CH 1/16W 390K | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|-------------|-----------------------------|-----|---------|
| R727 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R730 | ERJ2GED273X | M.RESISTOR CH 1/16W 27K | 1 | |
| R731 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R732 | ERJ2GEJ394 | M.RESISTOR CH 1/16W 390K | 1 | |
| R733 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R736 | ERJ2GEJ392 | M.RESISTOR CH 1/16W 3.9K | 1 | |
| R737 | ERJ2GEJ274 | M.RESISTOR CH 1/16W 270K | 1 | |
| R738 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R739 | ERJ2GEJ153 | M.RESISTOR CH 1/16W 15K | 1 | |
| R740 | ERJ2GEJ153 | M.RESISTOR CH 1/16W 15K | 1 | |
| R741 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R742 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R743 | ERJ2GEJ393 | M.RESISTOR CH 1/16W 39K | 1 | |
| R744 | ERJ2GEJ182 | M.RESISTOR CH 1/16W 1.8K | 1 | |
| R745 | ERJ2GEJ393 | M.RESISTOR CH 1/16W 39K | 1 | |
| R746 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R747 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R748 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R749 | ERJ2GEJ393 | M.RESISTOR CH 1/16W 39K | 1 | |
| R750 | ERJ2GEJ393 | M.RESISTOR CH 1/16W 39K | 1 | |
| R751 | ERJ2GEJ182 | M.RESISTOR CH 1/16W 1.8K | 1 | |
| R752 | ERJ2GEJ472 | M.RESISTOR CH 1/16W 4.7K | 1 | |
| R753 | ERJ2RHD472X | M.RESISTOR CH 1/16W 4.7K | 1 | |
| R754 | ERJ2RHD472X | M.RESISTOR CH 1/16W 4.7K | 1 | |
| R763 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R764 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R765 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R769 | ERJ2GEJ153 | M.RESISTOR CH 1/16W 15K | 1 | |
| R770 | ERJ2GEJ153 | M.RESISTOR CH 1/16W 15K | 1 | |
| R1411 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R1412 | ERJ2GEJ152 | M.RESISTOR CH 1/16W 1.5K | 1 | |
| R1413 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R1414 | ERJ2GEJ332 | M.RESISTOR CH 1/16W 3.3K | 1 | |
| R1431 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R1432 | ERJ2GEJ472 | M.RESISTOR CH 1/16W 4.7K | 1 | |
| R1461 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R1462 | ERJ2GEJ223 | M.RESISTOR CH 1/16W 22K | 1 | |
| R1463 | ERJ2GEJ224 | M.RESISTOR CH 1/16W 220K | 1 | |
| R1464 | ERJ2GEJ183 | M.RESISTOR CH 1/16W 18K | 1 | |
| R3001 | ERJ2RKD390 | M.RESISTOR CH 1/16W 39 | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|-----------------------------|-----|---------|
| R3002 | ERJ2RKD390 | M.RESISTOR CH 1/16W 39 | 1 | |
| R3005 | ERJ2RHD103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3006 | ERJ2RHD152 | M.RESISTOR CH 1/16W 1.5K | 1 | |
| R3013 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3015 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R3017 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3022 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3023 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3029 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3030 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3037 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3042 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3044 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3045 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3046 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3047 | ERJ2RHD361 | M.RESISTOR CH 1/16W 360 | 1 | |
| R3048 | ERJ2RHD361 | M.RESISTOR CH 1/16W 360 | 1 | |
| R3049 | ERJ2RHD333X | M.RESISTOR CH 1/16W 33K | 1 | |
| R3054 | ERJ2RHD103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3055 | ERJ2RHD183 | M.RESISTOR CH 1/16W 18K | 1 | |
| R3060 | D1H86824A024 | RESISTOR | 1 | |
| R3061 | D1H86824A024 | RESISTOR | 1 | |
| R3062 | D1H86824A024 | RESISTOR | 1 | |
