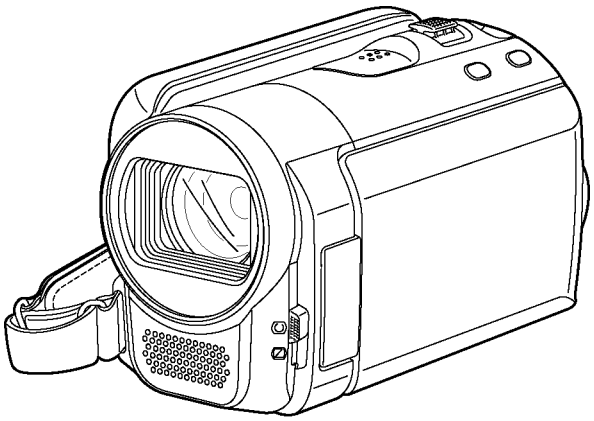
ORDER NO.VM1101004CE
B27

Service Manual

SD / HDD Video Camera

Model No. **SDR-H100P**
SDR-H100PC
SDR-H100EB
SDR-H100EC
SDR-H100EE
SDR-H100EF
SDR-H100EG
SDR-H100EP
SDR-H100GT
SDR-H101EB
SDR-H101PR
SDR-H101PU
SDR-H101GA
SDR-H101GC
SDR-H101GK
SDR-H101GN



The illustration shows the image of SDR-H100.

VOL.2

Colours
(K).....Black Type (except SDR-H101EB)
(S).....Silver Type (only SDR-H100P/PC/GT, H101PU/GA/GC)
(R).....Red Type (only SDR-H100P/PC/GT,101PU/GA/GC/GK/GN)
(H).....Gray Type (only SDR-H101EB)

Panasonic

⚠ 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.

TABLE OF CONTENTS

1 Safety Precautions

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. It 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 ⚠ 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/GC/GA)

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.

ASTA mark	BSI mark

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 safety.
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.

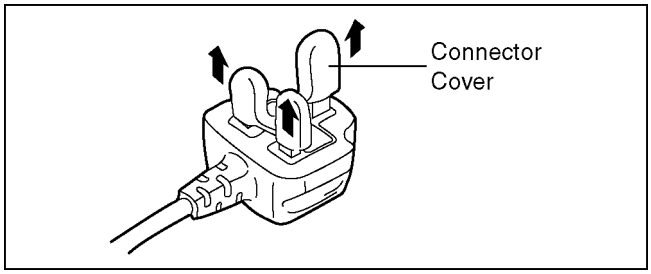
The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

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.

Earth Symbol	⏚

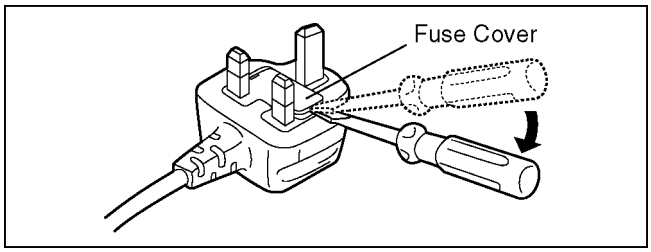
2.3.2.2. Before use

remove the Connector Cover as follows.

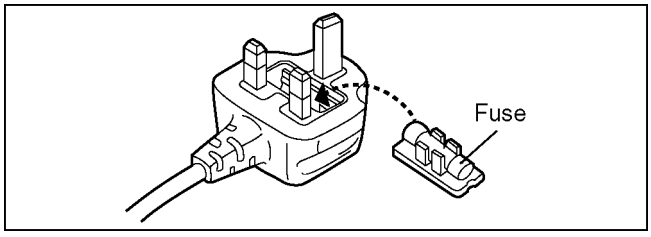


2.3.2.3. How to replace the Fuse

1. Remove the Fuse Cover with a screwdriver.



2. Replace the fuse and attach the Fuse cover.



3 Specifications

SD/HDD Video Camera

<table>
<tr><th colspan="2">ITEM</th><th>SPECIFICATION</th></tr>
<tr><td colspan="2">POWER</td><td>SD/HDD Video Camera:
Power Source: DC 5.0 V (When using AC adaptor)
DC 3.6 V (When using battery)
Power Consumption: 3.6 W (Recording; SDR-H100)
3.8 W (Recording; SDR-H101)
7.7 W (Charging)
AC Adaptor:
Power Source: AC 110-240 V, 50/60 Hz
Power Consumption: 12 W
DC Output: DC 5.0V, 1.6 A
(Unit Operation)</td></tr>
<tr><td rowspan="2">RECORDING FORMAT</td><td>SD Card</td><td>Based on the SD-Video standard</td></tr>
<tr><td>HDD</td><td>Independent standard</td></tr>
<tr><td colspan="2" rowspan="4">CAMERA</td><td>Zoom: 70X optical, 78X enhanced Optical,
100X/3500X digital</td></tr>
<tr><td>Monitor: 2.7 - inch (6.7 cm) wide LCD
(approx. 123K pixels)</td></tr>
<tr><td>Lens: Auto Iris, F1.9 - F5.7, Focal Length; 1.48 - 104 mm
Macro (Wide Range AF)</td></tr>
<tr><td>Image Sensor: 1/8 - inch (1/8 type) CCD Image Sensor</td></tr>
<tr><td colspan="2" rowspan="2">VIDEO</td><td>Television System :
EIA Standard : 525 Lines, 60 Fields NTSC Colour Signal
(SDR-H100P/PC/GT, H101PR/PU)
CCIR : 625 Lines, 50 Fields PAL Colour Signal
(Except SDR-H100P/PC/GT, H101PR/PU)</td></tr>
<tr><td>Video Output Level: 1.0 Vp-p, 75 ohm, NTSC/PAL System
(AV Multi Jack)</td></tr>
<tr><td colspan="2">AUDIO</td><td>Audio Output Level (Line): 316 mV, 600 ohm, 2 ch
(AV Multi Jack)</td></tr>
<tr><td colspan="2">MOTION PICTURES</td><td>Recording media:
SD Memory Card (removable type) :
512 MB/1 GB/2 GB
(FAT12 and FAT16 system compliant)
SDHC Memory Card (removable type) :
4 GB /6 GB /8 GB /12 GB /16 GB /32 GB
(FAT32 system compliant)
SDXC Memory Card (removable type) :
48 GB /64 GB
(exFAT system compliant)
HDD (fixed type): 80 GB
Compression: MPEG-2
Recoding mode and transfer rate:
XP: Approx. 10 Mbps (VBR)
SP: Approx. 5 Mbps (VBR)
LP: Approx. 2.5 Mbps (VBR)
Recordable time:
Approx.
<table>
<tr><th></th><th>SD Card (4GB)</th><th>HDD (80GB)</th></tr>
<tr><td>XP</td><td>50 minutes</td><td>18 h. 30 min.</td></tr>
<tr><td>SP</td><td>1 h. 40 min.</td><td>37 hours</td></tr>
<tr><td>LP</td><td>3 h. 20 min.</td><td>74 h. 30 min.</td></tr>
</table>
Picture size: 640 x 480 (4:3), 640 x 360 (16:9)
Audio compression:
SD Card: Dolby Digital/MPEG-1 Audio Layer 2
(SDR-H100P/PC/GT, H101PR/PU)
: MPEG-1 Audio Layer 2
(Except SDR-H100P/PC/GT, H101PR/PU)
HDD : Dolby Digital
(SDR-H100P/PC/GT, H101PR/PU)
: MPEG-1 Audio Layer 2
(Except SDR-H100P/PC/GT, H101PR/PU)</td></tr>
</table>

<table>
<tr><th colspan="2">ITEM</th><th>SPECIFICATION</th></tr>
<tr><td colspan="2">STILL PICTURES</td><td>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 system compliant)
SDHC Memory Card (removable type):
4 GB /6 GB /8 GB /12 GB /16 GB /32 GB
(FAT32 system compliant)
SDXC Memory Card (removable type):
48 GB /64 GB
(exFAT system compliant)
HDD (fixed): 80 GB
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)</td></tr>
<tr><td colspan="2">STANDARD ILLUMINATION</td><td>1,400 lx</td></tr>
<tr><td colspan="2">MINIMUM REQUIRED ILLUMINATION</td><td>Approx. 5lx (1/25 in low light mode; Except SDR-H100P/PC/GT, H101PR/PU)
Approx. 5lx (1/30 in low light mode; SDR-H100P/PC/GT, H101PR/PU)
Approx. 2lx with the colour night view function or colour night rec function</td></tr>
<tr><td rowspan="3">USB</td><td>SD Card</td><td>Read/Write (No copyright protection support)</td></tr>
<tr><td>HDD</td><td>Read only</td></tr>
<tr><td colspan="2"></td><td>Hi-Speed USB (USB 2.0) compliant
USB terminal Type Mini AB</td></tr>
<tr><td colspan="2">MICROPHONE</td><td>Stereo (with a zoom function)</td></tr>
<tr><td colspan="2">SPEAKER</td><td>1 round speaker</td></tr>
<tr><td colspan="2">OPERATING TEMPERATURE</td><td>0˚C - 40˚C (32 ˚F - 104 ˚F)</td></tr>
<tr><td colspan="2">OPERATING HUMIDITY</td><td>10 % - 80 %</td></tr>
<tr><td colspan="2">MASS (WEIGHT)</td><td>SD/HDD Video Camera: Approx. 273 g (Approx. 0.6lbs)
(without battery and SD Card)
AC Adaptor: Approx. 115 g (0.25 lbs)</td></tr>
<tr><td colspan="2">DIMENSIONS</td><td>SD/HDD Video Camera: (excluding projecting parts)
55.1 mm (W) × 64 mm (H) × 107.3 mm (D)
2.17 inch (W) × 2.52 inch (H) × 4.22 inch (D)
AC Adaptor:
46 mm (W) × 25 mm (H) × 75.5 mm (D)
1.8 inch (W) × 1.0 inch (H) × 3.0 inch (D)</td></tr>
<tr><td colspan="2">STANDARD ACCESSORIES</td><td>1 pc. AC Adaptor
1 pc. Battery Pack Unit
1 pc. AC Cord (Except SDR-H101GA/GC)
2 pcs. AC Cord (SDR-H101GA/GC)
1 pc. AV Cable
1 pc. CD-ROM
1 pc. CD-ROM (Operation Instructions)
(SDR-H100EC/EG, H101GA/GC)
1 pc. USB Cable</td></tr>
<tr><td colspan="2">SOLDER</td><td>This model use lead free solder (PbF).</td></tr>
</table>

Specifications may change without prior notice.

4 Service Mode

Note:

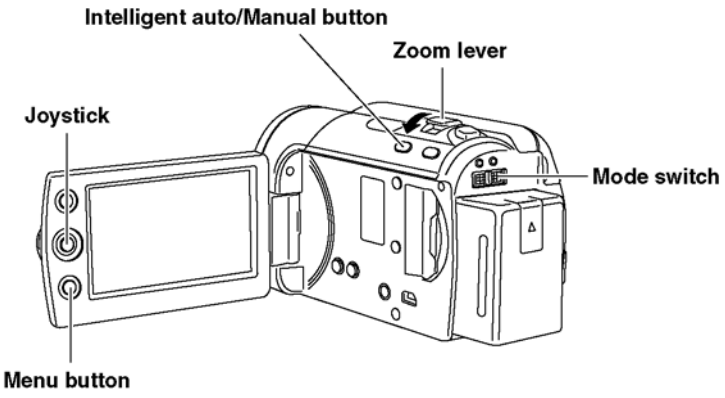
The screens of the service mode are for SDR-H100P.

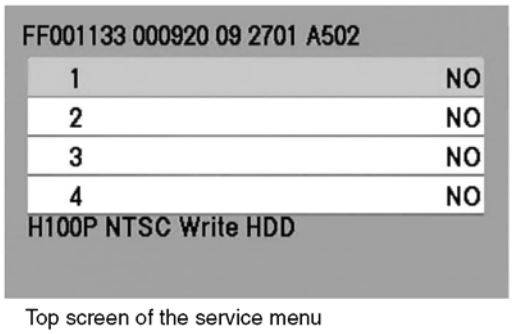
For other models, refer to each screen of the service mode.

1. **Indication method of the service menu**

   Set the mode switch " Recording" mode.

2. While keep pressing the "Intelligent auto/Manual" button and "Menu" button, hold left the Zoom Lever towards to "[W]" position for more than 3 seconds until the top screen of the Service Menu being displayed.





Top screen of the service menu

Service mode menu

Screen display	Contents	Function
1	Factory settings	Function to throw a product up in a factory shipment state
3	Self check execution	Function to check self as for the state of HDD
4	Lock search history indication	Display an error code for three histories saved in EEPROM
5	Power ON self check result display	Power ON self check (function to diagnose correct function of the device and interface between devices) result display
10	Lock search history clear	An error code for three histories in EEPROM is cleared

Note:

Do not using service mode except above table of Service Menu.

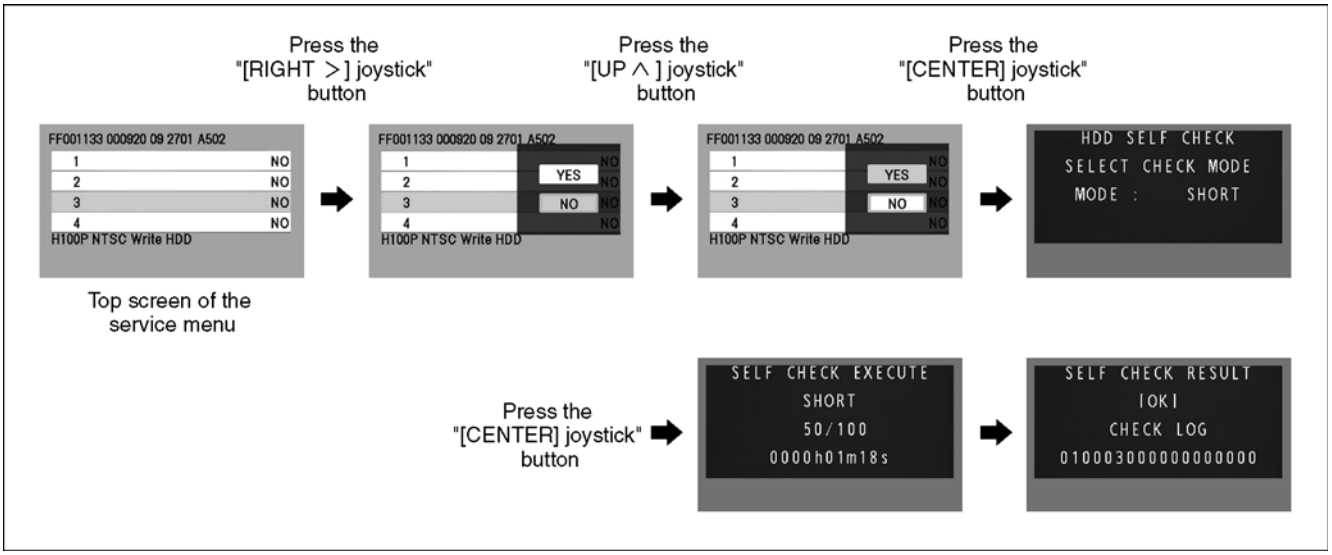
3. **End method of the top screen of the service menu**

   Push the menu button to end the service mode, and then POWER OFF.

4.1. HDD Self Check

1. Select [3] HDD self check.

Operation specifications



Indication contents

- HDD self check result display

  Display the HDD self check result information.

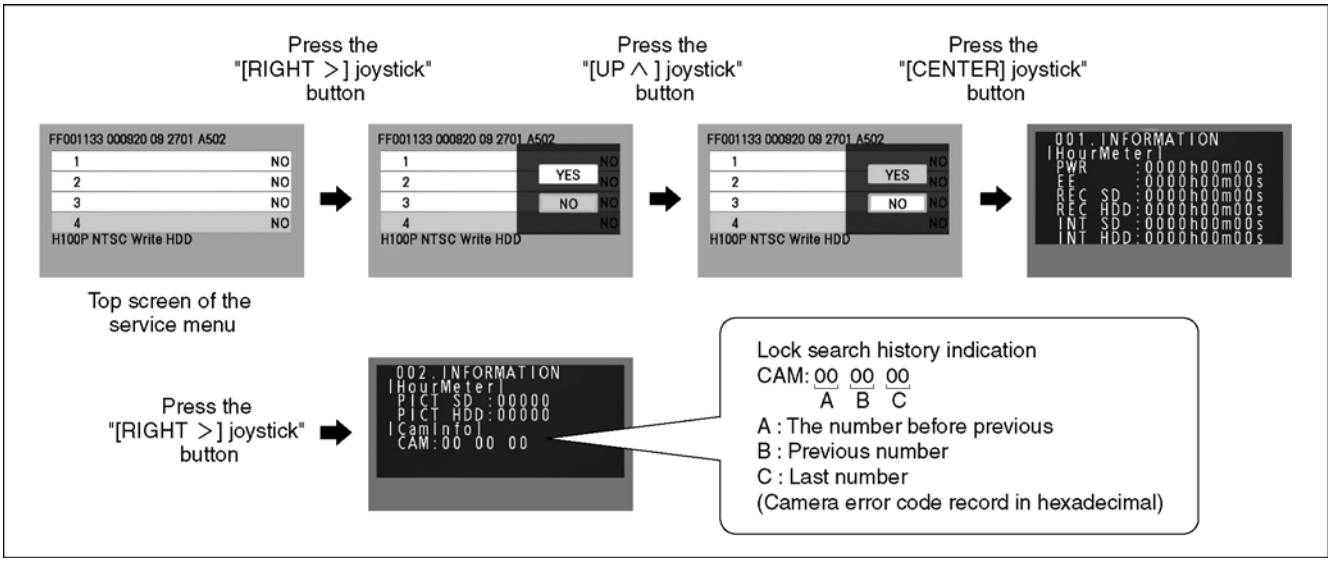
  Displays other than "OK" are abnormalities of HDD.

Push the menu button to end the service mode, and then POWER OFF.

4.2. Lock Search History Indication

1. Select [4] Lock search history indication.

Operation specifications



Indication contents

- Lock search history indication

  Display the camera system error code for three histories saved in EEPROM.

- The error code contents which are displayed

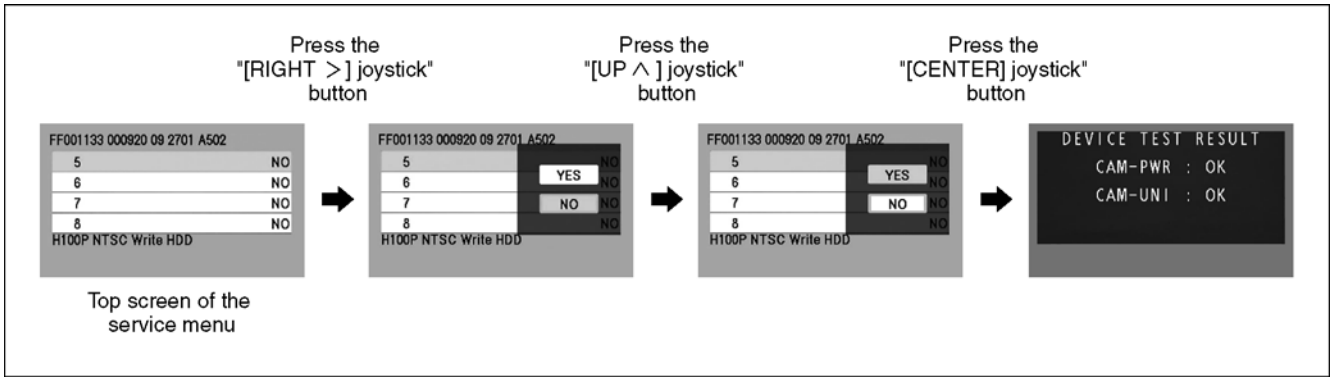
Error code	Function
51	Focus control is abnormal
52	Zoom control is abnormal
53	OIS lens control is abnormal
73	High temperature is abnormal
33	Communication between camera to ARM is abnormal (Check the peripheral circuits of IC2006 and IC3401.)

Lock search history indication is finished by POWER OFF.

4.3. Power ON Self Check Result Display

1. Select [5] Power ON self check result display.

Operation specifications



Indication contents

- Power ON self check result display

  Function to diagnose correct function of the device and interface between devices result display.

  Display the following communication test result.

  - CAM-PWR : Communication test between IC2006 to IC1503
  - CAM-UNI : Communication test between IC2006 to IC3401

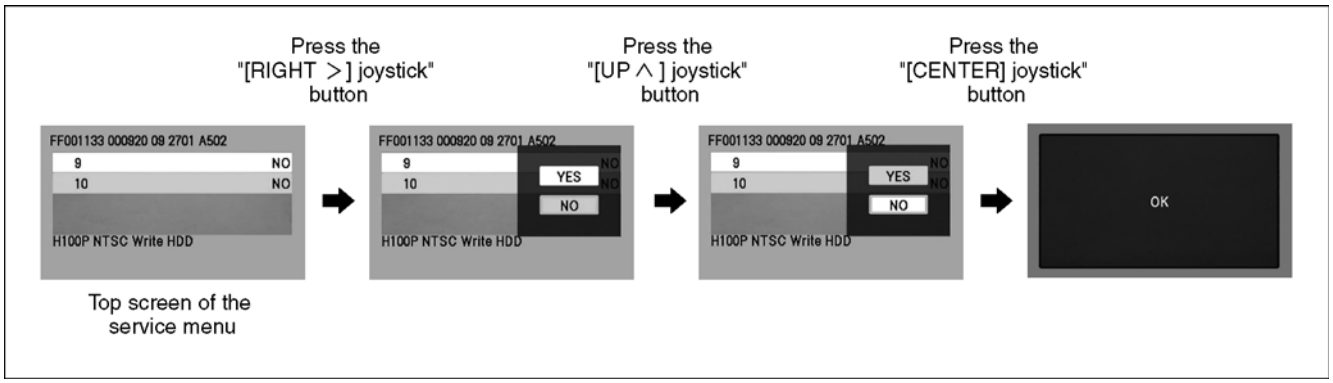
  Display other than "OK" are abnormalities of each lines.

Power ON self check result display is finished by POWER OFF.

4.4. Lock Search History Clear

1. Select [10] Lock Search History Clear.

Operation specifications



- Lock Search History Clear

  An error code for three histories in EEPROM is cleared.

Push the menu button to end the service mode, and then POWER OFF.

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 or VFK1164TCM03	1	With Focus Chart
Color Bar Chart	VFK1164TFCB2	1	
Gray Scale Chart	VFK1164TFGS2	1	
Color Conversion	VFK1164TFCT2	1	
Light Box	VFK1164TDVLB or RFKZ0523	1	
Color Conversion (C12)	VFK1164LBB12	1	
Color Conversion (C2)	VFK1164LBB2	1	
Color Conversion (C4)	VFK1164LBB4	1	
Color Conversion (C8)	VFK1164LBB8	1	
Tripod	RFKZ0333B	1	
Adapter for infinity Lens	RFKZ0333H	1	
Grease	LSUQ0050	1	
Plier	LSUQ0028	1	
HDD Connector Tool	LSVQ0112	1	
Pin For CCD	RFKZ0476	1	
Extension Flat Cable (6pin)	VFK1480	1	FP6009 (Main) - Front Case/Mic Unit
Extension Flat Cable (27pin)	VFK1491	1	FP6001 (Main) - Side Case R/LCD Unit
Extension Flat Cable (33pin)	VFK1950	1	FP6008 (Main) - Lens Unit
Extension Flat Cable (18pin)	VFK1443	1	FP6007 (Main) - Prism Unit
Extension Flat Cable (22pin)	VFK1282	1	FP6004 (Main) - FP3901 (Rear)
Extension Flat Cable (40pin)	RFKZ0379	1	PP6002 (Main) - FP6701 (DC BATT OP FPC)
Extension Flat Cable (40pin)	RFKZ0379	1	PP6006 (Main) - HDD Unit

6 Measurements and Adjustments

6.1. Service Positions

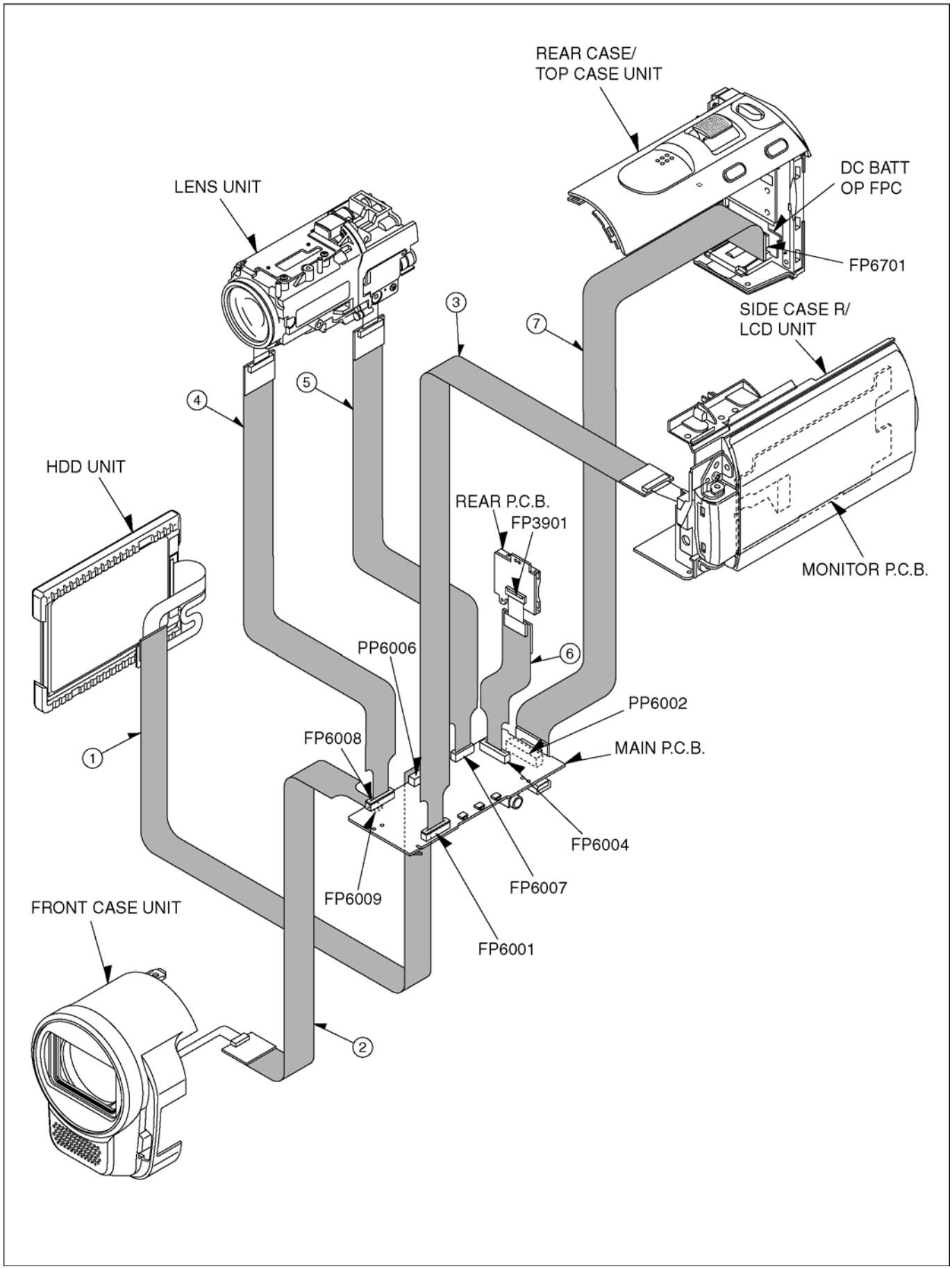
6.1.1. List of the extension cables for all P.C.B. included in Module Unit

This models is required the following extension cables for all connections.
Use the following extension cables when checking or adjusting individual circuit boards.

Ref.	Part No.	Pin	Part Name	Connection			Q'ty
1	RFKZ0379	40	Flat Cable	PP6006 (Main)	-	HDD Unit	1
2	VFK1480	6	Flat Cable	FP6009 (Main)	-	Front Case/Mic Unit	1
3	VFK1491	27	Flat Cable	FP6001 (Main)	-	Side Case R/LCD Unit	1
4	VFK1950	33	Flat Cable	FP6008 (Main)	-	Lens Unit	1
5	VFK1443	18	Flat Cable	FP6007 (Main)	-	Prism Unit	1
6	VFK1282	22	Flat Cable	FP6004 (Main)	-	FP3901 (Rear)	1
7	RFKZ0379	40	Flat Cable	PP6002 (Main)	-	FP6701 (DC BATT OP FPC)	1

6.1.2. Checking and repairing individual circuit boards

How to use extension cables.



7 Maintenance

7.1. Cleaning Lens and LCD Panel

Do not touch the surface of the lens and LCD Panel with your hand.

When cleaning the lens, use air-Blower to blow off the dust.

When cleaning the LCD Panel, dampen the lens cleaning paper with lens cleaner, and the gently wipe the their surface.

Note:

A lens cleaning paper and lens cleaner are available at local camera shops and market place.

VM1101004CE

Service Manual

Diagrams and Replacement Parts List

SD / HDD Video Camera

Model No.

SDR-H100P	SDR-H100GT
SDR-H100PC	SDR-H101EB
SDR-H100EB	SDR-H101PR
SDR-H100EC	SDR-H101PU
SDR-H100EE	SDR-H101GA
SDR-H100EF	SDR-H101GC
SDR-H100EG	SDR-H101GK
SDR-H100EP	SDR-H101GN

Vol. 2
Colour
(K).....Black Type (except SDR-H101EB)
(S).....Silver Type (only SDR-H100P/PC/GT, H101PU/GA/GC)
(R).....Red Type (only SDR-H100P/PC/GT, H101PU/GA/GC/GK/GN)
(H).....Gray Type (only SDR-H101EB)

Table of contents

S1. About Indication of The Schematic Diagram

S1.1. Important Safety Notice

COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

1.Although reference number of the parts is indicated on the P.C.B. drawing and/or schematic diagrams, it is NOT mounted on the P.C.B. when it is displayed with "$" mark.

2.It is only the "Test Round" and no terminal (Pin) is available on the P.C.B. when the TP (Test Point) indicated as "●" mark.

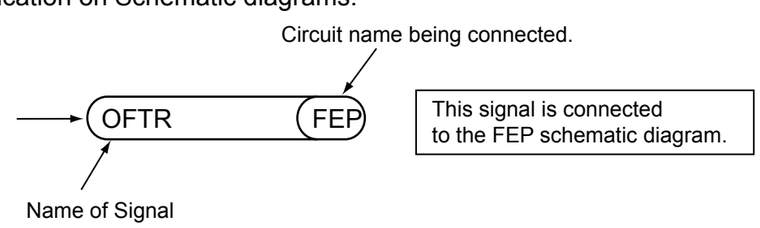
3.The voltage being indicated on the schematic diagram is measured in "Standard-Playback" mode when there is no specify mode is mentioned.

4.Although the voltage and waveform available on here is measured with standard frame, it may be differ from actual measurement due to modification of circuit and so on.

5.The voltage being indicated here may be include observational-error (deviation) due to internal-resistance and/or reactance of equipment. Therefore, handle the value indicated on here as reference.

6.Use the parts number indicated on the Replacement Parts List .

7.Indication on Schematic diagrams:



S2. Voltage Chart

Note) Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.
Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

S2.1. Main P.C.B.

REF NO.	PIN NO.	REC	PB	EE
IC101	1	1.7		1.7
IC101	2	3		3
IC101	3	0		0
IC101	4	1.1		1.1
IC101	5	0		0
IC101	6	3		3
IC101	7	-		-
IC101	8	1.1		1.1
IC101	9	0		0
IC101	10	-		-
IC101	11	1.4		1.4
IC101	12	3		3
IC101	13	0		0
IC101	14	0		0
IC101	15	-		-
IC101	16	3		3
IC101	17	-		-
IC101	18	-		-
IC101	19	-		-
IC101	20	-		-
IC101	21	3		3
IC101	22	3		3
IC101	23	3		3
IC101	24	0.1		0.1
IC101	25	0.3		0.3
IC101	26	12		12
IC101	27	-		-
IC101	28	-		-
IC101	29	-		-
IC101	30	-		-
IC101	31	3.3		3.3
IC101	32	-		-
IC101	33	0		0
IC101	34	0		0
IC101	35	-		-
IC101	36	-		-
IC101	37	3		3
IC101	38	0		0
IC101	39	0		0
IC101	40	0		0
IC101	41	-		-
IC101	42	-		-
IC101	43	-		-
IC101	44	3		3
IC101	45	0		0
IC101	46	0		0
IC101	47	-		-
IC101	48	-		-
IC101	49	-		-
IC101	50	3		3
IC101	51	0		0
IC101	52	-		-
IC101	53	-		-
IC101	54	-		-
IC101	55	0		0
IC101	56	2		2
IC101	57	3		3
IC101	58	0		0
IC101	59	0		0
IC101	60	3		3
IC101	61	3		3
IC101	62	1.5		1.5
IC101	63	-7.5		-7.5
IC101	64	0		0
IC101	65	2.9		2.9
IC101	66	1.3		1.3

REF NO.	PIN NO.	REC	PB	EE
IC101	67	0		0
IC101	68	2		2
IC101	69	0		0
IC101	70	0		0
IC101	71	2.9		2.9
IC101	72	0		0
IC101	73	-		-
IC101	74	-		-
IC101	75	2.9		2.9
IC101	76	0		0
IC101	77	2		2
IC101	78	2		2
IC101	79	1.8		1.8
IC101	80	0		0
IC101	81	2		2
IC101	82	1		1
IC101	83	3		3
IC101	84	2.9		2.9
IC101	85	12		12
IC102	1	3.2		3.2
IC102	2	0		0
IC102	3	-		-
IC102	4	3		3
IC102	5	3.2		3.2
IC601	1	1.3	1.3	1.3
IC601	2	-	-	-
IC601	3	0	0	0
IC601	4	3	3	3
IC601	5	0	0	0
IC601	6	0	0	0
IC601	7	0	0	0
IC601	8	3	3	3
IC601	9	2.8	2.8	2.8
IC601	10	0	0	0
IC601	11	0.9	0.9	0.9
IC601	12	-	-	-
IC601	13	-	-	-
IC601	14	0.4	0.4	0.4
IC601	15	1	1	1
IC601	16	0.9	0.9	0.9
IC601	17	0	0	0
IC601	18	1.2	1.2	1.2
IC601	19	0.6	0.6	0.6
IC601	20	0.7	0.7	0.7
IC601	21	0.7	0.7	0.7
IC601	22	0.7	0.7	0.7
IC601	23	1.8	1.8	1.8
IC601	24	4.9	4.9	4.9
IC601	25	2.5	2.5	2.5
IC601	26	2.5	2.5	2.5
IC601	27	2.5	2.5	2.5
IC601	28	0	0	0
IC601	29	4.6	4.6	4.6
IC601	30	4.5	4.5	4.5
IC601	31	0.8	0.8	0.8
IC601	32	0.3	0.3	0.3
IC601	33	4.9	4.9	4.9
IC601	34	4.3	4.3	4.3
IC601	35	2.8	2.8	2.8
IC601	36	2.6	2.6	2.6
IC601	37	0	0	0
IC601	38	3	3	3
IC601	39	-	-	-
IC601	40	-	-	-
IC601	41	-	-	-
IC601	42	-	-	-

REF NO.	PIN NO.	REC	PB	EE
IC601	43	-	-	-
IC601	44	-	-	-
IC601	45	2.9	2.9	2.9
IC601	46	2.9	2.9	2.9
IC601	47	-	-	-
IC601	48	-	-	-
IC601	49	0	0	0
IC601	50	0	0	0
IC601	51	-	-	-
IC601	52	-	-	-
IC601	53	-	-	-
IC601	54	-	-	-
IC601	55	0.2	0.2	0.2
IC601	56	3	3	3
IC601	57	1.4	1.4	1.4
IC601	58	1.4	1.4	1.4
IC601	59	-	-	-
IC601	60	0	0	0
IC601	61	-	-	-
IC601	62	2.2	2.2	2.2
IC601	63	0	0	0
IC601	64	-	-	-
IC701	1	0		0
IC701	2	2.8		2.8
IC701	3	1.4		1.4
IC701	4	2.8		2.8
IC701	5	0		0
IC701	6	1.8		1.8
IC701	7	-		-
IC701	8	-		-
IC701	9	0		0
IC701	10	2.8		2.8
IC701	11	2.8		2.8
IC701	12	-		-
IC701	13	-		-
IC701	14	2.8		2.8
IC701	15	3		3
IC701	16	-		-
IC701	17	3		3
IC701	18	1.4		1.4
IC701	19	-		-
IC701	20	3.2		3.2
IC701	21	1.4		1.4
IC701	22	0		0
IC701	23	-		-
IC701	24	2.9		2.9
IC701	25	-		-
IC701	26	4.9		4.9
IC701	27	3		3
IC701	28	-		-
IC701	29	-		-
IC701	30	0		0
IC701	31	0		0
IC701	32	-		-
IC701	33	0		0
IC701	34	-		-
IC701	35	0		0
IC701	36	-		-
IC701	37	-		-
IC701	38	-		-
IC701	39	-		-
IC701	40	2.6		2.6
IC701	41	-		-
IC701	42	3.2		3.2
IC701	43	-		-
IC701	44	-		-

REF NO.	PIN NO.	REC	PB	EE
IC701	45	-		-
IC701	46	2.8		2.8
IC701	47	1.4		1.4
IC701	48	1.4		1.4
IC701	49	1.4		1.4
IC701	50	1.4		1.4
IC701	51	2.8		2.8
IC701	52	-		-
IC701	53	2.8		2.8
IC701	54	1.9		1.9
IC701	55	2.8		2.8
IC701	56	1.4		1.4
IC701	57	2.2		2.2
IC701	58	0		0
IC701	59	0		0
IC701	60	-		-
IC701	61	0		0
IC701	62	-		-
IC701	63	-		-
IC701	64	-		-
IC701	65	-		-
IC701	66	1.5		1.5
IC701	67	-		-
IC701	68	-		-
IC701	69	2.9		2.9
IC701	70	-		-
IC701	71	1.4		1.4
IC701	72	2		2
IC701	73	2.8		2.8
IC701	74	2		2
IC701	75	-		-
IC701	76	0		0
IC701	77	3		3
IC701	78	3		3
IC701	79	-		-
IC701	80	1.4		1.4
IC701	81	2		2
IC701	82	1.4		1.4
IC701	83	-		-
IC701	84	1.4		1.4
IC701	85	2		2
IC701	86	1.4		1.4
IC701	87	0		0
IC701	88	3		3
IC701	89	1.4		1.4
IC701	90	1.4		1.4
IC701	91	0		0
IC701	92	1.4		1.4
IC701	93	1.5		1.5
IC701	94	0		0
IC701	95	-		-
IC701	96	1.5		1.5
IC701	97	-		-
IC701	98	1.5		1.5
IC701	99	1.5		1.5
IC701	100	-		-
IC701	101	1.4		1.4
IC701	102	1.4		1.4
IC701	103	1.4		1.4
IC701	104	1.4		1.4
IC701	105	1.4		1.4
IC701	106	-		-
IC701	107	1.4		1.4
IC701	108	0		0
IC701	109	-		-
IC701	110	3.2		3.2

REF NO.	PIN NO.	REC	PB	EE
IC701	111	-		-
IC701	112	-		-
IC701	113	-		-
IC701	114	-		-
IC701	115	-		-
IC701	116	-		-
IC701	117	-		-
IC701	118	0		0
IC701	119	-		-
IC701	120	2.6		2.6
IC703	1	3.2		3.2
IC703	2	0		0
IC703	3	-		-
IC703	4	3		3
IC703	5	3.2		3.2
IC1001	1	1.2	1.2	1.2
IC1001	2	0	0	0
IC1001	3	1.8	1.8	1.8
IC1001	4	3.2	3.2	3.2
IC1001	5	3.2	3.2	3.2
IC1001	6	3.3	3.3	3.3
IC1001	7	4.8	4.8	4.8
IC1001	8	0	0	0
IC1001	9	0	0	0
IC1001	10	3.3	3.3	3.3
IC1001	11	0	0	0
IC1001	12	5.4	5.4	5.4
IC1001	13	0	0	0
IC1001	14	12.3	12.3	12.3
IC1001	15	2.2	2.2	2.2
IC1001	16	3	3	3
IC1001	17	4.8	4.8	4.8
IC1001	18	4.9	4.9	4.9
IC1001	19	1	1	1
IC1001	20	4.8	4.8	4.8
IC1001	21	0.8	0.8	0.8
IC1001	22	0.7	0.7	0.7
IC1001	23	5	5	5
IC1001	24	0	0	0
IC1001	25	3	3	3
IC1001	26	0.3	0.3	0.3
IC1001	27	1.1	1.1	1.1
IC1001	28	0.8	0.8	0.8
IC1001	29	0.6	0.6	0.6
IC1001	30	4.8	4.8	4.8
IC1001	31	0.3	0.3	0.3
IC1001	32	5.4	5.4	5.4
IC1001	33	0.8	0.8	0.8
IC1001	34	0	0	0
IC1001	35	0	0	0
IC1001	36	0	0	0
IC1001	37	4.8	4.8	4.8
IC1001	38	0	0	0
IC1001	39	4.8	4.8	4.8
IC1001	40	4.8	4.8	4.8
IC1001	41	0	0	0
IC1002	1	0.6	0.6	0.6
IC1002	2	1.2	1.2	1.2
IC1002	3	0	0	0
IC1002	4	0	0	0
IC1002	5	3.3	3.3	3.3
IC1002	6	3.3	3.3	3.3
IC1002	7	3.5	3.5	3.5
IC1002	8	3.5	3.5	3.5
IC1002	9	0	0	0
IC1002	10	0	0	0

REF NO.	PIN NO.	REC	PB	EE
IC1002	11	0	0	0
IC1002	12	0	0	0
IC1002	13	3.5	3.5	3.5
IC1002	14	3.5	3.5	3.5
IC1002	15	4.8	4.8	4.8
IC1002	16	4.8	4.8	4.8
IC1002	17	4.8	4.8	4.8
IC1002	18	5	5	5
IC1002	19	4.8	4.8	4.8
IC1002	20	0.7	0.7	0.7
IC1301	1	2.8	2.8	2.8
IC1301	2	0	0	0
IC1301	3	1.2	1.2	1.2
IC1301	4	4.9	4.9	4.9
IC1301	5	5.4	5.4	5.4
IC1371	1	2.9	2.9	2.9
IC1371	2	12.6	12.6	12.6
IC1371	3	-1.9	-1.9	-1.9
IC1371	4	2.9	2.9	2.9
IC1371	5	-7.6	-7.6	-7.6
IC1371	6	-7.5	-7.5	-7.5
IC1371	7	0	0	0
IC1371	8	12	12	12
IC1411	1	5.4	5.4	5.4
IC1411	2	0	0	0
IC1411	3	-	-	-
IC1411	4	4.9	4.9	4.9
IC1411	5	5.4	5.4	5.4
IC1421	1	3.2	3.2	3.2
IC1421	2	0	0	0
IC1421	3	-	-	-
IC1421	4	3	3	3
IC1421	5	3.2	3.2	3.2
IC1423	1	3.2	3.2	3.2
IC1423	2	3.2	3.2	3.2
IC1423	3	-	-	-
IC1423	4	0	0	0
IC1501	1	3	3	3
IC1501	2	0	0	0
IC1501	3	-	-	-
IC1501	4	5.1	5.1	5.1
IC1502	1	0	0	0
IC1502	2	-	-	-
IC1502	3	3	3	3
IC1502	4	2.8	2.8	2.8
IC1502	5	3	3	3
IC1502	6	-	-	-
IC1502	7	3	3	3
IC1502	8	3	3	3
IC1502	9	0	0	0
IC1502	10	3	3	3
IC1502	11	-	-	-
IC1502	12	0	0	0
IC1502	13	2.8	2.8	2.8
IC1502	14	3.2	3.2	3.2
IC1502	15	2.8	2.8	2.8
IC1502	16	2.8	2.8	2.8
IC1502	17	1.2	1.2	1.2
IC1502	18	5.1	5.1	5.1
IC1502	19	5.1	5.1	5.1
IC1502	20	-	-	-
IC1502	21	-	-	-
IC1502	22	4.6	4.6	4.6
IC1502	23	2.8	2.8	2.8
IC1502	24	3.8	3.8	3.8
IC1502	25	-	-	-

