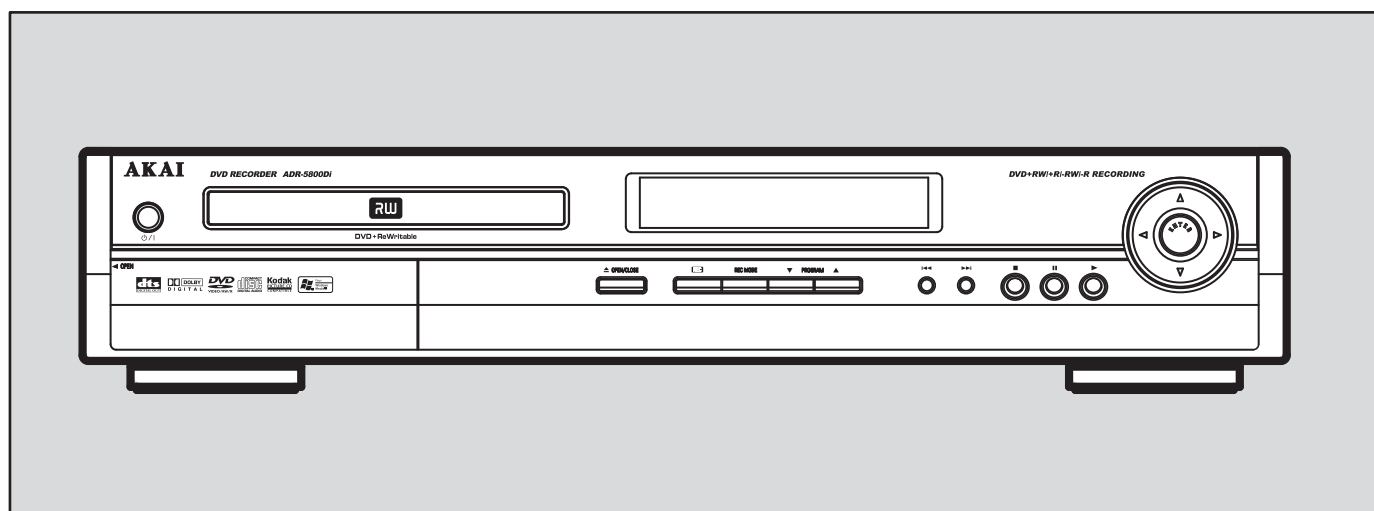


AKAI

SERVICE MANUAL DVD RECORDER PLAYER



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SPECIFICATIONS

AUDIO Section

Audio Output Level	2V
T.H.D	0.006%
S/N	105dB

DVD +RW Playability Section

Eccentric	TDV-PW 512CW	100 μ m
Vertical Deviation(skew)	TDV-PW 532CW	0.6mm(p-p)
Scratch	TDV-PW 521CW	1mm

TV TUNER Section

Audio Output Level (Mono)	100.25MHz	525mV
T.H.D (Mono)	100.25MHz	0.3%
Composite Output Level	100.25MHz	1V(p-p)

DVD -RW Playability Section

Eccentric	TDV-MW 512CW	\pm 140 μ m
Vertical Deviation(skew)	TDV-MW 532CW	0.6mm(p-p)
Scratch	TDV-MW 521CW	0.7mm

DVD VIDEO Section (MDVD-111)

Composite	CVBS Level	1V(p-p)
	Y Level	1V(p-p)
	C Level	286mV(p-p)
RGB	R Level	700mV(p-p)
	G Level	700mV(p-p)
	B Level	700mV(p-p)
Component	Y Level	1V(p-p)
	Pb Level	700mV(p-p)
	Pr Level	700mV(p-p)

DVD +RW/-RW Recording Playability Section

Composite	CVBS Level	1V(p-p)
	Y Level	1V(p-p)
	C Level	286mV(p-p)
RGB	R Level	700mV(p-p)
	G Level	700mV(p-p)
	B Level	700mV(p-p)
Component	Y Level	1V(p-p)
	Pb Level	700mV(p-p)
	Pr Level	700mV(p-p)

GENERAL

Power Supply	230V, 50Hz
Power Consumption	30W
Operating Temperature	+5 $^{\circ}$ C to +40 $^{\circ}$ C
Operating Humidity	5% to 80% RH
Dimensions(W/H/D)	430 x 83 x 367 mm
Net Weight	4 kg

NOTE: Design and specifications are subject to change and improvement without notice

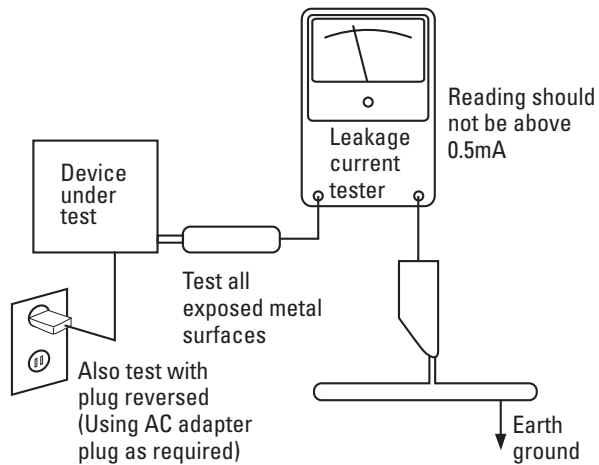
SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5mA.

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

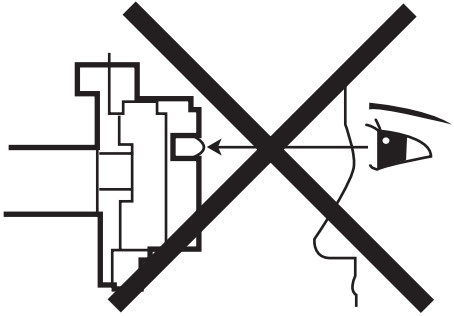


AC Leakage Test

LASER BEAM SAFETY PRECAUTIONS

CLASS 1 LASER PRODUCT

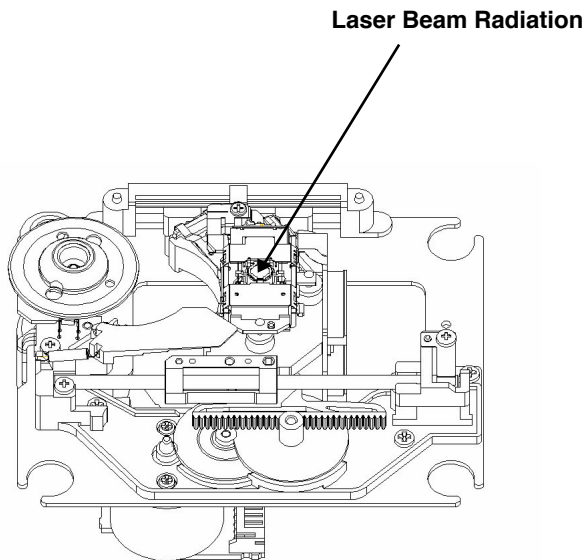
**DANGER
INVISIBLE LASER RADIATION
AVOID DIRECT EXPOSURE TO BEAM**



Do not look directly at the laser beam coming from the pickup or allow it to strike against your skin.

This Receiver uses a pickup that emits a laser beam.

The laser beam is emitted from the location shown in the figure. When checking the laser diode, be sure to keep your eyes at least 1 foot away from the pickup lens when the diode is turned on. Do not look directly at the laser beam.



Caution: Use of controls and adjustments, or doing procedures other than those specified herein, may result in hazardous radiation exposure.

HANDLING LASER PICKUP

The laser diode in the optical system of this receiver can be damaged by electrostatic discharge from clothes, body, etc. Proper electrostatic grounding for service personnel is required during servicing.

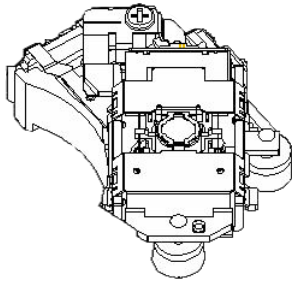
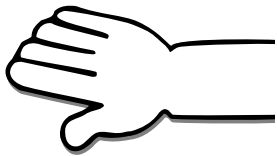
BEFORE REPAIRING THE DVD MECHANISM

a. Human Body Grounding:

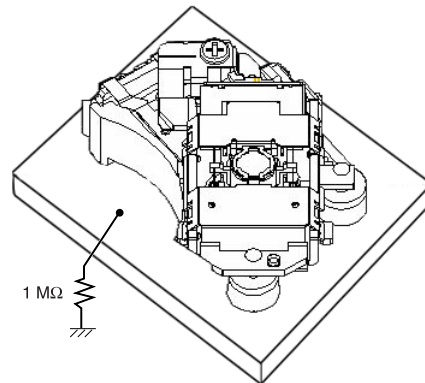
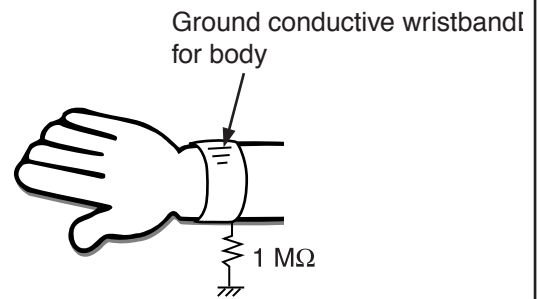
Many of the components used in this compact disc player, including the laser pickup, are sensitive to electrostatic discharge.