| R3063 | D1H86824A024 | RESISTOR | 1 | |
| R3070 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3071 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3084 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3085 | ERJ2GEJ562 | M.RESISTOR CH 1/16W 5.6K | 1 | |
| R3086 | ERJ2GEJ472 | M.RESISTOR CH 1/16W 4.7K | 1 | |
| R3087 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3091 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3117 | ERJ2RKD330 | M.RESISTOR CH 1/16W 33 | 1 | |
| R3118 | ERJ2RKD330 | M.RESISTOR CH 1/16W 33 | 1 | |
| R3119 | ERJ2RKD330 | M.RESISTOR CH 1/16W 33 | 1 | |
| R3120 | ERJ2RKD330 | M.RESISTOR CH 1/16W 33 | 1 | |
| R3121 | ERJ2RKD330 | M.RESISTOR CH 1/16W 33 | 1 | |
| R3122 | ERJ2GEJ220 | M.RESISTOR CH 1/16W 22 | 1 | |
| R3123 | ERJ2GEJ220 | M.RESISTOR CH 1/16W 22 | 1 | |
| R3124 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |
| R3125 | ERJ2GEJ220 | M.RESISTOR CH 1/16W 22 | 1 | |
| R3126 | ERJ2RKD330 | M.RESISTOR CH 1/16W 33 | 1 | |
| R3127 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|-----------------------------|-----|---------|
| R3128 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |
| R3129 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3131 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3134 | ERJ6GEY0R00V | M.RESISTOR CH 1/10W 0 | 1 | |
| R3135 | ERJ6GEY0R00V | M.RESISTOR CH 1/10W 0 | 1 | |
| R3139 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3140 | ERJ2RKD330 | M.RESISTOR CH 1/16W 33 | 1 | |
| R3144 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3145 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3154 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3159 | ERJ2RKD330 | M.RESISTOR CH 1/16W 33 | 1 | |
| R3160 | ERJ2RKD330 | M.RESISTOR CH 1/16W 33 | 1 | |
| R3161 | ERJ2RKD330 | M.RESISTOR CH 1/16W 33 | 1 | |
| R3162 | ERJ2RKD330 | M.RESISTOR CH 1/16W 33 | 1 | |
| R3163 | ERJ2RKD330 | M.RESISTOR CH 1/16W 33 | 1 | |
| R3164 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |
| R3168 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3171 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R3174 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3175 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3176 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3177 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3178 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3179 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3180 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3183 | ERJ2GEJ152 | M.RESISTOR CH 1/16W 1.5K | 1 | |
| R3184 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3188 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3189 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3194 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3197 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3199 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3218 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3223 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3301 | ERJ2RHD103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3302 | ERJ2RKD680 | M.RESISTOR CH 1/16W 68 | 1 | |
| R3303 | ERJ2RHD472X | M.RESISTOR CH 1/16W 4.7K | 1 | |
| R3304 | ERJ3GEY0R00 | M.RESISTOR CH 1/10W 0 | 1 | |
| R3305 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R3501 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|-------------|-----------------------------|-----|---------|
| R3502 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3503 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |
| R3504 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3505 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3506 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3507 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |
| R3508 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |
| R3509 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3510 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |
| R3511 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3512 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3513 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3514 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3515 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3516 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |
| R3517 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3518 | ERJ2RHD622 | M.RESISTOR CH 1/16W 6.2K | 1 | |
| R3519 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |
| R3520 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3521 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3522 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3523 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3524 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3525 | ERJ2GEJ220 | M.RESISTOR CH 1/16W 22 | 1 | |
| R3526 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3527 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3528 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3529 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3530 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3532 | ERJ2GEJ121 | M.RESISTOR CH 1/16W 120 | 1 | |
| R3533 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |
| R3537 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3538 | ERJ2GEJ220 | M.RESISTOR CH 1/16W 22 | 1 | |
| R3539 | ERJ2GEJ220 | M.RESISTOR CH 1/16W 22 | 1 | |
| R3540 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |
| R3541 | ERJ2GEJ820 | M.RESISTOR CH 1/16W 82 | 1 | |
| R3544 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3546 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R3552 | ERJ6GEYJ1R0 | M.RESISTOR CH 1/10W 1 | 1 | |
| R3553 | ERJ2GED683X | M.RESISTOR CH 1/16W 68K | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|--------------------------|-----|---------|
| R3554 | ERJ2RHD104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3555 | ERJ2GED683X | M.RESISTOR CH 1/16W 68K | 1 | |
| R3556 | ERJ2RHD104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3557 | ERJ2RHD912 | M.RESISTOR CH 1/16W 9.1K | 1 | |
| R3558 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R3559 | ERJ2GEJ104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R3560 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R3562 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3563 | ERJ2GEJ393 | M.RESISTOR CH 1/16W 39K | 1 | |
| R3564 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R3570 | ERJ2GEJ101 | M.RESISTOR CH 1/16W 100 | 1 | |
| R4501 | ERJ3GEYJ100 | M.RESISTOR CH 1/10W 10 | 1 | |
| R4502 | ERJ2GEJ561 | M.RESISTOR CH 1/16W 560 | 1 | |
| R4503 | ERJ2GEJ561 | M.RESISTOR CH 1/16W 560 | 1 | |
| R4802 | ERJ2GEJ472 | M.RESISTOR CH 1/16W 4.7K | 1 | |
| R4803 | ERJ2GEJ223 | M.RESISTOR CH 1/16W 22K | 1 | |
| R4804 | ERJ2GEJ333 | M.RESISTOR CH 1/16W 33K | 1 | |
| R4805 | ERJ2GEJ154 | M.RESISTOR CH 1/16W 150K | 1 | |
| R4806 | ERJ2GEJ183 | M.RESISTOR CH 1/16W 18K | 1 | |
| R4807 | ERA3YED392V | M.RESISTOR 1/16W 3.9K | 1 | |
| R4808 | ERJ2GEJ154 | M.RESISTOR CH 1/16W 150K | 1 | |
| R4809 | ERJ2GEJ183 | M.RESISTOR CH 1/16W 18K | 1 | |
| R4810 | ERA3YED392V | M.RESISTOR 1/16W 3.9K | 1 | |
| R8001 | ERJ2RHD511 | M.RESISTOR CH 1/16W 510 | 1 | |
| R8002 | ERJ2RHD102X | RESISTOR | 1 | |
