



Duo HD Disc Player

Chassis : Blu-Ray

BASIC : BD-UP5000

**Application Model
: BD-UP5000**

Application Areas

: XAA, XAC, AFS

SERVICE MANUAL

SERVICE MANUAL

BD-UP5000

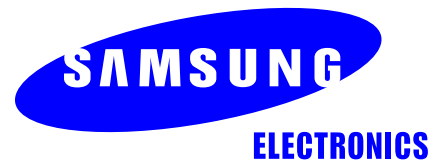
SERVICE

Manual

Duo HD Disc Player

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If you want to know additional information which is not included on this Service Manual, Please refer to the SKP(Samsung Knowledge Portal) web site.

Area	Web Site
North America	URL ; http://service.samsungportal.com
Latin America	URL ; http://latin.samsungportal.com
CIS	URL ; http://cis.samsungportal.com
Europe	URL ; http://europe.samsungportal.com
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1. Precautions

1-1 Safety Precautions

1) Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to, the following items:

- (1) Be sure that no built-in protective devices are defective or have been defeated during servicing.
- (1) Protective shields are provided to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience.
- (2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fish papers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning.

(2) Be sure that there are no cabinet openings through which adults or children might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, excessively wide cabinet ventilation slots, and an improperly fitted and/or incorrectly secured cabinet back cover.

(3) Leakage Current Hot Check-With the instrument completely reassembled, plug the AC line cord directly into a 230V(220V ~ 240V) AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1270 (40.7). With the instrument's AC switch first in the ON position and then in the OFF position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinets, screwheads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5mA. Reverse the instrument power cord plug in the outlet and repeat the test. See Fig. 1-1.

Any measurements not within the limits specified herein indicate a potential shock hazard that must be eliminated before returning the instrument to the customer.

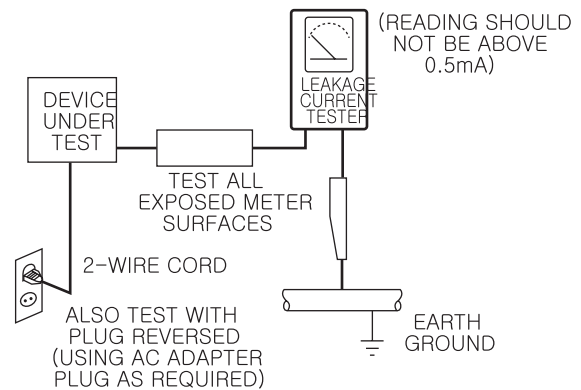


Fig. 1-1 AC Leakage Test

(4) Insulation Resistance Test Cold Check-(1) Unplug the power supply cord and connect a jumper wire between the two prongs of the plug. (2) Turn on the power switch of the instrument. (3) Measure the resistance with an ohmmeter between the jumpered AC plug and all exposed metallic cabinet parts on the instrument, such as screwheads, antenna, control shafts, handle brackets, etc. When an exposed metallic part has a return path to the chassis, the reading should be between 1 and 5.2 megohm. When there is no return path to the chassis, the reading must be infinite. If the reading is not within the limits specified, there is the possibility of a shock hazard, and the instrument must be repaired and rechecked before it is returned to the customer. See Fig. 1-2.

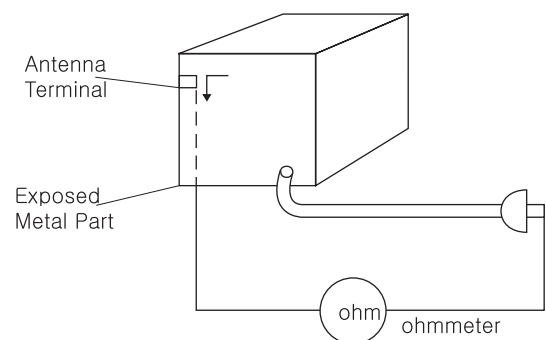


Fig. 1-2 Insulation Resistance Test

Precautions

- 2) Read and comply with all caution and safety related notes on or inside the cabinet, or on the chassis.
- 3) Design Alteration Warning-Do not alter or add to the mechanical or electrical design of this instrument.
Design alterations and additions, including but not limited to, circuit modifications and the addition of items such as auxiliary audio output connections, might alter the safety characteristics of this instrument and create a hazard to the user. Any design alterations or additions will make you, the servicer, responsible for personal injury or property damage resulting therefrom.
- 4) Observe original lead dress. Take extra care to assure correct lead dress in the following areas: (1) near sharp edges, (2) near thermally hot parts (be sure that leads and components do not touch thermally hot parts), (3) the AC supply, (4) high voltage, and (5) antenna wiring. Always inspect in all areas for pinched, out-of-place, or frayed wiring. Do not change spacing between a component and the printed-circuit board. Check the AC power cord for damage.
- 5) Components, parts, and/or wiring that appear to have overheated or that are otherwise damaged should be replaced with components, parts and/ or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.
- 6) Product Safety Notice-Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by shading, an (⚠) or a (⚡) on schematics and parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

CAUTION : Before servicing units covered by this service manual and its supplements, read and follow the Safety Precautions section of this manual.

Note : If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

Remember: Safety First.

1-2-1 General Servicing Precautions

- (1) a. Always unplug the instrument's AC powercord from the AC power source before (1) re-moving or reinstalling any component, circuit board, module or any other instrument assembly, (2) disconnecting any instrument electrical plug or other electrical connection, (3) connecting a test substitute in parallel with an electrolytic capacitor in the instrument.
- b. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.
- c. Do not apply AC power to this instrument and /or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
- d. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

Note : Refer to the Safety Precautions section ground lead last.

- (2) The service precautions are indicated or printed on the cabinet, chassis or components. When servicing, follow the printed or indicated service precautions and service materials.
- (3) The components used in the unit have a specified flame resistance and dielectric strength. When replacing components, use components which have the same ratings. Components identified by shading, by () or by () in the circuit diagram are important for safety or for the characteristics of the unit. Always replace them with the exact replacement components.

- (4) An insulation tube or tape is sometimes used and some components are raised above the printed wiring board for safety. The internal wiring is sometimes clamped to prevent contact with heating components. Install such elements as they were.
- (5) After servicing, always check that the removed screws, components, and wiring have been installed correctly and that the portion around the serviced part has not been damaged and so on. Further, check the insulation between the blades of the attachment plug and accessible conductive parts.

1-2-2 Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power ON. Connect the insulation resistance meter (500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts(see note) should be more than 1 Megohm.

Note : Accessible conductive parts include metal panels, input terminals, earphone jacks, etc.

1-3 ESD Precautions

Electrostatically Sensitive Devices (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity.

Such components commonly are called Electrostatically Sensitive Devices (ESD). Examples of typical ESD 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 static electricity.

- (1) Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, 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 ESD 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 ESD devices.
- (4) Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.
- (5) Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.
- (6) Do not remove a replacement ESD device from its protective package until immediately before you are ready to install it. (Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).
- (7) Immediately before removing the protective materials from the leads of a replacement ESD 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 ESD 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 sufficient to damage an ESD device).

1-4 Handling the optical pick-up

The laser diode in the optical pick up may suffer electrostatic breakdown because of potential static electricity from clothing and your body.

The following method is recommended.

- (1) Place a conductive sheet on the work bench (The black sheet used for wrapping repair parts.)
 - (2) Place the set on the conductive sheet so that the chassis is grounded to the sheet.
 - (3) Place your hands on the conductive sheet (This gives them the same ground as the sheet.)
 - (4) Remove the optical pick up block
 - (5) Perform work on top of the conductive sheet. Be careful not to let your clothes or any other static sources to touch the unit.
- ◆ Be sure to put on a wrist strap grounded to the sheet.
 - ◆ Be sure to lay a conductive sheet made of copper etc. Which is grounded to the table.

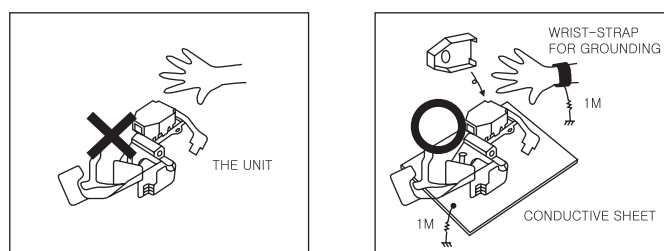


Fig.1-3

- (6) Short the short terminal on the PCB, which is inside the Pick-Up ASS'Y, before replacing the Pick-Up. (The short terminal is shorted when the Pick-Up Ass'y is being lifted or moved.)
- (7) After replacing the Pick-up, open the short terminal on the PCB.

MEMO

2. Product Specification

2-1 Product Specification

General	Power requirements	AC 120V ~ 60Hz
	Power consumption	42W
	Weight	9.3 lbs
	Dimensions	16.9 (W) x 12.8 (D) x 3.1 (H) inches
	Operating Temperature Range	+41°F to 95°F
	Operating Humidity Range	10 % to 75 %
Disc	BD	Reading Speed : 4.917m/sec
	HD DVD	Reading speed : 6.61m/sec
	DVD (Digital Versatile Disc)	Reading Speed : 3.49 ~ 4.06 m/sec. Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.
Video Output	Composite Video	1 channel : 1.0 Vp-p (75 Ω load)
		Blu-ray Disc/HD DVD/DVD : 480i
	Component Video	Y : 1.0 Vp-p (75 Ω load)
		Pr : 0.70 Vp-p (75 Ω load)
		Pb : 0.70 Vp-p (75 Ω load)
		HD DVD/Blu-ray Disc : 1080i, 720p, 480p, 480i DVD : 480p, 480i
	S-Video	Luminance Signal : 1.0 Vp-p (75 Ω load)
		Chrominance Signal : 0.3 Vp-p (75 Ω load)
Blu-ray Disc/HD DVD / DVD : 480i		
Video/Audio	HDMI	480p, 720p, 1080i. 1080p
		PCM multichannel audio, bitstream audio, PCM audio
Audio Output	2 Channel	L(1/L), R(2/R)
	7.1 Channel	F/L, F/R, R/L, R/R, C/T, S/W, SBR, SBL
	Digital Audio Output	Optical/Coaxial
	*Frequency Response	48 kHz Sampling : 4 Hz to 22 kHz
		96 kHz Sampling : 4 Hz to 44 kHz
	*S/N Ratio	110 dB
	*Dynamic Range	100 dB
*Total Harmonic Distortion	0.003%	

2-1-1 Player Features

- Supporting a Variety of Video Disc Types
Supports BD, HD DVD, DVD Video, DVD-RW,-R (V mode and finalized only).
- HDMI (High Definition Multimedia Interface)
HDMI reduces picture noise by allowing a pure digital video/audio signal path from the player to your TV.
- Simplay HD
Simplay HD guarantees that this player has been tested according to specifications aimed at maximizing the delivery of HD content.

2-1-2 Blu-ray Disc Features

Blu-ray Discs can store 25 GB (single layer) or 50 GB (dual layer) on a single sided disc - about 5 to 10 times the capacity of a DVD. Blu-ray Discs also support the highest quality HD video available in the industry (up to 1920 x 1080 at 40 Mbit/sec) - Large capacity means no compromise on video quality. Furthermore, a Blu-ray Disc has the same familiar size and look as DVD.

2-1-3 HD DVD Features

The HD DVD video disc is a high-density, mass-storage medium.

The HD DVD disc standard has been approved by the DVD forum.

The HD DVD (dual-layer) can store up to 30 GB of data, and the single layer HD DVD can do so up to 15 GB.

On one side of a single layer DVD, you can store up to 8 hours of high resolution video source in 1125 scanning lines, and up to 48 hours of standard resolution source in 525 scanning lines. (The figures can differ, depending on the bit rate of the recorded source)

- * The following BD/HD DVD Disc features are disc dependant and will vary.
Appearance and navigation of features will also vary from disc to disc.
Not all discs will have the features described below.

- Video highlights
The BD-ROM/ HD DVD-ROM format for movie distribution supports three highly advanced video codecs, including AVC, VC-1, and MPEG-2.

HD video resolutions are also available:

- 1920 x 1080 HD
- 1280 x 720 HD

- For High-Definition Playback
To view high-definition contents in BD/HD DVD Disc, an HDTV (High Definition Television) is required. Some BD discs may require using the player's HDMI OUT to view high-definition content. The ability to view high-definition content on BD discs may be limited depending on the resolution of your TV.
- Graphic planes
Two individual, full HD resolution (1920x1080) video layers are available, on top of the HD video layer. One layer is assigned to video-related graphics (like subtitles), and the other layer is assigned to interactive elements, such as buttons or menus. Various wipes, fades and scroll effects may be available on both layers.
- Menu graphics
Support full color resolution graphics and animation, thereby greatly surpassing the capabilities of DVD-Video. (Blu-ray disc only)
Unlike DVD, Menus can be accessed during video playback.
- Menu sounds

When you highlight or select a menu option on a disc, sounds can be heard such as button clicks or a voice-over explaining the highlighted menu choice.

- **Multi-page/PopUp Menus**
With DVD-Video, playback is interrupted each time a new menu screen is accessed. Due to Blu-ray Disc's ability to preload data from the disc without interrupting playback, a menu may consist of several pages. You can browse through the menu pages or select different menu paths, while the audio and video remain playing in the background.
- **Interactivity**
With the HD DVD, you can enjoy various types of content showing additional information including animation on menu options and movie, simultaneous playback of main and secondary movies using PIP (Picture-in-picture), and download various content via the network for your entertainment.
- **User Browsable Slideshows**
With BD/HD DVD Discs, you can browse through various still pictures while the audio remains playing.
- **Subtitles**
Depending on what is contained on the BD/HD DVD Disc, you may be able to select different font styles, sizes and colors for the subtitles, Subtitles may also be animated, scrolled or faded in and out.
- **Multi-format System**
The HD DVD twin-format disc consists of the HD DVD layer and DVD layer on the single side.
The HD DVD combi disc consists of the HD DVD layer and the DVD layer on each of the double sides.
The above two types of disc are newly introduced and may not be operated in the player, depending on the disc.
- **Internet Connection (LAN Port)**
Some HD DVD discs are designed to access a certain HD DVD site.
If your player is connected to the Internet and such content as movie trailer is provided in that HD DVD site, you can access the site and enjoy that content on the player.

2-1-4 Disc types that can be played

Disc Types	Recorded content	Disc Shape	Max. Playing minute
BD-ROM	AUDIO + VIDEO	Single sided(25GB)	Playing time depends on the Title
		Double sided(50GB)	
HD DVD-ROM	AUDIO + VIDEO	Single sided(15GB)	-
		Double sided(30GB)	
DVD-VIDEO (Include mini type)	AUDIO + VIDEO	Single sided(5 inches)	240
		Double sided(5 inches)	480
		Single sided(3 1/2 inches)	80
		Double sided(3 1/2 inches)	160
DVD-RW(V mode and finalized only) (Include mini type)	AUDIO + VIDEO	5 inches (4.7GB)	480(EX : Extended Play)
DVD-R(V mode and finalized only) (Include mini type)	AUDIO + VIDEO	5 inches (4.7GB)	480(EX : Extended Play)
AUDIO-CD	AUDIO	Single sided(5 inches)	74
		Single sided(3 1/2 inches)	20

BD-ROM	Blu-ray Disc Read Only Memory. A BD-ROM disc contains pre-recorded data. Although a BD-ROM may contain any form of data, most BD-ROM discs will contain movies in High Definition format, for playback on Blu-ray disc players. This unit can play back pre-recorded commercial BD-ROM discs.
HD DVD	HD DVD or High-Definition DVD is a high-density optical disc format designed for the storage of data and high-definition video. HD DVD has a single-layer capacity of 15GB and a dual-layer capacity of 30GB.
DVD-Video	A digital versatile disc (DVD) can contain up to 135-minutes of images, 8 audio languages and 32 subtitle languages. It is equipped with MPEG-2 picture compression and Dolby Digital surround, allowing you to enjoy vivid and clear theatre quality images. When switching from the first layer to the second layer of a dual-layered DVD Video disc, there may be momentary distortion in the image and sound. This is not a malfunction of the unit. Once a DVD-RW/-R recorded in Video Mode is finalized, it becomes DVD-Video. Pre-recorded (prestamped) commercial DVDs with movies are also referred to as DVD-Videos. This unit can play back pre-recorded commercial DVD discs (DVD-Video discs) with movies.
AUDIO-CD	An audio disc on which 44.1kHz PCM Audio is recorded. This unit can play back CD-DA format audio CD-R. The unit may not be able to play some CD-R discs due to the condition of the recording.
CD-R(V mode and finalized only)	Use a 700MB(80 minutes) CD-R disc. If possible, do not use a 800MB(90 minutes) or above disc, as the disc may not play back. If the CD-R disc was not recorded as a closed session, you may experience a delay in the early playback time, all recorded files may not play. Some CD-R discs may not be playable with this unit, depending on the device which was used to burn them. For contents recorded on CD-R media from CDs for your personal use, playability may vary depending on contents and discs.
DVD-R(V mode and finalized only)	Once a DVD-R recorded in Video Mode is finalized, it becomes DVD-Video. This unit can play back DVD-R discs recorded and finalized with a Samsung DVD video recorder. It may not be able to play some DVD-R discs depending on the disc and the condition of the recording.
DVD-RW (V mode and finalized only)	Playback can be performed with DVD-RW discs in the Video Mode and finalized only. Once a DVD-RW recorded in Video Mode is finalized, it becomes DVD-Video. Ability to play back may depend on recording conditions

2-1-5 Discs that cannot be played

- Blu-ray Discs with a region code other than "Region A".
- BD-R, BD-RE
- DVD-Video with a region number other than "1" or "ALL"
- HD DVD-R
- DVD-RAM
- 3.9 GB DVD-R Disc for Authoring.
- DVD-RW(VR mode)
- DVD-ROM/PD/MV-Disc, etc
- CD-RW
- CVD/CD-ROM/CDV/CD-G/CD-I/LD



[Note]

- Some commercial discs and HD DVD/ DVD discs purchased outside your region may not be playable with this product. When these discs are played, either "No disc." or "Please check the regional code of the disc." will be displayed.
- If a DVD-R/-RW disc has not been recorded properly in DVD video format, it will not be playable. The unit cannot play DVD-RW/-R recorded content such as divx, avi, mpg, mov, wma, mp3, jpeg.

2-1-6 Region code

Both the Duo HD player and the discs are coded by region. These regional codes must match in order to play the disc. If the codes do not match, the disc will not play.

The Region Number for this Duo HD player is described on the rear panel of the Duo HD player.

Disc Type	Blu-ray	DVD-Video
Region code		

BD Region Code	Area
A	North America, Central America, South America, Korea, Japan, Taiwan, Hong Kong and South East Asia.
B	Europe, Greenland, French territories, Middle East, Africa, Australia and New Zealand.
C	India, China, Russia, Central and South Asia.




2-1-7 Blu-ray Disc Compatibility




Blu-ray Disc is a new and evolving format. Accordingly, disc compatibility issues are possible. Not all discs are compatible and not every disc will play back. For additional information, refer to the Compliance and Compatibility Notice section of this Manual. If you encounter compatibility problems, please contact the SAMSUNG customer care center. This Samsung Blu-ray disc player (BD-UP5000) supports only the BDRM Profile 1 version 1.0 specification. If you want to play later version discs, you may need to update player's firmware. Please refer to <http://www.samsung.com> or contact SAMSUNG customer care center at 1-800 SAMSUNG.

2-1-8 HD DVD Disc Compatibility



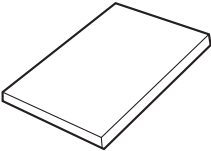
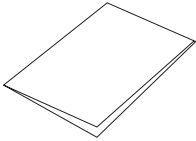
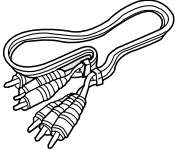
HD DVD is a new format, disc compatibility issues with new and existing format discs are possible. Not all discs are compatible. If you experience compatibility problems, please contact SAMSUNG Customer Service.

2-2 Chassis Product Specification

General	Features	BD-P1200/XAA	BD-P1400/XAA	BD-UP5000/XAA
Chassis				
Input / Output	CVBS Output	1CH	1CH	1CH
	S-Video Output	1CH	1CH	1CH
	YPbPr Output	1CH	1CH	1CH
	HDMI	0	0	0
	Digital Audio Output(Optical/Coaxial)	O/O	O/O	O/O
	ANalog Audio Output (2ch/5.1ch)	1/1	1/1	1/1(7.1ch)
	HDMI CEC	0	0	0
Audio/Video Decoder	A/V Decoder	BCM7438	SMP8634	BCM7440
	Video DAC	10bit	10bit	10bit
	Audio DAC	24bit 192kHz	24bit 192kHz	24bit 192kHz
Loader	BD-ROM	0	0	0
	BD-RE / BD-R	0	X	X
	DVD-RAM	0	X	X
	DVD-RW	0	0	0
	DVD-ROM	0	0	0
	DVD-R	0	0	0
	DVD+R	X	X	X
	DVD+RW	X	X	X
	CD-ROM	0	0	0
	CD-R	0	0	0
	CD-RW	0	0	X
	HD DVD-ROM	X	X	0
A/V Play-able Media	BD-ROM	0	0	0
	BD-RE / BD-R	0	X	X
	DVD-Video	0	0	0
	DVD-Audio	X	X	X
	DVD-VR	0	X	X
	HD DVD-ROM	X	X	0
	Not finalized DVD-V Mode	X	X	X
	VCD 1.1/2.0	X	X	X
	SVCD/CVD	X	X	X
	CD-DA	0	0	0
	DTS CD	0	0	0
	HDCD	X	X	X
	SACD	X	X	X
	SACD CD Layer	0	0	0
	Picture CD	0	0	0
DIVX	X	X	X	

General	Features	BD-P1200/XAA	BD-P1400/XAA	BD-UP5000/XAA
Chassis				
Miscellaneous	Front Display	VFD	VFD	VFD
	Screen capture	X	X	X
	Closed Caption pass through from disc	O	O	O
	Main Menu (including Setup Menu)	O	O	O

2-3 Option Product Specification

Description Fig	Description	Parts No	Remark
	Remote Control	AK59-00075A	Model Standard of BD-UP5000/XAA
	Batteries for Remote Control	4301-001035	Model Standard of BD-UP5000/XAA S.N.A
	Instruction Manual	AK68-01477A	Model Standard of BD-UP5000/XAA
	Quick Guide	AK68-01480A	Model Standard of BD-UP5000/XAA S.N.A
	Component Cable	MF39-00274A	Model Standard of BD-UP5000/XAA

3. Disassembly and Reassembly

3-1 Cabinet and PCB

CAUTION : Connector Must be remove with care

3-1-1 Top Cabinet Removal

- 1) Remove 5 Screws ①, ②.
- 2) Lift up the Top Cabinet ③ in direction of arrow.

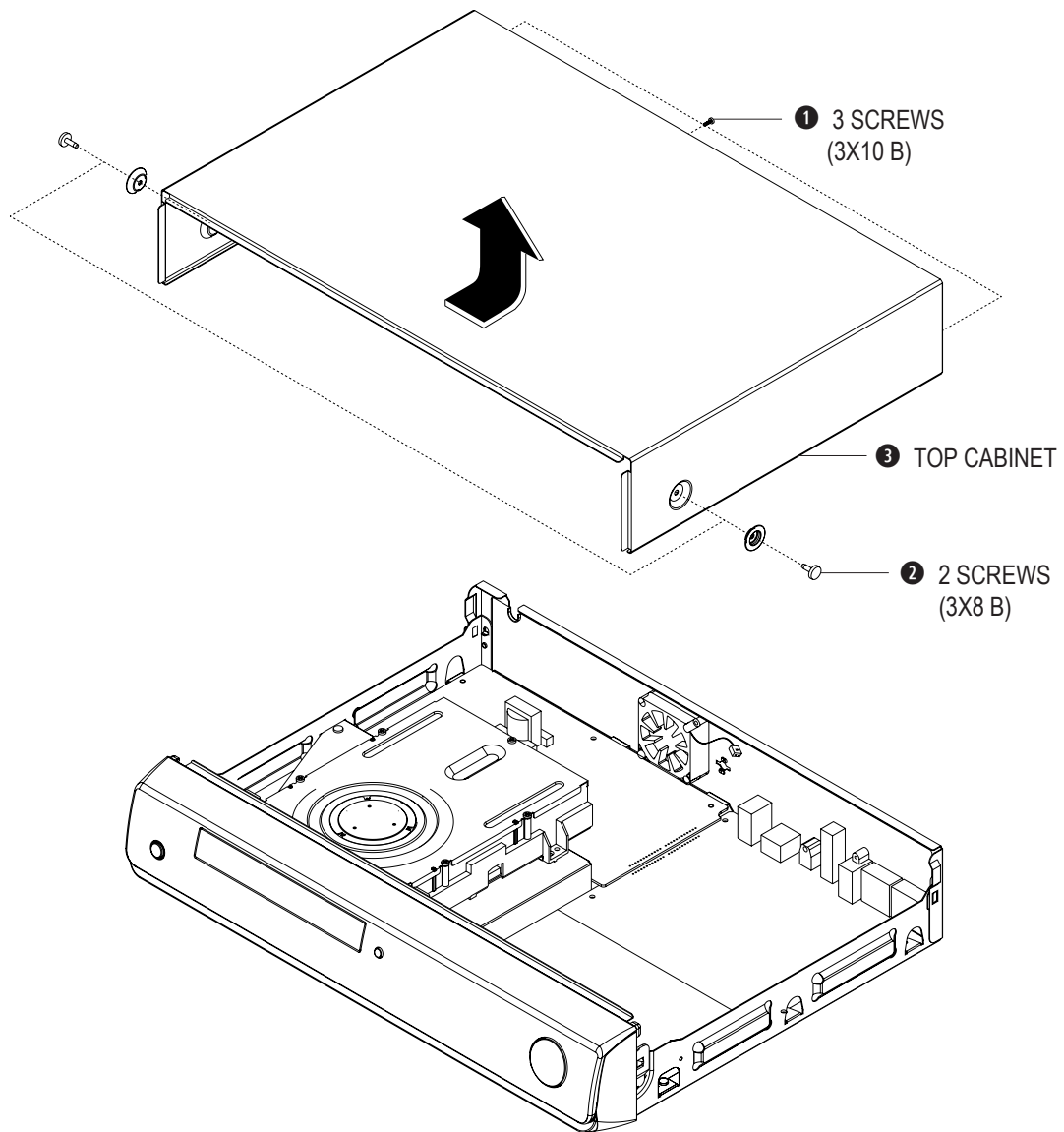


Fig. 3-1 Top Cabinet Removal

3-1-2 Ass'y Front-Cabinet Removal

1) Release 7 Hooks ①, ②, ③, ④ and Ass'y Front-Cabinet ⑤.

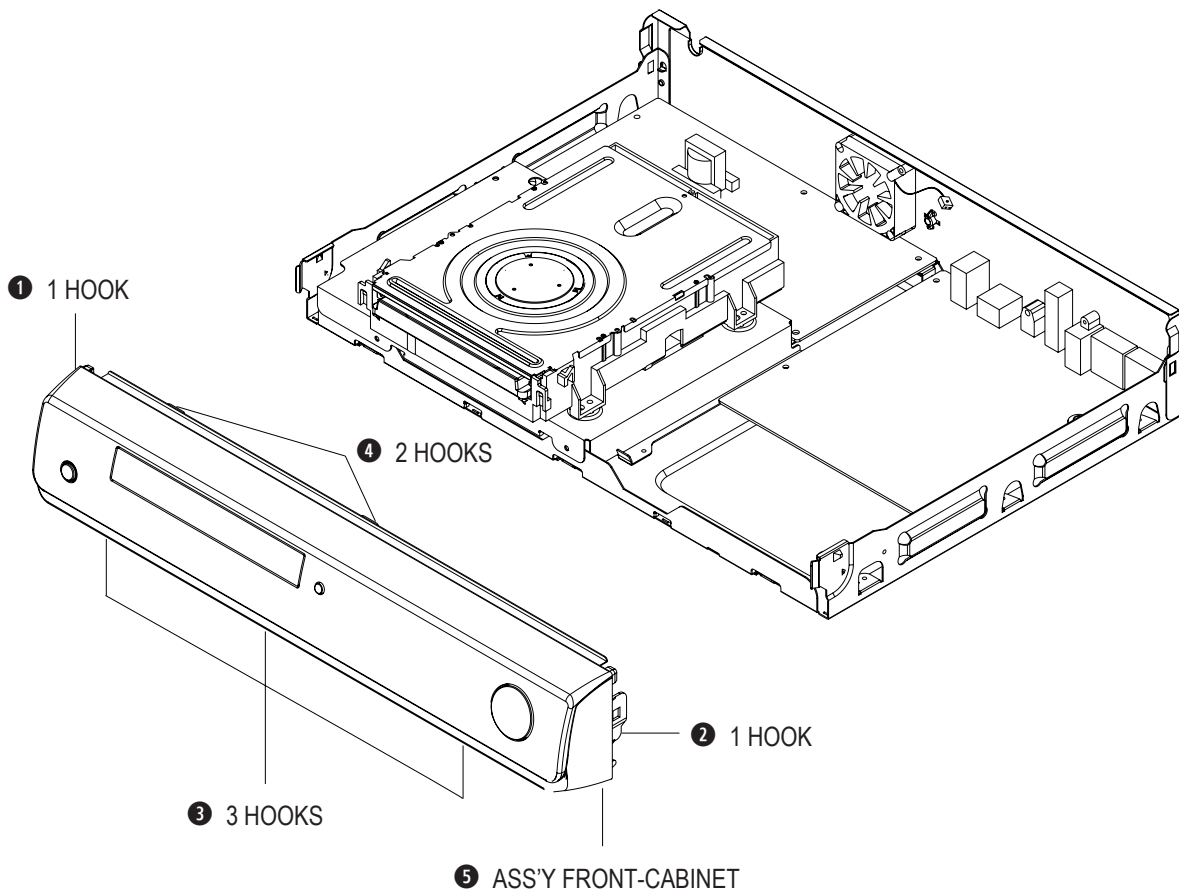


Fig. 3-2 Ass'y Front-Cabinet Removal

3-1-3 Ass'y Deck Removal

1) Remove 4 Screws ① from the Ass'y Deck ② and lift it up.

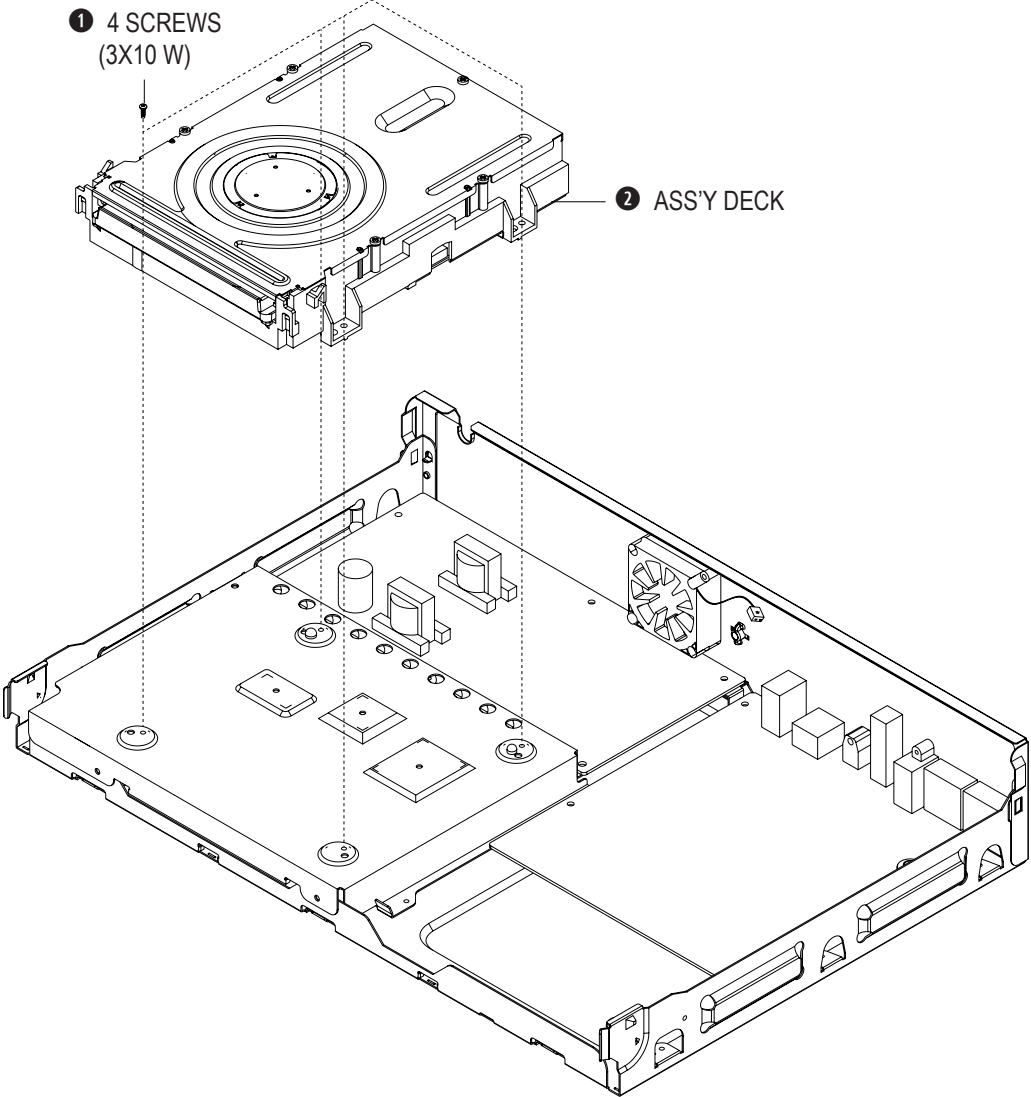


Fig. 3-3 Ass'y Deck Removal

3-1-4 S.M.P.S PCB Removal

1) Remove 4 Screws ❶, from the S.M.P.S PCB ❷ and lift it up.

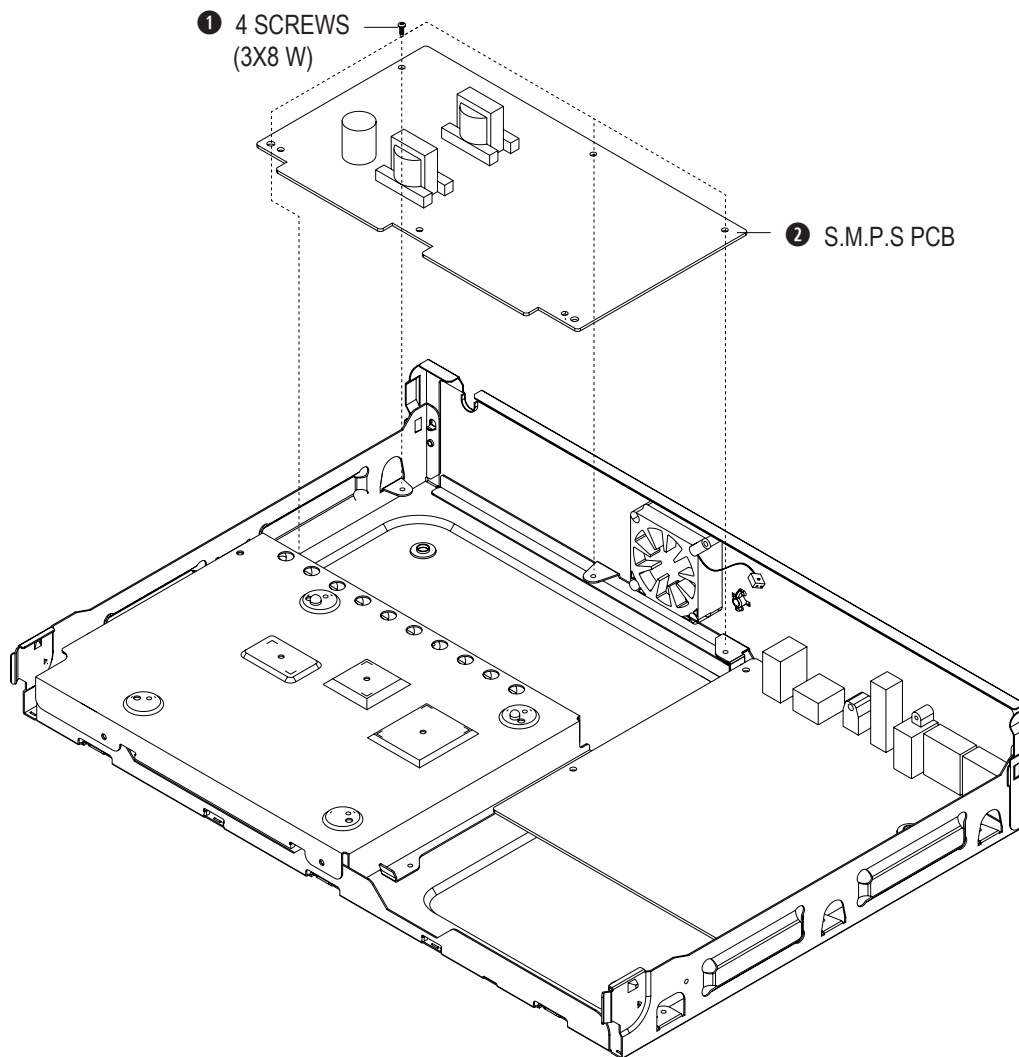


Fig. 3-4 S.M.P.S PCB Removal

3-1-5 Main PCB Removal

1) Remove 10 Screws ①, ②, ③ from the Main PCB ④ and lift it up.

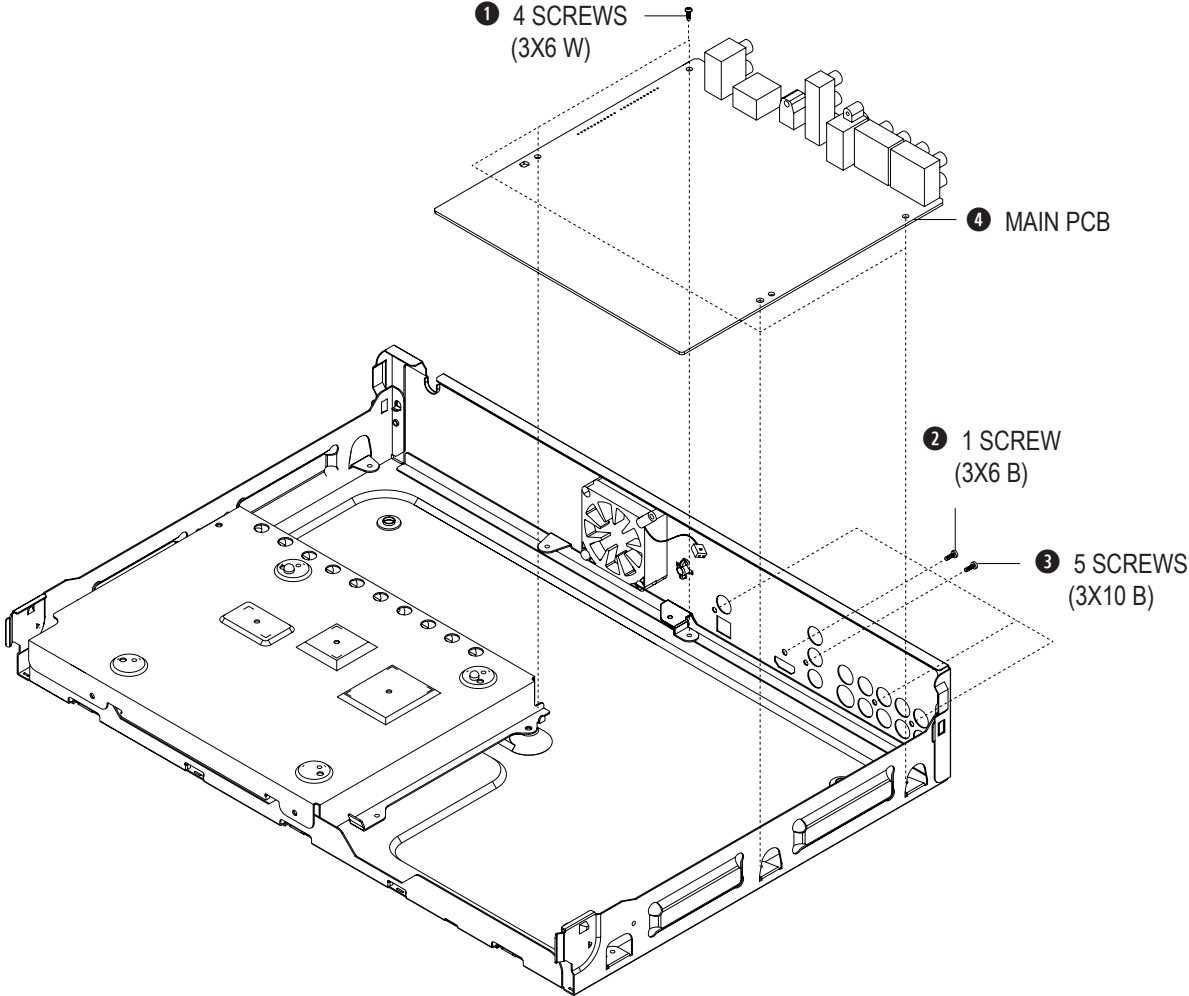


Fig. 3-5 Main PCB Removal

3-1-6 FAN Removal

1) Remove 2 Screws ❶ from the Fan ❷ and lift it up.