Service personnel should be grounded with an electrostatic armband (1M ohm).

INCORRECT



CORRECT



Caution: Static charge on clothing does not escape through a body grounding wristband. Be careful not to contact the pickup or electrical components with your clothing.

b. Workbench and Tool Grounding:

A properly-grounded electroconductive plate (1 M ohm) or metal sheet should be fitted to the workbench surface.

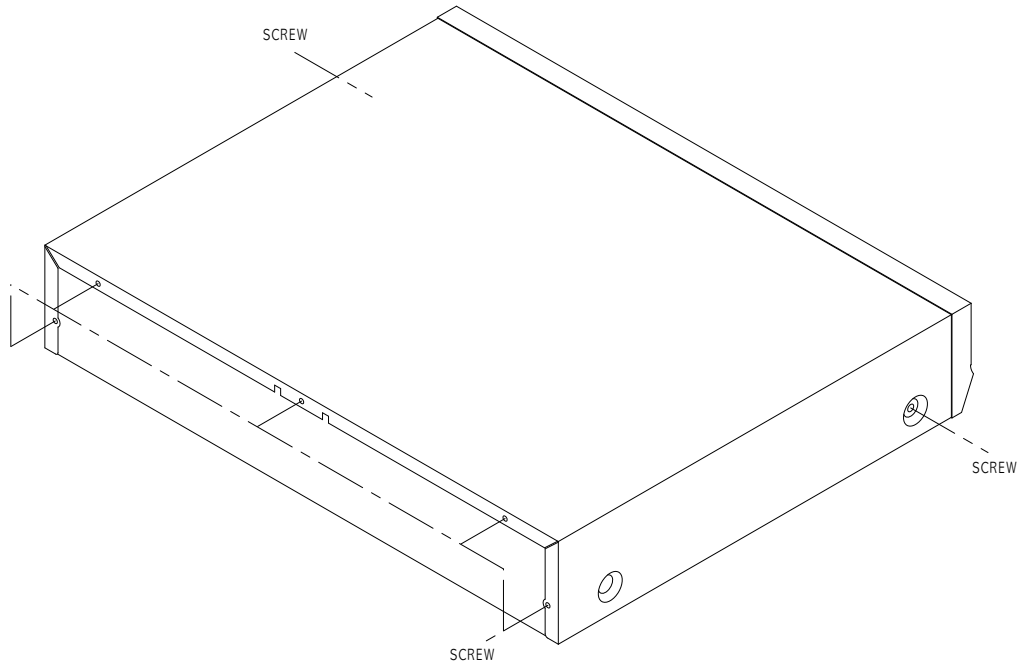
Tools and instruments (soldering irons, scopes, etc.) should be grounded to prevent AC leakage.

c. Make two standard ESD solder bridges on the Laser optic PC Board

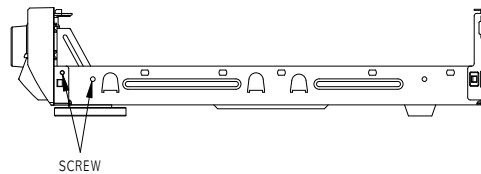
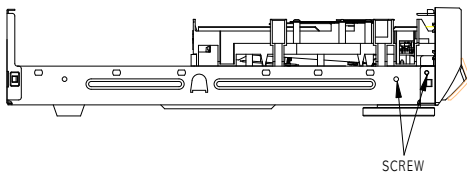
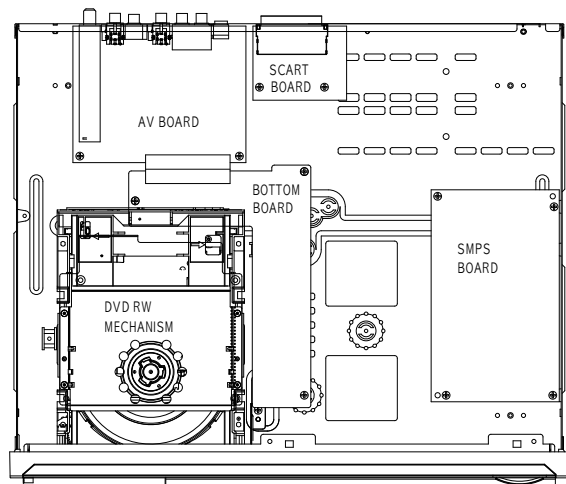
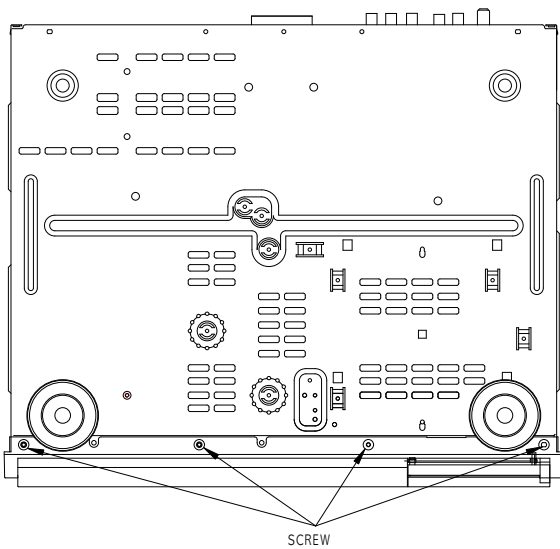
Before disassembly of mechanism or disconnect any cables in it, make two standard ESD solder bridges on the laser optic PC Board.

DISASSEMBLY

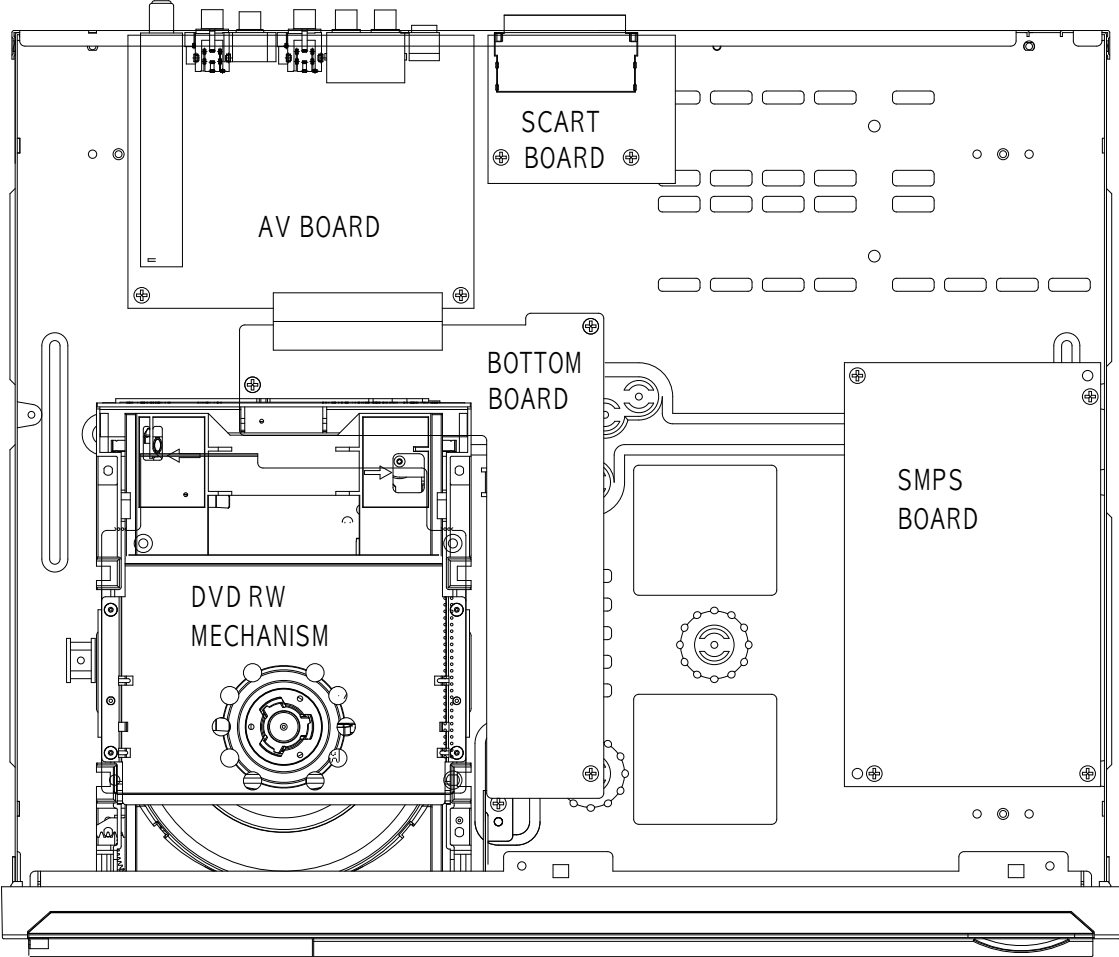
1) REMOVAL OF TOP COVER



2) REMOVAL OF FRONT PANEL



PRINCIPAL PARTS LOCATION



TROUBLE SHOOTING

Incorrect operation is often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used.