| R8003 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R8004 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R8005 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R8008 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R9012 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R9013 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R9014 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R9033 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R9034 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R9036 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R9037 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R9038 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R9039 | ERJ6GEYJ221V | M.RESISTOR CH 1/10W 220 | 1 | |
| R9040 | ERJ6GEYJ221V | M.RESISTOR CH 1/10W 220 | 1 | |
| X401 | H0J360500014 | CRYSTAL OSCILLATOR | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|-------------------------|-----|------------------------------------|
| X3501 | H0J120500062 | CRYSTAL OSCILLATOR | 1 | |
| ■ | LSEP8474A1 | SUB P.C.B. | | (RTL) E.S.D. P, PC, PR, PU |
| ■ | LSEP8474C1 | SUB P.C.B. | | GT |
| ■ | LSEP8474R1 | SUB P.C.B. | | (RTL) E.S.D. P, EB, EC, EF, EG, EP |
| ■ | LSEP8474P1 | SUB P.C.B. | | (RTL) E.S.D. EE, GC9, GJ, GK, GN |
| B9002 | K1KBC0A00037 | CONNECTOR | 1 | |
| C1001 | ECJ2FB0J106K | C.CAPACITOR CH 6.3V 10U | 1 | |
| C1011 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1012 | ECJ2FB0J106K | C.CAPACITOR CH 6.3V 10U | 1 | |
| C1013 | ECJ0EC1H220J | C.CAPACITOR CH 50V 22P | 1 | |
| C1014 | ECJ2FB0J106K | C.CAPACITOR CH 6.3V 10U | 1 | |
| C1021 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1022 | ECJ2FB0J106K | C.CAPACITOR CH 6.3V 10U | 1 | |
| C1024 | ECJ2FB0J106K | C.CAPACITOR CH 6.3V 10U | 1 | |
| C1031 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1032 | ECJ2FB0J106K | C.CAPACITOR CH 6.3V 10U | 1 | |
| C1034 | ECJ2FB0J106K | C.CAPACITOR CH 6.3V 10U | 1 | |
| C1051 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1052 | ECJ2FB0J106K | C.CAPACITOR CH 6.3V 10U | 1 | |
| C1061 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1062 | F1J1C335A121 | C.CAPACITOR CH 16V 3.3U | 1 | |
| C1066 | ECJ2FB1E105K | C.CAPACITOR CH 25V 1U | 1 | |
| C1081 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1082 | ECJ2FB1A475K | C.CAPACITOR CH 10V 4.7U | 1 | |
| C1101 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1103 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1105 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C1106 | F1G0J1050007 | C.CAPACITOR CH 6.3V 1U | 1 | |
| C1109 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1110 | ECJ2FB0J106K | C.CAPACITOR CH 6.3V 10U | 1 | |
| C1211 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1213 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1218 | F3F0J106A055 | E.CAPACITOR CH 6.3V 10U | 1 | |
| C1225 | ECJ2FB1E105K | C.CAPACITOR CH 25V 1U | 1 | |
| C1227 | ECJ2FB1E105K | C.CAPACITOR CH 25V 1U | 1 | |
| C1231 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1232 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1233 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|--------------------------|-----|---------|
| C1237 | ECJ2YB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1238 | F3F0J106A055 | E.CAPACITOR CH 6.3V 10U | 1 | |
| C1251 | ECJ2YB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1256 | F3F0J106A055 | E.CAPACITOR CH 6.3V 10U | 1 | |
| C1271 | ECJ1VB1C105K | C.CAPACITOR CH 16V 1U | 1 | |
| C1321 | F3F1A106A026 | C.CAPACITOR 10V 10U | 1 | |
| C1322 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1323 | F3F0J106A055 | E.CAPACITOR CH 6.3V 10U | 1 | |
| C1324 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1361 | ECJ1VB1C105K | C.CAPACITOR CH 16V 1U | 1 | |
| C1393 | ECJ0EB1E472K | C.CAPACITOR CH 25V 4700P | 1 | |