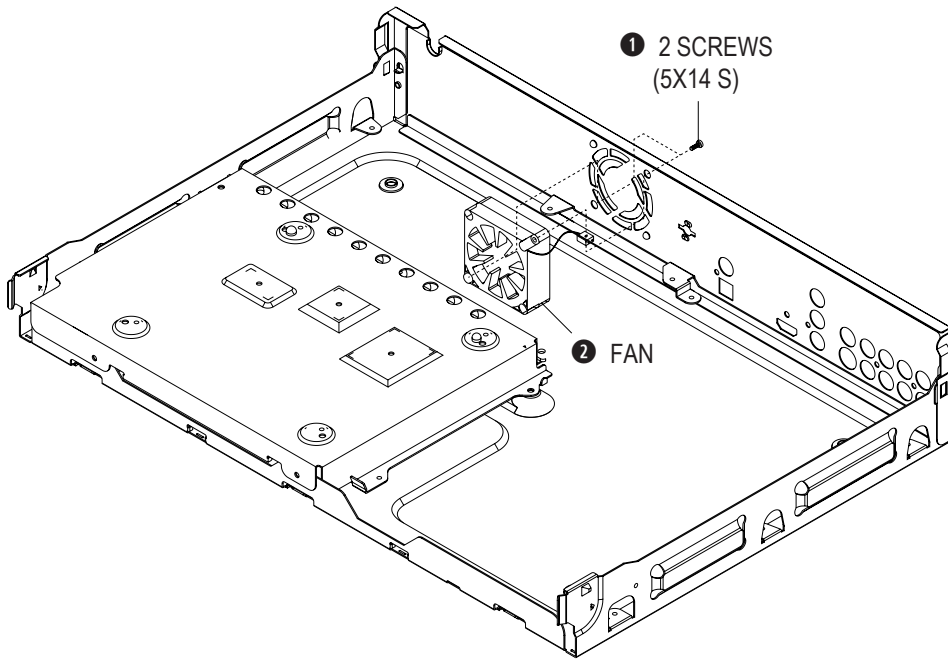


Fig. 3-6 FAN Removal

3-2 PCB Location

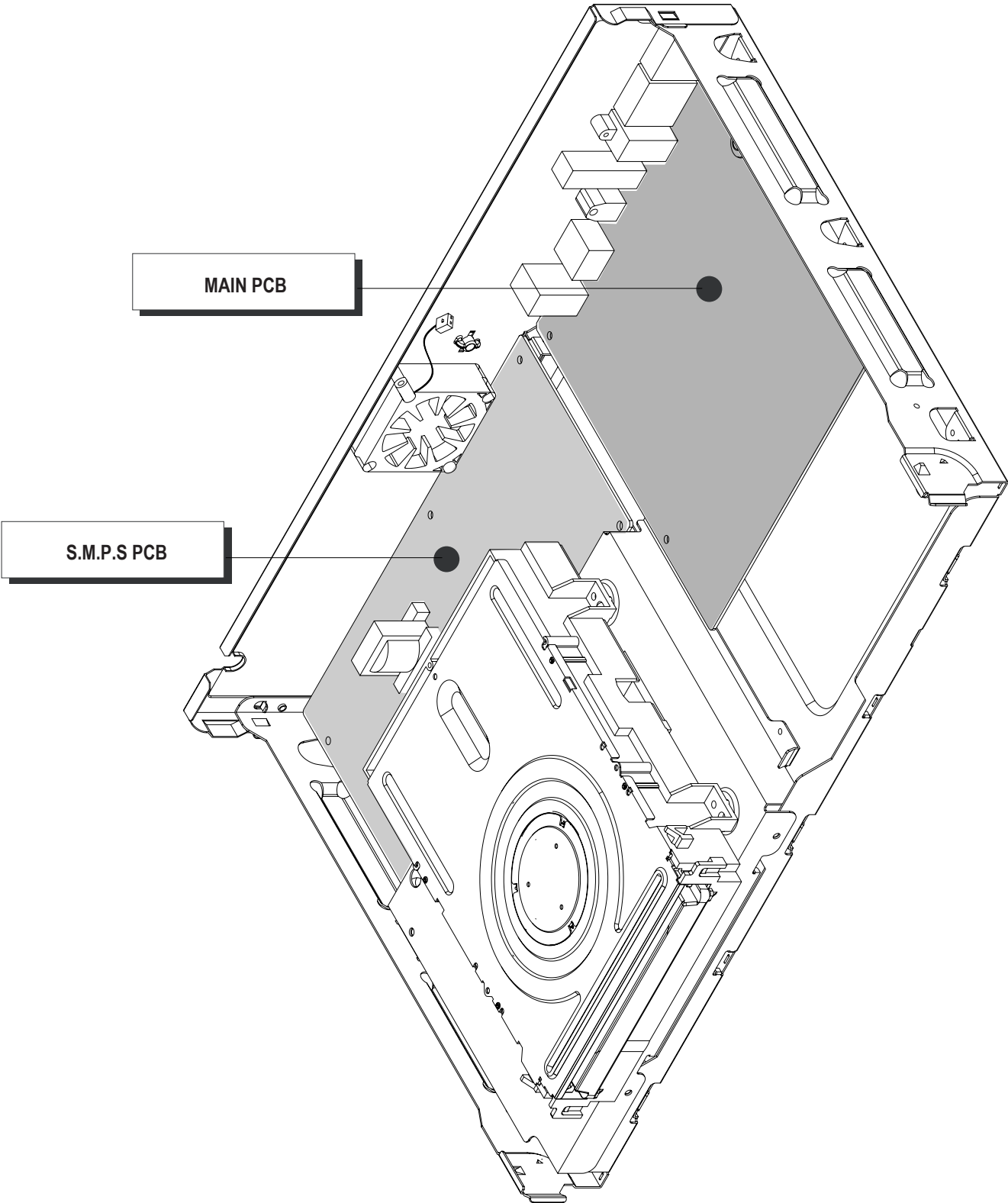


Fig. 3-7 PCB Location

M E M O

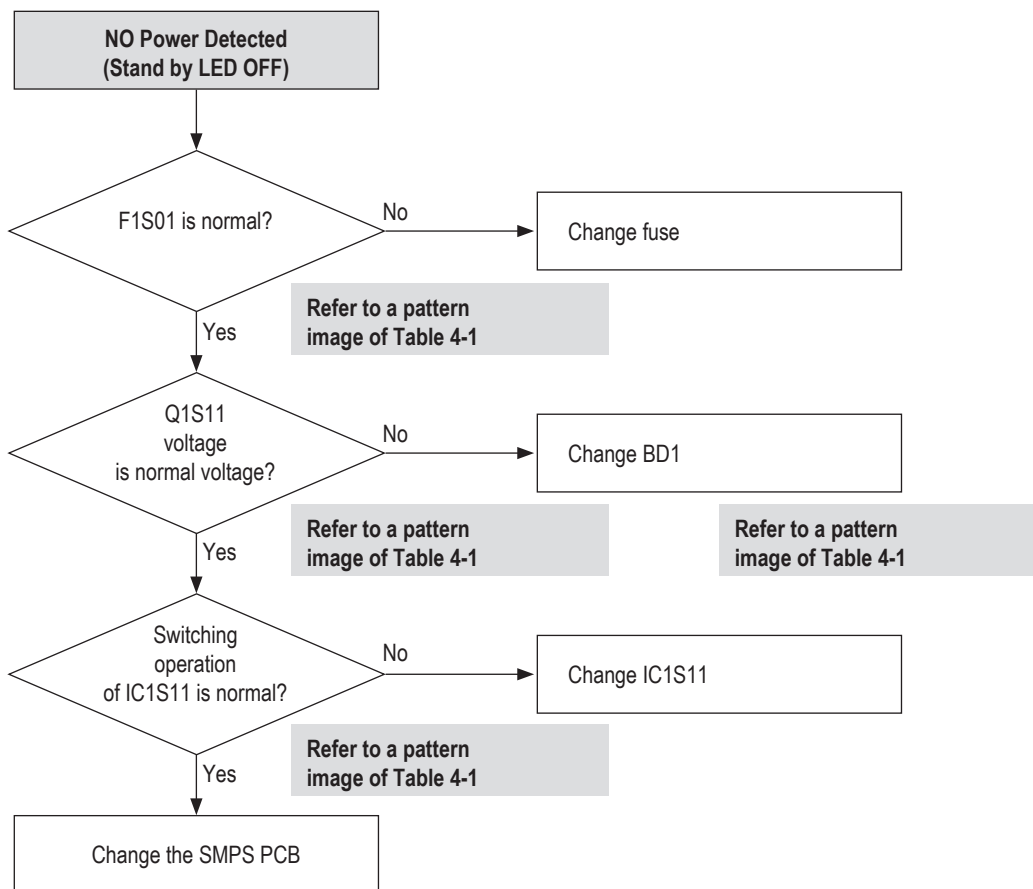
4. Trouble Shooting

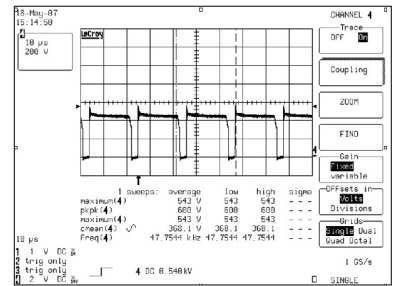
4-1 Trouble Shooting ----- 4-2

4-2 Software Update----- 4-24

4-3 Firmware Upgrade ----- 4-26

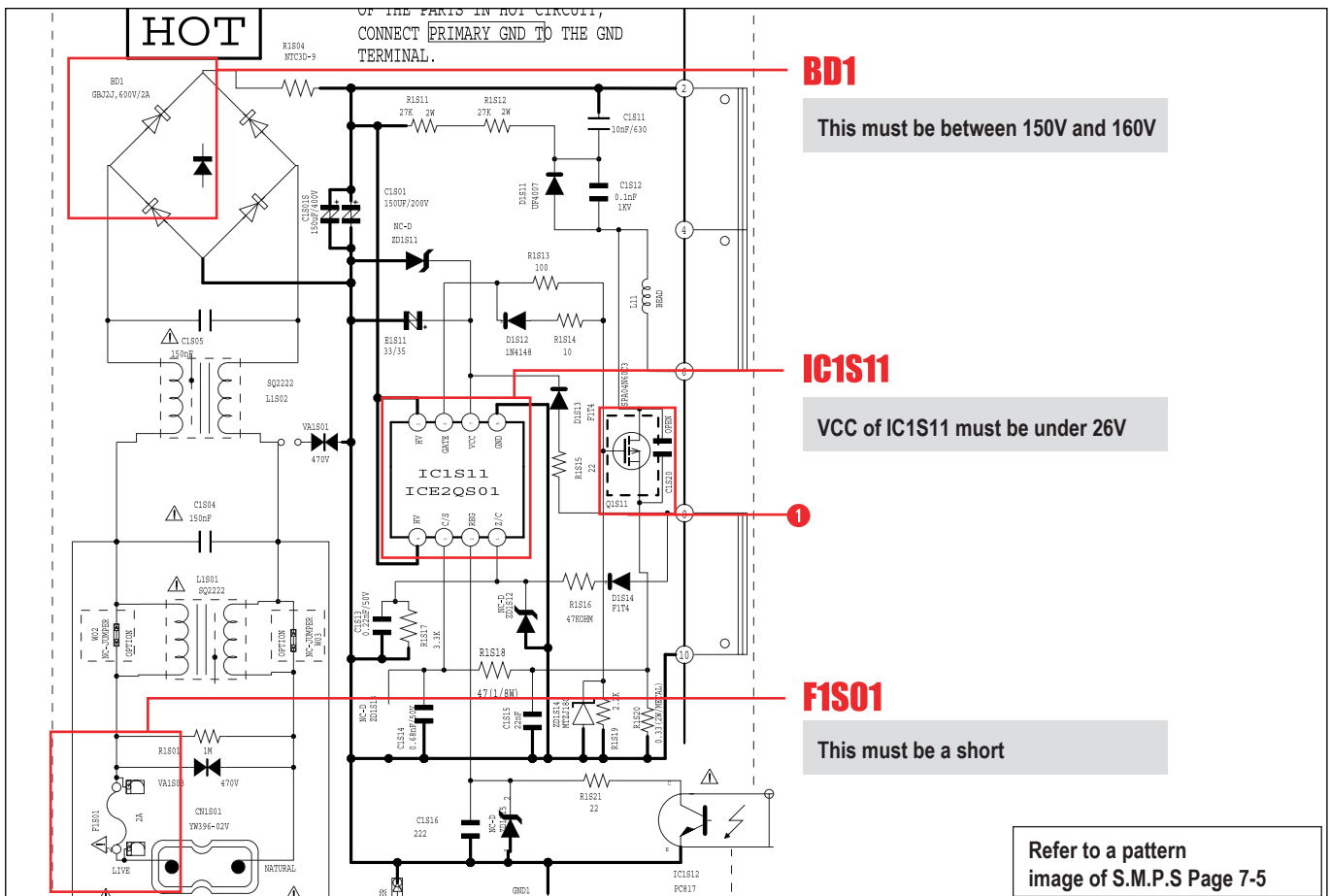
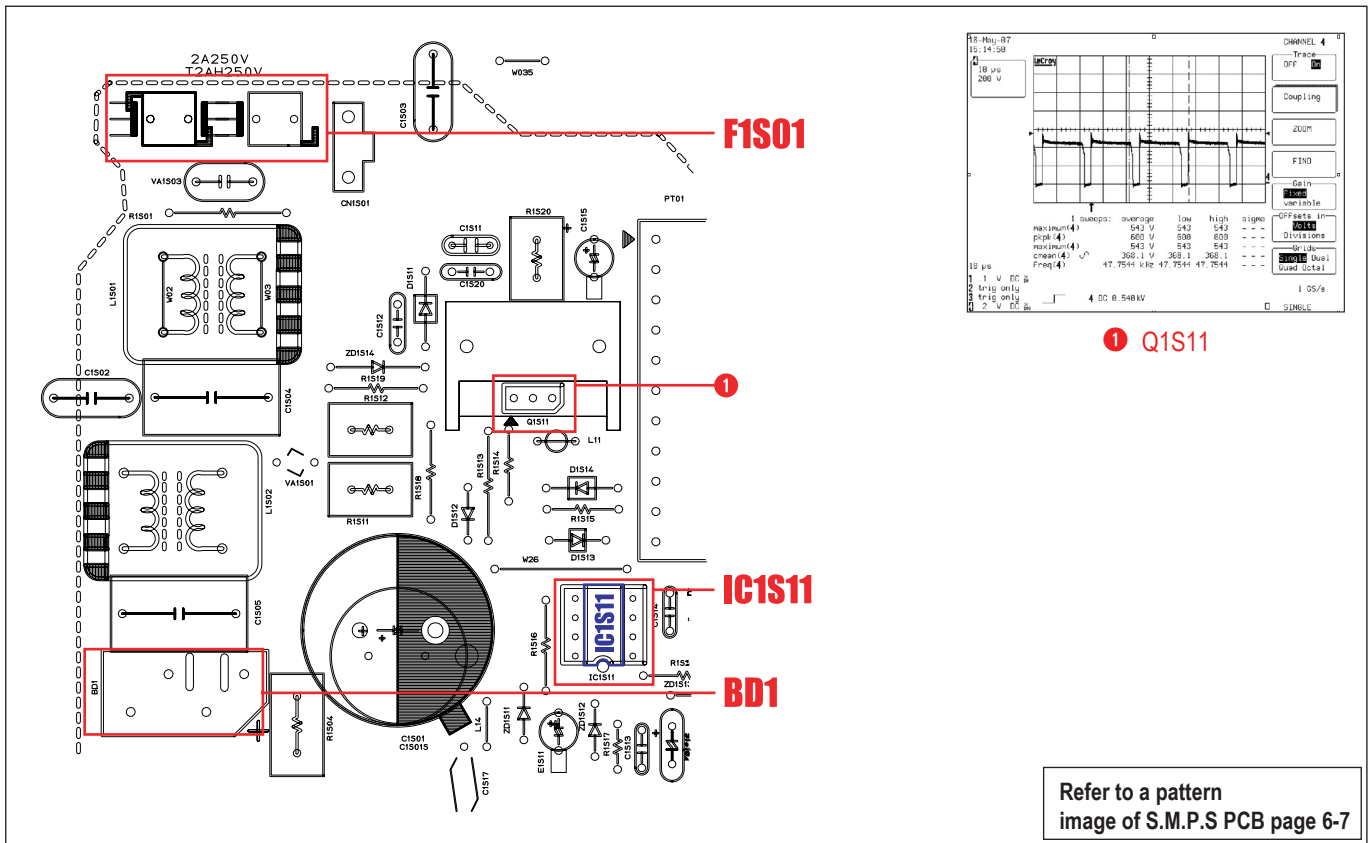
4-1 Trouble Shooting





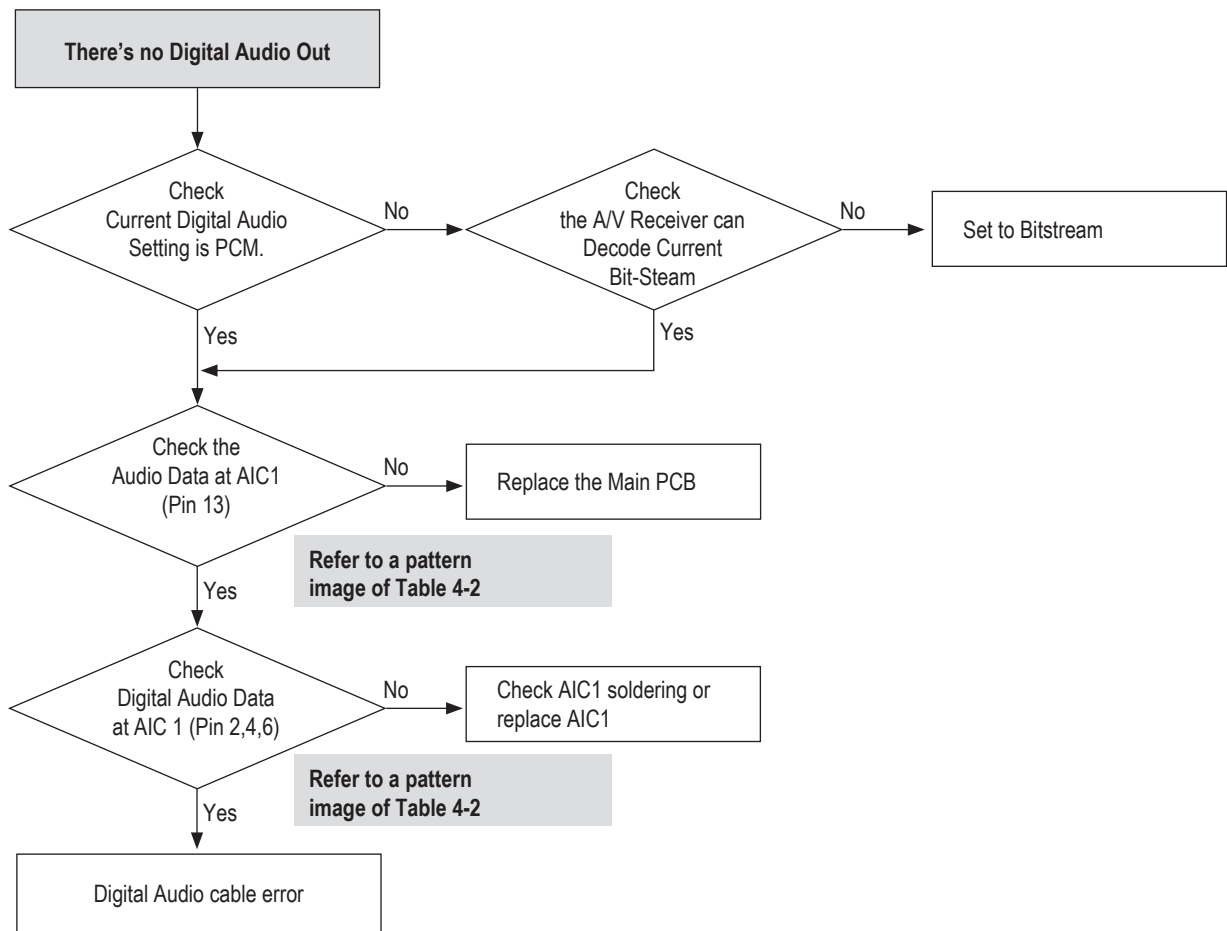
① Q1S11

Refer to a pattern image of S.M.P.S PCB page 6-7



Refer to a pattern image of S.M.P.S Page 7-5

Fig. 4-1



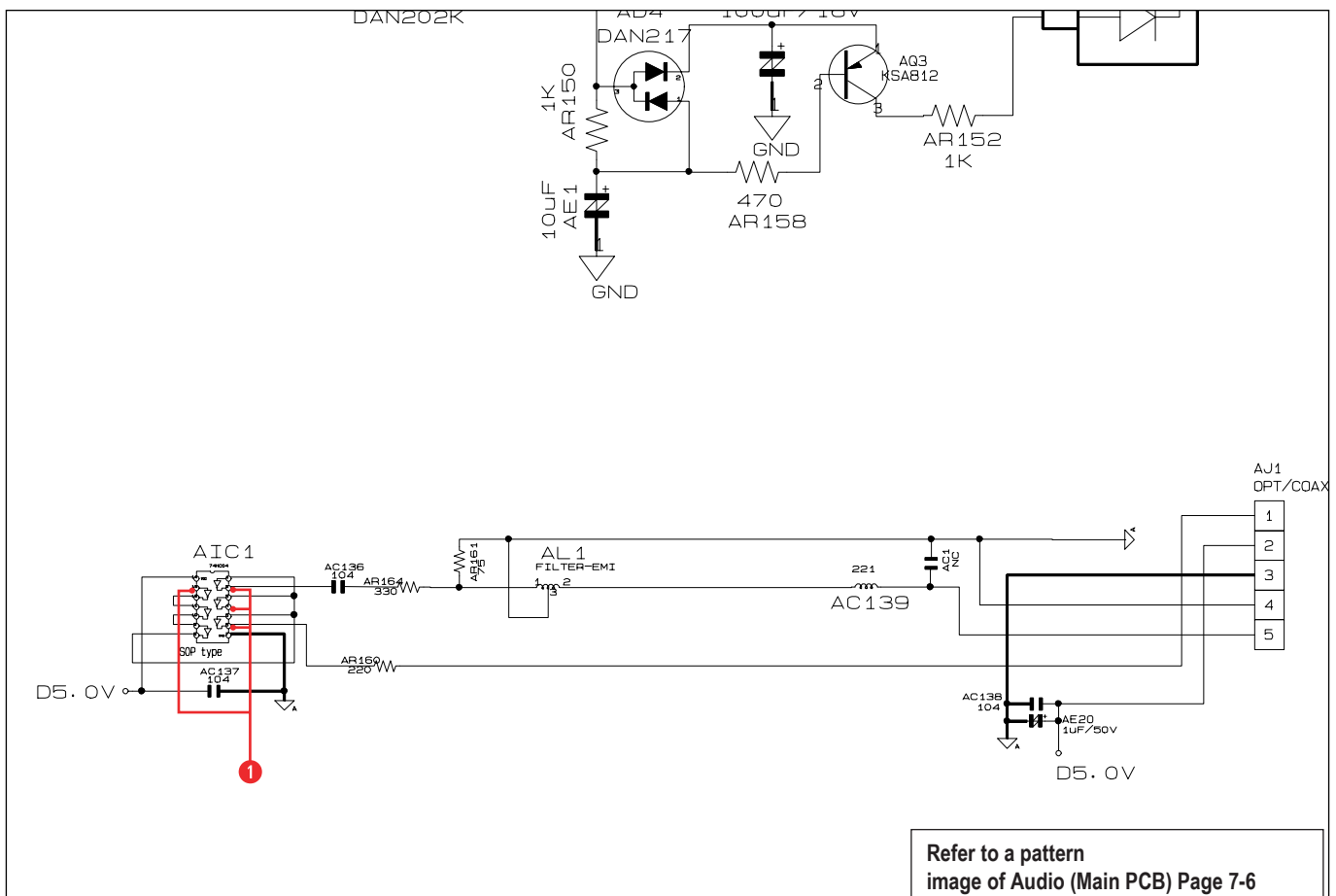
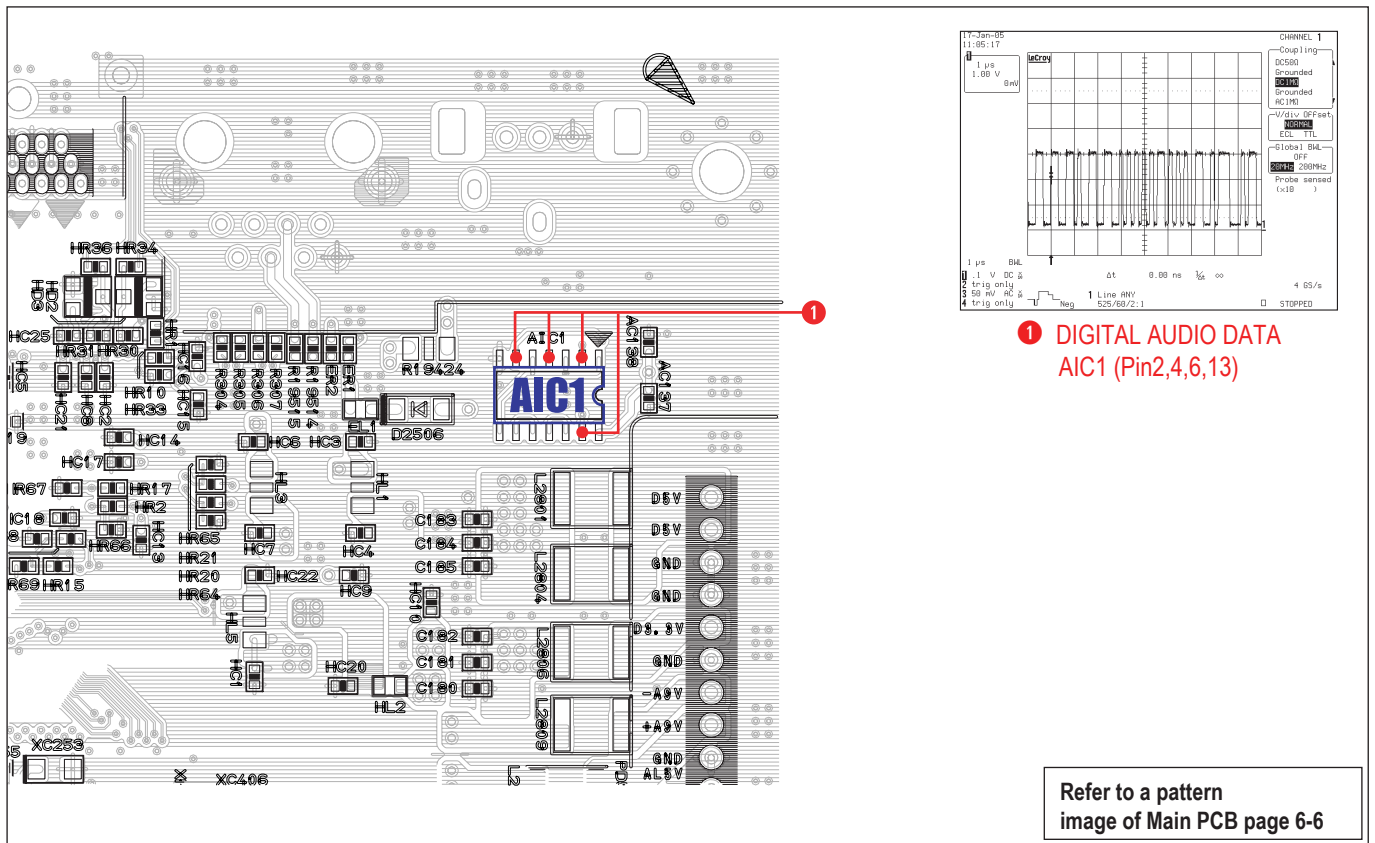
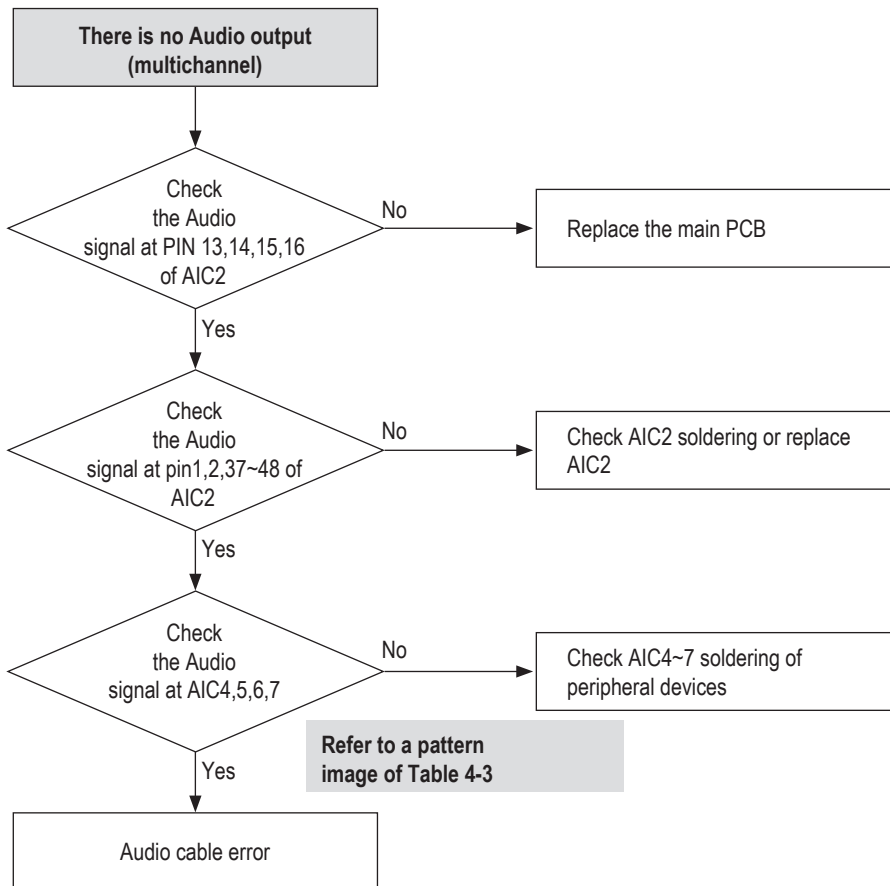
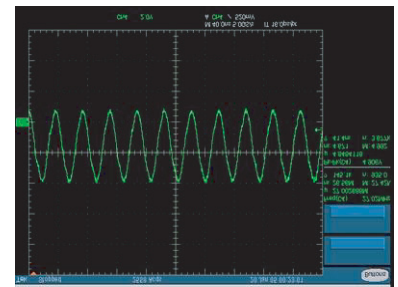


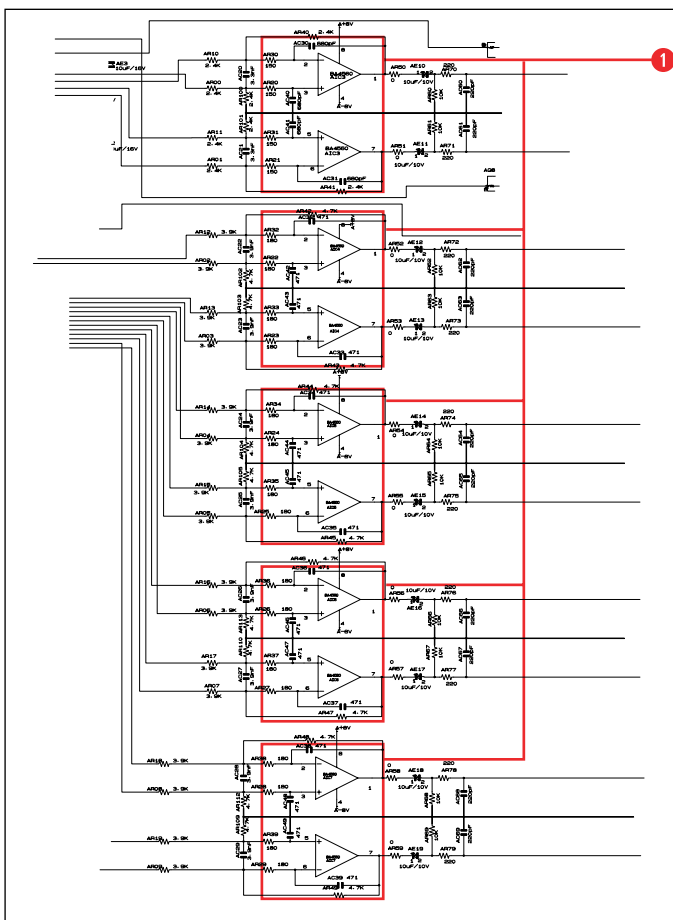
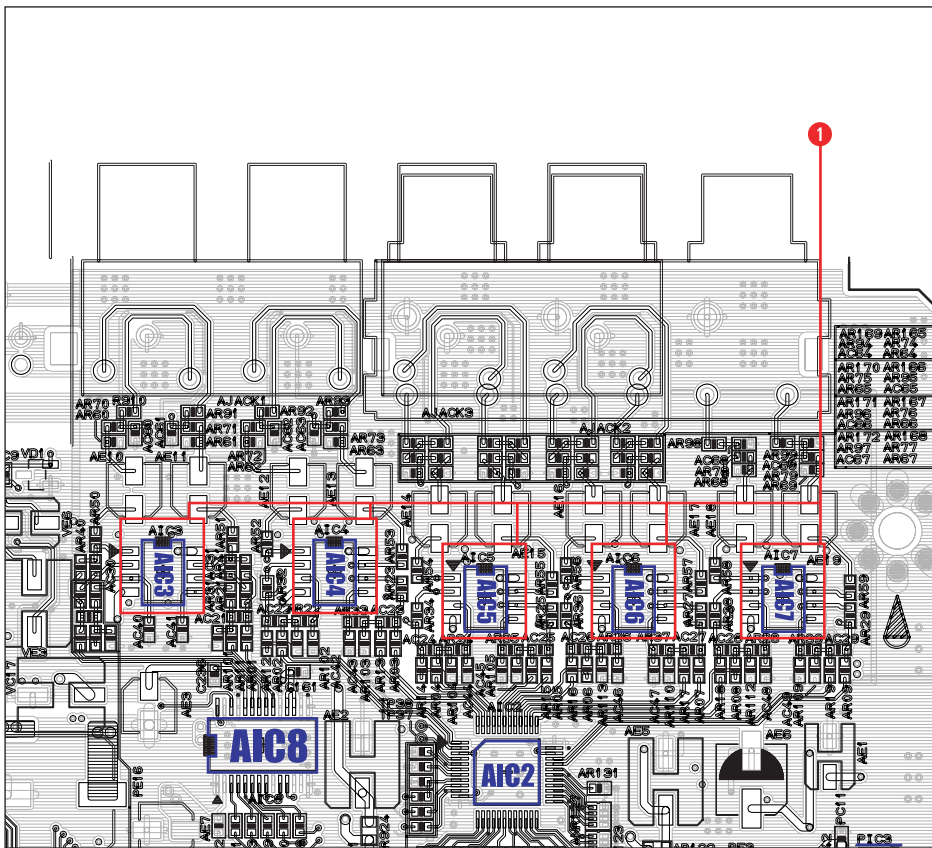
Fig. 4-2





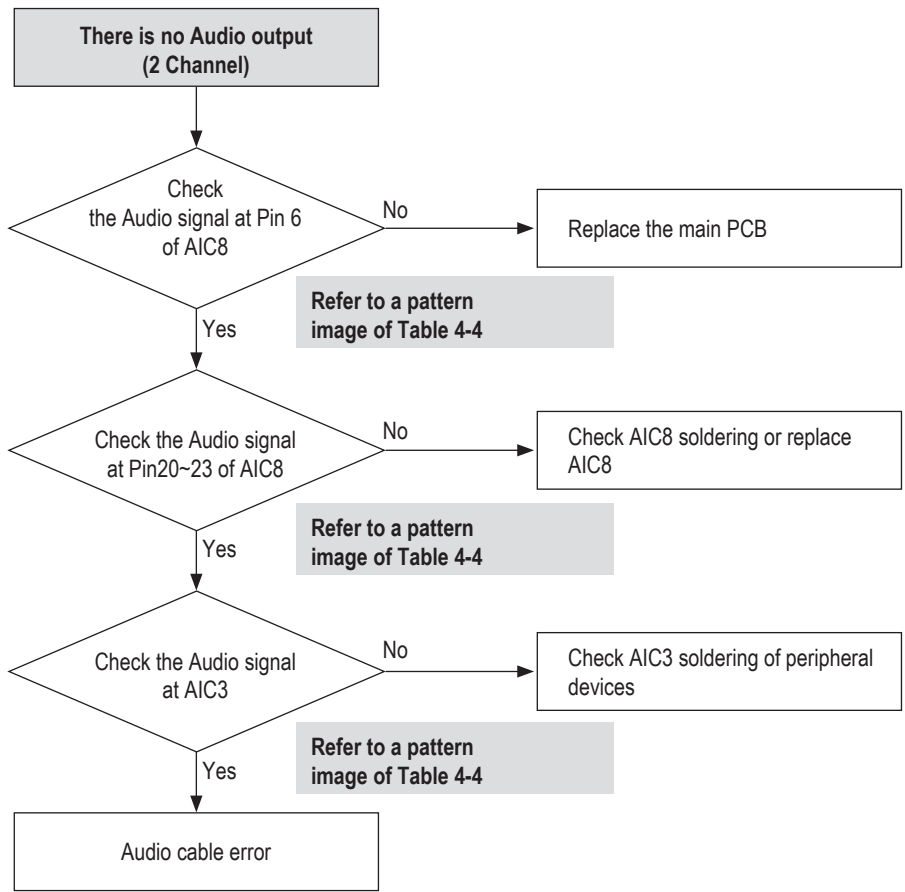
① ANALOG AUDIO DATA(AIC3,4,5,6,7)

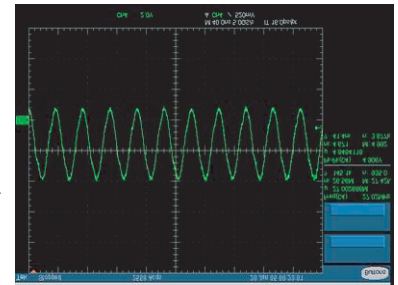
Refer to a pattern image of Main PCB page 6-4



Refer to a pattern image of Audio (Main PCB) Page 7-6

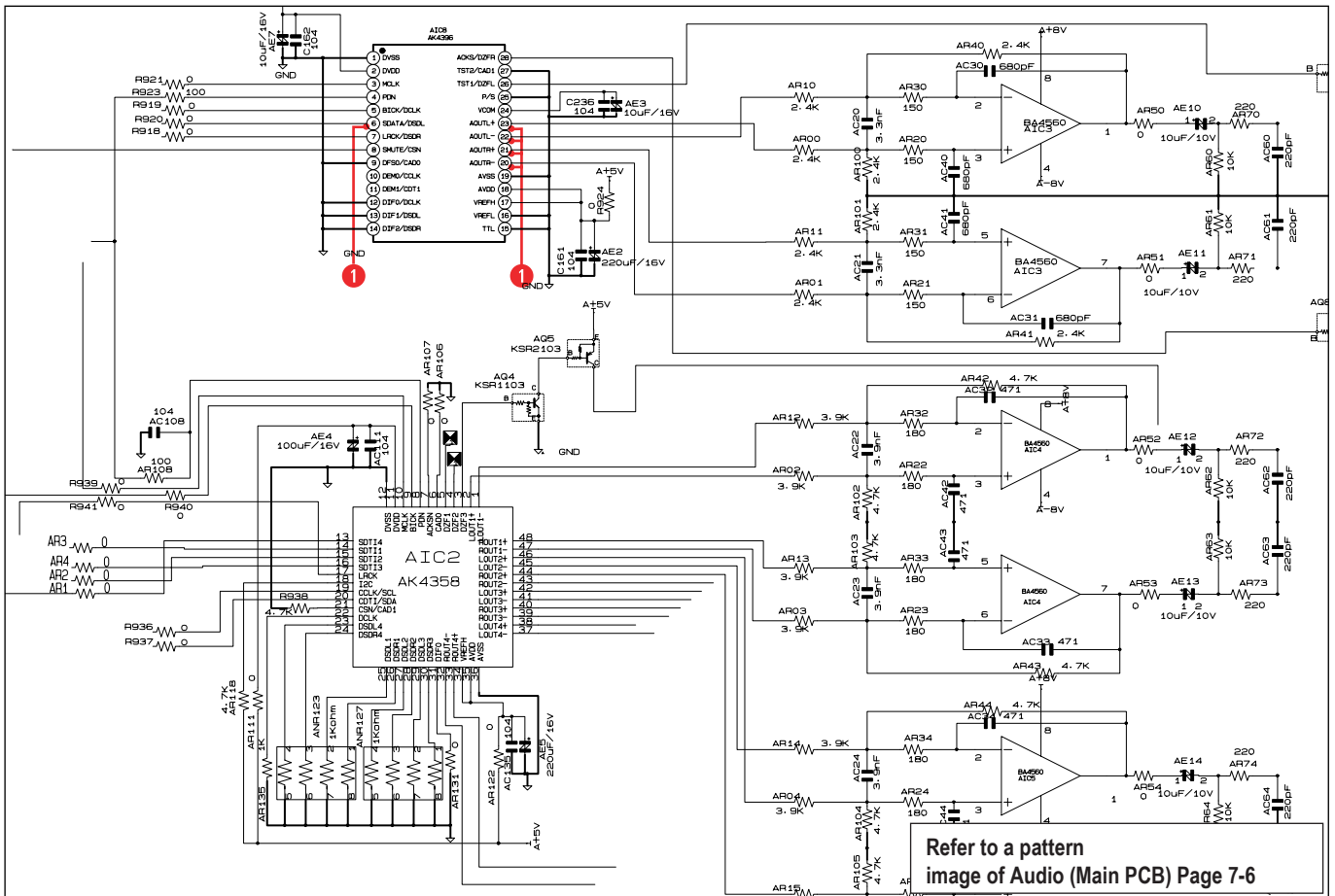
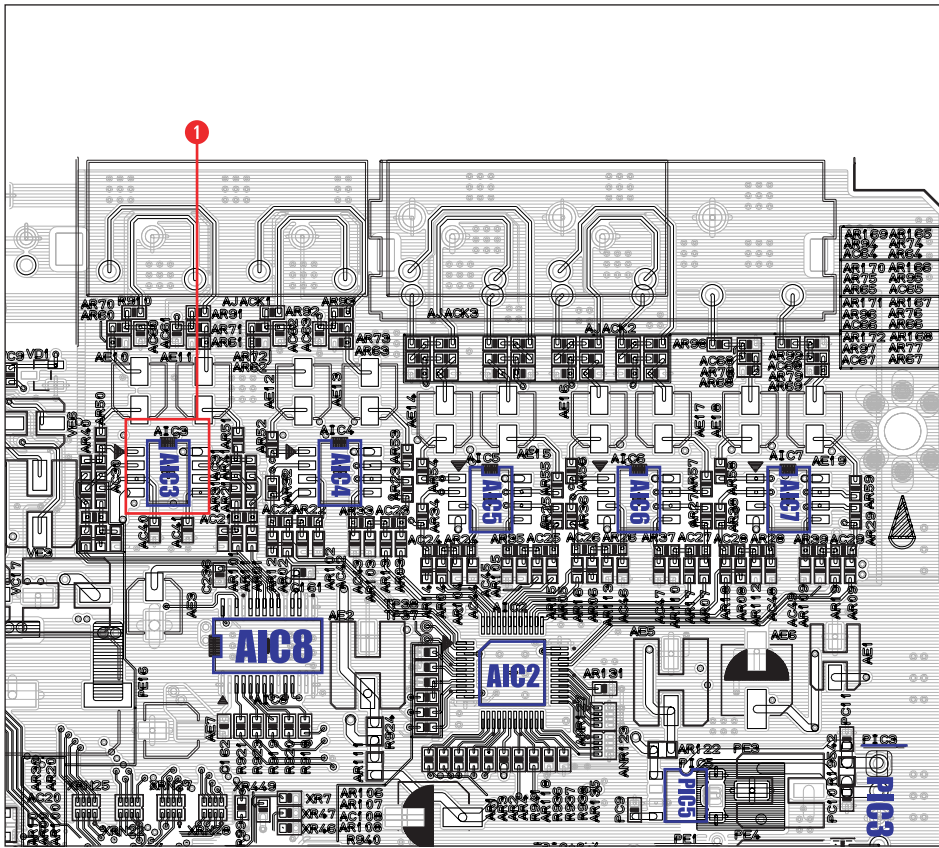
Fig. 4-3





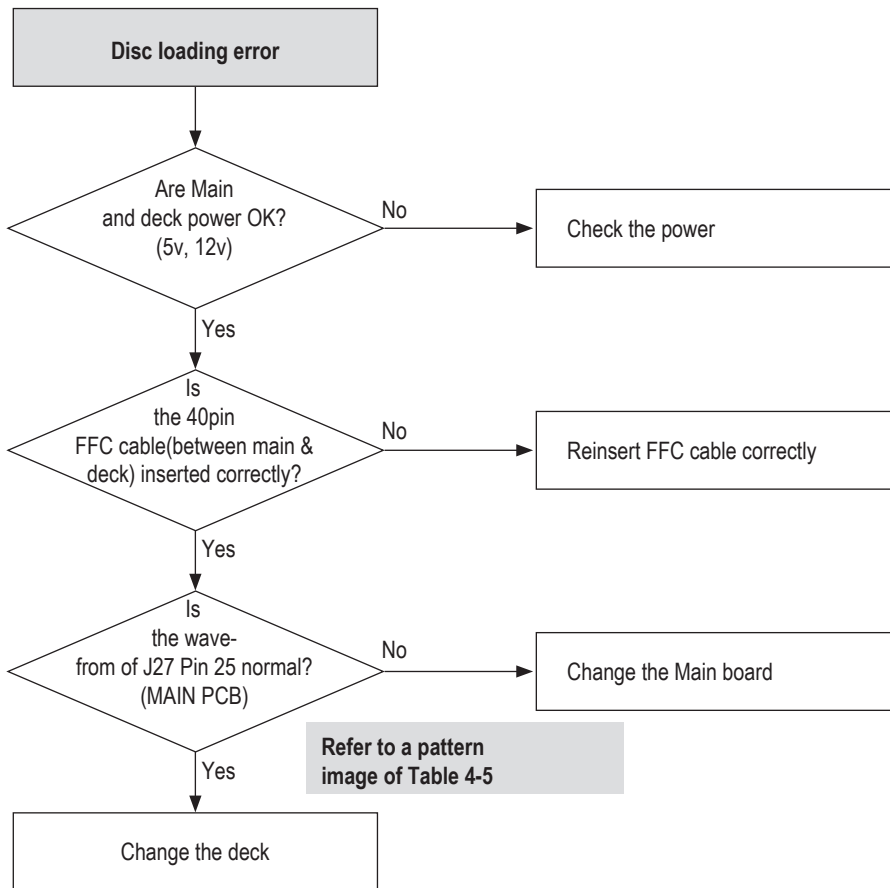
① ANALOG AUDIO DATA
AIC3, AIC8 (Pin6, Pin20-23)

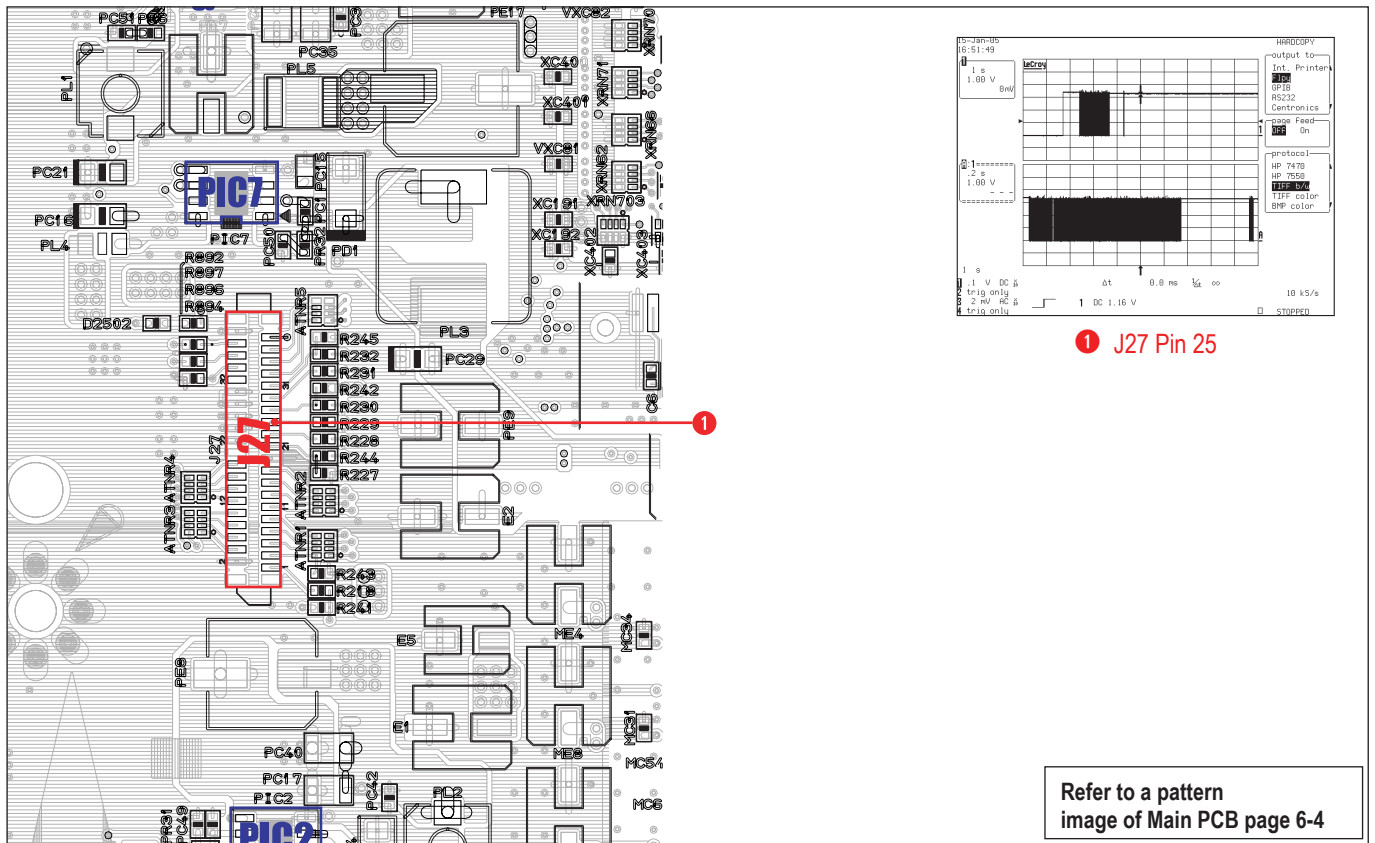
Refer to a pattern
image of Main PCB page 6-4



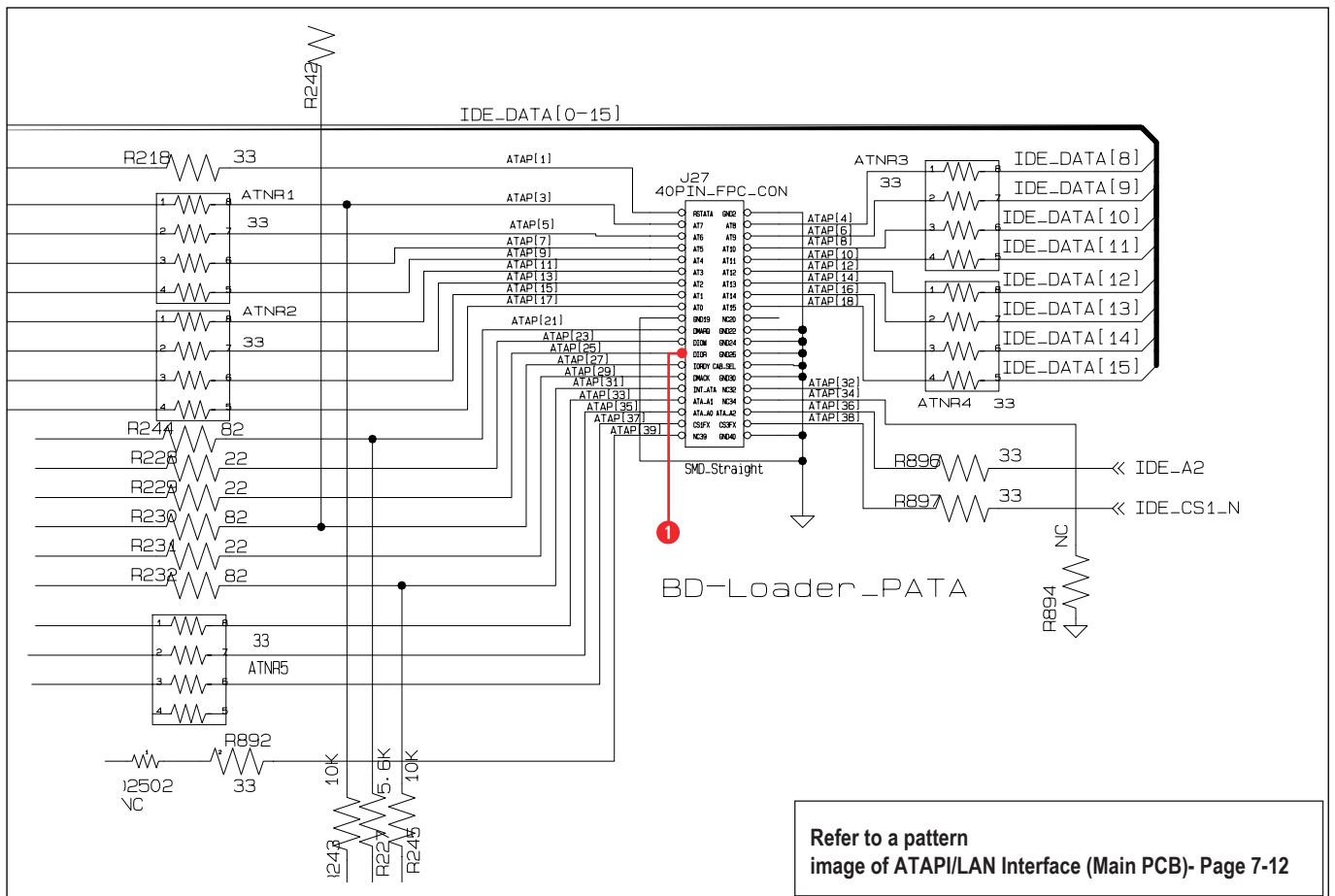
Refer to a pattern
image of Audio (Main PCB) Page 7-6