REF NO.	PIN NO.	REC	PB	EE
IC1502	26	3	3	3
IC1502	27	3	3	3
IC1502	28	5.1	5.1	5.1
IC1502	29	3	3	3
IC1502	30	0.7	0.7	0.7
IC1502	31	0.7	0.7	0.7
IC1502	32	3	3	3
IC1503	A1	5.1	5.1	5.1
IC1503	A2	4.8	4.8	4.8
IC1503	A3	5	5	5
IC1503	A4	0	0	0
IC1503	A5	0	0	0
IC1503	A6	2.5	2.5	2.5
IC1503	A7	0	0	0
IC1503	B1	0.7	0.7	0.7
IC1503	B2	4.8	4.8	4.8
IC1503	B4	2.5	2.5	2.5
IC1503	B5	-	-	-
IC1503	B6	2.8	2.8	2.8
IC1503	B7	-	-	-
IC1503	C1	5	5	5
IC1503	C2	3.2	3.2	3.2
IC1503	C3	0.7	0.7	0.7
IC1503	C4	0	0	0
IC1503	C5	2.8	2.8	2.8
IC1503	C6	-	-	-
IC1503	C7	2.8	2.8	2.8
IC1503	D1	1.2	1.2	1.2
IC1503	D2	1.6	1.6	1.6
IC1503	D3	2.8	2.8	2.8
IC1503	D4	-	-	-
IC1503	D5	-	-	-
IC1503	D6	3.8	3.8	3.8
IC1503	D7	3.8	3.8	3.8
IC1503	E1	4.9	4.9	4.9
IC1503	E2	4.7	4.7	4.7
IC1503	E3	2.8	2.8	2.8
IC1503	E4	3.2	3.2	3.2
IC1503	E5	2.5	2.5	2.5
IC1503	E6	2.8	2.8	2.8
IC1503	E7	5.1	5.1	5.1
IC1503	F1	0.7	0.7	0.7
IC1503	F2	4.6	4.6	4.6
IC1503	F3	2.8	2.8	2.8
IC1503	F4	2.5	2.5	2.5
IC1503	F5	2.5	2.5	2.5
IC1503	F6	2.5	2.5	2.5
IC1503	F7	3	3	3
IC1503	G1	0	0	0
IC1503	G2	2.5	2.5	2.5
IC1503	G3	3.2	3.2	3.2
IC1503	G4	2.5	2.5	2.5
IC1503	G5	-	-	-
IC1503	G6	-	-	-
IC1503	G7	0	0	0
IC2002	1	2.8	2.8	2.8
IC2002	2	3	3	3
IC2002	3	3	3	3
IC2002	4	0	0	0
IC2002	5	3	3	3
IC2002	6	2.8	2.8	2.8
IC2002	7	3	3	3
IC2002	8	3	3	3
IC2006	A1	3	3	3
IC2006	A2	3	3	3
IC2006	A3	-	-	-

REF NO.	PIN NO.	REC	PB	EE
IC2006	A4	3	3	3
IC2006	A5	3	3	3
IC2006	A6	-	-	-
IC2006	A7	-	-	-
IC2006	A8	-	-	-
IC2006	A9	-	-	-
IC2006	A10	-	-	-
IC2006	A11	-	-	-
IC2006	A12	-	-	-
IC2006	A13	-	-	-
IC2006	A14	-	-	-
IC2006	A15	3	3	3
IC2006	A16	-	-	-
IC2006	A17	-	-	-
IC2006	A18	-	-	-
IC2006	A19	3	3	3
IC2006	A20	3	3	3
IC2006	B1	3	3	3
IC2006	B2	3	3	3
IC2006	B3	-	-	-
IC2006	B4	1.8	1.8	1.8
IC2006	B5	3	3	3
IC2006	B6	-	-	-
IC2006	B7	-	-	-
IC2006	B8	2.2	2.2	2.2
IC2006	B9	-	-	-
IC2006	B10	-	-	-
IC2006	B11	-	-	-
IC2006	B12	-	-	-
IC2006	B13	2.8	2.8	2.8
IC2006	B14	2.8	2.8	2.8
IC2006	B15	-	-	-
IC2006	B16	2.8	2.8	2.8
IC2006	B17	-	-	-
IC2006	B18	-	-	-
IC2006	B19	3	3	3
IC2006	B20	3	3	3
IC2006	C1	3	3	3
IC2006	C2	-	-	-
IC2006	C3	3	3	3
IC2006	C4	4.2	4.2	4.2
IC2006	C5	-	-	-
IC2006	C6	-	-	-
IC2006	C7	-	-	-
IC2006	C8	0.6	0.6	0.6
IC2006	C9	-	-	-
IC2006	C10	-	-	-
IC2006	C11	-	-	-
IC2006	C12	-	-	-
IC2006	C13	3	3	3
IC2006	C14	-	-	-
IC2006	C15	3	3	3
IC2006	C16	2.8	2.8	2.8
IC2006	C17	1.4	1.4	1.4
IC2006	C18	3	3	3
IC2006	C19	3	3	3
IC2006	C20	3	3	3
IC2006	D1	-	-	-
IC2006	D2	-	-	-
IC2006	D3	-	-	-
IC2006	D4	3	3	3
IC2006	D5	0	0	0
IC2006	D6	3	3	3
IC2006	D7	-	-	-
IC2006	D8	1.5	1.5	1.5
IC2006	D9	0	0	0
IC2006	D10	-	-	-
IC2006	D11	3	3	3
IC2006	D12	-	-	-
IC2006	D13	-	-	-
IC2006	D14	0	0	0
IC2006	D15	2.8	2.8	2.8
IC2006	D16	2.8	2.8	2.8
IC2006	D17	3	3	3
IC2006	D18	-	-	-
IC2006	D19	-	-	-
IC2006	D20	-	-	-
IC2006	E1	-	-	-
IC2006	E2	-	-	-
IC2006	E3	-	-	-
IC2006	E4	0	0	0
IC2006	E5	0	0	0
IC2006	E17	-	-	-
IC2006	E18	-	-	-
IC2006	E19	0	0	0
IC2006	E20	0	0	0
IC2006	F1	-	-	-
IC2006	F2	-	-	-
IC2006	F3	2.9	2.9	2.9
IC2006	F4	0	0	0
IC2006	F17	0	0	0
IC2006	F18	-	-	-
IC2006	F19	0	0	0
IC2006	F20	0	0	0
IC2006	G1	-	-	-
IC2006	G2	2.9	2.9	2.9
IC2006	G3	-	-	-
IC2006	G4	3	3	3
IC2006	G17	1.8	1.8	1.8
IC2006	G18	-	-	-
IC2006	G19	-	-	-
IC2006	G20	3	3	3
IC2006	H1	-	-	-
IC2006	H2	-	-	-
IC2006	H3	1.6	1.6	1.6
IC2006	H4	1.8	1.8	1.8
IC2006	H17	-	-	-
IC2006	H18	-	-	-
IC2006	H19	3	3	3
IC2006	H20	-	-	-
IC2006	J1	0	0	0
IC2006	J2	-	-	-
IC2006	J3	-	-	-
IC2006	J4	-	-	-
IC2006	J17	1.8	1.8	1.8
IC2006	J18	-	-	-
IC2006	J19	0	0	0
IC2006	J20	-	-	-
IC2006	K1	-	-	-
IC2006	K2	0	0	0
IC2006	K3	0	0	0
IC2006	K4	3	3	3
IC2006	K17	0	0	0
IC2006	K18	0	0	0
IC2006	K19	-	-	-
IC2006	K20	0	0	0
IC2006	L1	-	-	-
IC2006	L2	2.8	2.8	2.8
IC2006	L3	-	-	-
IC2006	L4	3	3	3
IC2006	L17	-	-	-
IC2006	L18	-	-	-
IC2006	L19	-	-	-
IC2006	L20	-	-	-
IC2006	M1	0	0	0
IC2006	M2	-	-	-
IC2006	M3	-	-	-
IC2006	M4	1.8	1.8	1.8
IC2006	M17	-	-	-
IC2006	M18	-	-	-
IC2006	M19	-	-	-
IC2006	M20	-	-	-
IC2006	N1	1.5	1.5	1.5
IC2006	N2	2.8	2.8	2.8
IC2006	N3	-	-	-
IC2006	N4	1.5	1.5	1.5
IC2006	N17	-	-	-
IC2006	N18	-	-	-
IC2006	N19	-	-	-
IC2006	N20	-	-	-
IC2006	P1	-	-	-
IC2006	P2	-	-	-
IC2006	P3	2.8	2.8	2.8
IC2006	P4	-	-	-
IC2006	P17	-	-	-
IC2006	P18	-	-	-
IC2006	P19	-	-	-
IC2006	P20	-	-	-
IC2006	R1	0	0	0
IC2006	R2	-	-	-
IC2006	R3	-	-	-
IC2006	R4	0	0	0
IC2006	R17	0	0	0
IC2006	R18	-	-	-
IC2006	R19	0	0	0
IC2006	R20	-	-	-
IC2006	T1	-	-	-
IC2006	T2	-	-	-
IC2006	T3	-	-	-
IC2006	T4	-	-	-
IC2006	T17	-	-	-
IC2006	T18	-	-	-
IC2006	T19	2.8	2.8	2.8
IC2006	T20	2.8	2.8	2.8
IC2006	U1	2.8	2.8	2.8
IC2006	U2	-	-	-
IC2006	U3	-	-	-
IC2006	U4	3	3	3
IC2006	U5	2.8	2.8	2.8
IC2006	U6	-	-	-
IC2006	U7	0	0	0
IC2006	U8	-	-	-
IC2006	U9	0	0	0
IC2006	U10	0.1	0.1	0.1
IC2006	U11	3	3	3
IC2006	U12	3	3	3
IC2006	U13	0	0	0
IC2006	U14	2.8	2.8	2.8
IC2006	U15	-	-	-
IC2006	U16	-	-	-
IC2006	U17	1.8	1.8	1.8
IC2006	U18	-	-	-
IC2006	U19	2.8	2.8	2.8
IC2006	U20	2.8	2.8	2.8
IC2006	V1	-	-	-
IC2006	V2	2.8	2.8	2.8
IC2006	V3	3	3	3
IC2006	V4	2.9	2.9	2.9
IC2006	V5	-	-	-
IC2006	V6	1.5	1.5	1.5
IC2006	V7	-	-	-
IC2006	V8	0	0	0
IC2006	V9	2.8	2.8	2.8
IC2006	V10	-	-	-
IC2006	V11	2.8	2.8	2.8
IC2006	V12	2.6	2.6	2.6
IC2006	V13	2.8	2.8	2.8
IC2006	V14	-	-	-
IC2006	V15	-	-	-
IC2006	V16	-	-	-
IC2006	V17	-	-	-
IC2006	V18	1.8	1.8	1.8
IC2006	V19	-	-	-
IC2006	V20	-	-	-
IC2006	W1	3	3	3
IC2006	W2	3	3	3
IC2006	W3	2.9	2.9	2.9
IC2006	W4	2.9	2.9	2.9
IC2006	W5	-	-	-
IC2006	W6	2.8	2.8	2.8
IC2006	W7	-	-	-
IC2006	W8	-	-	-
IC2006	W9	2.8	2.8	2.8
IC2006	W10	-	-	-
IC2006	W11	1.2	1.2	1.2
IC2006	W12	-	-	-
IC2006	W13	3	3	3
IC2006	W14	2.6	2.6	2.6
IC2006	W15	-	-	-
IC2006	W16	-	-	-
IC2006	W17	2.8	2.8	2.8
IC2006	W18	-	-	-
IC2006	W19	1.8	1.8	1.8
IC2006	W20	1.8	1.8	1.8
IC2006	Y1	3	3	3
IC2006	Y2	3	3	3
IC2006	Y3	0	0	0
IC2006	Y4	-	-	-
IC2006	Y5	3	3	3
IC2006	Y6	-	-	-
IC2006	Y7	-	-	-
IC2006	Y8	2.8	2.8	2.8
IC2006	Y9	-	-	-
IC2006	Y10	-	-	-
IC2006	Y11	2.8	2.8	2.8
IC2006	Y12	3	3	3
IC2006	Y13	2.8	2.8	2.8
IC2006	Y14	0	0	0
IC2006	Y15	-	-	-
IC2006	Y16	-	-	-
IC2006	Y17	-	-	-
IC2006	Y18	-	-	-
IC2006	Y19	1.8	1.8	1.8
IC2006	Y20	1.8	1.8	1.8
IC2301	1	0	0	0
IC2301	2	5.1	5.1	5.1
IC2301	3	1.2	1.2	1.2
IC2301	4	2.5	2.5	2.5
IC3301	1	3	3	3
IC3301	2	-	-	-
IC3301	3	3	3	3
IC3301	4	0	0	0
IC3301	5	3	3	3
IC3301	6	3	3	3
IC3301	7	-	-	-
IC3301	8	0	0	0
IC3301	9	3	3	3
IC3301	10	3	3	3
IC3401	A1	0	0	0
IC3401	A2	0	0	0
IC3401	A3	1.2	1.2	1.2
IC3401	A4	1.8	1.8	1.8
IC3401	A5	0.8	0.8	0.8
IC3401	A6	0	0	0
IC3401	A7	1.8	1.8	1.8
IC3401	A8	0	0	0
IC3401	A9	0.1	1.4	1.4
IC3401	A10	0.1	0.1	0.1
IC3401	A11	0	0	0
IC3401	A12	1.1	1.1	1.1
IC3401	A13	1.2	1.2	1.2
IC3401	A14	-	-	-
IC3401	A15	-	-	-
IC3401	A16	-	-	-
IC3401	A17	0	0	0
IC3401	A18	-	-	-
IC3401	A19	-	-	-
IC3401	A20	-	-	-
IC3401	A21	-	-	-
IC3401	A22	-	-	-
IC3401	A23	-	-	-
IC3401	A24	0	0	0
IC3401	A25	0	0	0
IC3401	A26	0	0	0
IC3401	AA1	-	-	-
IC3401	AA2	-	-	-
IC3401	AA3	3	3	3
IC3401	AA4	-	-	-
IC3401	AA5	2.8	2.8	2.8
IC3401	AA22	-	-	-
IC3401	AA23	-	-	-
IC3401	AA24	-	-	-
IC3401	AA25	-	-	-
IC3401	AA26	-	-	-
IC3401	AB1	0	0	0
IC3401	AB2	3	3	3
IC3401	AB3	-	-	-
IC3401	AB4	0	0	0
IC3401	AB5	0	0	0
IC3401	AB6	-	-	-
IC3401	AB7	-	-	-
IC3401	AB8	-	-	-
IC3401	AB9	1.8	1.8	1.8
IC3401	AB10	1.8	1.8	1.8
IC3401	AB11	1.8	1.8	1.8
IC3401	AB12	-	-	-
IC3401	AB13	-	-	-
IC3401	AB14	-	-	-
IC3401	AB15	-	-	-
IC3401	AB16	-	-	-
IC3401	AB17	3	3	3
IC3401	AB18	3	3	3
IC3401	AB19	-	-	-
IC3401	AB20	-	-	-
IC3401	AB21	-	-	-
IC3401	AB22	0	0	0
IC3401	AB23	-	-	-
IC3401	AB24	-	-	-
IC3401	AB25	-	-	-
IC3401	AB26	1.8	1.8	1.8
IC3401	AC1	1.2	1.2	1.2
IC3401	AC2	1.2	1.2	1.2
IC3401	AC3	0	0	0
IC3401	AC4	0	0	0
IC3401	AC5	-	-	-
IC3401	AC6	2.8	2.8	2.8
IC3401	AC7	0	0	0
IC3401	AC8	-	-	-
IC3401	AC9	2.8	2.8	2.8
IC3401	AC10	2.8	2.8	2.8
IC3401	AC11	-	-	-
IC3401	AC12	-	-	-
IC3401	AC13	-	-	-
IC3401	AC14	-	-	-
IC3401	AC15	-	-	-
IC3401	AC16	-	-	-
IC3401	AC17	3	3	3
IC3401	AC18	-	-	-
IC3401	AC19	-	-	-
IC3401	AC20	-	-	-
IC3401	AC21	-	-	-
IC3401	AC22	-	-	-
IC3401	AC23	0	0	0
IC3401	AC24	-	-	-
IC3401	AC25	1.2	1.2	1.2
IC3401	AC26	1.2	1.2	1.2
IC3401	AD1	1.8	1.8	1.8
IC3401	AD2	1.2	1.2	1.2
IC3401	AD3	0	0	0
IC3401	AD4	0	0	0
IC3401	AD5	-	-	-
IC3401	AD6	-	-	-
IC3401	AD7	-	-	-
IC3401	AD8	-	-	-
IC3401	AD9	-	-	-
IC3401	AD10	-	-	-
IC3401	AD11	-	-	-
IC3401	AD12	-	-	-
IC3401	AD13	-	-	-
IC3401	AD14	-	-	-
IC3401	AD15	-	-	-
IC3401	AD16	2.8	2.8	2.8
IC3401	AD17	-	-	-
IC3401	AD18	-	-	-
IC3401	AD19	-	-	-
IC3401	AD20	-	-	-
IC3401	AD21	-	-	-
IC3401	AD22	-	-	-
IC3401	AD23	1.2	1.2	1.2
IC3401	AD24	0	0	0
IC3401	AD25	1.2	1.2	1.2
IC3401	AD26	1.2	1.2	1.2
IC3401	AE1	0	0	0
IC3401	AE2	0	0	0
IC3401	AE3	1.2	1.2	1.2
IC3401	AE4	0	0	0
IC3401	AE5	-	-	-
IC3401	AE6	-	-	-
IC3401	AE7	-	-	-
IC3401	AE8	0	0	0
IC3401	AE9	-	-	-
IC3401	AE10	-	-	-
IC3401	AE11	-	-	-
IC3401	AE12	0	0	0
IC3401	AE13	3	3	3
IC3401	AE14	-	-	-
IC3401	AE15	-	-	-
IC3401	AE16	-	-	-
IC3401	AE17	2.8	2.8	2.8
IC3401	AE18	-	-	-
IC3401	AE19	-	-	-
IC3401	AE20	-	-	-
IC3401	AE21	-	-	-
IC3401	AE22	-	-	-
IC3401	AE23	1.2	1.2	1.2
IC3401	AE24	0	0	0
IC3401	AE25	0	0	0
IC3401	AE26	0	0	0
IC3401	AF1	0	0	0
IC3401	AF2	0	0	0
IC3401	AF3	1.2	1.2	1.2
IC3401	AF4	0	0	0
IC3401	AF5	-	-	-
IC3401	AF6	0	0	0
IC3401	AF7	-	-	-
IC3401	AF8	1.8	1.8	1.8
IC3401	AF9	0	0	0
IC3401	AF10	-	-	-
IC3401	AF11	-	-	-
IC3401	AF12	-	-	-
IC3401	AF13	0	0	0
IC3401	AF15	0	0	0
IC3401	AF16	-	-	-
IC3401	AF17	2.8	2.8	2.8
IC3401	AF18	3	3	3
IC3401	AF19	-	-	-
IC3401	AF20	-	-	-
IC3401	AF21	1.2	1.2	1.2
IC3401	AF22	-	-	-
IC3401	AF23	1.8	1.8	1.8
IC3401	AF24	0	0	0
IC3401	AF25	0	0	0
IC3401	AF26	0	0	0
IC3401	B1	0	0	0
IC3401	B2	0	0	0
IC3401	B3	1.2	1.2	1.2
IC3401	B4	0	0	0
IC3401	B5	-	-	-
IC3401	B6	1	1	1
IC3401	B7	3	3	3
IC3401	B8	0	0	0
IC3401	B9	0.9	0.9	0.9
IC3401	B10	0	0	0
IC3401	B11	1.8	1.8	1.8
IC3401	B12	-	-	-
IC3401	B13	-	-	-
IC3401	B14	-	-	-
IC3401	B15	-	-	-
IC3401	B16	-	-	-
IC3401	B17	-	-	-
IC3401	B18	-	-	-
IC3401	B19	-	-	-
IC3401	B20	0.1	0.1	0.1
IC3401	B21	0.3	0.3	0.3
IC3401	B22	-	-	-
IC3401	B23	3	3	3
IC3401	B24	0	0	0
IC3401	B25	0	0	0
IC3401	B26	0	0	0
IC3401	C1	0	0	0
IC3401	C2	0	0	0
IC3401	C3	0	0	0

REF NO.	PIN NO.	REC	PB	EE
IC3401	C4	0	0	0
IC3401	C5	1.2	1.2	1.2
IC3401	C6	1.2	1.2	1.2
IC3401	C7	3	3	3
IC3401	C8	0	0	0
IC3401	C9	-	-	-
IC3401	C10	0	0	0
IC3401	C11	0.6	0.6	0.6
IC3401	C12	-	-	-
IC3401	C13	-	-	-
IC3401	C14	-	-	-
IC3401	C15	-	-	-
IC3401	C16	1.4	1.4	1.4
IC3401	C17	-	-	-
IC3401	C18	-	-	-
IC3401	C19	-	-	-
IC3401	C20	-	-	-
IC3401	C21	-	-	-
IC3401	C22	0	0	0
IC3401	C23	0	0	0
IC3401	C24	0	0	0
IC3401	C25	1.2	1.2	1.2
IC3401	C26	1.2	1.2	1.2
IC3401	D1	1.8	1.8	1.8
IC3401	D2	1.8	1.8	1.8
IC3401	D3	-	-	-
IC3401	D4	0	0	0
IC3401	D5	-	-	-
IC3401	D6	3	3	3
IC3401	D7	3	3	3
IC3401	D8	0	0	0
IC3401	D9	1.8	1.8	1.8
IC3401	D10	0.1	1.4	1.4
IC3401	D11	1.8	1.8	1.8
IC3401	D12	3	3	3
IC3401	D13	-	-	-
IC3401	D14	-	-	-
IC3401	D15	1.4	1.4	1.4
IC3401	D16	2.8	2.8	2.8
IC3401	D17	-	-	-
IC3401	D18	-	-	-
IC3401	D19	-	-	-
IC3401	D20	-	-	-
IC3401	D21	0	0	0
IC3401	D22	1.2	1.2	1.2
IC3401	D23	0	0	0
IC3401	D24	1.2	1.2	1.2
IC3401	D25	1.2	1.2	1.2
IC3401	D26	1.8	1.8	1.8
IC3401	E1	-	-	-
IC3401	E2	-	-	-
IC3401	E3	-	-	-
IC3401	E4	-	-	-
IC3401	E5	0	0	0
IC3401	E6	3	3	3
IC3401	E7	0	0	0
IC3401	E8	3	3	3
IC3401	E9	1.8	1.8	1.8
IC3401	E10	1.8	1.8	1.8
IC3401	E11	-	-	-
IC3401	E12	3	3	3
IC3401	E13	-	-	-
IC3401	E14	-	-	-
IC3401	E15	-	-	-
IC3401	E16	3	3	3
IC3401	E17	-	-	-

REF NO.	PIN NO.	REC	PB	EE
IC3401	E18	-	-	-
IC3401	E19	1.1	1.1	1.1
IC3401	E20	0	0	0
IC3401	E21	1.2	1.2	1.2
IC3401	E22	0	0	0
IC3401	E23	0	0	0
IC3401	E24	1.1	1.1	1.1
IC3401	E25	1.1	1.1	1.1
IC3401	E26	1.1	1.1	1.1
IC3401	F1	-	-	-
IC3401	F2	-	-	-
IC3401	F3	-	-	-
IC3401	F4	-	-	-
IC3401	F5	-	-	-
IC3401	F6	0	0	0
IC3401	F22	0	0	0
IC3401	F23	0	0	0
IC3401	F24	0	0	0
IC3401	F25	0	0	0
IC3401	F26	0	0	0
IC3401	G1	-	-	-
IC3401	G2	-	-	-
IC3401	G3	-	-	-
IC3401	G4	-	-	-
IC3401	G5	-	-	-
IC3401	G7	0	0	0
IC3401	G8	0	0	0
IC3401	G9	0	0	0
IC3401	G10	1.2	1.2	1.2
IC3401	G11	1.1	1.1	1.1
IC3401	G12	0	0	0
IC3401	G13	0	0	0
IC3401	G14	0	0	0
IC3401	G15	0	0	0
IC3401	G16	-	-	-
IC3401	G17	-	-	-
IC3401	G18	0	0	0
IC3401	G19	1.2	1.2	1.2
IC3401	G20	0	0	0
IC3401	G22	0	0	0
IC3401	G23	3.2	3.2	3.2
IC3401	G24	0	0	0
IC3401	G25	0	0	0
IC3401	G26	0	0	0
IC3401	H1	-	-	-
IC3401	H2	-	-	-
IC3401	H3	-	-	-
IC3401	H4	-	-	-
IC3401	H5	0	0	0
IC3401	H7	0	0	0
IC3401	H8	0	0	0
IC3401	H9	1.2	1.2	1.2
IC3401	H10	1.2	1.2	1.2
IC3401	H11	1.1	1.1	1.1
IC3401	H12	0	0	0
IC3401	H13	0	0	0
IC3401	H14	0	0	0
IC3401	H15	0	0	0
IC3401	H16	-	-	-
IC3401	H17	0	0	0
IC3401	H18	1.2	1.2	1.2
IC3401	H19	0	0	0
IC3401	H20	0	0	0
IC3401	H22	3	3	3
IC3401	H23	3	3	3
IC3401	H24	3.2	3.2	3.2

REF NO.	PIN NO.	REC	PB	EE
IC3401	H25	3.2	3.2	3.2
IC3401	H26	3.2	3.2	3.2
IC3401	J1	-	-	-
IC3401	J2	-	-	-
IC3401	J3	-	-	-
IC3401	J4	-	-	-
IC3401	J5	-	-	-
IC3401	J7	-	-	-
IC3401	J8	-	-	-
IC3401	J9	0	0	0
IC3401	J10	0	0	0
IC3401	J11	1.1	1.1	1.1
IC3401	J12	0	0	0
IC3401	J13	0	0	0
IC3401	J14	0	0	0
IC3401	J15	0	0	0
IC3401	J16	1.1	1.1	1.1
IC3401	J17	1.2	1.2	1.2
IC3401	J18	0	0	0
IC3401	J19	-	-	-
IC3401	J20	0	0	0
IC3401	J22	3.2	3.2	3.2
IC3401	J23	0	0	0
IC3401	J24	3	3	3
IC3401	J25	3	3	3
IC3401	J26	3	3	3
IC3401	K1	-	-	-
IC3401	K2	1.8	1.8	1.8
IC3401	K3	-	-	-
IC3401	K4	-	-	-
IC3401	K5	-	-	-
IC3401	K7	-	-	-
IC3401	K8	-	-	-
IC3401	K9	0	0	0
IC3401	K10	0	0	0
IC3401	K11	1.1	1.1	1.1
IC3401	K12	0	0	0
IC3401	K13	0	0	0
IC3401	K14	0	0	0
IC3401	K15	0	0	0
IC3401	K16	1.1	1.1	1.1
IC3401	K17	0	0	0
IC3401	K18	-	-	-
IC3401	K19	-	-	-
IC3401	K20	3	3	3
IC3401	K22	3	3	3
IC3401	K23	3	3	3
IC3401	K24	3	3	3
IC3401	K25	3	3	3
IC3401	K26	0	0	0
IC3401	L1	0	0	0
IC3401	L2	-	-	-
IC3401	L3	0	0	0
IC3401	L4	-	-	-
IC3401	L5	-	-	-
IC3401	L7	0	0	0
IC3401	L8	3	3	3
IC3401	L9	0	0	0
IC3401	L10	0	0	0
IC3401	L11	1.1	1.1	1.1
IC3401	L12	0	0	0
IC3401	L13	0	0	0
IC3401	L14	0	0	0
IC3401	L15	0	0	0
IC3401	L16	1.1	1.1	1.1
IC3401	L17	-	-	-

REF NO.	PIN NO.	REC	PB	EE
IC3401	L18	-	-	-
IC3401	L19	-	-	-
IC3401	L20	-	-	-
IC3401	L22	3.2	3.2	3.2
IC3401	L23	-	-	-
IC3401	L24	-	-	-
IC3401	L25	-	-	-
IC3401	L26	-	-	-
IC3401	M1	-	-	-
IC3401	M2	-	-	-
IC3401	M3	0	0	0
IC3401	M4	-	-	-
IC3401	M5	-	-	-
IC3401	M7	3	3	3
IC3401	M8	0	0	0
IC3401	M9	0	0	0
IC3401	M10	0	0	0
IC3401	M11	1.1	1.1	1.1
IC3401	M12	1.1	1.1	1.1
IC3401	M13	1.1	1.1	1.1
IC3401	M14	1.1	1.1	1.1
IC3401	M15	1.1	1.1	1.1
IC3401	M16	1.1	1.1	1.1
IC3401	M17	3	3	3
IC3401	M18	3	3	3
IC3401	M19	0	0	0
IC3401	M20	-	-	-
IC3401	M22	3.2	3.2	3.2
IC3401	M23	-	-	-
IC3401	M24	-	-	-
IC3401	M25	3.2	3.2	3.2
IC3401	M26	-	-	-
IC3401	N1	-	-	-
IC3401	N2	1.8	1.8	1.8
IC3401	N3	-	-	-
IC3401	N4	0	0	0
IC3401	N5	0	0	0
IC3401	N7	0	0	0
IC3401	N8	3	3	3
IC3401	N9	0	0	0
IC3401	N10	0	0	0
IC3401	N11	1.1	1.1	1.1
IC3401	N12	1.1	1.1	1.1
IC3401	N13	1.1	1.1	1.1
IC3401	N14	1.1	1.1	1.1
IC3401	N15	1.1	1.1	1.1
IC3401	N16	1.1	1.1	1.1
IC3401	N17	0	0	0
IC3401	N18	0	0	0
IC3401	N19	0.6	0.6	0.6
IC3401	N20	0	0	0
IC3401	N22	0	0	0
IC3401	N23	3	3	3
IC3401	N24	0.6	0.6	0.6
IC3401	N25	3	3	3
IC3401	N26	1.2	1.2	1.2
IC3401	P1	0	0	0
IC3401	P2	-	-	-
IC3401	P3	-	-	-
IC3401	P4	0	0	0
IC3401	P5	0	0	0
IC3401	P7	0	0	0
IC3401	P8	0	0	0
IC3401	P9	0	0	0
IC3401	P10	0	0	0
IC3401	P11	1.1	1.1	1.1

REF NO.	PIN NO.	REC	PB	EE
IC3401	P12	1.1	1.1	1.1
IC3401	P13	1.1	1.1	1.1
IC3401	P14	1.1	1.1	1.1
IC3401	P15	1.1	1.1	1.1
IC3401	P16	0.6	0.6	0.6
IC3401	P17	-	-	-
IC3401	P18	3.1	3.1	3.1
IC3401	P19	0	0	0
IC3401	P20	0	0	0
IC3401	P22	3.2	3.2	3.2
IC3401	P23	3.2	3.2	3.2
IC3401	P24	-	-	-
IC3401	P25	1	1	1
IC3401	P26	1.4	1.4	1.4
IC3401	R1	1.1	1.1	1.1
IC3401	R2	-	-	-
IC3401	R3	0	0	0
IC3401	R4	0	0	0
IC3401	R5	0	0	0
IC3401	R7	1.2	1.2	1.2
IC3401	R8	1.2	1.2	1.2
IC3401	R9	1.2	1.2	1.2
IC3401	R10	1.2	1.2	1.2
IC3401	R11	1.1	1.1	1.1
IC3401	R12	1.1	1.1	1.1
IC3401	R13	1.1	1.1	1.1
IC3401	R14	1.1	1.1	1.1
IC3401	R15	1.1	1.1	1.1
IC3401	R16	0	0	0
IC3401	R17	3	3	3
IC3401	R18	-	-	-
IC3401	R19	3	3	3
IC3401	R20	1	1	1
IC3401	R22	3.2	3.2	3.2
IC3401	R23	0.7	0.7	0.7
IC3401	R24	3.1	3.1	3.1
IC3401	R25	3	3	3
IC3401	R26	0.6	0.6	0.6
IC3401	T1	1.2	1.2	1.2
IC3401	T2	1.2	1.2	1.2
IC3401	T3	1.2	1.2	1.2
IC3401	T4	0	0	0
IC3401	T5	1.8	1.8	1.8
IC3401	T7	0.6	0.6	0.6
IC3401	T8	0.6	0.6	0.6
IC3401	T9	-	-	-
IC3401	T10	-	-	-
IC3401	T11	1.1	1.1	1.1
IC3401	T12	1.1	1.1	1.1
IC3401	T13	0	0	0
IC3401	T14	-	-	-
IC3401	T15	-	-	-
IC3401	T16	1.1	1.1	1.1
IC3401	T17	-	-	-
IC3401	T18	0	0	0
IC3401	T19	1	1	1
IC3401	T20	0.6	0.6	0.6
IC3401	T22	3	3	3
IC3401	T23	0	0	0
IC3401	T24	3	3	3
IC3401	T25	1	1	1
IC3401	T26	3.1	3.1	3.1
IC3401	U1	-	-	-
IC3401	U2	-	-	-
IC3401	U3	-	-	-
IC3401	U4	1.2	1.2	1.2

REF NO.	PIN NO.	REC	PB	EE
IC3401	U5	2.8	2.8	2.8
IC3401	U7	1.8	1.8	1.8
IC3401	U8	2.8	2.8	2.8
IC3401	U9	0	0	0
IC3401	U10	-	-	-
IC3401	U11	-	-	-
IC3401	U12	-	-	-
IC3401	U13	-	-	-
IC3401	U14	-	-	-
IC3401	U15	-	-	-
IC3401	U16	1.1	1.1	1.1
IC3401	U17	0	0	0
IC3401	U18	0	0	0
IC3401	U19	3	3	3
IC3401	U20	3.2	3.2	3.2
IC3401	U22	1	1	1
IC3401	U23	1.2	1.2	1.2
IC3401	U24	0.6	0.6	0.6
IC3401	U25	0.6	0.6	0.6
IC3401	U26	0.6	0.6	0.6
IC3401	V1	0.9	0.9	0.9
IC3401	V2	1	1	1
IC3401	V3	0.7	0.7	0.7
IC3401	V4	0.7	0.7	0.7
IC3401	V5	-	-	-
IC3401	V7	-	-	-
IC3401	V8	-	-	-
IC3401	V9	0	0	0
IC3401	V10	0	0	0
IC3401	V11	2.8	2.8	2.8
IC3401	V12	2.9	2.9	2.9
IC3401	V13	2.8	2.8	2.8
IC3401	V14	3	3	3
IC3401	V15	-	-	-
IC3401	V16	-	-	-
IC3401	V17	-	-	-
IC3401	V18	0	0	0
IC3401	V19	3	3	3
IC3401	V20	3	3	3
IC3401	V22	-	-	-
IC3401	V23	1.2	1.2	1.2
IC3401	V24	1	1	1
IC3401	V25	-	-	-
IC3401	V26	1.2	1.2	1.2
IC3401	W1	-	-	-
IC3401	W2	0.9	0.9	0.9
IC3401	W3	0.4	0.4	0.4
IC3401	W4	-	-	-
IC3401	W5	0	0	0
IC3401	W7	-	-	-
IC3401	W8	0	0	0
IC3401	W9	-	-	-
IC3401	W10	0	0	0
IC3401	W11	-	-	-
IC3401	W12	-	-	-
IC3401	W13	-	-	-
IC3401	W14	-	-	-
IC3401	W15	1.4	1.4	1.4
IC3401	W16	-	-	-
IC3401	W17	-	-	-
IC3401	W18	3	3	3
IC3401	W19	0	0	0
IC3401	W20	0	0	0
IC3401	W22	-	-	-
IC3401	W23	-	-	-
IC3401	W24	-	-	-

REF NO.	PIN NO.	REC	PB	EE
IC3401	W25	-	-	-
IC3401	W26	-	-	-
IC3401	Y1	0.7	0.7	0.7
IC3401	Y2	0.6	0.6	0.6
IC3401	Y3	1.8	1.8	1.8
IC3401	Y4	-	-	-
IC3401	Y5	-	-	-
IC3401	Y7	0	0	0
IC3401	Y8	-	-	-
IC3401	Y9	0	0	0
IC3401	Y10	0	0	0
IC3401	Y11	-	-	-
IC3401	Y12	-	-	-
IC3401	Y13	3	3	3
IC3401	Y14	0	0	0
IC3401	Y15	0	0	0
IC3401	Y16	-	-	-
IC3401	Y17	-	-	-
IC3401	Y18	-	-	-
IC3401	Y19	3	3	3
IC3401	Y20	0	0	0
IC3401	Y22	-	-	-
IC3401	Y23	-	-	-
IC3401	Y24	-	-	-
IC3401	Y25	-	-	-
IC3401	Y26	-	-	-
IC3402	1	0	0	0
IC3402	2	0	0	0
IC3402	3	0	0	0
IC3402	4	0	0	0
IC3402	5	0	0	0
IC3402	6	0	0	0
IC3402	7	-	-	-
IC3402	8	3	3	3
IC3402	9	-	-	-
IC3402	10	-	-	-
IC3402	11	-	-	-
IC3402	12	-	-	-
IC3402	13	-	-	-
IC3402	14	-	-	-
IC3402	15	0	0	0
IC3402	16	0	0	0
IC3402	17	2.9	2.9	2.9
IC3402	18	-	-	-
IC3402	19	-	-	-
IC3402	20	-	-	-
IC3402	21	-	-	-
IC3402	22	-	-	-
IC3402	23	-	-	-
IC3402	24	-	-	-
IC3402	25	0	0	0
IC3402	26	-	-	-
IC3402	27	-	-	-
IC3402	28	-	-	-
IC3402	29	-	-	-
IC3402	30	-	-	-
IC3402	31	-	-	-
IC3402	32	-	-	-
IC3402	33	-	-	-
IC3402	34	0	0	0
IC3402	35	-	-	-
IC3402	36	-	-	-
IC3402	37	-	-	-
IC3402	38	0	0	0
IC3402	39	-	-	-
IC3402	40	0	0	0

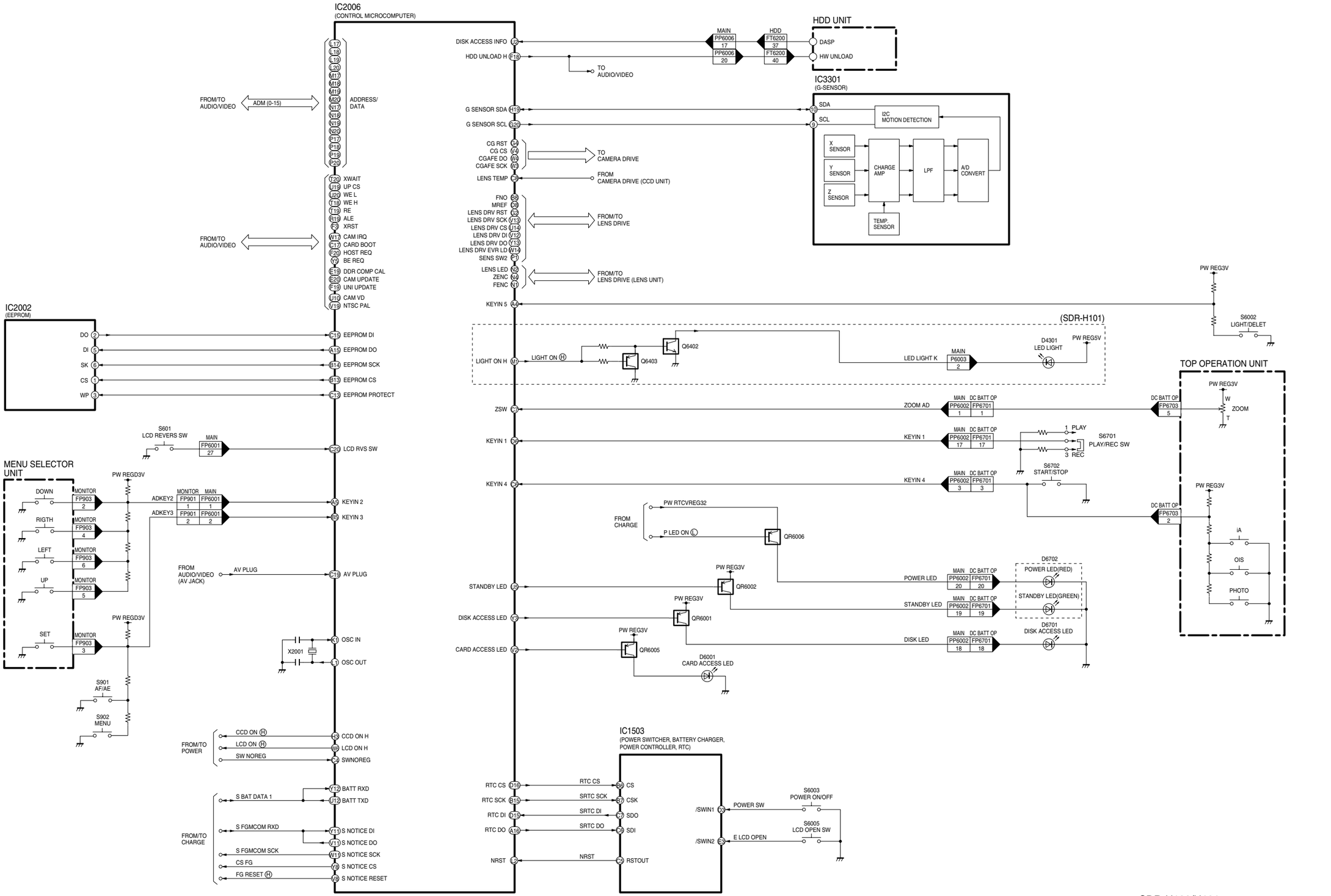
REF NO.	PIN NO.	REC	PB	EE
IC3402	41	-	-	-
IC3402	42	0	0	0
IC3402	43	-	-	-
IC3402	44	-	-	-
IC3402	45	-	-	-
IC3402	46	0	0	0
IC3402	47	-	-	-
IC3402	48	-	-	-
IC3402	49	-	-	-
IC3402	50	0	0	0
IC3402	51	0	0	0
IC3402	52	0	0	0
IC3402	53	-	-	-
IC3402	54	3	3	3
IC3402	55	3	3	3
IC3402	56	-	-	-
IC3402	57	-	-	-
IC3402	58	-	-	-
IC3402	59	-	-	-
IC3402	60	0	0	0
IC3402	61	0	0	0
IC3402	62	0	0	0
IC3402	63	0	0	0
IC3402	64	0	0	0
IC3402	65	0	0	0
IC3402	66	0	0	0
IC3402	67	0	0	0
IC3701	1	0.1	1.4	1.4
IC3701	2	0.1	1.4	1.4
IC3701	3	1.8	1.8	1.8
IC3701	4	1.8	1.8	1.8
IC3701	5	1.8	1.8	1.8
IC3701	6	1.8	1.8	1.8
IC3701	7	0	0	0
IC3701	8	1.8	1.8	1.8
IC3701	9	-	-	-
IC3701	10	-	-	-
IC3701	11	-	-	-
IC3701	12	3	3	3
IC3701	13	0	0	0
IC3701	14	0.8	0.8	0.8
IC3701	15	1.2	1.2	1.2
IC3701	16	4.8	4.8	4.8
IC3701	17	3.4	3.4	3.4
IC3701	18	3.4	3.4	3.4
IC3701	19	4.9	4.9	4.9
IC3701	20	0	0	0
IC3701	21	-	-	-
IC3701	22	1.4	1.4	1.4
IC3701	23	3.1	3.1	3.1
IC3701	24	0	0	0
IC3701	25	1.4	1.4	1.4
IC3701	26	4.9	4.9	4.9
IC3701	27	4.6	4.6	4.6
IC3701	28	0	0	0
IC3701	29	1.5	1.5	1.5
IC3701	30	1.5	1.5	1.5
IC3701	31	1.5	1.5	1.5
IC3701	32	1.5	1.5	1.5
IC3701	33	0	0	0
IC3701	34	1.5	1.5	1.5
IC3701	35	3	3	3
IC3701	36	3	3	3
IC3701	37	0.6	0.6	0.6
IC3701	38	1.8	1.8	1.8
IC3701	39	0.9	0.9	0.9