| C1501 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1502 | F1G1A104A012 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C1503 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C1504 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C1505 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1507 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1508 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C1510 | F1H1V105A001 | C.CAPACITOR CH 35V 1U | 1 | |
| C6001 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6002 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6003 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6004 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6005 | F1G0J1050007 | C.CAPACITOR CH 6.3V 1U | 1 | |
| C6006 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6007 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6008 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6009 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C6010 | F3F0J226A055 | E.CAPACITOR CH 6.3V 22U | 1 | |
| C6011 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C6012 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6013 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6014 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6015 | ECJ0EC1H180J | C.CAPACITOR CH 50V 18P | 1 | |
| C6016 | ECJ0EC1H220J | C.CAPACITOR CH 50V 22P | 1 | |
| C6017 | ECJ0EB1C103K | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6018 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C6019 | ECJ0EB1C103K | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6020 | F1G1C1030008 | C.CAPACITOR CH 16V 0.01U | 1 | |
| C6021 | ECJ0EB1C103K | C.CAPACITOR CH 16V 0.01U | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|--------------------------|-----|---------|
| C6022 | ECJ1VB0J475K | C.CAPACITOR CH 6.3V 4.7U | 1 | |
| C6201 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C6202 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C6203 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C6204 | F1G0J1050007 | C.CAPACITOR CH 6.3V 1U | 1 | |
| C6205 | F1G0J1050007 | C.CAPACITOR CH 6.3V 1U | 1 | |
| C6206 | ECJ0EB1C103K | C.CAPACITOR CH 16V 0.01U | 1 | |
| C9901 | F1G1A1040006 | C.CAPACITOR CH 10V 0.1U | 1 | |
| C9902 | ECJ1VB1A105K | C.CAPACITOR CH 10V 1U | 1 | |
| C9903 | ECJ0EB1H332K | C.CAPACITOR CH 50V 3300P | 1 | |
| C9904 | ECJ0EB1H332K | C.CAPACITOR CH 50V 3300P | 1 | |
| C9905 | D4ED1120A005 | VARISTOR | 1 | |
| D1061 | MA21D382GL | DIODE | 1 | E.S.D. |
| D1081 | MA21D382GL | DIODE | 1 | E.S.D. |
| D1101 | MA21D382GL | DIODE | 1 | E.S.D. |
| D1221 | MA21D382GL | DIODE | 1 | E.S.D. |
| D1222 | MA21D382GL | DIODE | 1 | E.S.D. |
| D1501 | B0JCMC000006 | DIODE | 1 | E.S.D. |
| D1502 | B0ECKP000002 | DIODE | 1 | E.S.D. |
| D1503 | D4ED1270A011 | VARISTORS | 1 | E.S.D. |
| D1504 | D4ED1270A011 | VARISTORS | 1 | E.S.D. |
| D1505 | D4ED1270A011 | VARISTORS | 1 | E.S.D. |
| D6001 | MA2J11100L | DIODE | 1 | E.S.D. |
| D6002 | MA3S132E0L | DIODE | 1 | E.S.D. |
| D6201 | MA2SD3200L | DIODE | 1 | E.S.D. |
| D6202 | MA2SD3200L | DIODE | 1 | E.S.D. |
| D9901 | B3AAB0000137 | DIODE | 1 | E.S.D. |
| FP11 | K1MN18BA0089 | CONNECTOR 18P | 1 | |
| FP61 | K1MN16AA0018 | CONNECTOR 16P | 1 | |
| IC1001 | C1ZBZ0003955 | IC | 1 | E.S.D. |
| IC1321 | C0CBABD00060 | IC | 1 | E.S.D. |
| IC1501 | C0DBDGF00001 | IC | 1 | E.S.D. |
| IC1502 | C0ZBZ0001652 | IC | 1 | E.S.D. |
| IC6001 | C2DBMK000069 | IC | 1 | E.S.D. |
| IC6002 | C0EBC0000208 | IC | 1 | E.S.D. |
| IC6003 | C0DBAFF00016 | IC | 1 | E.S.D. |
| IC6004 | C3EBJC000098 | EEPROM | 1 | E.S.D. |
| IC6201 | C1ZBZ0003465 | IC | 1 | E.S.D. |
| IC6202 | C0DBGYY00013 | IC | 1 | E.S.D. |
| IC6203 | C0EBD0000150 | IC | 1 | E.S.D. |
| IC6204 | C0JBAR000432 | IC | 1 | E.S.D. |
| IP1501 | K5H4021A0011 | IC PROTECTOR | 1 | △ |
| IP1502 | K5H4021A0011 | IC PROTECTOR | 1 | △ |