Fig. 4-4



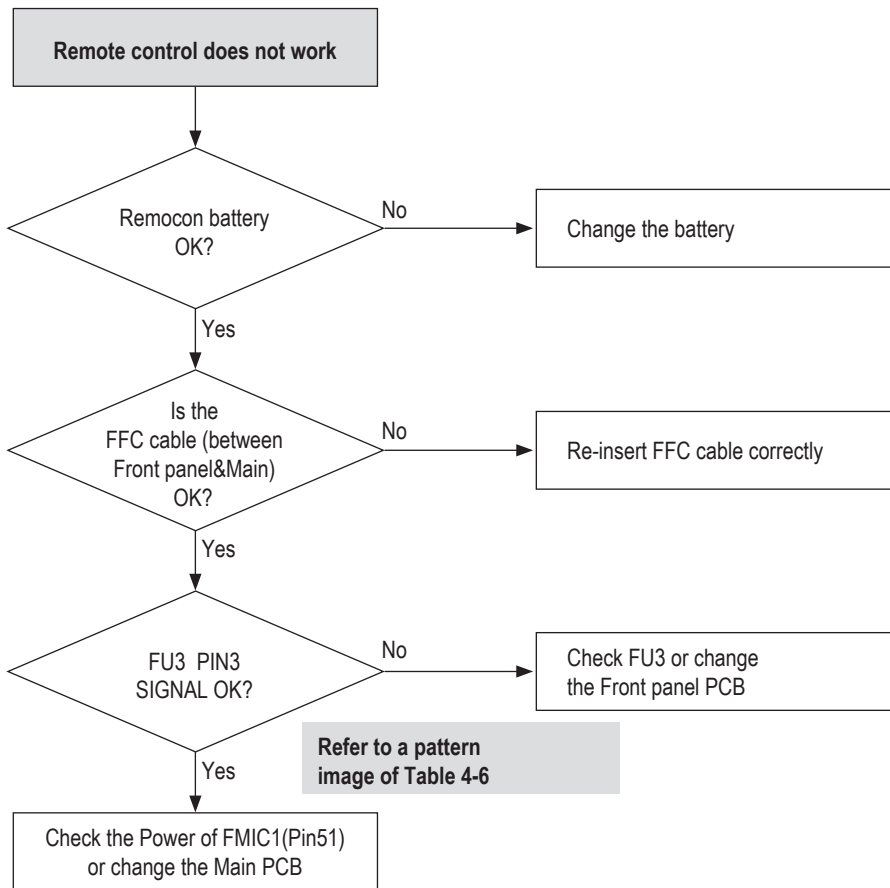


Refer to a pattern image of Main PCB page 6-4



Refer to a pattern image of ATAPI/LAN Interface (Main PCB)- Page 7-12

Fig. 4-5



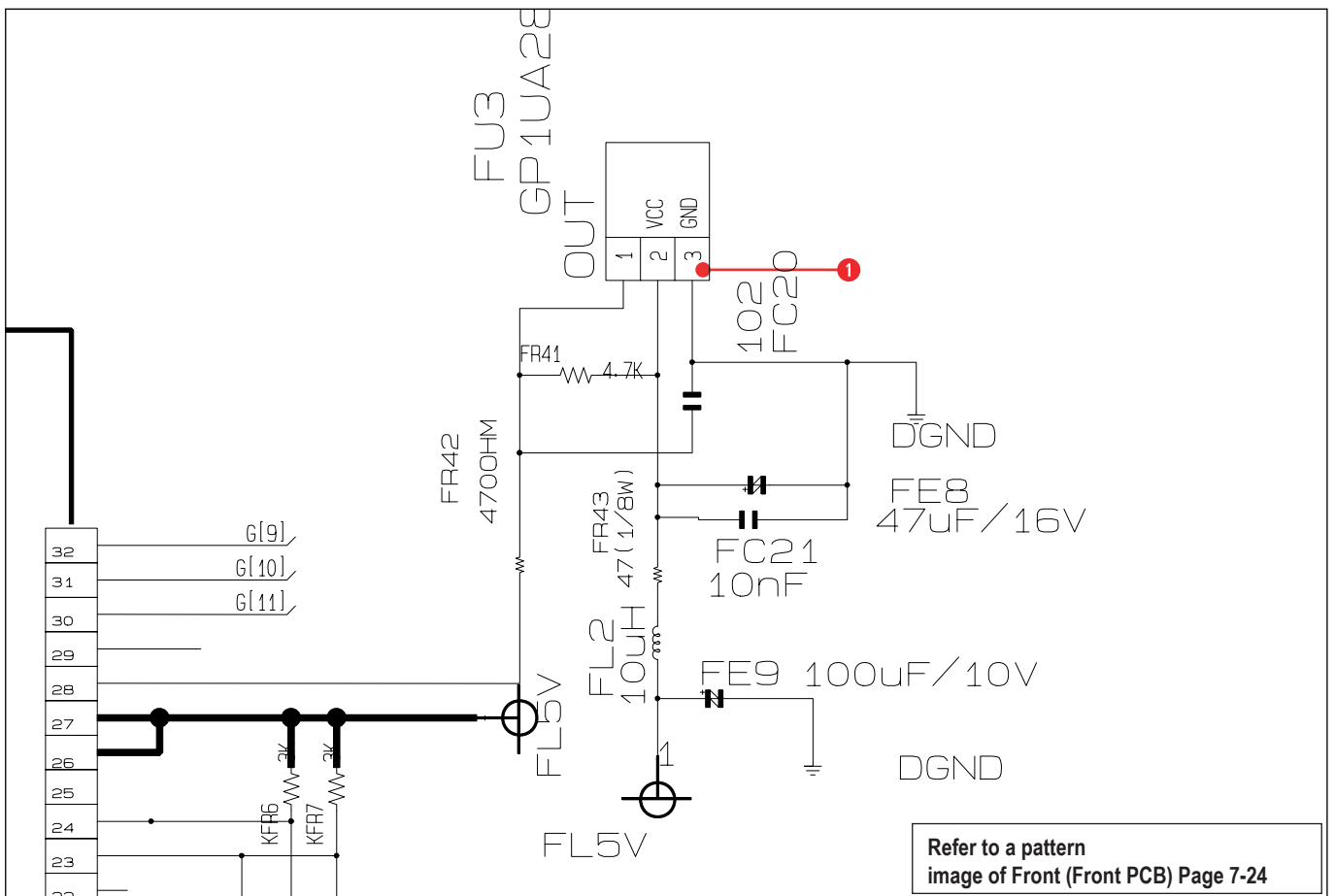
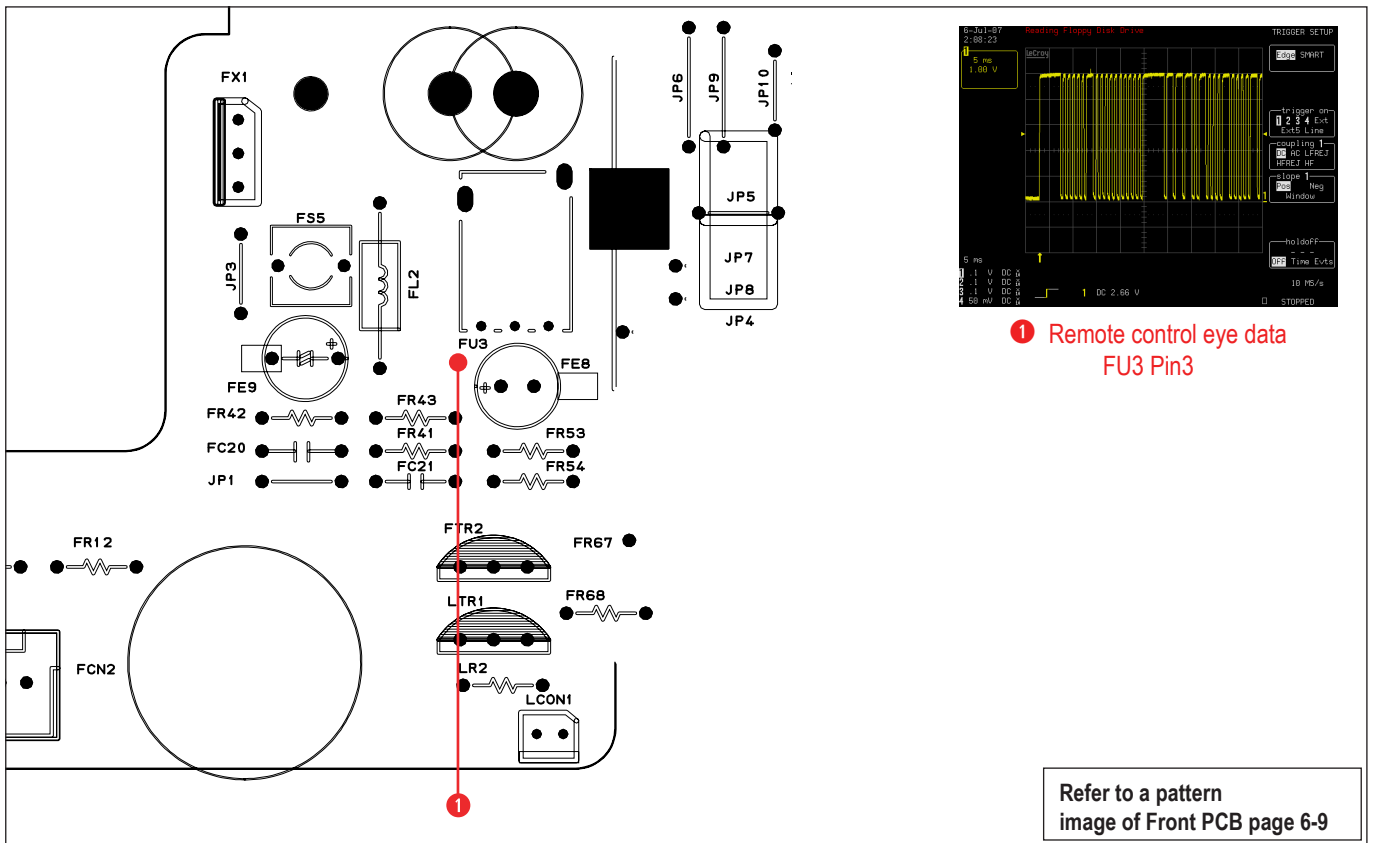
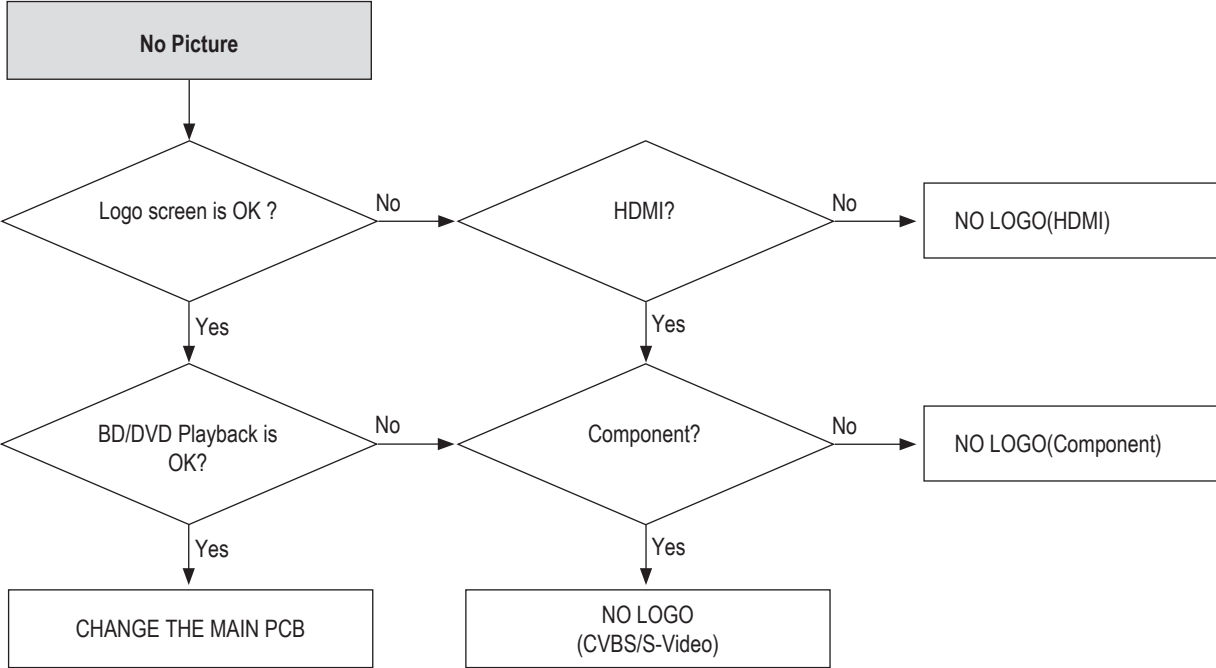
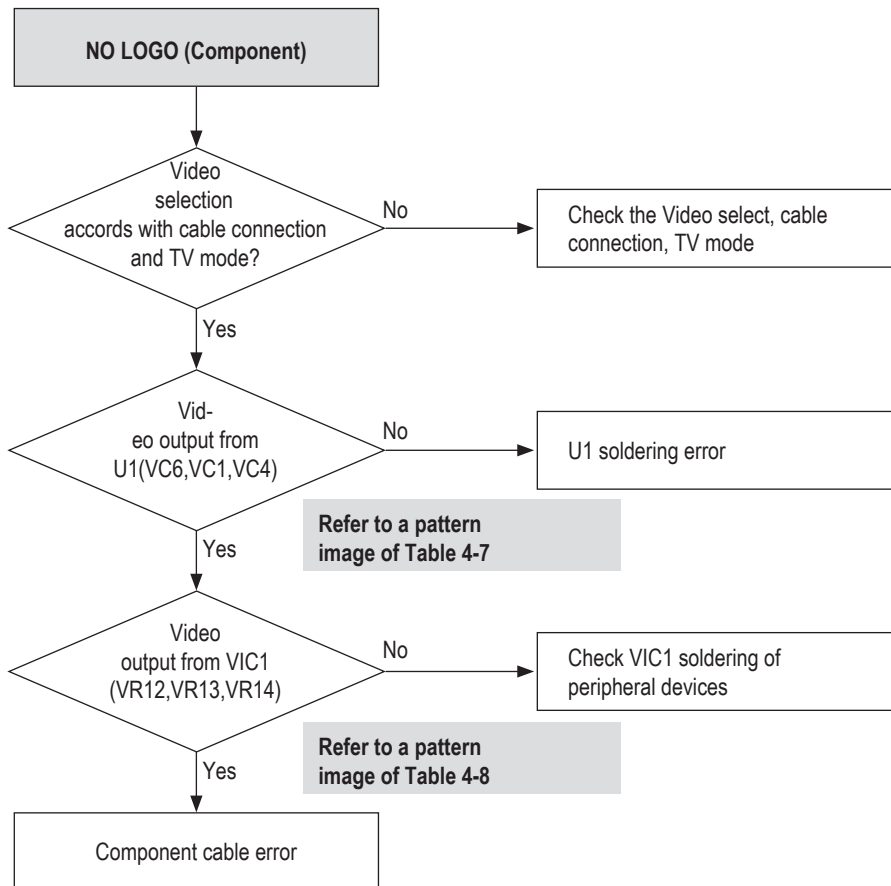
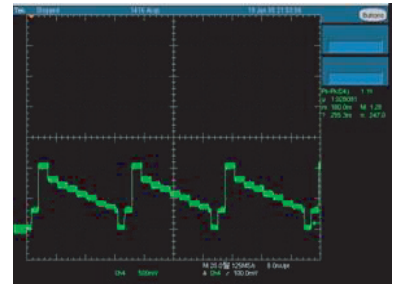
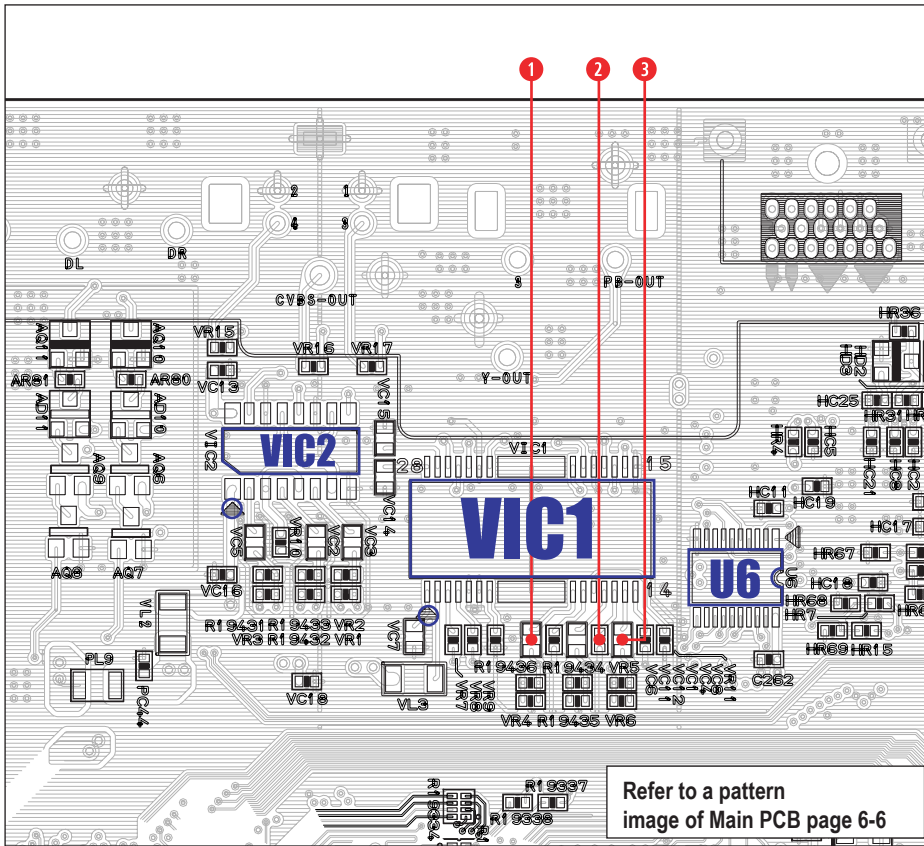


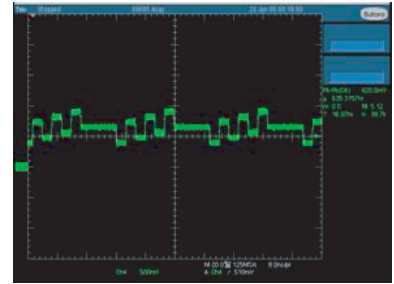
Fig. 4-6



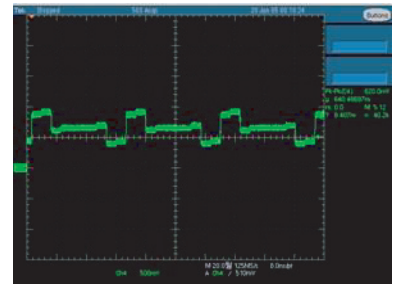




① Y(Color-bar)
Pin-VC6



② Pb(Color-bar)
Pin-VC1



③ Pr(Color-bar)
Pin-VC4

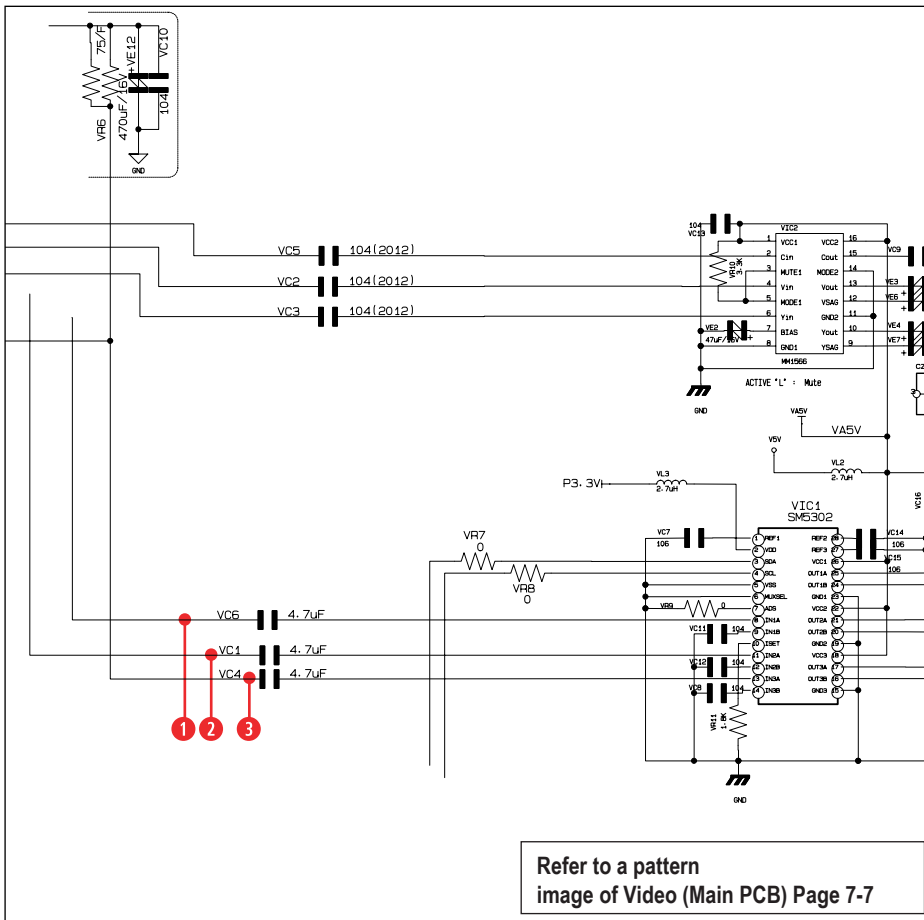
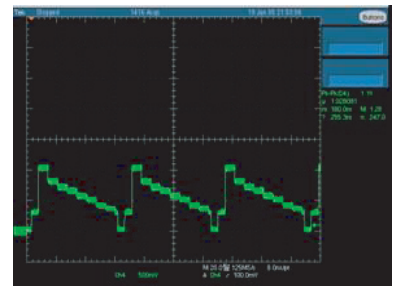
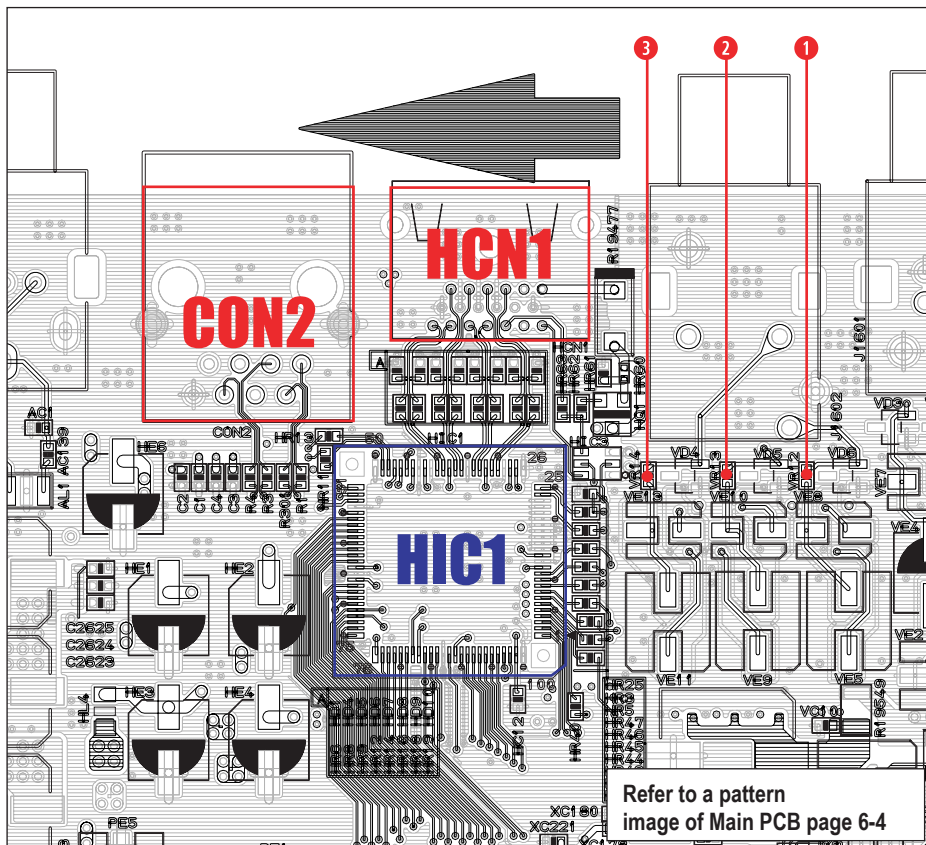
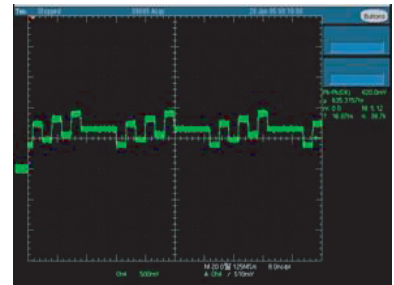


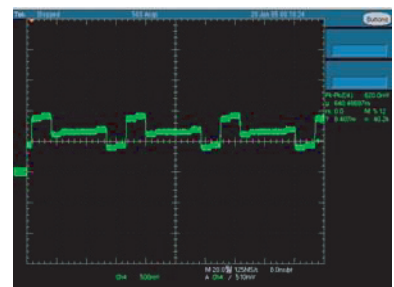
Fig. 4-7



1 Y(Color-bar)
Pin-VR12



2 Pb(Color-bar)
Pin-VR13



3 Pr(Color-bar)
Pin-VR14

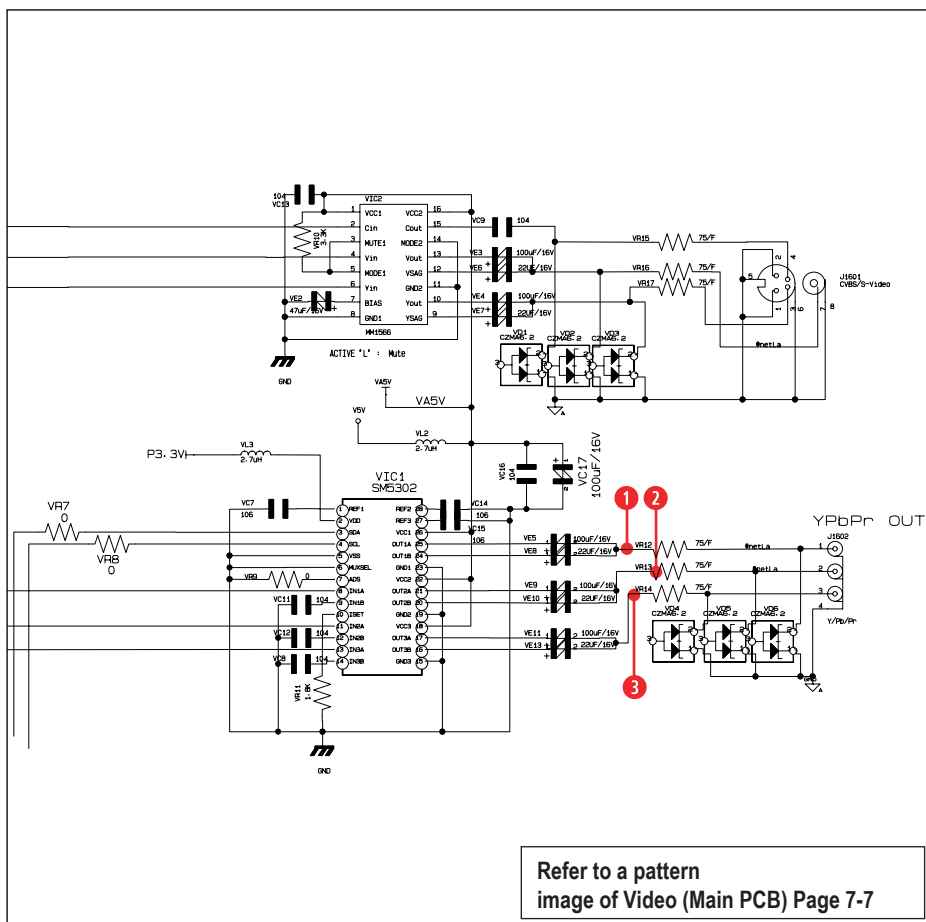
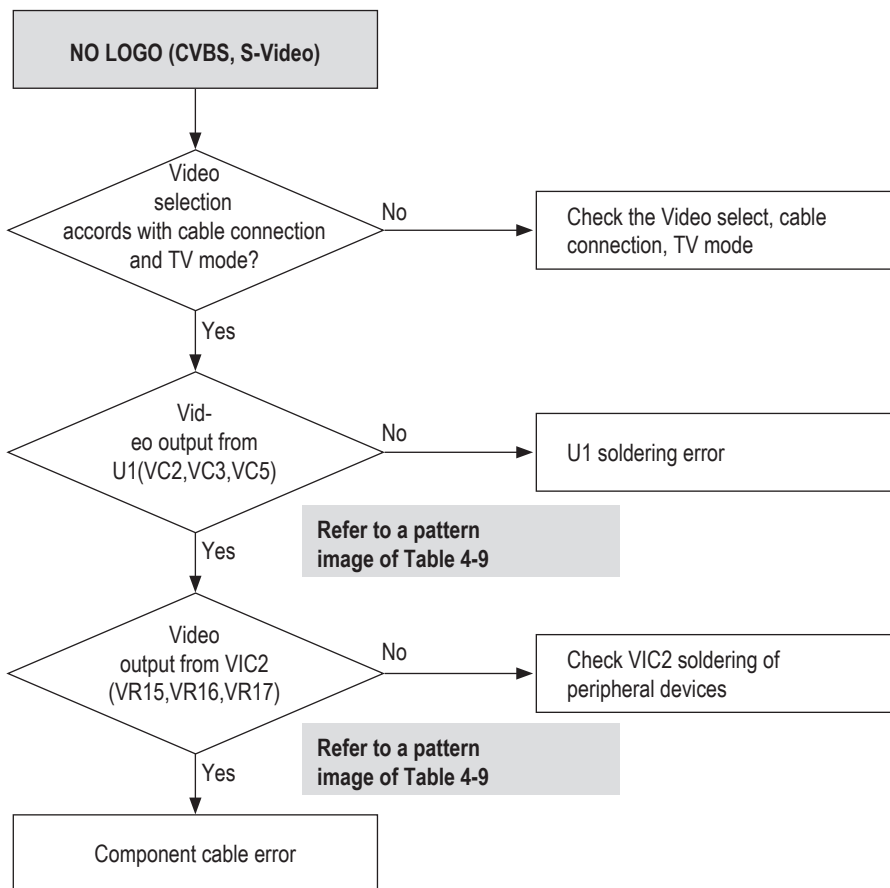
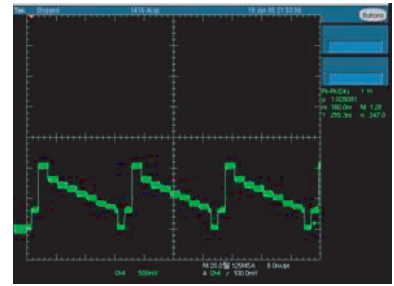
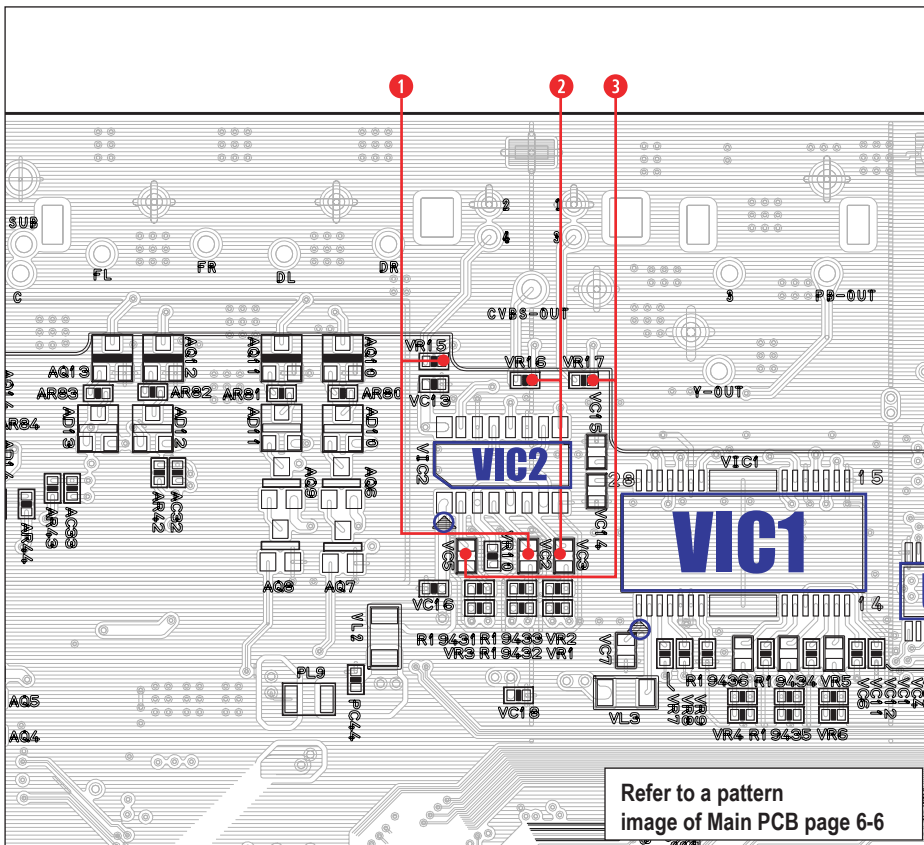
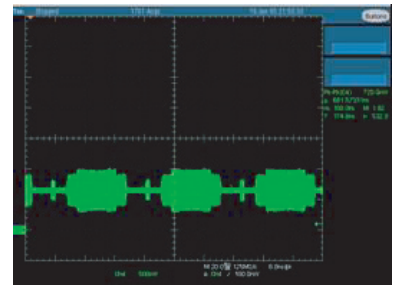


Fig. 4-8

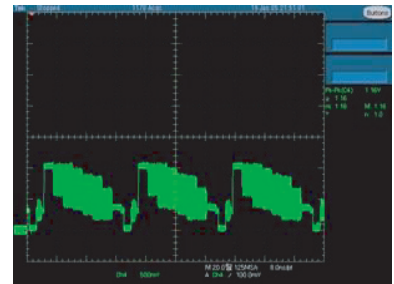




① Y(Color-bar)
Pin (U1-VC2,VIC2-VR15)



② C(Color-bar)
Pin (U1-VC3,VIC2-VR16)



③ CVBS(Color-bar)
Pin (U1-VC5,VIC2-VR17)

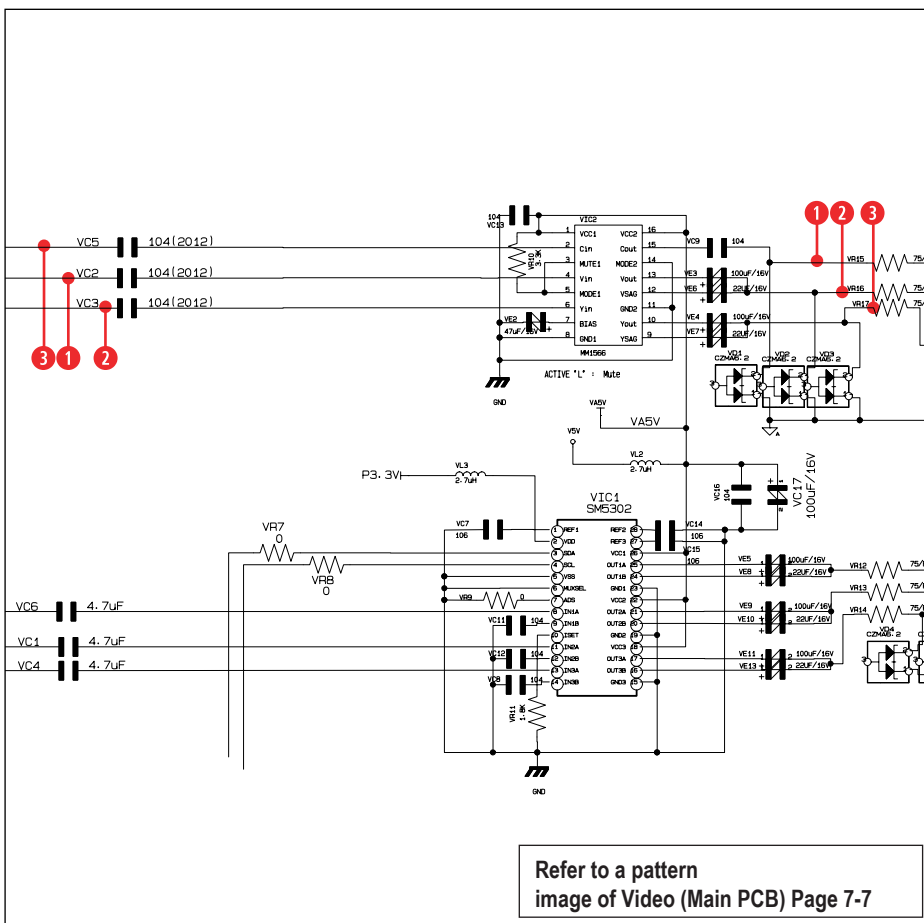
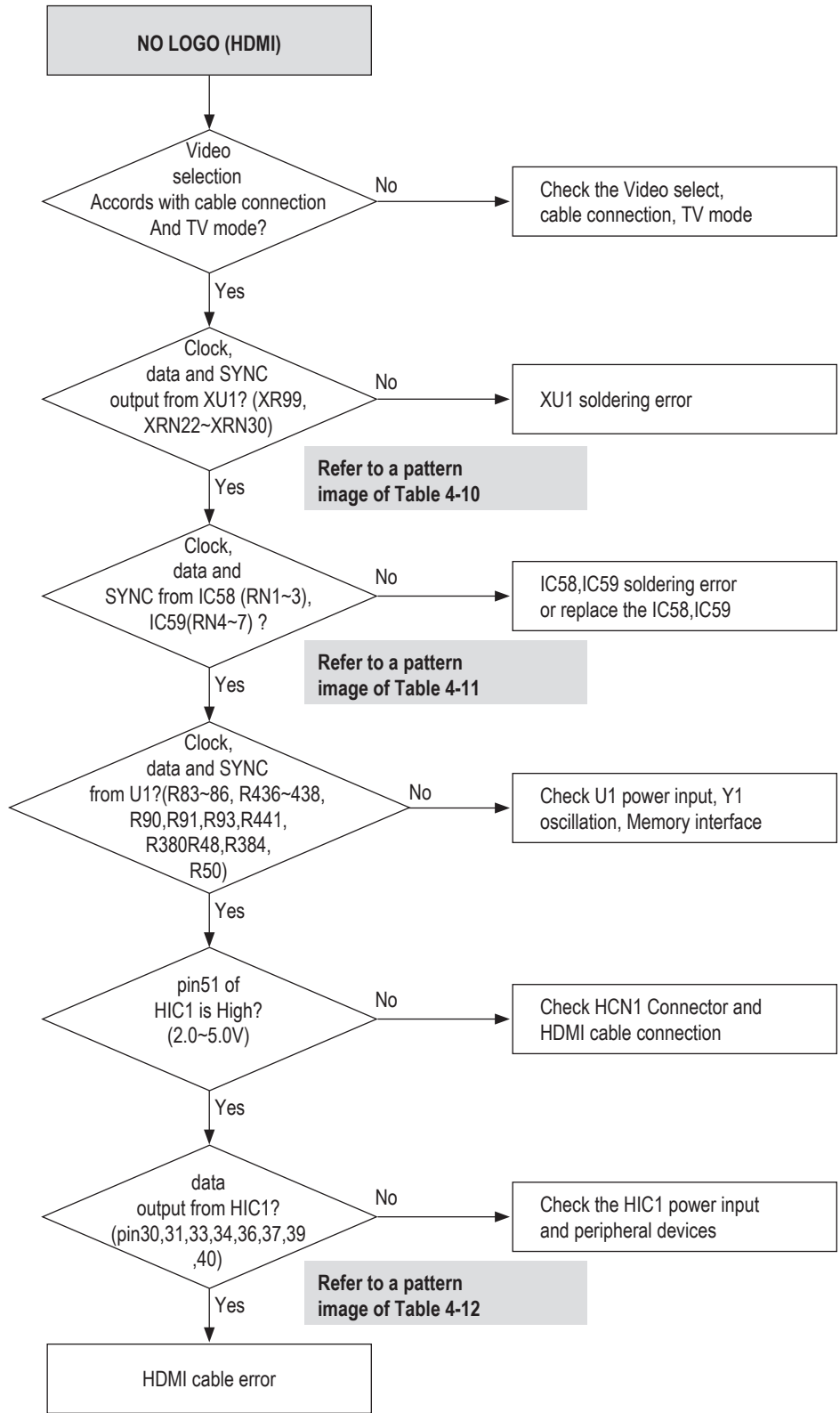
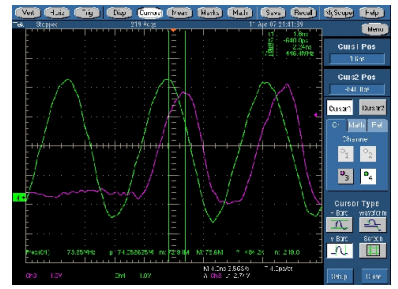
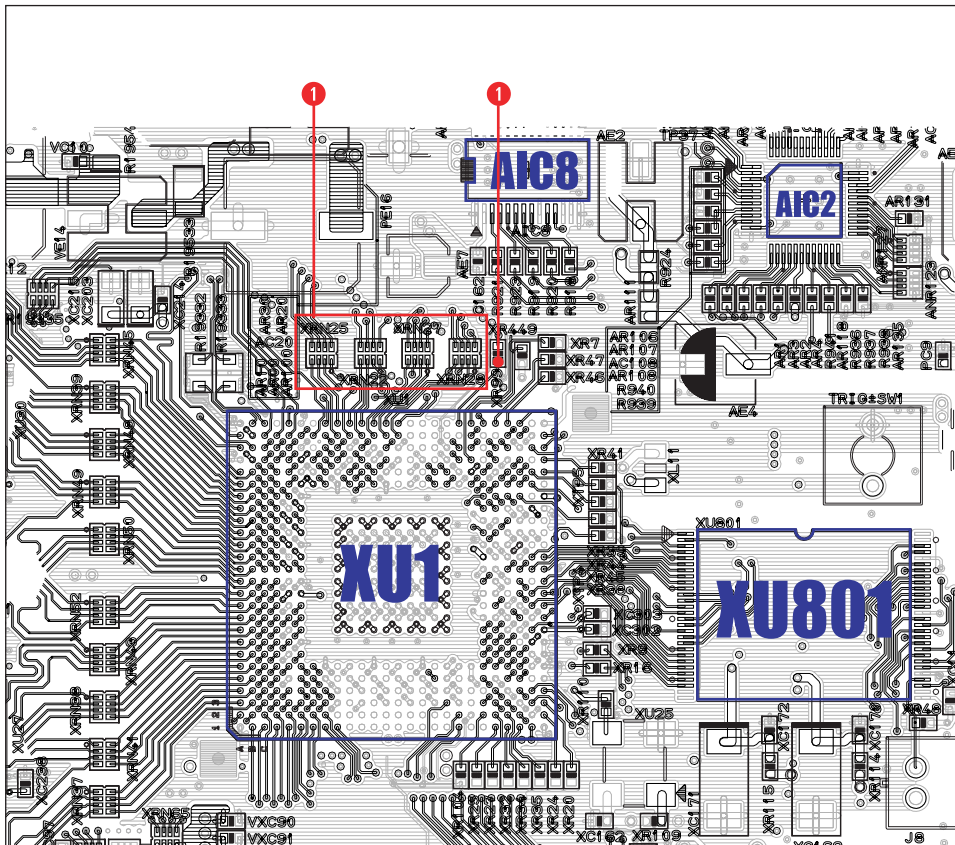