REF NO.	PIN NO.	REC	PB	EE
IC3701	40	0	0	0
IC4801	1	2.4	2.4	2.4
IC4801	2	2.4	2.4	2.4
IC4801	3	2.4	2.4	2.4
IC4801	4	0	0	0
IC4801	5	2.4	2.4	2.4
IC4801	6	2.4	2.4	2.4
IC4801	7	2.4	2.4	2.4
IC4801	8	4.8	4.8	4.8
Q703	E	1.4		1.4
Q703	C	1.4		1.4
Q703	B	0		0
Q704	E	1.4		1.4
Q704	C	1.4		1.4
Q704	B	0		0
Q1372	E	12.6	12.6	12.6
Q1372	C	8.8	8.8	8.8
Q1372	B	11.9	11.9	11.9
Q1373	E	0	0	0
Q1373	C	11.9	11.9	11.9
Q1373	B	1.8	1.8	1.8
Q1374	E	0	0	0
Q1374	C	8.8	8.8	8.8
Q1374	B	2.3	2.3	2.3
Q1421	E	3	3	3
Q1421	C	2.9	2.9	2.9
Q1421	B	2.2	2.2	2.2
Q1471	E	0	0	0
Q1471	C	0	0	0
Q1471	B	0.7	0.7	0.7
Q1501	1	5	5	5
Q1501	2	3.2	3.2	3.2
Q1501	3	5	5	5
Q1501	4	1.2	1.2	1.2
Q1501	5	9.2	9.2	9.2
Q1501	6	9.2	9.2	9.2
Q1501	7	4.8	4.8	4.8
Q1501	8	4.8	4.8	4.8
Q1502	1	8.6	8.6	8.6
Q1502	2	4.8	4.8	4.8
Q1502	3	8.6	8.6	8.6
Q1502	4	4.8	4.8	4.8
Q1502	5	8.6	8.6	8.6
Q1502	6	8.6	8.6	8.6
Q1502	7	8.6	8.6	8.6
Q1502	8	8.6	8.6	8.6
Q1503	1	4.8	4.8	4.8
Q1503	2	4.8	4.8	4.8
Q1503	3	4.8	4.8	4.8
Q1503	4	4.9	4.9	4.9
Q1503	5	4.8	4.8	4.8
Q1503	6	4.8	4.8	4.8
Q1504	S	3	3	3
Q1504	D	0	0	0
Q1504	G	3	3	3
Q2001	E	3	3	3
Q2001	C	3	3	3
Q2001	B	2.2	2.2	2.2
Q4801	E	4.8	4.8	4.8
Q4801	C	4.8	4.8	4.8
Q4801	B	4.2	4.2	4.2
Q6402	E	0	0	0
Q6402	C	0	0	0
Q6402	B	4.2	4.2	4.2
Q6403	E	0	0	0
Q6403	C	0	0	0

REF NO.	PIN NO.	REC	PB	EE
Q6403	B	0	0	0
QR701	E	0		0
QR701	C	0		0
QR701	B	2.8		2.8
QR1001	E	0	0	0
QR1001	C	0	0	0
QR1001	B	2.8	2.8	2.8
QR1002	E	5	5	5
QR1002	C	5	5	5
QR1002	B	0	0	0
QR1101	E	0	0	0
QR1101	C	4.8	4.8	4.8
QR1101	B	0	0	0
QR1411	E	4.9	4.9	4.9
QR1411	C	4.9	4.9	4.9
QR1411	B	0.7	0.7	0.7
QR1471	E	8.8	8.8	8.8
QR1471	C	8.7	8.7	8.7
QR1471	B	0.7	0.7	0.7
QR1503	E	0	0	0
QR1503	C	3	3	3
QR1503	B	0	0	0
QR2308	E	3.2	3.2	3.2
QR2308	C	3.1	3.1	3.1
QR2308	B	2.5	2.5	2.5
QR3401	E	0	0	0
QR3401	C	0	0	0
QR3401	B	4.9	4.9	4.9
QR3402	E	3	3	3
QR3402	C	3	3	3
QR3402	B	0	0	0
QR6001	E	3	3	3
QR6001	C	2.9	2.9	2.9
QR6001	B	0	0	0
QR6002	E	3	3	3
QR6002	C	0	0	0
QR6002	B	2.8	2.8	2.8
QR6005	E	3	3	3
QR6005	C	0	0	0
QR6005	B	2.8	2.8	2.8
QR6006	E	3.2	3.2	3.2
QR6006	C	3.2	3.2	3.2
QR6006	B	0	0	0
QR6007	E	3.2	3.2	3.2
QR6007	C	3.2	3.2	3.2
QR6007	B	0	0	0

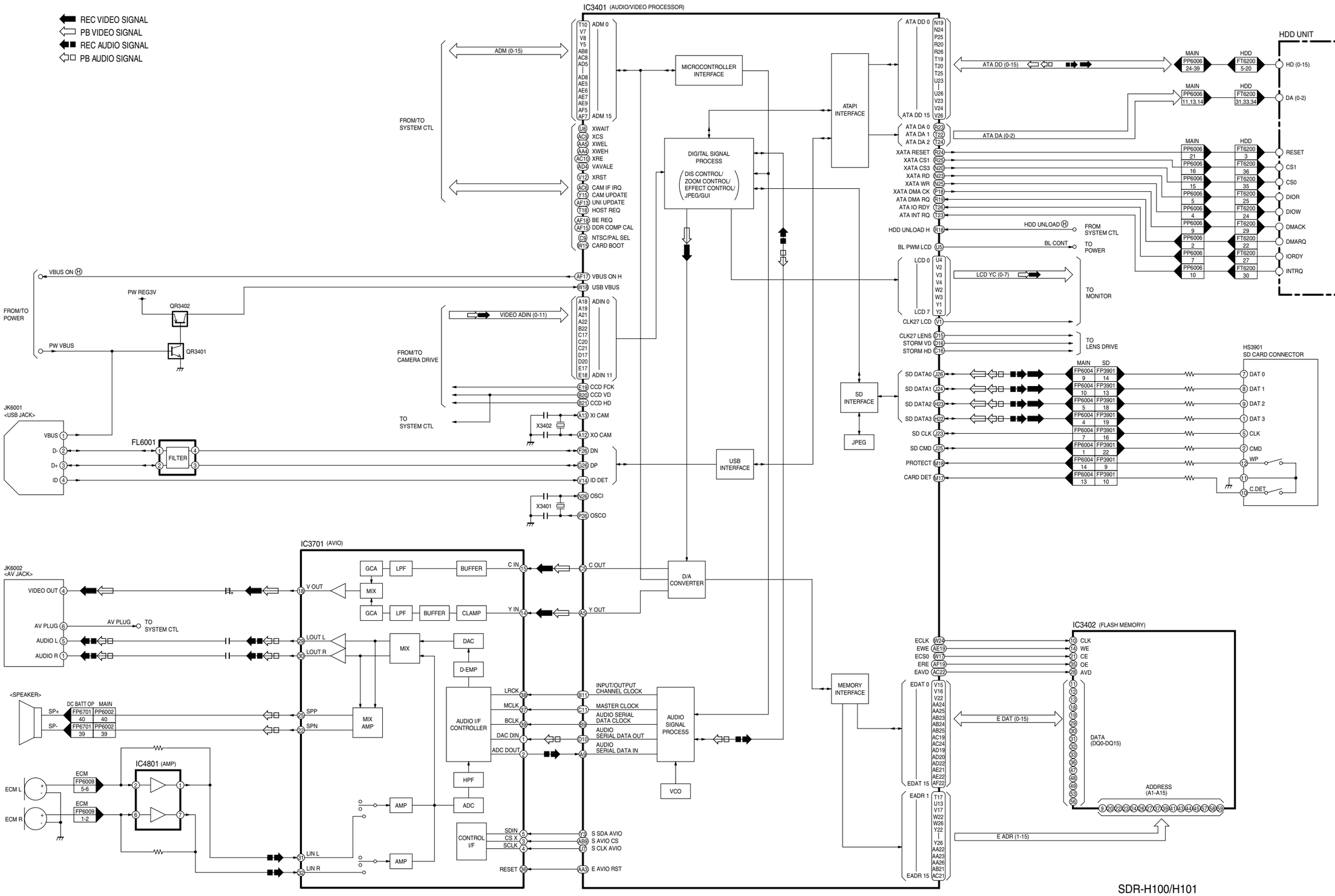
S3. Block Diagram

S3.1. System Control Block Diagram



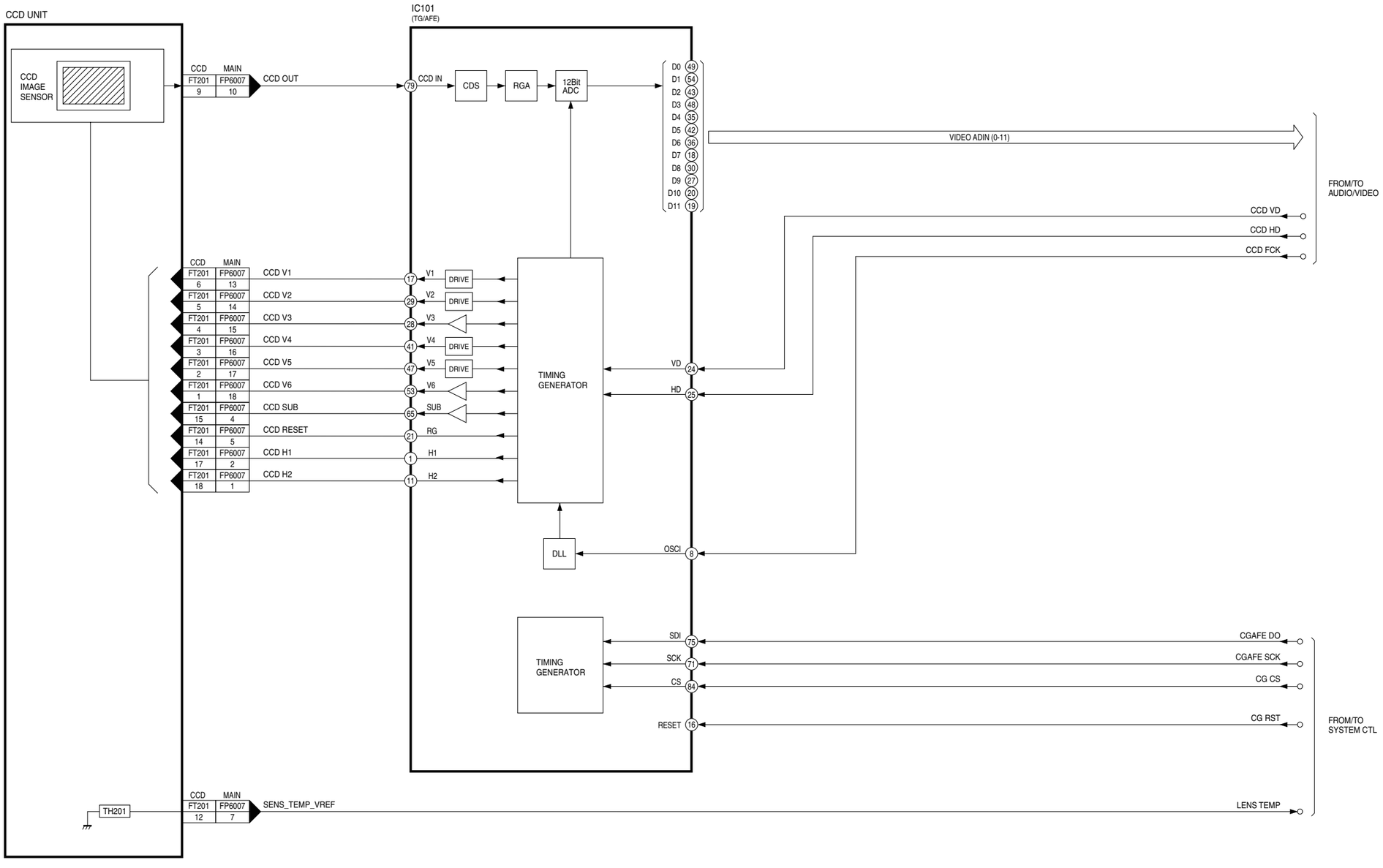
SDR-H100/H101
SYSTEM CONTROL BLOCK DIAGRAM

S3.2. Audio/Video Block Diagram



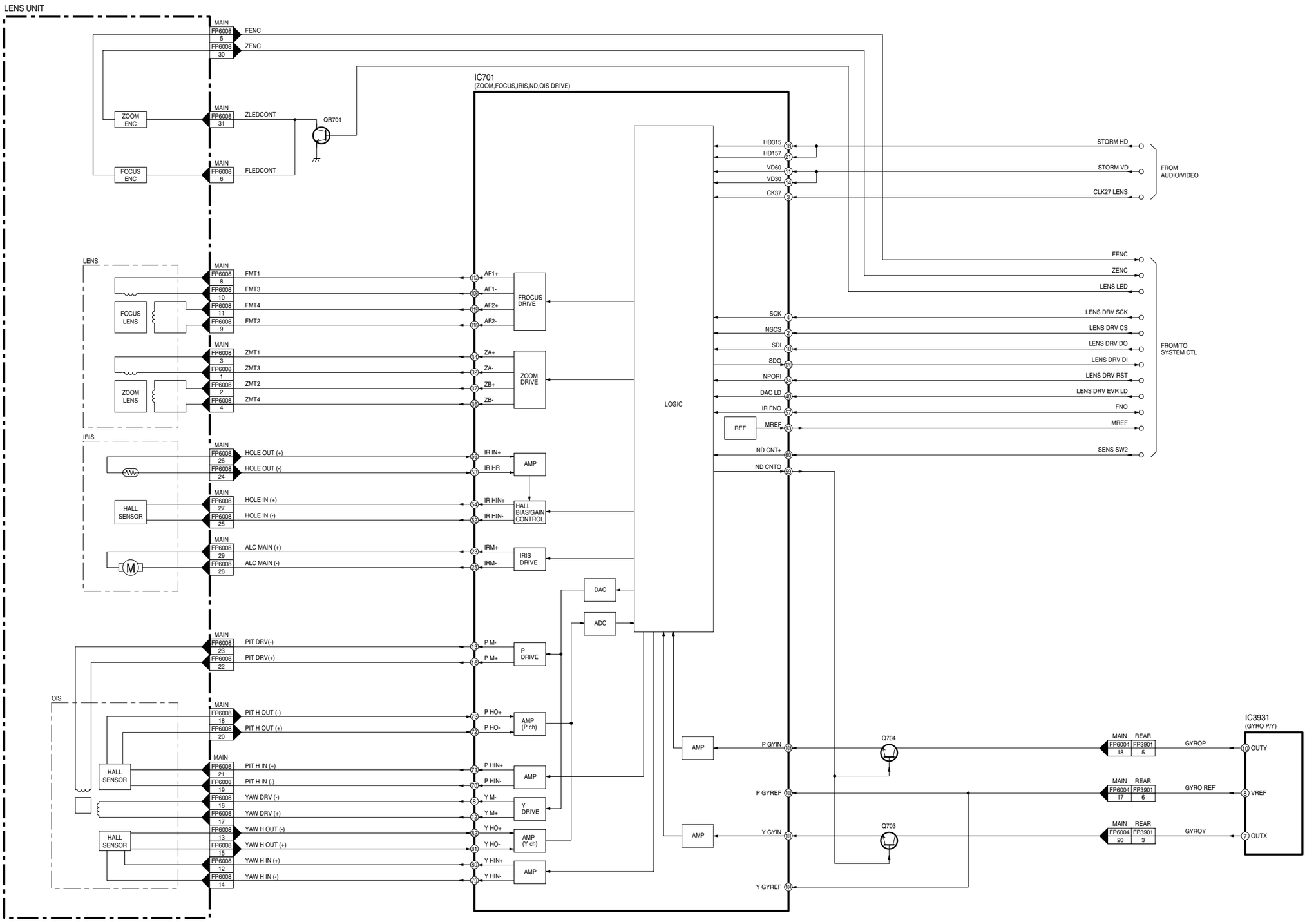
SDR-H100/H101
AUDIO/VIDEO BLOCK DIAGRAM

S3.3. Camera Drive Block Diagram



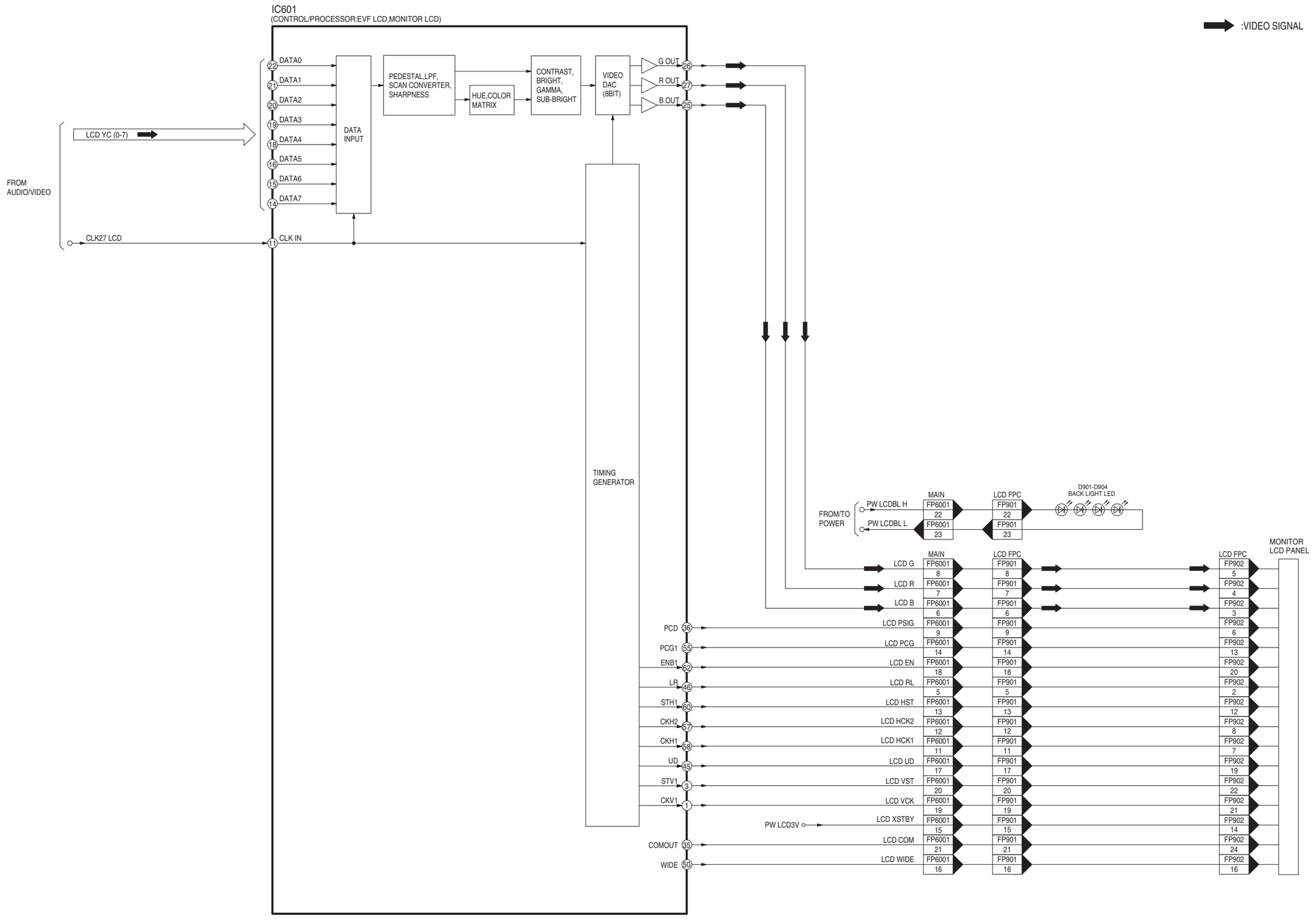
SDR-H100/H101
CAMERA DRIVE BLOCK DIAGRAM

S3.4. Lens Drive Block Diagram



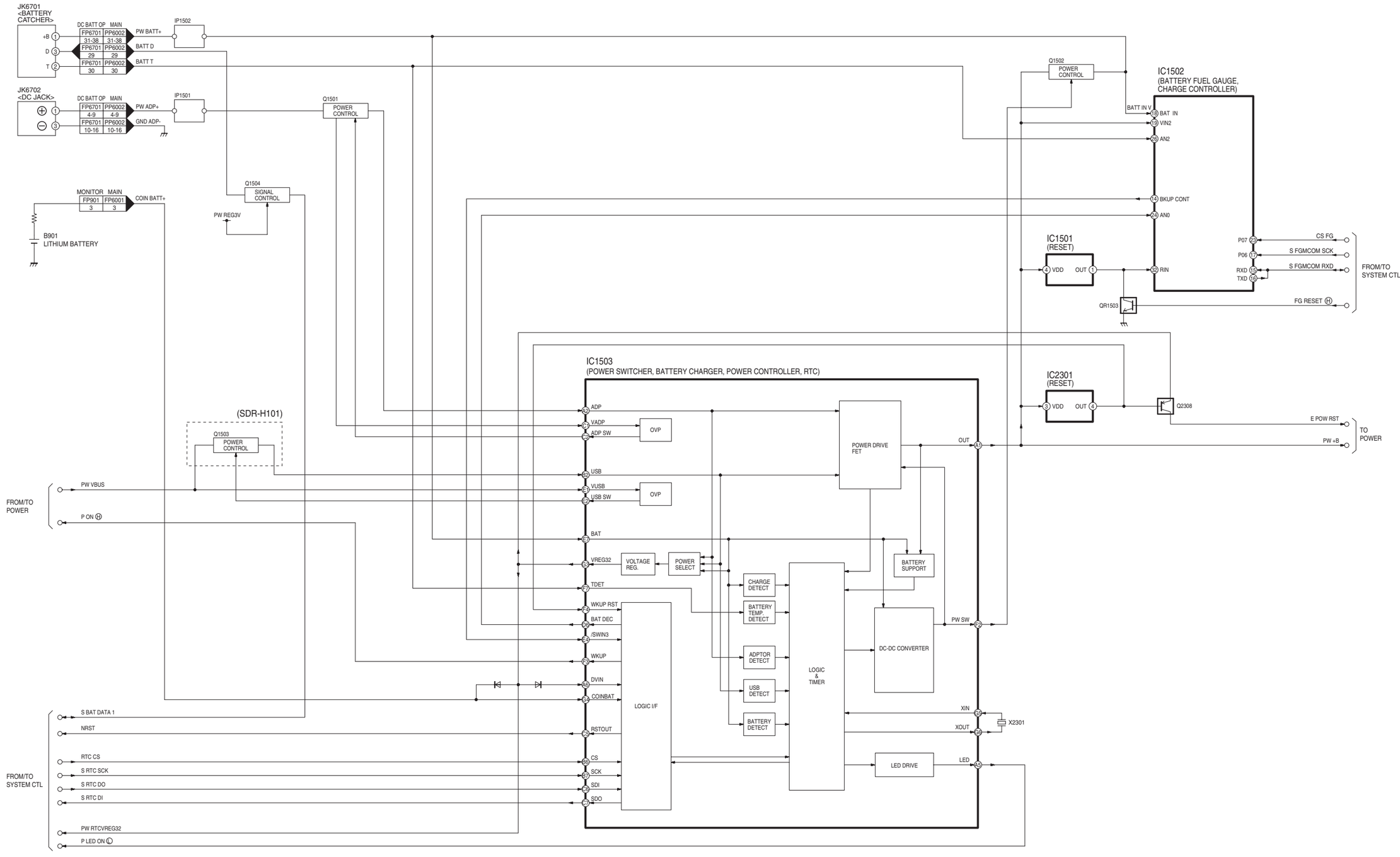
SDR-H100/H101
LENS DRIVE BLOCK DIAGRAM

S3.5. Monitor Block Diagram



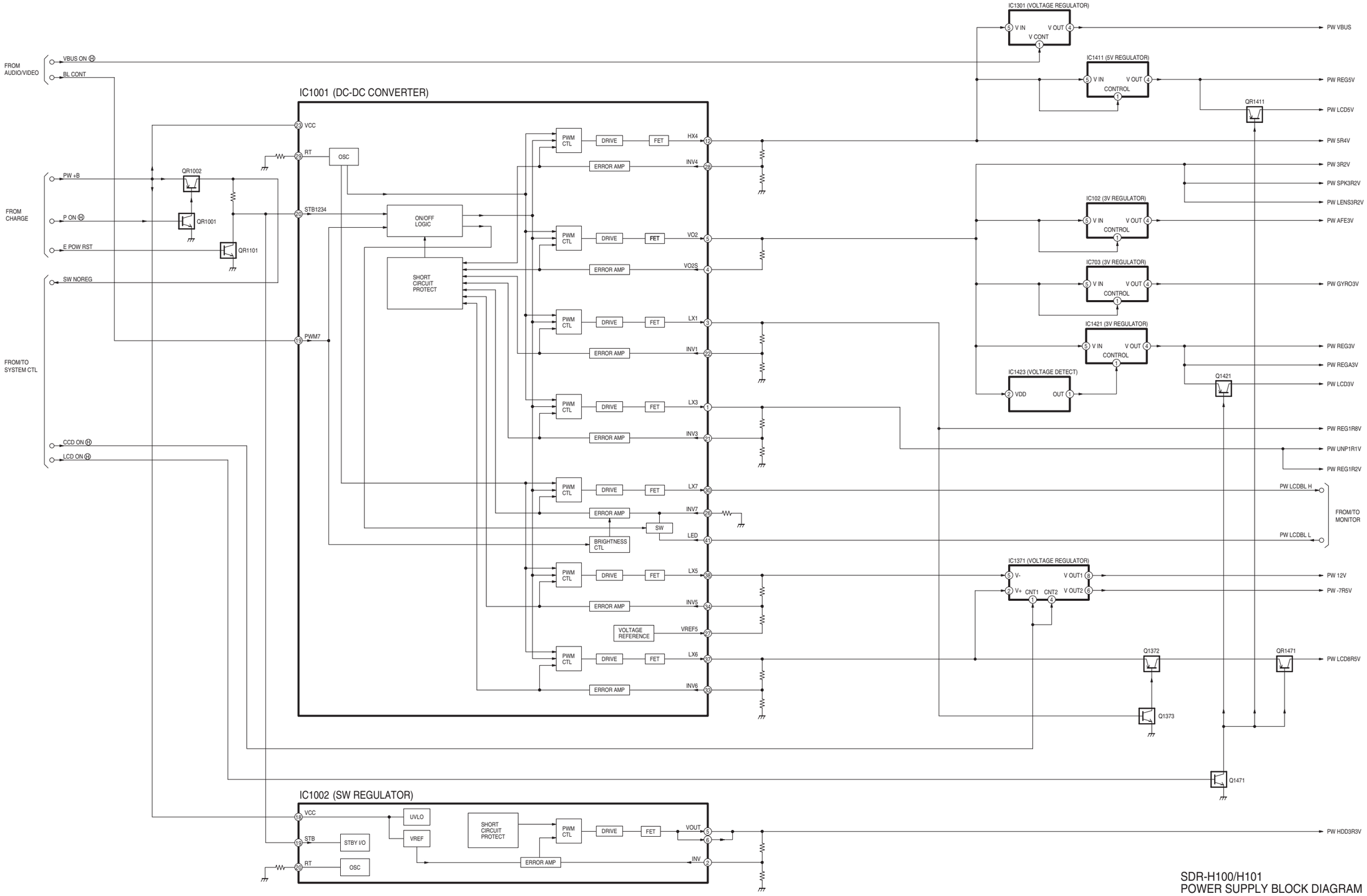
SDR-H100/H101
MONITOR BLOCK DIAGRAM

S3.6. Charge Block Diagram



SDR-H100/H101
CHARGE BLOCK DIAGRAM

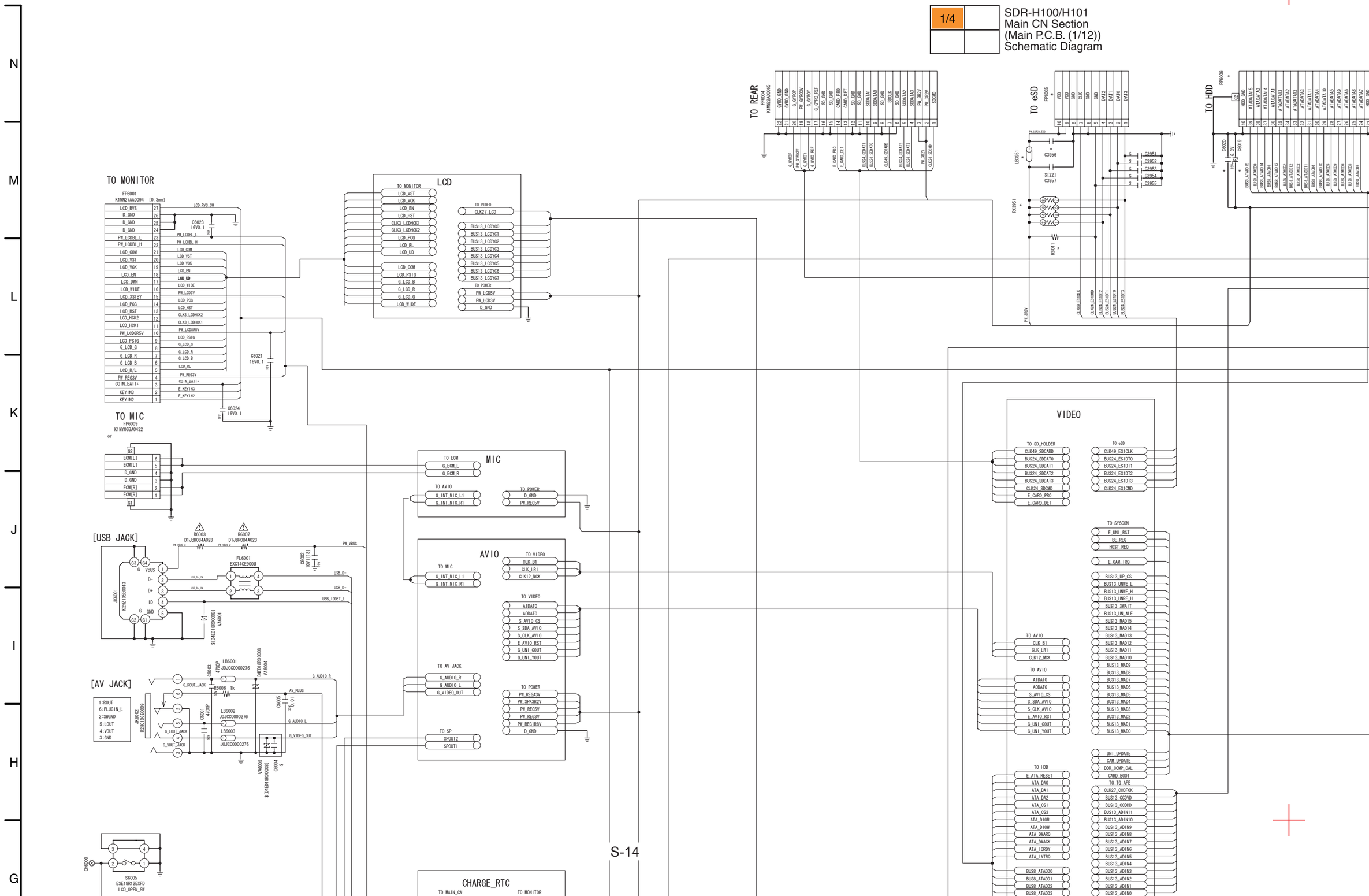
S3.7. Power Supply Block Diagram



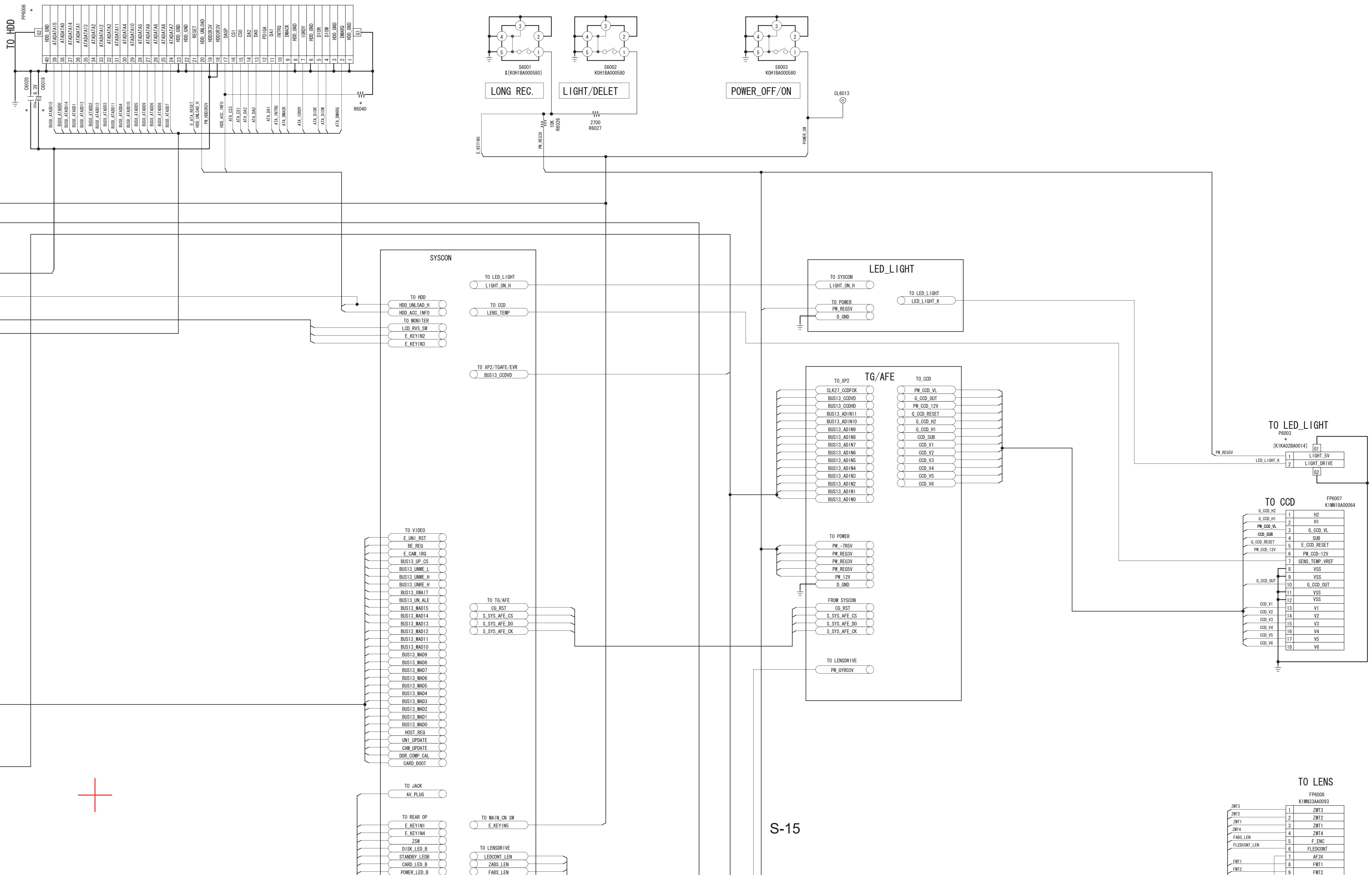
SDR-H100/H101
POWER SUPPLY BLOCK DIAGRAM

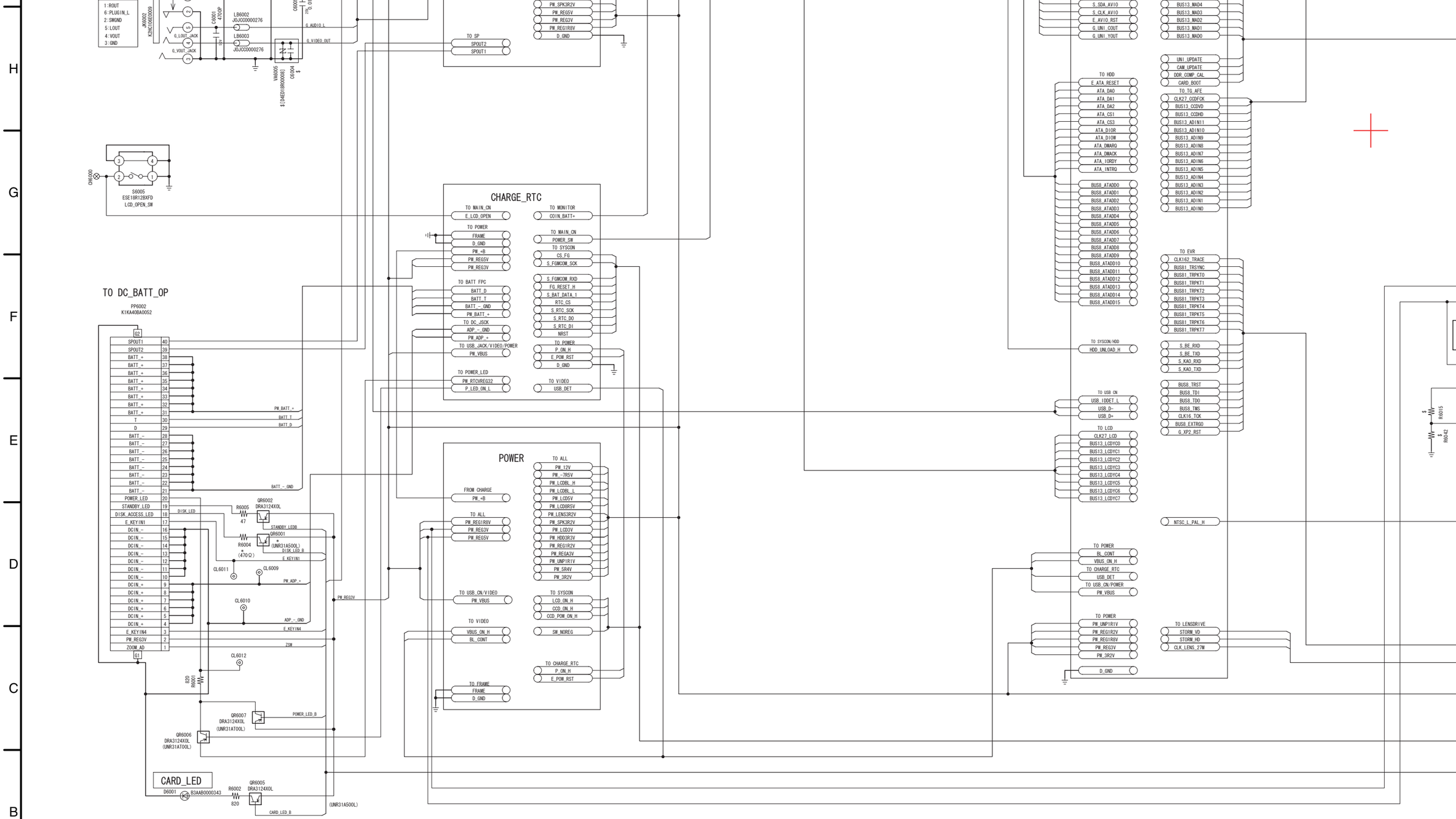
S4. Schematic Diagram

S4.1. Main CN Schematic Diagram



SDR-H100/H101
Main CN Section
(Main P.C.B. (1/12))
Schematic Diagram





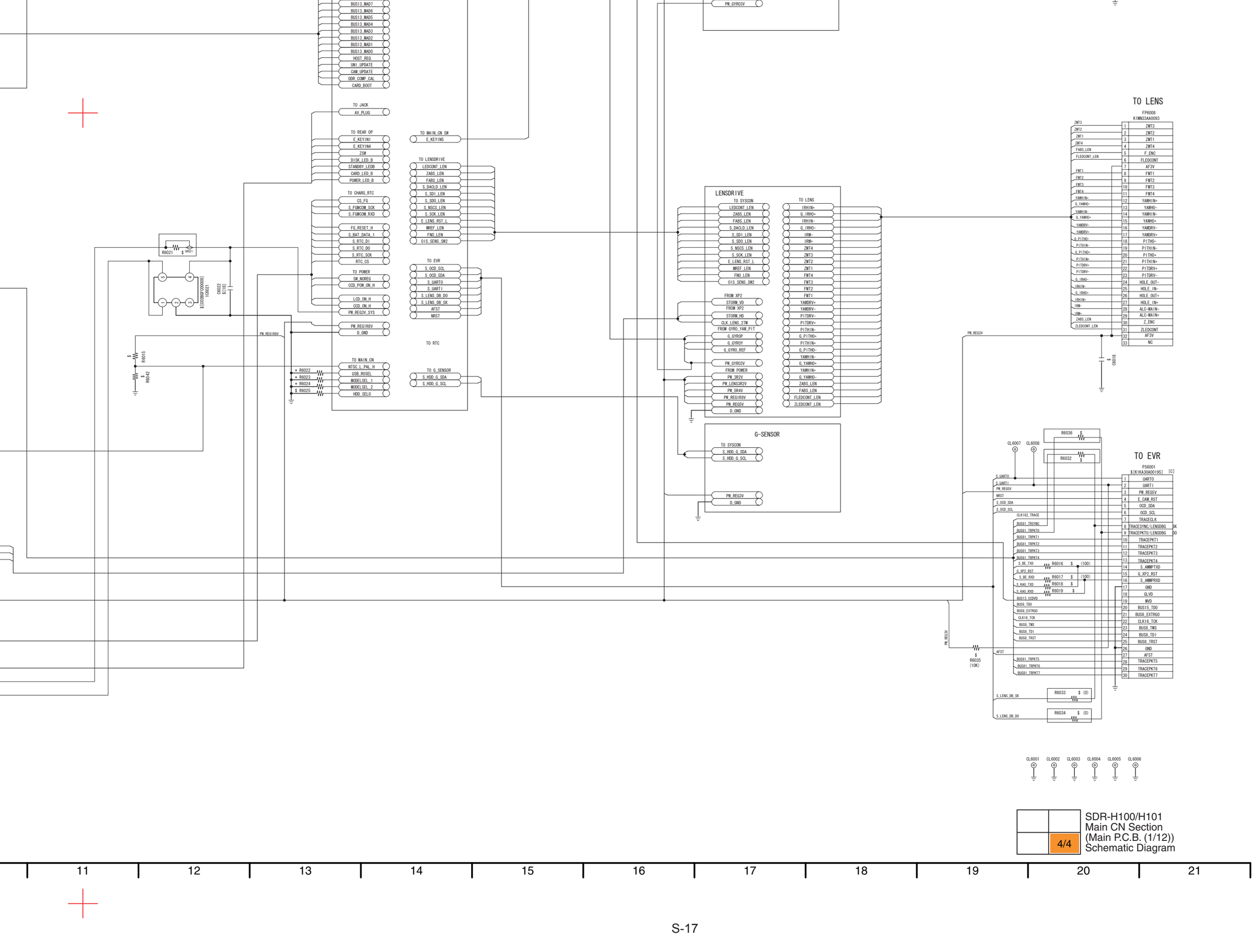
VariationCategory

	AN/AQ	AP	BN/BQ	BP	CN/CQ	CP	BM/BR	AM/AR	CM/CR	AS
C3956	$	$	0.1	0.1	$	$	0.1	$	$	$
C6019	F3F0J476A032	F3F0J476A032	$[F3F0J476A032]	$[F3F0J476A032]	$[F3F0J476A032]	$[F3F0J476A032]	$[F3F0J476A032]	F3F0J476A032	$[F3F0J476A032]	F3F0J476A032
C6020	0.01	0.01	$	$	$	$	$	0.01	$	0.01
FP6005	$[K1MN10A00074]	$[K1MN10A00074]	K1MN10A00074	K1MN10A00074	$[K1MN10A00074]	$[K1MN10A00074]	K1MN10A00074	$[K1MN10A00074]	$[K1MN10A00074]	$[K1MN10A00074]
LB3951	$[JOJYC0000051]	$[JOJYC0000051]	JOJYC0000051	JOJYC0000051	$[JOJYC0000051]	$[JOJYC0000051]	JOJYC0000051	$[JOJYC0000051]	$[JOJYC0000051]	$[JOJYC0000051]
P6003	$[K1KA02BA0014]	$[K1KA02BA0014]	$[K1KA02BA0014]	$[K1KA02BA0014]	$[K1KA02BA0014]	$[K1KA02BA0014]	K1KA02BA0014	K1KA02BA0014	K1KA02BA0014	K1KA02BA0014
LED_LIGHT PP6006	K1KA40BA0052	K1KA40BA0052	$[K1KA40BA0052]	$[K1KA40BA0052]	$[K1KA40BA0052]	$[K1KA40BA0052]	$[K1KA40BA0052]	K1KA40BA0052	$[K1KA40BA0052]	K1KA40BA0052
HDD_LED QR6001	DRA3124X0L	DRA3124X0L	$[DRA3124X0L]	$[DRA3124X0L]	$[DRA3124X0L]	$[DRA3124X0L]	$[DRA3124X0L]	DRA3124X0L	$[DRA3124X0L]	DRA3124X0L
HDD_LED R6004	470	470	$	$	$	$	$	470	$	470
ESD PU R6011	$	$	10K	10K	$	$	10K	$	$	$
USB R6022	$	2.2	$	22	$	2.2	$	$	$	22
SEL1 R6023	22	22	$	$	$	$	$	22	$	2.2
SEL2 R6024	$	$	$	$	22	22	$	$	22	$
HDD_ACS_INFO R6040	56K	56K	$	$	$	$	$	56K	$	56K
RX3951	$[D1H86834A024]	$[D1H86834A024]	D1H86834A024	D1H86834A024	$[D1H86834A024]	$[D1H86834A024]	D1H86834A024	$[D1H86834A024]	$[D1H86834A024]	$[D1H86834A024]