Symptom	Cause	Remedy
No power.	The power cord is disconnected.	Plug the power cord into the wall outlet securely.
The power is on, but the DVD player does not work.	No disc is inserted.	Insert a disc. (Check that the DVD or audio CD indicator in the DVD display is lit.)
No picture.	The TV is not set to receive DVD signal output.	Select the appropriate video input mode on the TV so the picture from the DVD player appears on the TV screen.
	The video cable is not connected securely.	Connect the video cable into the jacks securely.
	The connected TV power is turned off.	Turn on the TV
	There is ghosting when P.SCAN output is on. This can occur because your TV does not support P.SCAN.	Reset the machine to the default factory settings.
	Those channels were not deleted.	Use "Execution APS" in the menu to AUTO SEARCH.
	The antenna didn't connect with COAXIAL CABLE.	Check the antenna connecting with COAXIAL CABLE.
The playback picture is poor.	The disc is dirty.	Clean the disc.
	Your TV set is not properly adjusted.	Properly adjusted it.
The DVD player does not start playback.	No disc is inserted.	Insert a disc. (Check that the DVD or CD indicator in the display panel is lit.)
	The DVD player cannot read the disc because it is damaged or an incorrect type (for example, a CD-i).	Check the disc type, color system and regional code. Check for any scratches or smudge on the disc. Insert a readable disc.
	The disc is placed upside down.	Place the disc with the playback side down.
	The disc is not placed within the guide.	Placed the disc on the disc tray correctly inside the guide.
	The disc is dirty.	Clean the disc.
	A menu is on the TV screen.	Press SETUP to turn off the menu screen.
	The rating level is set.	Cancel the rating function or change the rating level.
	You have selected the wrong program number of the DVD Recorder on the TV.	On the TV, select the correct program number for the DVD Recorder.
The cable connecting the TV set and the DVD Recorder has come loose.	Check the cable.	
The remote control does not work properly.	The remote control is not pointed at the remote sensor of the unit.	Point the remote control at remote sensor of the unit.
	The remote control is too far from the unit.	Operate the remote control within about 23 feet (7m).
	There is an obstacle in the path of the remote control and the DVD player.	Remove the obstacle.
	The remote's batteries are exhausted.	Replace the batteries with new ones.
	Other function is selected.	Press the function key what you want to operate.

Symptom	Cause	Remedy
Recording does not work properly.	The disc is not writable DVD DISC.	Remove the disc and insert a proper writable DVD DISC.
	The disc is CD-R / RW.	Only DVD+R/+RW/-R/-RW DISC can be recorded. Remove the disc and insert a proper writable DVD DISC.
	The disc is full.	Remove the disc and insert a blank writable DVD DISC.
	The disc is dirty.	Clean the disc and then try again.
	The disc is a suitable Disc to record.	Use the recommended DISC for better operations.
	The disc is finalized.	Unfinalized the DISC and then record in the disc.
	TV channel you want to record is not stored or selected the wrong program number.	Check TV channels stored.
	The disc is write-protected. (recording protected).	Remove write-protection or change the disc.
Scheduled recording does not work.	You have programmed the wrong time or date.	Check time and date.
	You have not set the TIMER properly.	Check the scheduled recordings.
	Locked disc inserted.	Remove disc lock.
Dim picture.	The brightness and contrast of picture are not adjusted properly.	Adjust them properly.
No sound is output when a function is selected.	Improper connections.	Make sure the component is connected correctly.
	Sound is muted.	Press the remote's MUTE (TV).
	The volume is turned down.	Adjust VOLUME (TV).
	The connected component is not operated properly.	Check the operation of the connected component.
	The audio output is not set properly.	Check the audio output setting.
	The sound is muted during pause, slow motion , fast forward / reverse, and stepping playback.	Press the PLAY button to resume normal playback.
No image is output when a function is selected.	Improper connections.	Make sure the component is connected correctly.
	The input source is not properly selected.	Press the correct function button.
Broadcast stations cannot be selected automatically.	The signal are weak.	Connect an outdoor antenna.
The display is dark.	The dimmer or sleep timer are on.	Press DIMMER again.

■ TEST MODE

TEST Mode shows the information as follows.

- I. Back End Version (It is to express each Buyer, each model, and version number.)
- II. Front End Version (It is to display the Mecha Firmware version number.)
- III. Back End Build time (It can be used to separate each B/E firmware version by the day.)
- IV. Region No.(It is only to display region code.)

[operation]

To enter the first state of test mode, first insert a any DVD DISC and load the DISC.
Then press "STOP" key and the front panel displays "STOP".

then, press key on the remote unit as follows.
[CLEAR] - [2] - [5] - [8] - [0] - [CLEAR]

If you press key correctly, you will see the message below.

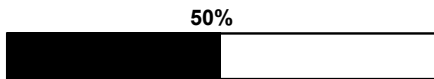
Loader FW ver: X.CA05 - (I : F/E version)
Client ver: 0911PS-MODEL_NO. - (II : B/E version)
Current Region: < X > - (III : Region Number)

<B/E Firmware update>

The update is done with CD-R. (When the firmware is changed, the updated firmware will be provided by Anam on CD-R)

Put the DISC in TRAY and load the CD-R disc, and Dialogue message to confirm B/E firmware update will be displayed on the TV screen.
Updating will begin.

You'll see the update progress on the TV screen.



When the TV screen's display goes off, turn the POWER OFF.
Turn the POWER ON and then DO EEPROM CLEAR.

<F/E Firmware update>

The update is done with CD-R. (When the firmware is changed, the updated firmware will be provided by Anam on CD-R)

- Put the disc on TRAY at normal operation mode.
- Load the DISC and Dialogue message to confirm F/E firmware update will be displayed on the TV screen .
- After about several seconds, DVD door will be open.
- Remove the Disc in the tray and then turn the POWER off.
- Turn the power on
- Remove the disc.

RESISTORS AND CAPACITORS

Notes.

* Circuit No's first character indicates kinds of part type.

C : Capacitors
 R : Resistors
 D : Diode
 J : Jumper
 L : Coil
 Q : Transistors
 S : Switch
 BK : Bracket
 JK : Jack
 IC : Integrated Circuit
 X : Crystal
 BD : Bead

IMPORTANT SAFETY NOTICE

- * Components identified by ! Mark have special characteristics important for safety.
- * When replacing any of these components, use only manufacture's specified parts.
- * The unit of resistance is OHM (Ω)
 $K=1000(\Omega)$, $M=1000(K\Omega)$
- * The unit of capacitance is MICROFARAD (μF)
 $P=10^{-6} \mu F$

Numbering System of Resistor Example

CRD 25 F J 101
 Type Wattage Shape Tolerance Value

Numbering System of Capacitor Example

HCKR 1H 101 K B
 Type Voltage Value Tolerance Pecularity

Resistor Type	Wattage	Tolerance
K(C/H)RD : Carbon	20 : 1/5W	F : 1%
K(C/H)RG : Metal Oxide	25 : 1/4W	J : 5%
	50 : 1/2W	K : 10%
	1 : 1W	
K(C/H)RG : Metal Cement	2 : 2W	
	3 : 3W	
	10 : 1/10W	
K(H)RJ : Carbon. CHIP	14 : 1/4W	

Capacitor Type	Voltage		Tolerance
	HCEA Type	Other	
HCB : Ceramic	0J : 6.3V	1H : 50V DC	C : 0.25pF
CCC : Ceramic	1A : 10V	1 : 125V DC	G : 2%
CCK : Ceramic	1C : 16V	KC : 400V AC	J : 5%
HCQI : Polyester	1E : 25V		K : 10%
HCQP : Polypropylene	1H : 50V		Z : +80%, -20%
HCQS : Polystyrol	1V : 35V		
HCUS : Ceramic			
HCEA : ELECT			
HCEA : ELECT.CHIP			