Fig. 4-9





1 ANALOG VIDEO DATA
UX1 (XR99, XRN22~XRN30)

Refer to a pattern
image of Main PCB page 6-4

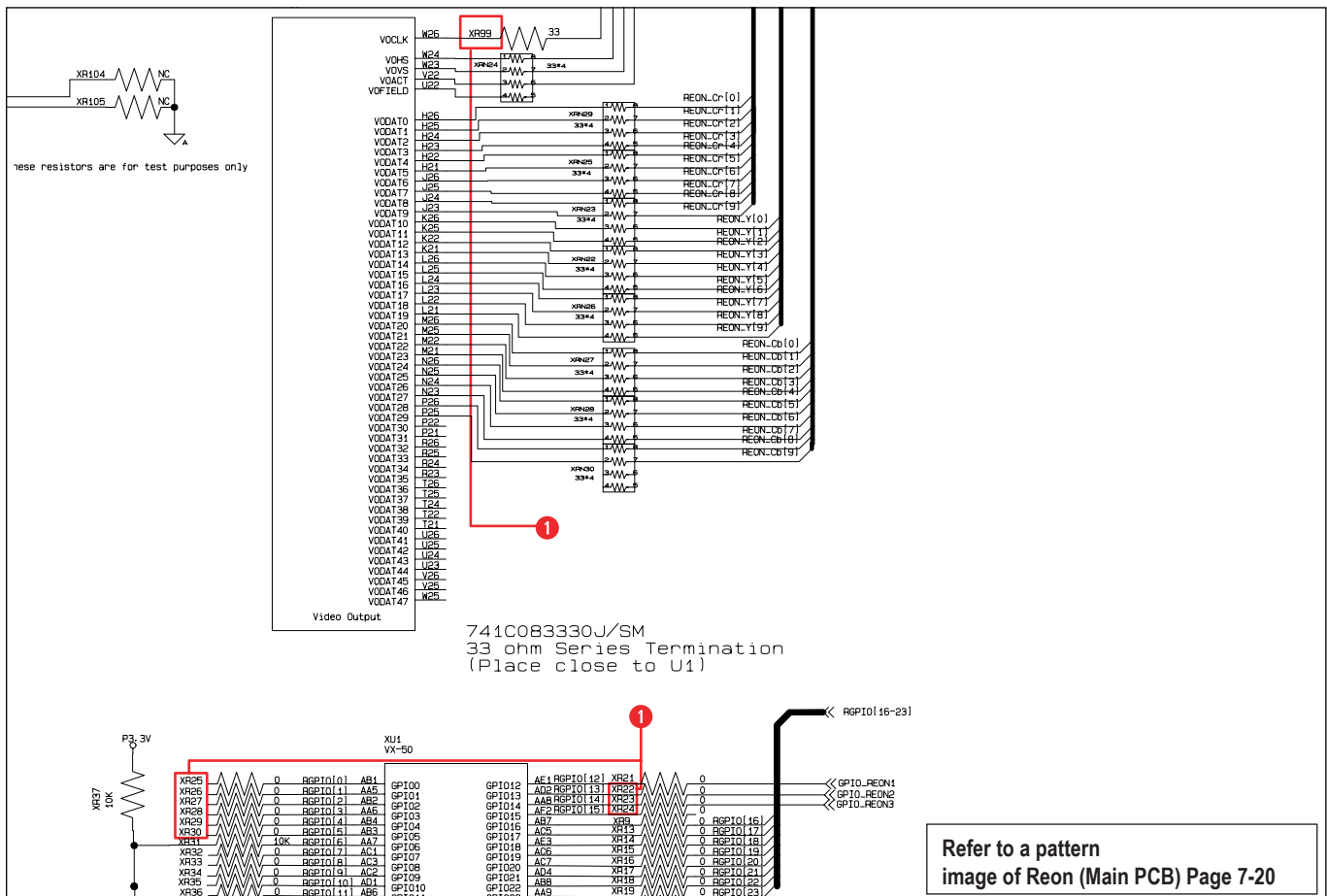


Fig. 4-10

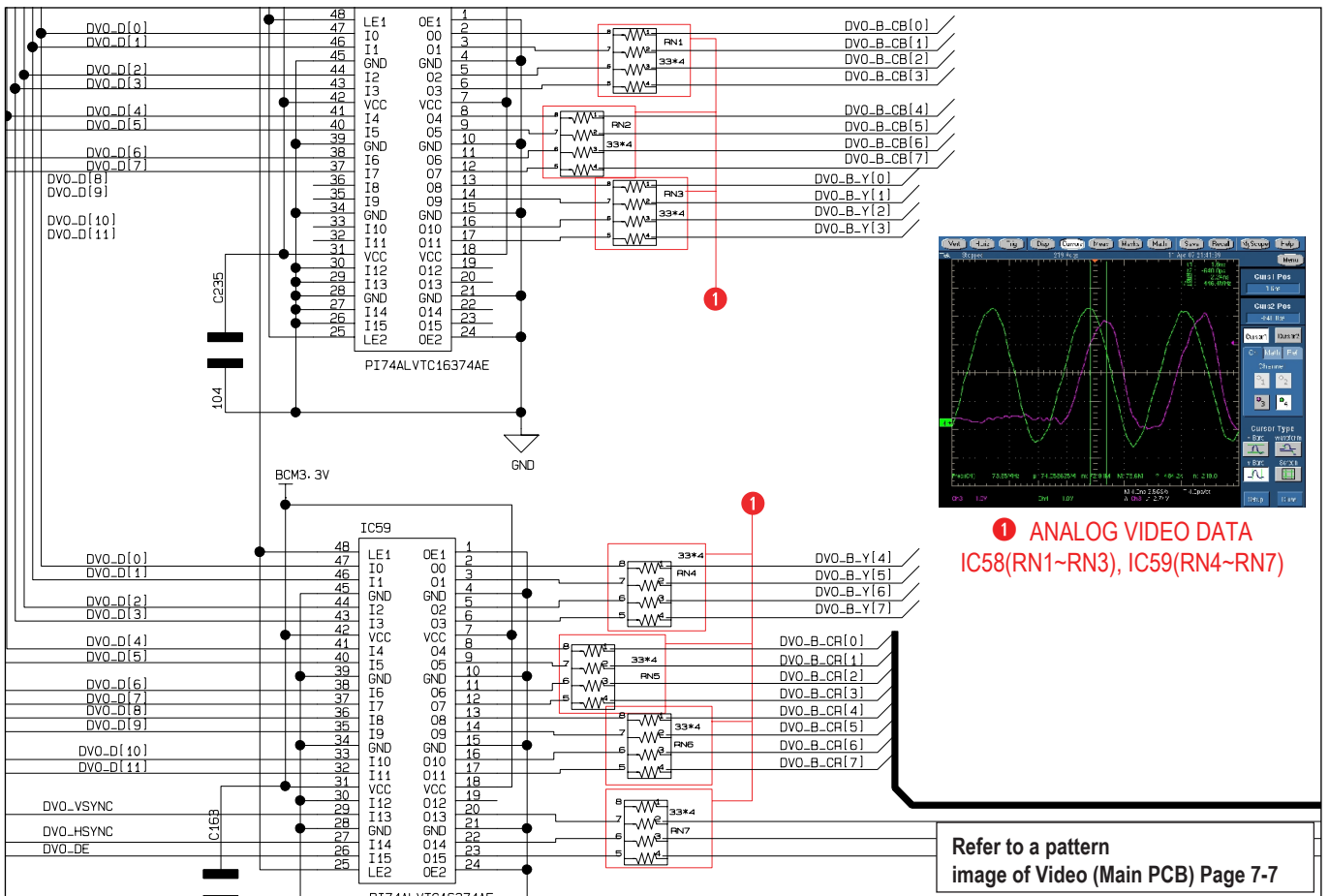
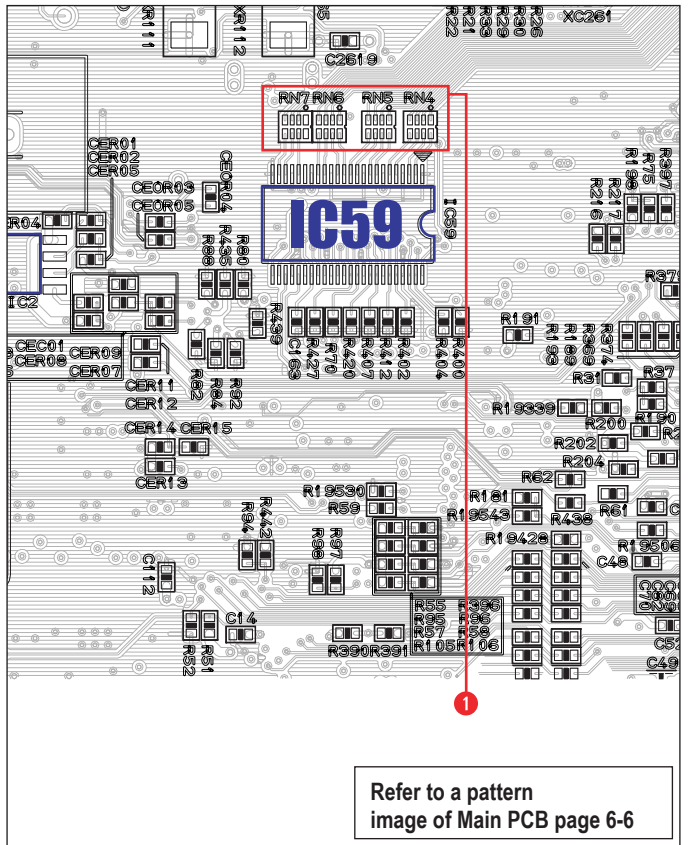
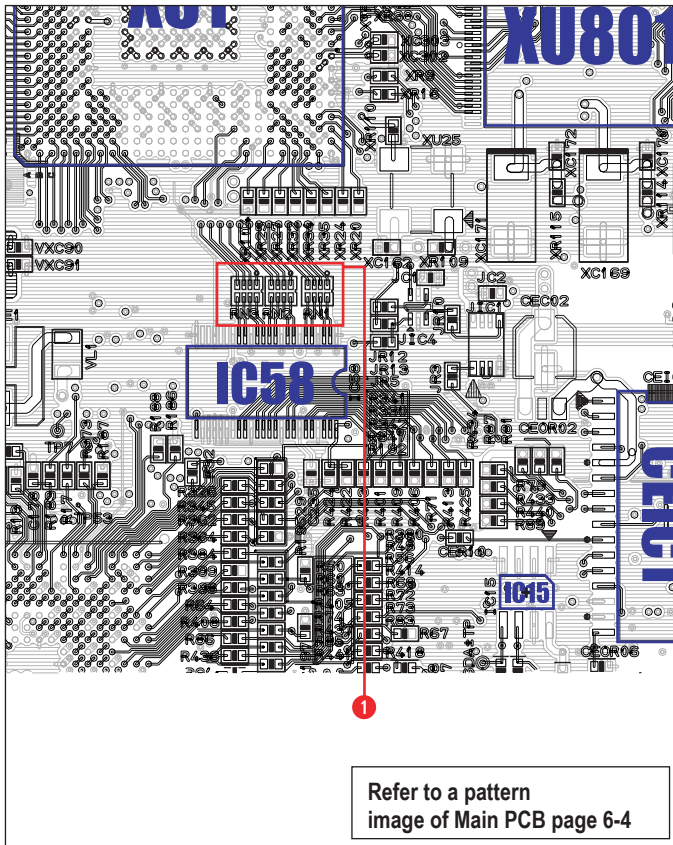
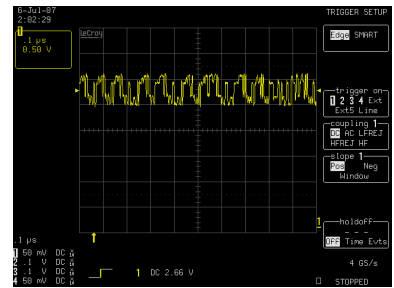
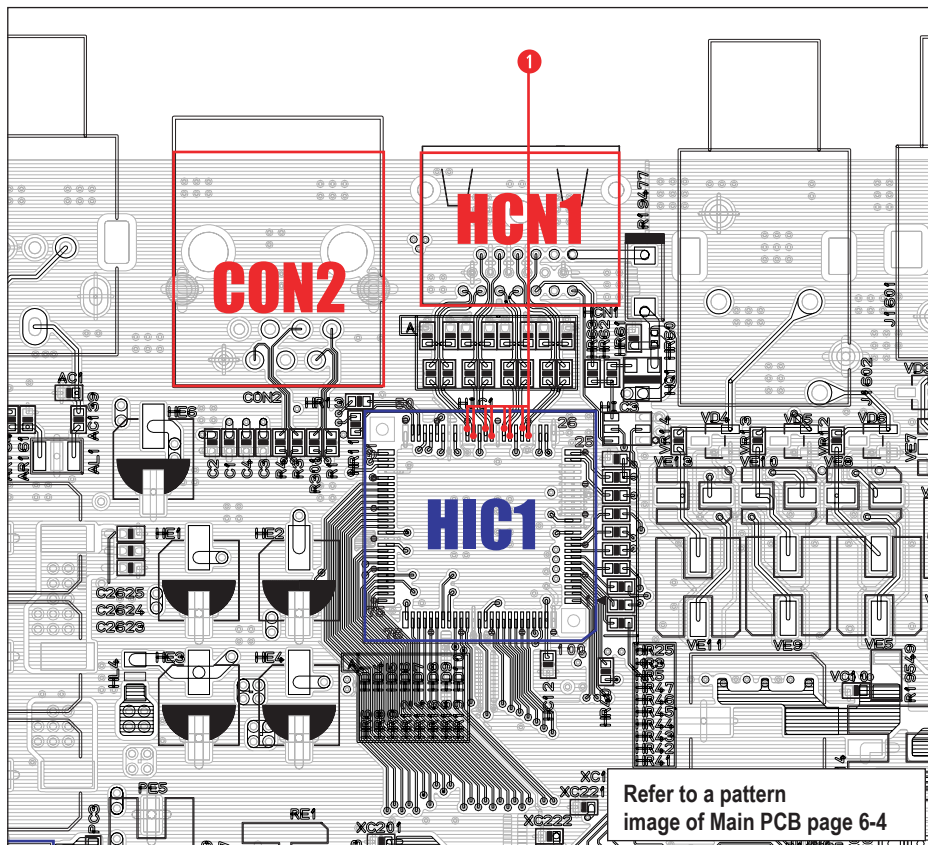


Fig. 4-11



① HDMI OUTPUT DATA
HIC1 (pin30,31,33,34,36,37,39,40)

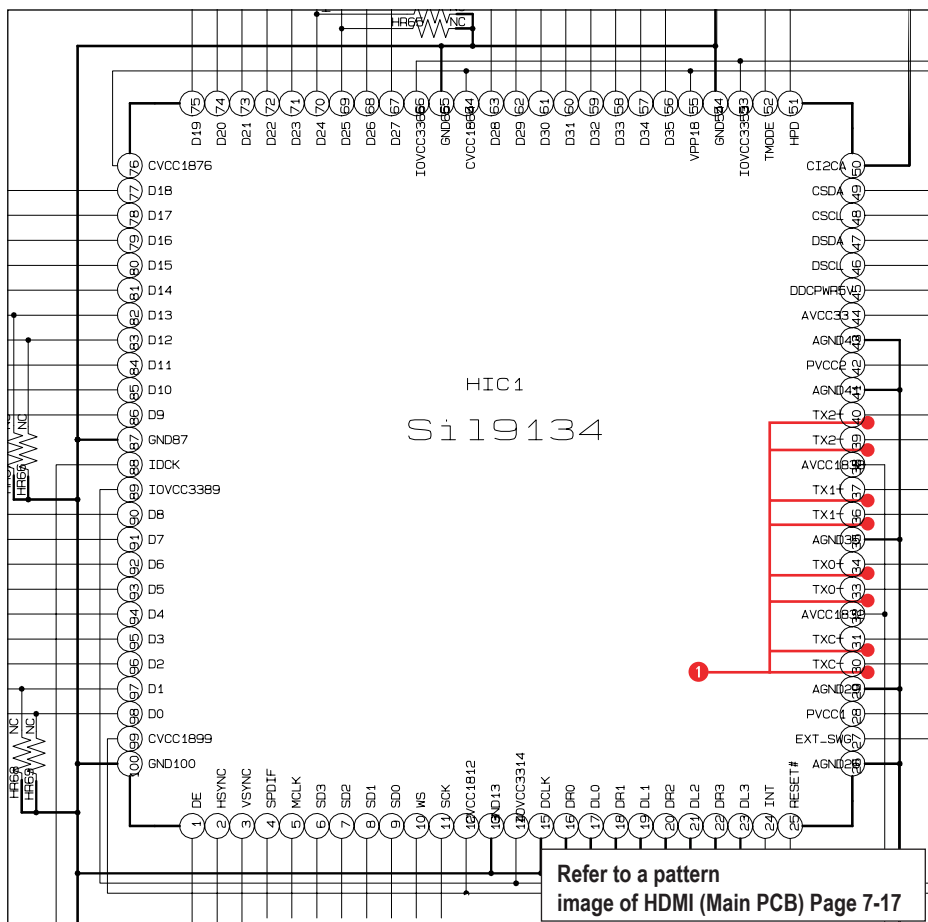


Fig. 4-12

4-2 Software Update

4-2-1 Main F/W Update Method

1) Insert update CD and close the tray.

4) When finished , power goes off automatically.



Fig. 4-13

2) Tray opened automatically, then Press YES if the update CD you insert is a later one than before.

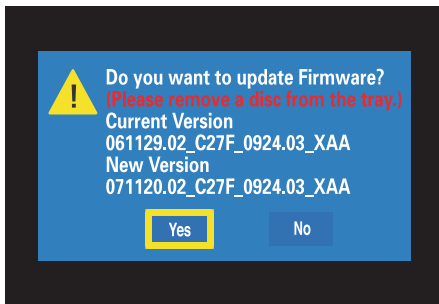


Fig. 4-14

3) Wait about 7 minutes.

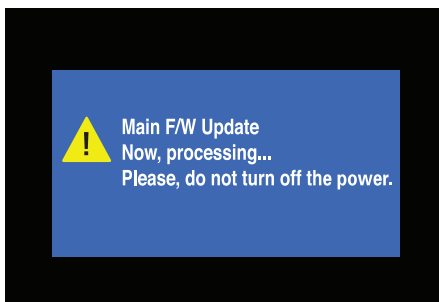


Fig. 4-15

4-2-2 Loader F/W Update Method (for Disc Physical Problem)

- 1) Insert update CD and close the tray.
- 2) Tray opened automatically, then Press YES if the update CD you insert is a later one than before.

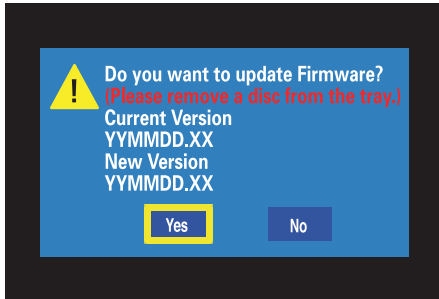


Fig. 4-16

- 3) Wait about 1~2 minutes.

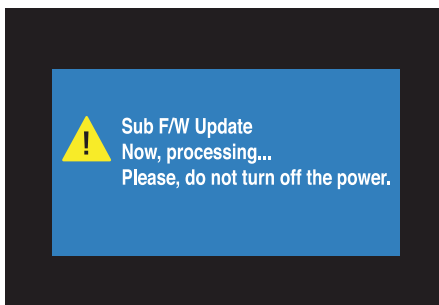


Fig. 4-17

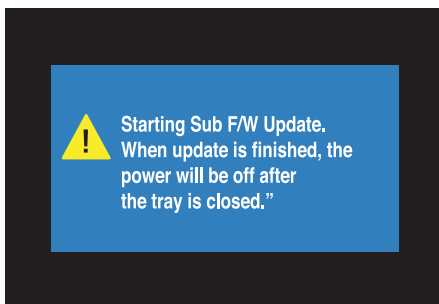


Fig. 4-18

- 4) When finished, power goes off automatically.

4-3 Firmware Upgrade

1) With the unit in No Disc mode, press the MENU button.

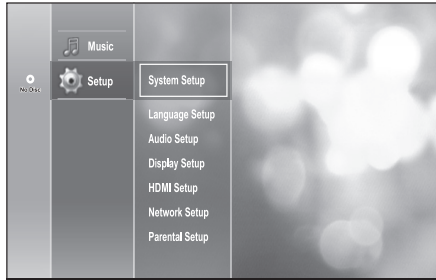


Fig. 4-19

2) Press the ▲▼ buttons to select Setup, then press the ENTER or ► button.

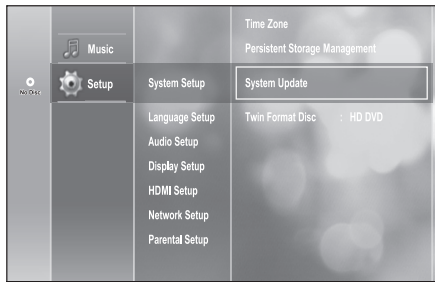


Fig. 4-20

3) Press the ▲▼ buttons to select System Setup, then press the ENTER or ► button.

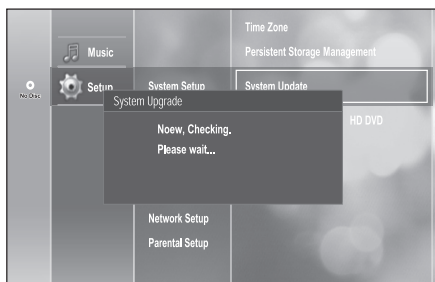


Fig. 4-21

4) Press the ▲▼ buttons to select System Update, then press the ENTER or ► button.

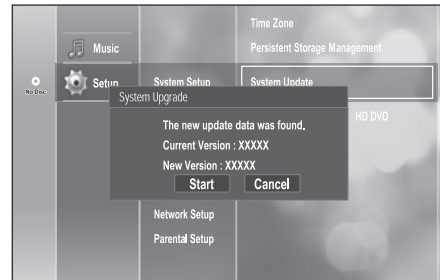


Fig. 4-22

5) You will see a window that allows you to check the cable or network connection status.

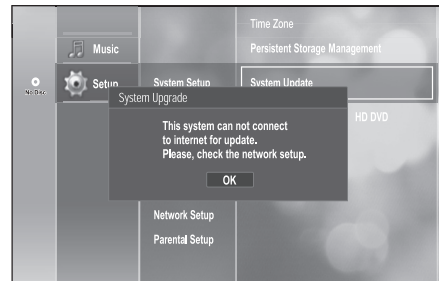


Fig. 4-23

- If the upgrade is possible : You will see information on the current and new versions of fi rmware in a message box.

- If the upgrade is not possible : You will see the following description in the message box.

- If the cable is not connected : "This system can not connect to internet for update. Please, check the network setup."
- If the network connection has failed : " This system can not connected to internet for update. Please, check the network setup"
- If no later version is released (the latest version has been already installed) : "The latest version of the fi rmware is already installed. There is no need to update."
- If there is a disc in the player : "Please maintain "No Disc" state for network update." This indicates that you must remove all discs from the unit to perform the update.

6) To perform the system upgrade, press the ◀▶ buttons to select Start and then press the ENTER button.

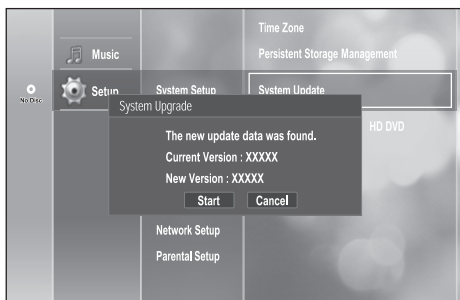


Fig. 4-24

7) The system update gets started.

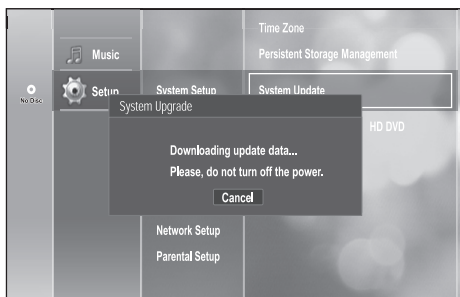


Fig. 4-25

8) When the verification is done, you will see a window that allows you to update firmware. To perform the firmware update, press the ◀▶ buttons to select Yes and then press the ENTER button.

- You will see a message about the upgrade process for 3 seconds.
- When update is finished, the power will turn off.
- If you do not want to update firmware, select No and then press the ENTER button.

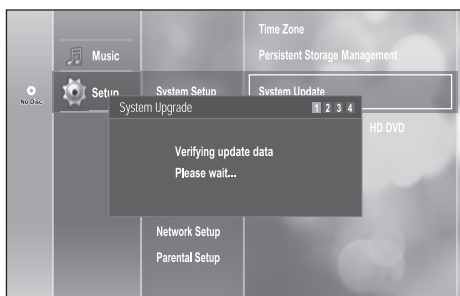


Fig. 4-26

9) Wait about 7 minutes.

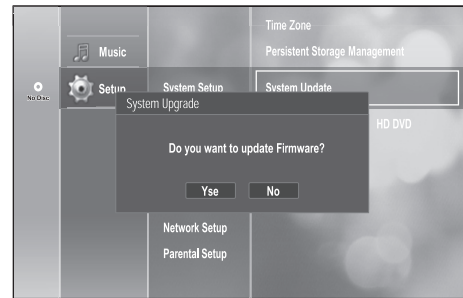


Fig. 4-27

10) When the installation is done, you will see a message of "Update Completed". The player will automatically turn off in 3 seconds. All settings will revert to the factory settings. And the next time you start the system, you will see the menu language selection window.

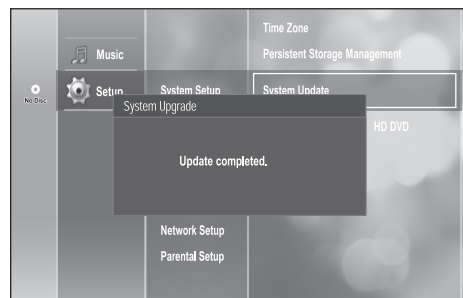


Fig. 4-28

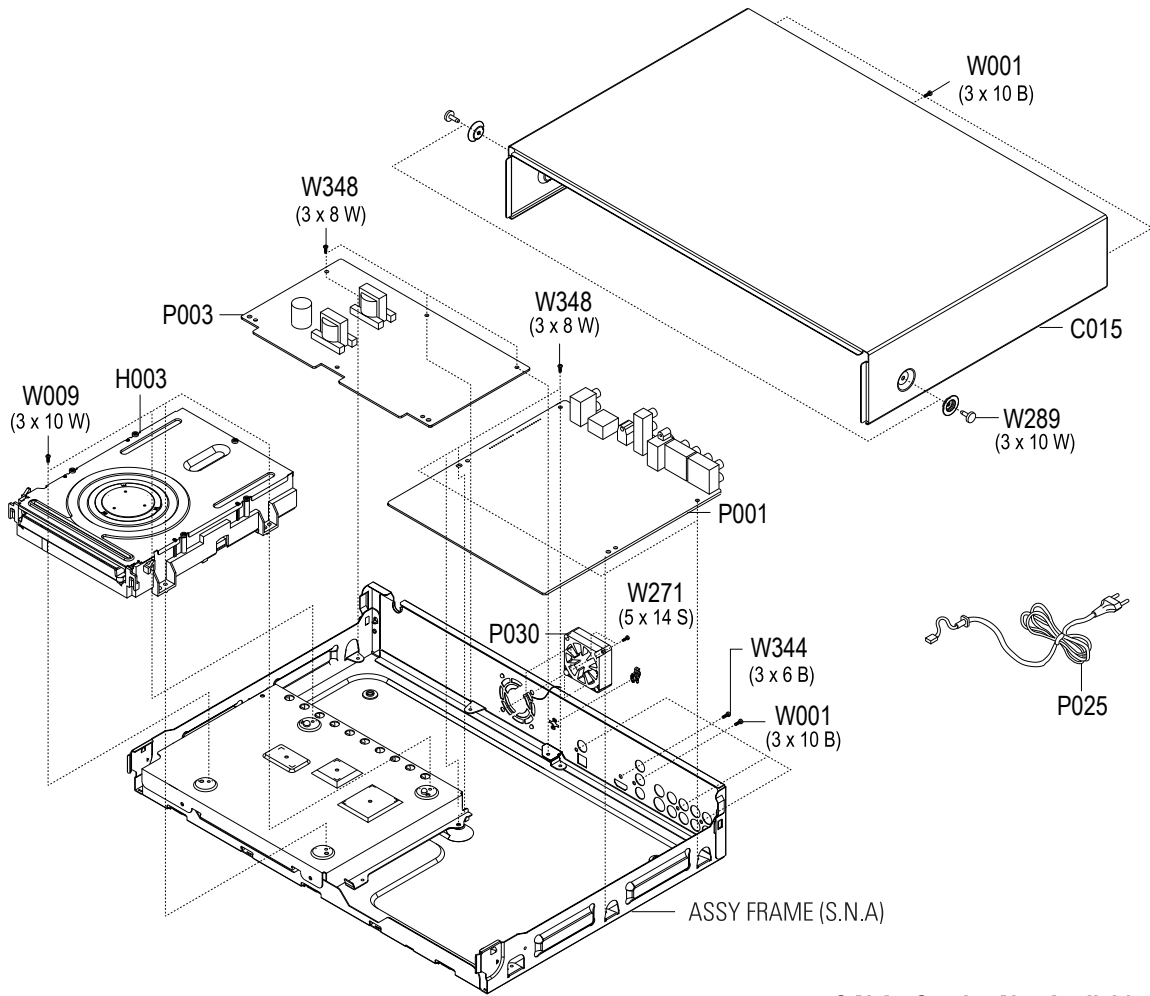
MEMO

5. Exploded View and Parts List

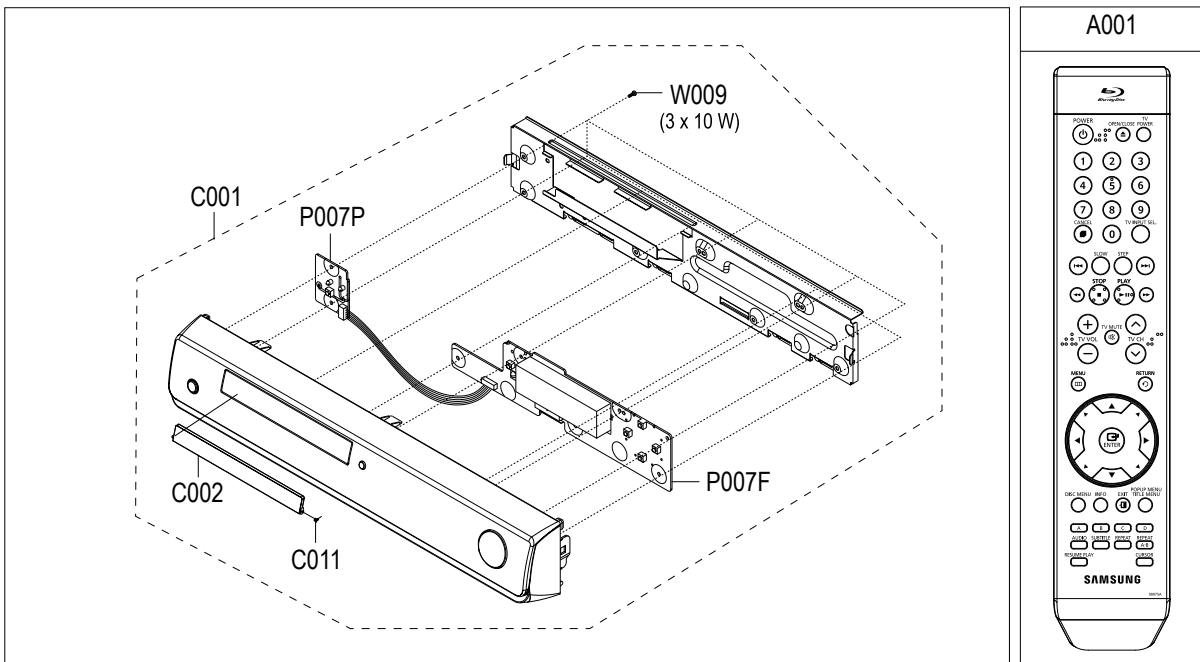
5-1 Cabinet Assembly----- 5-2

5-2 Electrical Parts List----- 5-4

5-1 Cabinet Assembly



● S.N.A.: Service Not Available



Loc. No	Parts No.	Description ; Specification	Q ty	SNA	Remark
A001	AK59-00075A	REMOCON-ASSY;BD-UP5000,SEC,240*48,-	1	SA	
C001	AK97-02081H	ASSY-PANEL FRONT;ASSY,BD-UP5000/XAC	1	SA	
C002	AK61-02105A	DOOR-TRAY;BD-P1400,ABS 94HB,T2,H20,	1	SA	
C011	AK61-00519A	SPRING ETC-DOOR;DVD-SR420,STS304WPB	1	SA	
C015	AK63-00313A	COVER-TOP;BD-P1000,PCM,T0.624,-,-,-	1	SA	
H003	AK97-02013A	ASSY-BDUP LOADER;-;BD-UP5000,ASSY-B	1	SA	
P001	AK92-01465A	ASSY PCB-MAIN;BD-UP5000,ASSY PCB MA	1	SA	
P003	AK92-01493A	ASSY PCB-SMPS;BD-UP5000/XAA,ASSY PC	1	SA	
P007F	AK92-01511B	ASSY PCB-FRONT KEY;BD-UP5000/XAA,AS	1	SA	
P007P	AK92-01507A	ASSY PCB-POWER KEY;BD-P1400,ASSY PC	1	SA	
P025	AC39-10200N	CBF-POWER CORD;AT,US,EP2/Y,HOUSING(1	SA	
P030	3103-001158	FAN-DC;12V,20mA,2000rpm,0.125m^3/mi	1	SA	
W001	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(B	8	SA	
W009	6003-000276	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(W	13	SA	
W271	6009-001411	SCREW-SPECIAL;TH,+,-,M5,L14,NI PLT,	2	SA	
W289	6003-001264	SCREW-TAPTITE;CH,HEX,-,S,M3,L10,NI	2	SA	
W344	6003-001076	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(BL	1	SA	
W348	6003-000255	SCREW-TAPTITE;BWH,+,-,B,M3,L8,ZPC(W	7	SA	

5-2 Electrical Parts List

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
P001	AK92-01465A	ASSY PCB-MAIN;BD-UP5000,ASSY PCB MA	1	SA		AD18	0407-000114	DIODE-ARRAY;-,80V,100mA,CA2-3,SOT-2	1	SA	
AC108	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		AD19	0407-000114	DIODE-ARRAY;-,80V,100mA,CA2-3,SOT-2	1	SA	
AC111	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		AD4	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT	1	SA	
AC135	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		AD6	0407-000114	DIODE-ARRAY;-,80V,100mA,CA2-3,SOT-2	1	SA	
AC136	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		AD8	0407-000114	DIODE-ARRAY;-,80V,100mA,CA2-3,SOT-2	1	SA	
AC137	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		AE1	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3	1	SA	
AC138	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		AE10	2402-001269	C-AL,SMD;10uF,20%,10V,WT(BP),REEL,4	1	SA	
AC139	3301-001419	BEAD-SMD;220ohm,1608,TP,133ohm/70MH	1	SA		AE11	2402-001269	C-AL,SMD;10uF,20%,10V,WT(BP),REEL,4	1	SA	
AC20	2203-000715	C-CER,CHIP;3.3nF,10%,50V,X7R,1608	1	SA		AE12	2402-001269	C-AL,SMD;10uF,20%,10V,WT(BP),REEL,4	1	SA	
AC21	2203-000715	C-CER,CHIP;3.3nF,10%,50V,X7R,1608	1	SA		AE13	2402-001269	C-AL,SMD;10uF,20%,10V,WT(BP),REEL,4	1	SA	
AC22	2203-000726	C-CER,CHIP;3.9nF,10%,50V,X7R,1608	1	SA		AE14	2402-001269	C-AL,SMD;10uF,20%,10V,WT(BP),REEL,4	1	SA	
AC23	2203-000726	C-CER,CHIP;3.9nF,10%,50V,X7R,1608	1	SA		AE15	2402-001269	C-AL,SMD;10uF,20%,10V,WT(BP),REEL,4	1	SA	
AC24	2203-000726	C-CER,CHIP;3.9nF,10%,50V,X7R,1608	1	SA		AE16	2402-001269	C-AL,SMD;10uF,20%,10V,WT(BP),REEL,4	1	SA	
AC25	2203-000726	C-CER,CHIP;3.9nF,10%,50V,X7R,1608	1	SA		AE17	2402-001269	C-AL,SMD;10uF,20%,10V,WT(BP),REEL,4	1	SA	
AC26	2203-000726	C-CER,CHIP;3.9nF,10%,50V,X7R,1608	1	SA		AE18	2402-001269	C-AL,SMD;10uF,20%,10V,WT(BP),REEL,4	1	SA	
AC27	2203-000726	C-CER,CHIP;3.9nF,10%,50V,X7R,1608	1	SA		AE19	2402-001269	C-AL,SMD;10uF,20%,10V,WT(BP),REEL,4	1	SA	
AC28	2203-000726	C-CER,CHIP;3.9nF,10%,50V,X7R,1608	1	SA		AE2	2402-001096	C-AL,SMD;220UF,20%,16V,GP,TP,6.6X6.6	1	SA	
AC29	2203-000726	C-CER,CHIP;3.9nF,10%,50V,X7R,1608	1	SA		AE20	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x	1	SA	
AC30	2203-005105	C-CER,CHIP;0.68nF,5%,50V,COG,1608	1	SA		AE3	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3	1	SA	
AC31	2203-005105	C-CER,CHIP;0.68nF,5%,50V,COG,1608	1	SA		AE4	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6	1	SA	
AC32	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AE5	2402-001096	C-AL,SMD;220UF,20%,16V,GP,TP,6.6X6.6	1	SA	
AC33	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AE6	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6	1	SA	
AC34	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AE7	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3	1	SA	
AC35	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AIC1	AH14-10004R	IC-CMOS LOGIC;74HCU04,-,SOP,14P,-,-	1	SA	
AC36	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AIC2	1002-001456	IC-D/A CONVERTER;AK4358,24Bits,LQFP	1	SA	
AC37	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AIC3	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,1	1	SA	
AC38	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AIC4	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,1	1	SA	
AC39	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AIC5	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,1	1	SA	
AC40	2203-005105	C-CER,CHIP;0.68nF,5%,50V,COG,1608	1	SA		AIC6	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,1	1	SA	
AC41	2203-005105	C-CER,CHIP;0.68nF,5%,50V,COG,1608	1	SA		AIC7	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,1	1	SA	
AC42	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AIC8	1002-001537	IC-D/A CONVERTER;AK4396,24Bit,VSOP,	1	SA	
AC43	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AJ1	3722-002272	JACK-PIN;2P,AU,BLK,ANGLE	1	SA	
AC44	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AJACK1	3722-002466	JACK-PIN;4P,AU,WHx2/RDx2,ANGLE	1	SA	
AC45	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AJACK2	3722-002603	JACK-PIN;6P,AU,WH/REDx3,ANGLE	1	SA	
AC46	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AL1	2901-001273	FILTER-EMI SMD;50V,2A,-,220pF,3.2x1	1	SA	
AC47	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		ANR123	2011-001482	R-NETWORK;1Kohm,5%,1/16W,L,CHIP-V,8	1	SA	
AC48	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		ANR127	2011-001482	R-NETWORK;1Kohm,5%,1/16W,L,CHIP-V,8	1	SA	
AC49	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA		AQ1	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22	1	SA	
AC60	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA		AQ10	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA	
AC61	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA		AQ11	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA	
AC62	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA		AQ12	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA	
AC63	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA		AQ13	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA	
AC64	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA		AQ14	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA	
AC65	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA		AQ15	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA	
AC66	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA		AQ16	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA	
AC67	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA		AQ17	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA	
AC68	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA		AQ18	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA	
AC69	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA		AQ19	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA	
AD10	0407-000114	DIODE-ARRAY;-,80V,100mA,CA2-3,SOT-2	1	SA		AQ2	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-	1	SA	
AD11	0407-000114	DIODE-ARRAY;-,80V,100mA,CA2-3,SOT-2	1	SA		AQ3	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150MW,SO	1	SA	
AD12	0407-000114	DIODE-ARRAY;-,80V,100mA,CA2-3,SOT-2	1	SA		AQ4	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-	1	SA	
AD13	0407-000114	DIODE-ARRAY;-,80V,100mA,CA2-3,SOT-2	1	SA		AQ5	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22	1	SA	
AD14	0407-000114	DIODE-ARRAY;-,80V,100mA,CA2-3,SOT-2	1	SA		AQ6	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22	1	SA	
AD15	0407-000114	DIODE-ARRAY;-,80V,100mA,CA2-3,SOT-2	1	SA		AQ7	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-	1	SA	
AD16	0407-000114	DIODE-ARRAY;-,80V,100mA,CA2-3,SOT-2	1	SA		AQ8	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-	1	SA	
AD17	0407-000114	DIODE-ARRAY;-,80V,100mA,CA2-3,SOT-2	1	SA		AQ9	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22	1	SA	

Exploded Views and Parts List

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
AR85	2007-00078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		C23	2203-006890	C-CER,CHIP;1000nF,20%,6.3V,X5R,160	1	SA	
AR86	2007-00078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		C235	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
AR87	2007-00078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		C236	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
AR88	2007-00078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		C25	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
AR89	2007-00078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		C253	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
AR91	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA		C254	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
AR92	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA		C260	2203-000384	C-CER,CHIP;0.015nF,5%,50V,COG,1608	1	SA	
AR93	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA		C2619	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
AR94	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA		C262	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
AR95	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA		C2620	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
AR96	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA		C2621	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
AR97	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA		C2623	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
AR98	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA		C2624	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
AR99	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA		C2625	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
ATNR1	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		C2626	2203-005692	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,T	1	SA	
ATNR2	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		C2627	2203-005692	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,T	1	SA	
ATNR3	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		C2628	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
ATNR4	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		C263	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
ATNR5	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		C265	2203-006474	C-CER,CHIP;2200nF,20%,6.3V,X5R,201	1	SA	
C1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C266	2203-006474	C-CER,CHIP;2200nF,20%,6.3V,X5R,201	1	SA	
C100	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C267	2203-006474	C-CER,CHIP;2200nF,20%,6.3V,X5R,201	1	SA	
C101	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C27	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C108	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		C28	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C109	2203-000626	C-CER,CHIP;0.022nF,5%,50V,COG,1608	1	SA		C29	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C11	2203-000626	C-CER,CHIP;0.022nF,5%,50V,COG,1608	1	SA		C3	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
C110	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C30	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C111	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		C300	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C112	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C301	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C113	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C302	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C117	2203-000384	C-CER,CHIP;0.015nF,5%,50V,COG,1608	1	SA		C303	2203-006474	C-CER,CHIP;2200nF,20%,6.3V,X5R,201	1	SA	
C12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C31	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C121	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C32	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C122	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA		C33	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C123	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C34	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C35	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C36	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C37	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C154	2007-000450	R-CHIP;180ohm,5%,1/10W,TP,1608	1	SA		C38	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA	
C155	2007-000450	R-CHIP;180ohm,5%,1/10W,TP,1608	1	SA		C39	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA	
C156	2007-000450	R-CHIP;180ohm,5%,1/10W,TP,1608	1	SA		C4	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
C157	2007-000450	R-CHIP;180ohm,5%,1/10W,TP,1608	1	SA		C40	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA	
C16	2203-000681	C-CER,CHIP;0.027nF,5%,50V,COG,1608	1	SA		C41	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA	
C161	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C42	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA	
C162	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C44	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C163	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C45	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C17	2203-000681	C-CER,CHIP;0.027nF,5%,50V,COG,1608	1	SA		C46	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C175	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C47	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C176	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C48	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C177	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C49	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C178	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C50	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C180	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C51	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C181	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C52	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C182	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C53	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C183	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C54	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C184	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C55	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C185	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C56	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C19	2203-000384	C-CER,CHIP;0.015nF,5%,50V,COG,1608	1	SA		C57	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C58	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C20	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		C59	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C21	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA							

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
C6	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		E1	2402-001086	C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.	1	SA	
C60	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		E2	2402-001086	C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.	1	SA	
C61	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		E2801	2402-001221	C-AL,SMD;470UF,20%,16V,-,TP,A8.3XB8	1	SA	
C62	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		E2805	2402-001221	C-AL,SMD;470UF,20%,16V,-,TP,A8.3XB8	1	SA	
C64	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		E4	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2	1	SA	
C65	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		E5	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2	1	SA	
C66	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		E6	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2	1	SA	
C67	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		EL1	3301-000353	BEAD-SMD;120ohm,2x1.25x0.9mm,-,TP,-	1	SA	
C68	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		ER1	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
C69	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		ER2	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
C7	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		FCOM1	3708-001845	CONNECTOR-FPC/FFC/IPC;23P,1.25mm,ST	1	SA	
C70	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		FR1	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
C71	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		FU1	0801-002522	IC-CMOS LOGIC;74VHC541,BUFFER/LINE	1	SA	
C72	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		FU2	0801-002701	IC-CMOS LOGIC;74VHC125A,BUFFER,TSS	1	SA	
C73	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		HC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C74	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		HC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C75	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		HC11	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
C76	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		HC12	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
C77	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA		HC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C78	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA		HC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C79	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA		HC15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C8	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		HC16	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
C80	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA		HC17	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
C81	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA		HC18	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C82	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA		HC19	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C83	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA		HC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
C84	2203-001598	C-CER,CHIP;2200nF,+80-20%,16V,Y5V,2	1	SA		HC20	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CEC01	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		HC21	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CEC02	2402-001178	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3	1	SA		HC22	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CEC03	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		HC25	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CEC04	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		HC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CEIC1	AK09-00159A	IC MICOM;-,MC80C0316-MC015 D32,44,2	1	SNA		HC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CEIC2	1103-001398	IC-EEPROM;24C02,2Kbit,256Kx8,SOIC,8	1	SA		HC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CEOR01	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		HC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CEOR02	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA		HC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CEOR03	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		HC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CEOR04	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		HC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CEOR05	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		HCN1	3701-001463	CONNECTOR-HDMI;19P,2R,PLUG,ANGLE,AU	1	SA	
CEOR06	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		HD1	1405-001192	VARISTOR;12Vdc,30A,1.6x0.8x0.55mm,T	1	SA	
CER01	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		HD10	1405-001192	VARISTOR;12Vdc,30A,1.6x0.8x0.55mm,T	1	SA	
CER02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		HD2	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SO	1	SA	
CER03	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		HD3	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SO	1	SA	
CER04	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		HD4	1405-001192	VARISTOR;12Vdc,30A,1.6x0.8x0.55mm,T	1	SA	
CER05	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		HD5	1405-001192	VARISTOR;12Vdc,30A,1.6x0.8x0.55mm,T	1	SA	
CER06	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		HD6	1405-001192	VARISTOR;12Vdc,30A,1.6x0.8x0.55mm,T	1	SA	
CER07	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		HD7	1405-001192	VARISTOR;12Vdc,30A,1.6x0.8x0.55mm,T	1	SA	
CER09	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		HD8	1405-001192	VARISTOR;12Vdc,30A,1.6x0.8x0.55mm,T	1	SA	
CER10	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		HD9	1405-001192	VARISTOR;12Vdc,30A,1.6x0.8x0.55mm,T	1	SA	
CER12	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		HE1	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.	1	SA	
CER14	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		HE2	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.	1	SA	
CER17	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		HE3	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.	1	SA	
CER18	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		HE4	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.	1	SA	
CER19	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		HE6	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6	1	SA	
CER20	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		HIC1	1205-003113	IC-TRANSMITTER;SI19134CTU,TQFP,100P	1	SA	
CER21	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		HIC3	0505-001679	FET-SILICON;FDC6301N,N,25V,0.22A,50	1	SA	
CEXT1	2802-001094	RESONATOR-CERAMIC;4MHz,0.5%,TP,8x3x	1	SA		HL1	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
CON2	3722-002549	JACK-MODULAR;12P/8C,-,N,ANGLE,N,AU,	1	SA		HL2	3301-000353	BEAD-SMD;120ohm,2x1.25x0.9mm,-,TP,-	1	SA	
D2506	0401-000133	DIODE-SWITCHING;RLS4148,75V,150mA,L	1	SA		HL3	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
D2507	0402-001075	DIODE-RECTIFIER;MBR0520L,20V,0.5A,S	1	SA		HL4	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	