Modify Category

	Variation	Type
1	H100-NTSC-LIGHT	AM
2	H100-NTSC	AN
3	H100-PAL-OUT	AP
4	H100-PAL-IN-OUT	AQ
5	H100-LIGHT	AR
6	T70-NTSC-LIGHT	BM
7	T70-NTSC	BN
8	T70-PAL-OUT	BP
9	T70-PAL-IN-OUT	BQ
10	T70-PAL-LIGHT	BR
11	S70-NTSC-LIGHT	CM
12	S70-NTSC	CN
13	S70-PAL-OUT	CP
14	S70-PAL-IN-OUT	CQ
15	S70-PAL-LIGHT	CR
16	H100-PAL-OUT-LIGHT	AS

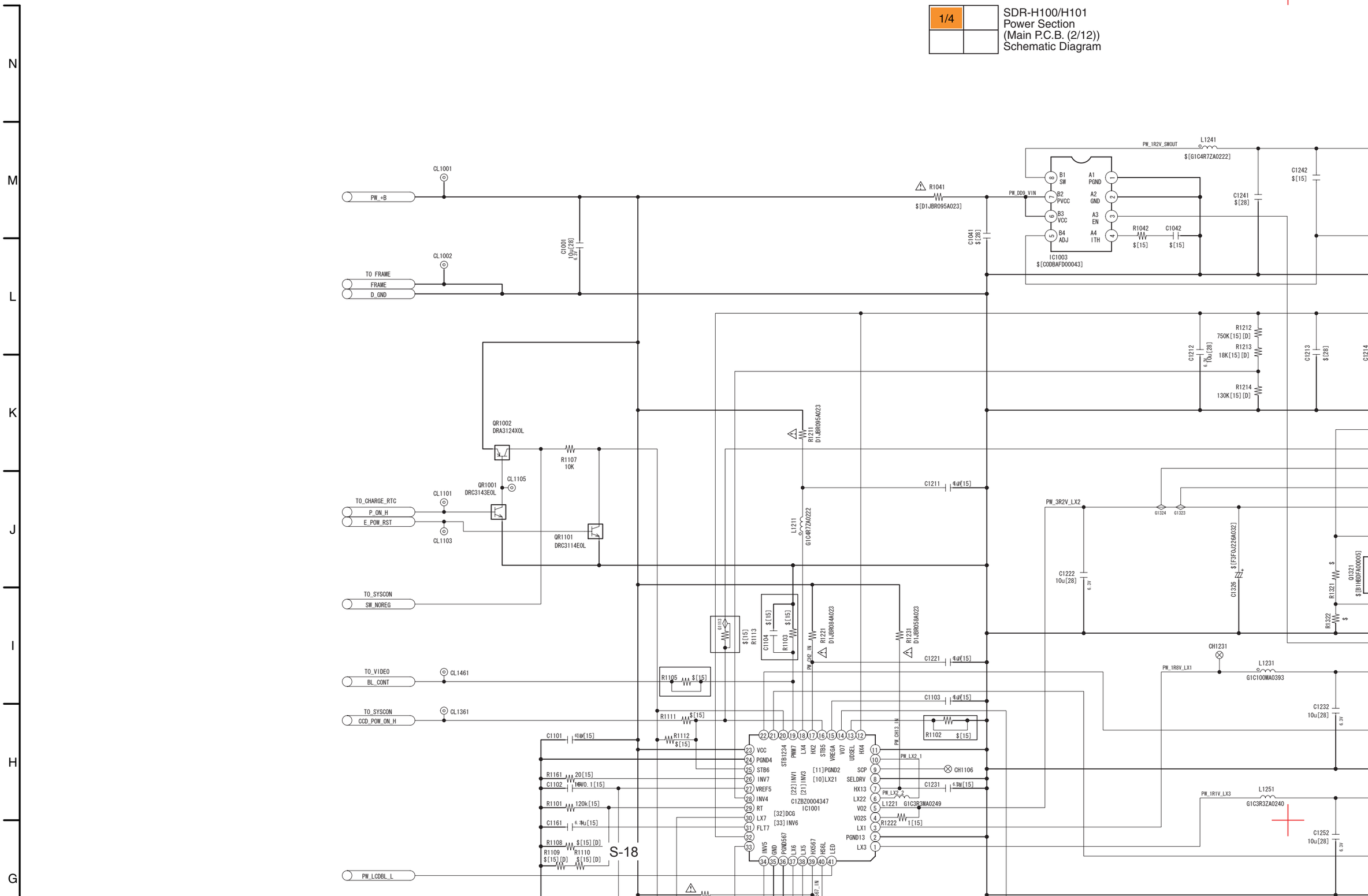
SDR-H100/H101
Main CN Section
(Main P.C.B. (1/12))
Schematic Diagram
3/4

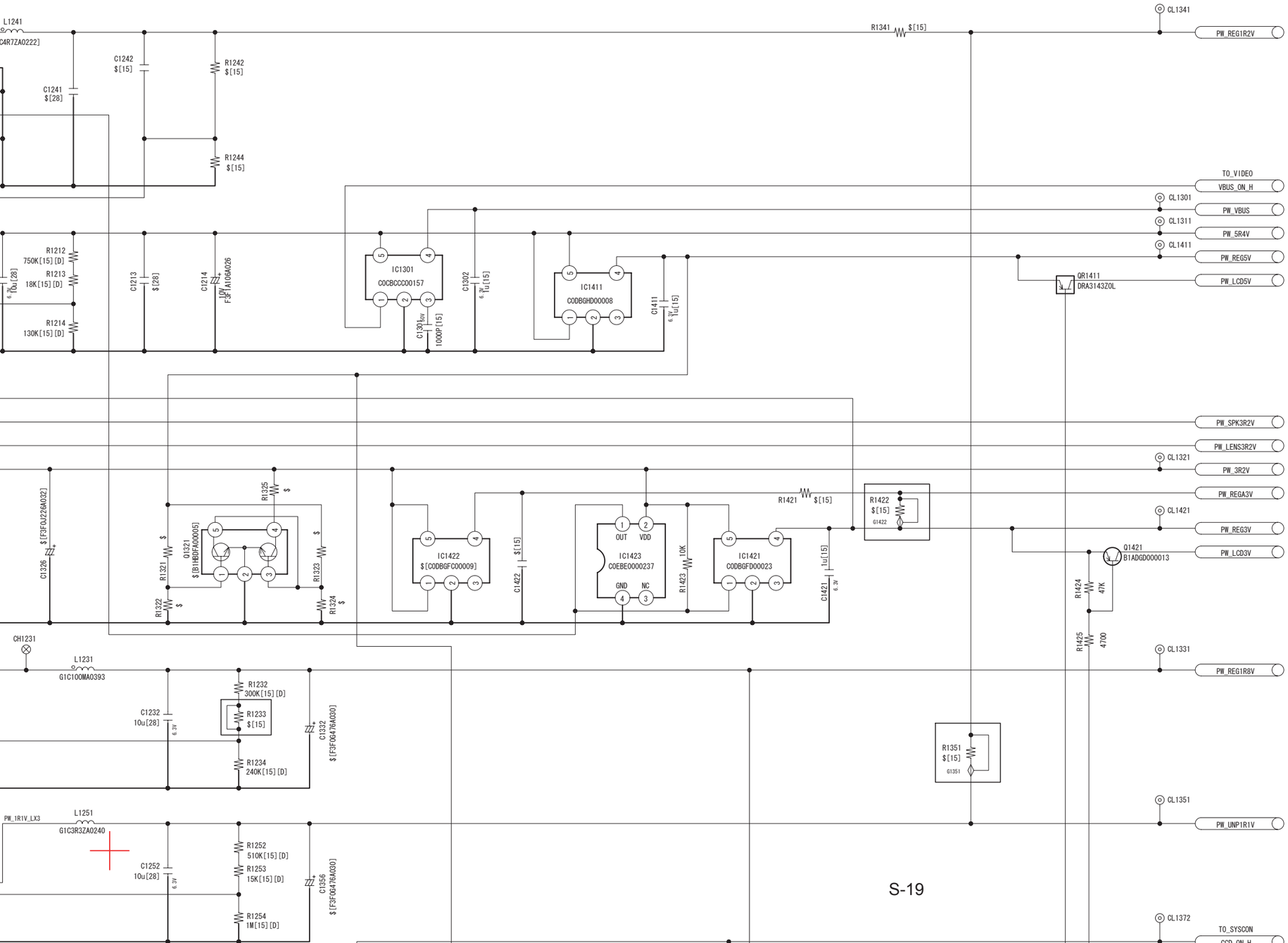


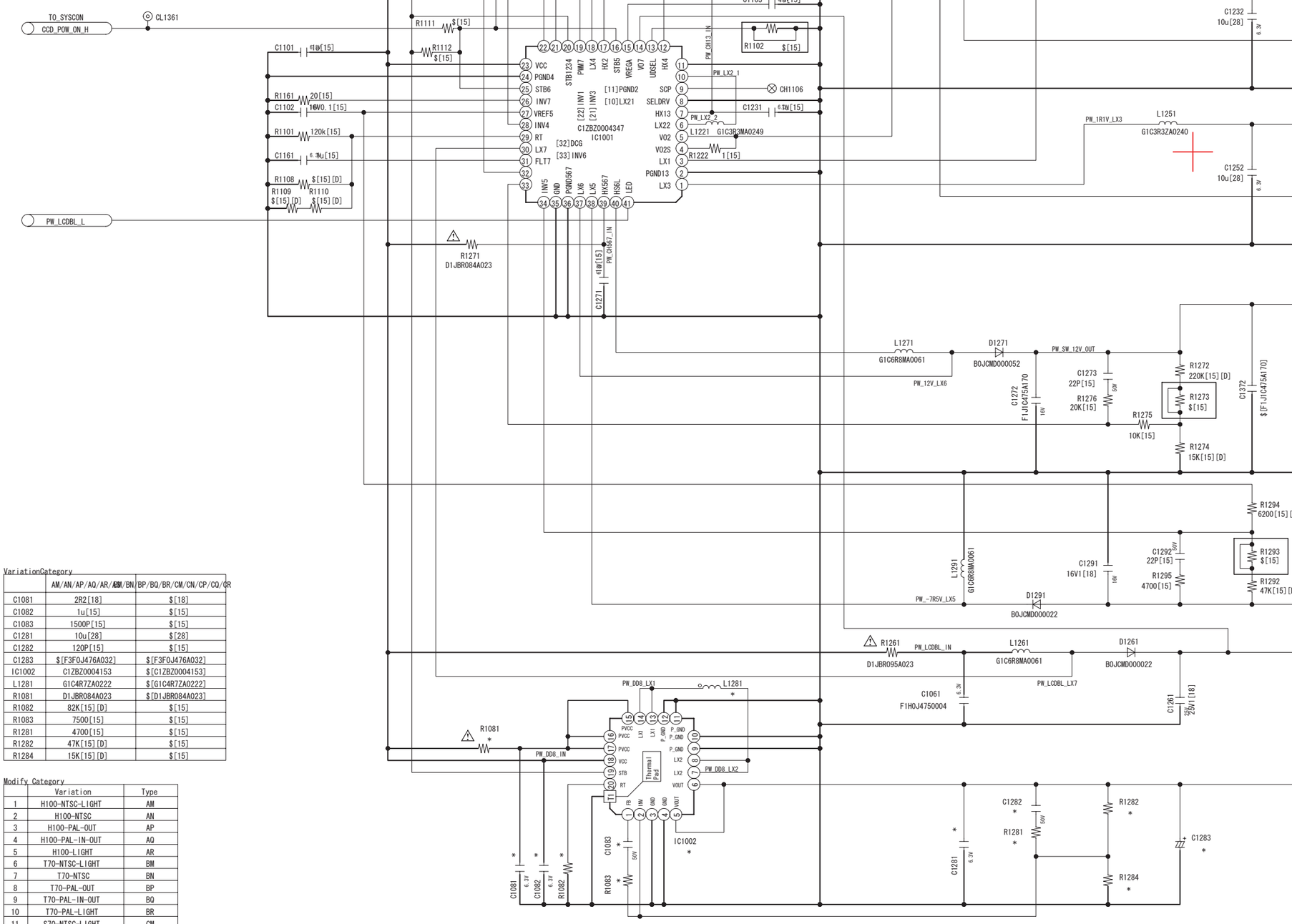
SDR-H100/H101
Main CN Section
(Main P.C.B. (1/12))
Schematic Diagram

4/4

S4.2. Power Schematic Diagram




L1241
C4R7ZA0222]
C1241
$[28]
C1242
$[15]
R1242
$[15]
R1244
$[15]
R1212
750K[15] [D]
R1213
18K[15] [D]
R1214
130K[15] [D]
C1213
$[28]
C1214
F3F1A106A026
IC1301
C0CBCCC00157
C1301
1000P[15]
C1302
1u[15]
IC1411
C0DBGHD00008
C1411
1u[15]
R1341
$[15]
CL1341
PW_REG1R2V
TO_VIDEO
VBUS_ON_H
CL1301
PW_VBUS
CL1311
PW_5R4V
CL1411
PW_REG5V
QR1411
DRA3143Z0L
PW_LCD5V
PW_SPK3R2V
PW_LENS3R2V
CL1321
PW_3R2V
PW_REGA3V
CL1421
PW_REG3V
PW_LCD3V
Q1421
B1ADGD000013
R1424
47K
R1425
470Ω
CL1331
PW_REG1R8V
R1421
$[15]
R1422
$[15]
G1422
R1325
R1321
Q1321
$[B1HB0FA00005]
R1323
R1322
R1324
C1326
$[F3F0J226A032]
IC1422
$[C0DBGFC00009]
C1422
$[15]
IC1423
C0EBE0000237
R1423
10K
IC1421
C0DBGFD00023
C1421
1u[15]
CH1231
L1231
G1C100MA0393
R1232
300K[15] [D]
R1233
$[15]
R1234
240K[15] [D]
C1232
10u[28]
C1332
$[F3F0G476A030]
R1351
$[15]
G1351
PW_1R1V_LX3
L1251
G1C3R3ZA0240
R1252
510K[15] [D]
R1253
15K[15] [D]
R1254
1M[15] [D]
C1252
10u[28]
C1356
$[F3F0G476A030]
CL1351
PW_UNP1R1V
CL1372
TO_SYSCON



VariationCategory

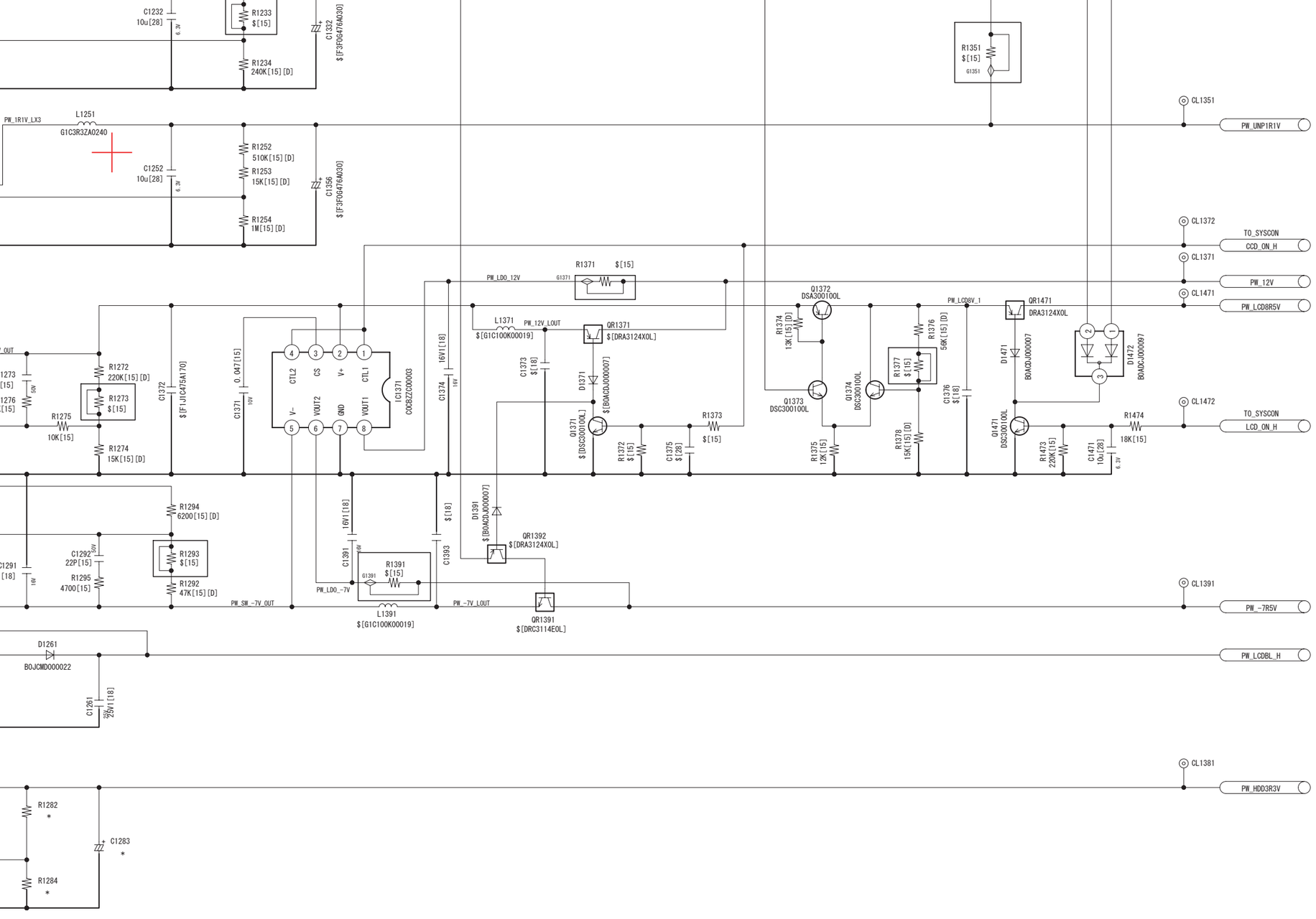
	AM/AN/AP/AQ/AR/AS/BM/BN/BP/BQ/BR/CM/CN/CP/CQ/CR
C1081	2R2[18]
C1082	1u[15]
C1083	1500P[15]
C1281	10u[28]
C1282	120P[15]
C1283	$[F3F0J476A032]
IC1002	C1ZBZ0004153
L1281	G1C4R7ZA0222
R1081	D1JBR084A023
R1082	82K[15][D]
R1083	7500[15]
R1281	4700[15]
R1282	47K[15][D]
R1284	15K[15][D]

Modify Category

	Variation	Type
1	H100-NTSC-LIGHT	AM
2	H100-NTSC	AN
3	H100-PAL-OUT	AP
4	H100-PAL-IN-OUT	AQ
5	H100-LIGHT	AR
6	T70-NTSC-LIGHT	BM
7	T70-NTSC	BN
8	T70-PAL-OUT	BP
9	T70-PAL-IN-OUT	BQ
10	T70-PAL-LIGHT	BR
11	S70-NTSC-LIGHT	CM
12	S70-NTSC	CN
13	S70-PAL-OUT	CP
14	S70-PAL-IN-OUT	CQ
15	S70-PAL-LIGHT	CR
16	H100-PAL-OUT-LIGHT	AS

SDR-H100/H101
Power Section
(Main P.C.B. (2/12))
Schematic Diagram

3/4

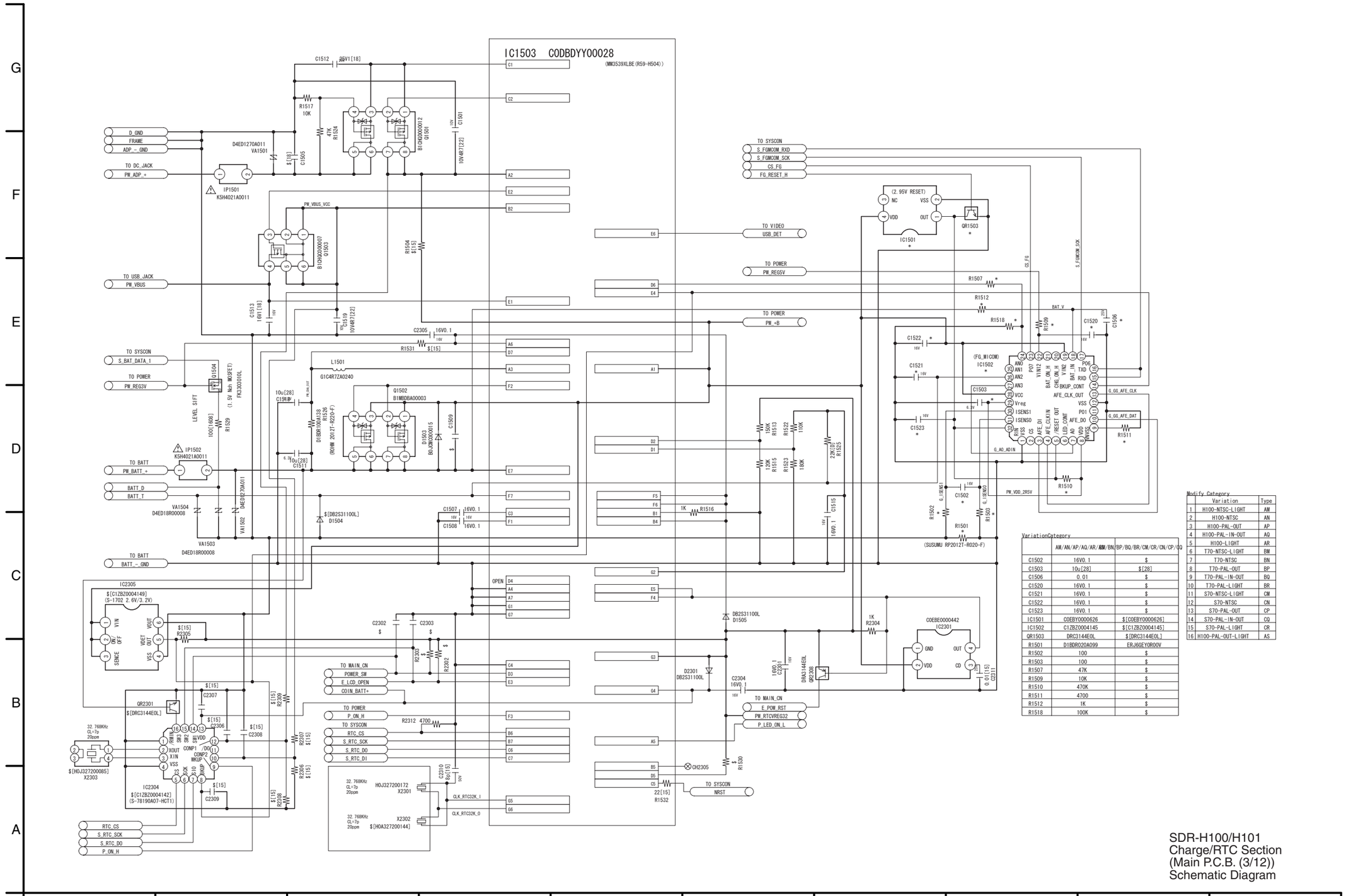


SDR-H100/H101
Power Section
(Main P.C.B. (2/12))
Schematic Diagram

4/4

11 12 13 14 15 16 17 18 19 20 21

S4.3. Charge/RTC Schematic Diagram



Modify Category

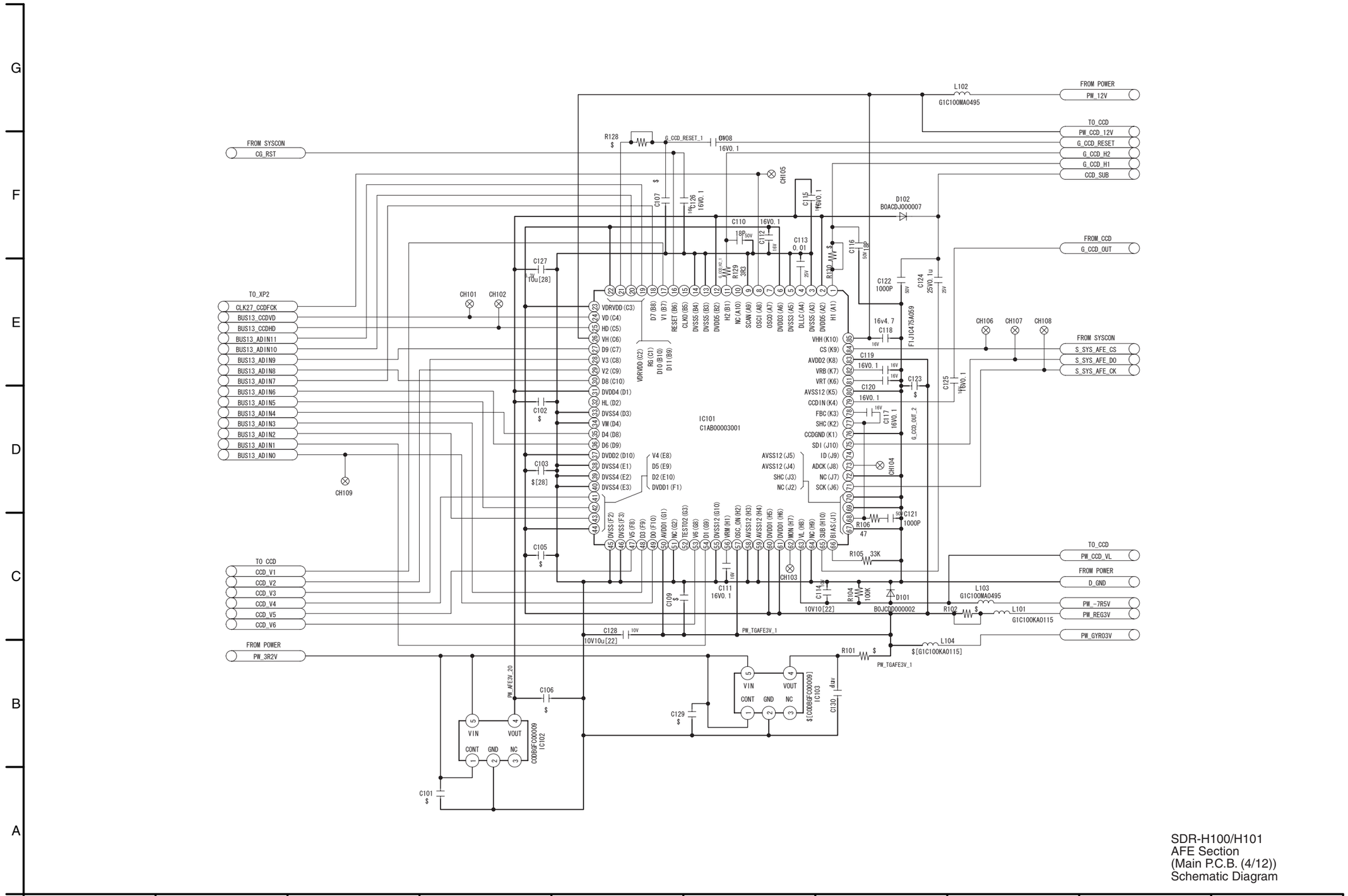
	Variation	Type
1	H100-NTSC-LIGHT	AM
2	H100-NTSC	AN
3	H100-PAL-OUT	AP
4	H100-PAL-IN-OUT	AQ
5	H100-LIGHT	AR
6	T70-NTSC-LIGHT	BM
7	T70-NTSC	BN
8	T70-PAL-OUT	BP
9	T70-PAL-IN-OUT	BQ
10	T70-PAL-LIGHT	BR
11	S70-NTSC-LIGHT	CM
12	S70-NTSC	CN
13	S70-PAL-OUT	CP
14	S70-PAL-IN-OUT	CQ
15	S70-PAL-LIGHT	CR
16	H100-PAL-OUT-LIGHT	AS

VariationCategory

	AM/AN/AP/AQ/AR/ABM/BN	BP/BQ/BR/CM/CR/CN/CP/CQ
C1502	16V0.1	$
C1503	10u[28]	$[28]
C1506	0.01	$
C1520	16V0.1	$
C1521	16V0.1	$
C1522	16V0.1	$
C1523	16V0.1	$
IC1501	C0EBY0000626	$[C0EBY0000626]
IC1502	C1ZBZ0004145	$[C1ZBZ0004145]
QR1503	DRC3144E0L	$[DRC3144E0L]
R1501	D1BDR020A099	ERJ6GEY0R00V
R1502	100	$
R1503	100	$
R1507	47K	$
R1509	10K	$
R1510	470K	$
R1511	4700	$
R1512	1K	$
R1518	100K	$

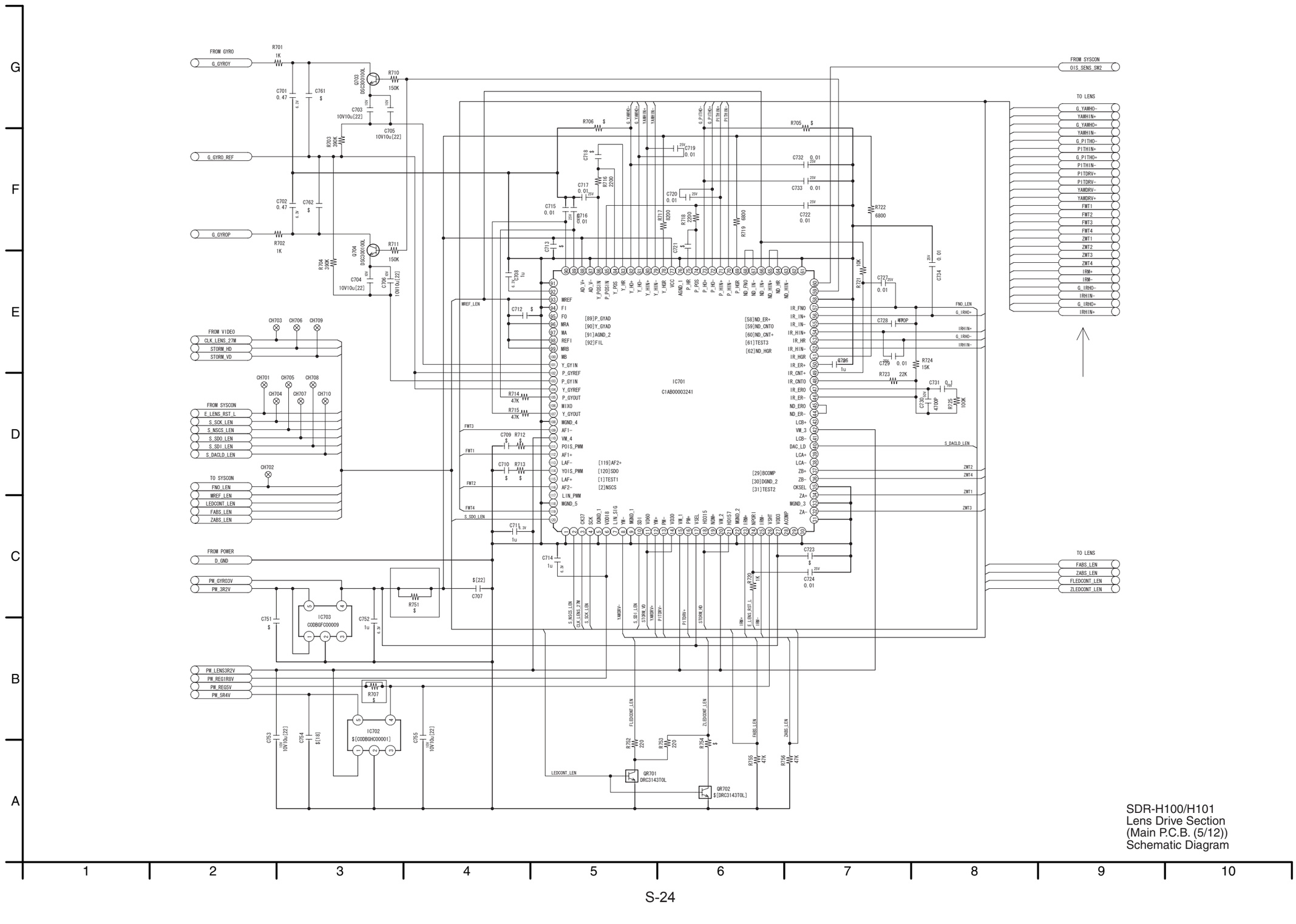
SDR-H100/H101
Charge/RTC Section
(Main P.C.B. (3/12))
Schematic Diagram

S4.4. AFE Schematic Diagram



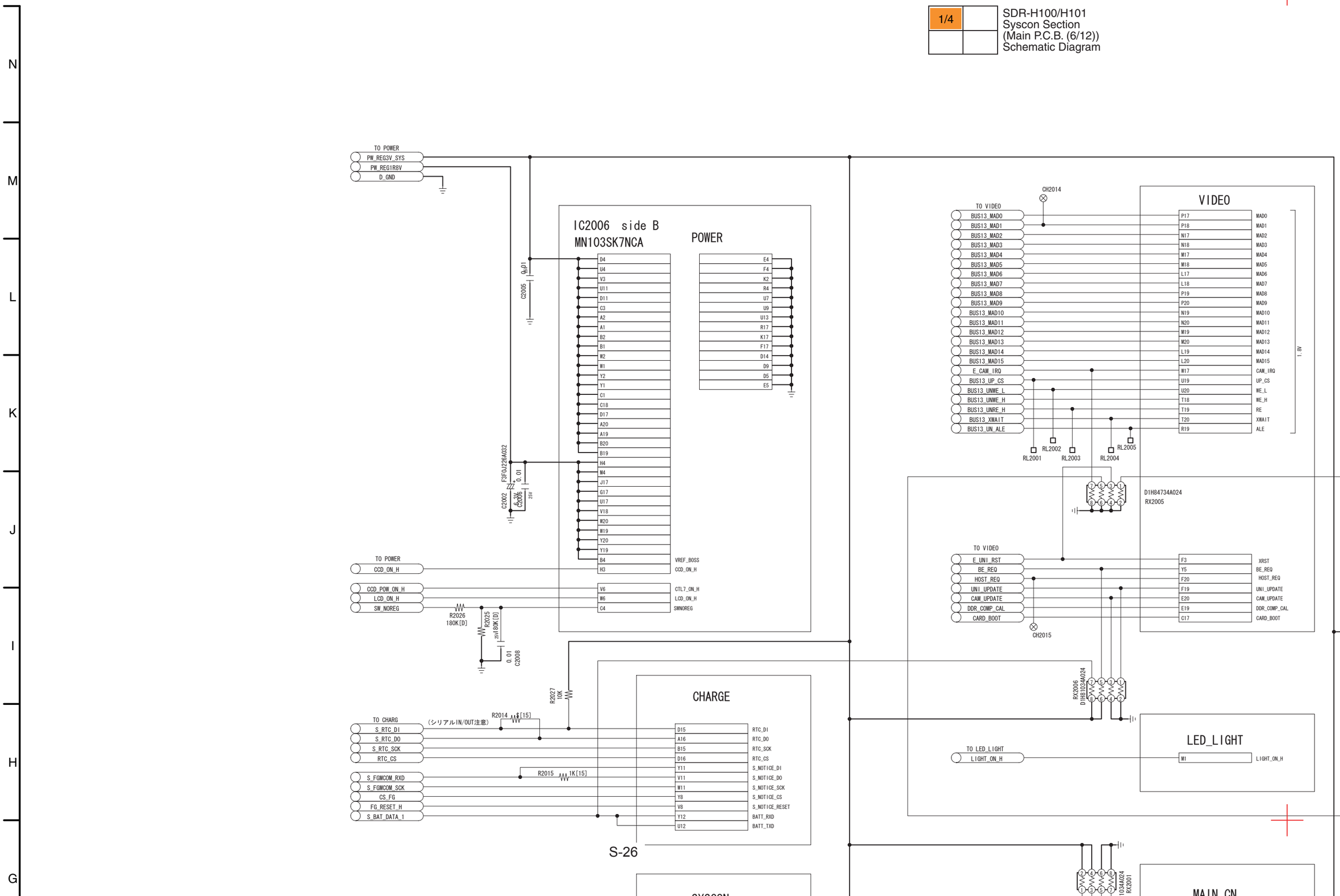
SDR-H100/H101
AFE Section
(Main P.C.B. (4/12))
Schematic Diagram

S4.5. Lens Drive Schematic Diagram



SDR-H100/H101
Lens Drive Section
(Main P.C.B. (5/12))
Schematic Diagram

S4.6. Syscon Schematic Diagram



VIDEO

	MAD0
	MAD1
	MAD2
	MAD3
	MAD4
	MAD5
	MAD6
	MAD7
	MAD8
	MAD9
	MAD10
	MAD11
	MAD12
	MAD13
	MAD14
	MAD15
	CAM_IRQ
	UP_CS
	WE_L
	WE_H
	RE
	XWAIT
	ALE

1.8V

	XRST
	BE_REQ
	HOST_REQ
	UNI_UPDATE
	CAM_UPDATE
	DDR_COMP_CAL
	CARD_BOOT

ED_LIGHT

	LIGHT_ON_H

MAIN_CN

REAR_OP

TO REAR OP			
ZSW		C7	ZSW
CARD_LED_B		V2	CARD_ACCESS_LED
DISK_LED_B		Y3	DISK_ACCESS_LED
STANDBY_LEDB		U5	STANDBY_LED
E_KEYIN1		D6	KEYIN1
E_KEYIN4		C6	KEYIN4
POWER_LED_B		Y14	POWER_LED_B

OPE

TO MONITOR			
E_KEYIN2		A5	KEYIN2
E_KEYIN3		B5	KEYIN3
TO MAIN_CN SW			
E_KEYIN5		A4	KEYIN5

C2011 $ C2012 $ C2013 $ C2014 $

CCD

TO CCD			
LENS_TEMP		C8	LENS_TEMP

R2011 10K[D] R2021 3300 C2015 $

TG/AFE

TO TG/AFE			
S_SYS_AFE_DO		W4	CGAFE_DO
S_SYS_AFE_CK		W3	CGAFE_SCK
S_SYS_AFE_CS		V4	CG_CS
CG_RST		G4	CG_RST

LENS

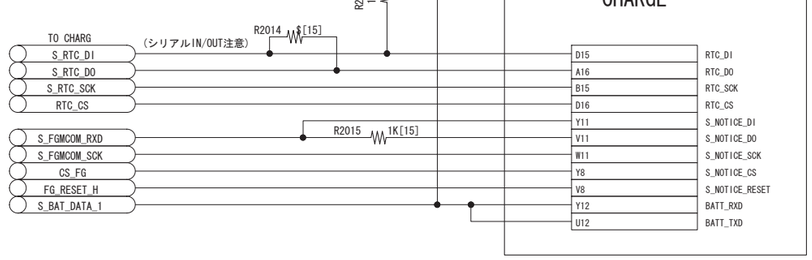
TO LENS			
LEDCONT_LEN		N2	LENS_LED
ZABS_LEN		N4	ZENC
FABS_LEN		N1	FENC

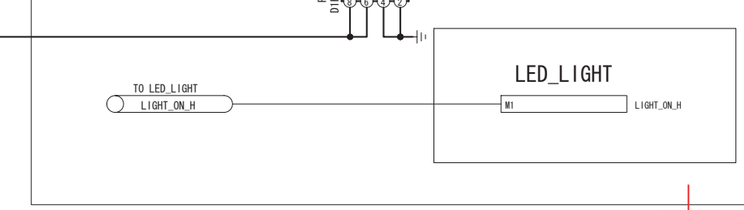
NC

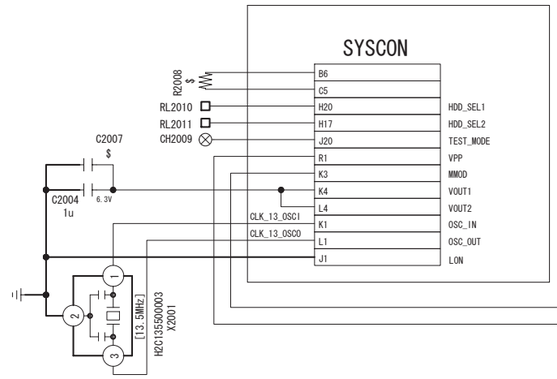
A7	HDD_TEMP		
F2	MITSUNI_IC_RESET		
G18	CAM_WAKEUP	J3	HDD_PWR_ON_H
U6	KAO_REQ	U3	POWER_LED
W13	INT_FRP	G3	POWER_SRC_CNT_SDA
H18	HOST_RQ2	H2	POWER_SRC_CNT_SCK