ELECTRICAL PARTS LIST

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
	COP11740B	FRONT PCB ASS'Y		
	CIP11740B	FRONT PCB AUTO ASS'Y		
	CUP11740	PCB , RW FRONT		
C801	HCBS1H104ZFT	CAP , CERAMIC	0.1UF	
C802	HCBS1H220JT	CAP , CERAMIC	22PF	
C804	CCEA1CKS100T	CAP , ELECT	10UF/16V	
C805	CCEA1HKS100T	CAP , ELECT	10UF/50V	
C806	HCBS1H104ZFT	CAP , CERAMIC	0.1UF	
C807	HCBS1H330JT	CAP , CERAMIC	33PF	
C808	HCBS1H330JT	CAP , CERAMIC	33PF	
C811	HCBS1H104ZFT	CAP , CERAMIC	0.1UF	
C812	HCBS1H120JCT	CAP , CERAMIC	12PF	
C813	HCBS1H120JCT	CAP , CERAMIC	12PF	
C820	HCBS1H104ZFT	CAP , CERAMIC	0.1UF	
C821	CCEA1HKS1R0T	CAP, ELE 1UF/50V/5MM HEIGHT	1UF/50V	
C822	HCBS1H103ZFT	CAP , CERAMIC	0.01UF	
C823	CCEA1CKS100T	CAP , ELECT	10UF/16V	
C824	HCBS1H103ZFT	CAP , CERAMIC	0.01UF	
C825	HCBS1H104ZFT	CAP , CERAMIC	0.1UF	
C826	HCBS1H470JT	CAP , CERAMIC	47PF	
C828	HCBS1H102KBT	CAP , CERAMIC	1000PF	
C829	HCBS1H104ZFT	CAP , CERAMIC	0.1UF	
C830	CCEA1CKS470T	CAP, ELECT 47UF/16V/5MM HEIGHT	47UF/16V	
C831	HCBS1H104ZFT	CAP , CERAMIC	0.1UF	
C832	CCEA1CKS470T	CAP, ELECT 47UF/16V/5MM HEIGHT	47UF/16V	
C833	HCBS1H104ZFT	CAP , CERAMIC	0.1UF	
C834	HCBS1H104ZFT	CAP , CERAMIC	0.1UF	
C835	HCBS1H104ZFT	CAP , CERAMIC	0.1UF	
C836	CCEA1HKS1R0T	CAP, ELE 1UF/50V/5MM HEIGHT	1UF/50V	
C837	CCEA1CKS101T	CAP , ELECT	100UF/16V	
C838	HCBS1H104ZFT	CAP , CERAMIC	0.1UF	
C839	HCBS1H104ZFT	CAP , CERAMIC	0.1UF	
D801	HVD342YCTB7T089	L.E.D , YELLOW	SLR342YCTB7	
D802	HVD1SS133MT	DIODE	1SS133T - 77	
L801	HLQ02C100KT	COIL , AXAIL	10UH	
L802	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
Q801	HVTKRC107MT	T.R	KRC107M	
R801	CRD20TJ102T	RES , CARBON	1K OHM 1/5W J	
R802	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	
R803	CRD20TJ182T	RES , CARBON	1.8K OHM 1/5W J	
R804	CRD20TJ272T	RES , CARBON	2.7K OHM 1/5W J	
R805	CRD20TJ332T	RES , CARBON	3.3K OHM 1/5W J	
R806	CRD20TJ272T	RES , CARBON	2.7K OHM 1/5W J	
R807	CRD20TJ182T	RES , CARBON	1.8K OHM 1/5W J	
R808	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	
R809	CRD20TJ102T	RES , CARBON	1K OHM 1/5W J	
R810	CRD20TJ562T	RES , CARBON	5.6K OHM 1/5W J	
R811	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J	
R816	CRD20TJ331T	RES , CARBON	330 OHM 1/5W J	
R818	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J	
R819	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J	
R820	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	
R821	CRD20TJ330T	RES , CARBON	33 OHM 1/5W J	
R823	CRD20TJ223T	RES , CARBON	22K OHM 1/5W J	
R824	CRD20TJ223T	RES , CARBON	22K OHM 1/5W J	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
R825	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	
R826	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	
R832	CRD20TJ391T	RES , CARBON	390 OHM 1/5W	
R833	CRD20TJ562T	RES , CARBON	5.6K OHM 1/5W J	
R834	CRD20TJ562T	RES , CARBON	5.6K OHM 1/5W J	
R835	CRD20TJ820T	RES , CARBON	82 OHM 1/5W J	
R836	CRD20TJ391T	RES , CARBON	390 OHM 1/5W	
R837	CRD20TJ102T	RES , CARBON	1K OHM 1/5W J	
R838	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	
R839	CRD20TJ182T	RES , CARBON	1.8K OHM 1/5W J	
R840	CRD20TJ272T	RES , CARBON	2.7K OHM 1/5W J	
S801	CST1A012ZT	SW , TACT	00802-0005	
S802	CST1A012ZT	SW , TACT	00802-0005	
S803	CST1A012ZT	SW , TACT	00802-0005	
S804	CST1A012ZT	SW , TACT	00802-0005	
S805	CST1A012ZT	SW , TACT	00802-0005	
S806	CST1A012ZT	SW , TACT	00802-0005	
S807	CST1A012ZT	SW , TACT	00802-0005	
S808	CST1A012ZT	SW , TACT	00802-0005	
S809	CST1A012ZT	SW , TACT	00802-0005	
S810	CST1A012ZT	SW , TACT	00802-0005	
S811	CST1A012ZT	SW , TACT	00802-0005	
S812	CST1A012ZT	SW , TACT	00802-0005	
S813	CST1A012ZT	SW , TACT	00802-0005	
S814	CST1A012ZT	SW , TACT	00802-0005	
S815	CST1A012ZT	SW , TACT	00802-0005	
S816	CST1A012ZT	SW , TACT	00802-0005	
BN12	CWB1B913460EN	WIRE ASS'Y		
BN14	CWZADR5800BN14	WIRE ASS'Y		
BN71	CWB1B909480EN	WIRE ASS'Y		
BN73	CWB1B905200EN	WIRE ASS'Y		
BN82	CWB1B907180EN	WIRE ASS'Y		
BN84	CWZADR5800BN84	WIRE ASS'Y		
BT81	HGP15BNH3A3H	BATTERY , RECHARGEABLE	GP15BNH3A3H	
CN84	CJP03GA19ZY	WAFER, STRAIGHT, 3PIN		
FL81	HFL11BT229GNK	FIP		
IC81	HVIST92F124V1T6	I.C , MCU (FLASH 128K,TQFP100)	ST92F124V1T6	
IC82	HVIDS1307Z	I.C , REAL TIME CLOCK	DS1307Z	
IC83	HVIRH5VT45C	I.C , RESET	RICOH 4.5V	
IC84	HVIRH5VT30C	I.C , RESET	RICOH 3.0V	
IC85	HVILC75725E	IC , VFL DRIVER		
JK81	KJJ9L002Z	IEEE - 1394 CONNECTOR	54516-0461	
JK82	CJJ9M004Z	JACK , S-VHS		
JK83	CJJ4S028Z	JACK , BOARD (3P)	ADVR - 7100	
RC81	HRVKSM603TH2	REMOCON SENSER	KSM-603TH2	CN
US04	CMC1A111	PLATE , EARTH		
US05	CMC1A111	PLATE , EARTH		
X801	HOX04000E150C	CRYSTAL , 4MHZ		
X802	HOX00032K120I	CRYSTAL , 32.768KHZ	TUNING FORK	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
	COP11757B	MAIN PCB ASS'Y		
	CIP11757BSMD	MAIN PCB ASS'Y		
	CIP11757BBSMD	MAIN PCB BOTTOM SMD ASS'Y		
	CUP11791	PCB , MAIN		
C016	HCUS1H103KC	CAP , CHIP	0.01UF	
C023	HCUS1E104ZF	CAP , CHIP	0.1UF	
C027	HCUS1E104ZF	CAP , CHIP	0.1UF	
C029	HCUS1E104ZF	CAP , CHIP	0.1UF	
C032	HCUS1E104ZF	CAP , CHIP	0.1UF	
C033	HCUS1E104ZF	CAP , CHIP	0.1UF	
C037	HCUS1H103KC	CAP , CHIP	0.01UF	
C051	HCUS1E104ZF	CAP , CHIP	0.1UF	
C053	HCUS1E104ZF	CAP , CHIP	0.1UF	
C054	HCUS1H680JA	CAP , CHIP	68PF	
C055	HCUS1H680JA	CAP , CHIP	68PF	
C056	HCUS1E104ZF	CAP , CHIP	0.1UF	
C057	HCUS1H221JA	CAP , CHIP	220PF	
C058	HCUS1H680JA	CAP , CHIP	68PF	
C059	HCUS1H221JA	CAP , CHIP	220PF	
C060	HCUS1H221JA	CAP , CHIP	220PF	
C061	HCUS1E104ZF	CAP , CHIP	0.1UF	
C062	HCUS1H680JA	CAP , CHIP	68PF	
C063	HCUS1H680JA	CAP , CHIP	68PF	
C064	HCUS1E104ZF	CAP , CHIP	0.1UF	
C065	HCUS1H103KC	CAP , CHIP	0.01UF	
C066	HCUS1E104ZF	CAP , CHIP	0.1UF	
C067	HCUS1H680JA	CAP , CHIP	68PF	
C068	HCUS1C224ZF	CAP , CHIP	0.22UF	
C069	HCUS1C224ZF	CAP , CHIP	0.22UF	
C070	HCUS1E104ZF	CAP , CHIP	0.1UF	
C071	HCUS1C224ZF	CAP , CHIP	0.22UF	
C072	HCUS1H470JA	CAP , CHIP	47PF	
C073	HCUS1H103KC	CAP , CHIP	0.01UF	
C074	HCUS1E104ZF	CAP , CHIP	0.1UF	
C075	HCUS1E104ZF	CAP , CHIP	0.1UF	
C076	HCUS1H102KC	CAP , CHIP	0.001UF	
C077	HCUS1E104ZF	CAP , CHIP	0.1UF	
C078	HCUS1H102KC	CAP , CHIP	0.001UF	
C079	HCUS1E104ZF	CAP , CHIP	0.1UF	
C080	HCUS1E104ZF	CAP , CHIP	0.1UF	
C081	HCUS1H103KC	CAP , CHIP	0.01UF	
C082	HCUS1E104ZF	CAP , CHIP	0.1UF	
C083	HCUS1H470JA	CAP , CHIP	47PF	
C084	HCUS1E104ZF	CAP , CHIP	0.1UF	
C085	HCUS1E104ZF	CAP , CHIP	0.1UF	
C086	HCUS1H103KC	CAP , CHIP	0.01UF	
C087	HCUS1E104ZF	CAP , CHIP	0.1UF	
C088	HCUS1E104ZF	CAP , CHIP	0.1UF	
C089	HCUS1H103KC	CAP , CHIP	0.01UF	