Exploded Views and Parts List

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
HL5	2007-00033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA		L2804	3301-001202	BEAD-SMD;120ohm,4532,TP,167ohm/260M	1	SA	
HQ1	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA		L2806	3301-001202	BEAD-SMD;120ohm,4532,TP,167ohm/260M	1	SA	
HR1	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		L2809	3301-001202	BEAD-SMD;120ohm,4532,TP,167ohm/260M	1	SA	
HR10	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SA		L2810	3301-001202	BEAD-SMD;120ohm,4532,TP,167ohm/260M	1	SA	
HR11	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		L2826	3301-001202	BEAD-SMD;120ohm,4532,TP,167ohm/260M	1	SA	
HR12	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		L3	3301-000353	BEAD-SMD;120ohm,2x1.25x0.9mm,-,TP,-	1	SA	
HR13	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		L4	3301-000353	BEAD-SMD;120ohm,2x1.25x0.9mm,-,TP,-	1	SA	
HR14	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		L5	2703-001973	INDUCTOR-SMD;2.7uH,10%,1608	1	SA	
HR15	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		L6	2703-000402	INDUCTOR-SMD;1uH,20%,3225	1	SA	
HR16	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR17	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR18	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR19	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR2	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR20	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR25	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		MC16	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR3	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		MC17	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR30	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		MC18	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR31	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		MC19	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR33	2007-000962	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	SA		MC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR34	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC20	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR36	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC21	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR4	2007-008107	R-CHIP;698ohm,1%,1/10W,TP,1608	1	SA		MC22	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR40	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC23	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR41	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC24	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR42	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC25	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR43	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC26	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR44	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC27	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR45	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC28	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR46	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC29	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR47	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR5	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		MC30	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR6	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC31	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR60	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA		MC32	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR61	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	SA		MC33	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR62	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SA		MC34	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR63	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC35	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR7	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC36	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR8	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC37	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR9	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC38	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
IC1	0801-002097	IC-CMOS LOGIC;7ST08,AND GATE,SOP,5P	1	SA		MC39	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
IC15	1103-001147	IC-EEPROM;24256,256Kbit,32Kx8Bit,SO	1	SA		MC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
IC58	0801-003158	IC-CMOS LOGIC;PI74ALVTC16374,D-Type	1	SA		MC40	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
IC59	0801-003158	IC-CMOS LOGIC;PI74ALVTC16374,D-Type	1	SA		MC41	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
J1601	3722-002468	JACK-PIN;1P+VHS,Au, YEL ANGLE	1	SA		MC42	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
J1602	3722-002467	JACK-PIN;3P,Au,GNBU/RD ANGLE	1	SA		MC43	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
J27	3708-001935	CONNECTOR-FPC/FFC/PIC;40P,0.5mm,SMD	1	SA		MC44	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
JC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		MC45	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
JC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		MC46	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
JIC1	0801-002534	IC-CMOS LOGIC;7WH74,D FLIP-FLOP,SSO	1	SA		MC47	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
JIC4	0801-002611	IC-CMOS LOGIC;7SZ157,2-INPUT MULTIP	1	SA		MC48	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
JR10	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA		MC49	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
JR12	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		MC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
JR3	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		MC50	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
JR5	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC51	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
L1	3301-001202	BEAD-SMD;120ohm,2x1.25x0.9mm,-,TP,-	1	SA		MC52	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
L2	3301-000353	BEAD-SMD;120ohm,2x1.25x0.9mm,-,TP,-	1	SA		MC53	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
L2801	3301-001202	BEAD-SMD;120ohm,4532,TP,167ohm/260M	1	SA		MC54	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
MC55	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PC30	2203-006368	C-CER,CHIP;4700nF,10%,25V,X7R,TP,32	1	SA	
MC56	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PC31	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MC57	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PC32	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MC58	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PC33	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
MC59	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PC34	2203-006560	C-CER,CHIP;22000nF,10%,10V,X5R,3225	1	SA	
MC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PC35	2203-006560	C-CER,CHIP;22000nF,10%,10V,X5R,3225	1	SA	
MC60	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PC36	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MC61	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PC37	2203-001103	C-CER,CHIP;6.8nF,10%,50V,X7R,1608	1	SA	
MC62	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PC38	2203-002041	C-CER,CHIP;0.47nF,10%,50V,X7R,1608	1	SA	
MC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PC40	2203-006560	C-CER,CHIP;22000nF,10%,10V,X5R,3225	1	SA	
MC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PC41	2203-000234	C-CER,CHIP;0.1nF,5%,50V,COG,TP,1005	1	SA	
ME1	2402-001237	C-AL,SMD;330uF,##20%,6.3V,-,REEL,6.	1	SA		PC42	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
ME2	2402-001237	C-AL,SMD;330uF,##20%,6.3V,-,REEL,6.	1	SA		PC43	2203-000234	C-CER,CHIP;0.1nF,5%,50V,COG,TP,1005	1	SA	
ME3	2402-001237	C-AL,SMD;330uF,##20%,6.3V,-,REEL,6.	1	SA		PC44	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
ME4	2402-001237	C-AL,SMD;330uF,##20%,6.3V,-,REEL,6.	1	SA		PC45	2203-005834	C-CER,CHIP;22000nF,+80-20%,10V,Y5V,	1	SA	
ME5	2402-001237	C-AL,SMD;330uF,##20%,6.3V,-,REEL,6.	1	SA		PC46	2203-001103	C-CER,CHIP;6.8nF,10%,50V,X7R,1608	1	SA	
ME6	2402-001237	C-AL,SMD;330uF,##20%,6.3V,-,REEL,6.	1	SA		PC47	2203-000236	C-CER,CHIP;0.1nF,5%,50V,COG,1608	1	SA	
ME7	2402-001237	C-AL,SMD;330uF,##20%,6.3V,-,REEL,6.	1	SA		PC48	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	SA	
ME8	2402-001237	C-AL,SMD;330uF,##20%,6.3V,-,REEL,6.	1	SA		PC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MEM1	1105-001776	IC-DRAM;HYB18T512800BF,DDR2,512Mbit	1	SA		PC54	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MEM2	1105-001776	IC-DRAM;HYB18T512800BF,DDR2,512Mbit	1	SA		PC55	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MEM3	1105-001776	IC-DRAM;HYB18T512800BF,DDR2,512Mbit	1	SA		PC56	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MEM4	1105-001776	IC-DRAM;HYB18T512800BF,DDR2,512Mbit	1	SA		PC6	2203-005692	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,T	1	SA	
MEM5	1105-001776	IC-DRAM;HYB18T512800BF,DDR2,512Mbit	1	SA		PC7	2203-005692	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,T	1	SA	
MEM6	1105-001776	IC-DRAM;HYB18T512800BF,DDR2,512Mbit	1	SA		PC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MEM7	1105-001776	IC-DRAM;HYB18T512800BF,DDR2,512Mbit	1	SA		PC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MEM8	1105-001776	IC-DRAM;HYB18T512800BF,DDR2,512Mbit	1	SA		PCN1	3711-003240	HEADER-BOARD TO CABLE;BOX,15P,1R,2	1	SA	
MR10	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA		PD1	0404-001173	DIODE-SCHOTTKY;R8081L-20,20V,5000MA	1	SA	
MR11	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA		PD2	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,	1	SA	
MR12	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA		PD3	0404-001036	DIODE-SCHOTTKY;SDB30A40,40V,3000MA,	1	SA	
MR4	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	1	SA		PD4	0404-001036	DIODE-SCHOTTKY;SDB30A40,40V,3000MA,	1	SA	
MR5	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	1	SA		PE1	2402-000210	C-AL,SMD;22uF,20%,35V,WT,TP,6.6x6.6	1	SA	
MR7	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	SA		PE10	2402-001011	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3	1	SA	
MR9	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA		PE11	2402-001221	C-AL,SMD;470uF,20%,16V,-,TP,A8.3XB8	1	SA	
NAND2	1107-001608	IC-FLASH MEMORY;K9F4G08U0A,4Gbit,51	1	SNA		PE15	2402-001221	C-AL,SMD;470uF,20%,16V,-,TP,A8.3XB8	1	SA	
NDR10	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		PE16	2402-001216	C-AL,SMD;470uF,20%,16V,WT,TP,10.3x1	1	SA	
PC1	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA		PE17	2402-001216	C-AL,SMD;470uF,20%,16V,WT,TP,10.3x1	1	SA	
PC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PE18	2402-001087	C-AL,SMD;47uF,20%,25V,GP,TP,6.6x6.6	1	SA	
PC11	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		PE2	2402-001087	C-AL,SMD;47uF,20%,25V,GP,TP,6.6x6.6	1	SA	
PC12	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		PE3	2402-001217	C-AL,SMD;220uF,20%,16V,WT,TP,6.6x6.6	1	SA	
PC13	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		PE4	2402-001217	C-AL,SMD;220uF,20%,16V,WT,TP,6.6x6.6	1	SA	
PC14	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		PE5	2402-001086	C-AL,SMD;100uF,20%,16V,WT,TP,6.6x6.6	1	SA	
PC15	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA		PE6	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	1	SA	
PC16	2203-005834	C-CER,CHIP;22000nF,+80-20%,10V,Y5V,	1	SA		PE7	2402-001086	C-AL,SMD;100uF,20%,16V,WT,TP,6.6x6.6	1	SA	
PC17	2203-006560	C-CER,CHIP;22000nF,10%,10V,X5R,3225	1	SA		PE8	2402-001221	C-AL,SMD;470uF,20%,16V,-,TP,A8.3XB8	1	SA	
PC18	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,1608	1	SA		PE9	2402-001237	C-AL,SMD;330uF,##20%,6.3V,-,REEL,6.	1	SA	
PC19	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PIC1	1203-002178	IC-POSI.FIXED REG.;1563,SOP,7P,173M	1	SA	
PC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PIC2	1203-004868	IC-SWITCH VOL. REG.;MP2363,SOIC,8P,	1	SA	
PC20	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	SA		PIC3	1203-001697	IC-POSI.FIXED REG.;78R08,TO-220,4P,	1	SA	
PC21	2203-005834	C-CER,CHIP;22000nF,+80-20%,10V,Y5V,	1	SA		PIC4	1203-000122	IC-NEGA.FIXED REG.;7908,TO-220,3P,-	1	SA	
PC22	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		PIC5	1203-003180	IC-POSI.FIXED REG.;MM1565,SOP,7P,5x	1	SA	
PC23	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		PIC6	1203-003806	IC-POSI.ADJUST REG.;KIA78R000,DPAK,	1	SA	
PC24	2203-000726	C-CER,CHIP;3.9nF,10%,50V,X7R,1608	1	SA		PIC7	1203-004693	IC-SWITCH VOL. REG.;MP2330DN,SOIC,8	1	SA	
PC25	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		PIC8	1203-004861	IC-DC/DC CONVERTER;MP2108,QFN,10P,3	1	SA	
PC26	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		PIC9	1203-004868	IC-SWITCH VOL. REG.;MP2363,SOIC,8P,	1	SA	
PC27	2203-006368	C-CER,CHIP;4700nF,10%,25V,X7R,TP,32	1	SA		PL1	2703-003248	INDUCTOR-SMD;8.2uH,20%,7272	1	SA	
PC28	2203-006818	C-CER,CHIP;47000nF,20%,6.3V,X5R,321	1	SA		PL2	2703-003248	INDUCTOR-SMD;8.2uH,20%,7272	1	SA	
PC29	2203-006818	C-CER,CHIP;47000nF,20%,6.3V,X5R,321	1	SA		PL3	2703-003247	INDUCTOR-SMD;4.7uH,20%,9998	1	SA	
PC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA							

Exploded Views and Parts List

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
PL4	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA		R123	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PL5	3301-001202	BEAD-SMD;120ohm,4532,TP,167ohm/260M	1	SA		R124	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PL6	2703-003248	INDUCTOR-SMD;8.2uH,20%,7272	1	SA		R125	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PL9	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	SA		R126	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PQ1	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22	1	SA		R127	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PQ2	0504-000128	TR-DIGITAL;-NPN,200MW,22K/22K,SOT-	1	SA		R128	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR1	2007-000066	R-CHIP;20Kohm,1%,1/10W,TP,1608	1	SA		R129	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR10	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA		R13	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
PR11	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		R130	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR12	2007-000979	R-CHIP;5.6Kohm,1%,1/10W,TP,1608	1	SA		R131	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR13	2007-000708	R-CHIP;3.9Kohm,1%,1/10W,TP,1608	1	SA		R132	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR14	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA		R133	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR15	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R134	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR16	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		R135	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR17	2007-002903	R-CHIP;18.2Kohm,1%,1/10W,TP,1608	1	SA		R136	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR18	2203-000236	C-CER,CHIP;0.1nF,5%,50V,COG,1608	1	SA		R137	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR19	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA		R138	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR2	3301-000353	BEAD-SMD;120ohm,2x1.25x0.9mm,-TP,-	1	SA		R139	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR20	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	SA		R14	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
PR21	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA		R140	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR22	2007-000683	R-CHIP;3.3Kohm,1%,1/10W,TP,1608	1	SA		R141	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR23	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		R142	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR25	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA		R143	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR26	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R144	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR27	2007-008527	R-CHIP;1.69Kohm,1%,1/10W,TP,1608	1	SA		R145	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR28	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA		R146	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
PR29	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA		R15	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
PR3	2007-000805	R-CHIP;36Kohm,5%,1/10W,TP,1608	1	SA		R17	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
PR30	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R18	2007-000129	R-CHIP;27Kohm,5%,1/10W,TP,1608	1	SA	
PR31	2007-000683	R-CHIP;3.3Kohm,1%,1/10W,TP,1608	1	SA		R181	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
PR33	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R182	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
PR4	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		R183	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
PR5	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R184	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
PR7	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA		R185	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
PR9	2007-002987	R-CHIP;4.75Kohm,1%,1/10W,TP,1608	1	SA		R186	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R1	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R187	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R10	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA		R188	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R100	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		R189	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R102	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		R190	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R104	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		R191	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R106	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		R192	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R107	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R193	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R108	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19332	2901-001433	FILTER-EMI SMD;25V,0.2A,14pF,2.0x1.	1	SA	
R109	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19333	2901-001433	FILTER-EMI SMD;25V,0.2A,14pF,2.0x1.	1	SA	
R11	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA		R19334	2011-001262	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,	1	SA	
R110	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19335	2011-001262	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,	1	SA	
R111	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19336	2011-001262	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,	1	SA	
R112	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19337	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R113	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19338	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R114	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19339	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R115	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19416	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R116	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19417	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
R117	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19424	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
R118	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19428	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
R119	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19431	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA	
R12	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		R19432	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA	
R120	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19433	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA	
R121	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19434	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA	
R122	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA		R19435	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA	

Exploded Views and Parts List

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
R19436	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		R229	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R19458	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R23	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
R19459	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R230	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
						R231	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R19477	0404-001036	DIODE-SCHOTTKY;SDB30A40,40V,3000MA,	1	SA							
R19478	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R232	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
R19479	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R241	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
R19480	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R242	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
R19481	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R243	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
						R244	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
R19482	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA							
R19483	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R245	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R19484	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R26	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
R19486	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R27	2007-000591	R-CHIP;22ohm,1%,1/10W,TP,1608	1	SA	
R19487	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R29	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
						R3	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19488	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA							
R19489	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R30	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19490	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R300	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	SA	
R19491	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R301	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19492	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R304	2007-007226	R-CHIP;49.9ohm,1%,1/10W,TP,1608	1	SA	
						R305	2007-007226	R-CHIP;49.9ohm,1%,1/10W,TP,1608	1	SA	
R19493	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA							
R19494	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R306	2007-007226	R-CHIP;49.9ohm,1%,1/10W,TP,1608	1	SA	
R19498	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R307	2007-007226	R-CHIP;49.9ohm,1%,1/10W,TP,1608	1	SA	
R19499	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R308	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	SA	
R19500	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R309	2007-007441	R-CHIP;562ohm,1%,1/10W,TP,1608	1	SA	
						R31	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19506	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA							
R19507	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R310	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
R19508	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R312	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19509	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R313	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
R19510	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R315	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
						R316	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19511	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA							
R19514	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R317	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19515	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R32	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19527	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	SA		R320	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19529	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R322	2011-001396	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8	1	SA	
						R323	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19530	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA							
R19531	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R324	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19533	2703-000389	INDUCTOR-SMD;5.6uH,5%,3225	1	SA		R326	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19538	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		R328	2011-001396	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8	1	SA	
R19543	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R329	2011-001396	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8	1	SA	
						R330	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19544	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA							
R19545	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R335	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
R19546	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R336	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
R19547	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA		R341	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R19549	2703-000389	INDUCTOR-SMD;5.6uH,5%,3225	1	SA		R342	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
						R343	2007-000591	R-CHIP;22ohm,1%,1/10W,TP,1608	1	SA	
R197	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA							
R198	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		R344	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	SA	
R2	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	1	SA		R345	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R20	2011-001396	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8	1	SA		R346	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	SA	
R200	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		R347	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
						R348	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
R201	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA							
R202	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		R350	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
R203	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		R351	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R204	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		R355	2011-001482	R-NETWORK;1Kohm,5%,1/16W,L,CHIP-V,8	1	SA	
R214	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		R357	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
						R36	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
R215	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA							
R216	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		R361	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
R217	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		R362	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R218	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		R364	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R227	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	1	SA		R366	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA	
						R369	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R228	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA							

Exploded Views and Parts List

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
R37	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R892	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
R370	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R893	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA	
R371	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R896	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
R373	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R897	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
R374	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R9	2007-007441	R-CHIP;562ohm,1%,1/10W,TP,1608	1	SA	
R377	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R90	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R379	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R91	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R380	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R910	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA	
R384	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R918	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R390	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R919	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R396	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		R92	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA	
R397	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R920	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R398	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R921	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R399	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R923	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
R4	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R924	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
R400	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		R93	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	SA	
R402	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		R936	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R404	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		R937	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R405	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R938	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
R406	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R939	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R408	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R94	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA	
R409	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R940	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R413	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		R941	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R414	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R96	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA	
R416	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		R98	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA	
R418	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		RE1	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2	1	SA	
R422	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		RN1	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
R427	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		RN2	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
R435	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		RN3	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
R436	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		RN4	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
R437	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		RN5	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
R438	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		RN6	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
R439	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		RN7	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
R441	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	SA		U1	1204-002720	IC-VIDEO DECODER;BCM7440,FCBGA,731P	1	SA	
R453	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		U6	0801-002393	IC-CMOS LOGIC;74VHC244,BUS BUFFER,T	1	SA	
R48	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		UR1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R50	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		UR10	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R52	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		UR11	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R56	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		UR12	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R58	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		UR13	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R60	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		UR14	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R62	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		UR2	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R63	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		UR3	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R64	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		UR4	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R67	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		UR5	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
R68	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		UR6	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R7	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	1	SA		UR7	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R71	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		UR8	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R72	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		UR9	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R73	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		VC1	2203-005692	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,T	1	SA	
R74	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		VC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
R75	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		VC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
R78	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		VC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
R80	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		VC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
R82	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		VC14	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	SA	
R83	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		VC15	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	SA	
R84	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA		VC16	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
R85	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		VC17	2402-001086	C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.6	1	SA	
R86	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		VC18	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
R88	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA							

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
VC2	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,2012	1	SA		VXC97	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VC3	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,2012	1	SA		VXC98	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VC4	2203-005692	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,T	1	SA		VXC99	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VC5	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,2012	1	SA		VXR44	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
VC6	2203-005692	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,T	1	SA		VXR46	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
VC7	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	SA		XC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		XC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		XC160	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VD1	0403-001412	DIODE-ZENER;-5.93-6.47V,200MW,SOT-	1	SA		XC161	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VD2	0403-001412	DIODE-ZENER;-5.93-6.47V,200MW,SOT-	1	SA		XC162	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VD3	0403-001412	DIODE-ZENER;-5.93-6.47V,200MW,SOT-	1	SA		XC163	2404-001272	C-TA,CHIP;100uF,20%,16V,-,TP,7343	1	SA	
VD4	0403-001412	DIODE-ZENER;-5.93-6.47V,200MW,SOT-	1	SA		XC164	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VD5	0403-001412	DIODE-ZENER;-5.93-6.47V,200MW,SOT-	1	SA		XC165	2404-001272	C-TA,CHIP;100uF,20%,16V,-,TP,7343	1	SA	
VD6	0403-001412	DIODE-ZENER;-5.93-6.47V,200MW,SOT-	1	SA		XC166	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VE1	2402-001217	C-AL,SMD;220UF,20%,16V,WT,TP,6.6X6.6	1	SA		XC169	2404-001272	C-TA,CHIP;100uF,20%,16V,-,TP,7343	1	SA	
VE10	2402-001011	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3	1	SA		XC170	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VE11	2402-001086	C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.6	1	SA		XC171	2404-001272	C-TA,CHIP;100uF,20%,16V,-,TP,7343	1	SA	
VE12	2402-001216	C-AL,SMD;470uF,20%,16V,WT,TP,10.3x11.3	1	SA		XC172	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VE13	2402-001011	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3	1	SA		XC175	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VE14	2402-001217	C-AL,SMD;220UF,20%,16V,WT,TP,6.6X6.6	1	SA		XC176	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VE2	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2	1	SA		XC177	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VE3	2402-001086	C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.6	1	SA		XC178	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VE4	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6	1	SA		XC179	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VE5	2402-001086	C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.6	1	SA		XC180	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VE6	2402-001011	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3	1	SA		XC181	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VE7	2402-001011	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3	1	SA		XC182	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VE8	2402-001011	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3	1	SA		XC183	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VE9	2402-001086	C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.6	1	SA		XC184	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VIC1	1201-002406	IC-VIDEO AMP;SM5302AS,HSOP,28P,18.6	1	SA		XC185	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VIC2	1201-002008	IC-VIDEO AMP;MM1566AFBE,SOP,16P,9.9	1	SA		XC186	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VL1	2703-000402	INDUCTOR-SMD;1uH,20%,3225	1	SA		XC187	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VL2	2703-000166	INDUCTOR-SMD;2.7uH,5%,3225	1	SA		XC188	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VL3	2703-000166	INDUCTOR-SMD;2.7uH,5%,3225	1	SA		XC189	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR1	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XC190	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR10	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA		XC191	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR11	2007-000079	R-CHIP;1.8Kohm,5%,1/10W,TP,1608	1	SA		XC192	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR12	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XC193	2203-006090	C-CER,CHIP;10000nF,10%,6.3V,X5R,201	1	SA	
VR13	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XC194	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR14	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XC195	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR15	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XC196	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR16	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XC197	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR17	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XC198	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR2	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XC199	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR3	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XC200	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR4	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XC201	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR5	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XC202	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR6	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XC203	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
VR7	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XC204	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR8	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XC205	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VR9	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XC206	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VXC80	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		XC207	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VXC81	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		XC208	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VXC82	2203-006090	C-CER,CHIP;10000nF,10%,6.3V,X5R,201	1	SA		XC209	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VXC90	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		XC210	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VXC91	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		XC211	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VXC92	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		XC212	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VXC93	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		XC213	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VXC95	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		XC214	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
VXC96	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA		XC215	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
XR130	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA		XRN41	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR14	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN43	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR141	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN45	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR15	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN48	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR16	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN49	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR17	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN50	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR18	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN51	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR19	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN52	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR20	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN53	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN54	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR22	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN55	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR23	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN56	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR24	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN57	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR25	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN58	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR26	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN59	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR27	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN60	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR28	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN61	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR29	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN62	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR30	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN63	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR31	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN64	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR32	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN65	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR33	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN66	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR34	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN67	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR35	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN68	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR36	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN69	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR37	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN70	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR38	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN703	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR40	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN704	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR41	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN705	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR42	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN706	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR43	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN71	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR44	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN72	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR446	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN73	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR47	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XRN74	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR48	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN75	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR49	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN76	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR45	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN77	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR46	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN78	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR47	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN79	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR48	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN80	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR5	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		XRN81	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR51	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XRN82	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR66	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		XRN83	2011-001402	R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,	1	SA	
XR7	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XU1	1003-001969	IC-DISPLAY DRIVER;REON VX-50,PBGA,5	1	SA	
XR700	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XU25	2806-001308	OSCILLATOR-VCXO;27MHZ,-30PF,TP,3.3	1	SA	
XR8	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		XU27	1105-001715	IC-VIDEO RAM;M13S128168,K4D261638,G	1	SA	
XR9	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		XU28	1105-001715	IC-VIDEO RAM;M13S128168,K4D261638,G	1	SA	
XR99	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		XU29	1105-001715	IC-VIDEO RAM;M13S128168,K4D261638,G	1	SA	
XRN22	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		XU30	1105-001715	IC-VIDEO RAM;M13S128168,K4D261638,G	1	SA	
XRN23	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		XU801	1107-001648	IC-FLASH MEMORY;S29GL032A,32Mbit,4M	1	SNA	
XRN24	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		Y1	2801-004382	CRYSTAL-UNIT;54MHz,10ppm,HC-49/U,18	1	SA	
XRN25	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		P003	AK92-01493A	ASSY PCB-SMPS;BD-UP5000/XAA,ASSY PC	1	SA	
XRN26	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		BD1	0402-001608	DIODE-BRIDGE;GBJ2J,600V,2A,SIP-4,BK	1	SA	
XRN27	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		C1S01	2401-002422	C-AL;470uF,20%,200V,GP,BK,22x35,10m	1	SA	
XRN28	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		C1S02	2201-002044	C-CERAMIC,DISC;0.1NF,10%,400V,Y5P,T	1	SA	
XRN29	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		C1S03	2201-002044	C-CERAMIC,DISC;0.1NF,10%,400V,Y5P,T	1	SA	
XRN30	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA							
XRN37	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA							
XRN38	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA							
XRN39	2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA							

Exploded Views and Parts List

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
						L2S32	AH27-00039A	COIL CHOKE;DR CHOKE(8*6),DVD-R2000,	1	SA	
C1S04	2301-001792	C-FILM,LEAD;150nF,20%,275V,BK,17.5x	1	SA		L2S33	AH27-00039A	COIL CHOKE;DR CHOKE(8*6),DVD-R2000,	1	SA	
C1S05	2301-001792	C-FILM,LEAD;150nF,20%,275V,BK,17.5x	1	SA		P2P58	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3	1	SA	
C1S11	2305-001029	C-FILM,LEAD-PEF;10nF,10%,630V,TP,12	1	SA		PT01	AK26-00029A	TRANS SWITCHING;-BD-P1400,-,110-24	1	SA	
C1S12	2201-000129	C-CERAMIC,DISC;0.1nF,10%,1000V,Y5P,	1	SA		Q1S11	0505-001729	FET-SILICON;SPA04N60C3,N,600V,4.5A,	1	SA	
C1S13	2201-000576	C-CERAMIC,DISC;0.047nF,5%,50V,SL-,	1	SA		Q2P51	0501-000362	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1000	1	SA	
						Q2P52	0504-000142	TR-DIGITAL;FJN4301R,PNP,300MW,4.7K/	1	SA	
C1S14	2201-000863	C-CERAMIC,DISC;0.68nF,10%,50V,Y5P,T	1	SA		Q2P53	0505-001522	FET-SILICON;FQP33N10,N,100V,33A,52m	1	SA	
C1S15	2301-000224	C-FILM,LEAD-PEF;22nF,5%,50V,TP,7.4x	1	SA		Q2P54	0505-001522	FET-SILICON;FOP33N10,N,100V,33A,52m	1	SA	
C1S16	2301-001679	C-FILM,PEF;2.2nF,5%,50V,TP,5.8x3x7mm	1	SA		Q2P55	0501-000362	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1000	1	SA	
C1S17	2201-000987	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,B	1	SA		Q2P56	0504-000142	TR-DIGITAL;FJN4301R,PNP,300MW,4.7K/	1	SA	
C2S31	2301-000383	C-FILM,LEAD-PEF;10nF,5%,50V,TP,6x7x	1	SA		Q2P57	0504-000116	TR-DIGITAL;KSR1001,NPN,300MW,4.7K/4	1	SA	
						Q2P58	0501-000362	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1000	1	SA	
C2S82	2301-001654	C-FILM,LEAD-PEF;1000nF,5%,63V,TP,7.	1	SA		Q2P59	0504-000142	TR-DIGITAL;FJN4301R,PNP,300MW,4.7K/	1	SA	
C2S83	2307-000103	C-FILM,LEAD-PCF;100nF,5%,50V,TP,-,5	1	SA		R1S01	2002-000121	R-COMPOSITION;1Mohm,10%,1/2W,AA,TP,	1	SA	
C2S851	2307-000103	C-FILM,LEAD-PCF;100nF,5%,50V,TP,-,5	1	SA		R1S04	1404-001361	THERMISTOR-NTC;3ohm,4A-,35mW/C,0uF	1	SA	
CN1S01	3711-000203	HEADER-BOARD TO CABLE;1WALL,2P/3P,1	1	SA							
CN2	3711-004484	HEADER-BOARD TO CABLE;BOX,SP,1R,2mm	1	SA							
CN3	3711-003942	HEADER-BOARD TO CABLE;BOX,2P,1R,2mm	1	SA							
D1S11	0402-000012	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41	1	SA		R1S11	2006-000273	R-CEMENT;27KOHM,5%,2W,CA,BK,6.4X6.5	1	SA	
D1S12	0401-000005	DIODE-SWITCHING;1N4148,75V,150mA,DO	1	SA		R1S12	2006-000273	R-CEMENT;27KOHM,5%,2W,CA,BK,6.4X6.5	1	SA	
D1S13	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204	1	SA		R1S13	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3	1	SA	
D1S14	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204	1	SA		R1S14	2001-000440	R-CARBON;10HM,5%,1/8W,AA,TP,1.8X3.2	1	SA	
						R1S15	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.	1	SA	
D2S31	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204	1	SA							
D2S32	0402-001624	DIODE-RECTIFIER;SF26,400V,2A,DO-15,	1	SA		R1S16	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3	1	SA	
D2S33	0402-001624	DIODE-RECTIFIER;SF26,400V,2A,DO-15,	1	SA		R1S17	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X	1	SA	
D2S34	0402-001600	DIODE-RECTIFIER;MBRF20100CT,100V,20	1	SA		R1S18	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.	1	SA	
D2S35	0402-001600	DIODE-RECTIFIER;MBRF20100CT,100V,20	1	SA		R1S19	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X	1	SA	
						R1S20	2003-000105	R-METAL OXIDE;0.33ohm,5%,2W,AD,TP,6	1	SA	
D2S36	0402-001600	DIODE-RECTIFIER;MBRF20100CT,100V,20	1	SA							
D2S37	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204	1	SA		R1S21	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.	1	SA	
D2S38	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204	1	SA		R2P51	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA	
D2S51	0401-000005	DIODE-SWITCHING;1N4148,75V,150mA,DO	1	SA		R2P52	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA	
D2S60	0401-000005	DIODE-SWITCHING;1N4148,75V,150mA,DO	1	SA		R2P53	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3	1	SA	
						R2P54	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X	1	SA	
D2S61	0401-000005	DIODE-SWITCHING;1N4148,75V,150mA,DO	1	SA							
E1S11	2401-002608	C-AL;33uF,20%,35V,GP,TP,5x11.5	1	SA		R2P55	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3	1	SA	
E2S31	2401-001126	C-AL;330uF,20%,25V,WT,TP,10x12.5,5	1	SA		R2P56	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X	1	SA	
E2S32	2401-001126	C-AL;330uF,20%,25V,WT,TP,10x12.5,5	1	SA		R2P57	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA	
E2S33	2401-003549	C-AL;470uF,20%,25V,LZ,TP,10x16,5	1	SA		R2P59	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X	1	SA	
						R2S31	2001-000440	R-CARBON;10HM,5%,1/8W,AA,TP,1.8X3.2	1	SA	
E2S34	2401-003390	C-AL;220uF,20%,16V,LZ,TP,13x31,5,5	1	SA							
E2S35	2401-003390	C-AL;220uF,20%,16V,LZ,TP,13x31,5,5	1	SA		R2S51	2001-000019	R-CARBON(S);10OHM,5%,1/2W,AA,TP,2.4	1	SA	
E2S36	2401-001370	C-AL;470uF,20%,16V,GP,TP,8x11,5,5	1	SA		R2S60	2001-000038	R-CARBON;390OHM,5%,1/4W,AA,TP,2.4X6	1	SA	
E2S37	2401-001370	C-AL;470uF,20%,16V,GP,TP,8x11,5,5	1	SA		R2S61	2001-000070	R-CARBON;15KOHM,5%,1/4W,AA,TP,2.4X6	1	SA	
E2S38	2401-003390	C-AL;220uF,20%,16V,LZ,TP,13x31,5,5	1	SA		R2S62	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA	
						R2S72	2003-000148	R-METAL OXIDE;100ohm,5%,2W,AE,TP,6x	1	SC	
E2S39	2401-001479	C-AL;470uF,20%,10V,GP,TP,6.3*11mm,5	1	SA							
E2S40	2401-003621	C-AL;47uF,20%,63V,GP,TP,6.3x11mm,5	1	SA		R2S73	2307-000103	C-FILM,LEAD-PCF;100nF,5%,50V,TP,-,5	1	SA	
E2S41	2401-001370	C-AL;470uF,20%,16V,GP,TP,8x11,5,5	1	SA		R2S82	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3	1	SA	
E2S53	2401-002300	C-AL;47##F,20%,50V,GP,TP,6.3x11,5mm	1	SA		R2S83	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3	1	SA	
E2S54	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	1	SA		R2S84	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA	
						R2S86	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3	1	SA	
E2S55	2401-003480	C-AL;1000UF,20%,10V,LZ,TP,10X16MM,5	1	SA							
E2S56	2401-002300	C-AL;47##F,20%,50V,GP,TP,6.3x11,5mm	1	SA		R2S87	2004-000869	R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2	1	SA	
E2S57	2401-002300	C-AL;47##F,20%,50V,GP,TP,6.3x11,5mm	1	SA		R2S88	2004-000869	R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2	1	SA	
E2S58	2401-003480	C-AL;1000UF,20%,10V,LZ,TP,10X16MM,5	1	SA		VA1S01	1405-001026	VARIATOR;470V,600A,9x7mm,TP	1	SA	
E2S82	2307-000103	C-FILM,LEAD-PCF;100nF,5%,50V,TP,-,5	1	SA		VA1S03	1405-000186	VARIATOR;470V,2500A,17.5x7.5mm,TP	1	SA	
						VS221	AK39-00116A	LEAD CONNECTOR;BD-P1400,UL1007#24,U	1	SA	
F1S01	3601-000244	FUSE-CARTRIDGE;250V,2A,SLOW-BLOW,GL	1	SC							
IC1S11	1203-004788	IC-PWM CONTROLLER;ICE2QS01,DIP,8P,9	1	SA		W004	6003-000283	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(WH	4	SA	
IC1S12	0604-001028	PHOTO-COUPLER;TR,50-600%,250mW,DIP-	1	SC		ZD1S11	0403-001167	DIODE-ZENER;MTZJ30D,29.02-30.51V,50	1	SA	
IC1S81	AC14-12006D	IC;KA431Z,TO-92,TAPING	1	SA		ZD1S13	0401-000005	DIODE-SWITCHING;1N4148,75V,150mA,DO	1	SA	
IC2S51	AC14-12006N	IC-VOLT REGU;KA78R12,SIP,STICK	1	SA		ZD1S14	0403-001158	DIODE-ZENER;MTZJ18C,17.42-18.33V,50	1	SA	
						ZD1S16	0403-000509	DIODE-ZENER;MTZJ5.6B,5.4-5.7V,500mW	1	SA	
L11	AC27-92001M	COIL-INDUCTOR;RH3.5X6.5RS,BEAD(RADI	1	SC							
L1S01	AK29-00002A	FILTER EMI;RECORDER,SQ2222,0.420hm	1	SA		ZD2S51	0403-000753	DIODE-ZENER;MTZJ27D,26.2-27.6V,500m	1	SA	
L1S02	AK29-00002A	FILTER EMI;RECORDER,SQ2222,0.420hm	1	SA		ZD2S85	0403-000753	DIODE-ZENER;MTZJ27D,26.2-27.6V,500m	1	SA	
L2S31	AH27-00039A	COIL CHOKE;DR CHOKE(8*6),DVD-R2000,	1	SA		ZD2S86	0403-000753	DIODE-ZENER;MTZJ27D,26.2-27.6V,500m	1	SA	

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
P007F	AK92-01511B	ASSY PCB-FRONT KEY;BD-UP5000/XAA,AS	1	SA		H003	AK97-02013A	ASSY-BDUP LOADER;-BD-UP5000,ASSY-B	1	SA	
FC20	2202-000173	C-CERAMIC,MLC-AXIAL,1nF,10%,50V,Y5P	1	SA		AC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
FC21	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5	1	SA		AC10	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.	1	SA	
FC22	2202-000109	C-CERAMIC,MLC-AXIAL,100NF,+80-20%,5	1	SA		AC11	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	SA	
FCN2	3711-000988	HEADER-BOARD TO CABLE;BOX,5P,1R,2MM	1	SA		AC12	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	SA	
FD1	0403-000718	DIODE-ZENER;MTZJ6.8B,6.52-6.79V,500	1	SA		AC13	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	SA	
FD10	0401-000005	DIODE-SWITCHING;1N4148,75V,150mA,DO	1	SA		AC14	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	SA	
FE10	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	1	SA		AC15	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	SA	
FE6	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	1	SA		AC16	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	SA	
FE8	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	1	SA		AC17	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
FE9	2401-000249	C-AL;100uF,20%,10V,GP,TP,6.3x5,5	1	SA		AC18	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
FL1	2701-000119	INDUCTOR-AXIAL;120uH,5%,2434	1	SC		AC19	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
FL2	2701-000114	INDUCTOR-AXIAL;10uH,10%,2534	1	SA		AC2	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
FL359	3809-001993	FFC CABLE-FLAT;30V,80C,160mm,23P,1.	1	SA		AC20	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
FMIC1	AK09-00185A	IC MICOM;GMS81C2020,BD-UP5000,64PIN	1	SNA		AC21	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.	1	SA	
FMIC2	1203-001252	IC-VOL. DETECTOR;7545,TO-92,3P,-,PL	1	SA		AC22	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.	1	SA	
FR11	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3	1	SA		AC23	2404-001150	C-TA,CHIP;22uF,20%,35V,LZ,TP,7343	1	SA	
FR12	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3	1	SA		AC24	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
FR41	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X	1	SA		AC25	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
FR42	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3	1	SA		AC28	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
FR43	2001-000793	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.	1	SA		AC29	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
FR51	2001-000027	R-CARBON;100OHM,5%,1/4W,AA,TP,2.4X6	1	SA		AC3	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
FR53	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA		AC30	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
FR54	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA		AC31	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
FR58	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA		AC33	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
FR60	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA		AC34	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
FR64	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA		AC35	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
FR67	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X	1	SA		AC36	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
FR68	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X	1	SA		AC38	2203-001408	C-CER,CHIP;0.27nF,5%,50V,NP0,1608	1	SA	
FS2	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA		AC39	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
FS3	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA		AC4	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
FS5	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA		AC40	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
FS6	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA		AC41	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
FS7	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA		AC42	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
FTR1	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47	1	SA		AC43	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
FTR2	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47	1	SA		AC44	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
FU3	0609-001189	MODULE REMOCON;HORIZONTAL,16.4MM,TR	1	SC		AC45	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
FX1	2802-001094	RESONATOR-CERAMIC;4MHz,0.5%,TP,8x3x	1	SA		AC46	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
IC1	3708-002387	CONNECTOR-FPC/FFC/PIC;23P,1.25mm,AN	1	SA		AC47	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA	
KFC1	2202-000806	C-CERAMIC,MLC-AXIAL,220pF,10%,50V,Y	1	SA		AC48	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA	
KFC2	2202-000806	C-CERAMIC,MLC-AXIAL,220pF,10%,50V,Y	1	SA		AC49	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
KFR1	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA		AC5	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
KFR2	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA		AC51	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
KFR4	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA		AC53	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
KFR5	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA		AC54	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
KFR6	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA		AC55	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
KFR7	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.	1	SA		AC56	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
VFD1	AK07-00053A	VFD DISPLAY;BD-P1000,NHR-11SS63T,WH	1	SA		AC57	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,1608	1	SA	
VFD1A	AK61-00541A	HOLDER-FLT;BD-P1000,ABS,-,-,BLK,B	1	SA		AC58	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,1608	1	SA	
VS240	AK39-00094A	LEAD CONNECTOR;BD-P1000,UL 1007#26,	1	SA		AC59	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,1608	1	SA	
P007P	AK92-01507A	ASSY PCB-POWER KEY;BD-P1400,ASSY PC	1	SA		AC6	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
SCON1	3711-000988	HEADER-BOARD TO CABLE;BOX,5P,1R,2MM	1	SA		AC60	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA	
SKEY1	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA		AC61	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA	
SLED1	0601-002420	LED;ROUND,BLUE,3.0mm,470nm,3.0x5.5	1	SA		AC62	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA	
SLED2	0601-001874	LED;ROUND,RED,3.62mm,-	1	SA		AC68	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
						AC7	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.	1	SA	

Exploded Views and Parts List

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
AC70	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		DC106	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AC72	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC107	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AC73	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC108	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
AC8	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC109	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
						DC11	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AC80	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC110	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AC81	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA		DC111	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
AC9	2404-001150	C-TA,CHIP;22uF,20%,35V,LZ,TP,7343	1	SA		DC112	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
AL1	2901-001281	FILTER-EMI SMD;16V,2A-,220000pF,2.	1	SA		DC114	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AL2	2901-001281	FILTER-EMI SMD;16V,2A-,220000pF,2.	1	SA		DC115	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AL3	2901-001281	FILTER-EMI SMD;16V,2A-,220000pF,2.	1	SA		DC116	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AL4	2901-001281	FILTER-EMI SMD;16V,2A-,220000pF,2.	1	SA		DC117	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR10	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		DC118	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR11	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		DC119	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR12	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		DC120	2203-000357	C-CER,CHIP;0.15nF,5%,50V,COG,1608	1	SA	
AR13	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		DC121	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR14	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA		DC122	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR15	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA		DC123	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
AR16	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA		DC124	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
AR17	2007-000512	R-CHIP;2.4Kohm,5%,1/10W,TP,1608	1	SA		DC125	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR18	2007-000512	R-CHIP;2.4Kohm,5%,1/10W,TP,1608	1	SA		DC126	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR20	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA		DC128	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR21	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA		DC129	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR22	2007-000431	R-CHIP;16Kohm,5%,1/10W,TP,1608	1	SA		DC13	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR25	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA		DC130	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
AR26	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA		DC131	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR28	2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608	1	SA		DC133	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR3	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		DC136	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR30	2007-000079	R-CHIP;1.8Kohm,5%,1/10W,TP,1608	1	SA		DC14	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR31	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		DC140	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
AR32	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA		DC141	2203-000236	C-CER,CHIP;0.1nF,5%,50V,COG,1608	1	SA	
AR33	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		DC142	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
AR34	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	1	SA		DC143	2203-000357	C-CER,CHIP;0.15nF,5%,50V,COG,1608	1	SA	
AR36	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		DC145	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR37	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	1	SA		DC149	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR39	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA		DC15	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR4	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		DC16	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR40	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		DC160	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR41	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	SA		DC161	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR42	3301-001419	BEAD-SMD;220ohm,1608,TP,133ohm/70MH	1	SA		DC162	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR43	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA		DC163	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR48	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		DC164	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR49	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		DC165	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR5	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		DC166	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
AR6	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		DC167	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
C771	AK61-00514A	HOLDER-WIRE;SOH-BP1,PPS,T6.6,W13.9,	1	SNA		DC168	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
CON1	3708-002407	CONNECTOR-FPC/FPC/PIC;80P,0.5mm,SMD	1	SNA		DC169	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
CON2	3708-001878	CONNECTOR-FPC/FPC/PIC;6P,1MM,SMD-A	1	SA		DC17	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
CON3	3708-001992	CONNECTOR-FPC/FPC/PIC;13P,1MM,SMD-A	1	SNA		DC170	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
CON4	3708-002018	CONNECTOR-FPC/FPC/PIC;4P,1MM,SMD-A	1	SA		DC171	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
CON5	3711-005872	HEADER-BOARD TO CABLE;BOX,5P,1R,2MM	1	SA		DC172	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
CON8	3708-002052	CONNECTOR-FPC/FPC/PIC;40P,0.5MM,SMD	1	SA		DC174	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC19	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC10	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC191	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC100	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC2	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC101	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA		DC20	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC102	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA		DC22	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC103	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA		DC23	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC104	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC24	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC105	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC25	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
DC26	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC85	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC27	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC86	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC28	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC87	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC29	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC89	2203-00626	C-CER,CHIP;0.022nF,5%,50V,COG,1608	1	SA	
DC3	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC9	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
						DC90	2203-00626	C-CER,CHIP;0.022nF,5%,50V,COG,1608	1	SA	
DC30	2203-000998	C-CER,CHIP;0.047nF,5%,50V,COG,1608	1	SA		DC91	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC31	2203-000998	C-CER,CHIP;0.047nF,5%,50V,COG,1608	1	SA		DC92	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC32	2203-000998	C-CER,CHIP;0.047nF,5%,50V,COG,1608	1	SA		DC93	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC33	2203-000998	C-CER,CHIP;0.047nF,5%,50V,COG,1608	1	SA		DC94	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC34	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC95	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC35	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC97	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC36	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC98	2203-00626	C-CER,CHIP;0.022nF,5%,50V,COG,1608	1	SA	
DC37	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DC99	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
DC38	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DL1	2703-000125	INDUCTOR-SMD;10uH,10%,2012	1	SA	
DC4	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR1	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
DC40	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR10	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC41	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR100	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC42	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR101	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC44	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR102	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
DC45	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR103	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
DC47	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR104	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DC48	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR105	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
DC49	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		DR106	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DC5	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR107	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
DC50	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR108	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DC51	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR109	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DC52	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR11	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC53	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR111	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DC54	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR112	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
DC55	2203-000783	C-CER,CHIP;0.33nF,5%,50V,COG,1608	1	SA		DR113	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC56	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR114	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC57	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR118	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC58	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR12	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DC59	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA		DR13	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DC60	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR130	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DC61	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR14	2011-000660	R-NETWORK;1Kohm,5%,1/16W,L,CHIP-V,8	1	SA	
DC62	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR140	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DC63	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR141	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DC64	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR142	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DC65	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR143	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DC67	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA		DR144	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC68	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR145	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC69	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR149	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DC7	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR15	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DC70	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR150	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DC71	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR151	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC72	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR152	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DC73	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA		DR16	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DC74	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR19	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC75	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR2	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
DC76	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR20	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC77	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR21	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	SA	
DC78	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR22	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA	
DC79	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR25	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC8	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR26	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DC80	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR27	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA	
DC82	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR28	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	SA	
DC83	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		DR29	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
DC84	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA							

Exploded Views and Parts List

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
DR3	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		DR87	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DR30	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		DR9	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DR300	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		DR90	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DR301	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		DR91	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DR302	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		DR93	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	SA	
DR303	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,	1	SA		DR96	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DR304	2011-001085	R-NETWORK;82ohm,5%,1/16W,L,CHIP,8P,	1	SA		DR99	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DR31	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA		FL261	3809-001927	FFC CABLE-FLAT;30V,80,111,80P,0.5mm	1	SNA	
DR32	3301-001233	BEAD-SMD;300ohm,1608,-,-,-	1	SA		H102	AK61-00521A	BODY CLAMPER-DISC;BD-P1,POM,T1,-,L4	1	SNA	
DR33	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA		H103	AK66-00061A	GEAR-PULLEY;DP-RW,POM,-,-,-,-,BLK	1	SNA	
DR34	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA		H105	6602-001076	BELT-RECTANGULAR;CR,T1,2.4,3%,1.2X2	1	SA	
DR35	3301-001233	BEAD-SMD;300ohm,1608,-,-,-	1	SA		H106	AK66-00062A	GEAR-TRAY;DP-RW,POM,-,-,-,-,WHT,-,-,-	1	SNA	
DR36	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA		H108	AK63-00216A	TRAY-DISC;DP-RW,ABS,-,-,-,-,-,-,-,-,-	1	SNA	
DR37	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		H202	AK73-00031B	RUBBER-INSULATOR;DP-R4H,BUTYL,OD12,	4	SNA	
DR4	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		H203	AK66-00072A	SHAFT-PU;DP-RW2,SUS420J2,91.5,3,NAT	1	SNA	
DR40	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		H207	AK31-00034A	MOTOR SPINDLE;UB-P1,8500,DC12V,9.8m	1	SNA	
DR41	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		H209	AK64-01010A	CHASSIS-SUB;DP-RW,ABS,-,-,-,BLK,-,-,-	1	SNA	
DR42	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		H211	AK97-02093A	ASSY-PICK UP,-,SOH-UB1,DUO HD PLAYE	1	SNA	
DR44	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		H268	AK61-00452A	SPRING ETC-HINGE PU;DP-R2,SUS304WPB	1	SNA	
DR45	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		H271	AK61-00718A	HINGE-PU;UB-P1,POM(TX-31) NATURAL,	1	SNA	
DR46	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		H401	AK61-00400A	FRAME-MAIN;DP-RW,ABS,-,-,BLK,-,-,-	1	SNA	
DR47	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		IC1	1203-003176	IC-MULTI REG.;BA33C18HFP,HRP,5P,9.3	1	SA	
DR48	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		IC11	1105-001397	IC-DRAM;K4S641632,-,64Mbit,1Mx16x4B	1	SA	
DR49	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		IC12	1105-001397	IC-DRAM;K4S641632,-,64Mbit,1Mx16x4B	1	SA	
DR5	2011-000660	R-NETWORK;1Kohm,5%,1/16W,L,CHIP-V,8	1	SA		IC13	0801-00254A	IC-CMOS LOGIC;74ACT08,AND GATE,TSSO	1	SA	
DR50	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		IC14	AK09-00051A	IC MICOM,-,-,-,0.3 ~ +3.8V,30Mhz,-	1	SNA	
DR51	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		IC15	1103-000170	IC-EEPROM;24C64A,64Kbit,8Kx8Bit,SOP	1	SA	
DR53	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA		IC16	AK13-00021A	IC ASIC;S5L1800A,BD-PLAYER,256,3.3	1	SA	
DR54	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		IC17	AK13-00022A	IC ASIC;S5L1900X,BD-PLAYER,256,3.3	1	SA	
DR55	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA		IC2	1203-001816	IC-POSIFIXED REG.;78M08,TO-252,3P,	1	SA	
DR56	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA		IC20	0801-002097	IC-CMOS LOGIC;7ST08,AND GATE,SOP,5P	1	SA	
DR57	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		IC21	0801-002097	IC-CMOS LOGIC;7ST08,AND GATE,SOP,5P	1	SA	
DR58	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA		IC23	1301-001808	IC-CPLD;EPM570T100I5N,TQFP,100P,14x	1	SA	
DR59	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		IC25	1203-003177	IC-VOL. DETECTOR;BD5326G,SSOP,5P,2.	1	SA	
DR6	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		IC3	1203-002454	IC-POSIFIXED REG.;FAN1117A,TO-252,	1	SA	
DR60	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		IC30	1203-002945	IC-POSIFIXED REG.;AP1117E25A,SOT-2	1	SA	
DR61	2007-000116	R-CHIP;120ohm,5%,1/10W,TP,1608	1	SA		IC4	1003-001780	IC-MOTOR DRIVER;BD7954FS,SSOP,54P,2	1	SA	
DR62	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	SA		IC5	AK13-00023A	IC ASIC;S1L1300X,BD-PLAYER,144,5 V,	1	SNA	
DR63	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	SA		IC7	1003-001515	IC-MOTOR DRIVER;BA6846FV,SSOP,14P,1	1	SA	
DR64	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	1	SA		P001	AK92-01453A	ASSY PCB;BD-UP5000,FRONT-END PCB	1	SNA	
DR65	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA		P198	AK97-01204A	ASSY-PCB MOTOR;ASSY,DP-R2,DP-R2	1	SNA	
DR67	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA		P198	AK97-01204A	ASSY-PCB MOTOR;ASSY,DP-R2,DP-R2	1	SNA	
DR68	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	SA		P274	AK97-01370A	ASSY-COVER;SECC,BD-P1,T.0.8	1	SNA	
DR69	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK63-00262A	GROUND-TERMINAL R;DP-R2,SECC,0.6T,-	1	SNA	
DR7	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK63-00263A	GROUND-TERMINAL L;DP-R2,SECC,0.6T,-	1	SNA	
DR70	2007-000116	R-CHIP;120ohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK97-01949A	ASSY-UNIVERSAL PLAYER DECK;ASSY,UB-	1	SNA	
DR71	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK97-01203A	ASSY-FRAME MAIN;ASSY,BD-P1,BD-P1	1	SNA	
DR72	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA		S.N.A	0205-001033	GREASE;PL-30G,W650030019,-	0.1	SNA	
DR76	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK63-00213A	COVER-CLAMPER DISC PU;DP-RW,SECC,0.	1	SNA	
DR77	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK97-01371A	ASSY-CLAMPER;POM,SECC,BD-P1,T.0.6	1	SNA	
DR79	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK61-00524A	BRACKET-MAGNET;BD-P1,SECC,TO.6,W1.7	1	SNA	
DR8	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK68-00433B	LABEL-WARNING DRIVE;BD-P,-,ART PAPE	1	SNA	
DR80	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK97-01948A	ASSY-TRAVERSE;ASSY,UB-P1,#####	1	SNA	
DR81	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK66-00038A	PULLEY MOTOR;DP-R1,POM,-,BLK,1.95,7	1	SNA	
DR82	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK31-00001A	MOTOR-LOADING;RF-300EH-1D390,DP-9,1	1	SA	
DR83	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK66-00038A	PULLEY MOTOR;DP-R1,POM,-,BLK,1.95,7	1	SNA	
DR84	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK31-00001A	MOTOR-LOADING;RF-300EH-1D390,DP-9,1	1	SA	
DR85	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		S.N.A	3409-001138	SWITCH-DETECTOR;5V DC,1A,DPST,30GF,	1	SA	
DR86	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		S.N.A	AK41-00319A	PCB-MOTOR;DP-R2,PHENOL,1,00,T1.6,53	1	SNA	