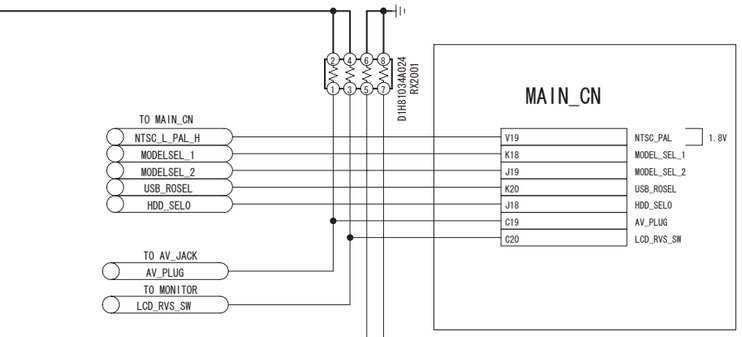
A8		
A9		
A10		
D10		Y16
B10		V15

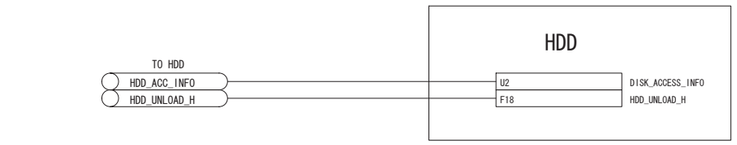
S-27

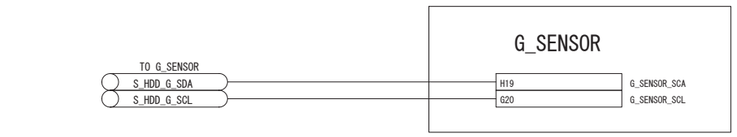


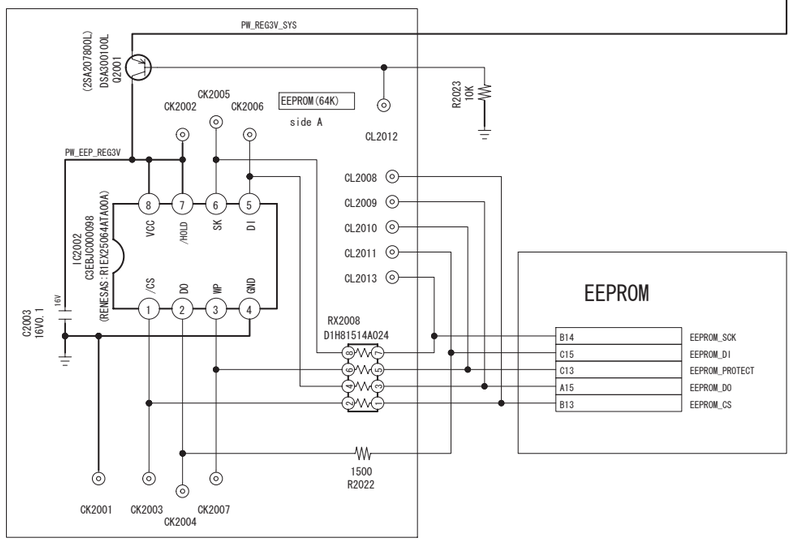






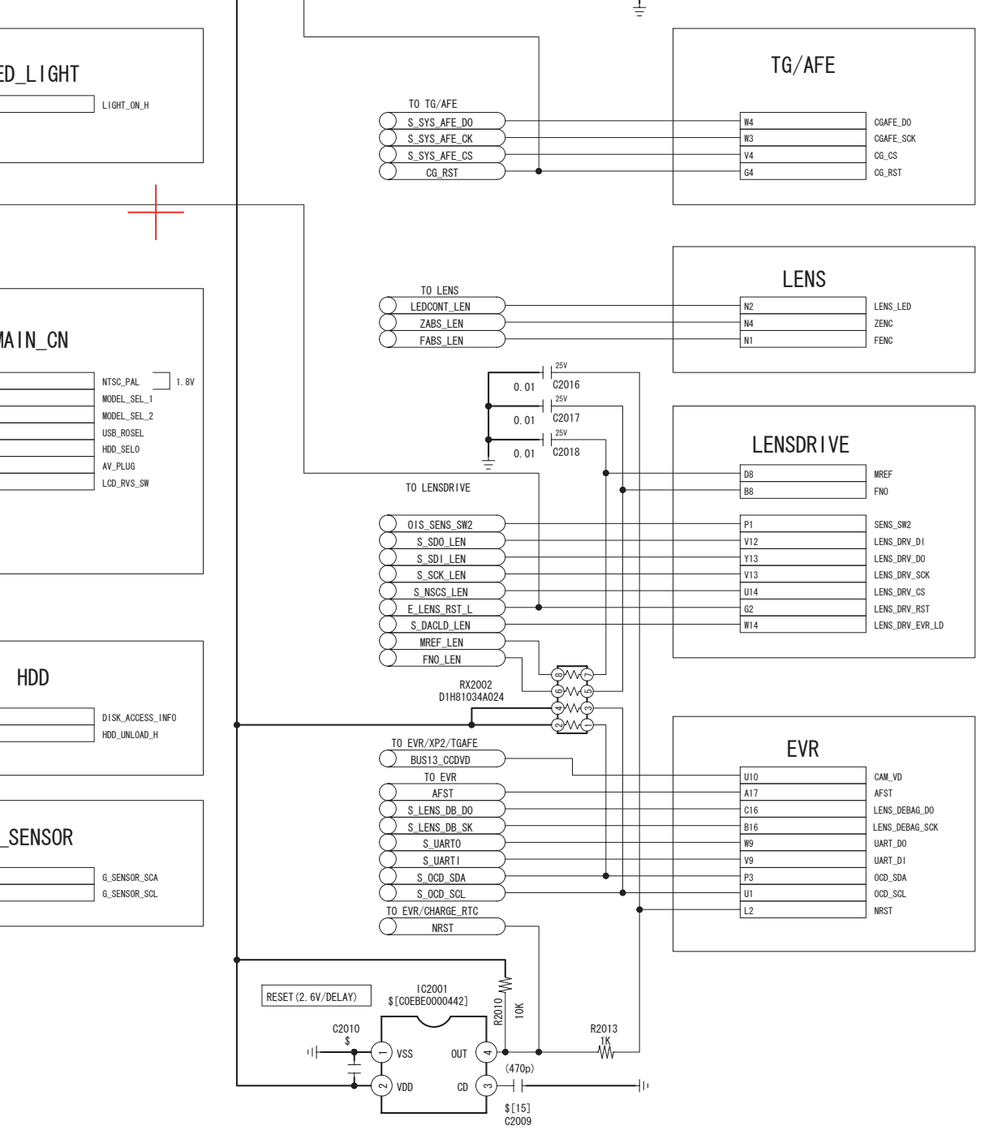


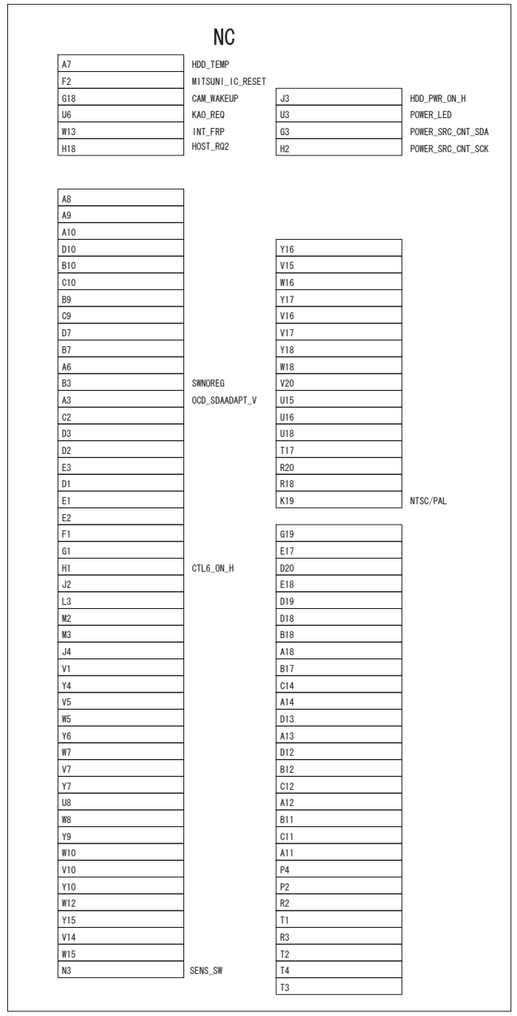




SDR-H100/H101
Syscon Section
(Main P.C.B. (6/12))
Schematic Diagram

3/4





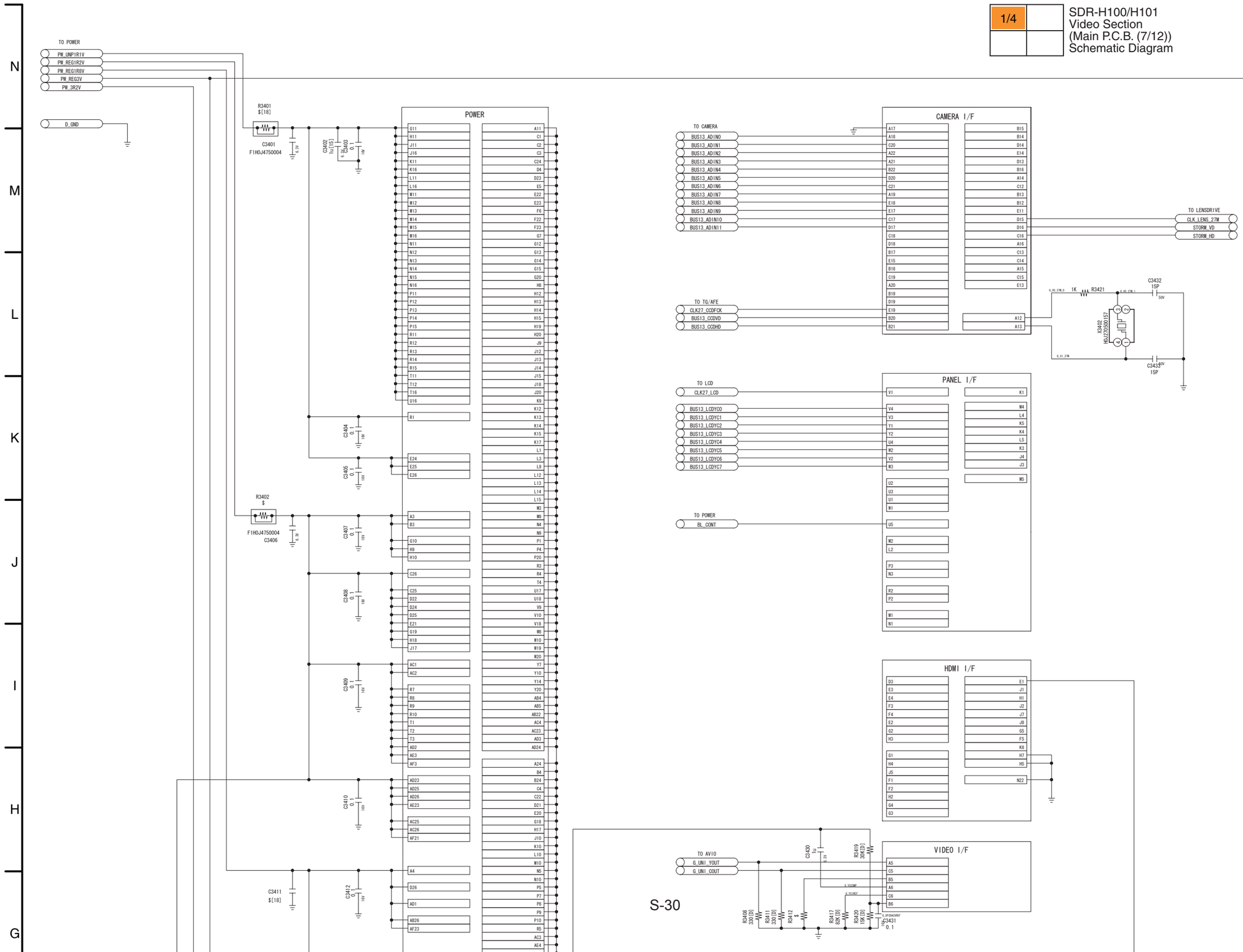
SDR-H100/H101
Syscon Section
(Main P.C.B. (6/12))
Schematic Diagram
4/4

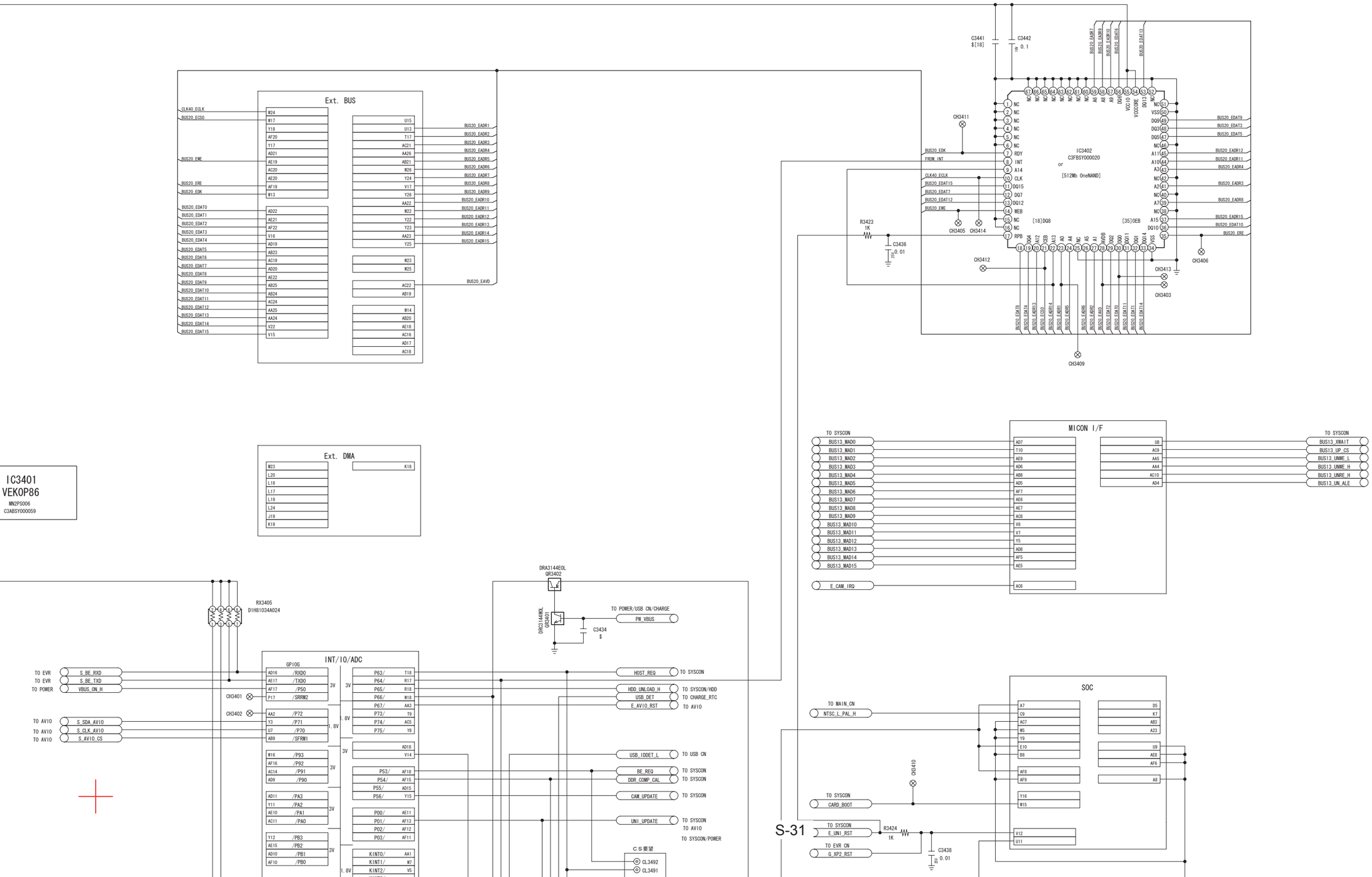
11 12 13 14 15 16 17 18 19 20 21

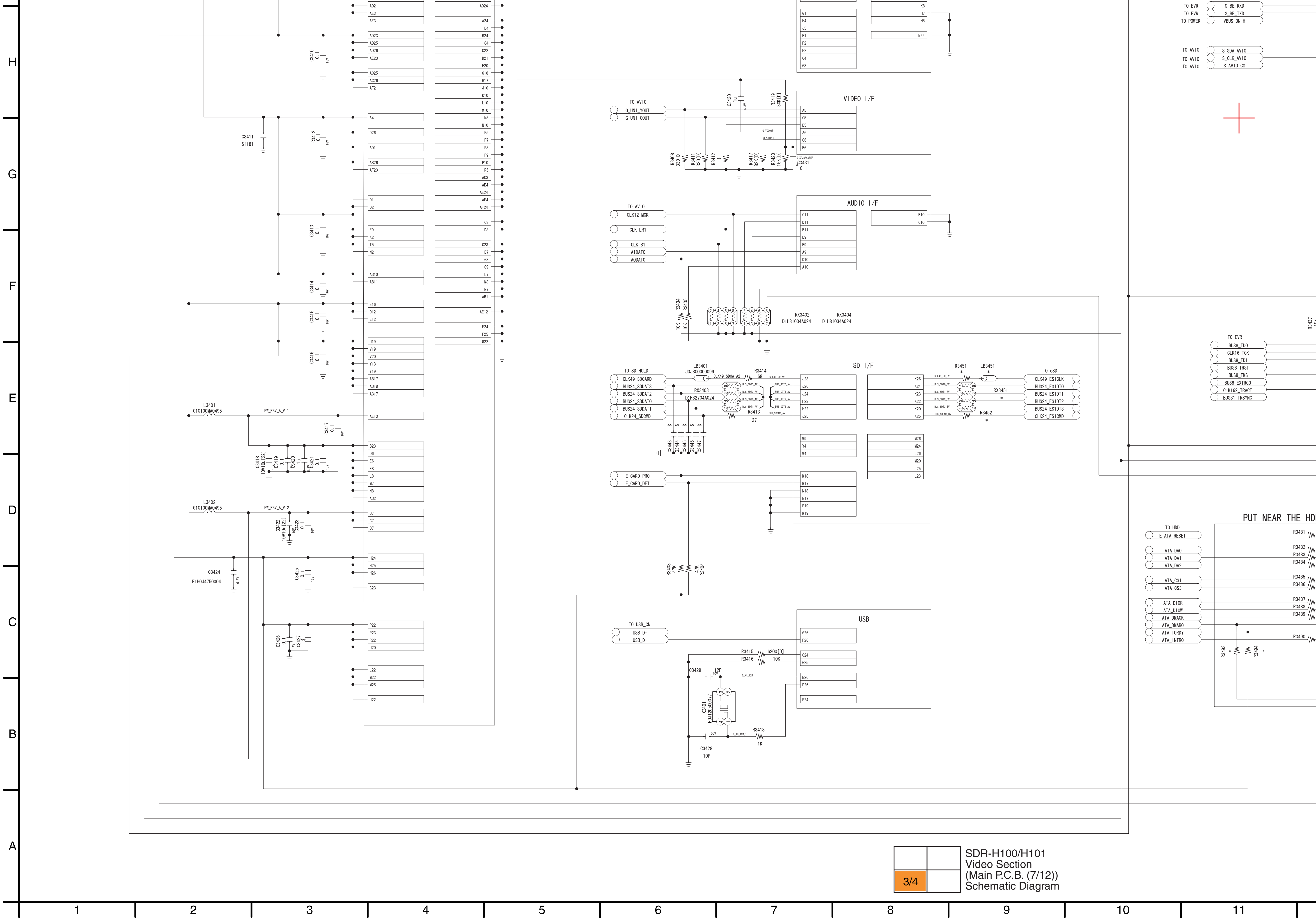
S4.7. Video Schematic Diagram

1/4

SDR-H100/H101
Video Section
(Main P.C.B. (7/12))
Schematic Diagram

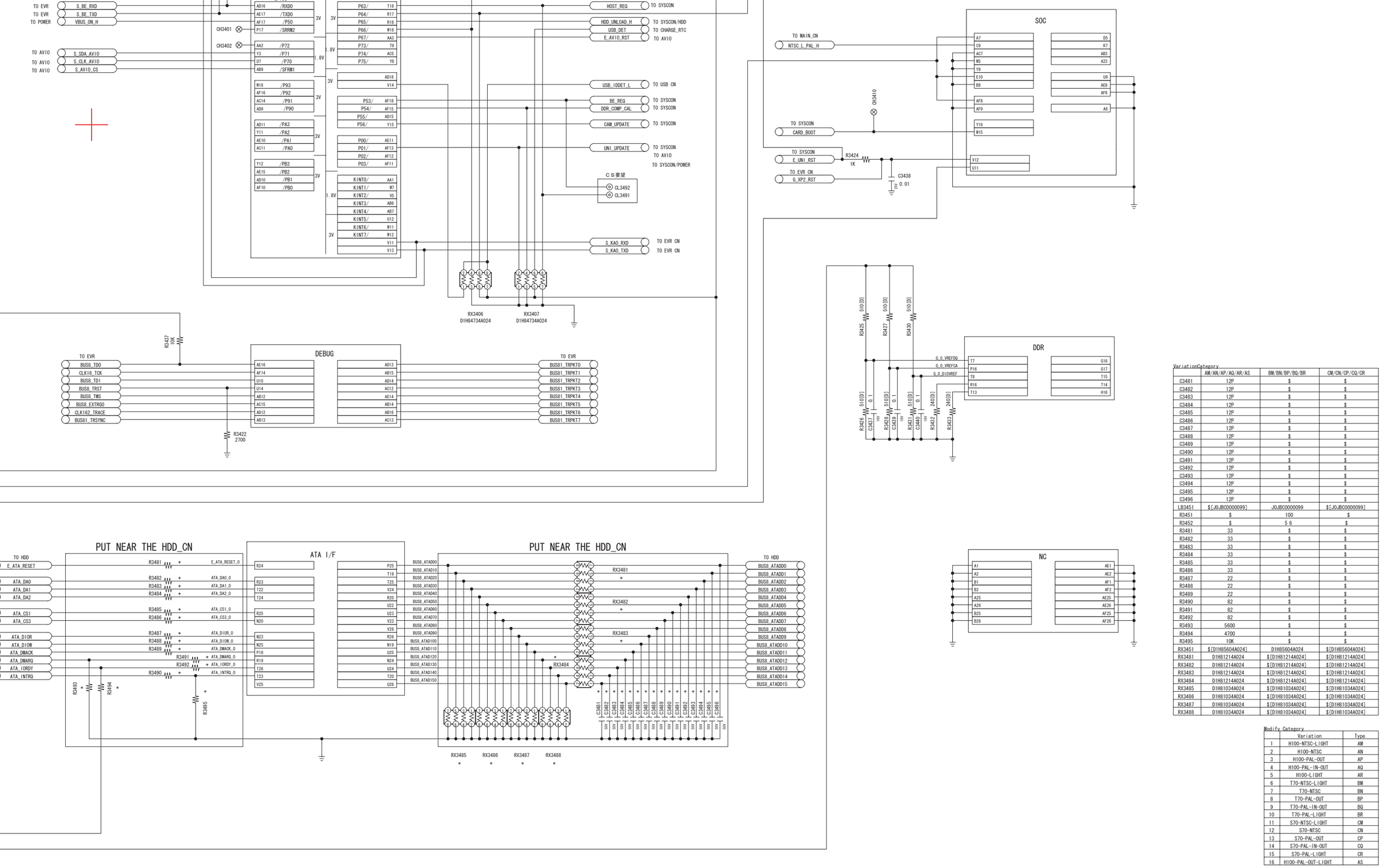



Ext. BUS
CLK40_ECLK
BUS20_ECS0
BUS20_EWE
BUS20_ERE
BUS20_EDK
BUS20_EDAT0
BUS20_EDAT1
BUS20_EDAT2
BUS20_EDAT3
BUS20_EDAT4
BUS20_EDAT5
BUS20_EDAT6
BUS20_EDAT7
BUS20_EDAT8
BUS20_EDAT9
BUS20_EDAT10
BUS20_EDAT11
BUS20_EDAT12
BUS20_EDAT13
BUS20_EDAT14
BUS20_EDAT15
BUS20_EADR1
BUS20_EADR2
BUS20_EADR3
BUS20_EADR4
BUS20_EADR5
BUS20_EADR6
BUS20_EADR7
BUS20_EADR8
BUS20_EADR9
BUS20_EADR10
BUS20_EADR11
BUS20_EADR12
BUS20_EADR13
BUS20_EADR14
BUS20_EADR15
BUS20_EAVD
IC3401
VEK0P86
MN2PS006
C3ABS1000059
Ext. DMA
C3441
$[18]
C3442
0.1
IC3402
C3FBSY000020
or
[512Mb OneNAND]
[18]DQ8
[35]OEB
CH3411
CH3405
CH3414
CH3412
CH3413
CH3403
CH3406
CH3409
R3423
1K
C3436
0.01
BUS20_EDK
FROM_INT
CLK40_ECLK
BUS20_EDAT15
BUS20_EDAT7
BUS20_EDAT12
BUS20_EWE
MICON I/F
TO SYSCON
BUS13_MAD0
BUS13_MAD1
BUS13_MAD2
BUS13_MAD3
BUS13_MAD4
BUS13_MAD5
BUS13_MAD6
BUS13_MAD7
BUS13_MAD8
BUS13_MAD9
BUS13_MAD10
BUS13_MAD11
BUS13_MAD12
BUS13_MAD13
BUS13_MAD14
BUS13_MAD15
E_CAM_IRQ
BUS13_XWAIT
BUS13_UP_CS
BUS13_UNWE_L
BUS13_UNRE_H
BUS13_UNRE_H
BUS13_UN_ALE
RX3405
D1H81034A024
INT/IO/ADC
GPIO6
TO EVR
S_BE_RXD
S_BE_TXD
TO POWER
VBUS_ON_H
TO AVIO
S_SDA_AVIO
S_CLK_AVIO
S_AVIO_CS
CH3401
CH3402
3V
1.8V
DRA3144E0L
QR3402
DRC3144W0L
QR3401
C3434
$
TO POWER/USB CN/CHARGE
PW_VBUS
HOST_REQ
TO SYSCON
HDD_UNLOAD_H
USB_DET
E_AVIO_RST
TO SYSCON/HDD
TO CHARGE_RTC
TO AVIO
USB_IDDET_L
TO USB CN
BE_REQ
DDR_COMP_CAL
CAM_UPDATE
UNI_UPDATE
TO SYSCON
TO AVIO
TO SYSCON/POWER
C'S要望
CL3492
CL3491
SOC
TO MAIN_CN
NTSC_L_PAL_H
TO SYSCON
CARD_BOOT
QR3410
TO SYSCON
E_UNI_RST
TO EVR CN
G_XP2_RST
R3424
1K
C3438
0.01
S-31



SDR-H100/H101
Video Section
(Main P.C.B. (7/12))
Schematic Diagram

3/4



Variation Category			
	AM/AN/AP/AQ/AR/AS	BM/BN/BP/BQ/BR	CM/CN/CP/CQ/CR
C3481	12P	$	$
C3482	12P	$	$
C3483	12P	$	$
C3484	12P	$	$
C3485	12P	$	$
C3486	12P	$	$
C3487	12P	$	$
C3488	12P	$	$
C3489	12P	$	$
C3490	12P	$	$
C3491	12P	$	$
C3492	12P	$	$
C3493	12P	$	$
C3494	12P	$	$
C3495	12P	$	$
C3496	12P	$	$
LB3451	$[JOJBC00000099]	JOJBC00000099	$[JOJBC00000099]
R3451	$	100	$
R3452	$	5 6	$
R3481	33	$	$
R3482	33	$	$
R3483	33	$	$
R3484	33	$	$
R3485	33	$	$
R3486	33	$	$
R3487	22	$	$
R3488	22	$	$
R3489	22	$	$
R3490	82	$	$
R3491	82	$	$
R3492	82	$	$
R3493	5600	$	$
R3494	4700	$	$
R3495	10K	$	$
RX3451	$[D1H85604A024]	D1H85604A024	$[D1H85604A024]
RX3481	D1H81214A024	$[D1H81214A024]	$[D1H81214A024]
RX3482	D1H81214A024	$[D1H81214A024]	$[D1H81214A024]
RX3483	D1H81214A024	$[D1H81214A024]	$[D1H81214A024]
RX3484	D1H81214A024	$[D1H81214A024]	$[D1H81214A024]
RX3485	D1H81034A024	$[D1H81034A024]	$[D1H81034A024]
RX3486	D1H81034A024	$[D1H81034A024]	$[D1H81034A024]
RX3487	D1H81034A024	$[D1H81034A024]	$[D1H81034A024]
RX3488	D1H81034A024	$[D1H81034A024]	$[D1H81034A024]

Modify Category

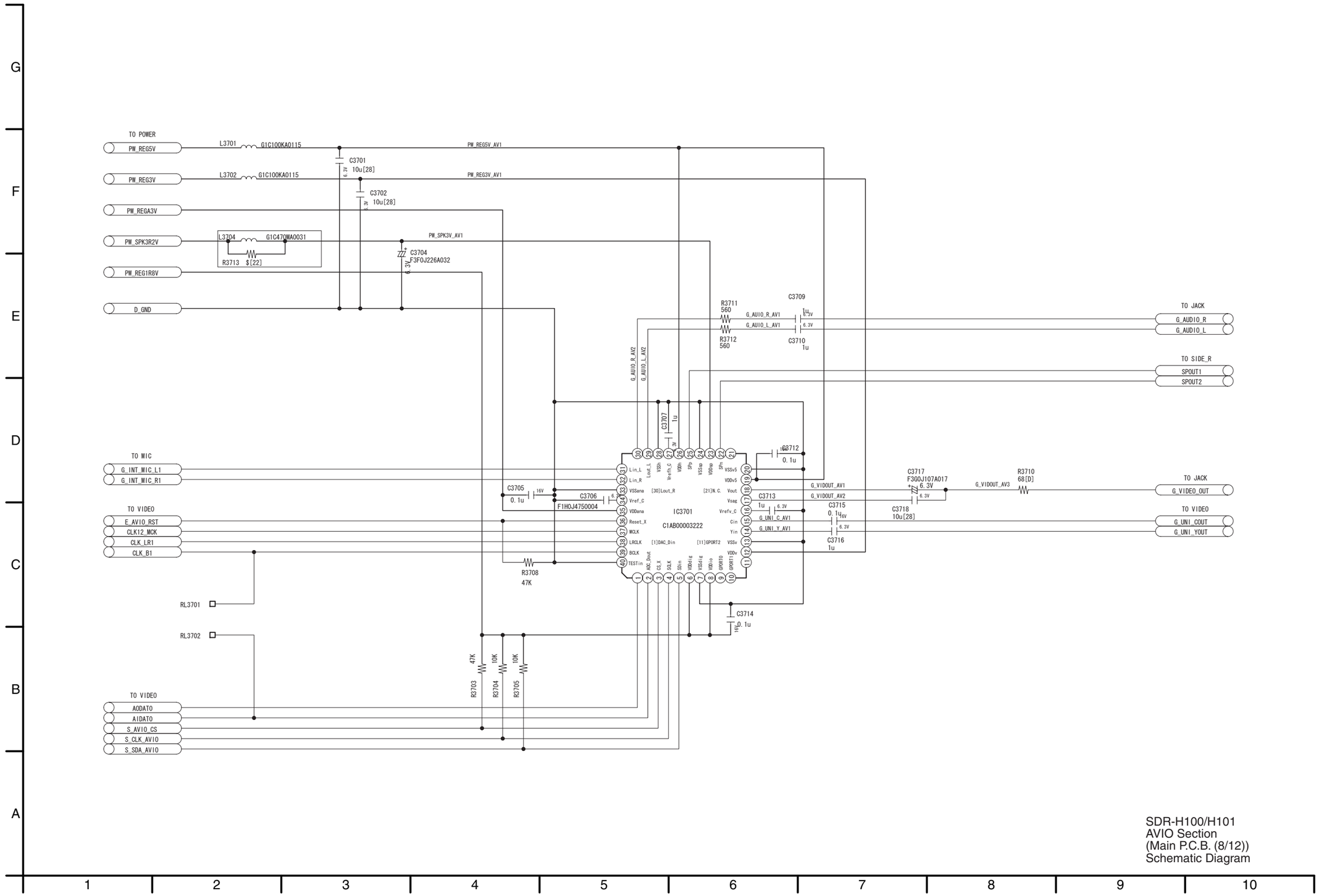
	Variation	Type
1	H100-NTSC-LIGHT	AM
2	H100-NTSC	AN
3	H100-PAL-OUT	AP
4	H100-PAL-IN-OUT	AQ
5	H100-LIGHT	AR
6	T70-NTSC-LIGHT	BM
7	T70-NTSC	BN
8	T70-PAL-OUT	BP
9	T70-PAL-IN-OUT	BQ
10	T70-PAL-LIGHT	BR
11	S70-NTSC-LIGHT	CM
12	S70-NTSC	CN
13	S70-PAL-OUT	CP
14	S70-PAL-IN-OUT	CQ
15	S70-PAL-LIGHT	CR
16	H100-PAL-OUT-LIGHT	AS

△2 Change of HDD model number

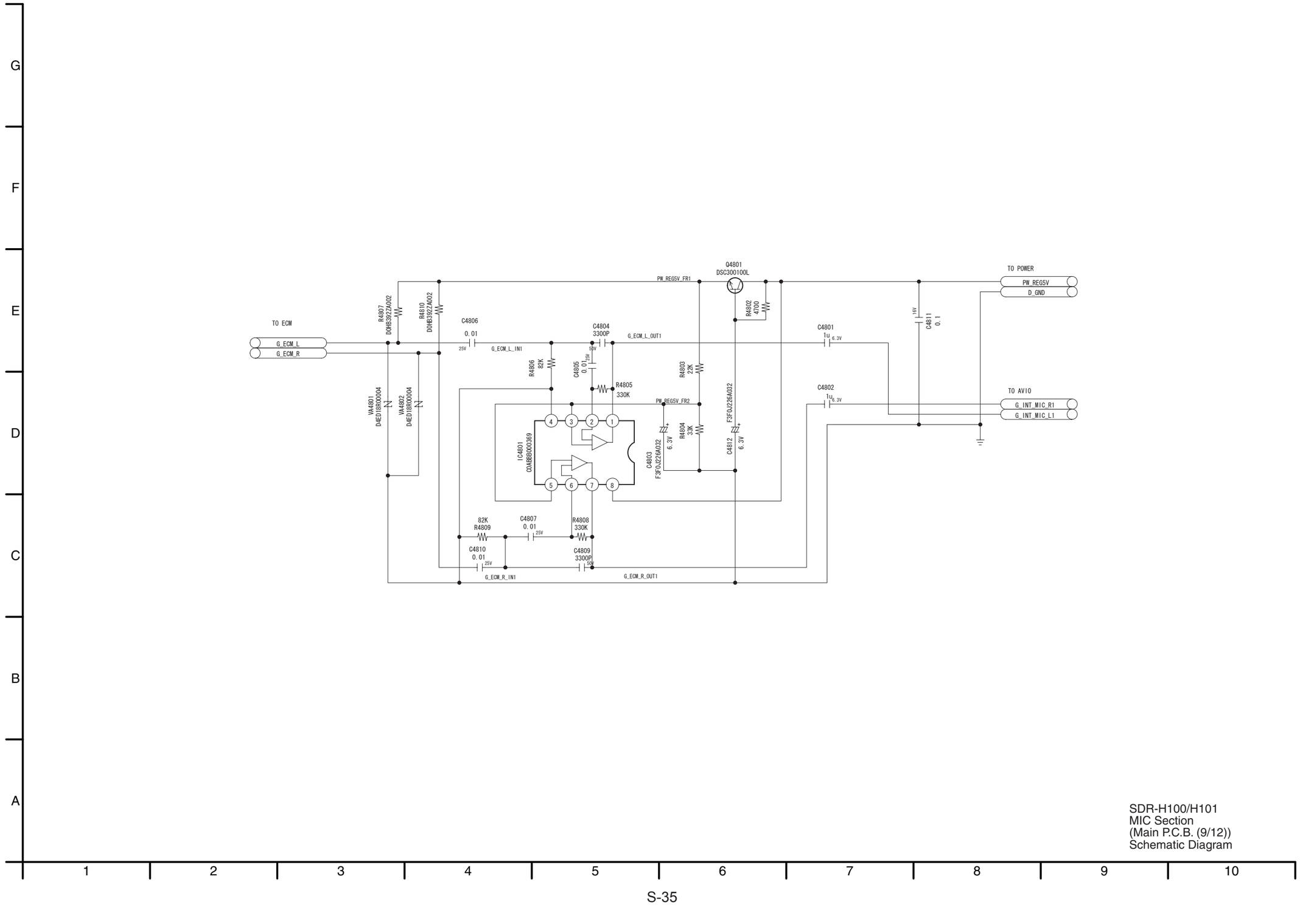
SDR-H100/H101
Video Section
(Main P.C.B. (7/12))
Schematic Diagram
4/4

11 12 13 14 15 16 17 18 19 20 21

S4.8. AVIO Schematic Diagram

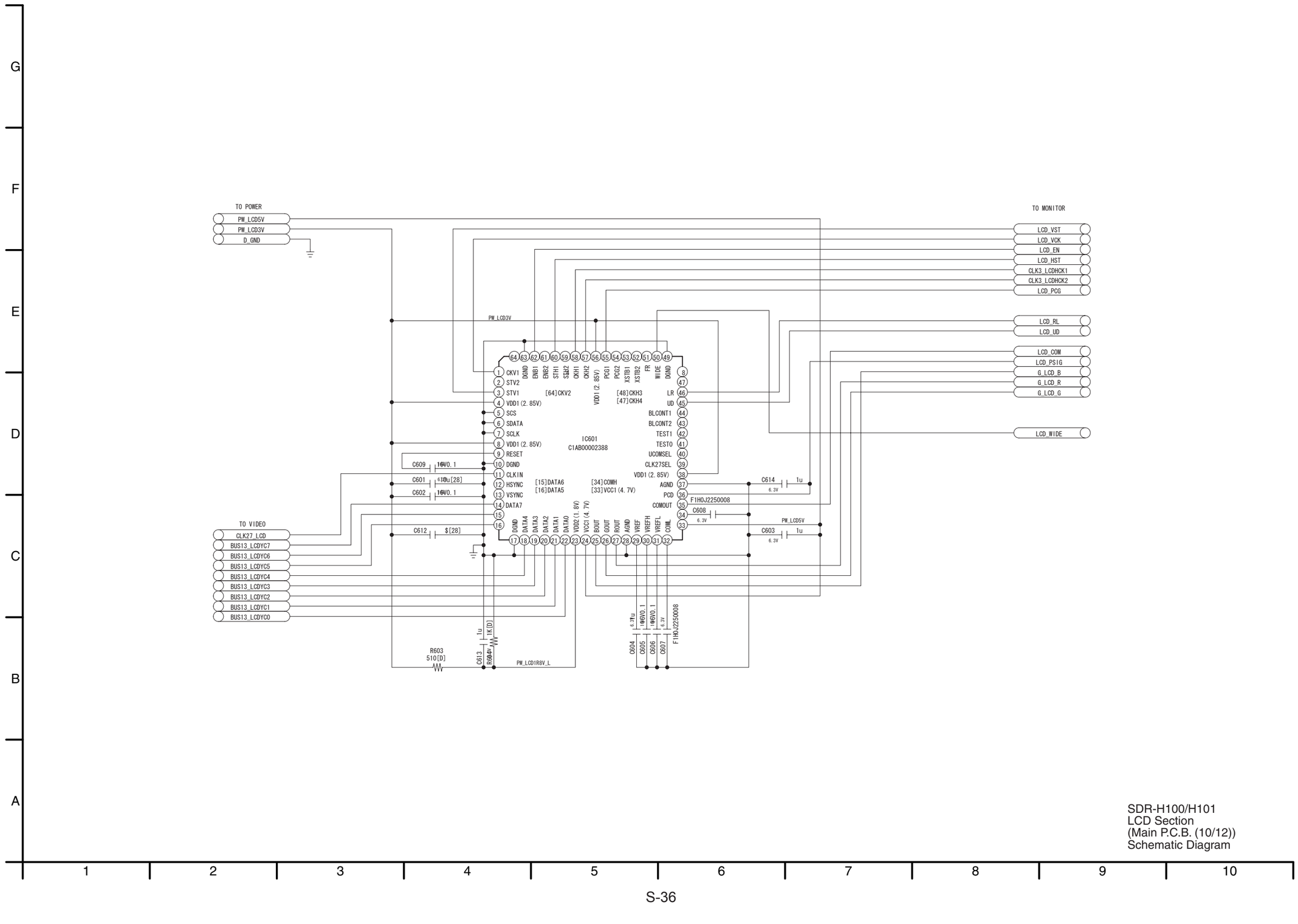


S4.9. MIC Schematic Diagram



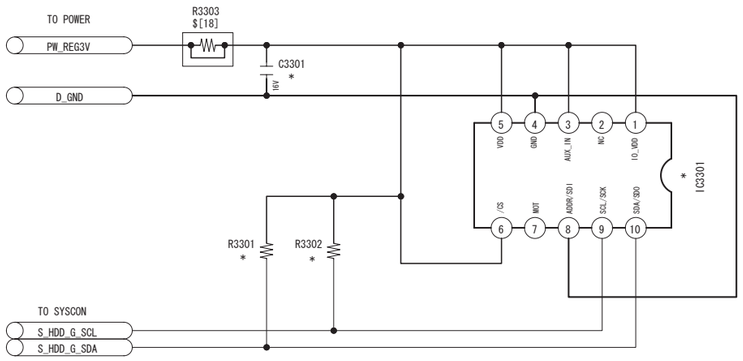
SDR-H100/H101
MIC Section
(Main P.C.B. (9/12))
Schematic Diagram