C090	HCUS1H103KC	CAP , CHIP	0.01UF	
C091	HCUS1H102KC	CAP , CHIP	0.001UF	
C092	HCUS1H102KC	CAP , CHIP	0.001UF	
C093	HCUS1E104ZF	CAP , CHIP	0.1UF	
C094	HCUS1H470JA	CAP , CHIP	47PF	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
C095	HCUS1E104ZF	CAP , CHIP	0.1UF	
C096	HCUS1E104ZF	CAP , CHIP	0.1UF	
C097	HCUS1E104ZF	CAP , CHIP	0.1UF	
C098	HCUS1E104ZF	CAP , CHIP	0.1UF	
C099	HCUS1E104ZF	CAP , CHIP	0.1UF	
C100	HCUS1H103KC	CAP , CHIP	0.01UF	
C101	HCUS1E104ZF	CAP , CHIP	0.1UF	
C102	HCUS1E104ZF	CAP , CHIP	0.1UF	
C103	HCUS1H103KC	CAP , CHIP	0.01UF	
C104	HCUS1H103KC	CAP , CHIP	0.01UF	
C105	HCUS1E104ZF	CAP , CHIP	0.1UF	
C106	HCUS1H102KC	CAP , CHIP	0.001UF	
C107	HCUS1E104ZF	CAP , CHIP	0.1UF	
C108	HCUS1E104ZF	CAP , CHIP	0.1UF	
C109	HCUS1E104ZF	CAP , CHIP	0.1UF	
C110	HCUS1E104ZF	CAP , CHIP	0.1UF	
C111	HCUS1H103KC	CAP , CHIP	0.01UF	
C112	HCUS1E104ZF	CAP , CHIP	0.1UF	
C113	HCUS1E104ZF	CAP , CHIP	0.1UF	
C114	HCUS1E104ZF	CAP , CHIP	0.1UF	
C115	HCUS1H102KC	CAP , CHIP	0.001UF	
C116	HCUS1E104ZF	CAP , CHIP	0.1UF	
C117	HCUS1H102KC	CAP , CHIP	0.001UF	
C118	HCUS1E104ZF	CAP , CHIP	0.1UF	
C119	HCUS1H103KC	CAP , CHIP	0.01UF	
C120	HCUS1H103KC	CAP , CHIP	0.01UF	
C121	HCUS1E104ZF	CAP , CHIP	0.1UF	
C122	HCUS1E104ZF	CAP , CHIP	0.1UF	
C123	HCUS1E104ZF	CAP , CHIP	0.1UF	
C124	HCUS1E104ZF	CAP , CHIP	0.1UF	
C125	HCUS1H102KC	CAP , CHIP	0.001UF	
C126	HCUS1H103KC	CAP , CHIP	0.01UF	
C127	HCUS1E104ZF	CAP , CHIP	0.1UF	
C128	HCUS1H102KC	CAP , CHIP	0.001UF	
C129	HCUS1E104ZF	CAP , CHIP	0.1UF	
C130	HCUS1E104ZF	CAP , CHIP	0.1UF	
C131	HCUS1H103KC	CAP , CHIP	0.01UF	
C132	HCUS1E104ZF	CAP , CHIP	0.1UF	
C133	HCUS1H103KC	CAP , CHIP	0.01UF	
C134	HCUS1E104ZF	CAP , CHIP	0.1UF	
C135	HCUS1E104ZF	CAP , CHIP	0.1UF	
C136	HCUS1E104ZF	CAP , CHIP	0.1UF	
C137	HCUS1H102KC	CAP , CHIP	0.001UF	
C138	HCUS1H102KC	CAP , CHIP	0.001UF	
C139	HCUS1E104ZF	CAP , CHIP	0.1UF	
C140	HCUS1E104ZF	CAP , CHIP	0.1UF	
C141	HCUS1H103KC	CAP , CHIP	0.01UF	
C142	HCUS1E104ZF	CAP , CHIP	0.1UF	
C143	HCUS1E104ZF	CAP , CHIP	0.1UF	
C144	HCUS1E104ZF	CAP , CHIP	0.1UF	
C145	HCUS1E104ZF	CAP , CHIP	0.1UF	
C146	HCUS1E104ZF	CAP , CHIP	0.1UF	
C147	HCUS1H102KC	CAP , CHIP	0.001UF	
C148	HCUS1E104ZF	CAP , CHIP	0.1UF	
C149	HCUS1E104ZF	CAP , CHIP	0.1UF	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
C150	HCUS1H102KC	CAP , CHIP	0.001UF	
C151	HCUS1E104ZF	CAP , CHIP	0.1UF	
C152	HCUS1E104ZF	CAP , CHIP	0.1UF	
C153	HCUS1E104ZF	CAP , CHIP	0.1UF	
C154	HCUS1E104ZF	CAP , CHIP	0.1UF	
C155	HCUS1E104ZF	CAP , CHIP	0.1UF	
C156	HCUS1E104ZF	CAP , CHIP	0.1UF	
C157	HCUS1H102KC	CAP , CHIP	0.001UF	
C158	HCUS1H103KC	CAP , CHIP	0.01UF	
C159	HCUS1H103KC	CAP , CHIP	0.01UF	
C160	HCUS1E104ZF	CAP , CHIP	0.1UF	
C161	HCUS1H102KC	CAP , CHIP	0.001UF	
C162	HCUS1E104ZF	CAP , CHIP	0.1UF	
C163	HCUS1H102KC	CAP , CHIP	0.001UF	
C164	HCUS1E104ZF	CAP , CHIP	0.1UF	
C165	HCUS1H102KC	CAP , CHIP	0.001UF	
C166	HCUS1E104ZF	CAP , CHIP	0.1UF	
C167	HCUS1H102KC	CAP , CHIP	0.001UF	
C168	HCUS1E104ZF	CAP , CHIP	0.1UF	
C169	HCUS1E104ZF	CAP , CHIP	0.1UF	
C170	HCUS1E104ZF	CAP , CHIP	0.1UF	
C171	HCUS1H103KC	CAP , CHIP	0.01UF	
C172	HCUS1H103KC	CAP , CHIP	0.01UF	
C173	HCUS1E104ZF	CAP , CHIP	0.1UF	
C174	HCUS1E104ZF	CAP , CHIP	0.1UF	
C175	HCUS1E104ZF	CAP , CHIP	0.1UF	
C176	HCUS1H102KC	CAP , CHIP	0.001UF	
C177	HCUS1E104ZF	CAP , CHIP	0.1UF	
C178	HCUS1E104ZF	CAP , CHIP	0.1UF	
C179	HCUS1H103KC	CAP , CHIP	0.01UF	
C180	HCUS1E104ZF	CAP , CHIP	0.1UF	
C181	HCUS1E104ZF	CAP , CHIP	0.1UF	
C182	HCUS1E104ZF	CAP , CHIP	0.1UF	
C183	HCUS1H102KC	CAP , CHIP	0.001UF	
C184	HCUS1H103KC	CAP , CHIP	0.01UF	
C185	HCUS1E104ZF	CAP , CHIP	0.1UF	
C186	HCUS1E104ZF	CAP , CHIP	0.1UF	
C187	HCUS1H332KC	CAP , CHIP	0.1UF	
C188	HCUS1H103KC	CAP , CHIP	0.01UF	
C189	HCUS1H102KC	CAP , CHIP	0.001UF	
C190	HCUS1E104ZF	CAP , CHIP	0.1UF	
C191	HCUS1E104ZF	CAP , CHIP	0.1UF	
C192	HCUS1H102KC	CAP , CHIP	0.001UF	
C193	HCUS1E104ZF	CAP , CHIP	0.1UF	
C194	HCUS1H102KC	CAP , CHIP	0.001UF	
C195	HCUS1E104ZF	CAP , CHIP	0.1UF	
C196	HCUS1H103KC	CAP , CHIP	0.01UF	
C197	HCUS1H103KC	CAP , CHIP	0.01UF	
C198	HCUS1E104ZF	CAP , CHIP	0.1UF	
C199	HCUS1H103KC	CAP , CHIP	0.01UF	
C200	HCUS1E104ZF	CAP , CHIP	0.1UF	
C201	HCUS1H221JA	CAP , CHIP	220PF	
C202	HCUS1H220JA	CAP , CHIP	22PF	
C203	HCUS1H220JA	CAP , CHIP	22PF	
C204	CRJ10DJ0R0T	RES , CHIP	0	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
C205	CRJ10DJ0R0T	RES , CHIP	0	
C206	HCUS1H220JA	CAP , CHIP	22PF	
FB03	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
FB04	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
FB05	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
FB06	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
FB07	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
FB08	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
FB09	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
FB11	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
FB12	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L001	HLQ09E8R2KRZ	CHIP , COIL	8.2UH	
L002	HLQ09E8R2KRZ	CHIP , COIL	8.2UH	
L003	HLQ09E8R2KRZ	CHIP , COIL	8.2UH	
L004	HLQ09E8R2KRZ	CHIP , COIL	8.2UH	
L005	HLQ09E8R2KRZ	CHIP , COIL	8.2UH	
L006	HLQ09E8R2KRZ	CHIP , COIL	8.2UH	
RP18	CRJ104DJ471T	RES , 4 ARRAY	470 X 4	
RP21	CRJ104DJ472T	RES , 4 ARRAY	4.7K X 4	
R003	CRJ10DJ0R0T	RES , CHIP	0	
R006	CRJ10DJ0R0T	RES , CHIP	0	
R051	CRJ10DJ0R0T	RES , CHIP	0	
R054	CRJ10DJ0R0T	RES , CHIP	0	
R056	CRJ10DJ220T	RES , CHIP	22	
R057	CRJ10DJ560T	RES , CHIP	56	
R058	CRJ10DJ220T	RES , CHIP	22	
R059	CRJ10DJ221T	RES , CHIP	220	
R060	CRJ10DJ560T	RES , CHIP	56	
R061	CRJ10DJ472T	RES , CHIP	4.7K	
R062	CRJ10DJ472T	RES , CHIP	4.7K	
R064	CRJ10DJ0R0T	RES , CHIP	0	
R065	CRJ10DJ330T	RES , CHIP	33	
R066	CRJ10DJ102T	RES , CHIP	1 K	
R067	CRJ10DJ472T	RES , CHIP	4.7K	
R068	CRJ10DF2490T	RES , CHIP	249	
R069	CRJ10DF2490T	RES , CHIP	249	
R070	CRJ10DJ102T	RES , CHIP	1 K	
R071	CRJ10DJ330T	RES , CHIP	33	
R072	CRJ10DJ330T	RES , CHIP	33	
R073	CRJ10DJ330T	RES , CHIP	33	
R074	CRJ10DF2490T	RES , CHIP	249	
R075	CRJ10DF49R9T	RES , CHIP	49.9	
R076	CRJ10DF49R9T	RES , CHIP	49.9	
R077	CRJ10DF49R9T	RES , CHIP	49.9	
R078	CRJ10DJ0R0T	RES , CHIP	0	
R079	CRJ10DF3920T	RES , CHIP	392	
R080	CRJ10DJ0R0T	RES , CHIP	0	
R081	CRJ10DJ472T	RES , CHIP	4.7K	
R082	CRJ10DJ0R0T	RES , CHIP	0	
R083	CRJ10DJ472T	RES , CHIP	4.7K	
R084	CRJ10DJ472T	RES , CHIP	4.7K	
R085	CRJ10DJ0R0T	RES , CHIP	0	
R086	CRJ10DJ472T	RES , CHIP	4.7K	
R087	CRJ10DJ0R0T	RES , CHIP	0	
R088	CRJ10DJ102T	RES , CHIP	1 K	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