| JK1001 | K2EB2B000023 | JK,DC IN | 1 | |
| JK9902 | K2HZ105E0013 | JK,USB | 1 | |
| JK9903 | K2HC104E0019 | JK,A/V | 1 | |
| L1021 | G1C4R7MA0203 | COIL 4.7UH | 1 | |
| L1030 | ERJ6GEY0R00V | M.RESISTOR CH 1/10W 0 | 1 | |
| L1031 | G1C100MA0024 | CHIP INDUCTOR 10UH | 1 | |
| L1051 | G1C100MA0024 | CHIP INDUCTOR 10UH | 1 | |
| L1061 | G1C330MA0203 | COIL 33UH | 1 | |
| L1062 | G1C4R7MA0024 | COIL 4.7UH | 1 | |
| L1211 | G1C4R7MA0031 | COIL 4.7UH | 1 | |
| L1213 | G1C4R7MA0031 | COIL 4.7UH | 1 | |
| L1231 | J0JGC0000034 | COIL | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|--------------------------|-----|---------|
| L1232 | G1C100K00020 | CHIP INDUCTOR 10UH | 1 | |
| L1233 | G1C4R7MA0031 | COIL 4.7UH | 1 | |
| L1236 | G1C4R7MA0031 | COIL 4.7UH | 1 | |
| L1251 | ERJ8GEY0R00 | M.RESISTOR CH 1/8W 0 | 1 | |
| L1261 | ERJ6GEY0R00V | M.RESISTOR CH 1/10W 0 | 1 | |
| L1271 | G1C100KA0031 | COIL | 1 | |
| L1281 | G1C4R7MA0203 | COIL 4.7UH | 1 | |
| L1321 | G1C4R7MA0031 | COIL 4.7UH | 1 | |
| L1501 | VLP0332A420T | FILTER | 1 | |
| L1502 | VLP0332A420T | FILTER | 1 | |
| L6001 | G1C100KA0031 | COIL | 1 | |
| L9903 | J0MAB0000212 | FILTER | 1 | |
| L9904 | J0JBC0000107 | FILTER | 1 | |
| L9905 | J0JBC0000107 | FILTER | 1 | |
| L9906 | J0JBC0000107 | FILTER | 1 | |
| Q1001 | UNR31AT00L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q1002 | UNR32AL00L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q1003 | UNR32AL00L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q1081 | B1DHBC000008 | TRANSISTOR | 1 | E.S.D. |
| Q1361 | 2SA207800L | TRANSISTOR | 1 | E.S.D. |
| Q1362 | XP0150100L | TRANSISTOR | 1 | E.S.D. |
| Q1501 | UNR32A400L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q1503 | UNR32A400L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q1504 | UNR32A400L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q1505 | UNR32A400L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q1506 | UNR32A400L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q1507 | B1MBDBA00002 | TRANSISTOR | 1 | E.S.D. |
| Q1508 | B1DFDD000019 | TRANSISTOR | 1 | E.S.D. |
| Q6001 | UNR31A500L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q6002 | UNR31A500L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q6003 | UNR31A500L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q6004 | 2SD1819AWL | TRANSISTOR | 1 | E.S.D. |
| Q6201 | UNR31A300L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q6202 | UNR31A300L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| Q6203 | UNR31A300L | TRANSISTOR-RESISTOR | 1 | E.S.D. |
| R1001 | D1JB1R26A005 | RESISTOR | 1 | △ |
| R1002 | D1JBR102A006 | RESISTOR 1/16W 1K | 1 | △ |
| R1003 | D1JBR135A006 | RESISTOR 1/16W 1.3M | 1 | △ |
| R1005 | ERJ2GEJ122 | M.RESISTOR CH 1/16W 1.2K | 1 | |
| R1010 | D1JBR036A006 | RESISTOR | 1 | △ |
| R1011 | ERJ2RKD274 | M.RESISTOR CH 1/16W 270K | 1 | |
| R1012 | ERJ2RHD912 | M.RESISTOR CH 1/16W 9.1K | 1 | |
| R1013 | ERJ2RHD563 | M.RESISTOR CH 1/16W 56K | 1 | |
| R1015 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R1020 | D1JBR102A006 | RESISTOR 1/16W 1K | 1 | △ |
| R1021 | ERJ2RKD334 | M.RESISTOR CH 1/16W 330K | 1 | |
| R1022 | DOYAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R1023 | ERJ2RKD244 | M.RESISTOR CH 1/16W 240K | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|--------------------------|-----|---------|
| R1030 | D1JBR102A006 | RESISTOR 1/16W 1K | 1 | △ |
| R1031 | ERJ2RKD124 | M.RESISTOR CH 1/16W 120K | 1 | |
| R1032 | ERJ2RHD243 | M.RESISTOR CH 1/16W 24K | 1 | |
| R1033 | ERJ2RHD563 | M.RESISTOR CH 1/16W 56K | 1 | |
| R1050 | D1JBR102A006 | RESISTOR 1/16W 1K | 1 | △ |
| R1051 | ERJ2RHD104 | M.RESISTOR CH 1/16W 100K | 1 | |