S4.10. LCD Schematic Diagram



SDR-H100/H101
LCD Section
(Main P.C.B. (10/12))
Schematic Diagram

S4.11. G_Sensor Schematic Diagram



Modify Category

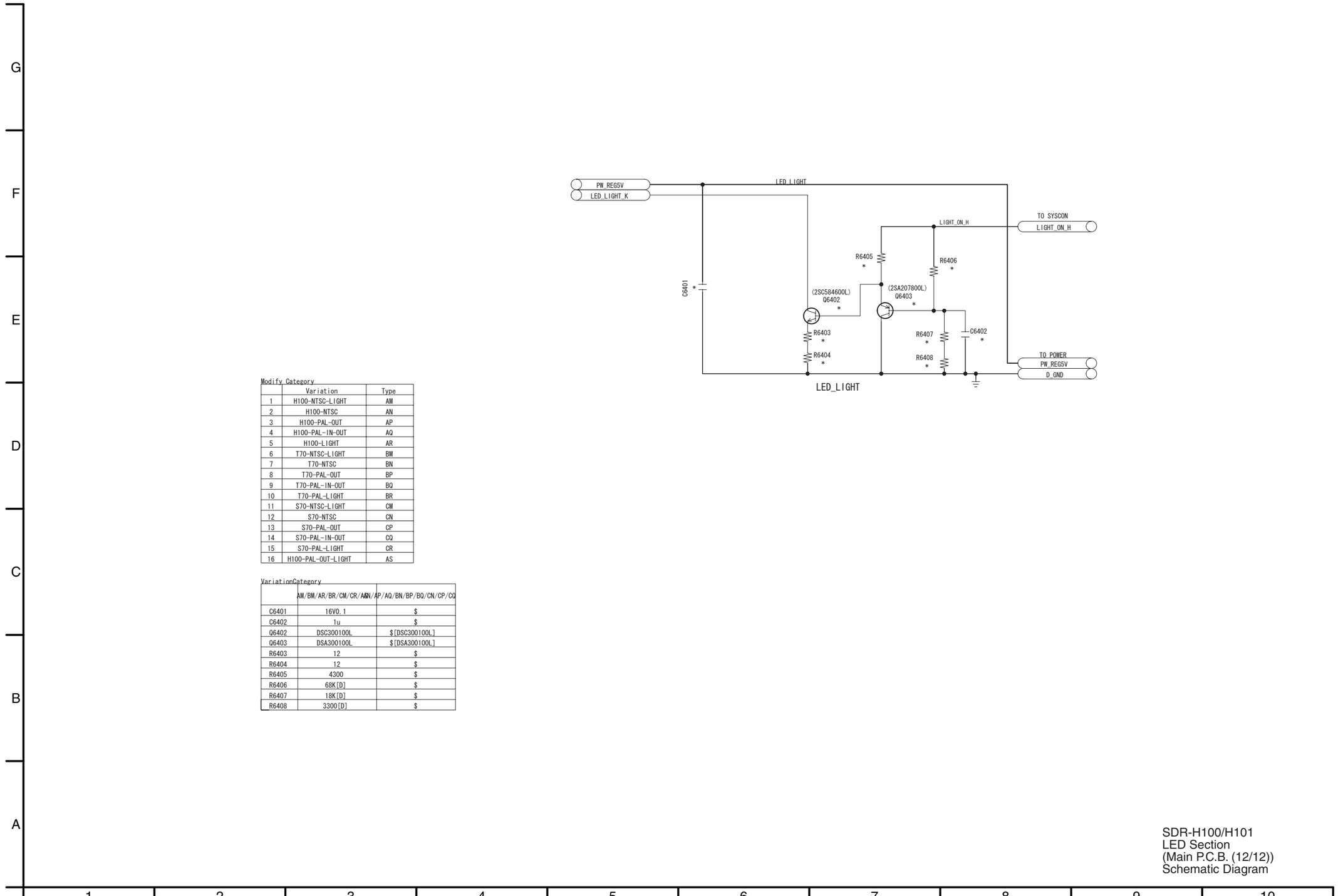
	Variation	Type
1	H100-NTSC-LIGHT	AM
2	H100-NTSC	AN
3	H100-PAL-OUT	AP
4	H100-PAL-IN-OUT	AQ
5	H100-LIGHT	AR
6	T70-NTSC-LIGHT	BM
7	T70-NTSC	BN
8	T70-PAL-OUT	BP
9	T70-PAL-IN-OUT	BQ
10	T70-PAL-LIGHT	BR
11	S70-NTSC-LIGHT	CM
12	S70-NTSC	CN
13	S70-PAL-OUT	CP
14	S70-PAL-IN-OUT	CQ
15	S70-PAL-LIGHT	CR
16	H100-PAL-OUT-LIGHT	AS

VariationCategory

	AM/AN/AP/AQ/AR/AS	BM/BN/BP/BQ/BR	CM/CN/CP/CQ/CR
C3301	0.1	$	$
IC3301	L2EE00000011	$[L2EE00000011]	$[L2EE00000011]
R3301	2200	$	$
R3302	2200	$	$

SDR-H100/H101
G_Sensor Section
(Main P.C.B. (11/12))
Schematic Diagram

S4.12. LED Schematic Diagram



Modify Category

	Variation	Type
1	H100-NTSC-LIGHT	AM
2	H100-NTSC	AN
3	H100-PAL-OUT	AP
4	H100-PAL-IN-OUT	AQ
5	H100-LIGHT	AR
6	T70-NTSC-LIGHT	BM
7	T70-NTSC	BN
8	T70-PAL-OUT	BP
9	T70-PAL-IN-OUT	BQ
10	T70-PAL-LIGHT	BR
11	S70-NTSC-LIGHT	CM
12	S70-NTSC	CN
13	S70-PAL-OUT	CP
14	S70-PAL-IN-OUT	CQ
15	S70-PAL-LIGHT	CR
16	H100-PAL-OUT-LIGHT	AS

VariationCategory

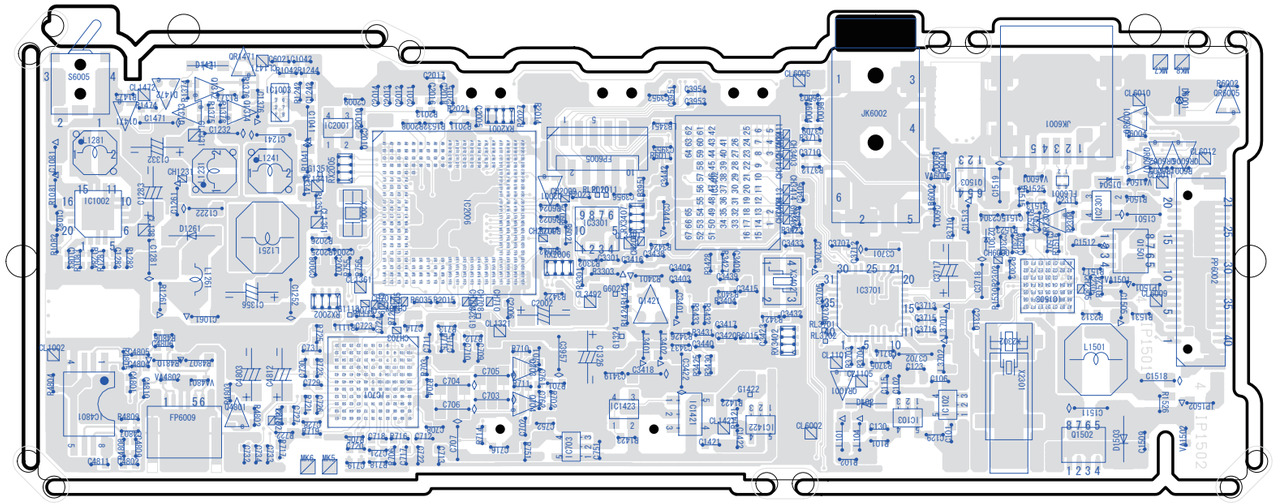
	AM/BM/AR/BR/CM/CR/AS	AN/AP/AQ/BN/BP/BQ/CN/CP/CQ
C6401	16V0.1	$
C6402	1u	$
Q6402	DSC300100L	$[DSC300100L]
Q6403	DSA300100L	$[DSA300100L]
R6403	12	$
R6404	12	$
R6405	4300	$
R6406	68K[D]	$
R6407	18K[D]	$
R6408	3300[D]	$

SDR-H100/H101
LED Section
(Main P.C.B. (12/12))
Schematic Diagram

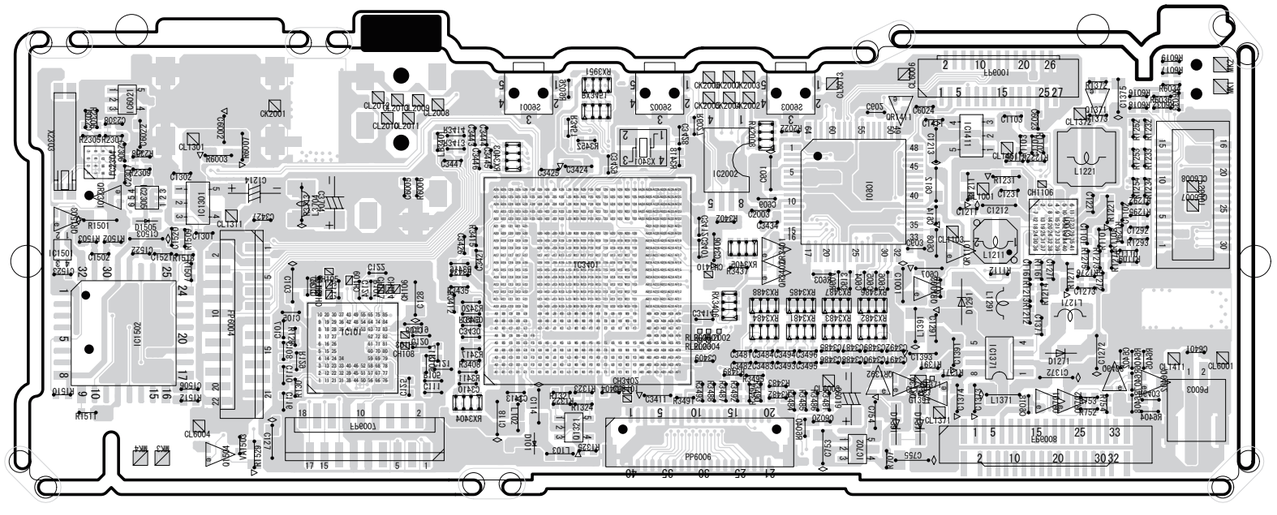
S5. Print Circuit Board

S5.1. Main P.C.B.

S5.1.1. Main P.C.B.



(Component Side)



(Foil Side)

SDR-H100/H101
Main P.C.B.

S5.1.2. Main P.C.B. Address Information

Main P.C.B.

Integrated Circuit		
IC101	B-6	F
IC102	F-6	C
IC103	E-6	C
IC601	C-9	F
IC701	F-3	C
IC702	B-9	F
IC703	E-4	C
IC1001	C-9	F
IC1002	G-2	C
IC1003	G-3	C
IC1301	C-5	F
IC1371	B-9	F
IC1411	C-9	F
IC1421	E-5	C
IC1422	E-5	C
IC1423	F-4	C
IC1501	C-5	F
IC1502	B-5	F
IC1503	F-6	C
IC2001	G-3	C
IC2002	C-8	F
IC2006	F-4	C
IC2301	G-7	C
IC2304	C-5	F
IC2305	C-5	F
IC3301	F-4	C
IC3401	C-7	F
IC3402	G-5	C
IC3701	F-6	C
IC4801	E-2	C
IC6021	C-5	F

Transistor		
Q703	F-4	C
Q704	F-4	C
Q1321	B-7	F
Q1371	C-10	F
Q1372	G-2	C
Q1373	G-2	C
Q1374	G-3	C
Q1421	F-5	C
Q1471	G-2	C
Q1501	F-7	C
Q1502	E-7	C
Q1503	G-6	C
Q1504	B-5	F
Q2001	G-4	C
Q4801	E-3	C
Q6402	B-10	F
Q6403	B-10	F

Transistor-resistor		
QR701	B-9	F
QR702	B-10	F
QR1001	F-5	C
QR1002	C-9	F
QR1101	C-9	F
QR1371	B-9	F
QR1391	B-9	F
QR1392	B-9	F
QR1411	C-9	F
QR1471	G-3	C
QR1503	C-5	F
QR2301	C-5	F
QR2308	F-6	C
QR3401	C-8	F
QR3402	C-8	F

QR6001	G-7	C
QR6002	G-7	C
QR6005	G-7	C
QR6006	G-7	C
QR6007	G-7	C

Test Point		
CK2001	C-6	F
CK2002	C-8	F
CK2003	D-8	F
CK2004	C-8	F
CK2005	C-8	F
CK2006	D-8	F
CK2007	D-8	F
CL1001	C-9	F
CL1002	F-2	C
CL1101	F-5	C
CL1103	C-9	F
CL1105	F-6	C
CL1301	C-5	F
CL1311	C-6	F
CL1321	F-4	C
CL1331	G-2	C
CL1341	G-3	C
CL1351	F-3	C
CL1361	F-3	C
CL1371	B-9	F
CL1372	C-10	F
CL1381	F-2	C
CL1391	B-9	F
CL1411	B-10	F
CL1421	E-5	C
CL1461	C-9	F
CL1471	G-3	C
CL1472	G-2	C
CL2008	C-7	F
CL2009	C-6	F
CL2010	C-6	F
CL2011	C-6	F
CL2012	C-6	F
CL2013	C-6	F
CL3491	F-4	C
CL3492	F-4	C
CL6001	B-10	F
CL6002	E-5	C
CL6003	B-8	F
CL6004	B-5	F
CL6005	G-5	C
CL6006	D-9	F
CL6007	C-10	F
CL6008	C-10	F
CL6009	F-7	C
CL6010	G-7	C
CL6011	G-7	C
CL6012	G-7	C
CL6013	D-8	F
RL2001	B-8	F
RL2002	B-8	F
RL2003	B-8	F
RL2004	B-8	F
RL2005	B-8	F
RL2010	G-4	C
RL2011	G-4	C
RL3701	F-5	C
RL3702	F-5	C

Connector		
FP6001	D-9	F

FP6004	B-6	F
FP6005	G-4	C
FP6007	B-6	F
FP6008	B-9	F
FP6009	E-2	C
JK6001	G-6	C
JK6002	G-6	C
P6003	B-10	F
PP6002	F-7	C
PP6006	B-8	F
PS6001	C-10	F

Diode		
D101	B-7	F
D102	F-6	C
D1261	F-2	C
D1271	B-10	F
D1291	B-9	F
D1371	B-9	F
D1391	B-9	F
D1471	G-2	C
D1472	G-2	C
D1503	E-7	C
D1504	G-7	C
D1505	C-5	F
D2301	F-6	C
D6001	G-7	C

IC Protector		
IP1501	F-7	C
IP1502	F-7	C

Crystal Oscillator		
X2001	F-3	C
X2301	F-6	C
X2302	F-6	C
X2303	C-5	F
X3401	C-8	F
X3402	F-5	C

Coil		
L101	E-5	C
L102	B-7	F
L103	B-7	F
L104	E-5	C
L1211	C-9	F
L1221	C-10	F
L1231	G-2	C
L1241	G-3	C
L1251	F-3	C
L1261	F-2	C
L1271	B-10	F
L1281	G-2	C
L1291	B-9	F
L1371	B-9	F
L1391	B-9	F
L1501	F-7	C
L3401	F-4	C
L3402	F-5	C
L3701	F-6	C
L3702	F-6	C
L3704	C-6	F
LB3401	C-7	F
LB3451	G-5	C
LB3951	G-4	C
LB6001	G-5	C
LB6002	G-6	C
LB6003	G-6	C

Filter		
FL6001	G-6	C

Capacitor		
C101	E-6	C
C102	F-6	C
C103	C-6	F
C105	B-6	F
C106	F-6	C
C107	B-6	F
C108	B-6	F
C109	B-6	F
C110	B-6	F
C111	B-7	F
C112	C-6	F
C113	C-6	F
C114	B-7	F
C115	F-6	C
C116	B-6	F
C117	B-7	F
C118	B-7	F
C119	B-6	F
C120	B-6	F
C121	B-7	F
C122	C-6	F
C123	F-6	C
C124	C-6	F
C125	B-6	F
C126	C-6	F
C127	B-6	F
C128	B-6	F
C129	E-6	C
C130	E-6	C
C601	C-8	F
C602	C-9	F
C603	C-9	F
C604	C-9	F
C605	C-9	F
C606	C-9	F
C607	C-9	F
C608	C-9	F
C609	C-8	F
C612	C-9	F
C613	C-8	F
C614	C-9	F
C701	F-4	C
C702	E-4	C
C703	F-4	C
C704	F-4	C
C705	F-4	C
C706	F-4	C
C707	E-4	C
C708	E-3	C
C709	F-4	C
C710	F-4	C
C711	F-3	C
C712	E-3	C
C713	E-3	C
C714	F-3	C
C715	F-4	C
C716	E-4	C
C717	E-3	C
C718	E-3	C
C719	E-3	C
C720	E-3	C
C721	E-3	C
C722	E-3	C
C723	F-3	C
C724	F-3	C
C726	F-3	C
C727	E-3	C
C728	E-3	C
C729	F-3	C
C730	F-3	C
C731	F-3	C
C732	E-3	C
C733	E-3	C
C734	E-3	C
C751	E-4	C
C752	E-4	C
C753	B-8	F
C754	B-9	F
C755	B-9	F
C761	F-4	C
C762	F-4	C
C1001	C-9	F
C1041	G-3	C
C1042	G-3	C
C1061	F-2	C
C1081	G-2	C
C1082	F-2	C
C1083	F-2	C
C1101	C-10	F
C1102	C-10	F
C1103	C-9	F
C1104	C-9	F
C1161	C-9	F
C1211	C-9	F
C1212	C-9	F
C1213	C-9	F
C1214	C-6	F
C1221	C-10	F
C1222	G-2	C
C1231	C-9	F
C1232	G-2	C
C1241	G-3	C
C1242	G-3	C
C1252	F-3	C
C1261	G-2	C
C1271	C-9	F
C1272	B-10	F
C1273	C-10	F
C1281	F-2	C
C1282	F-2	C
C1283	G-2	C
C1291	B-9	F
C1292	C-10	F
C1301	C-5	F
C1302	C-5	F
C1326	F-4	C
C1332	G-2	C
C1356	F-3	C
C1371	B-9	F
C1372	B-9	F
C1373	B-9	F
C1374	B-9	F
C1375	C-10	F
C1376	G-3	C
C1391	B-9	F
C1393	B-9	F
C1411	C-9	F
C1421	E-5	C
C1422	E-5	C
C1471	G-2	C
C1501	F-7	C
C1502	C-5	F
C1503	C-5	F
C1505	F-7	C
C1506	B-5	F
C1507	F-6	C
C1508	F-6	C
C1509	E-7	C
C1511	F-7	C
C1512	F-7	C
C1513	F-6	C
C1515	F-6	C
C1518	F-7	C
C1519	G-6	C
C1520	C-5	F
C1521	C-5	F
C1522	C-5	F
C1523	C-5	F
C2002	F-4	C
C2003	C-8	F
C2004	F-3	C
C2005	G-4	C
C2006	F-4	C
C2007	F-3	C
C2008	F-3	C
C2009	G-3	C
C2010	G-3	C
C2011	G-3	C
C2012	G-3	C
C2013	G-3	C
C2014	G-3	C
C2015	G-4	C
C2016	G-3	C
C2017	G-3	C
C2018	G-4	C
C2301	F-6	C
C2302	F-6	C
C2303	F-6	C
C2304	F-6	C
C2305	F-7	C
C2306	C-5	F
C2307	C-5	F
C2308	C-5	F
C2309	C-5	F
C2310	F-6	C
C2311	G-6	C
C3301	F-4	C
C3401	F-5	C
C3402	F-5	C
C3403	F-5	C
C3404	B-7	F
C3405	G-5	C
C3406	C-8	F
C3407	C-8	F
C3408	F-5	C
C3409	B-8	F
C3410	B-7	F
C3411	B-8	F
C3412	C-8	F
C3413	B-7	F
C3414	B-8	F
C3415	F-5	C
C3416	F-4	C
C3417	F-5	C
C3418	F-4	C
C3419	F-4	C
C3420	F-5	C
C3421	C-7	F
C3422	F-5	C
C3423	F-5	C
C3424	C-7	F
C3425	C-7	F
C3426	C-7	F
C3427	C-6	F
C3428	C-8	F
C3429	C-7	F
C3430	B-7	F
C3431	B-7	F
C3432	F-5	C
C3433	F-5	C
C3436	F-5	C
C3437	F-5	C
C3438	F-5	C
C3439	F-5	C
C3440	F-5	C
C3441	F-5	C
C3442	G-5	C
C3443	C-7	F
C3444	C-7	F
C3445	C-7	F
C3446	C-7	F
C3447	C-7	F
C3481	B-8	F
C3482	B-8	F
C3483	B-8	F
C3484	B-8	F
C3485	B-8	F
C3486	B-8	F
C3487	B-9	F
C3488	B-9	F
C3489	B-9	F
C3490	B-9	F
C3491	B-9	F
C3492	B-9	F
C3493	B-8	F
C3494	B-8	F
C3495	B-8	F
C3496	B-8	F
C3701	F-6	C
C3702	F-6	C
C3704	C-6	F
C3705	F-5	C
C3706	F-5	C
C3707	F-5	C
C3709	G-5	C
C3710	G-5	C
C3712	F-5	C
C3713	F-6	C
C3714	F-6	C
C3715	F-6	C
C3716	F-6	C
C3717	F-6	C
C3718	F-6	C
C3951	G-5	C
C3952	G-5	C
C3953	G-5	C
C3954	G-5	C
C3955	G-5	C
C3956	G-4	C
C3957	F-4	C
C4801	F-2	C
C4802	E-2	C
C4803	F-3	C
C4804	F-2	C
C4805	F-2	C
C4806	F-2	C
C4807	E-2	C
C4809	E-2	C
C4810	F-2	C
C4811	E-2	C
C4812	F-3	C
C6001	F-6	C
C6002	C-6	F
C6003	G-5	C
C6004	G-6	C
C6005	C-6	F
C6018	B-9	F
C6019	B-9	F
C6020	B-8	F
C6021	G-3	C
C6022	C-5	F
C6023	C-9	F
C6024	C-9	F
C6401	B-10	F
C6402	B-10	F

Resistor		
R101	E-6	C
R102	E-5	C
R104	C-6	F
R105	B-7	F
R106	B-6	F
R128	B-6	F
R129	B-6	F
R130	B-6	F
R603	C-8	F
R604	C-8	F
R701	F-4	C
R702	F-4	C
R703	F-3	C
R704	F-3	C
R705	E-3	C
R706	E-3	C
R707	B-9	F
R710	F-4	C
R711	F-4	C
R712	F-4	C
R713	F-4	C
R714	E-4	C
R715	F-4	C
R716	E-3	C
R717	E-3	C
R718	E-3	C
R719	E-3	C
R720	F-3	C
R721	F-3	C
R722	E-3	C
R723	F-3	C
R724	E-3	C
R725	F-3	C
R751	E-4	C
R752	B-10	F
R753	B-10	F
R754	B-10	F
R755	F-3	C
R756	F-3	C
R1041	G-3	C
R1042	G-3	C
R1081	G-2	C
R1082	F-2	C
R1083	F-2	C
R1101	C-10	F
R1102	C-9	F
R1103	C-9	F
R1105	C-9	F
R1107	C-9	F
R1108	C-10	F
R1109	C-10	F
R1110	C-10	F
R1111	F-3	C
R1112	C-9	F
R1113	F-3	C
R1161	C-9	F
R1211	C-9	F
R1212	B-9	F
R1213	C-9	F
R1214	C-9	F
R1221	C-10	F
R1222	C-9	F
R1231	C-9	F
R1232	C-10	F
R1233	C-10	F
R1234	C-10	F
R1242	G-3	C
R1244	G-3	C
R1252	C-10	F
R1253	C-10	F
R1254	C-10	F
R1261	F-2	C
R1271	C-10	F
R1272	C-10	F
R1273	C-10	F
R1274	C-10	F
R1275	C-10	F
R1276	C-10	F
R1281	F-2	C
R1282	F-2	C
R1284	F-2	C
R1292	C-10	F
R1293	C-10	F
R1294	C-10	F
R1295	C-10	F
R1321	B-7	F
R1322	B-7	F
R1323	B-7	F
R1324	B-7	F
R1325	B-7	F
R1341	G-3	C
R1351	G-3	C
R1371	B-9	F
R1372	D-10	F
R1373	C-10	F
R1374	G-2	C
R1375	G-2	C
R1376	G-3	C
R1377	G-2	C
R1378	G-2	C
R1391	B-9	F
R1421	E-5	C
R1422	F-5	C
R1423	E-4	C
R1424	F-4	C
R1425	F-4	C
R1473	G-2	C
R1474	G-2	C
R1501	C-5	F
R1502	C-5	F
R1503	C-5	F
R1504	G-7	C
R1510	B-5	F
R1511	B-5	F
R1512	B-5	F
R2001	G-4	C
R2002	F-3	C
R2005	G-3	C
R2006	F-4	C
R2008	C-8	F
R3402	F-5	C
R3403	C-7	F
R3404	B-7	F
R3405	C-8	F
R3406	B-8	F
R3407	F-4	C
R3451	C-7	F
R3481	B-8	F
R3482	B-9	F
R3483	B-8	F
R3484	B-8	F
R3485	B-8	F
R3486	B-8	F
R3487	B-8	F
R3488	B-8	F
R3489	B-8	F
R3490	B-8	F
R3491	B-8	F
R3492	B-8	F
R3493	B-8	F
R3494	B-8	F
R3495	B-8	F
R3499	C-8	F
R3703	F-5	C
R3704	F-6	C
R3705	F-6	C
R3708	F-5	C
R3710	F-6	C
R3711	G-5	C
R3712	G-5	C
R3713	C-6	F
R4802	E-3	C
R4803	F-2	C
R4804	F-2	C
R4805	F-2	C
R4806	F-2	C
R4807	F-2	C
R4808	E-2	C
R4809	E-2	C
R4810	F-2	C
R6001	G-7	C
R6002	G-7	C
R6003	C-5	F
R6004	G-7	C
R6005	G-7	C
R6006	C-6	F
R6007	C-6	F
R6011	G-5	C
R6015	F-5	C
R6016	C-10	F
R6017	D-10	F
R6018	C-10	F
R6019	D-10	F
R6021	F-4	C
R6022	F-4	C
R6023	F-4	C
R6024	G-4	C
R6025	F-4	C
R6026	D-7	F
R6027	C-8	F
R6032	C-10	F
R6033	C-10	F
R6034	D-10	F
R6035	F-3	C
R6036	C-10	F
R6040	B-8	F
R6042	F-4	C
R6403	B-10	F
R6404	B-10	F
R6405	B-10	F
R6406	B-10	F
R6407	B-10	F
R6408	B-10	F

RX2001	G-4	C
RX2002	F-3	C
RX2005	G-3	C
RX2006	F-4	C
RX2008	C-8	F
RX3402	F-5	C
RX3403	C-7	F
RX3404	B-7	F
RX3405	C-8	F
RX3406	B-8	F
RX3407	F-4	C
RX3451	C-7	F
RX3481	B-8	F
RX3482	B-9	F
RX3483	B-8	F
RX3484	B-8	F
RX3485	B-8	F
RX3486	B-9	F
RX3487	B-8	F
RX3488	B-8	F
RX3951	D-7	F

Varistor		
VA1501	F-7	C
VA1502	E-7	C
VA1503	B-6	F
VA1504	G-7	C
VA4801	F-2	C
VA4802	F-2	C
VA6001	G-6	C
VA6004	G-5	C
VA6005	G-6	C

Ground Terminal		
G1113	F-3	C
G1323	F-4	C
G1324	F-4	C
G1351	G-3	C
G1371	B-9	F
G1391	B-9	F
G1422	F-5	C
G6021	F-4	C

Switch		
S6001	C-7	F
S6002	C-8	F
S6003	C-8	F
S6005	G-2	C

Address Information
C.....Component Side
F.....Foil Side

S6. Abbreviation

	INITIAL/LOGO	ABBREVIATIONS
A	A GND	Analogue GND
	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-, ADR0-	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

	INITIAL/LOGO	ABBREVIATIONS
	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)
	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 Encorder
	BLKCK	Sub Code Block Clock
	BLKI/O	Blanking Pulse In/Out
	BLKZ	Blanking Pulse for Zoom Encorder
	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	Bypath
	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)

	INITIAL/LOGO	ABBREVIATIONS
	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
	CI, CO	Buffer In/Out
	CIF	Control Signal Forward Input
	CIF, CIR	Positive Control Pulse, Negative Control Pulse
	CIR	Control Signal Reverse Input
	CK	Clock
	CKSL	System Clock Select
	CL	Clock
	CLK	Clock
	CLASS	Classeffication Signal for Compress (DCT/VLC)
	CLASS 0.1	Class Control Signal Durring DCT/VLC
	CLK135	13.5MHz System Clock
	CLK27	27MHz System Clock
	CLK450	450KHz Clock
	CLKDCLK	Digital Clock
	CLK-PH	Clock Phase Control
	CLK-REF	Reference Clock
	CLP-RST-H	Clamp Reset High Signal
	CLV	Constant Linear Velocity
	CLX	TFT X-axis Transmission Clock

	INITIAL/LOGO	ABBREVIATIONS
	CLX	Shift Clock for X Direction (LCD Panel)
	CLY	Shift Clock for Y Direction (LCD Panel)
	CLY	TFT Y-axis Transmission Clock
	CMEMO0-3	Chroma Memory Output Signal
	CMIX	Character Mix
	CMO	Chrominance Memory Output
	CMODE	Camera Mode
	CNCLK	Clock
	CNR	Chrominance Noise Reduction
	CNT, CONT	Control
	CO	Control Out
	CO0-7	Chrominance Output (Digital)
	COFTR	Cap. OFF Track
	COM	Common
	COM RDY	Serial Enable Signal
	COM RDY	Serial Transmission Enable
	COMB	Comb Filter
	COMPC	Position Detection Pulse
	COS EQ	Cosin Equalizer
	CP	Clamp Pulse
	CP ON	Camera Power ON
	CP2, 20	Clamp Pulse
	CP2A, CP2O	Encoder Clamp Pulse
	CPA	CPU Address
	CPCS	CPU Chip Select
	CPDT	CPU Data
	CPN	Component Signal
	CPOB	Clamp Pulse for Optical Blanking
	CPRD	CPU Read Enable
	CPS	Composite Signal
	CPUADR	CPU Address Latch
	CPUADT	CPU Address Data Bus
	CPUIRQ	CPU Interrupt Request
	CPV	Gate Scan Clock
	CPWR	CPU Write Enable
	CR OUT	Pre Apature Out
	CR POW SW	Camera Remote Power ON Switch
	CRA	Aperture Gain Control
	CRA	Pre Apature Gain Control
	CRST	Camera Reset
	CS	Chip Select
	CS 0-7	Chrominance Signal Out
	CSEL	Clock Phase Select
	CSI 0-7	Chrominance Signal In
	CSYNCIN	Composite Sync In
	CSYNCOUT	Composite Sync Out
	CTSW	Crosstalk Switch
	CURR	Current
	CW	Clockwise
D	D CLK	Digital Clock
	D MODE	Digital Mode Switch Signal
	D01-03	Zoom 01-03
	DA UV SEL	D/A Convertor U/V Select

	INITIAL/LOGO	ABBREVIATIONS
	DAC	Digital Analogue Converter
	DACCK	D/A Converter Clock
	DAG	Digital Analogue Ground
	DB0-7	Microprocessor Data
	DCC	DC Clamp Control
	DCCNT	DC Control
	DCI	Digital Channel Cording IC
	DCLR	Digital Clear
	DCP	Digital Clamp Pulse
	DCS-CLK, DA	CAS & DV I/F Serial Clock
	DC-STP1	DCS Serial Start
	DC-STP2	DCS Serial Stop
	DCT	Discrete Cosine Transform (Compression)
	DCX7	Serial Data
	DEEMP	Deemphasis bit ON/OFF
	DEMO	Demodulation
	DEMP	A/D Convertor Empahsis Control
	DEMP	De-Emphasis
	DIBDCK	bit Clock
	DICLK	Digital Clock
	DIDAT	Serial Data Durring Digital Audio In
	DIF	Digital Interface
	DIG0-	FL Digit Output
	DILRCK	Serial Clock Durring Digital Audio In
	DIMCK	Master Clock Durring Digital Audio In
	DIN	Data Input
	DIO 1-8	Data In/Out
	DIOS	Data In/Out Select Control Signal
	DIOS	Select Signal for Digital In/Out
	DIS	Digital Image Stabilizer
	DIS R/B	Digital Image Stabilizer Read/Busy
	DIS/KAND	Digital Image Stabilizer/Sensitivity
	DISCS	Dis Chip Select
	DISP	Display
	DL	Delay Line
	DMSRCK	DM Serial Data Read Clock
	DMUTE	Digital Mute Control
	DO	Drop Out
	DOBCK	Audio A/D Convertor bit Clock
	DOCTL	Data Output Control Signal
	DODAT	Serial Data (to D/A Converter)
	DOLRCK	Audio A/D Converter LR Clock
	DOMCK	Audio A/D Converter Master Clock
	DOUT0-	Data Output
	DQ 1-16	Memory Data
	DRAM CAS	D-RAM Colum Address Strobe
	DRAM OE	D-RAM Out Enable
	DRAM RAS	D-RAM Read Address Strobe
	DREC	AV Delayed REC Start Pulse
	DREQ	Data Request
	DRESP	Data Response
	DRF	Data Slice RF (BIAS)
	DRK	Dark (LPF Switch for Auto Focus)

	INITIAL/LOGO	ABBREVIATIONS
	DRPOUT	Drop Out Signal
	DS1, 2	Double Sampling Pulse
	DSC	Digital Servo Controller
	DSLF	Data Slice Loop Filter
	DSP	Digital Signal Processor
	DSP R/B	DSP IC Rady/Busy
	DSP-48K-H	DSP IC Clock Select
	DSTB	Data Stobe Signal
	DSV	Digital Sum Variation
	DV	Digital Video
	DVB	Digital Video Broadcast
	DVC	Digital Video Cassette
	DVD	Digital Video Disc
	DVDD	Digital VDD
	DVIO	Digital Video Input Output
	DVSS	Digital Ground
	DX	Shift Data for X Direction (for LCD)
	DY	Shift Data for Y Direction (for LCD)
	DY	TFT Y-axis Shift Data
	DZ	Digital Zoom
E	E Snap	Electric Snap Shot
	E ZM	Electric Zoom
	E2 CS	EEPROM Chip Select
	E2P CS	EEPROM Chip Select
	E2 R/B	EEPROM Rady/Busy
	E2P	EEPROM
	EARP	Earphone
	EC	Error Torque Control
	ECC	Error Correction Cording
	ECM	Electric Condencer Mic
	ECR	Error Torque Control Reference
	EDA	Error Correction, DCI, ATF Servo
	EE CS	EEPROM Chip Select
	EE R/B	EEPROM Read/Busy
	EEPROM	Electric Erasable Programable Read Only Memory
	EIS	Electric Image Stabilizer (DIS)
	EMP	A/D Convertor Emphasis Control
	ENAB	Enable
	ENCSEL	Encoder Select
	ENV	Enverope
	EOB	End of Block
	EQ	Equalizer
	ETMCLK	External M Clock (81MHz/40.5MHz)
	ETSCLK	External S Clock (54MHz)
	EVF	Electric View Finder
	EXT DC	External DC (AC Adaptor)
	EXT NOREG	AC Adaptor 7.2/7.9V
	EXT S DATA	Serial Data for Edit
	EXT SCK	Serial Clock for Edit
	EZOOM	Electric Zoom
F	F ENC	Lens F-Value
	FACT MODE	Factry Mode (not used in the service)
	FB	Feed Back

	INITIAL/LOGO	ABBREVIATIONS
	FBAL	Focus Balance
	FC	Saw Tooth Signal In
	FCLK	Frame Clock
	FCO	Saw Tooth Signal Generator
	FE	Focus Error
	FENC	Focus Encoder
	FEND	Frame End Pulse
	FEO	Focus Error AMP Output
	FFI	Focus Error AMP Inverted Input
	FG	Frequency Generator
	FLICK	Flicker Output
	FM	Field Memory
	FMCO0-3	Field Memory Chrominance Out
	FMDIR	Focus Motor Direction
	FMOEM	Field Memory Enable
	FMOEO	Field Memory Enable
	FMT1-4	Focus Motor Terminal
	FMY00-07	Field Memory Luminance Out
	FMYI0-07	Field Memory Luminance In
	FNO	F Value
	FPS	Frame Refference Signal
	FRP	Frame Refference Pulse
	FRPSO	Frame Start Pulse
	FSC	Frequency Sub Carrier
	FSCK	FS (384 Over Sampling) Clock
G	G1, G2, G3	Gap 1,2,3
	GCA	Gain Control AMP
	GCNT	Gain Control
	G-CNT	AGC Adjustment
	GCTRL	Gain Control
	GENE	Generator
	GND	Common Grounding (Earth)
	GSW	Ground for Switching Power
H	H1, 2	H CCD Drive Pulse
	HA0-	Host Address
	HALL IN(+), (-)	Input Signal from Hall IC
	HAP	Horizontal Aperture
	HB	Hall Bias
	HBR SET	High Brightness Set
	HBRST	High Brightness Set
	HCLR	High Clear
	HCP	Shift Clock for Horizontal Drive
	HD	Horizontal Drive Pulse
	HD0-7	Host Data
	HDTV	High Definition TV
	HEX	Hexadecimal
	HG	Hall Gain
	HINT	Host Interrupt
	HLT	High Bright Signal
	HP	Headphone
	HPF	High Pass Filter
	HRXW	Host Read/Write
	HSE	Modulated Data Output

	INITIAL/LOGO	ABBREVIATIONS
	HSS	Horizontal Sync Signal
	HS-WT	High Speed Zoom
	HSZ	High Speed Zoom
I	I/F	Interface
	I-2 C	Inter Integrated Circuit
	ID	Wide Television
	IECOUT	IEC958 Format Data Output
	IMP	Inter Microprocessor Protocol
	INF	CCD Input Signal 1
	INF	Input Frame Signal
	INS	CCD Input SIgnal 2
	INTER	Interval Recording
	INV	Inverter
	IOU	R-Y Analogue Signal Output
	IOV	B-Y Analogue Signal Output
	IOY	Y Analogue Signal Output
	IPFRAG	Interpolation Flag
	IR	Infrared Rays
	IRDET	Imfrared Ray Detection
	IREF	Current Reference
	IRIS/SH	IRIS / Shutter Control
	IRQ	Interrupt Request
	ISEL	InteRFace Mode Select
J	JPEG	Joint Photographic Image Cording Experts Group
K	KANDO	Digital Gain Up
	KB	Carrier Balance
	KEY IN	Key Scan
	KND	Digital Gain Up
	KNEE	Luminance Compensate
L	LCD	Liquid Crystal Display
	LDD	Liquid Direct Drive
	LDON	Laser Diode Control
	LEDCNT	LED Control
	LI-BATT	Lithium Battery
	LPC	Laser Power Control
	LPF	Low Pass Filter
	LRCK	L CH/R CH Distinction Clock
	LSB	Least Significant bit
	LVL	LPF Switch for Auto Focus
M	MA0-	Memory Address
	Mbps	Megahertz bit Per Second
	MCK	Memory Clock
	MCKI	Memory Clock Input
	MCLK	Memory Serial Command Clock
	MD	Modulation
	MD0-7	Microprocessor Data
	MDATA	Memory Serial Command Data
	MDQ0-	Memory Data Input/Output
	MDQM	Memory Data I/O Mask
	MDT0-7	Microprocessor Data
	MENB	Focus Motor Enable
	MFF	Manual Focus Far
	MFN	Manual Focus Near

	INITIAL/LOGO	ABBREVIATIONS
	MHSYNC	Monitor Horizontal Sync Signal
	MIX N.R.D.	Non Rec Data Mix
	MLD	Memory Serial Command Load
	MOD	Modulation
	MOUT	MIC Out
	MPEG	Moving Picture Image Cording Experts Group
	MRST	Focus Motor Reset
	MSB	Most Signal bit
	MVSYNC	Monitor Vertical Sync Signal
N	N/F	Near/Far Focus
	N/P	NTSC/PAL
	NC	No Connection
	NCLR	Power ON Reset
	NCP1	Clamp Pulse
	NCP2+VDH	Clamp Pulse + Horizontal Drive Pulse
	NCP2+VDM	Clamp Pulse + Gate Pulse
	NDE	Non Liner De-Emphasis
	NLE	Non Liner Emphasis
	NR	Noise Reduction
	NRD	Non Rec Data
	NRD BLK	Non Rec Data Blanking
	NRD CLK	No Rec Data Clock
	NRE	Read Enable Input (Low Active)
	NWE	Write Enable (Low Active)
O	OB	Optical Black
	OBCNT	Optical Black Control
	OBREF	Reference Voltage for Optical Black Control
	ODC	Optical Disc Controller
	OE	Output Enable
	OFH	Horizontal Counted Down Clock Signal (Reference)
	OFS	Offset
	OFTR	OFF Tracking
	OP	Operation AMP Output
	OSCI	Oscillator Input
	OSCO	Oscillator Output
	OSD	On Screen Display
	OVL	Overlap Pulse
	OZ	Optical Zoom
P	P SW	Power Switch
	P1-	PORT
	PBCTL	Play Back Control
	PBCTL	Pre-Branking 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

	INITIAL/LOGO	ABBREVIATIONS
	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 Transmition
	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)
	RENCR	Lens Control (Reverse)
	RFENV	RF Envelope
	RFO	RF Phase Difference Output
	RGO R/G OFF	Offset Voltage for AWT R
	RS	(CD-ROM) Register Select
	RSEL	RF Polarity Select
	RST	Reset
	RSTB	R Strobe
	RSTPWD	Reset Power Down Input
	RSTR	Reset Read
	RSTW	Reset Write
	RSV	Reserve
	RT	Saw Tooth Terminal
	RTC	Real Time Control
	RVCO	Resister for Oscillation
	RW	Read Write
	RWAE	Read Write Enable

	INITIAL/LOGO	ABBREVIATIONS
S	S PHOT	Supply Photo Transistor
	S/H	Sampling Hold
	S/S	Start/Stop
	SBCK	Sub Code Clock
	SBD	Serial Data
	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 Switcing 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

	INITIAL/LOGO	ABBREVIATIONS
	STVALID	Stream Data Validity
	SUBC	Sub Code Serial
	SUBQ	Sub Code Q Data
	SWB	Switching Pre-Drive Pulse
	SYSCLK	System Clock
T	TE	Tracking Error
	TFT	Thim Film Transistor
	TH	Thermostat for Battery
	TI	Test Mode Select
	TIBAL	Balance Control
	TID	Balance Output
	TIN	Balance Input
	TIP	Balance Input
	TIS	Balance Output
	TL	Torque Limit
	TM	Sub Code
	TMD	Sub Code Data
	TPSN	OP AMP Input
	TPSO	OP AMP Output
	TPSP	OP AMP Inverted Input
	TRCRS	Track Cross Signal
	TRON	Tracking ON
	TRSON	Traverse Servo ON
U	U/V SEL	R-Y/B-Y Select Signal
	UNRE	Microprocessor Read Enable
	UNWE	Microprocessor Write Enable
	UV	R-Y/B-Y
	UV SEL	R-Y/B-Y Select Signal
V	V1-V4	V. CCD Drive Pulse
	VB	VH Filter Switching
	VBLANK	V Blanking
	VCC	Collector Power Supply Voltage
	VCDCONT	Video CD Control (Tracking Balance)
	VCE	Power Terminal
	VCNTL	Video Control
	VCO	Voltage Control Oscillator
	VCP	Shift Clock Output for Vertical Drive
	VCTLD	Video Control
	VCTRL	Voltage Charge Control
	VD	Vertical Drive Pulse
	VDD	Drain Power Supply Voltage
	VDDX	X Drive Power for Colour LCD
	VDDXY	XY Drive Power for Colour LCD
	VDDY	Y Drive Power for Colour LCD
	VDREC	Video Delayed Rec
	VFB	Video Feed Back
	VGG	Voltage for Gate IC
	VGL	Gate OFF Voltage
	VID	Video Signal Out
	VIN	Video In
	VITC	Vertical Interval Time Code
	VITERBI	One of Signal Detection Method
	VL	Low Voltage