R089	CRJ10DF1210T	RES , CHIP	120	
R090	CRJ10DF53R6T	RES , CHIP	53.6	
R091	CRJ10DJ510T	RES , CHIP	51	
R092	CRJ10DJ102T	RES , CHIP	1 K	
R094	CRJ10DJ510T	RES , CHIP	51	
R095	CRJ10DJ510T	RES , CHIP	51	
R096	CRJ10DJ510T	RES , CHIP	51	
R098	CRJ10DJ510T	RES , CHIP	51	
R099	CRJ10DJ510T	RES , CHIP	51	
R100	CRJ10DJ510T	RES , CHIP	51	
R103	CRJ10DJ0R0T	RES , CHIP	0	
R105	CRJ10DJ510T	RES , CHIP	51	
R106	CRJ10DJ0R0T	RES , CHIP	0	
R108	CRJ10DJ510T	RES , CHIP	51	
R109	CRJ10DJ472T	RES , CHIP	4.7K	
R110	CRJ10DJ103T	RES , CHIP	10 K	
R111	CRJ10DJ103T	RES , CHIP	10 K	
R112	CRJ10DJ103T	RES , CHIP	10 K	
R113	CRJ10DJ102T	RES , CHIP	1 K	
R114	CRJ10DJ0R0T	RES , CHIP	0	
R115	CRJ10DJ0R0T	RES , CHIP	0	
R116	CRJ10DJ510T	RES , CHIP	51	
R118	CRJ10DJ103T	RES , CHIP	10 K	
R119	CRJ10DJ103T	RES , CHIP	10 K	
R120	CRJ10DJ103T	RES , CHIP	10 K	
R121	CRJ10DJ102T	RES , CHIP	1 K	
R122	CRJ10DJ103T	RES , CHIP	10 K	
R123	CRJ10DF6341T	RES , CHIP	6.34 K	
R126	CRJ10DJ103T	RES , CHIP	10 K	
R127	CRJ10DJ103T	RES , CHIP	10 K	
R128	CRJ10DJ103T	RES , CHIP	10 K	
R129	CRJ10DJ103T	RES , CHIP	10 K	
R130	CRJ10DJ512T	RES , CHIP	5.1 K	
R131	CRJ10DJ103T	RES , CHIP	10 K	
R132	CRJ10DJ330T	RES , CHIP	33	
R133	CRJ10DJ330T	RES , CHIP	33	
R134	CRJ10DJ330T	RES , CHIP	33	
R135	CRJ10DJ330T	RES , CHIP	33	
R136	CRJ10DJ330T	RES , CHIP	33	
R137	CRJ10DJ330T	RES , CHIP	33	
R138	CRJ10DJ105T	RES , CHIP	1 M	
R139	CRJ10DJ0R0T	RES , CHIP	0	
R140	CRJ10DJ103T	RES , CHIP	10 K	
R142	CRJ10DJ0R0T	RES , CHIP	0	
R360	CRJ10DJ330T	RES , CHIP	33	
U011	HOX27000ISZ	CRYSTAL , OSC	SMD SEALED TYPE	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
	CIP11757BTSMD	MAIN PCB TOP SMD ASS'Y		
C001	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C002	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C003	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C004	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C005	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C007	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C008	HCUS1E104ZF	CAP , CHIP	0.1UF	
C009	HCUS1H332KC	CAP , CHIP	3300PF	
C010	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C011	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C012	HCUS1E104ZF	CAP , CHIP	0.1UF	
C013	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C014	HCUS1H103KC	CAP , CHIP	0.01UF	
C015	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C017	HCUS1E104ZF	CAP , CHIP	0.1UF	
C018	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C019	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C020	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C021	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C022	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C024	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C025	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C026	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C028	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C030	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C031	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C034	HCUS1H103KC	CAP , CHIP	0.01UF	
C035	HCUS1H102KC	CAP , CHIP	0.001UF	
C036	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C038	HCUS1E104ZF	CAP , CHIP	0.1UF	
C039	HCUS1E104ZF	CAP , CHIP	0.1UF	
C040	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C041	HCUS1H103KC	CAP , CHIP	0.01UF	
C042	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C043	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C044	HCUS1H102KC	CAP , CHIP	0.001UF	
C045	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C046	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C047	HCUS1H103KC	CAP , CHIP	0.01UF	
C048	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C049	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C050	HCEC0JRV2470T	CAP , CHIP ELECT	47UF/6.3V	
C052	HCEC1HRV21R0T	CAP , CHIP ELECT	1UF/50V	
FB01	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
FB02	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
RP01	CRJ104DJ220T	RES , 4 ARRAY	22 X 4	
RP02	CRJ104DJ472T	RES , 4 ARRAY	4.7K X 4	
RP03	CRJ104DJ471T	RES , 4 ARRAY	470 X 4	
RP04	CRJ104DJ220T	RES , 4 ARRAY	22 X 4	
RP05	CRJ104DJ220T	RES , 4 ARRAY	22 X 4	
RP06	CRJ104DJ220T	RES , 4 ARRAY	22 X 4	
RP07	CRJ104DJ470T	RES , 4 ARRAY	47 X 4	
RP08	CRJ104DJ470T	RES , 4 ARRAY	47 X 4	
RP09	CRJ104DJ470T	RES , 4 ARRAY	47 X 4	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
RP10	CRJ104DJ470T	RES , 4 ARRAY	47 X 4	
RP11	CRJ104DJ470T	RES , 4 ARRAY	47 X 4	
RP12	CRJ104DJ470T	RES , 4 ARRAY	47 X 4	
RP13	CRJ104DJ470T	RES , 4 ARRAY	47 X 4	
RP14	CRJ104DJ470T	RES , 4 ARRAY	47 X 4	
RP15	CRJ104DJ472T	RES , 4 ARRAY	4.7K X 4	
RP16	CRJ104DJ472T	RES , 4 ARRAY	4.7K X 4	
RP17	CRJ104DJ472T	RES , 4 ARRAY	4.7K X 4	
RP19	CRJ104DJ220T	RES , 4 ARRAY	22 X 4	
RP20	CRJ104DJ220T	RES , 4 ARRAY	22 X 4	
R001	CRJ10DJ101T	RES , CHIP	100	
R002	CRJ10DJ102T	RES , CHIP	1 K	
R004	CRJ10DJ102T	RES , CHIP	1 K	
R005	CRJ10DJ330T	RES , CHIP	33	
R007	CRJ10DJ220T	RES , CHIP	22	
R008	CRJ10DJ330T	RES , CHIP	33	
R009	CRJ10DJ0R0T	RES , CHIP	0	
R010	CRJ10DJ0R0T	RES , CHIP	0	
R011	CRJ10DJ562T	RES , CHIP	5.6 K	
R012	CRJ10DJ330T	RES , CHIP	33	
R013	CRJ10DJ0R0T	RES , CHIP	0	
R014	CRJ10DJ102T	RES , CHIP	1 K	
R015	CRJ10DJ0R0T	RES , CHIP	0	
R016	CRJ10DJ472T	RES , CHIP	4.7K	
R017	CRJ10DJ472T	RES , CHIP	4.7K	
R018	CRJ10DJ472T	RES , CHIP	4.7K	
R019	CRJ10DJ472T	RES , CHIP	4.7K	
R020	CRJ10DJ472T	RES , CHIP	4.7K	
R021	CRJ10DJ472T	RES , CHIP	4.7K	
R022	CRJ10DJ472T	RES , CHIP	4.7K	
R023	CRJ10DJ330T	RES , CHIP	33	
R024	CRJ10DJ472T	RES , CHIP	4.7K	
R025	CRJ10DJ220T	RES , CHIP	22	
R026	CRJ10DJ472T	RES , CHIP	4.7K	
R027	CRJ10DJ103T	RES , CHIP	10 K	
R028	CRJ10DJ103T	RES , CHIP	10 K	
R029	CRJ10DJ103T	RES , CHIP	10 K	
R030	CRJ10DJ102T	RES , CHIP	1 K	
R031	CRJ10DJ103T	RES , CHIP	10 K	
R032	CRJ10DJ0R0T	RES , CHIP	0	
R033	CRJ10DF56R2T	RES , CHIP	56.2	
R034	CRJ10DF56R2T	RES , CHIP	56.2	
R035	CRJ10DJ472T	RES , CHIP	4.7K	
R036	CRJ10DJ103T	RES , CHIP	10 K	
R037	CRJ10DJ103T	RES , CHIP	10 K	
R038	CRJ10DJ103T	RES , CHIP	10 K	
R039	CRJ10DJ103T	RES , CHIP	10 K	
R040	CRJ10DJ103T	RES , CHIP	10 K	
R041	CRJ10DF56R2T	RES , CHIP	56.2	
R042	CRJ10DF56R2T	RES , CHIP	56.2	
R043	CRJ10DJ330T	RES , CHIP	33	
U003	HVIHY57V281620H	I.C , SDRAM		
U004	HVITSB41AB1 -PHP	I.C , IEEE - 1394	TSB41AB1 - PHP	
U005	HVITSB42AB4PDT	I.C , IEEE - 1394	TSB42AB4PDT	
U006	HVIZR35100PQC	I.C , ACTIVA 100		