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
S.N.A.	AK41-00320A	FFC-HOUSING;DP-R2,PITCH1.0,PET,6P,T	1	SNA		SR5	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
S.N.A.	3409-001138	SWITCH-DETECTOR;5V DC,1A,DPST,30GF,	1	SA		SR6	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
S.N.A.	AK41-00319A	PCB-MOTOR;DP-R2,PHENOL,1.00,T1.6,53	1	SNA		SR7	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
S.N.A.	AK41-00320A	FFC-HOUSING;DP-R2,PITCH1.0,PET,6P,T	1	SNA		SR8	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
S.N.A.	AK66-00038A	PULLEY MOTOR;DP-R1,POM,-,BLK,1.95,7	1	SNA		SR9	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
S.N.A.	AK31-00001A	MOTOR-LOADING;RF-300EH-1D390,DP-9,1	1	SA		T037	AK66-00060A	SLIDER-CAM;DP-RW,POM,-,-,WHT,-	1	SNA	
S.N.A.	AK66-00038A	PULLEY MOTOR;DP-R1,POM,-,BLK,1.95,7	1	SNA		VS149	AK97-01205A	ASSY-MOTOR;ASSY,DP-R2,DP-R2	1	SNA	
S.N.A.	AK31-00001A	MOTOR-LOADING;RF-300EH-1D390,DP-9,1	1	SA		VS149	AK97-01205A	ASSY-MOTOR;ASSY,DP-R2,DP-R2	1	SNA	
S.N.A.	AK63-00215A	COVER-UPPER;DP-RW,SECC,T0.6,-,-,-,-	1	SNA		W012	6002-001086	SCREW-TAPPING;PH,+,-,B,M1.7,L5.0,ZP	1	SA	
S.N.A.	AK61-00617A	BRACKET-SKEW REF;BD-P2,SUS301,T0.35	1	SNA		W018	6003-001450	SCREW-TAPTITE;PH,+,-,S,M2.6,L5,ZPC(3	SA	
S.N.A.	AK61-00618A	BRACKET-SKEW M;BD-P2,SUS301,T0.35,W	3	SNA		W212	6003-001251	SCREW-TAPTITE;CH,+,-,B,M1.7,L3,ZPC(5	SA	
S.N.A.	AK61-00719A	BRACKET-DECK;UB-P1,SECC 1/8H,T2.0,W	1	SNA		W298	6003-001508	SCREW-TAPTITE;PH,+,-,B,M1.4,L3,NI PLT	2	SA	
S.N.A.	AK66-00050A	SHAFT-PU L98;BD-P,SUS420J2,L98,OD,3,	1	SNA		W327	6004-001071	SCREW-SET;HEX,M3,L6,ZPC(BLK),SWRCH1	4	SA	
S.N.A.	AK31-00024A	MOTOR STEP-FEED;-;DP-RW,727 mA,2000	1	SNA		W352	6001-000883	SCREW-MACHINE;PH,+,-,M1.4,L5,ZPC(BLK)	1	SNA	
SC1	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,1608	1	SA		W353	6003-001199	SCREW-TAPTITE;PWH,+,-,B,M2,L7,ZPC(W	4	SA	
SC10	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	SA		W376	6001-000805	SCREW-MACHINE;CH,+,-,M1.7,L3,NI PLT	3	SA	
SC11	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		W377	6001-001291	SCREW-MACHINE;CH(0.5),+,-,M1.7,L4,Z	3	SA	
SC12	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		W378	6001-001452	SCREW-MACHINE;BH,+,-,M1.4,L2.5,ZPC(1	SA	
SC14	2404-001150	C-TA,CHIP;22uF,20%,35V,LZ,TP,7343	1	SA		W380	6001-001608	SCREW-MACHINE;PH,+,-,M1.7,L7.5,ZPC(BL	1	SNA	
SC15	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA		W381	6003-001449	SCREW-TAPTITE;BH,+,-,B,M2.6,L6,NI PLT	2	SA	
SC16	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		W382	6003-001478	SCREW-TAPTITE;PH,+,-,B,M2.6,L8,ZPC(YE	2	SA	
SC17	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		X1	2801-004180	CRYSTAL-SMD;33.8688MHZ,50PPM,28-AAN	1	SA	
SC18	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		X2	2801-004180	CRYSTAL-SMD;33.8688MHZ,50PPM,28-AAN	1	SA	
SC19	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		X3	2801-004074	CRYSTAL-SMD;40MHz,50ppm,28-AAN,18pF	1	SA	
SC2	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,1608	1	SA		AC99-40332E	ASSY PCB,c;BD-UP5000,FRONT-END PCB	1	SNA		
SC20	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		0202-001221	SOLDER-CREAM;PF305-116HO(A),-25-45	2.06	SNA		
SC21	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		AK41-00697A	PCB-FRONT END;BD-UP5000,EPOXY,4L,00	0.5	SNA		
SC22	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		AC99-90334U	ASSY PCB,m;BD-UP5000,FRONT-END PCB	1	SNA		
SC23	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA		0202-001214	SOLDER-WIRE FLUX;HI-ALMIT HR19M LFM	0.167	SNA		
SC24	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA		0201-001081	ADHESIVE-AA;1401C,RED,-,BOND-LOCK S	0.01	SNA		
SC25	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA		0201-001819	ADHESIVE-UV;8833M,YELLOW,21000mPas,	0.08	SNA		
SC26	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA		AK63-00281A	COVER-ACT;SOH-BP1,SUS-301,T0.3,W18,	1	SNA		
SC3	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,1608	1	SA		AK63-00382A	PROTECTOR-FILM OL;SOH-DR3,PVC,0.085	1	SNA		
SC4	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,1608	1	SA		AK97-02092A	ASSY-SUB PICK UP;-;SOH-UB1,DUO HD P	1	SNA		
SC5	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,1608	1	SA		0201-001525	ADHESIVE-UV;8840L,YEL,TRANS,23000,D	0.06	SNA		
SC6	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,1608	1	SA		0201-001709	ADHESIVE-UV;8839L,YEL,24500mPa.s,-	0.01	SNA		
SC7	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	SA		0202-001499	SOLDER-WIRE FLUX;SR34 SUPER LFM-48,	0.05	SNA		
SC9	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	SA		AK61-00539A	HOLDER-ASL;SOH-UB1,Zn,T4.5,W7.0,L6,	1	SNA		
SR1	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		AK61-00649A	HOLDER-HOE;SOH-UB1,Zn,T2.65,W16,L5,	1	SNA		
SR10	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		AK67-00066A	LENS-OL HD;SOH-UP5000,PLASTIC,NTR,P	1	SNA		
SR11	2007-000034	R-CHIP;1ohm,5%,1/4W,TP,3216	1	SA		AK67-00067A	LENS-ASL;SOH-UP5000,PLASTIC,NTR,PI	1	SNA		
SR12	2007-000034	R-CHIP;1ohm,5%,1/4W,TP,3216	1	SA		AK67-00072A	LENS-PHOE HWP;SOH-UP5000,GLS,NTR,3,	1	SNA		
SR13	2007-000034	R-CHIP;1ohm,5%,1/4W,TP,3216	1	SA		AK97-02085A	ASSY-ACT;-;SOH-UB1,DUO HD PLAYER	1	SNA		
SR14	2007-000034	R-CHIP;1ohm,5%,1/4W,TP,3216	1	SA		0201-001230	ADHESIVE-CYA;LOCTITE 480,BLK,300,-	0.005	SNA		
SR15	2007-000502	R-CHIP;2.2ohm,5%,1/8W,TP,2012	1	SA		0201-001371	ADHESIVE-SIL;KE3494,GRAY,50 PA,OL P	0.005	SNA		
SR16	2007-000502	R-CHIP;2.2ohm,5%,1/8W,TP,2012	1	SA		0201-001537	ADHESIVE-UV;SDM-378,WHT,11000mPas,-	0.05	SNA		
SR17	2007-000130	R-CHIP;39Kohm,5%,1/10W,TP,1608	1	SA		0201-001709	ADHESIVE-UV;8839L,YEL,24500mPa.s,-	0.01	SNA		
SR18	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		0201-001819	ADHESIVE-UV;8833M,YELLOW,21000mPas,	0.05	SNA		
SR19	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		0202-001499	SOLDER-WIRE FLUX;SR34 SUPER LFM-48,	0.05	SNA		
SR2	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		3302-001643	MAGNET-RARE EARTH;AF,-,14000Gauss,4	2	SNA		
SR20	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		3812-001436	WIRE-NO SHEATH CU;SCM,-,15.5,-,-,YE	4	SNA		
SR21	2007-000098	R-CHIP;56Kohm,5%,1/10W,TP,1608	1	SA		3812-001437	WIRE-NO SHEATH CU;SCM,-,15.5,-,-,SI	2	SNA		
SR22	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		AK41-00413A	PCB-HOLDER-WIRE;SOH-BP1,EPOXY,1.00,	1	SNA		
SR23	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	SA		AK61-00513A	BASE-YOKE;SOH-BP1,SPCC,T1.2,W18.5,L	1	SNA		
SR24	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	SA		AK67-00064A	LENS-OL BD;SOH-BP1,GLASS,NTR,PI4,4,	1	SNA		
SR25	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		AK67-00071A	LENS-PHOE;SOH-UP5000,GLS,NTR,3.5*3,	1	SNA		
SR30	2007-000502	R-CHIP;2.2ohm,5%,1/8W,TP,2012	1	SA		AK67-00078A	LENS-B GT;SOH-UP5000,GLS,NTR,3.5*3,	1	SNA		
SR31	2007-000502	R-CHIP;2.2ohm,5%,1/8W,TP,2012	1	SA		AK97-02020A	ASSY-BLADE;BLADE,COIL,PCB,SOH-UB,-	1	SNA		
SR40	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA							

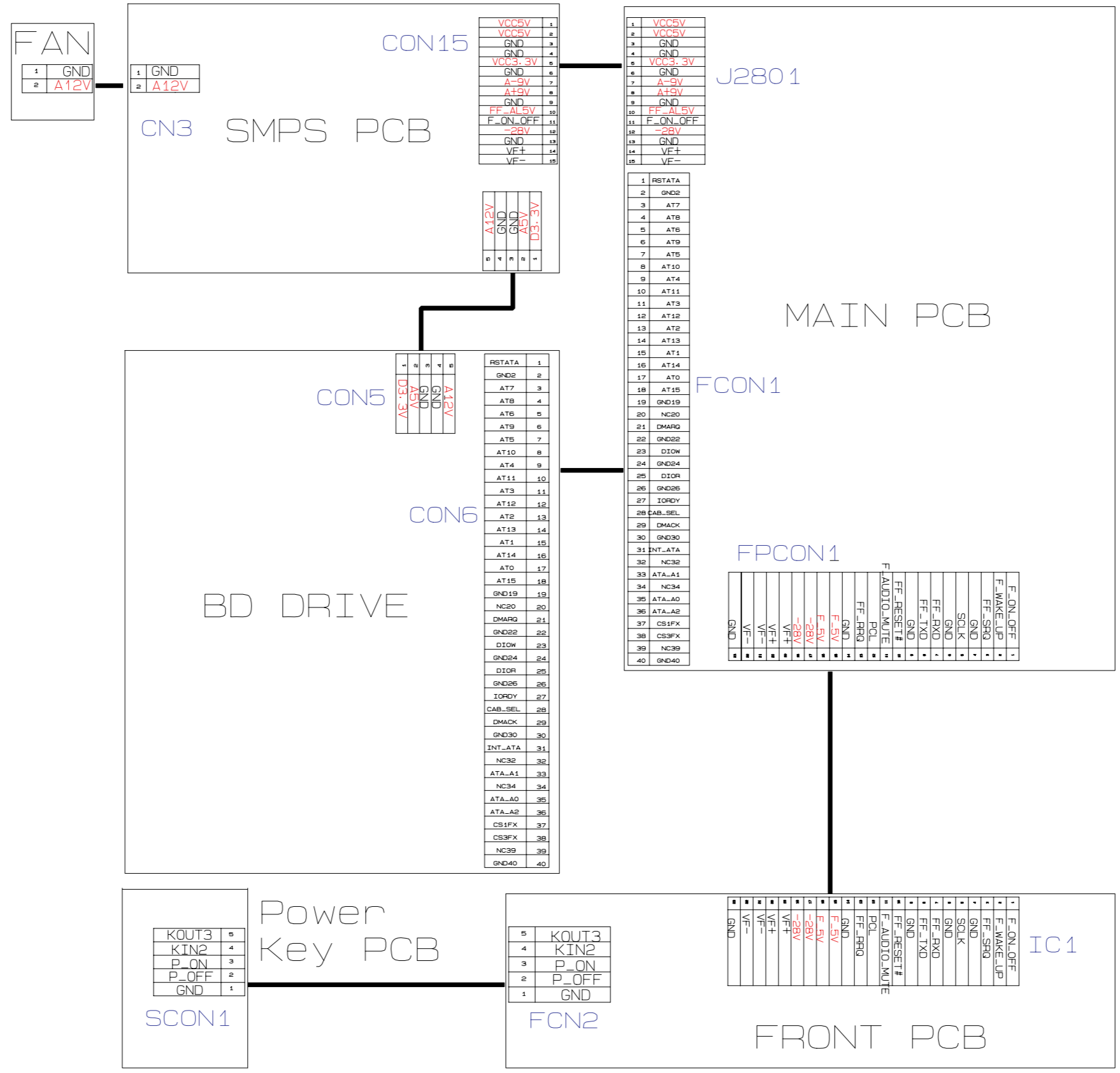
Exploded Views and Parts List

Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark	Loc.No	Parts No	Description : Specification	Q'ty	S.N.A	Remark
	AK61-00781A	BLADE;SOH-UB,E5006L,WHITE,10.05x8.4	1	SNA			AK61-00572A	HOLDER-CL;SOH-UB1,PPS,T1,W17,L30,BL	1	SNA	
	AK97-02091A	ASSY-OPT;-;SOH-UB1,DUO HD PLAYER	1	SNA			AK66-00076A	SHAFT-MAIN CLD;SOH-BP1,SUS303C,25.5	1	SNA	
	0201-001411	ADHESIVE-UV;8833,YEL,50000,250G/1BT	0.02	SNA			AK66-00077A	SHAFT-SUB CLD;SOH-BP1,SUS303C,12.5,	1	SNA	
	0201-001525	ADHESIVE-UV;8840L,YEL,TRANS,23000,D	0.04	SNA			AK67-00065A	LENS-CL HD;SOH-UP5000,PLASTIC,NTR,P	1	SNA	
							AK67-00080A	LENS-CL BD;BD-P1500,Glass(Zeonex340	1	SNA	
	0201-001819	ADHESIVE-UV;8833M,YELLOW,21000mPas,	0.09	SNA							
	0201-001988	ADHESIVE-AA;EX-0136,WHT,20000-40000	0.04	SNA							
	0202-001499	SOLDER-WIRE FLUX;SR34 SUPER LFM-48,	0.08	SNA							
	0602-001144	LASER-HOLOGRAM;20mW,1.5V,1.5V	1	SNA		C002	AK64-02105A	DOOR-TRAY;BD-P1400,ABS 94HB,T2,H20,	1	SA	
	0602-001153	DIODE-LASER;20mW,2,405nm,-	1	SNA		C011	AK61-00519A	SPRING ETC-DOOR;DVD-SR420,STS304WBP	1	SA	
						C928	AK63-00197A	GASKET-EMI;DP-R1,EMI sheet,T0.1,W75	1	SA	
	AK61-00535A	PLATE-PD BD;SOH-UB1,Zn,T2.0,W9.6,L7	1	SNA							
	AK61-00536A	PLATE-PD HD;SOH-UB1,Zn,T3.0,W10.0,L	1	SNA		C-RCA	MF39-00274A	CABLE RCA;SIR-S4120R,-,3P,1830,RE	1	SA	
	AK61-00538A	HOLDER-GT;SOH-UB1,Zn,T3.1,W5.0,-,GR	1	SNA		FL623	3809-001833	CABLE-FLAT;30V,80C,200mm,40P,0.5mm,	1	SA	
	AK61-00540A	BASE-PU;SOH-UB1,ZnDC,T9.4,W37.2,L59	1	SNA		I/B	AK68-01477B	MANUAL USERS;BD-UP5000/XAC,XAC,ENG,	1	SA	
	AK61-00650A	HOLDER-LD UNIT;SOH-UB1,Zn,T1.7,W5.0	1	SNA		P-CASE	AK69-00574J	PACKING CASE;BD-UP5000/XAC,PAPER,SW	1	SA	
						VS227	AK39-00096A	LEAD CONNECTOR;BD-P1000,UL 1007#24,	1	SA	
	AK61-00807A	HOLDER-BLU LD;SOH-UB1,ZnDC,T4.5,W8.	1	SNA							
	AK63-00308A	COVER-GT;SOH-UB1,PBR,T0.2,W3.3,L8.3	1	SNA		W001	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC/B	9	SA	
	AK67-00045A	LENS-GRATING;SOH-BP1,B270,NTR,3.0*2	1	SNA		W009	6003-000276	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC/W	13	SA	
	AK67-00068A	LENS-FDL;SOH-UP5000,PLASTIC,NTR,PI	2	SNA		W271	6009-001411	SCREW-SPECIAL;TH,+,-,M5,L14,NI PLT,	2	SA	
	AK67-00069A	LENS-QWP3;SOH-UP5000,GLS,NTR,5.0*4.	1	SNA		W275	6003-001561	SCREW-TAPTITE;BH,+,-,B,M3,L6,ZPC/WH	3	SA	
						W289	6003-001264	SCREW-TAPTITE;CH,HEX,-,S,M3,L10,NI	2	SA	
	AK67-00070A	LENS-HWP;SOH-UP5000,GLS,NTR,3.6*3.6	1	SNA							
	AK67-00073A	LENS-DFMR;SOH-UP5000,GLS,NTR,10.6*8	1	SNA		W344	6003-001076	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC/BL	1	SA	
	AK67-00074A	LENS-CBS1;SOH-UP5000,GLS,NTR,9.6*4.	1	SNA		W348	6003-000255	SCREW-TAPTITE;BWH,+,-,B,M3,L8,ZPC/W	8	SA	
	AK67-00075A	LENS-PMR;SOH-UP5000,GLS,NTR,4.24*3.	1	SNA							
	AK67-00076A	LENS-CBS2;SOH-UP5000,GLS,NTR,5.0*5.	1	SNA							
	AK67-00077A	LENS-DVD CD GT;SOH-UP5000,PLASTIC,N	1	SNA							
	AK97-02086A	ASSY-FPCB;-;SOH-UB1,DUO HD PLAYER	1	SNA							
	0202-001221	SOLDER-CREAM;PF305-116HO(A)-,25-45	0.05	SNA							
	0603-001212	PHOTO-RECEIVER;5.7V,15mA,405nm,-	2	SNA							
	0603-001213	PHOTO-RECEIVER;5.7V,23mA,405nm,-	2	SNA							
	1003-002065	IC-DIODE DRIVER;-;QFN,38P,5x7mm,-,8	1	SNA							
	1404-001328	THERMISTOR-NTC;10Kohm,-,3370K,-,-,-	1	SNA							
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	5	SA							
	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA							
	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	3	SA							
	2007-000145	R-CHIP;6.2Kohm,5%,1/16W,TP,1005	1	SA							
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	2	SA							
	2007-000287	R-CHIP;100ohm,1%,1/10W,TP,1608	3	SA							
	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA							
	2007-000772	R-CHIP;33Kohm,1%,1/10W,TP,1608	1	SA							
	2007-007315	R-CHIP;3.9Kohm,1%,1/16W,TP,1005	1	SA							
	2104-001087	VR-SMD;2.2Kohm,25%,0.15W,TOP	2	SA							
	2104-001125	VR-SMD;1KOHM,25%,1/10W,TOP	1	SA							
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	5	SA							
	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	11	SA							
	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	7	SA							
	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	6	SA							
	3708-002407	CONNECTOR-FPC;FFC/PIC;80P,0.5mm,SMD	1	SNA							
	AK41-00730A	FPC-MAIN;SOH-UB1,-,RIGID FPCB,80.0.	1	SNA							
	AK97-02090A	ASSY-CLD;-;SOH-UB1,DUO HD PLAYER	1	SNA							
	0201-001388	ADHESIVE-CYA;LOCTITE 460,WHT,45 MPA	0.005	SNA							
	0201-001525	ADHESIVE-UV;8840L,YEL,TRANS,23000,D	0.02	SNA							
	0201-001709	ADHESIVE-UV;8839L,YEL,24500mPa.s,-	0.02	SNA							
	0202-001499	SOLDER-WIRE FLUX;SR34 SUPER LFM-48,	0.05	SNA							
	0205-001226	GREASE;FLOIL KG-513,WHT,1KG	0.01	SNA							
	0604-001302	PHOTO-INTERRUPTER;TR,-,100mW,-,-	1	SA							
	AK31-00030A	MOTOR STEP-CLD;-;SOH-BP1,-,-,-,2.5-	1	SNA							
	AK41-00729A	FPC-CLD;SOH-UB1,-,POLYIMIDE,8.0,12.2	1	SNA							
	AK61-00534A	BASE-CLD;SOH-BP3,ZN,T4.6,W14.1,L25.	1	SNA							
	AK61-00545A	SPRING ETC-CLD;SOH-BP1,STS304-WBP,0	1	SNA							

6. PCB Diagrams

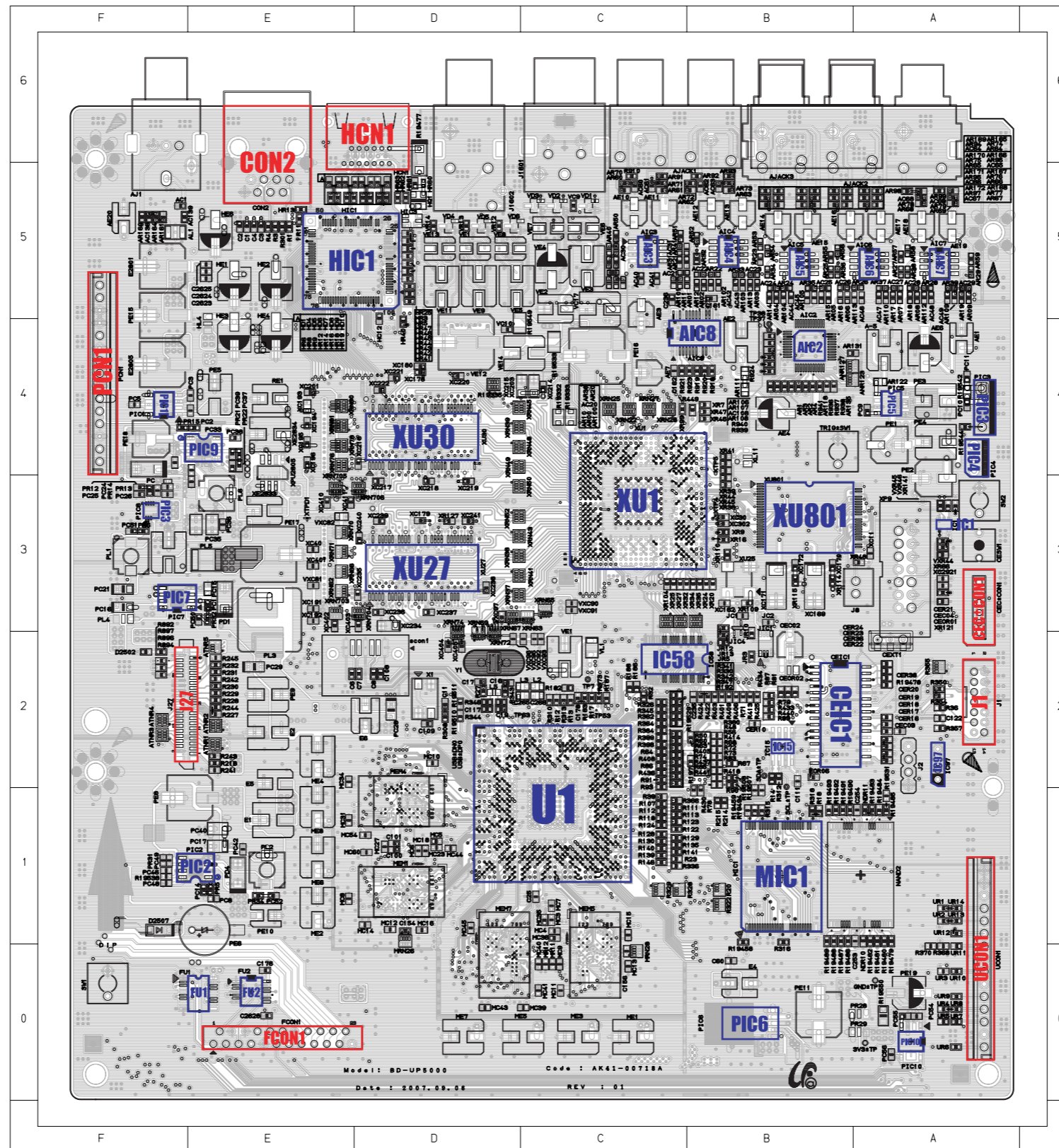
6-1 Wiring Diagram	6-2
6-2 Main PCB	6-3
6-3 S.M.P.S PCB	6-6
6-4 Front PCB	6-8
6-5 Power Key PCB	6-9

6-1 Wiring Diagram

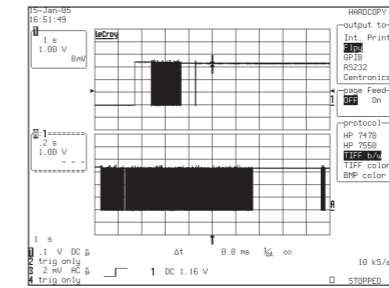
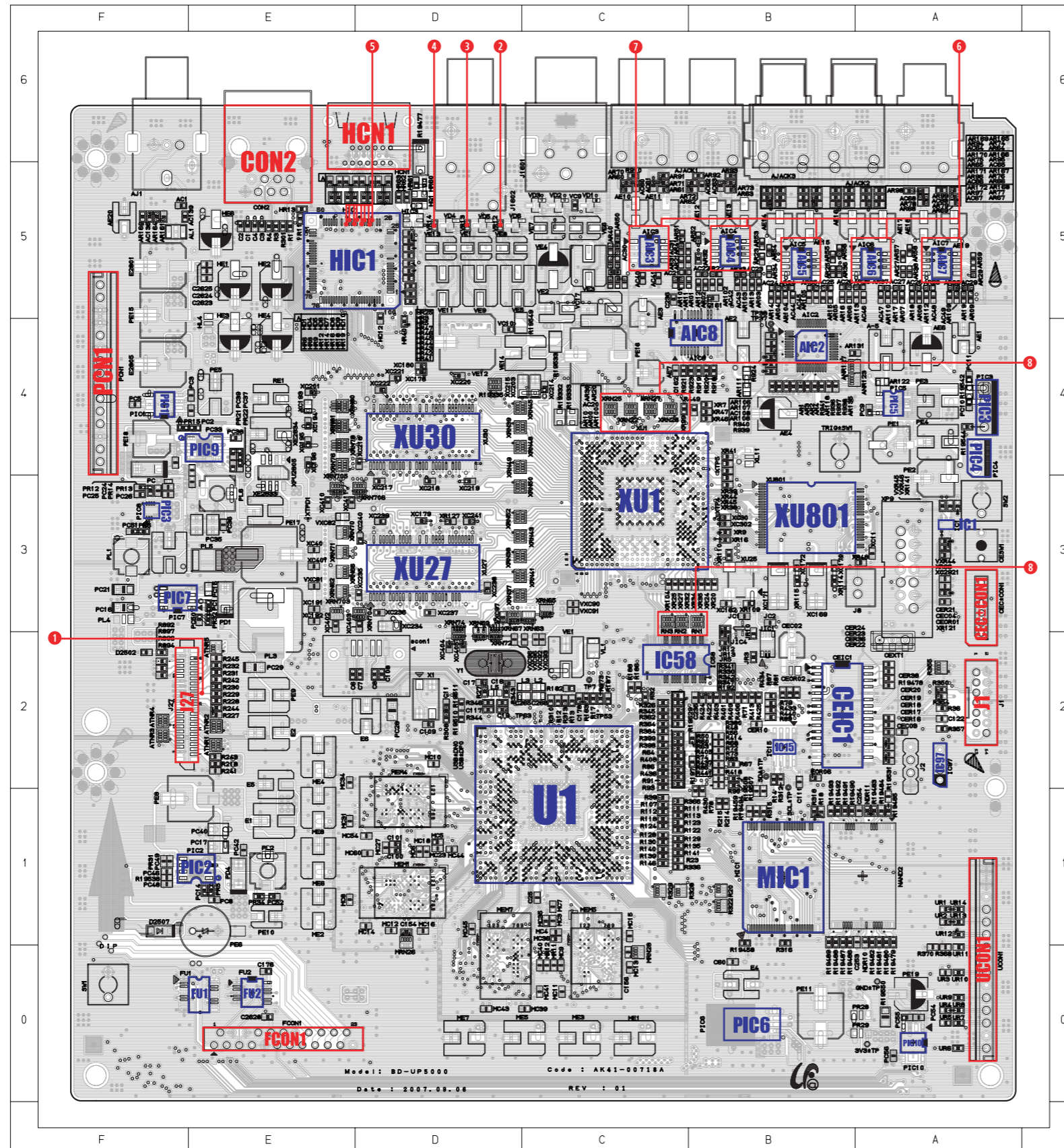


6-2 Main PCB

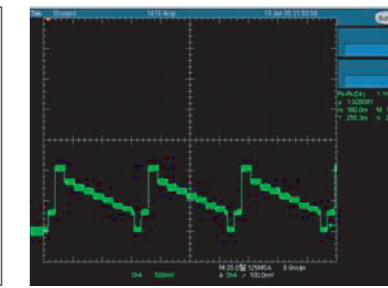
COMPONENT SIDE



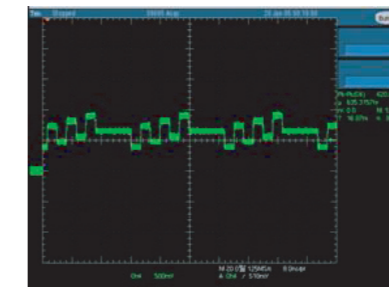
LOC.NO	X-Y
UCON1	A-0
PIC10	A-0
IC97	A-2
J1	A-2
CEC+CON1	A-2
IC1	A-3
PIC4	A-4
PIC3	A-4
PIC5	A-4
AIC7	A-5
AIC6	A-5
PIC6	B-0
MIC6	B-1
CEIC1	B-2
IC15	B-2
IC58	B-2
XU801	B-3
XU1	B-3
AIC2	B-4
AIC8	B-4
AIC5	B-5
AIC4	B-5
U1	C-1
XU27	D-3
XU30	D-4
HIC1	D-5
HCN1	D-6
FCON1	E-0
FU2	E-0
FU1	E-0
PIC2	E-1
J27	E-2
PIC7	E-3
PIC9	E-4
CON2	E-5
PIC3	F-3
PIC1	F-4
PCN1	F-4



1 J27 Pin 25



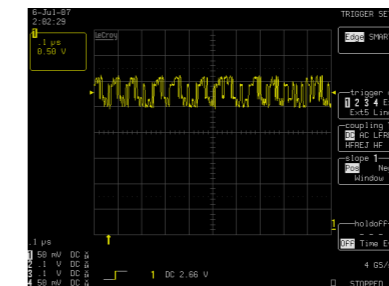
2 Y(Color-bar) Pin-VR12



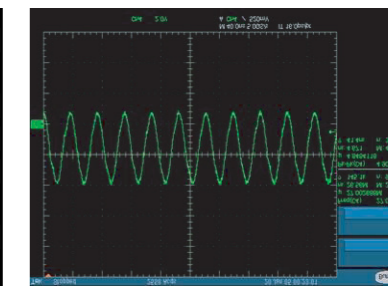
3 Pb(Color-bar) Pin-VR13



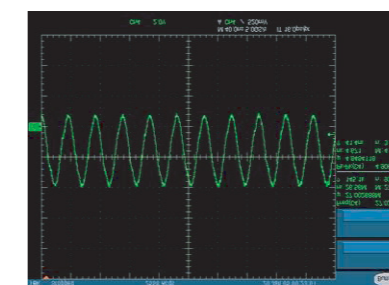
4 Pr(Color-bar) Pin-VR14



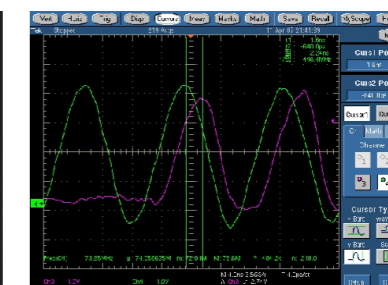
5 HDMI OUTPUT DATA HIC1 (pin30,31,33,34,36,37,39,40)



6 ANALOG AUDIO DATA(AIC3,4,5,6,7)

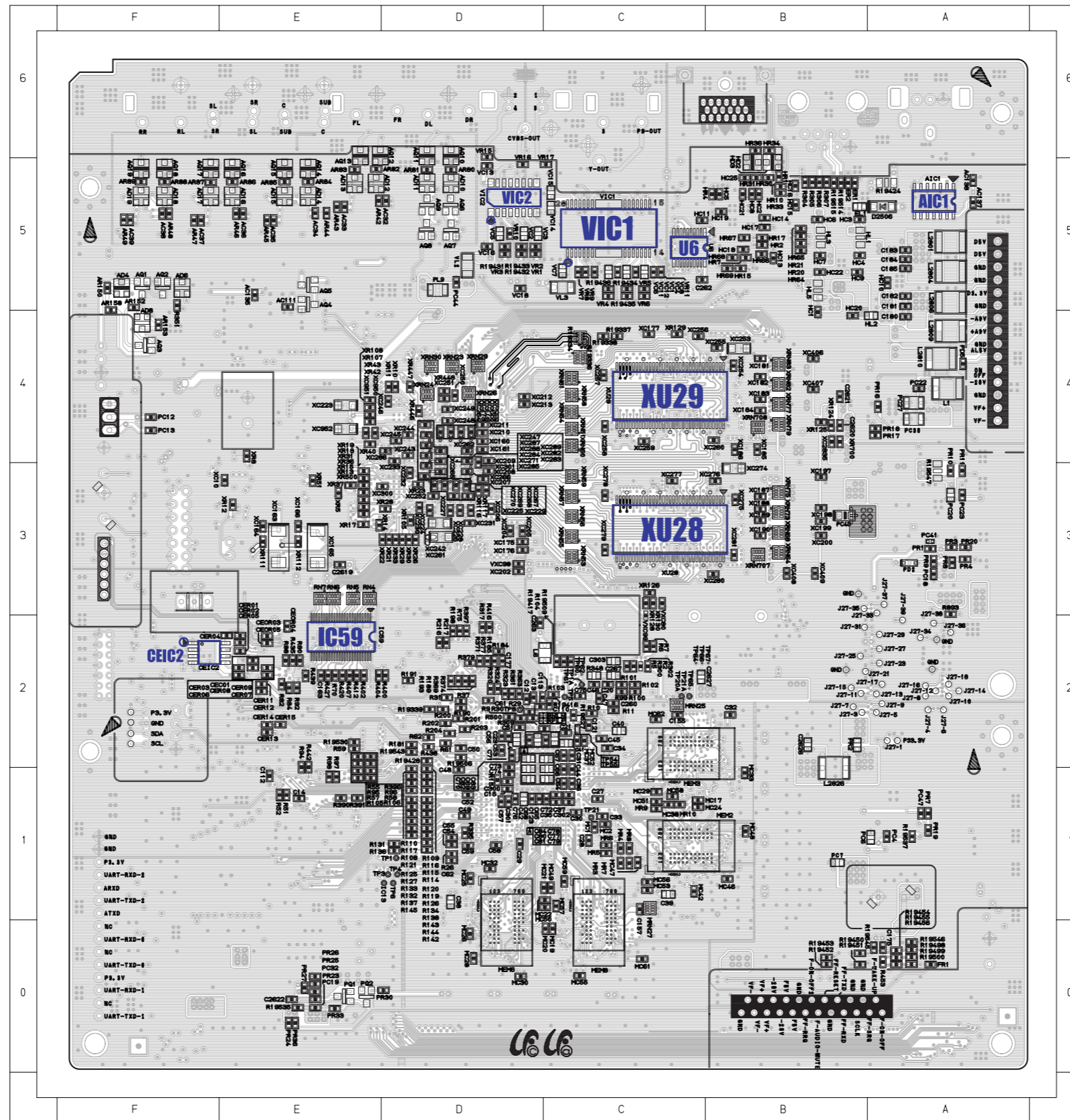


7 ANALOG AUDIO DATA AIC3, AIC8 (Pin6, Pin20~23)

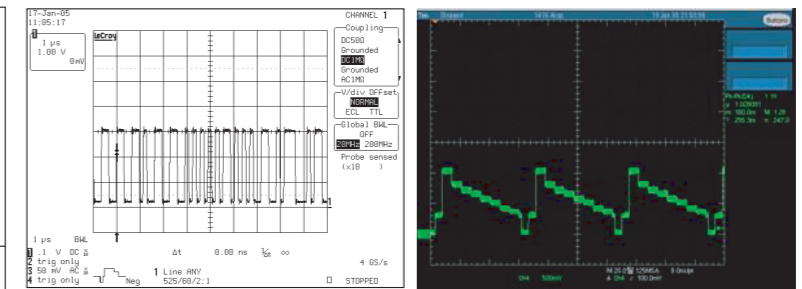
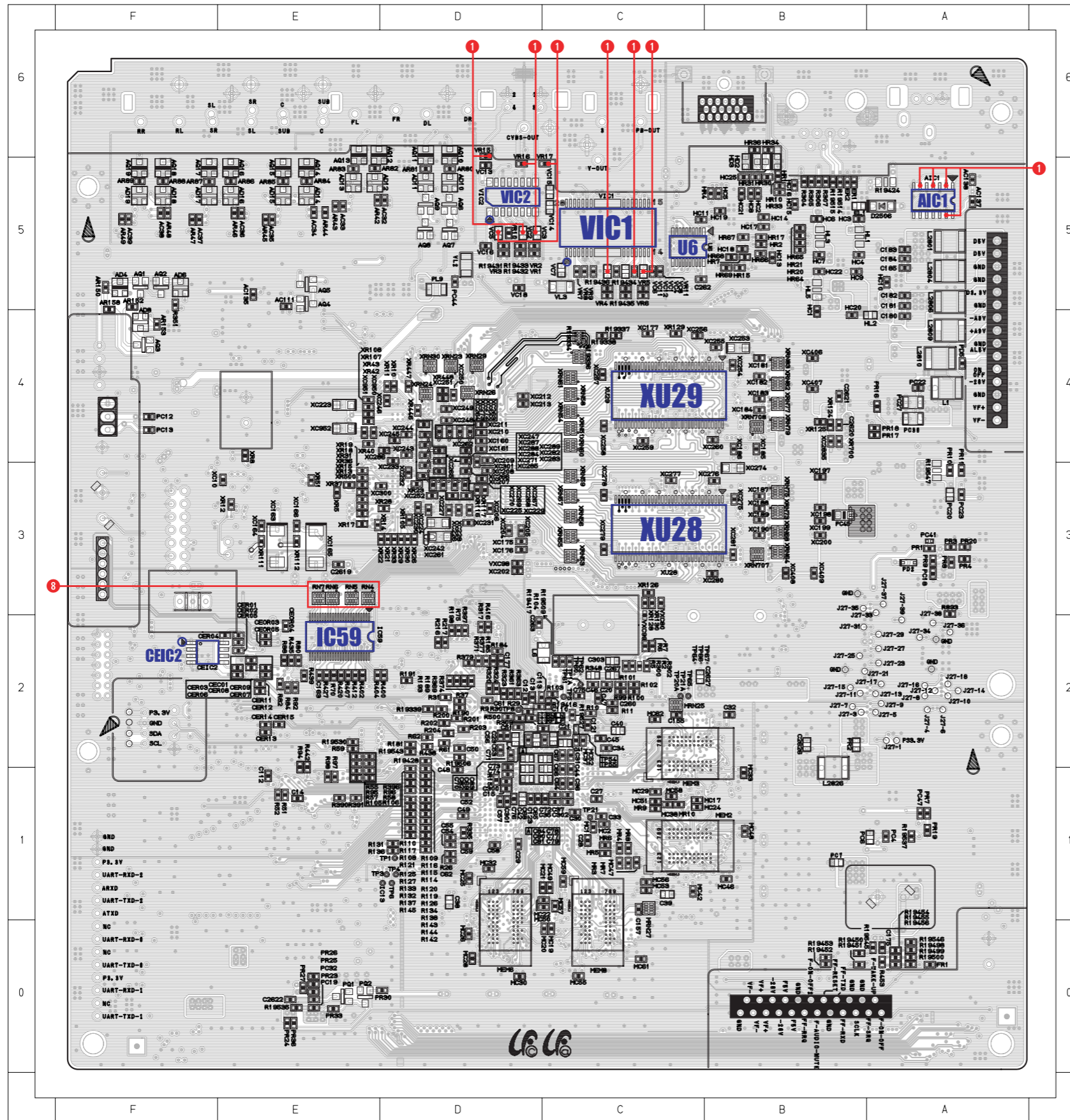


8 ANALOG VIDEO DATA UX1 (XR99, XRN22~XRN30), IC58(RN1~RN3)

CONDUCTOR SIDE

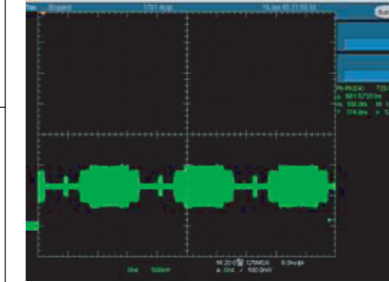


LOC.NO	X-Y
AIC1	A-5
XU28	B-3
XU29	B-4
U6	B-5
VIC1	C-5
VIC2	D-5
IC59	E-2
CEIC2	F-2

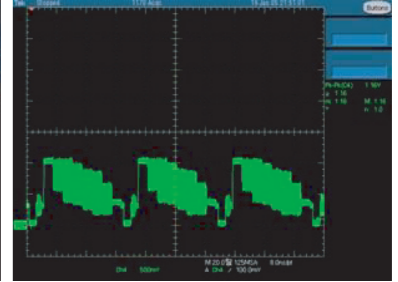


1 DIGITAL AUDIO DATA
AIC1 (Pin2,4,6,13)

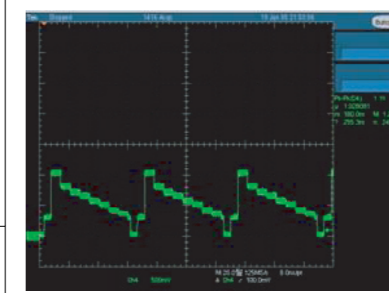
2 Y(Color-bar)
Pin (MIC1-VC2,VIC1-VR7)



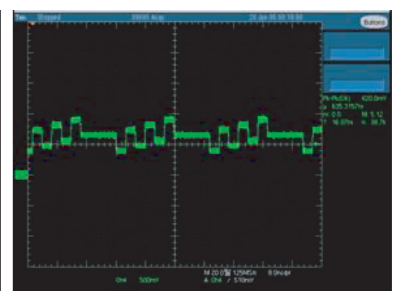
3 C(Color-bar)
Pin (MIC1-VC3,VIC1-VR21)



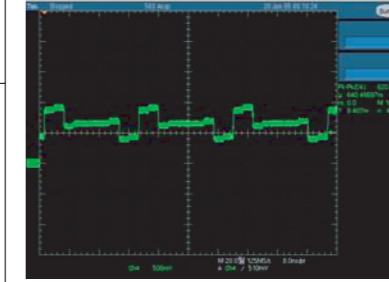
4 CVBS(Color-bar)
Pin (MIC1-VC4,VIC1-VR22)



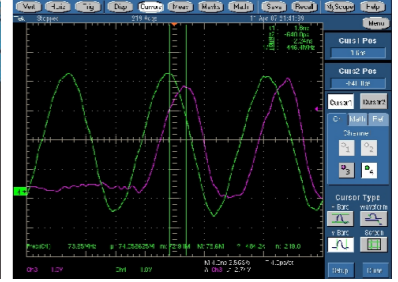
5 Y(Color-bar)
Pin-VC6



6 Pb(Color-bar)
Pin-VC1



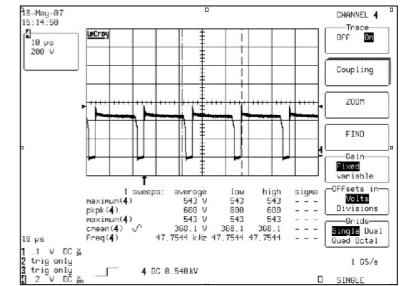
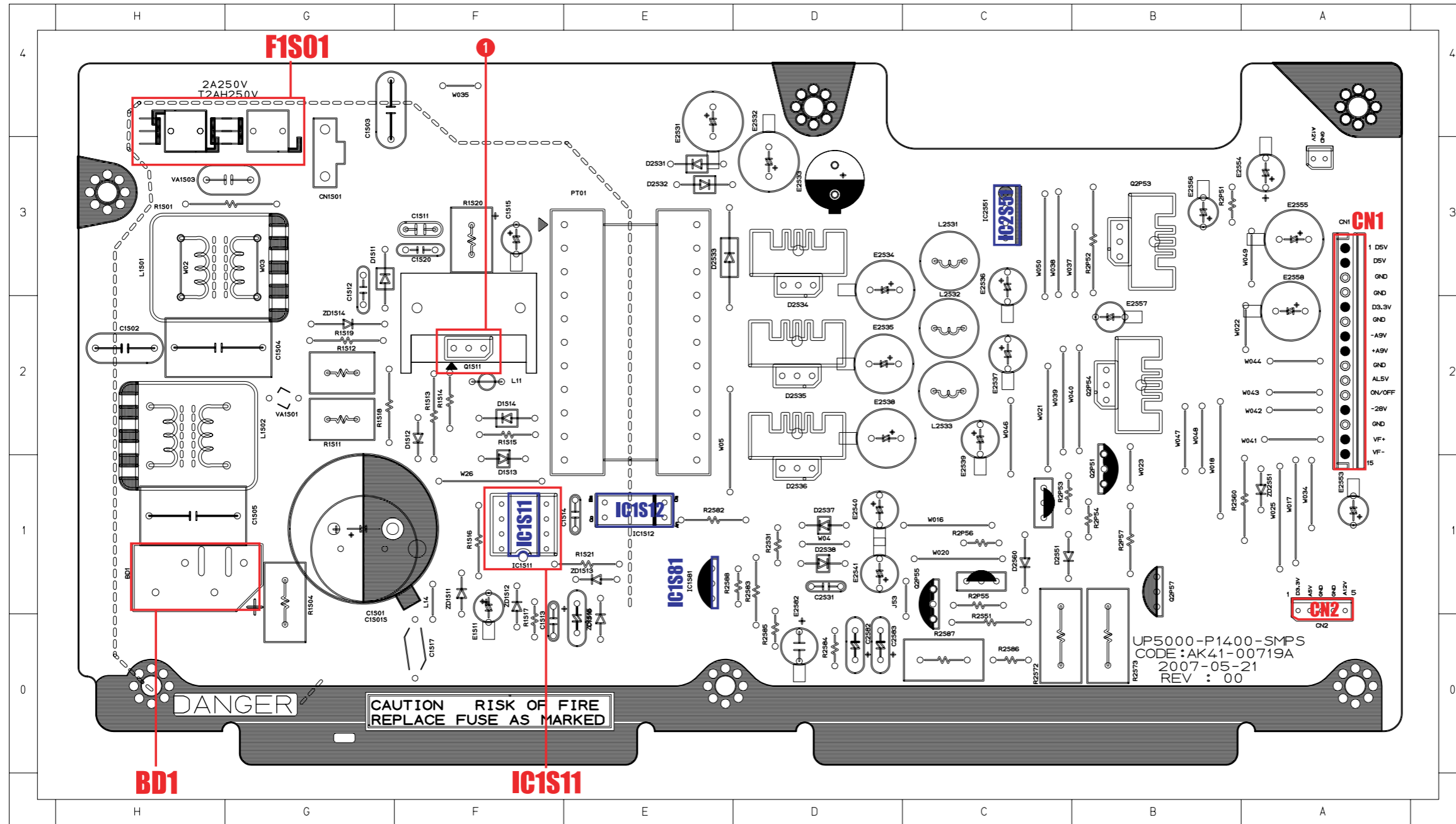
7 Pr(Color-bar)
Pin-VC4