| R1052 | DOYAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R1053 | ERJ2RKD204 | M.RESISTOR CH 1/16W 200K | 1 | |
| R1061 | ERJ2RKD754 | M.RESISTOR CH 1/16W 750K | 1 | |
| R1062 | DOYAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R1063 | ERJ2GED683X | M.RESISTOR CH 1/16W 68K | 1 | |
| R1102 | ERJ2RHD623 | M.RESISTOR CH 1/16W 62K | 1 | |
| R1108 | DOYAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R1114 | ERJ2GEJ101 | M.RESISTOR CH 1/16W 100 | 1 | |
| R1233 | ERJ3GEY0R00 | M.RESISTOR CH 1/10W 0 | 1 | |
| R1361 | ERJ2RHD203 | M.RESISTOR CH 1/16W 20K | 1 | |
| R1362 | ERJ2RHD182 | M.RESISTOR CH 1/16W 1.8K | 1 | |
| R1363 | ERJ2RHD472X | M.RESISTOR CH 1/16W 4.7K | 1 | |
| R1364 | ERJ2GEJ472 | M.RESISTOR CH 1/16W 4.7K | 1 | |
| R1365 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R1376 | DOYAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R1391 | ERJ2RHD203 | M.RESISTOR CH 1/16W 20K | 1 | |
| R1392 | ERJ2RHD753 | M.RESISTOR CH 1/16W 75K | 1 | |
| R1393 | ERJ2RHD753 | M.RESISTOR CH 1/16W 75K | 1 | |
| R1479 | DOYAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R1480 | DOYAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R1500 | ERJ6GEY0R00B | 1/10W 0 | 1 | |
| R1501 | ERJ14BQFR30U | RESISTOR | 1 | |
| R1502 | ERJ2RHD203 | M.RESISTOR CH 1/16W 20K | 1 | |
| R1503 | ERJ2RHD183 | M.RESISTOR CH 1/16W 18K | 1 | |
| R1504 | ERJ2RKD224 | M.RESISTOR CH 1/16W 220K | 1 | |
| R1505 | ERJ2RKD184 | M.RESISTOR CH 1/16W 180K | 1 | |
| R1506 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R1507 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R1508 | ERJ2GEJ334 | M.RESISTOR CH 1/16W 330K | 1 | |
| R1510 | ERJ2GEJ154 | M.RESISTOR CH 1/16W 150K | 1 | |
| R1511 | ERJ2RKD224 | M.RESISTOR CH 1/16W 220K | 1 | |
| R1512 | ERJ2RKD184 | M.RESISTOR CH 1/16W 180K | 1 | |
| R1513 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R1515 | ERJ2RHD562 | M.RESISTOR CH 1/16W 5.6K | 1 | |
| R1516 | ERJ2RHD222 | M.RESISTOR CH 1/16W 2.2K | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|-----------------------------|-----|--|
| R1517 | ERJ2RHD562 | M.RESISTOR CH 1/16W 5.6K | 1 | |
| R1518 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R1519 | ERJ2GEJ472 | M.RESISTOR CH 1/16W 4.7K | 1 | |
| R1520 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R1521 | ERJ2GEJ472 | M.RESISTOR CH 1/16W 4.7K | 1 | |
| R1522 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R1523 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R1524 | D1JBR102A006 | RESISTOR 1/16W 1K | 1 | △ |
| R6002 | ERJ2GEJ105 | M.RESISTOR CH 1/16W 1M | 1 | |
| R6003 | D1H81054A024 | RESISTOR | 1 | |
| R6004 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R6005 | ERJ2GEJ105 | M.RESISTOR CH 1/16W 1M | 1 | |
| R6006 | ERJ2GEJ181 | M.RESISTOR CH 1/16W 180 | 1 | |
| R6007 | ERJ2GEJ181 | M.RESISTOR CH 1/16W 180 | 1 | |
| R6008 | ERJ2GEJ181 | M.RESISTOR CH 1/16W 180 | 1 | |
| R6009 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R6010 | ERJ2GEJ332 | M.RESISTOR CH 1/16W 3.3K | 1 | |
| R6011 | ERJ2GEJ332 | M.RESISTOR CH 1/16W 3.3K | 1 | |
| R6012 | D1H83324A013 | RESISTOR | 1 | |
| R6013 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6014 | D1H84724A024 | RESISTOR | 1 | |
| R6015 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6016 | ERJ2GEJ393 | M.RESISTOR CH 1/16W 39K | 1 | |
| R6017 | ERJ2GEJ152 | M.RESISTOR CH 1/16W 1.5K | 1 | |
| R6018 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R6019 | ERJ2GEJ105 | M.RESISTOR CH 1/16W 1M | 1 | |
| R6020 | ERJ2GEJ101 | M.RESISTOR CH 1/16W 100 | 1 | |
| R6021 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | EB,EC,EF,EG,E P |
| R6022 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | P,PC,PR,PU,GT ,EE,GC9, GJ,GK,GN |
| R6023 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | P,PC,PR,PU,GT |