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
U007	HVIHY57V281620H	I.C , SDRAM		
U010	HVILM1086R-AD	I.C , L.D.O REGUALTOR	LM1086R-ADJ	
U015	HVIHY57V281620H	I.C , SDRAM		
U018	HVI74LVX125MTR	I.C , 3 STATE BUFFERS	74LVX125MTR	
U019	HVIZR36750BGC	I.C , MPEG		
U020	HVIM29W320DT70N	I.C , 32BIT FLASH MEMORY	32Mbit	
U022	HVIHY57V281620H	I.C , SDRAM		
U024	HVIAT24C08N10SC	I.C	AT24C08N10SC2.7	
CN11	CJP13GA19ZY	WAFER, STRAIGHT, 13PIN		
CN12	CJP13GA19ZY	WAFER, STRAIGHT, 13PIN		
CN13	KJP40GA80ZP	HEADER ATAPI 40P (STRAIGHT)	POWERNET	
CN14	CJP06GA19ZY	WAFER, STRAIGHT, 6PIN		
CN32	CJP26GA147ZW	26 DUAL WAFER	JWT	
CN33	CJP24GA147ZW	24 DUAL WAFER	JWT	
CN74	CJP10GA19ZY	WAFER, STRAIGHT, 10PIN		
US82	CMC1A111	PLATE , EARTH		
Y002	HOX24576E150TF	CRYSTAL	24.576MHZ	
	HCEA1EKS470T	ELECT ,CAP	47UF 25V KS	
	HCEA1EKS470T	CAP , ELECT	47UF 25V KS	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
	COP11756B	VIDEO PCB ASS'Y		
	CIP11756B	VIDEO PCB AUTO ASS'Y		
	CIP11756BSMD	VIDEO PCB SMD ASS'Y		
	CUP11699	PCB, MAIN		
C002	HCUS1H104ZF	CAP , CHIP	0.1UF	
C007	HCUS1H103KC	CAP , CHIP	0.01UF	
C008	HCUS1H103KC	CAP , CHIP	0.01UF	
C012	HCUS1H103KC	CAP , CHIP	0.01UF	
C700	HCUS1C105ZF	CAP , CHIP	1UF	
C702	HCUS1H103KC	CAP , CHIP	0.01UF	
C703	HCUS1H103KC	CAP , CHIP	0.01UF	
C704	HCUS1H270JA	CAP , CHIP	27PF	
C705	HCUS1H270JA	CAP , CHIP	27PF	
C707	HCUS1H270JA	CAP , CHIP	27PF	
C709	HCUS1H270JA	CAP , CHIP	27PF	
C713	HCUS1H151JA	CAP , CHIP	150PF	
C714	HCUS1H151JA	CAP , CHIP	150PF	
C715	HCUS1H151JA	CAP , CHIP	150PF	
C716	HCUS1H270JA	CAP , CHIP	27PF	
C717	HCUS1H151JA	CAP , CHIP	150PF	
C719	HCUS1H103KC	CAP , CHIP	0.01UF	
C722	HCUS1H180JC	CAP , CHIP	18PF	
C723	HCUS1H180JC	CAP , CHIP	18PF	
C724	HCUS1H180JC	CAP , CHIP	18PF	
C726	HCUS1H104ZF	CAP , CHIP	0.1UF	
C727	HCUS1H180JC	CAP , CHIP	18PF	
C730	HCUS1H104ZF	CAP , CHIP	0.1UF	
C731	HCUS1H104ZF	CAP , CHIP	0.1UF	
C732	HCUS1H180JC	CAP , CHIP	18PF	
C733	HCUS1H180JC	CAP , CHIP	18PF	
C734	HCUS1H180JC	CAP , CHIP	18PF	
C735	HCUS1H180JC	CAP , CHIP	18PF	
C738	HCUS1H471JA	CAP , CHIP	470PF	
C739	HCUS1C105ZF	CAP , CHIP	1UF	
C740	HCUS1H180JC	CAP , CHIP	18PF	
C741	HCUS1H104ZF	CAP , CHIP	0.1UF	
C742	HCUS1H104ZF	CAP , CHIP	0.1UF	
C743	HCUS1H180JC	CAP , CHIP	18PF	
C745	HCUS1H180JC	CAP , CHIP	18PF	
C750	HCUS1H102KC	CAP , CHIP	0.001UF	
C751	HCUS1H102KC	CAP , CHIP	0.001UF	
C752	HCUS1H180JC	CAP , CHIP	18PF	
C753	HCUS1H104ZF	CAP , CHIP	0.1UF	
C754	HCUS1H104ZF	CAP , CHIP	0.1UF	
C755	HCUS1H104ZF	CAP , CHIP	0.1UF	
C756	HCUS1H102KC	CAP , CHIP	0.001UF	
C757	HCUS1H561JA	CAP , CHIP	560PF	
C763	HCUS1H561JA	CAP , CHIP	560PF	
C766	HCUS1H103KC	CAP , CHIP	0.01UF	
C769	HCUS1H103KC	CAP , CHIP	0.01UF	
C770	HCUS1H104ZF	CAP , CHIP	0.1UF	
C771	HCUS1H103KC	CAP , CHIP	0.01UF	
C776	HCUS1H152KC	CAP , CHIP	1500PF	
C778	HCUS1H104ZF	CAP , CHIP	0.1UF	
C782	HCUS1H104ZF	CAP , CHIP	0.1UF	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
C784	HCUS1H270JA	CAP , CHIP	27PF	
C793	HCUS1H471JA	CAP , CHIP	470PF	
C794	HCUS1H180JC	CAP , CHIP	18PF	
C795	HCUS1H180JC	CAP , CHIP	18PF	
C805	HCUS1H150JA	CAP , CHIP	15PF	
C806	HCUS1H150JA	CAP , CHIP	15PF	
C814	HCUS1H104ZF	CAP , CHIP	0.1UF	
C815	HCUS1H104ZF	CAP , CHIP	0.1UF	
C817	HCUS1H104ZF	CAP , CHIP	0.1UF	
C818	HCUS1H104ZF	CAP , CHIP	0.1UF	
C821	HCUS1H103KC	CAP , CHIP	0.01UF	
C823	HCUS1H104ZF	CAP , CHIP	0.1UF	
C832	HCUS1H102KC	CAP , CHIP	0.001UF	
C833	HCUS1H102KC	CAP , CHIP	0.001UF	
C834	HCUS1H681JA	CAP , CHIP	680PF	
C835	HCUS1H681JA	CAP , CHIP	680PF	
C837	HCUS1H221JA	CAP , CHIP	220PF	
C838	HCUS1H104ZF	CAP , CHIP	0.1UF	
C839	HCUS1H104ZF	CAP , CHIP	0.1UF	
C843	HCUS1H104ZF	CAP , CHIP	0.1UF	
C844	HCUS1H104ZF	CAP , CHIP	0.1UF	
C845	HCUS1H150JA	CAP , CHIP	15PF	
C846	HCUS1H151JA	CAP , CHIP	150PF	
C847	HCUS1H151JA	CAP , CHIP	150PF	
C848	HCUS1H150JA	CAP , CHIP	15PF	
C849	HCUS1H104ZF	CAP , CHIP	0.1UF	
C850	HCUS1H151JA	CAP , CHIP	150PF	
C851	HCUS1H151JA	CAP , CHIP	150PF	
C853	HCUS1H104ZF	CAP , CHIP	0.1UF	
C854	HCUS1H471JA	CAP , CHIP	470PF	
C855	HCUS1H152KC	CAP , CHIP	1500PF	
C856	HCUS1H150JA	CAP , CHIP	15PF	
C857	HCUS1H103KC	CAP , CHIP	0.01UF	
C859	HCUS1H103KC	CAP , CHIP	0.01UF	
C860	HCUS1H151JA	CAP , CHIP	150PF	
C861	HCUS1H104ZF	CAP , CHIP	0.1UF	
C863	HCUS1H151JA	CAP , CHIP	150PF	
C864	HCUS1H152KC	CAP , CHIP	1500PF	
C865	HCUS1H103KC	CAP , CHIP	0.01UF	
C866	HCUS1H103KC	CAP , CHIP	0.01UF	
C867	HCUS1H103KC	CAP , CHIP	0.01UF	
C868	HCUS1H103KC	CAP , CHIP	0.01UF	
C869	HCUS1H104ZF	CAP , CHIP	0.1UF	
C870	HCUS1H104ZF	CAP , CHIP	0.1UF	
C871	HCUS1H104ZF	CAP , CHIP	0.1UF	
C872	HCUS1H104ZF	CAP , CHIP	0.1UF	
C873	HCUS1H104ZF	CAP , CHIP	0.1UF	
C874	HCUS1H104ZF	CAP , CHIP	0.1UF	
C875	HCUS1H560JA	CAP , CHIP	56PF	
C877	HCUS1H104ZF	CAP , CHIP	0.1UF	
C878	HCUS1H104ZF	CAP , CHIP	0.1UF	
C879	HCUS1H104ZF	CAP , CHIP	0.1UF	
C880	HCUS1H104ZF	CAP , CHIP	0.1UF	
C882	HCUS1H104ZF	CAP , CHIP	0.1UF	
C885	HCUS1H681JA	CAP , CHIP	680PF	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
C886	HCUS1H104ZF	CAP , CHIP	0.1UF	
C887	HCUS1H104ZF	CAP , CHIP	0.1UF	
C888	HCUS1H150JA	CAP , CHIP	15PF	
C889	HCUS1E333KC	CAP , CHIP	0.033UF	
C890	HCUS1H151JA	CAP , CHIP	150PF	
C891	HCUS1E333KC	CAP , CHIP	0.033UF	
C892	HCUS1H104ZF	CAP , CHIP	0.1UF	
C893	HCUS1H102KC	CAP , CHIP	0.001UF	
C894	HCUS1H102KC	CAP , CHIP	0.001UF	
C897	HCUS1H681JA	CAP , CHIP	680PF	
C898	HCUS1H222KC	CAP , CHIP	2200PF	