8 ANALOG VIDEO DATA
IC59(RN4~RN7)

6-3 S.M.P.S PCB

COMPONENT SIDE



① Q1S11

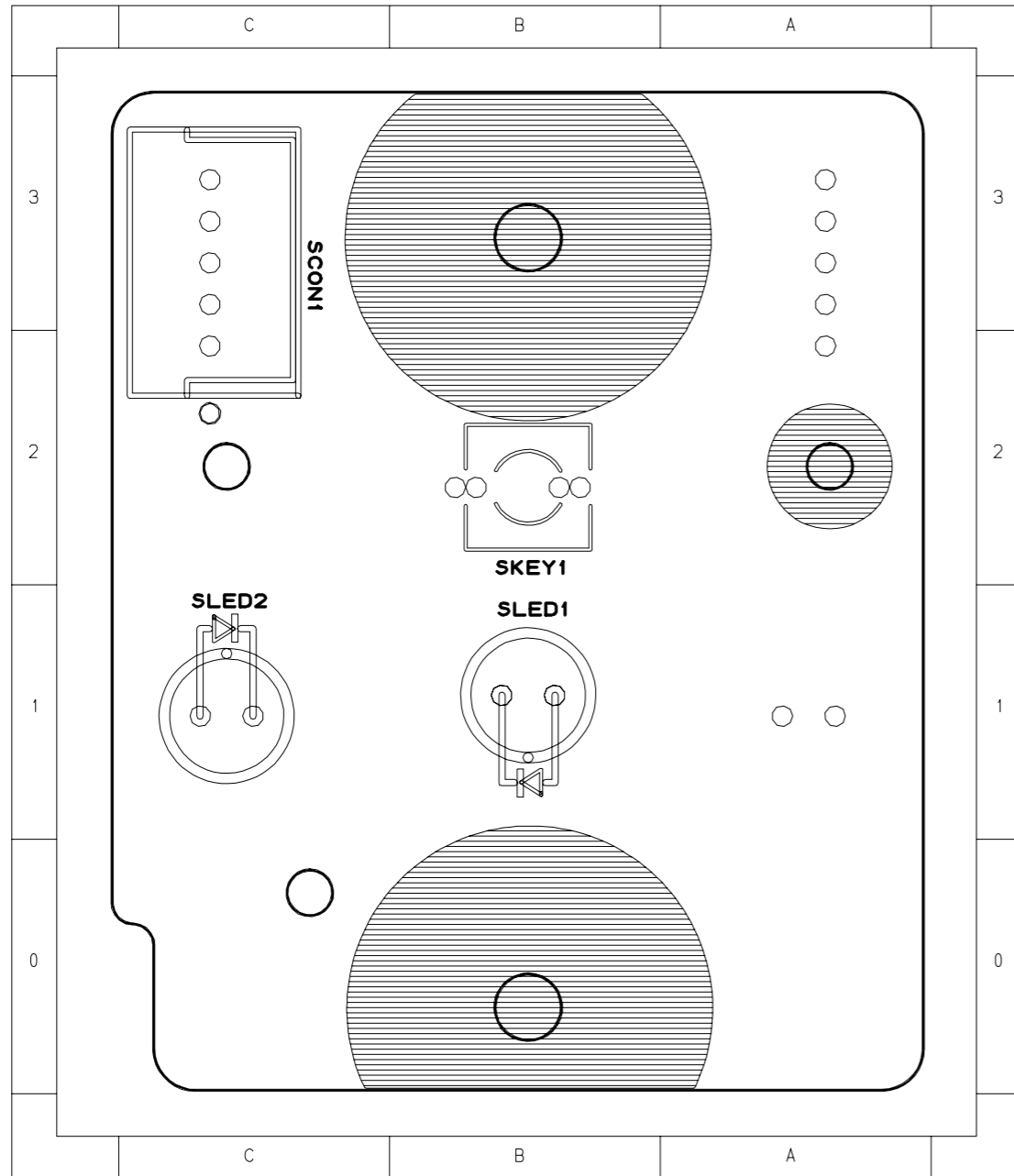
LOC.NO	X-Y
CN2	A-0
CN1	A-1
IC2S51	C-3
IC1S81	E-1
IC1S12	E-1
IC1S11	F-1

CONDUCTOR SIDE

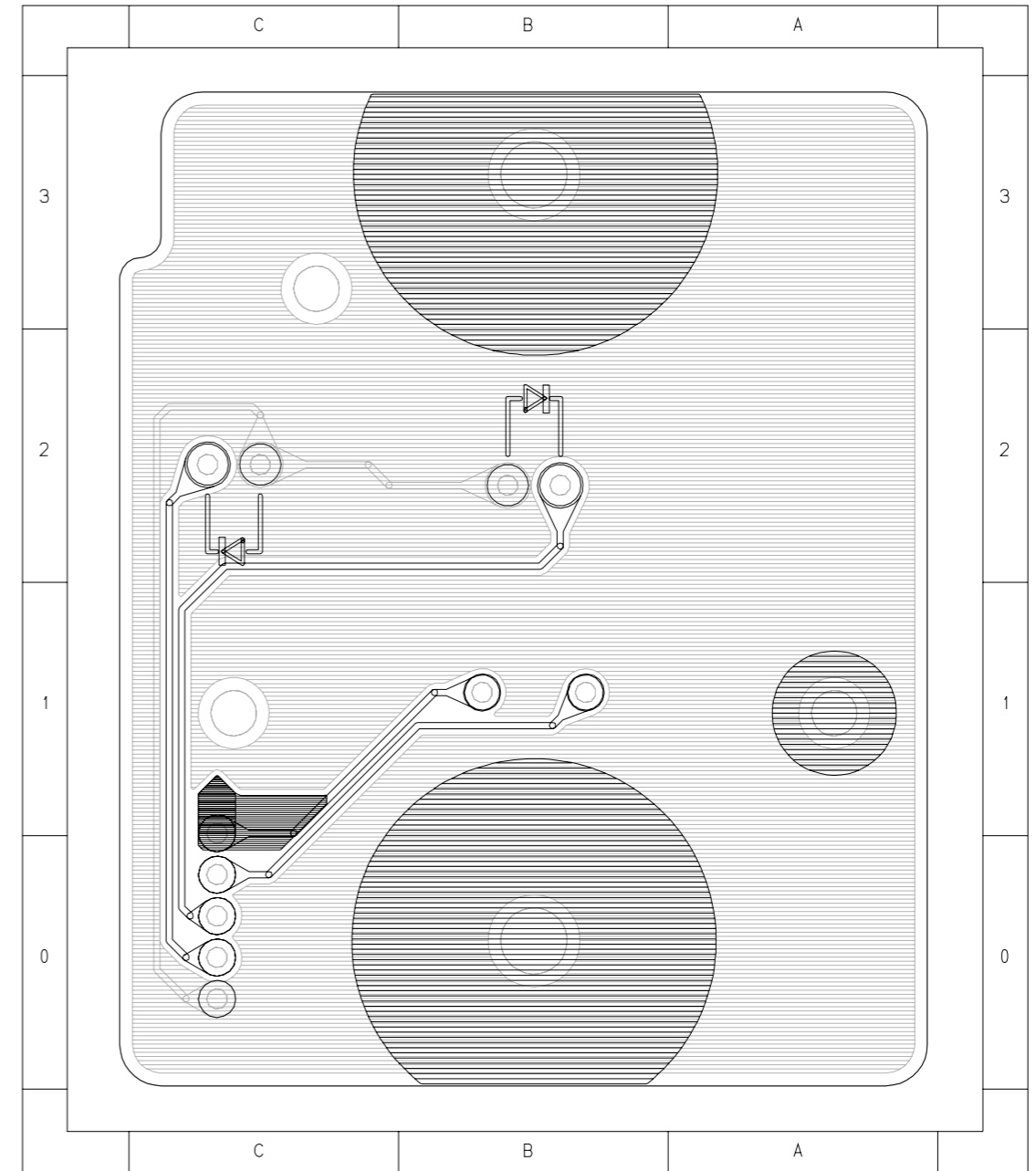


6-5 Power Key PCB

COMPONENT SIDE



CONDUCTOR SIDE



7. Schematic Diagrams

7-1 All block Diagram	7-2	7-20 Reon POWER BLOCK (Main PCB)	7-23
7-2 Power	7-3	7-21 Front (Front PCB)	7-24
7-3 S.M.P.S (S.M.P.S PCB)	7-5	7-22 Power Key (Power Key PCB)	7-25
7-4 Audio (Main PCB)	7-6		
7-5 Video (Main PCB)	7-7		
7-6 BCM7440 STRAP BIT (Main PCB)	7-9		
7-7 BCM7440 FALSH (Main PCB)	7-10		
7-8 BCM7440 GPIO (Main PCB)	7-11		
7-9 ATAPI/LAN Interface (Main PCB)	7-12		
7-10 BCM7440 DDR2 I/F (Main PCB)	7-13		
7-11 BCM7440 HOST I/F (Main PCB)	7-14		
7-12 BCM7440 CLOCK (Main PCB)	7-15		
7-13 BCM7440 POWER (Main PCB)	7-16		
7-14 HDMI (Main PCB)	7-17		
7-15 CEC MICOM (Main PCB)	7-18		
7-16 POWER BLOCK (Main PCB)	7-19		
7-17 Reon (Main PCB)	7-20		
7-18 Reon DDR I/F (Main PCB)	7-21		
7-19 Reon DDR (Main PCB)	7-22		

Note

- For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.


Special note :

Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

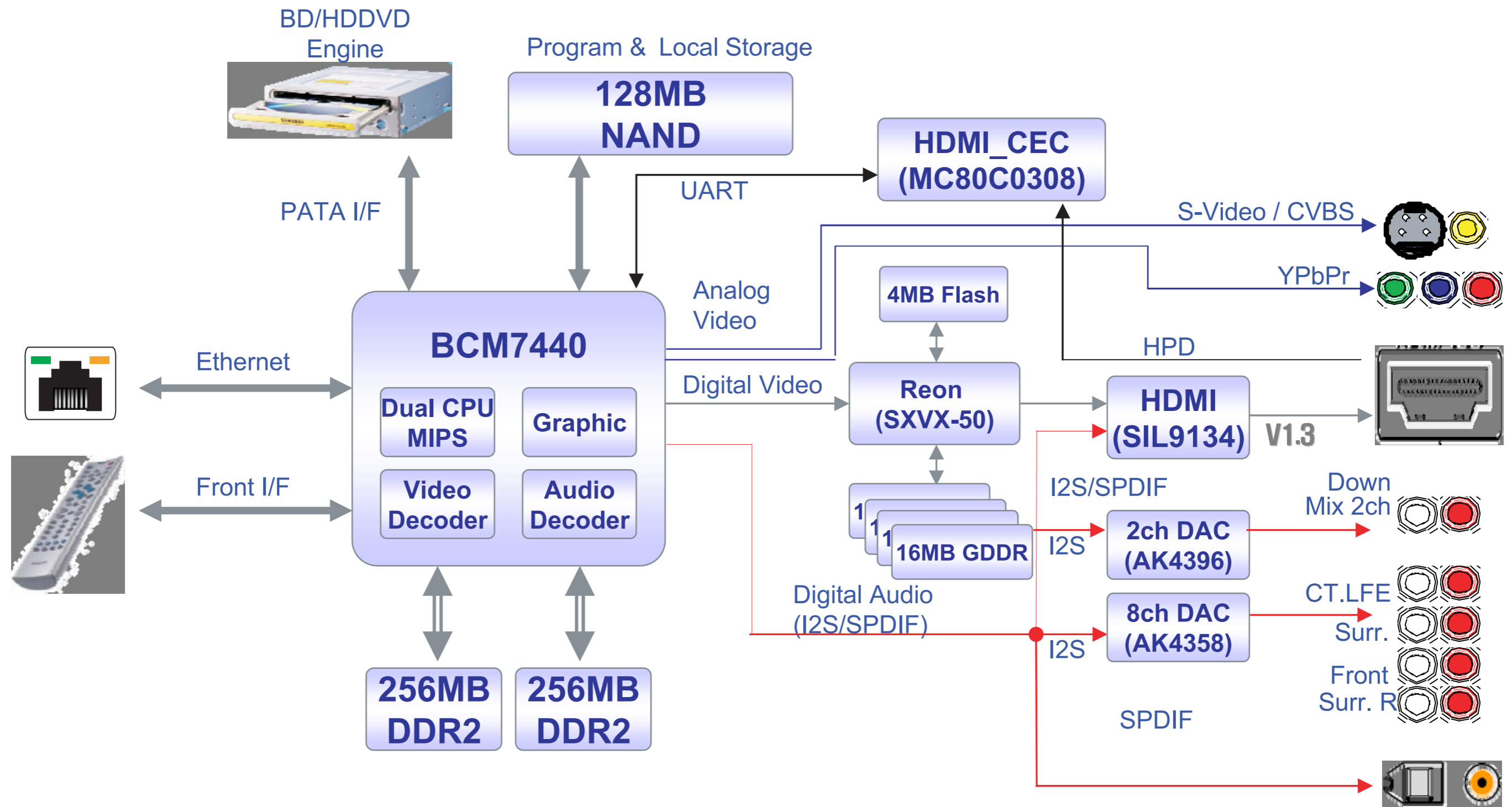
Note :

Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :

Components identified with the mark  have the special characteristics for safety. When replacing any of these components. Use only the same type.

7-1 All block Diagram



7-2 Power

7-2-1 About S.M.P.S (Ringing Choke Converter Method)

◆ Terms

- 1) 1st : Common power input to 1st winding.
- 2) 2nd : Circuit followings output winding of transformer.
- 3) f (Frequency) : Switching frequency (T : Switching cycle)
- 4) Duty : $(T_{on}/T) \times 100$

7-2-2 Circuit description [FLY-Back RCC(Ringing Choke Converter)] Control

(a) AC Power Rectification/Smoothing Terminal

- 1) A01~04 : Convert AC power to DC (Wave rectification).
- 2) CIS01 : Smooth the voltage converted to DC.
- 3) LIS01, LIS02, CIS04, CIS05 : Noise removal at power input/output.
- 4) RIS04 : Rush current limit resistance at the moment of power cord insertion.
 - Without PLRU1, the bridge diode might be damaged as the rush current increases.

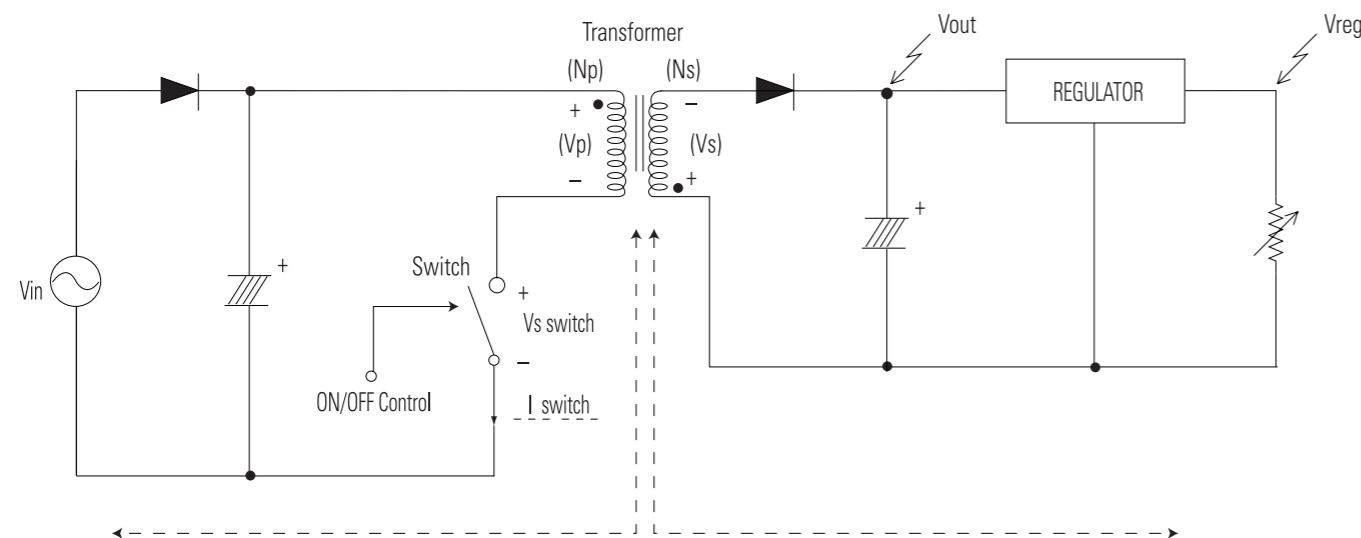
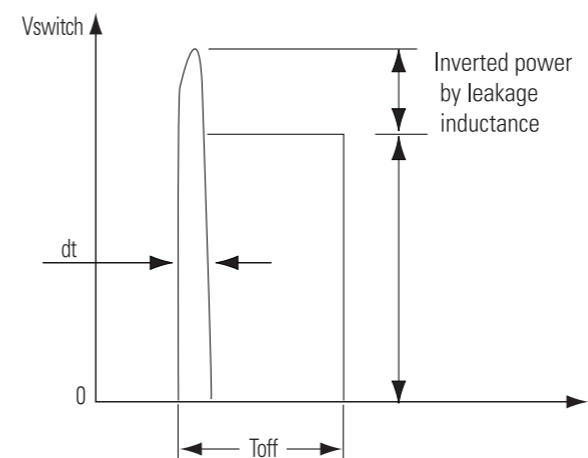


Fig. 7-1



(b) SNUBBER Circuit : RIS02, RIS03, CIS08, CIS07, DIS05

- 1) Prevent residual high voltage at the terminals of switch during switch off/Suppress noise. High inverted power occurs at switch off, because of the 1st winding of transformer : $(V = -L1 \times di/dt)$. $L1$: Leakage Inductance
A very high residual voltage exist on both terminals of ICIS01 because dt is a very short.
- 2) SNUBBER circuit protects ICIS01 from damage through leakage voltage suppression by RC, (Charges the leakage voltage to DIS05 and CIS08 and discharges to RIS03, RIS02).
- 3) CIS07 : For noise removal

Fig. 7-2

(c) ICIS01 Vcc circuit

- 1) ICIS01, RIS05, RIS07, RIS08 : ICIS01 driving resistance (ICIS01 works through driving resistance at power cord in)
- 2) ICIS01 Vcc : RIS05, RIS07, RIS08
 - ① Use the output of transformer as Vcc, because the current starts to flow into transformer while ICIS01 is active
 - ② Rectify to DIS07 and smooth to CIS09.
 - ③ Use the output of transformer as ICIS01 Vcc : The loads are different before and after ICIS01 driving. (Vcc of ICIS01 decreases below OFF voltage, using only the resistance due to load increase after ICIS01 driving.)

(d) Feedback Control Circuit

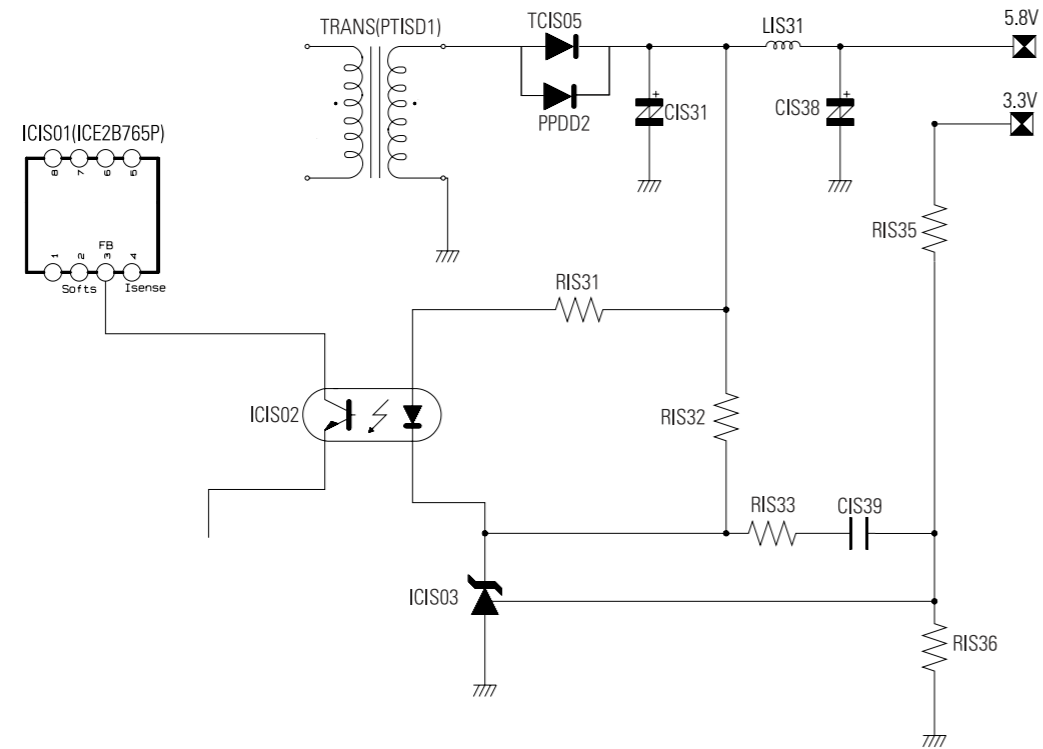


Fig. 7-3

- 1) F/B terminal of PQIZ1 determines output duty cycle.
- 2) C-E (Collector-Emitter) of PQIZ1 and F/B potential of PQIZ1 are same.

7-2-3 Internal Block Diagram (Internal Block Diagram of S.M.P.S Circuit)

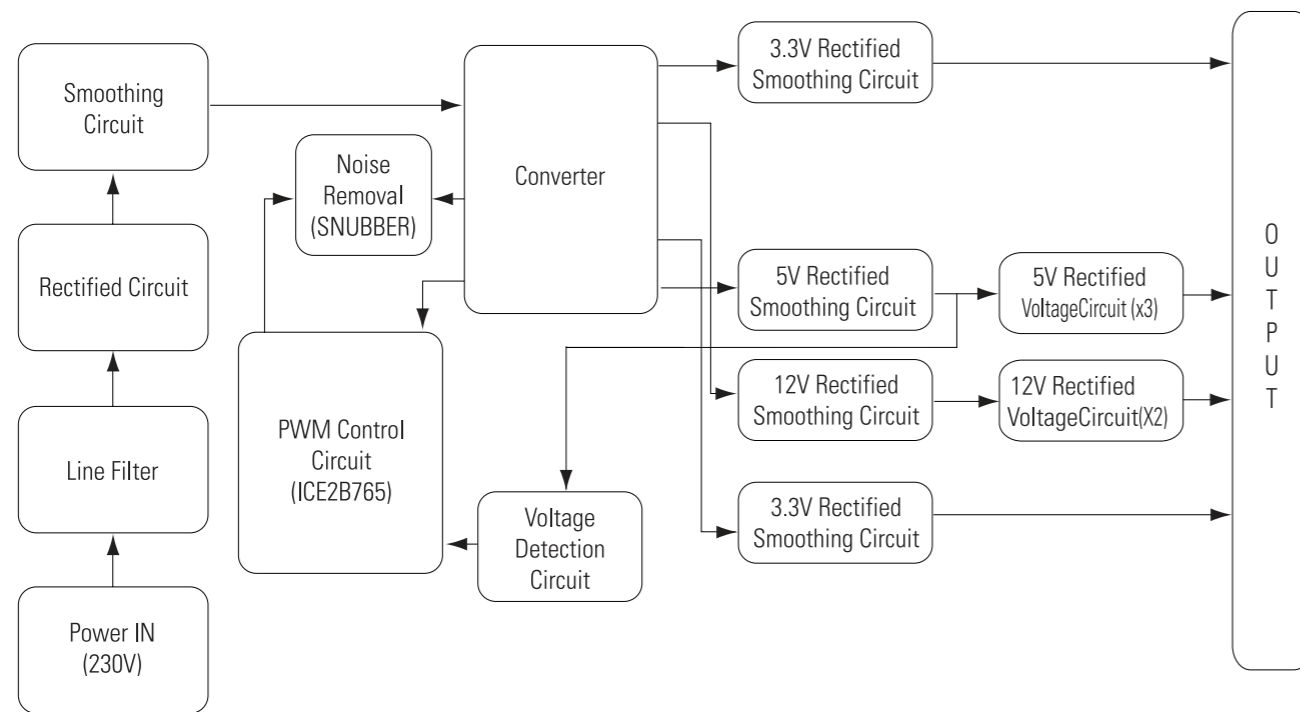
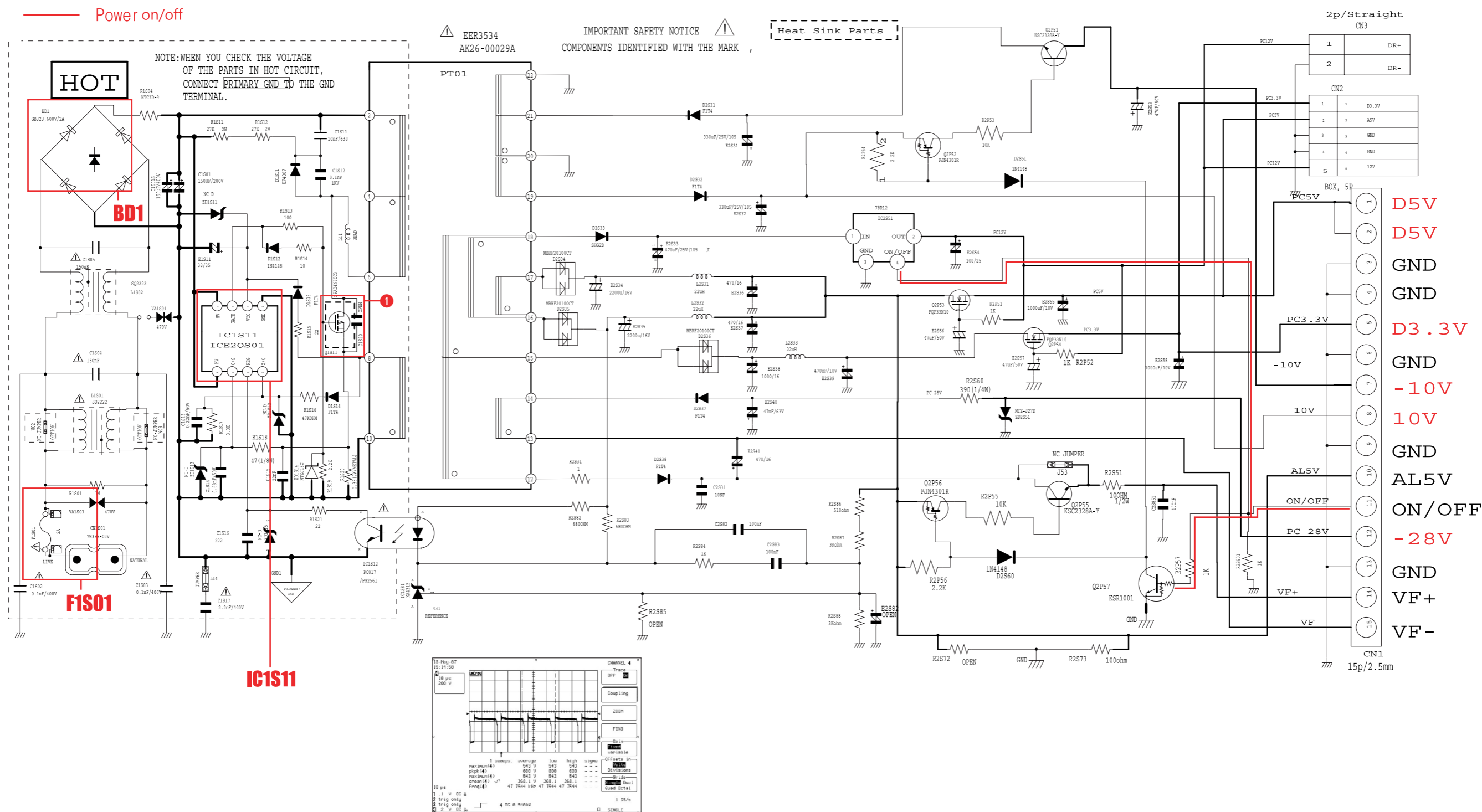


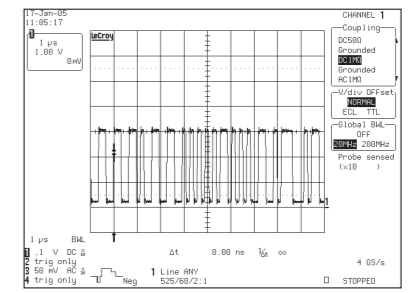
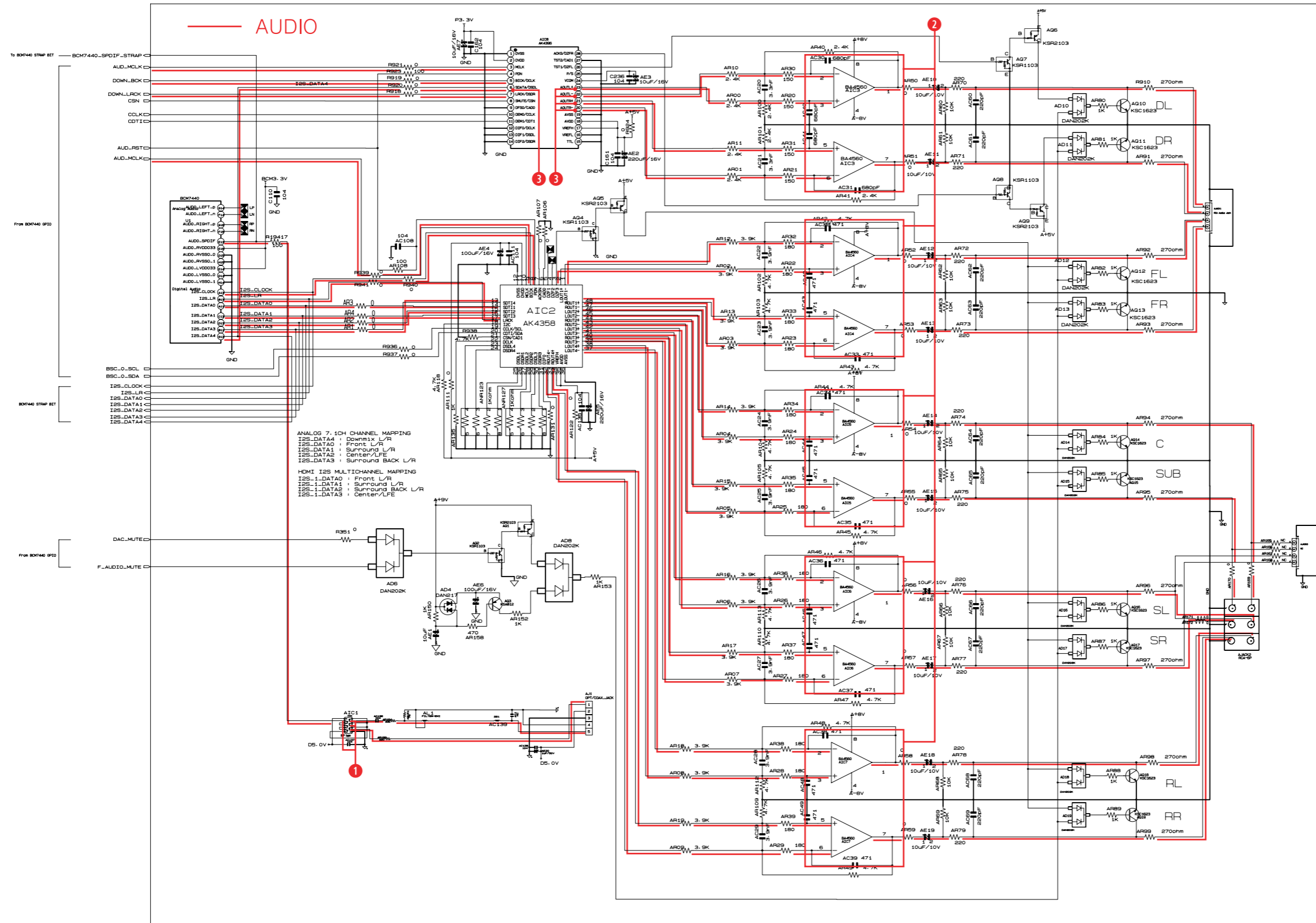
Fig. 7-4

7-3 S.M.P.S (S.M.P.S PCB)

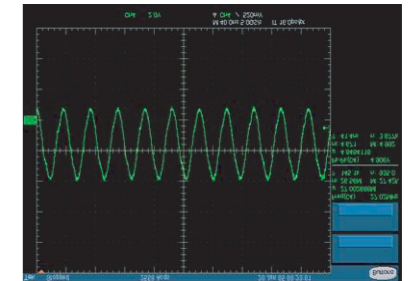


◆ These are the waveforms of BD-UP5000. Caution There can be some differences (Voltage, Frequency, etc.) among cameras.

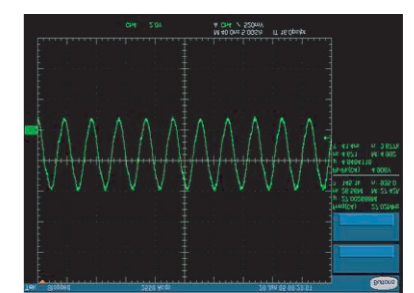
7-4 Audio (Main PCB)



1 DIGITAL AUDIO DATA
AIC1 (Pin2,4,6,13)



2 ANALOG AUDIO DATA(AIC3,4,5,6,7)



3 ANALOG AUDIO DATA
AIC3, AIC8 (Pin6, Pin20-23)

◆ These are the waveforms of BD-UP5000. Caution There can be some differences (Voltage, Frequency, stc.) among cameras.

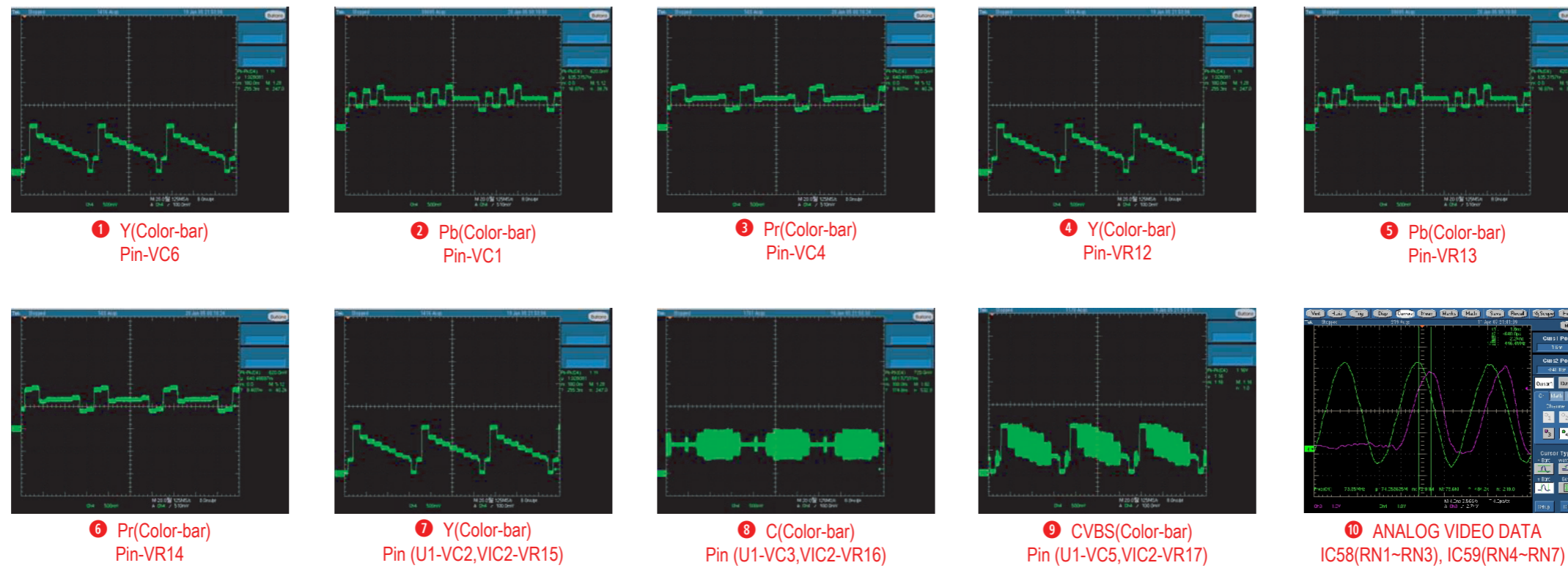
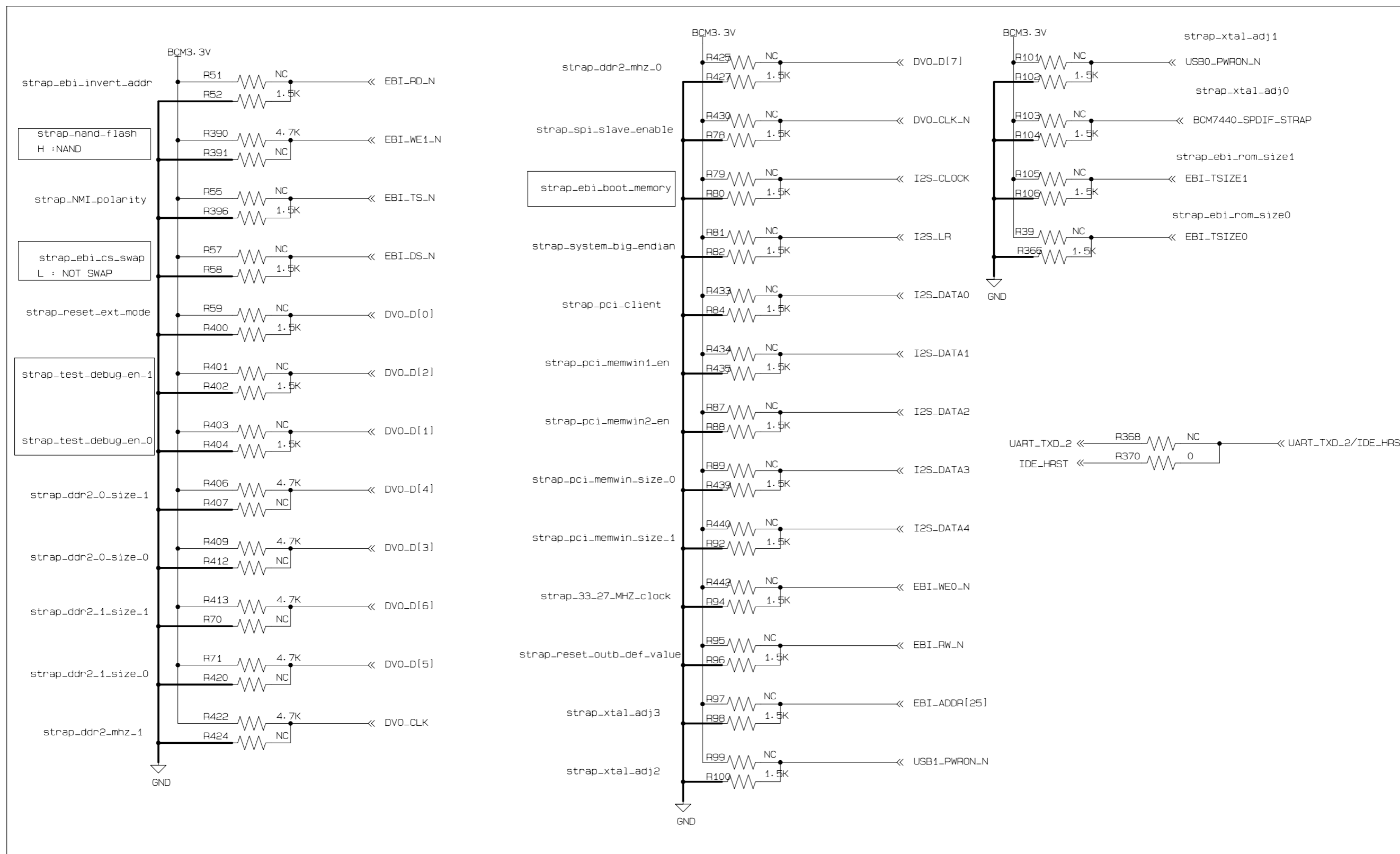
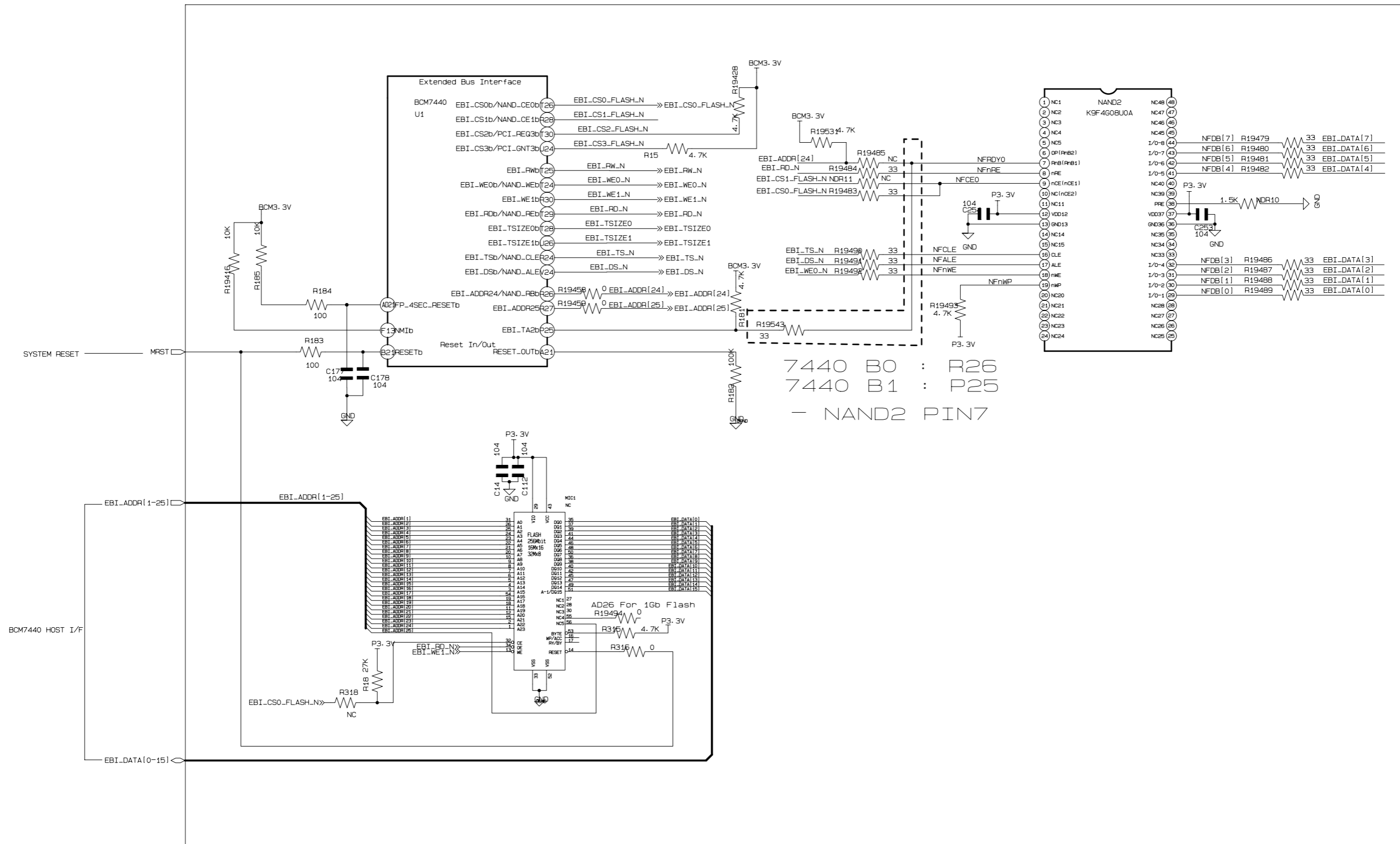


Fig. 7-5

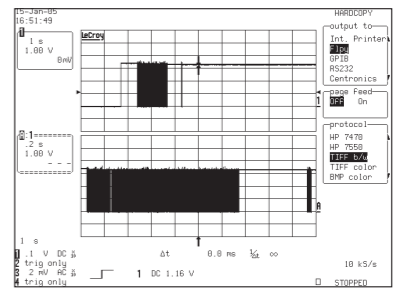
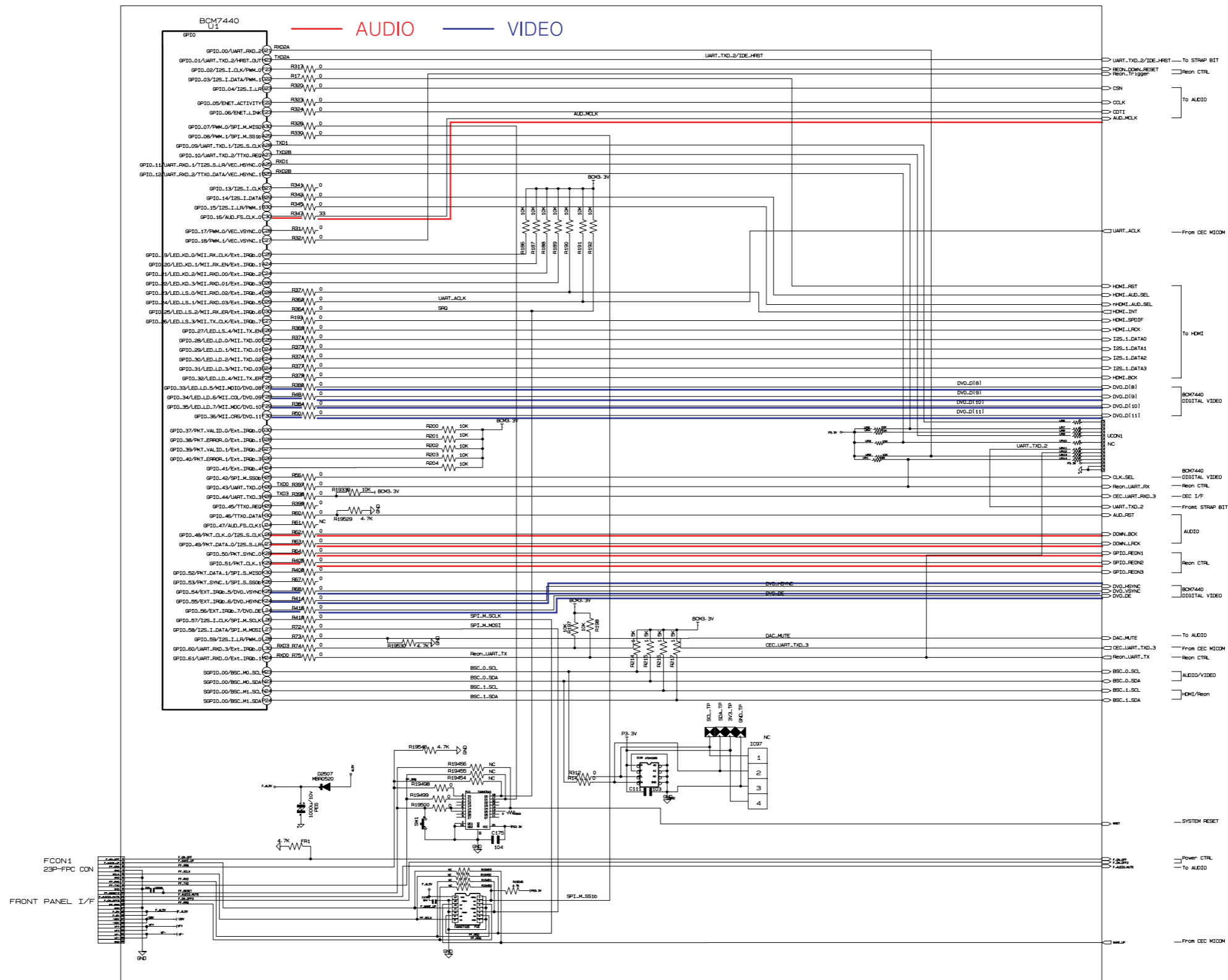
7-6 BCM7440 STRAP BIT (Main PCB)



7-7 BCM7440 FALSH (Main PCB)



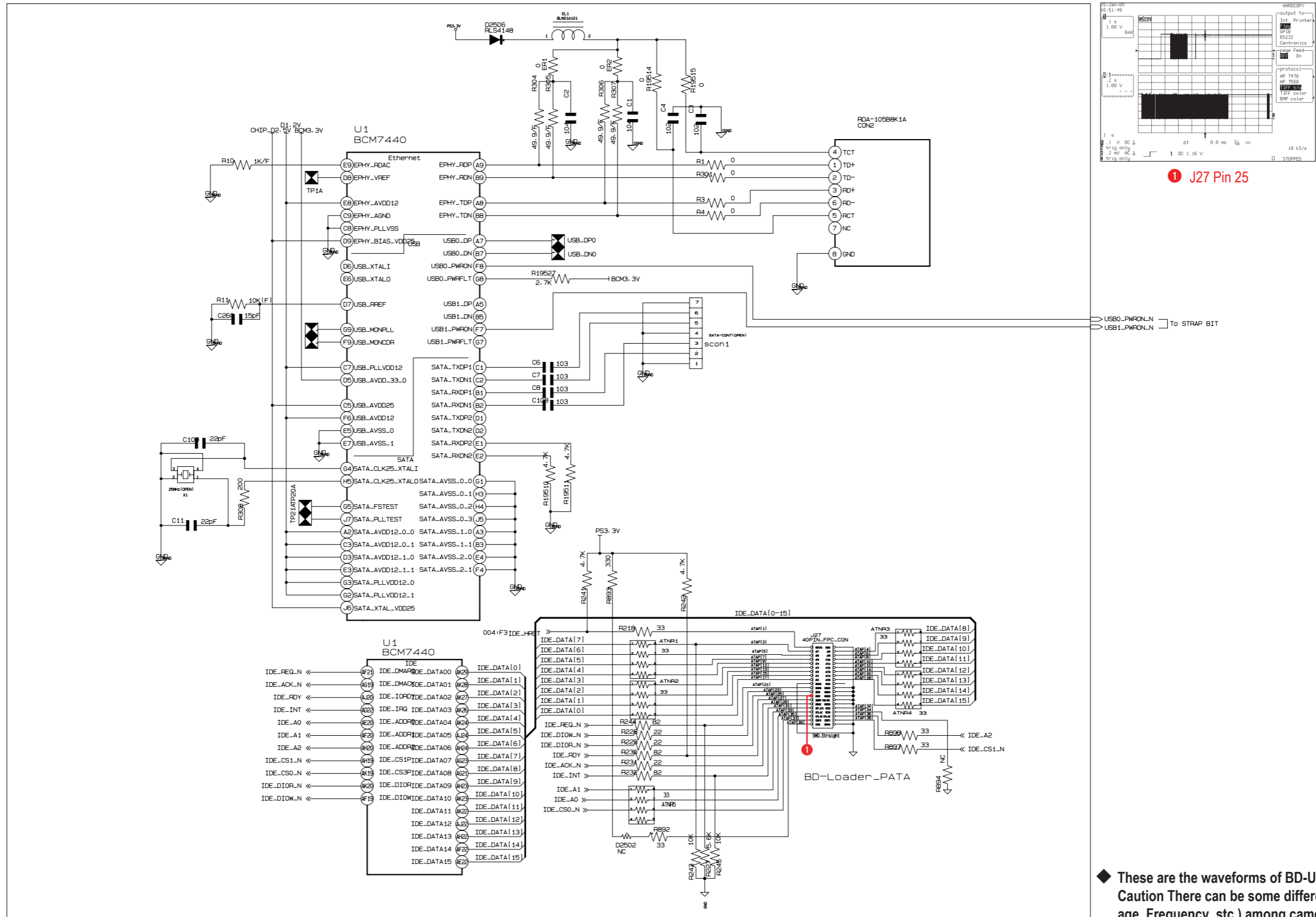
7-8 BCM7440 GPIO (Main PCB)



1 FCON1 PIN 25

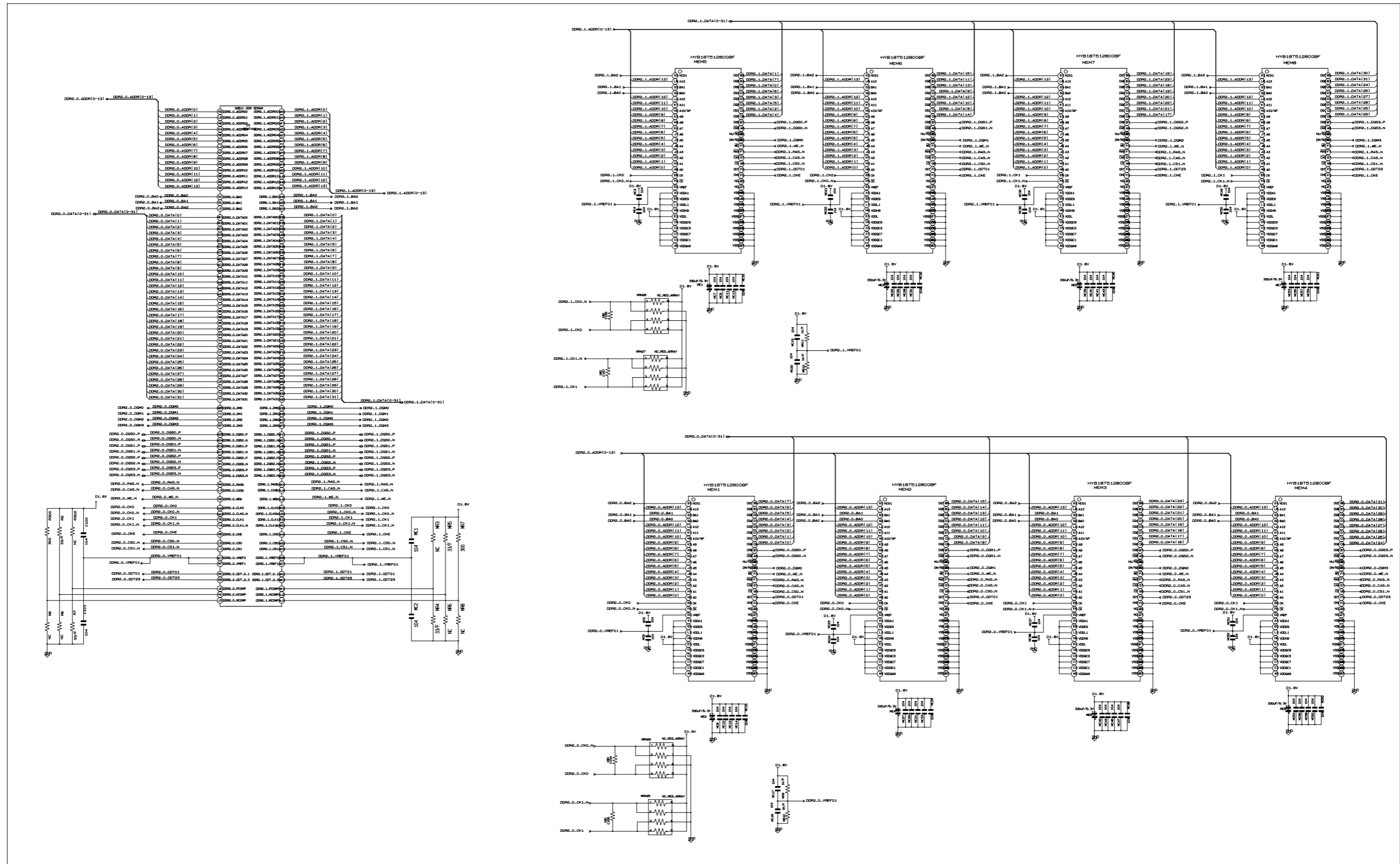
◆ These are the waveforms of BD-UP5000. Caution There can be some differences (Voltage, Frequency, etc.) among cameras.