	INITIAL/LOGO	ABBREVIATIONS
	VLC	Variable Length Cording
	VM	Motor Voltage
	VMD	Velocity Mode Data
	VMD1-3	Electric Shutter Mode
	VMODE	NTSC/PAL Select Switch
	VMVH	VH Filter Switching
	VRB	Voltage Refference Bottom
	VRBS	Voltage Refference Bottom Output
	VREF	Voltage Reference
	VREFH	Refference Voltage High Side
	VREFL	Refference Voltage Low Side
	VRI	Refference Voltage Input
	VRO	Refference Voltage Output
	VRT	Voltage Refference Top
	VRTS	Voltage Refference Top Output
	VS	Switching Comparator
	VSS	Source Power Supply Voltage
	VSS	Vertical Sync Signal
	VSSX	X Driver Power for Colour LCD
	VSSXY	X-Y Driver Power for Colour LCD
W	W/N	Mode Select for Window Mode
	W/N	Wide / Normal
	WAD	Write Address Enable
	WAE	Write Address Enable
	WAERAE	Write Address Enable
	WAIT	BUS Cycle Wait
	WARI	Interrupt
	WB	White Balance
	WDCK	Word Clock
	WE	Write Enable
	WEH	Write Enable High
	WEM	Memory Write Enable
	WHD	Wide Horizontal Drive Pulse
	WIDE A	Wide Zoom
	WSB	B AGC Control
	WSR	R AGC Control
	WSR	Word Select Receiver
	WTV	Wide TV
X	X	X' TAL
	XALE	X Address Latch Enable
	XAREQ	X Audio Data Request
	XCDrom	X CD ROM Chip Select
	XCS	X Chip Select
	XCSYNC	X Composite Sync
	XDS	X Data Strobe
	XHINT	XH Interrupt Request
	XHSYNCO	X Horizontal Sync Output
	XI	X' TAL Oscillator Input
	XINT	X Interrupt
	XMW	X Memory Write Enable
	XO	X' TAL Oscillator Output
	XP	FG Logic Reset
	XRE	X Read Enable

	INITIAL/LOGO	ABBREVIATIONS
	XSRMCE	X SRAM Chip Enable
	XSRMOE	X SRAM Output Enable
	XSRMWE	X SRAM Write Enable
	XVCS	X V-Dec Chip Select
	XVDS	X V-Dec Control Bus Strobe
	XVSYNCO	X Vertical Sync Output
Y	Y FM0-7	Y Field Memory
	YGC	Y Gain Control
	YMO 0-7	Y Field Memory
	YNCST	Noize Canceller
	YNR	Luminance Noise Reduction
	YSDP 0-7	Digital Y Out
Z	Z.ENC	Zoom Encoder
	Z.MIC	Zoom MIC
	ZENC	Zoom Encoder Output
	ZMDIR	Zoom Drive
	ZMEN	Zoom Enable
	ZMT	Zoom Motor Tele Side
	ZMTER	Zoom Motor Tele Side
	ZMW	Zoom Motor Wide Side
	ZSW	Zoom Switch

S7. Check Point of The IC

S7.1. Check Point of the IC101

CSP IC		Check Point	Remarks
Pin	Name		
1(A1)	H1	C116 (UPPER)	MAIN P.C.B. (F)
2(A2)	DVDD5	-	
3(A3)	DVSS5	-	
4(A4)	DLLC	C113 (LOWER)	MAIN P.C.B. (F)
5(A5)	DVSS3	-	
6(A6)	DVDD3	-	
7(A7)	OSCO	-	
8(A8)	OSCI	CH105	MAIN P.C.B. (F)
9(A9)	SCAN	-	
10(A10)	NC	-	
11(B1)	H2	R129 (UPPER)	MAIN P.C.B. (F)
12(B2)	DVDD5	-	
13(B3)	DVSS5	-	
14(B4)	DVSS5	-	
15(B5)	CLKO	-	
16(B6)	RESET	C126 (LOWER)	MAIN P.C.B. (F)
17(B7)	V1	-	
18(B8)	D7	-	
19(B9)	D11	-	
20(B10)	D10	-	
21(C1)	RG	C108 (UPPER)	MAIN P.C.B. (F)
22(C2)	VDRVDD	-	
23(C3)	VDRVDD	-	
24(C4)	VD	CH101	MAIN P.C.B. (F)
25(C5)	HD	CH102	MAIN P.C.B. (F)
26(C6)	VH	-	
27(C7)	D9	-	
28(C8)	V3	-	
29(C9)	V2	-	
30(C10)	D8	-	
31(D1)	DVDD4	-	
32(D2)	HL	-	
33(D3)	DVSS4	-	
34(D4)	VM	-	
35(D8)	D4	-	
36(D9)	D6	-	
37(D10)	DVDD2	-	
38(E1)	DVSS4	-	
39(E2)	DVSS4	-	
40(E3)	DVSS4	-	
41(E8)	V4	-	
42(E9)	D5	-	
43(E10)	D2	-	
44(F1)	DVDD1	-	
45(F2)	DVSS	-	
46(F3)	DVSS	-	
47(F8)	V5	-	
48(F9)	D3	-	
49(F10)	D0	-	
50(G1)	AVDD1	-	
51(G2)	NC	-	
52(G3)	TEST02	-	
53(G8)	V6	-	
54(G9)	D1	-	
55(G10)	DVSS12	-	
56(H1)	VRM	C111 (LEFT)	MAIN P.C.B. (F)
57(H2)	OSC_ON	-	
58(H3)	AVSS12	-	
59(H4)	AVSS12	-	
60(H5)	DVDD1	-	

Check Point of the IC101

CSP IC		Check Point	Remarks
Pin	Name		
61(H6)	DVDD1	-	
62(H7)	MON	CH103	MAIN P.C.B. (F)
63(H8)	VL	-	
64(H9)	NC	-	
65(H10)	SUB	C124 (LOWER)	MAIN P.C.B. (F)
66(J1)	BIAS	R105 (LEFT)	MAIN P.C.B. (F)
67(J2)	NC	-	
68(J3)	SHC	C117 (UPPER)	MAIN P.C.B. (F)
69(J4)	AVSS12	-	
70(J5)	AVSS12	-	
71(J6)	SCK	CH108	MAIN P.C.B. (F)
72(J7)	NC	-	
73(J8)	ADCK	-	
74(J9)	ID	-	
75(J10)	SDI	CH107	MAIN P.C.B. (F)
76(K1)	CCDGND	-	
77(K2)	SHC	C117 (UPPER)	MAIN P.C.B. (F)
78(K3)	FBC	C117 (LOWER)	MAIN P.C.B. (F)
79(K4)	CCDIN	C125 (UPPER)	MAIN P.C.B. (F)
80(K5)	AVSS12	-	
81(K6)	VRT	C120 (LEFT)	MAIN P.C.B. (F)
82(K7)	VRB	C119 (LEFT)	MAIN P.C.B. (F)
83(K8)	AVDD2	-	
84(K9)	CS	CH106	MAIN P.C.B. (F)
85(K10)	VHH	-	

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

S7.2. Check Point of the IC701

CSP IC		Check Point	Remarks
Pin	Name		
1	TEST1	-	
2	NSCS	CH705	MAIN P.C.B. (C)
3	CK37	CH703	MAIN P.C.B. (C)
4	SCK	CH704	MAIN P.C.B. (C)
5	DGND_1	-	
6	VDD18	-	
7	LIN_SIG	-	
8	YM-	-	
9	MGND_1	-	
10	SDI	CH708	MAIN P.C.B. (C)
11	VD60	CH709	MAIN P.C.B. (C)
12	YM+	-	
13	PM-	-	
14	VD30	CH709	MAIN P.C.B. (C)
15	VM_1	-	
16	PM+	-	
17	VSEL	-	
18	HD315	CH706	MAIN P.C.B. (C)
19	NDM+	-	
20	VM_2	-	
21	HD157	CH706	MAIN P.C.B. (C)
22	MGND_2	-	
23	IRM+	-	
24	NPORI	C724 (LOWER)	MAIN P.C.B. (C)
25	IRM-	-	
26	VSHT	-	
27	VDD3	-	
28	ACOMP	-	
29	BCOMP	-	
30	DGND_2	-	
31	TEST2	-	
32	ZA-	-	
33	MGND_3	-	
34	ZA+	-	
35	CKSEL	-	
36	ZB-	-	
37	ZB+	-	
38	LCA-	-	
39	LCA+	-	
40	DAC_LD	CH710	MAIN P.C.B. (C)
41	LCB-	-	
42	VM_3	-	
43	LCB+	-	
44	ND_ER-	-	
45	ND_ERO	-	
46	IR_ER-	C730 (LOWER)	MAIN P.C.B. (C)
47	IR_ERO	C730 (UPPER)	MAIN P.C.B. (C)
48	IR_CNTO	R723 (UPPER)	MAIN P.C.B. (C)
49	IR_CNT+	C727 (UPPER)	MAIN P.C.B. (C)
50	IR_ER+	C726 (UPPER)	MAIN P.C.B. (C)
51	IR_HGR	R722 (LEFT)	MAIN P.C.B. (C)
52	IR_HIN-	-	
53	IR_HR	R729 (LEFT)	MAIN P.C.B. (C)
54	IR_HIN+	C729 (RIGHT)	MAIN P.C.B. (C)
55	IR_IN-	C728 (RIGHT)	MAIN P.C.B. (C)
56	IR_IN+	C734 (UPPER)	MAIN P.C.B. (C)
57	IR_FNO	CH702	MAIN P.C.B. (C)
58	ND_ER+	-	
59	ND_CNTO	R710 (RIGHT)	MAIN P.C.B. (C)
60	ND_CNT+	-	
61	TEST3	-	

Check Point of the IC701

CSP IC		Check Point	Remarks
Pin	Name		
62	ND_HGR	-	
63	ND_HIN-	-	
64	ND_HR	-	
65	ND_HIN+	-	
66	ND_IN+	-	
67	ND_IN-	-	
68	ND_FNO	-	
69	P_HGR	R719 (RIGHT)	MAIN P.C.B. (C)
70	P_HIN-	-	
71	P_HIN+	C720 (RIGHT)	MAIN P.C.B. (C)
72	P_HO-	C720 (LEFT)	MAIN P.C.B. (C)
73	P_HO+	C733 (UPPER)	MAIN P.C.B. (C)
74	P_POS	R718 (LEFT)	MAIN P.C.B. (C)
75	P_HR	-	
76	AGND_1	-	
77	VCC	-	
78	Y_HGR	R717 (LOWER)	MAIN P.C.B. (C)
79	Y_HIN-	-	
80	Y_HIN+	C719 (LEFT)	MAIN P.C.B. (C)
81	Y_HO-	C719 (RIGHT)	MAIN P.C.B. (C)
82	Y_HO+	C732 (UPPER)	MAIN P.C.B. (C)
83	Y_HR	-	
84	Y_POS	R716 (LEFT)	MAIN P.C.B. (C)
85	P_POSIN	C722 (UPPER)	MAIN P.C.B. (C)
86	Y_POSIN	R716 (RIGHT)	MAIN P.C.B. (C)
87	AD_V-	-	
88	AD_V+	-	
89	P_GYAD	C716 (LEFT)	MAIN P.C.B. (C)
90	Y_GYAD	C715 (UPPER)	MAIN P.C.B. (C)
91	AGND_2	-	
92	FIL	C708 (LEFT)	MAIN P.C.B. (C)
93	MREF	-	
94	FI	-	
95	FO	-	
96	MRA	-	
97	MA	-	
98	REFI	-	
99	MRB	-	
100	MB	-	
101	Y_GYIN	C703 (LEFT)	MAIN P.C.B. (C)
102	P_GYREF	R704 (LOWER)	MAIN P.C.B. (C)
103	P_GYIN	C704 (LEFT)	MAIN P.C.B. (C)
104	Y_GYREF	R703 (LOWER)	MAIN P.C.B. (C)
105	P_GYOUT	R714 (LOWER)	MAIN P.C.B. (C)
106	MIXO	-	
107	Y_GYOUT	R715 (LOWER)	MAIN P.C.B. (C)
108	MGND_4	-	
109	AF1-	-	
110	VM_4	-	
111	POIS_PWM	-	
112	AF1+	-	
113	LAF-	-	
114	YOIS_PWM	-	
115	LAF+	-	
116	AF2-	-	
117	LIN_PWM	-	
118	MGND_5	-	
119	AF2+	-	
120	SDO	CH707	MAIN P.C.B. (C)

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

S7.3. Check Point of the IC1001

CSP IC		Check Point	Remarks
Pin	Name		
1	LX3	L1251 (LEFT)	MAIN P.C.B. (C)
2	PGND13	-	
3	LX1	CH1231	MAIN P.C.B. (C)
4	VO2S	R1222 (LEFT)	MAIN P.C.B. (F)
5	VO2	CL1321	MAIN P.C.B. (C)
6	LX22	L1221 (LEFT)	MAIN P.C.B. (F)
7	HX13	C1231 (RIGHT)	MAIN P.C.B. (F)
8	SELDRV	-	
9	SCP	CH1106	MAIN P.C.B. (F)
10	LX21	L1221 (RIGHT)	MAIN P.C.B. (F)
11	PGND2	-	
12	HX4	CL1311	MAIN P.C.B. (F)
13	UDSEL	-	
14	VO7	D1261-K	MAIN P.C.B. (C)
15	VREGA	C1103 (RIGHT)	MAIN P.C.B. (F)
16	STB5	CL1421	MAIN P.C.B. (C)
17	HX2	C1221 (LOWER)	MAIN P.C.B. (F)
18	LX4	L1211 (RIGHT)	MAIN P.C.B. (F)
19	PWM7	CL1461	MAIN P.C.B. (F)
20	STB1234	QR1101-C	MAIN P.C.B. (F)
21	INV3	R1254 (UPPER)	MAIN P.C.B. (F)
22	INV1	R1234 (UPPER)	MAIN P.C.B. (F)
23	VCC	-	
24	PGND4	-	
25	STB6	CL1421	MAIN P.C.B. (C)
26	INV7	R1161 (UPPER)	MAIN P.C.B. (F)
27	VREF5	C1102 (LOWER)	MAIN P.C.B. (F)
28	INV4	R1214 (UPPER)	MAIN P.C.B. (F)
29	RT	R1101 (LOWER)	MAIN P.C.B. (F)
30	LX7	D1261-A	MAIN P.C.B. (C)
31	FLT7	C1161 (UPPER)	MAIN P.C.B. (F)
32	DCG	CL1311	MAIN P.C.B. (F)
33	INV6	R1275 (LOWER)	MAIN P.C.B. (F)
34	INV5	C1292 (LEFT)	MAIN P.C.B. (F)
35	GND	-	
36	PGND567	-	
37	LX6	D1271-A	MAIN P.C.B. (F)
38	LX5	D1291-K	MAIN P.C.B. (F)
39	HX567	C1271 (UPPER)	MAIN P.C.B. (F)
40	HS6L	L1271 (RIGHT)	MAIN P.C.B. (F)
41	LED	D905-K	MONITOR P.C.B. (F)

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

S7.4. Check Point of the IC1503

CSP IC		Check Point	Remarks
Pin	Name		
A1	OUT	Q1502-1	MAIN P.C.B. (C)
A2	ADP	Q1501-8	MAIN P.C.B. (C)
A3	SW	L1501 (LEFT)	MAIN P.C.B. (C)
A4	PGND	-	
A5	LED	QR6006-B	MAIN P.C.B. (C)
A6	DVIN	Q1505-K	MAIN P.C.B. (F)
A7	GND	-	
B1	RUSBLIM	R1516 (LOWER)	MAIN P.C.B. (C)
B2	USB	Q1503-1	MAIN P.C.B. (C)
B4	USB_WK_CNT	D1505-K	MAIN P.C.B. (F)
B5	/DO	-	
B6	CS	R2312 (LEFT)	MAIN P.C.B. (C)
B7	SCK	-	
C1	VADP	Q1501-1	MAIN P.C.B. (C)
C2	ADPSW	Q1501-2	MAIN P.C.B. (C)
C3	PBIAS	C1507 (LOWER)	MAIN P.C.B. (C)
C4	COMPIN	-	
C5	RSTOUT	R1532 (RIGHT)	MAIN P.C.B. (C)
C6	SDI	-	
C7	SDO	R2027 (UPPER)	MAIN P.C.B. (C)
D1	BATSET	R1523 (RIGHT)	MAIN P.C.B. (C)
D2	FULL_SET	R1515 (UPPER)	MAIN P.C.B. (C)
D3	/SWIN1	CL6013	MAIN P.C.B. (F)
D4	TEST	-	
D5	CLKOUT	-	
D6	BAT_DEC	R1507 (UPPER)	MAIN P.C.B. (F)
D7	ISNS	C1518 (RIGHT)	MAIN P.C.B. (C)
E1	VUSB	Q1503-4	MAIN P.C.B. (C)
E2	USBSW	Q1503-3	MAIN P.C.B. (C)
E3	/SWIN2	CH6000	MAIN P.C.B. (C)
E4	/SWIN3	IC1502-14	MAIN P.C.B. (F)
E5	SWIN4	IC2301-4	MAIN P.C.B. (C)
E6	USB_DET	RX3407-6	MAIN P.C.B. (C)
E7	BAT	Q1502-8	MAIN P.C.B. (C)
F1	BIAS	C1508 (LOWER)	MAIN P.C.B. (C)
F2	PWSW	Q1502-4	MAIN P.C.B. (C)
F3	WKUP	CL1101	MAIN P.C.B. (C)
F4	WKUP_RST	IC2301-4	MAIN P.C.B. (C)
F5	CHG_EN	D1505-K	MAIN P.C.B. (F)
F6	USB_EN	D1505-K	MAIN P.C.B. (F)
F7	TDET	VA1504 (LEFT)	MAIN P.C.B. (C)
G1	AGND	-	
G2	VREG25	C1515 (RIGHT)	MAIN P.C.B. (C)
G3	VREG32	D2301-A	MAIN P.C.B. (C)
G4	COINBAT	D2301-K	MAIN P.C.B. (C)
G5	XIN	-	
G6	XOUT	-	
G7	GND	-	

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

S7.5. Check Point of the IC2006

CSP IC		Check Point	Remarks
Pin	Name		
A1	VDD33	-	
A2	VDD33	-	
A3	OCD_SDAADAPT_V	-	
A4	KEYIN5	R6026 (UPPER)	MAIN P.C.B. (F)
A5	KEYIN2	R909 (UPPER)	MONITOR P.C.B.
A6	P16/AN14	-	
A7	HDD_TEMP	-	
A8	P07/AN7	-	
A9	P03/AN3	-	
A10	P00/AN0	-	
A11	PS7	-	
A12	PS4/TM14IO	-	
A13	PS0	-	
A14	PR2/SBOA	-	
A15	EEPROM_DO	CL2009	MAIN P.C.B. (F)
A16	RTC_DO	-	
A17	AFST	-	
A18	PN2/TM22IOA	-	
A19	VDDL	-	
A20	VDDL	-	
B1	VDD33	-	
B2	VDD33	-	
B3	SWNOREG	-	
B4	VREF_BOSS	-	
B5	KEYIN3	R907 (RIGHT)	MONITOR P.C.B.
B6	P20/AN16	-	
B7	P15/AN13	-	
B8	FNO	RX2002-5	MAIN P.C.B. (C)
B9	P05/AN5	-	
B10	P02/AN2	-	
B11	PS5/TM15IO	-	
B12	PS2/TM12IO	-	
B13	EEPROM_CS	CL2008	MAIN P.C.B. (F)
B14	EEPROM_SCK	CL2013	MAIN P.C.B. (F)
B15	RTC_SCK	-	
B16	LENS_DEBAG_SCK	R6033 (UPPER)	MAIN P.C.B. (F)
B17	PN4/TM21IOB	-	
B18	PN1/TM21IOA	-	
B19	VDDL	-	
B20	VDDL	-	
C1	VREFH	-	
C2	P33/AN27	-	
C3	VDD33	-	
C4	SWNOREG	C2008 (UPPER)	MAIN P.C.B. (C)
C5	P26/AN22	-	
C6	KEYIN4	-	
C7	ZSW	-	
C8	LENS_TEMP	R2021 (LEFT)	MAIN P.C.B. (C)
C9	P06/AN6	-	
C10	P04/AN4	-	
C11	PS6	-	
C12	PS3/TM13IO	-	
C13	EEPROM_PROTECT	CL2010	MAIN P.C.B. (F)
C14	PR1/SBIA	-	
C15	EEPROM_DI	CL2011	MAIN P.C.B. (F)
C16	LENS_DEBAG_DO	R6034 (LEFT)	MAIN P.C.B. (F)
C17	CARD_BOOT	CH3410	MAIN P.C.B. (F)
C18	VDDL	-	
C19	AV_PLUG	RX2001-1	MAIN P.C.B. (C)
C20	LCD_RVS_SW	RX2001-3	MAIN P.C.B. (C)

Check Point of the IC2006

CSP IC		Check Point	Remarks
Pin	Name		
D1	P37/AN31	-	
D2	P35/AN29	-	
D3	P34/AN28	-	
D4	VDD33	-	
D5	VSS	-	
D6	KEYIN1	CL6011	MAIN P.C.B. (C)
D7	P14/AN12	-	
D8	MREF	RX2002-7	MAIN P.C.B. (C)
D9	VSS	-	
D10	P01/AN1	-	
D11	VDD33	-	
D12	PS1	-	
D13	PR3/SBTA	-	
D14	VSS	-	
D15	RTC_DI	R2027 (UPPER)	MAIN P.C.B. (C)
D16	RTC_CS	R2312 (LEFT)	MAIN P.C.B. (C)
D17	VDDL	-	
D18	PM6/SY1OT2	-	
D19	PM5/SY1OT1	-	
D20	PM3/SY0OT3	-	
E1	P40/ADTRG	-	
E2	P41/WDOVF	-	
E3	P36/AN30	-	
E4	VSS	-	
E5	VSS	-	
E17	PM2/SY0OT2	-	
E18	PM4/SY1OT0	-	
E19	DDR_COMP_CAL	RX3407-4	MAIN P.C.B. (C)
E20	CAM_UPDATE	RX2006-3	MAIN P.C.B. (C)
F1	P52/TM25IOA	-	
F2	MITSUNI_IC_RESET	-	
F3	XRST	RX2005-3	MAIN P.C.B. (C)
F4	VSS	-	
F17	VSS	-	
F18	HDD_UNLOAD_H	-	
F19	UNI_UPDATE	RX2006-1	MAIN P.C.B. (C)
F20	HOST_REQ	CH2015	MAIN P.C.B. (C)
G1	P55/TM25IOB	-	
G2	LENS_DRV_RST	CH701	MAIN P.C.B. (C)
G3	POWER_SRC_CNT_SDA	-	
G4	CG_RST	RX2005-1	MAIN P.C.B. (C)
G17	VDD18	-	
G18	CAM_WAKEUP	-	
G19	PL3/TM3IO	-	
G20	G_SENSOR_SCL	R3302 (LEFT)	MAIN P.C.B. (C)
H1	CTL6_ON_H	-	
H2	POWER_SRC_CNT_SCK	-	
H3	CCD_ON_H	CL1372	MAIN P.C.B. (F)
H4	VDD18	-	
H17	HDD_SEL2	-	
H18	HOST_RQ2	-	
H19	G_SENSOR_SCA	R3301 (UPPER)	MAIN P.C.B. (C)
H20	HDD_SEL1	-	
J1	LON	-	
J2	P62/ICR2	-	
J3	HDD_PWR_ON_H	-	
J4	P76/NMI	-	
J17	VDD18	-	
J18	HDD_SEL0	-	
J19	MODEL_SEL_2	R6024 (LEFT)	MAIN P.C.B. (C)

Check Point of the IC2006

CSP IC		Check Point	Remarks
Pin	Name		
J20	TEST_MODE	-	
K1	OSC_IN	-	
K2	VSS	-	
K3	MMOD	RX2001-5	MAIN P.C.B. (C)
K4	VOUT1	C2004 (LEFT)	MAIN P.C.B. (C)
K17	VSS	-	
K18	MODEL_SEL_1	R6023 (LEFT)	MAIN P.C.B. (C)
K19	NTSL/PAL	-	
K20	USB_ROSEL	R6022 (LEFT)	MAIN P.C.B. (C)
L1	OSC_OUT	-	
L2	NRST	C2016 (LOWER)	MAIN P.C.B. (C)
L3	P65/ICR5	-	
L4	VOUT2	C2004 (LEFT)	MAIN P.C.B. (C)
L17	MAD6	-	
L18	MAD7	-	
L19	MAD14	-	
L20	MAD15	-	
M1	LIGHT_ON_H	R6405 (UPPER)	MAIN P.C.B. (F)
M2	P66/ICR6	-	
M3	P67/ICR7	-	
M4	VDD18	-	
M17	MAD4	-	
M18	MAD5	-	
M19	MAD12	-	
M20	MAD13	-	
N1	FENC	R755 (LOWER)	MAIN P.C.B. (C)
N2	LENS_LED	QR701-B	MAIN P.C.B. (F)
N3	SENS_SW	-	
N4	ZENC	R756 (LOWER)	MAIN P.C.B. (C)
N17	MAD2	-	
N18	MAD3	-	
N19	MAD10	-	
N20	MAD11	-	
P1	SENS_SW2	-	
P2	EXTRG1	-	
P3	OCD_SDA	RX2002-1	MAIN P.C.B. (C)
P4	EXTRG0	-	
P17	MAD0	-	
P18	MAD1	-	
P19	MAD8	-	
P20	MAD9	-	
R1	VPP	RX2001-7	MAIN P.C.B. (C)
R2	TRCCLK	-	
R3	TRCD0	-	
R4	VSS	-	
R17	VSS	-	
R18	PH6/RWSEL	-	
R19	ALE	RL2005	MAIN P.C.B. (F)
R20	PH3/SYSCLK	-	
T1	TRCST	-	
T2	TRCD1	-	
T3	TRCD3	-	
T4	TRCD2	-	
T17	PG4/NCS4	-	
T18	WE_H	-	
T19	RE	RL2003	MAIN P.C.B. (F)
T20	XWAIT	RL2004	MAIN P.C.B. (F)
U1	OCD_SCL	RX2002-3	MAIN P.C.B. (C)
U2	DISK_ACCESS_INFO	-	
U3	POWER_LED	-	

Check Point of the IC2006

CSP IC		Check Point	Remarks
Pin	Name		
U4	VDD33	-	
U5	STANDBY_LED	QR6002-B	MAIN P.C.B. (C)
U6	KAO_REQ	-	
U7	VSS	-	
U8	PA6/A22	-	
U9	VSS	-	
U10	CAM_VD	CH101	MAIN P.C.B. (F)
U11	VDD33	-	
U12	BATT_TXD	Q1504-S	MAIN P.C.B. (F)
U13	VSS	-	
U14	LENS_DRV_CS	CH705	MAIN P.C.B. (C)
U15	PE3/NBG	-	
U16	PF1/IRQ7	-	
U17	VDDB	-	
U18	PG2/NCS2	-	
U19	UP_CS	RL2001	MAIN P.C.B. (F)
U20	WE_L	RL2002	MAIN P.C.B. (F)
V1	P81/PWM1	-	
V2	CARD_ACCESS_LED	QR6005-B	MAIN P.C.B. (C)
V3	VDD33	-	
V4	CG_CS	CH106	MAIN P.C.B. (F)
V5	P94/SBO1	-	
V6	CTL7_ON_H	CL1361	MAIN P.C.B. (C)
V7	PA4/A20	-	
V8	S_NOTICE_RESET	QR1503-B	MAIN P.C.B. (F)
V9	UART_DI	CL6008	MAIN P.C.B. (F)
V10	PC1/D1/SBO3	-	
V11	S_NOTICE_DO	R2015 (RIGHT)	MAIN P.C.B. (C)
V12	LENS_DRV_DI	CH707	MAIN P.C.B. (C)
V13	LENS_DRV_SCK	CH704	MAIN P.C.B. (C)
V14	PE1/TM11IO	-	
V15	PE5	-	
V16	PF3/IRQ9	-	
V17	PF5/TM0IO	-	
V18	VDDB	-	
V19	NTSC_PAL	-	
V20	PG0/NCS0	-	
W1	VDD33	-	
W2	VDD33	-	
W3	CGAFE_SCK	CH108	MAIN P.C.B. (F)
W4	CGAFE_DO	CH107	MAIN P.C.B. (F)
W5	P95/SBT1	-	
W6	LCD_ON_H	CL1472	MAIN P.C.B. (C)
W7	PA3/A19	-	
W8	PA7/A23	-	
W9	UART_DO	CL6007	MAIN P.C.B. (F)
W10	PC0/D0/SBI3	-	
W11	S_NOTICE_SCK	IC1502-17	MAIN P.C.B. (F)
W12	PD0/D8/SBT5	-	
W13	INT_FRP	-	
W14	LENS_DRV_EVR_LD	CH710	MAIN P.C.B. (C)
W15	PE2/NBR	-	
W16	PF0/IRQ6	-	
W17	CAM_IRQ	RX2005-7	MAIN P.C.B. (C)
W18	PF7/TM2IO	-	
W19	VDDB	-	
W20	VDDB	-	
Y1	VDD33	-	
Y2	VDD33	-	
Y3	DISK_ACCESS_LED	QR6001-B	MAIN P.C.B. (C)

Check Point of the IC2006

CSP IC		Check Point	Remarks
Pin	Name		
Y4	P93/SBI1	-	
Y5	BE_REQ	RX2006-5	MAIN P.C.B. (C)
Y6	PA2/A18	-	
Y7	PA5/A21	-	
Y8	S_NOTICE_CS	IC1502-23	MAIN P.C.B. (F)
Y9	PB4/SBT2	-	
Y10	PC2/D2/SBT3	-	
Y11	S_NOTICE_DI	IC1502-16	MAIN P.C.B. (F)
Y12	BATT_RXD	Q1504-S	MAIN P.C.B. (F)
Y13	LENS_DRV_DO	CH708	MAIN P.C.B. (C)
Y14	POWER_LED_B	-	
Y15	PE0/TM10IO	-	
Y16	PE4	-	
Y17	PF2/IRQ8	-	
Y18	PF6/TM1IO	-	
Y19	VDDB	-	
Y20	VDDB	-	

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

S7.6. Check Point of the IC3301

CSP IC		Check Point	Remarks
Pin	Name		
1	IO_VDD	-	
2	NC	-	
3	AUX_IN	-	
4	GND	-	
5	VDD	-	
6	/CS	-	
7	MOT	-	
8	ADDR/SDI	-	
9	SCL/SCK	R3302 (LEFT)	MAIN P.C.B. (C)
10	SDA/SDO	R3301 (UPPER)	MAIN P.C.B. (C)

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

S7.7. Check Point of the IC3401

CSP IC		Check Point	Remarks
Pin	Name		
A1	NC	-	
A2	NC	-	
A3	DDR_VDD2	-	
A4	DDR_VDD1	-	
A5	YOUT	R3408 (RIGHT)	MAIN P.C.B. (F)
A6	YCCOMP	C3430 (RIGHT)	MAIN P.C.B. (F)
A7	SDHDSEL	-	
A8	FPEN	-	
A9	AIDAT	IC3701-1	MAIN P.C.B. (C)
A10	AODAT1	R3435 (RIGHT)	MAIN P.C.B. (F)
A11	VSS	-	
A12	XO_CAM	R3421 (LEFT)	MAIN P.C.B. (C)
A13	XI_CAM	C3433 (LEFT)	MAIN P.C.B. (C)
A14	REFYC5	-	
A15	S_DATA6	-	
A16	S_DATA3	-	
A17	VCLKI_CAM	-	
A18	YI1_CAM0	-	
A19	YI1_CAM7	-	
A20	CI1_CAM2	-	
A21	YI1_CAM3	-	
A22	YI1_CAM2	-	
A23	TCPOUT3	-	
A24	DDR_VSSDQ	-	
A25	NC	-	
A26	NC	-	
AA1	KINT0/KP0	-	
AA2	SI1/P72	-	
AA3	P67/INT4	IC3701-36	MAIN P.C.B. (C)
AA4	XWEH	-	
AA5	XWEL	RL2002	MAIN P.C.B. (F)
AA22	EA10	-	
AA23	EA14	-	
AA24	ED13	-	
AA25	ED12	-	
AA26	EA4	-	
AB1	AVSS_PLL12	-	
AB2	AVDD_PLL12	-	
AB3	TCPOUT2	-	
AB4	VSS	-	
AB5	VSS	-	
AB6	KINT3/KP3	-	
AB7	KINT4/KP4	-	
AB8	ADM4	-	
AB9	P81/SFRM1	IC3701-3	MAIN P.C.B. (C)
AB10	VDDIO_AM2	-	
AB11	VDDIO_AM2	-	
AB12	TMS	-	
AB13	TRACESYNC	-	
AB14	TRACEPKT5	-	
AB15	TRACEPKT1	-	
AB16	TRACEPKT6	-	
AB17	VDDIO_AM1	-	
AB18	VDDIO_AM1	-	
AB19	XNFCE	-	
AB20	NANDRYBY	-	
AB21	EA5	-	
AB22	VSS	-	
AB23	ED5	-	
AB24	ED10	-	

Check Point of the IC3401

CSP IC		Check Point	Remarks
Pin	Name		
AB25	ED9	-	
AB26	DDR_VDD1	-	
AC1	DDR_VDD2	-	
AC2	DDR_VDD2	-	
AC3	DDR_VSSDQ	-	
AC4	VSS	-	
AC5	P74/INT6	-	
AC6	CAMIFIRQ	RX2005-7	MAIN P.C.B. (C)
AC7	MODE0	-	
AC8	ADM9	-	
AC9	XCS	RL2001	MAIN P.C.B. (F)
AC10	XRE	RL2003	MAIN P.C.B. (F)
AC11	SCS4/PA0	-	
AC12	TRACEPKT3	-	
AC13	TRACEPKT7	-	
AC14	SCK3/P91	-	
AC15	EXTRGO	-	
AC16	XNFWE	-	
AC17	VDDIO_AM1	-	
AC18	NFALE	-	
AC19	ED6	-	
AC20	XEWE1	-	
AC21	EA3	-	
AC22	XAVD	-	
AC23	VSS	-	
AC24	ED11	-	
AC25	DDR_VDDDQ	-	
AC26	DDR_VDDDQ	-	
AD1	DDR_VDD1	-	
AD2	DDR_VDDDQ	-	
AD3	VSS	-	
AD4	XAVALE	RL2005	MAIN P.C.B. (F)
AD5	ADM5	-	
AD6	ADM3	-	
AD7	ADM0	-	
AD8	ADM13	-	
AD9	SCS3/P90	-	
AD10	SCK5/PB1	-	
AD11	SI4/PA3	-	
AD12	TRACECLK	-	
AD13	TRACEPKT0	-	
AD14	TRACEPKT2	-	
AD15	P55/PWM0	-	
AD16	SI2/RXD0	RX3405-7	MAIN P.C.B. (F)
AD17	NFCLE	-	
AD18	P83	-	
AD19	ED4	-	
AD20	ED7	-	
AD21	XECS4	-	
AD22	ED0	-	
AD23	DDR_VDD2	-	
AD24	VSS	-	
AD25	DDR_VDD2	-	
AD26	DDR_VDD2	-	
AE1	NC	-	
AE2	NC	-	
AE3	DDR_VDDDQ	-	
AE4	DDR_VSSDQ	-	
AE5	ADM15	-	
AE6	ADM7	-	

Check Point of the IC3401

CSP IC		Check Point	Remarks
Pin	Name		
AE7	ADM8	-	
AE8	TESTCK0	-	
AE9	ADM2	-	
AE10	SCK4/PA1	-	
AE11	P00/ADC0	-	
AE12	AVSS_AM	-	
AE13	AVDD_AM	-	
AE14	TCK	-	
AE14	TRACEPKT4	-	
AE15	SO5/PB2	-	
AE16	TDO	-	
AE17	SO2/TXD0	RX3405-5	MAIN P.C.B. (F)
AE18	XNFRE	-	
AE19	XEWE0	-	
AE20	ERXW	-	
AE21	ED1	-	
AE22	ED8	-	
AE23	DDR_VDD2	-	
AE24	DDR_VSSDQ	-	
AE25	NC	-	
AE26	NC	-	
AF1	NC	-	
AF2	NC	-	
AF3	DDR_VDDDQ	-	
AF4	DDR_VSSDQ	-	
AF5	ADM14	-	
AF6	TESTCK1	-	
AF7	ADM6	-	
AF8	CLKSEL0	-	
AF9	CLKSEL1	-	
AF10	SCS5/PB0	-	
AF11	P03/ADC3	-	
AF12	P02/ADC2	-	
AF13	P01/ADC1	RX3407-2	MAIN P.C.B. (C)
AF15	P54/ICR	RX3407-4	MAIN P.C.B. (C)
AF16	SO3/P92	-	
AF17	SCK2/P50	IC1301-1	MAIN P.C.B. (F)
AF18	P53/SY	RX2006-5	MAIN P.C.B. (C)
AF19	XERE	-	
AF20	XECS2	-	
AF21	DDR_VDDDQ	-	
AF22	ED2	-	
AF23	DDR_VDD1	-	
AF24	DDR_VSSDQ	-	
AF25	NC	-	
AF26	NC	-	
B1	NC	-	
B2	NC	-	
B3	DDR_VDD2	-	
B4	DDR_VSSDQ	-	
B5	C2OUT	-	
B6	VREF	C3431 (RIGHT)	MAIN P.C.B. (F)
B7	AVDD_DAC	-	
B8	ILATCH2	-	
B9	ABCK1	IC3701-39	MAIN P.C.B. (C)
B10	SCL	-	
B11	ALRCK1	IC3701-38	MAIN P.C.B. (C)
B12	REFYC8	-	
B13	REFYC7	-	
B14	REFYC0	-	

Check Point of the IC3401

CSP IC		Check Point	Remarks
Pin	Name		
B15	REFCK	-	
B16	REFYC4	-	
B17	YI2_CAM6	-	
B18	CI1_CAM0	-	
B19	CI1_CAM3	-	
B20	CI1_CAM6	CH101	MAIN P.C.B. (F)
B21	CI1_CAM7	CH102	MAIN P.C.B. (F)
B22	YI1_CAM4	-	
B23	AVDD_PLL13	-	
B24	DDR_VSSDQ	-	
B25	NC	-	
B26	NC	-	
C1	VSS	-	
C2	VSS	-	
C3	VSS	-	
C4	DDR_VSSDQ	-	
C5	C1OUT	R3411 (RIGHT)	MAIN P.C.B. (F)
C6	YCIREF	R3417 (RIGHT)	MAIN P.C.B. (F)
C7	AVDD_DAC	-	
C8	AVSS_DAC	-	
C9	NPSEL	-	
C10	SDA	-	
C11	AMCK	IC3701-37	MAIN P.C.B. (C)
C12	REFYC6	-	
C13	S_DATA4	-	
C14	S_DATA5	-	
C15	S_DATA7	-	
C16	S_DATA2	CH706	MAIN P.C.B. (C)
C17	YI2_CAM2	-	
C18	YI2_CAM4	-	
C19	CI1_CAM1	-	
C20	YI1_CAM1	-	
C21	YI1_CAM6	-	
C22	DDR_VSSDQ	-	
C23	AVSS_PLL13	-	
C24	VSS	-	
C25	DDR_VDDDQ	-	
C26	DDR_VDD2	-	
D1	VDDIO_HDMI	-	
D2	VDDIO_HDMI	-	
D3	CO_HDMI0	-	
D4	VSS	-	
D5	TCPOUT0	-	
D6	AVDD_PLL9_10	-	
D7	AVDD_DAC	-	
D8	AVSS_DAC	-	
D9	ABCK0	RX3404-4	MAIN P.C.B. (F)
D10	AODAT0	IC3701-2	MAIN P.C.B. (C)
D11	ALRCK0	RX3404-2	MAIN P.C.B. (F)
D12	VDDIO_CAM3	-	
D13	REFYC3	-	
D14	REFYC1	-	
D15	S_DATA0	CH703	MAIN P.C.B. (C)
D16	S_DATA1	CH709	MAIN P.C.B. (C)
D17	YI2_CAM3	-	
D18	YI2_CAM5	-	
D19	CI1_CAM4	-	
D20	YI1_CAM5	-	
D21	DDR_VSSDQ	-	
D22	DDR_VDDDQ	-	

Check Point of the IC3401

CSP IC		Check Point	Remarks
Pin	Name		
D23	VSS	-	
D24	DDR_VDDDQ	-	
D25	DDR_VDDDQ	-	
D26	DDR_VDD1	-	
E1	CLK27O_HDMI	-	
E2	CO_HDMI5	-	
E3	CO_HDMI1	-	
E4	CO_HDMI2	-	
E5	VSS	-	
E6	AVDD_PLL7_8	-	
E7	AVSS_PLL4_6	-	
E8	AVDD_PLL4_6	-	
E9	VDDIO_CAM1	-	
E10	ILATCH1	-	
E11	REFYC9	-	
E12	VDDIO_CAM3	-	
E13	S_WAIT	-	
E14	REFYC2	-	
E15	YI2_CAM7	-	
E16	VDDIO_CAM2	-	
E17	YI2_CAM1	-	
E18	YI2_CAM0	-	
E19	CI1_CAM5	CH105	MAIN P.C.B. (F)
E20	DDR_VSSDQ	-	
E21	DDR_VDDDQ	-	
E22	VSS	-	
E23	VSS	-	
E24	VDD_USB	-	
E25	VDD_USB	-	
E26	VDD_USB	-	
F1	YO_HDMI3	-	
F2	YO_HDMI4	-	
F3	CO_HDMI3	-	
F4	CO_HDMI4	-	
F5	DOBCK_HDMI	-	
F6	VSS	-	
F22	VSS	-	
F23	VSS	-	
F24	AVSS_USB	-	
F25	AVSS_USB	-	
F26	DN	FL6001-4	MAIN P.C.B. (C)
G1	YO_HDMI0	-	
G2	CO_HDMI6	-	
G3	YO_HDMI7	-	
G4	YO_HDMI6	-	
G5	DOLRCK_HDMI	-	
G7	VSS	-	
G8	AVSS_PLL9_10	-	
G9	AVSS_PLL7_8	-	
G10	DDR_VDDDQ	-	
G11	VDD	-	
G12	VSS	-	
G13	VSS	-	
G14	VSS	-	
G15	VSS	-	
G16	DDR1_VREFDQ	-	
G17	DDR1_DIOVREFDQ	-	
G18	DDR_VSSDQ	-	
G19	DDR_VDDDQ	-	
G20	VSS	-	