| R6024 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | EB,EC,EE,EF,E G,EP,GC9, GJ,GK,GN |
| R6025 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | GT |
| R6026 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | P,PC,PR,PU,EB ,EC,EE, EF,EG,EP,GC9, GJ,GK,GN, |
| R6028 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R6029 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | GT,EB,EC,EF,E G,EP |
| R6030 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | P,PC,PR,PU,EE ,GC9,GJ, GK,GN |
| R6031 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R6032 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R6038 | ERJ2GEJ332 | M.RESISTOR CH 1/16W 3.3K | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|-----------------------------|-----|---------|
| R6039 | ERJ2GEJ332 | M.RESISTOR CH 1/16W 3.3K | 1 | |
| R6041 | ERJ2GEJ183 | M.RESISTOR CH 1/16W 18K | 1 | |
| R6042 | ERJ2GEJ223 | M.RESISTOR CH 1/16W 22K | 1 | |
| R6043 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R6044 | ERJ2GEJ273 | M.RESISTOR CH 1/16W 27K | 1 | |
| R6045 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6046 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R6047 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6048 | ERJ2RHD103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6049 | ERJ2GEJ332 | M.RESISTOR CH 1/16W 3.3K | 1 | |
| R6050 | ERJ2GEJ273 | M.RESISTOR CH 1/16W 27K | 1 | |
| R6052 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R6053 | ERJ2GEJ823 | M.RESISTOR CH 1/16W 82K | 1 | |
| R6054 | ERJ2GEJ392 | M.RESISTOR CH 1/16W 3.9K | 1 | |
| R6055 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6056 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R6057 | ERJ2GEJ183 | M.RESISTOR CH 1/16W 18K | 1 | |
| R6058 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R6059 | ERJ2GEJ183 | M.RESISTOR CH 1/16W 18K | 1 | |
| R6060 | ERJ2RHD103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6061 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6062 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6063 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6064 | EXB28V103JX | RESISTOR ARRAY | 1 | |
| R6067 | ERJ2RHD272 | M.RESISTOR CH 1/16W 2.7K | 1 | |
| R6068 | ERJ2GEJ562 | M.RESISTOR CH 1/16W 5.6K | 1 | |
| R6069 | ERJ2GEJ183 | M.RESISTOR CH 1/16W 18K | 1 | |
| R6070 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6071 | EXB28VR000X | RESISTOR ARRAY | 1 | |
| R6072 | EXB28VR000X | RESISTOR ARRAY | 1 | |
| R6073 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R6074 | ERJ2GEJ473 | M.RESISTOR CH 1/16W 47K | 1 | |
| R6075 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R6201 | ERJ2GEJ102X | M.RESISTOR CH 1/16W 1K | 1 | |
| R6202 | ERJ2GEJ274 | M.RESISTOR CH 1/16W 270K | 1 | |
| R6203 | ERJ2GED563X | M.RESISTOR CH 1/16W 56K | 1 | |
| R6204 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6205 | ERJ2GEJ103 | M.RESISTOR CH 1/16W 10K | 1 | |
| R6206 | ERJ2GEJ243 | M.RESISTOR CH 1/16W 24K | 1 | |
| R6207 | ERJ2GEJ101 | M.RESISTOR CH 1/16W 100 | 1 | |
| R6209 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|----------|--------------|-----------------------------|-----|---------|
| R9901 | ERJ2GEJ101 | M.RESISTOR CH 1/16W 100 | 1 | |
| R9906 | D1JBR102A006 | RESISTOR 1/16W 1K | 1 | △ |
| R9907 | ERJ2GEJ392 | M.RESISTOR CH 1/16W 3.9K | 1 | |
| R9909 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| R9910 | D0YAR0000007 | M.RESISTOR CH 1/16W 0 | 1 | |
| | | | | |
| SW6001 | K0H1BA000580 | SWITCH | 1 | |
| SW6002 | K0H1BA000580 | SWITCH | 1 | |
| SW6004 | K0H1BA000580 | SWITCH | 1 | |
| SW9901 | ESE18L62B | SWITCH | 1 | |
| | | | | |
| X6001 | H0J135500031 | CRYSTAL OSCILLATOR | 1 | |
| X6201 | H0J327200085 | CRYSTAL OSCILLATOR | 1 | |
| | | | | |