7-9 ATAPI/LAN Interface (Main PCB)

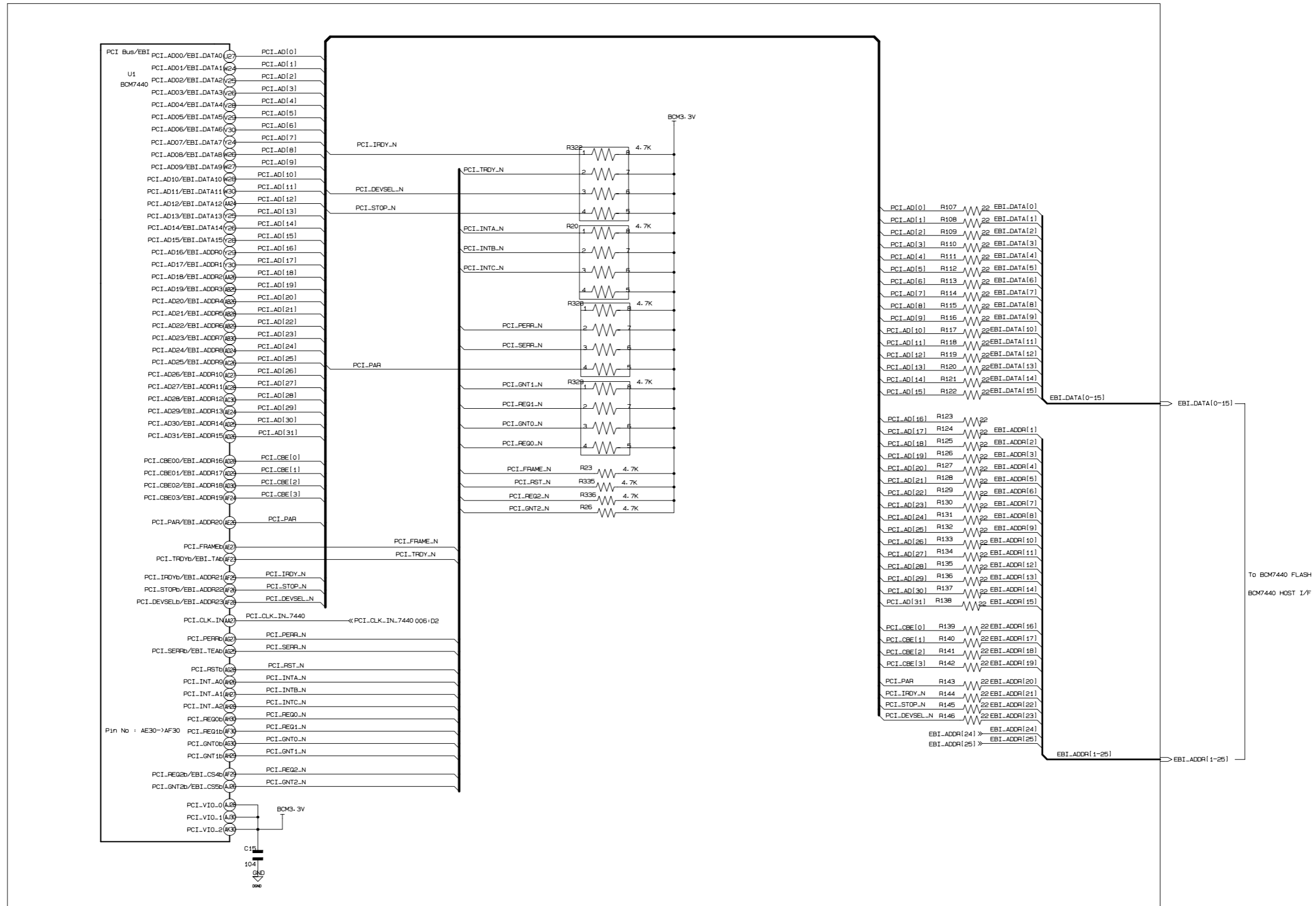


◆ These are the waveforms of BD-UP5000. Caution There can be some differences (Volt age, Frequency, stc.) among cameras.

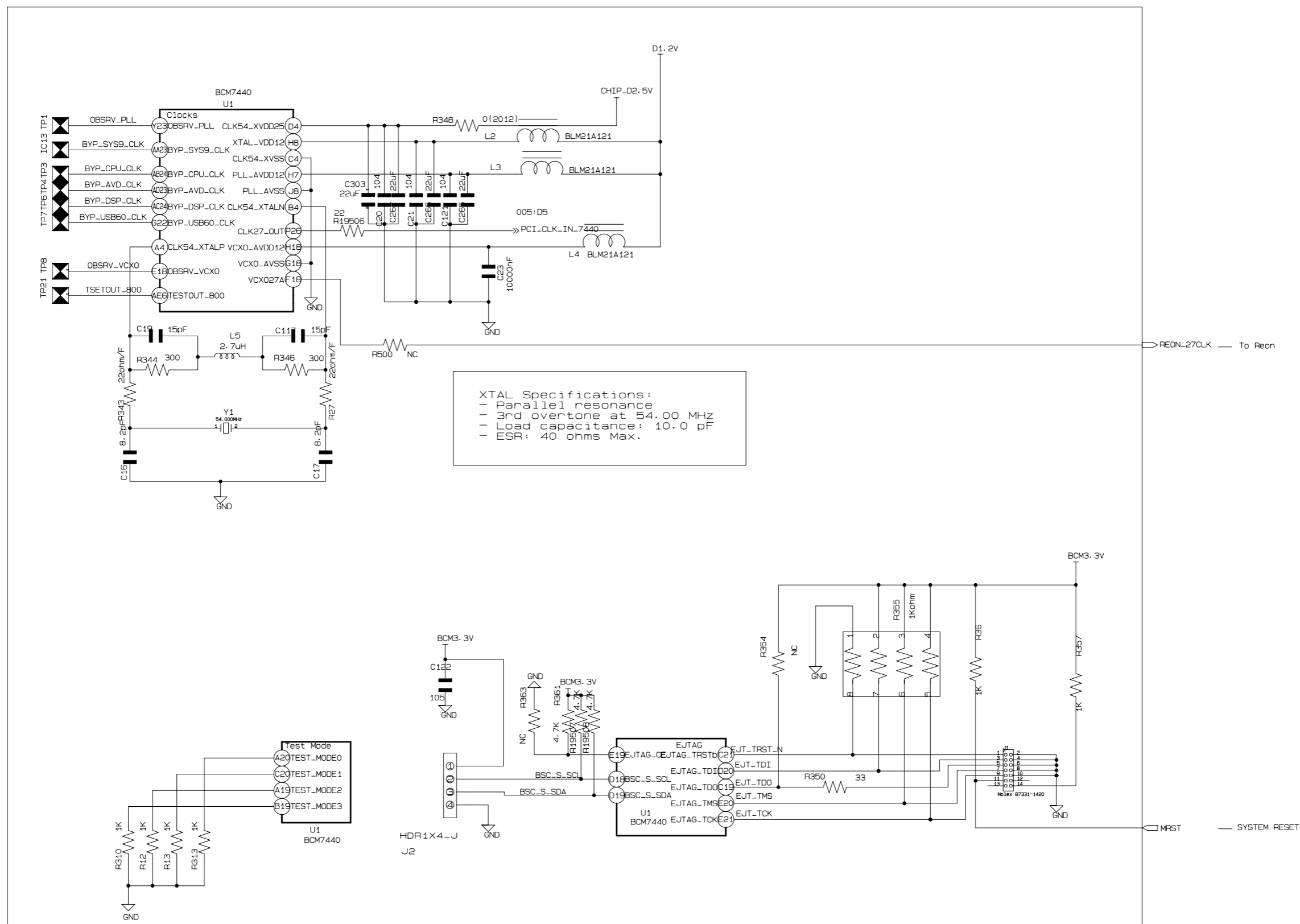
7-10 BCM7440 DDR2 I/F (Main PCB)



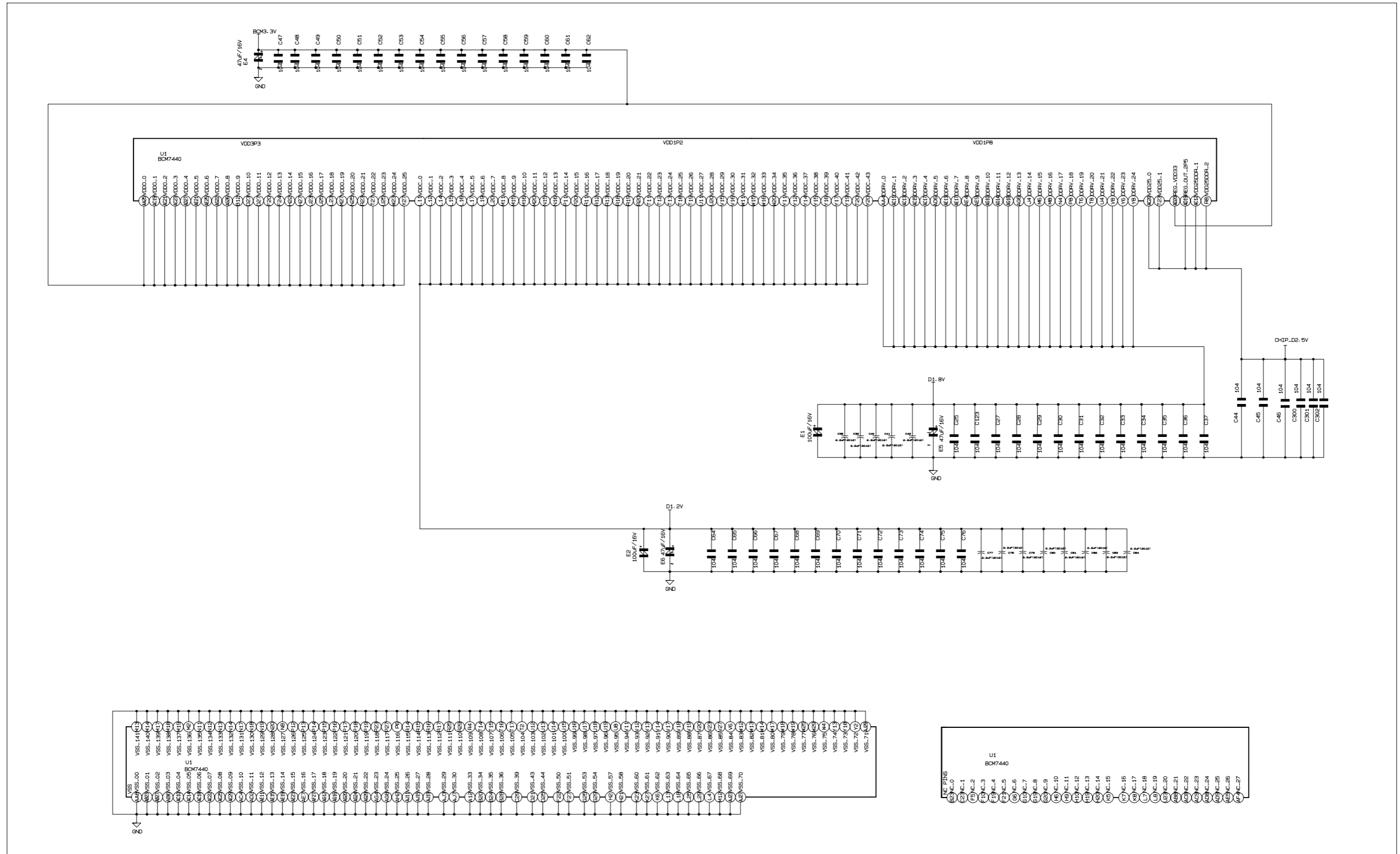
7-11 BCM7440 HOST I/F (Main PCB)



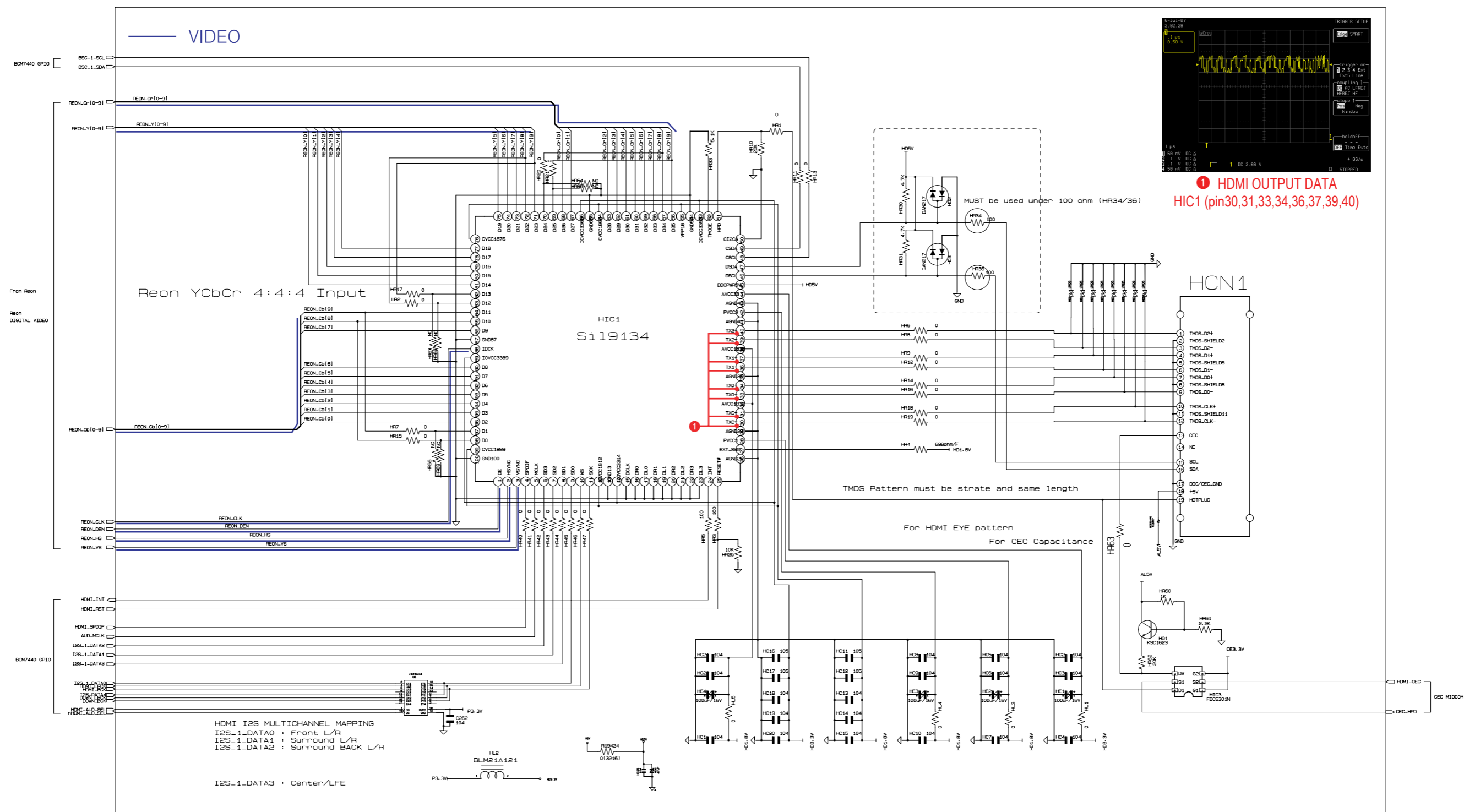
7-12 BCM7440 CLOCK (Main PCB)



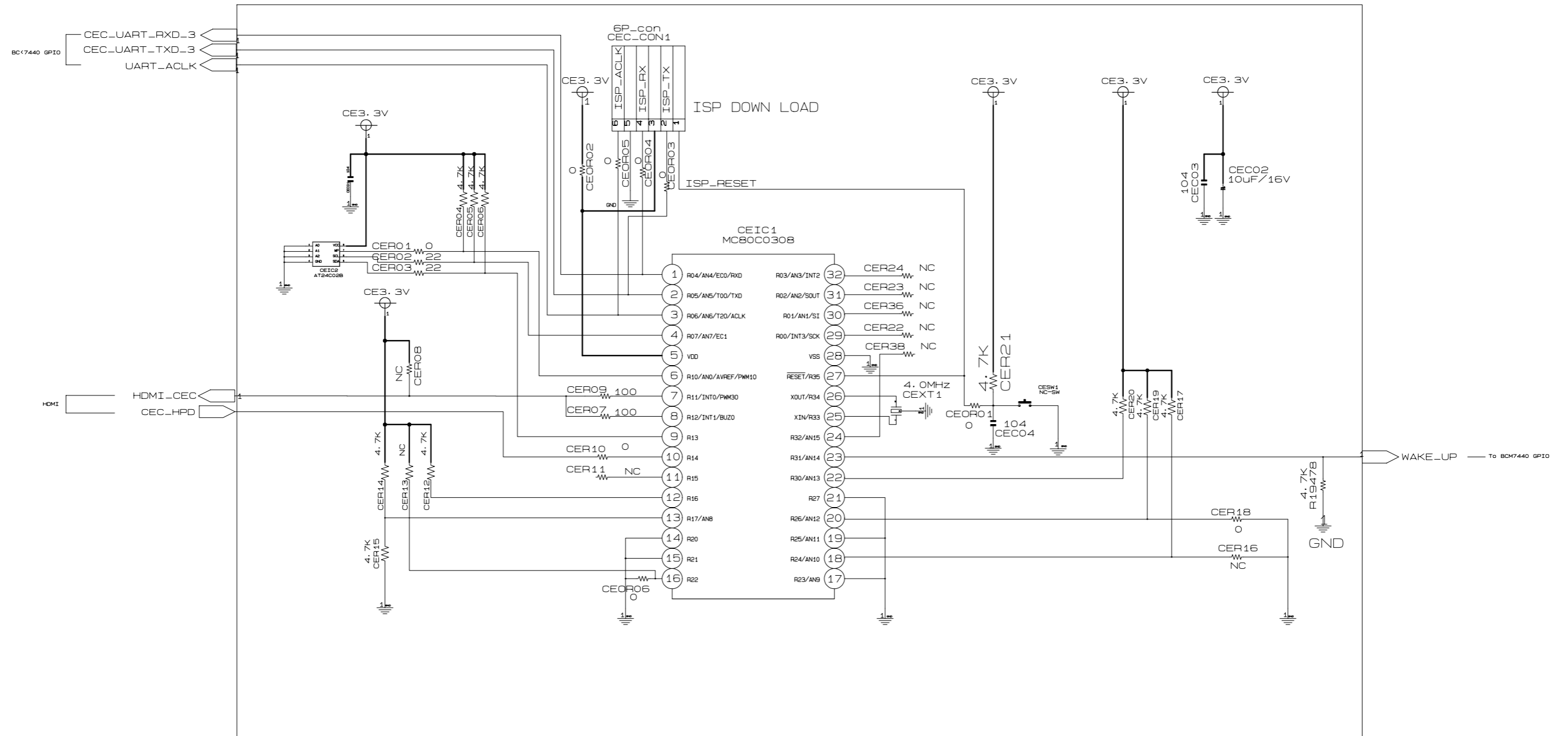
7-13 BCM7440 POWER (Main PCB)



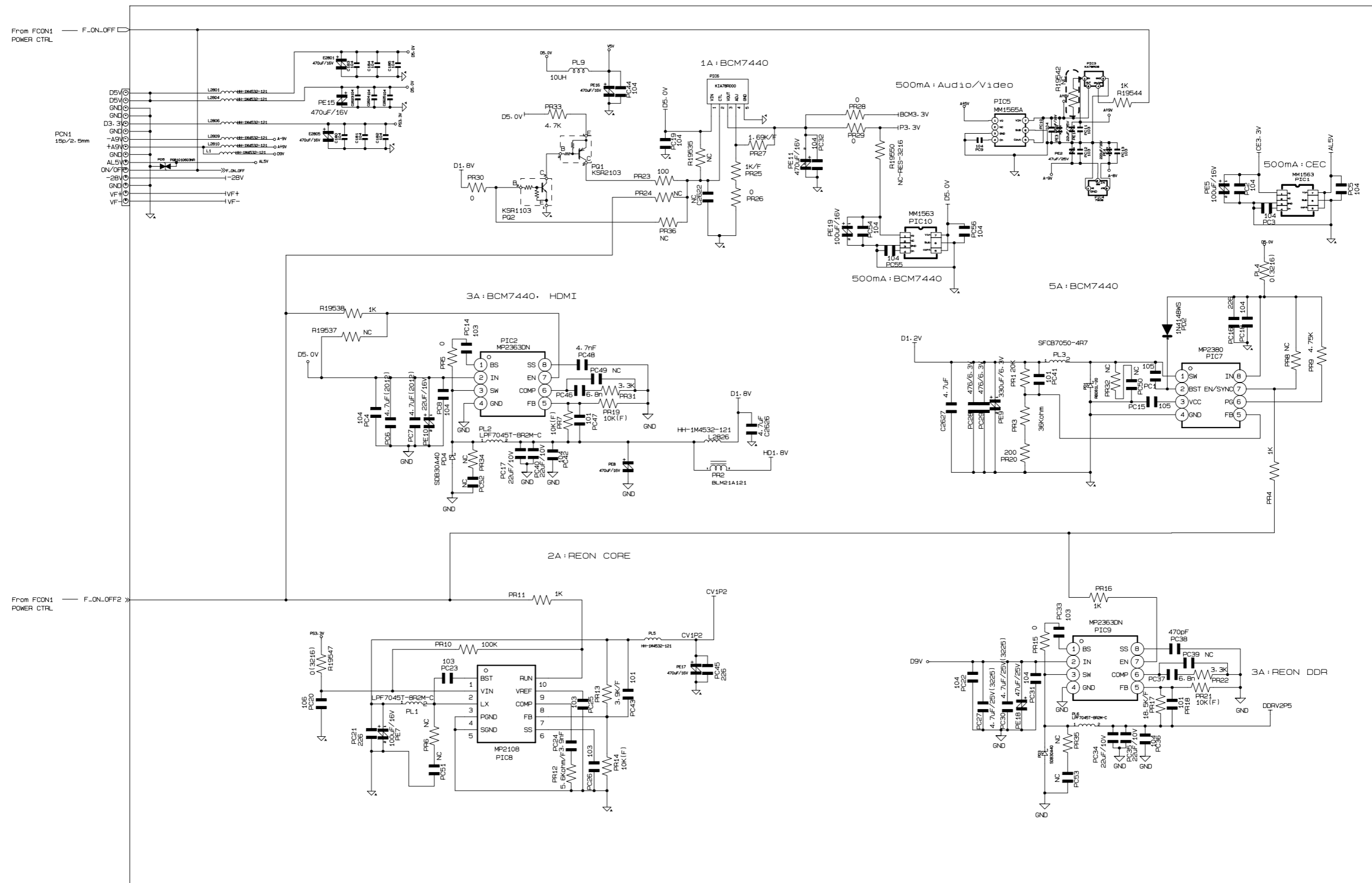
7-14 HDMI (Main PCB)



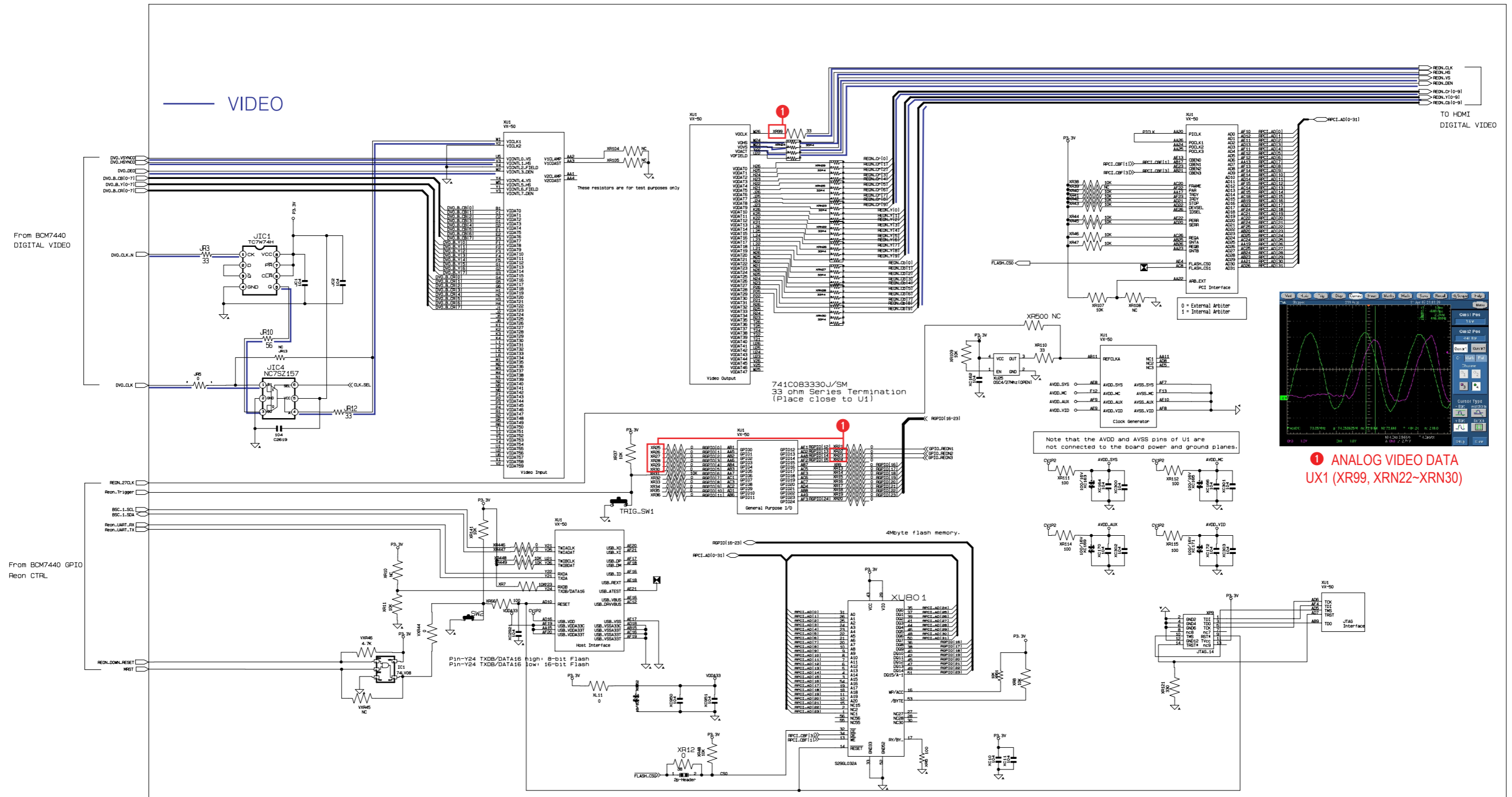
7-15 CEC MICOM (Main PCB)



7-16 POWER BLOCK (Main PCB)

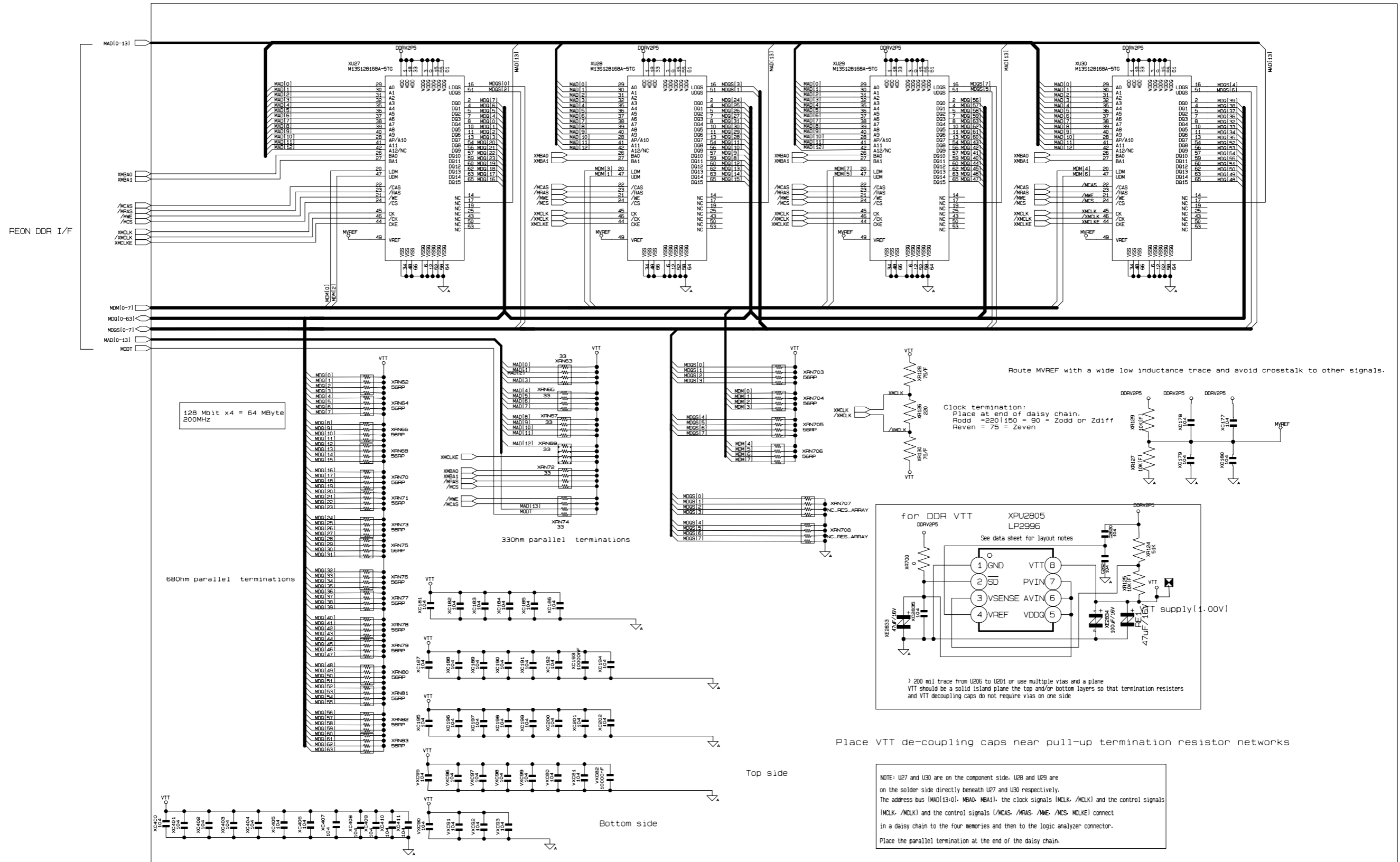


7-17 Reon (Main PCB)

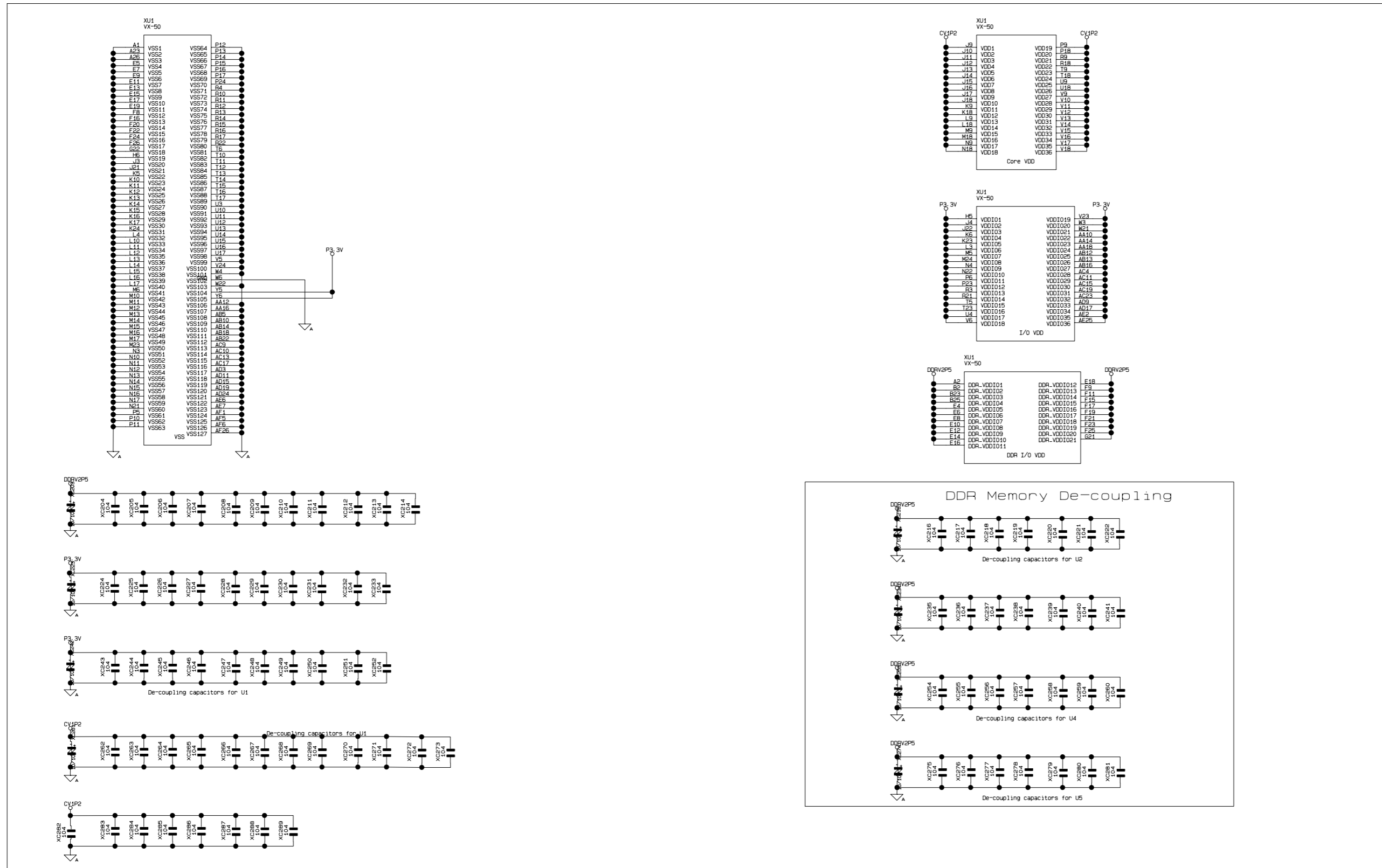


◆ These are the waveforms of BD-UP5000.
Caution There can be some differences (Voltage, Frequency, etc.) among cameras.

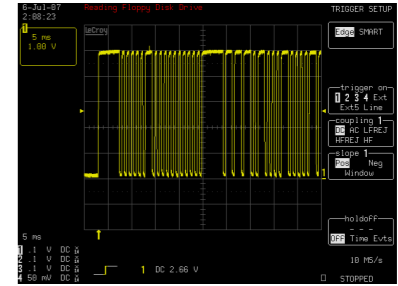
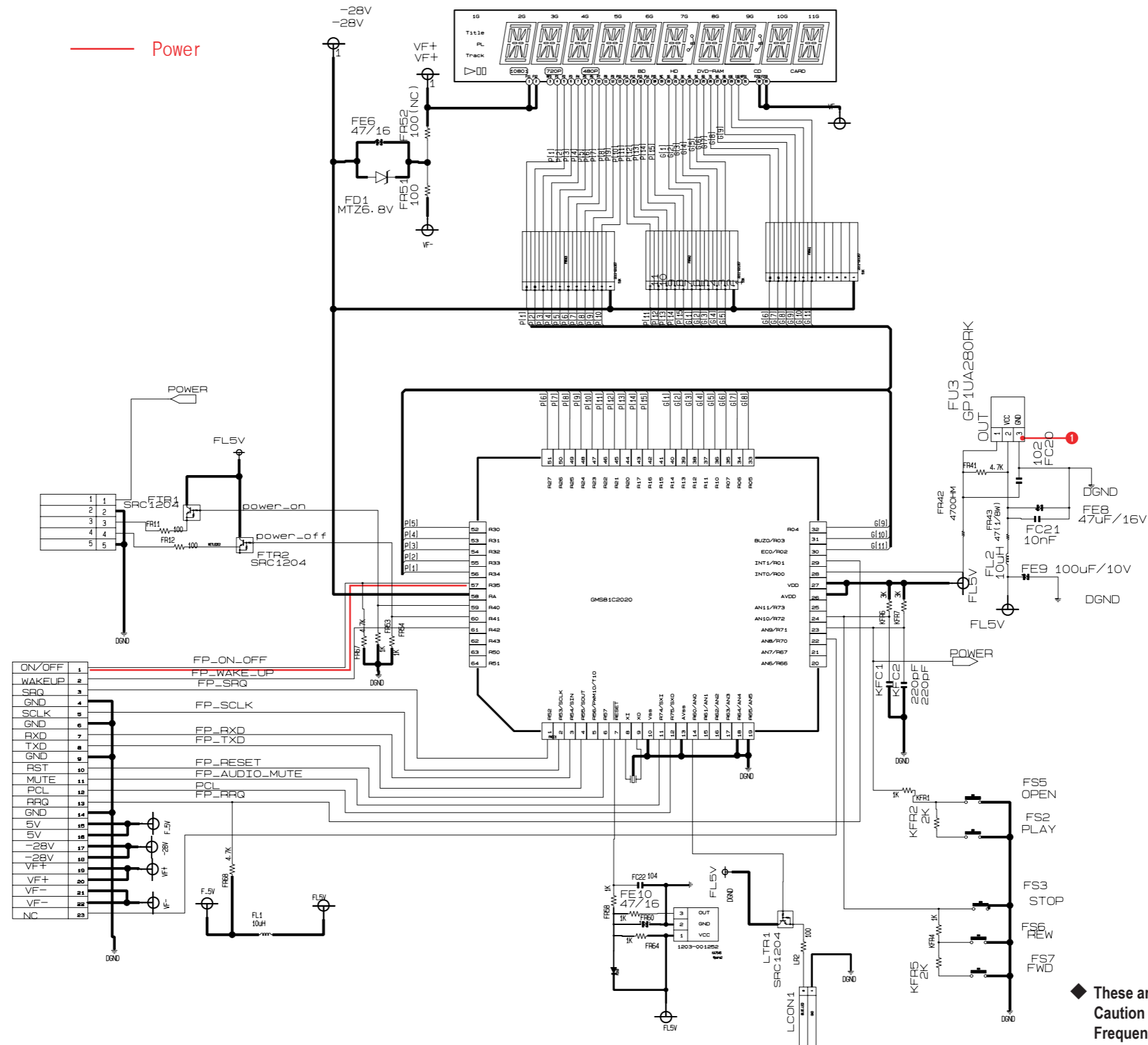
7-19 Reon DDR (Main PCB)



7-20 Reon POWER BLOCK (Main PCB)



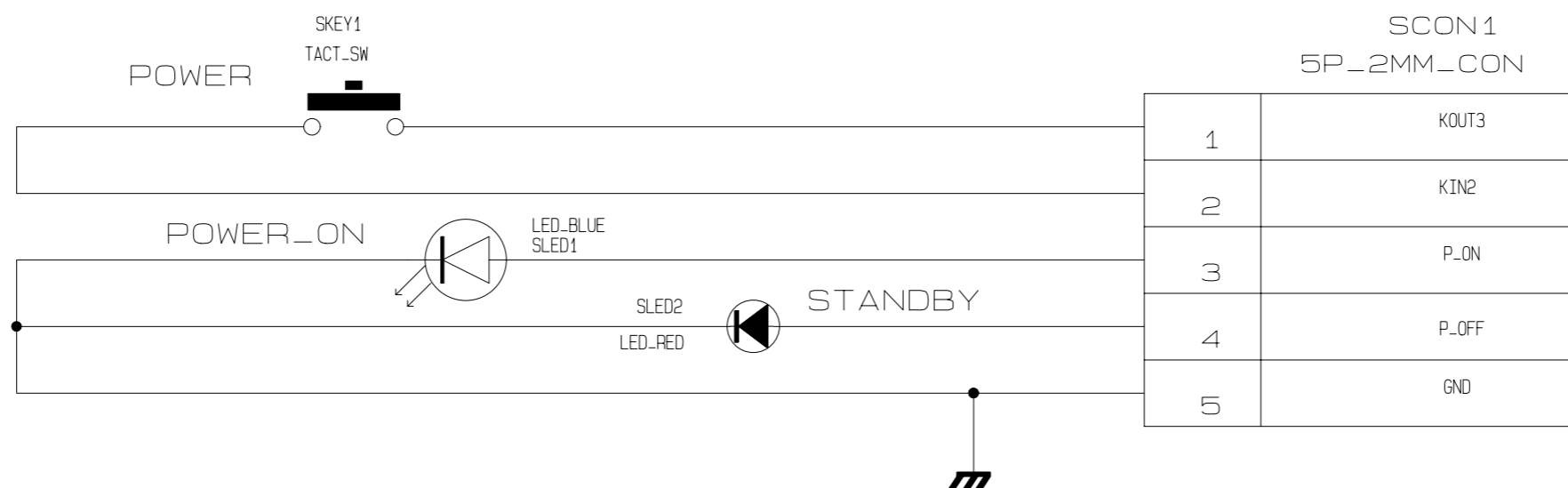
7-21 Front (Front PCB)



Remote control eye data
FU3 Pin3

◆ These are the waveforms of BD-UP5000.
Caution There can be some differences (Voltage, Frequency, etc.) among cameras.

7-22 Power Key (Power Key PCB)



MEMO