Check Point of the IC3401

CSP IC		Check Point	Remarks
Pin	Name		
G22	AVSS_USB3	-	
G23	AVDD_USB3	-	
G24	RREFEXT	R3415 (UPPER)	MAIN P.C.B. (F)
G25	GPANAIO	R3416 (LEFT)	MAIN P.C.B. (F)
G26	DP	FL6001-3	MAIN P.C.B. (C)
H1	VSYNC_HDMI	-	
H2	YO_HDMI5	-	
H3	CO_HDMI7	-	
H4	YO_HDMI1	-	
H5	SDA_HDMI	-	
H7	SCL_HDMI	-	
H8	VSS	-	
H9	DDR_VDDDQ	-	
H10	DDR_VDDDQ	-	
H11	VDD	-	
H12	VSS	-	
H13	VSS	-	
H14	VSS	-	
H15	VSS	-	
H16	DDR1_DIOZQD	-	
H17	DDR_VSSDQ	-	
H18	DDR_VDDDQ	-	
H19	VSS	-	
H20	VSS	-	
H22	SDDATA_3	RX3404-7	MAIN P.C.B. (F)
H23	SDDATA_2	RX3404-5	MAIN P.C.B. (F)
H24	AVDD_USB	-	
H25	AVDD_USB	-	
H26	AVDD_USB	-	
J1	VCLKO_HDMI	-	
J2	HSYNC_HDMI	-	
J3	YCO_EVF7	-	
J4	YCO_EVF6	-	
J5	YO_HDMI2	-	
J7	SPDO_HDMI	-	
J8	DODAT_HDMI	-	
J9	VSS	-	
J10	DDR_VSSDQ	-	
J11	VDD	-	
J12	VSS	-	
J13	VSS	-	
J14	VSS	-	
J15	VSS	-	
J16	VDD	-	
J17	DDR_VDDDQ	-	
J18	VSS	-	
J19	SBD6	-	
J20	VSS	-	
J22	VDDIO_UHS1A	-	
J23	SDCLK	R3414 (RIGHT)	MAIN P.C.B. (F)
J24	SDDATA_1	RX3404-1	MAIN P.C.B. (F)
J25	SDCMD	R3413 (RIGHT)	MAIN P.C.B. (F)
J26	SDDATA_0	RX3404-3	MAIN P.C.B. (F)
K1	VCLKO_EVF	-	
K2	VDDIO_EVF	-	
K3	YCO_EVF5	-	
K4	YCO_EVF3	-	
K5	YCO_EVF2	-	
K7	TCPOUT1	-	
K8	AMCK_HDMI	-	

Check Point of the IC3401

CSP IC		Check Point	Remarks
Pin	Name		
K9	VSS	-	
K10	DDR_VSSDQ	-	
K11	VDD	-	
K12	VSS	-	
K13	VSS	-	
K14	VSS	-	
K15	VSS	-	
K16	VDD	-	
K17	VSS	-	
K18	XSOF	-	
K19	SBD7	-	
K20	SDDATA1_3	RX3451-1	MAIN P.C.B. (F)
K22	SDDATA1_2	RX3451-3	MAIN P.C.B. (F)
K23	SDDATA1_1	RX3451-5	MAIN P.C.B. (F)
K24	SDDATA1_0	RX3451-7	MAIN P.C.B. (F)
K25	SDCMD1	R3452 (LEFT)	MAIN P.C.B. (F)
K26	SDCLK1	R3451 (LOWER)	MAIN P.C.B. (F)
L1	VSS	-	
L2	D0N_LCD	-	
L3	VSS	-	
L4	YCO_EVF1	-	
L5	YCO_EVF4	-	
L7	AVSS_PLL3_5	-	
L8	AVDD_PLL11	-	
L9	VSS	-	
L10	DDR_VSSDQ	-	
L11	VDD	-	
L12	VSS	-	
L13	VSS	-	
L14	VSS	-	
L15	VSS	-	
L16	VDD	-	
L17	SBD3	-	
L18	SBD2	-	
L19	SBD4	-	
L20	SBD1	-	
L22	VDDIO_UHS1B	-	
L23	SDCMD2	-	
L24	SBD5	-	
L25	SDDATA2_3	-	
L26	SDDATA2_1	-	
M1	CLKP_LCD	-	
M2	D0P_LCD	-	
M3	VSS	-	
M4	YCO_EVF0	-	
M5	RST_EVF	-	
M7	AVDD_PLL1_2	-	
M8	AVSS_PLL11	-	
M9	VSS	-	
M10	DDR_VSSDQ	-	
M11	VDD	-	
M12	VDD	-	
M13	VDD	-	
M14	VDD	-	
M15	VDD	-	
M16	VDD	-	
M17	CARD_DET	R3404 (RIGHT)	MAIN P.C.B. (C)
M18	PROTECT	R3403 (RIGHT)	MAIN P.C.B. (C)
M19	CARD_DET2		
M20	SDDATA2_2	-	

Check Point of the IC3401

CSP IC		Check Point	Remarks
Pin	Name		
M22	VDDIO_UHS1C	-	
M23	SBD0	-	
M24	SDDATA2_0	-	
M25	VDDIO_UHS1C	-	
M26	SDCLK2	-	
N1	CLKN_LCD	-	
N2	AVDD_LVDS	-	
N3	D1N_LCD	-	
N4	VSS	-	
N5	DDR_VSSDQ	-	
N7	AVSS_PLL1_2	-	
N8	AVDD_PLL3_5	-	
N9	VSS	-	
N10	DDR_VSSDQ	-	
N11	VDD	-	
N12	VDD	-	
N13	VDD	-	
N14	VDD	-	
N15	VDD	-	
N16	VDD	-	
N17	CARD_DET1	-	
N18	PROTECT1	-	
N19	ATADD10	RX3483-4	MAIN P.C.B. (F)
N20	XATACS3	R3486 (UPPER)	MAIN P.C.B. (F)
N22	CEC	-	
N23	XATARD	R3487 (UPPER)	MAIN P.C.B. (F)
N24	ATADD12	RX3484-8	MAIN P.C.B. (F)
N25	XATAWR	R3488 (UPPER)	MAIN P.C.B. (F)
N26	OSCI	C3429 (LOWER)	MAIN P.C.B. (F)
P1	VSS	-	
P2	D2N_LCD	-	
P3	D1P_LCD	-	
P4	VSS	-	
P5	DDR_VSSDQ	-	
P7	DDR_VSSDQ	-	
P8	DDR_VSSDQ	-	
P9	DDR_VSSDQ	-	
P10	DDR_VSSDQ	-	
P11	VDD	-	
P12	VDD	-	
P13	VDD	-	
P14	VDD	-	
P15	VDD	-	
P16	DDR0_VREFCA	C3439 (LEFT)	MAIN P.C.B. (C)
P17	P82/SRRM2	-	
P18	XATADMACK	R3489 (LEFT)	MAIN P.C.B. (F)
P19	PROTECT2		
P20	VSS	-	
P22	VDDIO_ATA	-	
P23	VDDIO_ATA	-	
P24	USBCLK	-	
P25	ATADD0	RX3481-8	MAIN P.C.B. (F)
P26	OSCO	R3418 (LOWER)	MAIN P.C.B. (F)
R1	VDD	-	
R2	D2P_LCD	-	
R3	VSS	-	
R4	VSS	-	
R5	DDR_VSSDQ	-	
R7	DDR_VDDDQ	-	
R8	DDR_VDDDQ	-	

Check Point of the IC3401

CSP IC		Check Point	Remarks
Pin	Name		
R9	DDR_VDDDQ	-	
R10	DDR_VDDDQ	-	
R11	VDD	-	
R12	VDD	-	
R13	VDD	-	
R14	VDD	-	
R15	VDD	-	
R16	DDR0_ZQ	R3432 (UPPER)	MAIN P.C.B. (C)
R17	P64/INT1	RX3406-6	MAIN P.C.B. (F)
R18	P65/INT2	-	
R19	ATADMARQ	R3491 (LEFT)	MAIN P.C.B. (F)
R20	ATADD4	RX3482-8	MAIN P.C.B. (F)
R22	VDDIO_ATA	-	
R23	ATADA0	R3482 (LEFT)	MAIN P.C.B. (F)
R24	XATARESET	R3481 (UPPER)	MAIN P.C.B. (F)
R25	XATACS1	R3485 (UPPER)	MAIN P.C.B. (F)
R26	ATADD9	RX3483-6	MAIN P.C.B. (F)
T1	DDR_VDDDQ	-	
T2	DDR_VDDDQ	-	
T3	DDR_VDDDQ	-	
T4	VSS	-	
T5	VDDIO_LCD_1	-	
T7	DDR0_VREFDQ	C3437 (RIGHT)	MAIN P.C.B. (C)
T8	DDR0_DIOVREFDQ	C3440 (LEFT)	MAIN P.C.B. (C)
T9	P73/INT5	-	
T10	ADM1	-	
T11	VDD	-	
T12	VDD	-	
T13	DDR0_DIOZQD	R3433 (UPPER)	MAIN P.C.B. (C)
T14	DDR1_VREFCA	-	
T15	DDR1_ZQ	-	
T16	VDD	-	
T17	EA2	-	
T18	P63/INT0	CH2015	MAIN P.C.B. (C)
T19	ATADD1	RX3481-6	MAIN P.C.B. (F)
T20	ATADD14	RX3484-4	MAIN P.C.B. (F)
T22	ATADA1	R3483 (LEFT)	MAIN P.C.B. (F)
T23	ATAINTRQ	R3490 (UPPER)	MAIN P.C.B. (F)
T24	ATADA2	R3484 (UPPER)	MAIN P.C.B. (F)
T25	ATADD2	RX3481-4	MAIN P.C.B. (F)
T26	ATAIORDY	R3492 (UPPER)	MAIN P.C.B. (F)
U1	RST_LCD	-	
U2	V_LCD	-	
U3	H_LCD	-	
U4	YCO_LCD4	IC601-18	MAIN P.C.B. (F)
U5	BL_PWM_LCD	CL1461	MAIN P.C.B. (F)
U7	SCK1/P70	IC3701-4	MAIN P.C.B. (C)
U8	XWAIT	RL2004	MAIN P.C.B. (F)
U9	TESTSEL	-	
U10	TDI	-	
U11	XRSTOUT	RX3404-8	MAIN P.C.B. (F)
U12	KINT5/KP5	-	
U13	EA1	-	
U14	XTRST	-	
U15	EA0	-	
U16	VDD	-	
U17	VSS	-	
U18	VSS	-	
U19	VDDIO_AM1	-	
U20	VDDIO_ATA	-	

Check Point of the IC3401

CSP IC		Check Point	Remarks
Pin	Name		
U22	ATADD5	RX3482-6	MAIN P.C.B. (F)
U23	ATADD6	RX3482-4	MAIN P.C.B. (F)
U24	ATADD13	RX3484-6	MAIN P.C.B. (F)
U25	ATADD11	RX3483-2	MAIN P.C.B. (F)
U26	ATADD15	RX3484-2	MAIN P.C.B. (F)
V1	VCLKO_LCD	IC601-11	MAIN P.C.B. (F)
V2	YCO_LCD6	IC601-15	MAIN P.C.B. (F)
V3	YCO_LCD1	IC601-21	MAIN P.C.B. (F)
V4	YCO_LCD0	IC601-22	MAIN P.C.B. (F)
V5	KINT2/KP2	-	
V7	ADM11	-	
V8	ADM10	-	
V9	VSS	-	
V10	VSS	-	
V11	RXD2	RX3405-3	MAIN P.C.B. (F)
V12	XRST	C3438 (LEFT)	MAIN P.C.B. (C)
V13	TXD2	RX3405-1	MAIN P.C.B. (F)
V14	P84	RX3406-1	MAIN P.C.B. (F)
V15	ED15	-	
V16	ED3	-	
V17	EA8	-	
V18	VSS	-	
V19	VDDIO_AM1	-	
V20	VDDIO_AM1	-	
V22	ED14	-	
V23	ATADD7	RX3482-2	MAIN P.C.B. (F)
V24	ATADD3	RX3481-2	MAIN P.C.B. (F)
V25	ATATX	-	
V26	ATADD8	RX3483-8	MAIN P.C.B. (F)
W1	DATA_EN_LCD	-	
W2	YCO_LCD5	IC601-16	MAIN P.C.B. (F)
W3	YCO_LCD7	IC601-14	MAIN P.C.B. (F)
W4	PA6	-	
W5	MODE1	-	
W7	KINT1/KP1	-	
W8	VSS	-	
W9	PA4	-	
W10	VSS	-	
W11	KINT6/KP6	-	
W12	KINT7/KP7	-	
W13	XEDK	-	
W14	XNFWP	-	
W15	SDBOOT	CH3410	MAIN P.C.B. (F)
W16	SI3/P93	-	
W17	XECS0	-	
W18	P66/INT3	QR3402-C	MAIN P.C.B. (F)
W19	VSS	-	
W20	VSS	-	
W22	EA11	-	
W23	EA24	-	
W24	ECLK	-	
W25	EA25	-	
W26	EA6	-	
Y1	YCO_LCD2	IC601-20	MAIN P.C.B. (F)
Y2	YCO_LCD3	IC601-19	MAIN P.C.B. (F)
Y3	SO1/P71	IC3701-5	MAIN P.C.B. (C)
Y4	PA5	-	
Y5	ADM12	-	
Y7	VSS	-	
Y8	P75/INT7	-	

Check Point of the IC3401

CSP IC		Check Point	Remarks
Pin	Name		
Y9	MODE2	-	
Y10	VSS	-	
Y11	SO4/PA2	-	
Y12	SI5/PB3	-	
Y13	VDDIO_AM1	-	
Y14	VSS	-	
Y15	P56/PWM1	RX2006-3	MAIN P.C.B. (C)
Y16	BOOTSWAP	-	
Y17	XECS3	-	
Y18	XECS1	-	
Y19	VDDIO_AM1	-	
Y20	VSS	-	
Y22	EA12	-	
Y23	EA13	-	
Y24	EA7	-	
Y25	EA15	-	
Y26	EA9	-	

(C): COMPONENT SIDE (F): FOIL SIDE 1

S7.8. Check Point of the IC3402

CSP IC		Check Point	Remarks
Pin	Name		
1	NC	-	
2	NC	-	
3	NC	-	
4	NC	-	
5	NC	-	
6	NC	-	
7	RDY	-	
8	INT	RX3406-6	MAIN P.C.B. (F)
9	A14	-	
10	CLK	-	
11	DQ15	-	
12	DQ7	-	
13	DQ12	-	
14	WEB	-	
15	NC	-	
16	NC	-	
17	RPB	C3436 (LOWER)	MAIN P.C.B. (C)
18	DQ8	-	
19	DQ4	-	
20	A12	-	
21	CEB	-	
22	A13	-	
23	A0	-	
24	A4	-	
25	NC	-	
26	A5	-	
27	A1	-	
28	AVDB	-	
29	DQ2	-	
30	DQ0	-	
31	DQ11	-	
32	DQ1	-	
33	DQ14	-	
34	VSS	-	
35	OEB	-	
36	DQ10	-	
37	A15	-	
38	NC	-	
39	A7	-	
40	NC	-	
41	A2	-	
42	NC	-	
43	A3	-	
44	A10	-	
45	A11	-	
46	NC	-	
47	DQ5	-	
48	DQ3	-	
49	DQ9	-	
50	VSS	-	
51	NC	-	
52	NC	-	
53	DQ13	-	
54	VCCCORE	-	
55	VCCIO	-	
56	DQ6	-	
57	A9	-	
58	A8	-	
59	A6	-	
60	NC	-	

Check Point of the IC3402

CSP IC		Check Point	Remarks
Pin	Name		
61	NC	-	
62	NC	-	
63	NC	-	
64	NC	-	
65	NC	-	
66	NC	-	
67	NC	-	

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

S8. Replacement 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 ⚠ 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 MICRO-FARADS (uf), P=uuF.

4. 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.

E.S.D. standards for Electrostatically Sensitive Devices, refer to "PREVENTION OF ELECTROSTATIC DISCHARGE (ESD) TO ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
##	VEP03J05AP-S	MAIN P.C.B		(RTL)E.S.D.
				H100EG,EB,EF,EC,EP
##	VEP03J05AQ-S	MAIN P.C.B		(RTL) E.S.D. H100EE
##	VEP03J05AN-S	MAIN P.C.B		(RTL) E.S.D. H100P,PC,GT
##	VEP03J05AR-S	MAIN P.C.B		(RTL) E.S.D.
				H101GC,GA,GK,GN
##	VEP03J05AM-S	MAIN P.C.B		(RTL) E.S.D. H101PU,PR
##	VEP03J05AS-S	MAIN P.C.B		(RTL) E.S.D. H101EB
C108	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C110	F1G1H180A644	C.CAPACITOR CH 50V 18P	1	
C111	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C112	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C113	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C114	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C115	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C116	F1G1H180A644	C.CAPACITOR CH 50V 18P	1	
C117	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C118	F1J1C475A059	C.CAPACITOR CH 16V 4.7U	1	
C119	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C120	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C121	F1G1H102A640	C.CAPACITOR CH 50V 1000P	1	
C122	F1G1H102A640	C.CAPACITOR CH 50V 1000P	1	
C124	F1G1E1040001	C.CAPACITOR CH 25V 0.1U	1	
C125	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C126	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C127	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C128	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C130	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C601	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C602	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C603	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C604	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C605	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C606	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C607	F1H0J2250008	C.CAPACITOR CH 6.3V 2.2U	1	
C608	F1H0J2250008	C.CAPACITOR CH 6.3V 2.2U	1	
C609	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C613	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C614	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C701	F1G0J4740002	C.CAPACITOR CH 6.3V 0.47U	1	
C702	F1G0J4740002	C.CAPACITOR CH 6.3V 0.47U	1	
C703	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C704	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C705	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C706	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C708	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C711	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C714	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C715	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C716	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C717	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C719	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C720	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C722	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C724	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C726	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C727	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C728	F1G1H471A640	C.CAPACITOR CH 50V 470P	1	
C729	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C730	F1G1H472A571	C.CAPACITOR CH 50V 4700P	1	
C731	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C732	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C733	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C734	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C752	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C753	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C755	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1001	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C1061	F1H0J4750004	C.CAPACITOR CH 6.3V 4.7U	1	
C1081	F1H0J2250008	C.CAPACITOR CH 6.3V 2.2U	1	
C1082	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C1083	F1G1H152A640	C.CAPACITOR CH 50V 1500P	1	
C1101	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C1102	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1103	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1161	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C1211	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C1212	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C1214	F3F1A106A026	C.CAPACITOR 10V 10U	1	
C1221	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C1222	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C1231	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C1232	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C1252	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C1261	F1H1E105A116	C.CAPACITOR CH 25V 1U	1	
C1271	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C1272	F1J1C475A170	C.CAPACITOR CH 16V 4.7U	1	
C1273	F1G1H220A644	C.CAPACITOR CH 50V 22P	1	
C1281	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C1282	F1G1H121A644	C.CAPACITOR CH 50V 120P	1	
C1291	ECJ1VB1C105K	C.CAPACITOR CH 16V 1U	1	
C1292	F1G1H220A644	C.CAPACITOR CH 50V 22P	1	
C1301	F1G1H102A640	C.CAPACITOR CH 50V 1000P	1	
C1302	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C1371	F1G1A473A032	C.CAPACITOR CH 10V 0.047U	1	
C1374	ECJ1VB1C105K	C.CAPACITOR CH 16V 1U	1	
C1391	ECJ1VB1C105K	C.CAPACITOR CH 16V 1U	1	
C1411	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C1421	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C1471	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C1501	F1J1A475A023	10V 4.7U	1	
C1502	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1503	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C1506	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C1507	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1508	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1511	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C1512	F1H1E105A116	C.CAPACITOR CH 25V 1U	1	
C1513	ECJ1VB1C105K	C.CAPACITOR CH 16V 1U	1	
C1515	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1518	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C1519	F1J1A475A023	10V 4.7U	1	
C1520	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1521	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1522	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1523	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C2002	F3F0J226A032	T.CAPACITOR CH 6.3V 22U	1	
C2003	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C2004	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C2005	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C2006	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C2008	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C2016	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C2017	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C2018	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C2301	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C2304	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C2305	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C2310	F1G1H8R0A642	C.CAPACITOR CH 50V 8P	1	
C2311	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C3301	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3401	F1H0J4750004	C.CAPACITOR CH 6.3V 4.7U	1	
C3402	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C3403	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3404	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3405	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3406	F1H0J4750004	C.CAPACITOR CH 6.3V 4.7U	1	
C3407	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3408	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3409	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3410	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3412	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3413	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3414	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3415	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3416	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3417	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3418	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3419	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3420	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C3421	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3422	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3423	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3424	F1H0J4750004	C.CAPACITOR CH 6.3V 4.7U	1	
C3425	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3426	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3428	F1G1H100A643	C.CAPACITOR CH 50V 10P	1	
C3429	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3430	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C3431	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3432	F1G1H150A644	C.CAPACITOR CH 50V 15P	1	
C3433	F1G1H150A644	C.CAPACITOR CH 50V 15P	1	
C3436	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C3437	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3438	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C3439	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3440	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3442	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3481	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3482	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3483	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3484	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3485	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3486	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3487	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3488	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3489	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3490	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3491	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3492	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3493	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3494	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3495	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3496	F1G1H120A644	C.CAPACITOR CH 50V 12P	1	
C3701	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C3702	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C3704	F3F0J226A032	T.CAPACITOR CH 6.3V 22U	1	
C3705	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3706	F1H0J4750004	C.CAPACITOR CH 6.3V 4.7U	1	
C3707	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C3709	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C3710	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C3712	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3713	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C3714	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3715	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3716	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C3717	F3G0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C3718	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C4801	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C4802	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C4803	F3F0J226A032	T.CAPACITOR CH 6.3V 22U	1	
C4804	F1G1H332A640	C.CAPACITOR CH 50V 3300P	1	
C4805	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C4806	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C4807	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C4809	F1G1H332A640	C.CAPACITOR CH 50V 3300P	1	
C4810	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C4811	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C4812	F3F0J226A032	T.CAPACITOR CH 6.3V 22U	1	
C6001	F1G1H472A571	C.CAPACITOR CH 50V 4700P	1	
C6002	ECJ1VB1A105K	C.CAPACITOR CH 10V 1U	1	
C6003	F1G1H472A571	C.CAPACITOR CH 50V 4700P	1	
C6005	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C6019	F3F0J476A032	E.CAPACITOR CH 6.3V 47U	1	
C6020	F1G1E1030005	C.CAPACITOR CH 25V 0.01U	1	
C6021	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C6023	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C6024	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C6401	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	(SDR-H101)
C6402	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	(SDR-H101)
D101	B0JCDD000002	DIODE	1	
D102	B0ACDJ000007	DIODE	1	
D1261	B0JCMD000022	DIODE	1	
D1271	B0JCMD000052	DIODE	1	
D1291	B0JCMD000022	DIODE	1	
D1471	B0ACDJ000007	DIODE	1	
D1472	B0ADCJ000097	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1503	B0JCMC000015	DIODE	1	
D1505	DB2S31100L	DIODE	1	
D2301	DB2S31100L	DIODE	1	
D6001	B3AAB0000343	LED	1	
FL6001	EXC14CE900	FILTER	1	
FP6001	K1MN27AA0094	CONNECTOR 27P	1	
FP6004	K1MN22A00065	CONNECTOR 22P	1	
FP6007	K1MN18A00064	CONNECTOR 18P	1	
FP6008	K1MN33AA0093	CONNECTOR 33P	1	
FP6009	K1MY06BA0432	CONNECTOR 6P	1	
IC101	C1AB00003001	IC	1	E.S.D.
IC102	C0DBGFC00009	IC	1	E.S.D.
IC601	C1AB00002388	IC	1	E.S.D.
IC701	C1AB00003241	IC	1	E.S.D.
IC703	C0DBGFC00009	IC	1	E.S.D.
IC1001	C1ZBZ0004347	IC	1	E.S.D.
IC1002	C1ZBZ0004153	IC	1	E.S.D.
IC1301	C0CBCCC00157	IC	1	E.S.D.
IC1371	C0CBZZC00003	IC	1	E.S.D.
IC1411	C0DBGHD00008	IC	1	E.S.D.
IC1421	C0DBGFD00023	IC	1	E.S.D.
IC1423	C0EBE0000237	IC	1	E.S.D.
IC1501	C0EBY0000626	IC	1	E.S.D.
IC1502	C1ZBZ0004145	IC	1	E.S.D.
IC1503	C0DBDYY00042	IC	1	E.S.D.
IC2002	C3EBJC000098	IC	1	E.S.D.
IC2006	MN103SK7NCA	IC	1	E.S.D.
IC2301	C0EBE0000442	IC	1	E.S.D.
IC3301	L2EE00000011	IC	1	E.S.D.
IC3401	VEK0P86	IC	1	E.S.D.
IC3402	TC58EVM9A11A	IC	1	E.S.D.
IC3701	C1AB00003222	IC	1	E.S.D.
IC4801	C0ABBB000369	IC	1	E.S.D.
⚠ IP1501	K5H4021A0011	IC PROTECTOR	1	
⚠ IP1502	K5H4021A0011	IC PROTECTOR	1	
JK6001	K2HZ105E0013	JK, USB	1	
JK6002	K2HC106E0009	JK, A/V	1	
L101	G1C100KA0115	CHIP INDUCTOR 10UH	1	
L102	G1C100MA0495	CHIP INDUCTOR 10UH	1	
L103	G1C100MA0495	CHIP INDUCTOR 10UH	1	
L1211	G1C4R7ZA0222	CHIP INDUCTOR 4.7UH	1	
L1221	G1C3R3MA0249	CHIP INDUCTOR 3.3UH	1	
L1231	G1C100MA0393	CHIP INDUCTOR 10UH	1	
L1251	G1C3R3ZA0240	CHIP INDUCTOR 3.3UH	1	
L1261	G1C6R8MA0061	CHIP INDUCTOR 6.8UH	1	
L1271	G1C6R8MA0061	CHIP INDUCTOR 6.8UH	1	
L1281	G1C4R7ZA0222	CHIP INDUCTOR 4.7UH	1	
L1291	G1C6R8MA0061	CHIP INDUCTOR 6.8UH	1	
L1501	G1C4R7ZA0240	CHIP INDUCTOR 4.7UH	1	
L3401	G1C100MA0495	CHIP INDUCTOR 10UH	1	
L3402	G1C100MA0495	CHIP INDUCTOR 10UH	1	
L3701	G1C100KA0115	CHIP INDUCTOR 10UH	1	
L3702	G1C100KA0115	CHIP INDUCTOR 10UH	1	
L3704	G1C470MA0031	CHIP INDUCTOR 47UH	1	
LB3401	J0JBC0000099	FILTER	1	
LB6001	J0JCC0000276	FILTER	1	
LB6002	J0JCC0000276	FILTER	1	
LB6003	J0JCC0000276	FILTER	1	
P6003	K1KA02BA0014	CONNECTOR 2P	1	(SDR-H101)
PP6002	K1KA40BA0052	CONNECTOR 40P	1	
PP6006	K1KA40BA0052	CONNECTOR 40P	1	
Q703	DSC300100L	TRANSISTOR	1	E.S.D.
Q704	DSC300100L	TRANSISTOR	1	E.S.D.
Q1372	DSA300100L	TRANSISTOR	1	E.S.D.
Q1373	DSC300100L	TRANSISTOR	1	E.S.D.
Q1374	DSC300100L	TRANSISTOR	1	E.S.D.
Q1421	B1ADGD000013	TRANSISTOR	1	E.S.D.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1471	DSC300100L	TRANSISTOR	1	E.S.D.
Q1501	B1CHQD000012	TRANSISTOR	1	E.S.D.
Q1502	B1MBDBA00003	TRANSISTOR	1	E.S.D.
Q1503	B1CHQC000007	TRANSISTOR	1	E.S.D.
Q1504	FK3303010L	TRANSISTOR	1	E.S.D.
Q2001	DSA300100L	TRANSISTOR	1	E.S.D.
Q4801	DSC300100L	TRANSISTOR	1	E.S.D.
Q6402	DSC300100L	TRANSISTOR	1	(SDR-H101) E.S.D.
Q6403	DSA300100L	TRANSISTOR	1	(SDR-H101) E.S.D.
QR701	DRC3143T0L	TRANSISTOR	1	E.S.D.
QR1001	DRC3143E0L	TRANSISTOR	1	E.S.D.
QR1002	DRA3124X0L	TRANSISTOR	1	E.S.D.
QR1101	DRC3114E0L	TRANSISTOR	1	E.S.D.
QR1411	DRA3143Z0L	TRANSISTOR-RESISTOR	1	E.S.D.
QR1471	DRA3124X0L	TRANSISTOR	1	E.S.D.
QR1503	DRC3144E0L	TRANSISTOR	1	E.S.D.
QR2308	DRA3144E0L	TRANSISTOR	1	E.S.D.
QR3401	DRC3144W0L	TRANSISTOR	1	E.S.D.
QR3402	DRA3144E0L	TRANSISTOR	1	E.S.D.
QR6001	DRA3124X0L	TRANSISTOR	1	E.S.D.
QR6002	DRA3124X0L	TRANSISTOR	1	E.S.D.
QR6005	DRA3124X0L	TRANSISTOR	1	E.S.D.
QR6006	DRA3124X0L	TRANSISTOR	1	E.S.D.
QR6007	DRA3124X0L	TRANSISTOR	1	E.S.D.
R104	ERJ2GEJ104	M.RESISTOR CH 1/10W 100K	1	
R105	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	1	
R106	ERJ2GEJ470	M.RESISTOR CH 1/16W 47	1	
R129	ERJ2GEJ3R3	M.RESISTOR 3.3K	1	
R603	ERJ2RHD511	M.RESISTOR CH 1/16W 510	1	
R604	ERJ2RHD102X	M.RESISTOR CH 1/16W 1K	1	
R701	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
R702	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
R703	ERJ2GEJ394	M.RESISTOR CH 1/16W 390K	1	
R704	ERJ2GEJ394	M.RESISTOR CH 1/16W 390K	1	
R710	ERJ2GEJ154	M.RESISTOR CH 1/16W 150K	1	
R711	ERJ2GEJ154	M.RESISTOR CH 1/16W 150K	1	
R714	ERJ2GEJ473Y	M.RESISTOR CH 1/10W 47K	1	
R715	ERJ2GEJ473Y	M.RESISTOR CH 1/10W 47K	1	
R716	ERJ2GEJ222	M.RESISTOR CH 1/10W 2.2K	1	
R717	ERJ2GEJ822	M.RESISTOR CH 1/10W 8.2K	1	
R718	ERJ2GEJ222	M.RESISTOR CH 1/10W 2.2K	1	
R719	ERJ2RHD682X	M.RESISTOR CH 1/10W 6.8K	1	
R720	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
R721	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R722	ERJ2RHD682X	M.RESISTOR CH 1/10W 6.8K	1	
R723	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R724	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	1	
R725	ERJ2GEJ104	M.RESISTOR CH 1/10W 100K	1	
R752	ERJ2GEJ221	M.RESISTOR CH 1/16W 220	1	
R753	ERJ2GEJ221	M.RESISTOR CH 1/16W 220	1	
R755	ERJ2GEJ473Y	M.RESISTOR CH 1/10W 47K	1	
R756	ERJ2GEJ473Y	M.RESISTOR CH 1/10W 47K	1	
⚠ R1081	D1JBR084A023	RESISTOR	1	
R1082	ERJ2RHD823	M.RESISTOR CH 1/16W 82K	1	
R1083	ERJ2GEJ752X	M.RESISTOR CH 1/10W 7.5K	1	
R1101	ERJ2GEJ124	M.RESISTOR CH 1/16W 120K	1	
R1107	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R1161	ERJ2GEJ200	M.RESISTOR CH 1/16W 20	1	
⚠ R1211	D1JBR095A023	RESISTER	1	
R1212	ERJ2RKD754	M.RESISTOR CH 1/16W 750K	1	
R1213	ERJ2RHD183	M.RESISTOR CH 1/16W 18K	1	
R1214	ERJ2RKD134	M.RESISTOR CH 1/16W 130K	1	
⚠ R1221	D1JBR084A023	RESISTER	1	
R1222	D0GA1R0JA021	M.RESISTOR CH 1/16W 1	1	
⚠ R1231	D1JBR058A023	RESISTER	1	
R1232	ERJ2RKD304	M.RESISTOR CH 1/16W 300K	1	
R1234	ERJ2RKD244	M.RESISTOR CH 1/16W 240K	1	
R1252	ERJ2RKD514	M.RESISTOR CH 1/16W 510K	1	
R1253	ERJ2RHD153X	M.RESISTOR CH 1/16W 15K	1	
R1254	ERJ2RKD105	M.RESISTOR CH 1/16W 1M	1	
⚠ R1261	D1JBR095A023	RESISTER	1	
⚠ R1271	D1JBR084A023	RESISTER	1	
R1272	ERJ2RKD224	M.RESISTOR CH 1/16W 220K	1	
R1274	ERJ2RHD153X	M.RESISTOR CH 1/16W 15K	1	
R1275	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1276	ERJ2GEJ203X	M.RESISTOR CH 1/16W 22K	1	
R1281	ERJ2GEJ472	M.RESISTOR CH 1/10W 4.7K	1	
R1282	ERJ2RHD473	M.RESISTOR CH 1/16W 47K	1	
R1284	ERJ2RHD153X	M.RESISTOR CH 1/16W 15K	1	
R1292	ERJ2RHD473	M.RESISTOR CH 1/16W 47K	1	
R1294	ERJ2RHD622	M.RESISTOR CH 1/16W 6.2K	1	
R1295	ERJ2GEJ472	M.RESISTOR CH 1/10W 4.7K	1	
R1374	ERJ2RHD133	M.RESISTOR CH 1/16W 13K	1	
R1375	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	1	
R1376	ERJ2RHD563	M.RESISTOR CH 1/16W 56K	1	
R1378	ERJ2RHD153X	M.RESISTOR CH 1/16W 15K	1	
R1423	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R1424	ERJ2GEJ473Y	M.RESISTOR CH 1/10W 47K	1	
R1425	ERJ2GEJ472	M.RESISTOR CH 1/10W 4.7K	1	
R1473	ERJ2GEJ224	M.RESISTOR CH 1/10W 220K	1	
R1474	ERJ2GEJ183	M.RESISTOR CH 1/10W 18K	1	
R1501	D1BDR020A099	RESISTOR	1	
R1502	ERJ2GEJ101	M.RESISTOR CH 1/10W 100	1	
R1503	ERJ2GEJ101	M.RESISTOR CH 1/10W 100	1	
R1509	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R1510	ERJ2GEJ474	M.RESISTOR CH 1/16W 470K	1	
R1511	ERJ2GEJ472	M.RESISTOR CH 1/10W 4.7K	1	
R1512	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
R1513	ERJ2RKD154	M.RESISTOR CH 1/16W 150K	1	
R1515	ERJ2RKD124	M.RESISTOR CH 1/16W 120K	1	
R1516	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
R1517	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R1518	ERJ2GEJ104	M.RESISTOR CH 1/10W 100K	1	
R1522	ERJ2GEJ114X	M.RESISTOR CH 1/16W 110K	1	
R1523	ERJ2GEJ184	M.RESISTOR CH 1/16W 180K	1	
R1524	ERJ2GEJ473Y	M.RESISTOR CH 1/10W 47K	1	
R1525	ERJ2RHD223	M.RESISTOR CH 1/16W 22K	1	
R1526	D1BDR100A138	RESISTER	1	
R1529	ERJ3GEYJ101	M.RESISTOR CH 1/10W 100	1	
R1532	ERJ2GEJ220	M.RESISTOR CH 1/16W 22	1	
R2010	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R2011	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	1	
R2013	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
R2015	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
R2021	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	1	
R2022	ERJ2GEJ152	M.RESISTOR CH 1/16W 1.5K	1	
R2023	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R2025	ERJ2RKD184	M.RESISTOR CH 1/16W 180K	1	
R2026	ERJ2RKD184	M.RESISTOR CH 1/16W 180K	1	
R2027	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R2304	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
R2311	D0GA220JA023	M.RESISTOR CH 1/16W 22	1	
R2312	ERJ2GEJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3301	ERJ2GEJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3302	ERJ2GEJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3403	ERJ2GEJ473Y	M.RESISTOR CH 1/10W 47K	1	
R3404	ERJ2GEJ473Y	M.RESISTOR CH 1/10W 47K	1	
R3408	ERJ2RHD331	M.RESISTOR CH 1/16W 330	1	
R3411	ERJ2RHD331	M.RESISTOR CH 1/16W 330	1	
R3413	ERJ2GEJ270	M.RESISTOR CH 1/10W 27	1	
R3414	ERJ2GEJ680	M.RESISTOR CH 1/10W 68	1	
R3415	ERJ2RHD622	M.RESISTOR CH 1/16W 6.2K	1	
R3416	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R3417	ERJ2RHD823	M.RESISTOR CH 1/16W 82K	1	
R3418	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
R3419	ERJ2RHD303	M.RESISTOR CH 1/16W 30K	1	
R3420	ERJ2RHD153X	M.RESISTOR CH 1/16W 15K	1	
R3421	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
R3422	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	1	
R3423	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
R3424	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
R3425	ERJ2RHD511	M.RESISTOR CH 1/16W 510	1	
R3426	ERJ2RHD511	M.RESISTOR CH 1/16W 510	1	
R3427	ERJ2RHD511	M.RESISTOR CH 1/16W 510	1	
R3428	ERJ2RHD511	M.RESISTOR CH 1/16W 510	1	
R3430	ERJ2RHD511	M.RESISTOR CH 1/16W 510	1	
R3431	ERJ2RHD511	M.RESISTOR CH 1/16W 510	1	
R3432	ERJ2RHD241	M.RESISTOR CH 1/16W 240	1	
R3433	ERJ2RHD241	M.RESISTOR CH 1/16W 240	1	
R3434	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R3435	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R3437	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3481	ERJ2RKD330	M.RESISTOR CH 1/16W 33	1	
R3482	ERJ2RKD330	M.RESISTOR CH 1/16W 33	1	
R3483	ERJ2RKD330	M.RESISTOR CH 1/16W 33	1	
R3484	ERJ2RKD330	M.RESISTOR CH 1/16W 33	1	
R3485	ERJ2RKD330	M.RESISTOR CH 1/16W 33	1	
R3486	ERJ2RKD330	M.RESISTOR CH 1/16W 33	1	
R3487	ERJ2GEJ220	M.RESISTOR CH 1/16W 22	1	
R3488	ERJ2GEJ220	M.RESISTOR CH 1/16W 22	1	
R3489	ERJ2GEJ220	M.RESISTOR CH 1/16W 22	1	
R3490	ERJ2GEJ820	M.RESISTOR CH 1/16W 82	1	
R3491	ERJ2GEJ820	M.RESISTOR CH 1/16W 82	1	
R3492	ERJ2GEJ820	M.RESISTOR CH 1/16W 82	1	
R3493	ERJ2GEJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3494	ERJ2GEJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3495	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R3499	ERJ2GEJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3703	ERJ2GEJ473Y	M.RESISTOR CH 1/10W 47K	1	
R3704	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R3705	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R3708	ERJ2GEJ473Y	M.RESISTOR CH 1/10W 47K	1	
R3710	ERJ2RKD680	M.RESISTOR CH 1/16W 68	1	
R3711	ERJ2GEJ561	M.RESISTOR CH 1/16W 560	1	
R3712	ERJ2GEJ561	M.RESISTOR CH 1/16W 560	1	
R4802	ERJ2GEJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4803	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R4804	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	1	
R4805	ERJ2GEJ334	M.RESISTOR CH 1/16W 330K	1	
R4806	ERJ2GEJ823	M.RESISTOR CH 1/16W 82K	1	
R4807	VRE0071E392	M.RESISTOR CH 1/10W 3.9K	1	
R4808	ERJ2GEJ334	M.RESISTOR CH 1/16W 330K	1	
R4809	ERJ2GEJ823	M.RESISTOR CH 1/16W 82K	1	
R4810	VRE0071E392	M.RESISTOR CH 1/10W 3.9K	1	
R6001	ERJ2GEJ821	M.RESISTOR CH 1/10W 820	1	
R6002	ERJ2GEJ821	M.RESISTOR CH 1/10W 820	1	
⚠ R6003	D1JBR084A023	RESISTER	1	
R6004	ERJ2GEJ471	M.RESISTOR CH 1/10W 470	1	
R6005	ERJ2GEJ470	M.RESISTOR CH 1/16W 47	1	
R6006	ERJ2GEJ102Y	M.RESISTOR CH 1/10W 1K	1	
⚠ R6007	D1JBR084A023	RESISTER	1	
R6022	D0GA220JA023	M.RESISTOR CH 1/16W 22	1	H100EG,EB,EF,EC,EP
R6023	ERJ2GEJ220	M.RESISTOR CH 1/16W 22	1	
R6026	ERJ2GEJ103	M.RESISTOR CH 1/10W 10K	1	
R6027	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	1	
R6040	ERJ2GED563X	M.RESISTOR CH 1/10W 56K	1	
R6403	D0GA120JA021	M.RESISTOR CH 1/16W 20	1	(SDR-H101)
R6404	D0GA120JA021	M.RESISTOR CH 1/16W 20	1	(SDR-H101)
R6405	ERJ2GEJ432	M.RESISTOR CH 1/10W 4.3K	1	(SDR-H101)
R6406	ERJ2RHD683	M.RESISTOR CH 1/16W 68K	1	(SDR-H101)
R6407	ERJ2RHD183	M.RESISTOR CH 1/16W 18K	1	(SDR-H101)
R6408	ERJ2RHD332X	M.RESISTOR CH 1/16W 3.3K	1	(SDR-H101)
R6035	D0GA103JA023	M.RESISTOR CH 1/10W 10K	1	
RX2001	EXB28V103JX	CHIP RESISTOR ARRAY	1	
RX2002	EXB28V103JX	CHIP RESISTOR ARRAY	1	
RX2005	D1H84734A024	CHIP RESISTOR ARRAY	1	
RX2006	EXB28V103JX	CHIP RESISTOR ARRAY	1	
RX2008	D1H81514A024	CHIP RESISTOR ARRAY	1	
RX3402	EXB28V103JX	CHIP RESISTOR ARRAY	1	
RX3403	D1H82704A024	CHIP RESISTOR ARRAY	1	
RX3404	EXB28V103JX	CHIP RESISTOR ARRAY	1	
RX3405	EXB28V103JX	CHIP RESISTOR ARRAY	1	
RX3406	D1H84734A024	CHIP RESISTOR ARRAY	1	
RX3407	D1H84734A024	CHIP RESISTOR ARRAY	1	
RX3481	D1H81214A024	CHIP RESISTOR ARRAY	1	
RX3482	D1H81214A024	CHIP RESISTOR ARRAY	1	
RX3483	D1H81214A024	CHIP RESISTOR ARRAY	1	
RX3484	D1H81214A024	CHIP RESISTOR ARRAY	1	
RX3485	EXB28V103JX	CHIP RESISTOR ARRAY	1	
RX3486	EXB28V103JX	CHIP RESISTOR ARRAY	1	
RX3487	EXB28V103JX	CHIP RESISTOR ARRAY	1	
RX3488	EXB28V103JX	CHIP RESISTOR ARRAY	1	
S6002	K0H1BA000580	SWITCH	1	
S6003	K0H1BA000580	SWITCH	1	
S6005	ESE18R12BXFD	SWITCH, LCD OPEN	1	
VA1501	D4ED1270A011	VARISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VA1502	D4ED1270A011	VARISTOR	1	
VA1503	D4ED18R00008	VARISTOR	1	
VA1504	D4ED18R00008	VARISTOR	1	
VA4801	D4ED18R00004	VARISTOR	1	
VA4802	D4ED18R00004	VARISTOR	1	
VA6004	D4ED18R00008	VARISTOR	1	
X2001	H2C135500003	CRYSTAL OSCILLATOR	1	
X2301	H0J327200172	CRYSTAL OSCILLATOR	1	
X3401	H0J120500077	CRYSTAL OSCILLATOR	1	
X3402	H0J270500157	CRYSTAL OSCILLATOR	1	