C899	HCUS1H104ZF	CAP , CHIP	0.1UF	
C901	HCUS1H102KC	CAP , CHIP	0.001UF	
D001	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D701	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D705	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D706	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D707	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D708	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D713	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D714	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D715	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D720	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D721	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D722	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D723	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D727	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
D728	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11	
IC71	HVINJM2580MTE1	I.C , TRIPLE VIDEO AMPLIFIER	NJM2580MDTE	
IC72	HVINJM2580MTE1	I.C , TRIPLE VIDEO AMPLIFIER	NJM2580MDTE	
IC74	KVIBA7653AF	I.C , VIDEO SIGNAL SWITCHER	BA7653AF	
IC75	KVIBA7607F	I.C , VIDEO SIGNAL SWITCHER	BA7607F	
IC76	BVIMSP3417GQGB8	IC MPX (GERMAN A2 ONLY) QFP	MSP3407G-QG-B8	
IC77	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	
IC80	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	
IC81	HVI74VHC04MX	I.C , INVERTER	74VHC04M	
IC82	BVISDA5650XS020	I.C , VPS/PDC (SMD)	SDA5650X-SOIC20	
IC83	HVIWM8776EFT/R	I.C , STEREO CODEC	WM8776EFT/R	
L001	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L701	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L702	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L703	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L704	HLQ09E1R0KRZ	CHIP , COIL	FI-C3216-102	
L705	HLQ09E1R0KRZ	CHIP , COIL	FI-C3216-102	
L706	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L707	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L708	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L709	HLQ09E1R0KRZ	CHIP , COIL	FI-C3216-102	
L710	HLQ09E1R0KRZ	CHIP , COIL	FI-C3216-102	
L711	HLQ09E1R0KRZ	CHIP , COIL	FI-C3216-102	
L721	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L722	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L724	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L725	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L726	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
L727	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L728	HLZ91002Z	CHIP FERRITE BEAD	HU-1H3216-121	
L751	HLQ09E1R0KRZ	CHIP , COIL	FI-C3216-102	
L752	HLQ09E1R0KRZ	CHIP , COIL	FI-C3216-102	
L753	CRJ14CJ0R0T	RES , CHIP	0	
Q701	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	
Q702	CRJ10DJ0R0T	RES , CHIP	0	
Q703	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	
Q704	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	
Q705	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	
Q710	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	
Q711	HVTKTD1304T	T.R , CHIP	KTD1304	
Q712	HVTKTD1304T	T.R , CHIP	KTD1304	
Q713	HVTKTD1304T	T.R , CHIP	KTD1304	
Q714	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	
Q715	HVTKRC102S	T.R , CHIP	KRC102S	
Q716	HVTKRA102S	T.R , CHIP	KRA102S	
Q717	HVTKTD1304T	T.R , CHIP	KTD1304	
Q718	HVTKTD1304T	T.R , CHIP	KTD1304	
Q719	HVTKTK5133S	FET , N-MOS	KTK5133S	
Q720	HVTKTK5133S	FET , N-MOS	KTK5133S	
Q721	HVTKRC102S	T.R , CHIP	KRC102S	
Q722	HVTKRC102S	T.R , CHIP	KRC102S	
Q723	HVTKRA102S	T.R , CHIP	KRA102S	
Q724	HVTKRA102S	T.R , CHIP	KRA102S	
Q725	HVTKRC102S	T.R , CHIP	KRC102S	
Q726	HVTKRA102S	T.R , CHIP	KRA102S	
Q727	HVTKTK5133S	FET , N-MOS	KTK5133S	
Q803	HVTKRC102S	T.R , CHIP	KRC102S	
Q804	HVTKRC102S	T.R , CHIP	KRC102S	
Q805	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	
R001	CRJ10DJ271T	RES , CHIP	270	
R002	CRJ10DJ271T	RES , CHIP	270	
R003	CRJ10DJ271T	RES , CHIP	270	
R004	CRJ10DJ271T	RES , CHIP	270	
R005	CRJ10DJ271T	RES , CHIP	270	
R006	CRJ10DJ271T	RES , CHIP	270	
R007	CRJ10DJ271T	RES , CHIP	270	
R010	CRJ10DJ273T	RES , CHIP	27 K	
R012	CRJ10DJ0R0T	RES , CHIP	0	
R013	CRJ10DJ0R0T	RES , CHIP	0	
R014	CRJ10DJ0R0T	RES , CHIP	0	
R703	HLZ9Z018Z	CHIP , BEAD	HB-1M1608-601JT	
R704	CRJ10DJ560T	RES , CHIP	56	
R706	CRJ10DJ104T	RES , CHIP	100 K	
R707	CRJ10DJ104T	RES , CHIP	100 K	
R708	CRJ10DJ104T	RES , CHIP	100 K	
R709	CRJ10DJ821T	RES , CHIP	820	
R710	CRJ10DJ104T	RES , CHIP	100 K	
R711	CRJ10DJ101T	RES , CHIP	100	
R713	CRJ10DJ104T	RES , CHIP	100 K	
R714	CRJ10DJ181T	RES , CHIP	180	
R715	CRJ10DJ181T	RES , CHIP	180	
R716	CRJ10DJ181T	RES , CHIP	180	
R717	CRJ10DJ101T	RES , CHIP	100	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
R718	CRJ10DJ101T	RES , CHIP	100	
R719	CRJ10DF75R0T	RES , CHIP	75	
R720	CRJ10DF75R0T	RES , CHIP	75	
R721	CRJ10DJ680T	RES , CHIP	68	
R722	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R723	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R724	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R725	CRJ10DJ301T	RES , CHIP	300	
R726	CRJ10DF75R0T	RES , CHIP	75	
R727	CRJ10DJ100T	RES , CHIP	10	
R728	CRJ10DJ100T	RES , CHIP	10	
R729	CRJ10DJ820T	RES , CHIP	82	
R730	CRJ10DJ820T	RES , CHIP	82	
R731	CRJ10DJ0R0T	RES , CHIP	0	
R732	CRJ10DJ0R0T	RES , CHIP	0	
R733	CRJ10DJ0R0T	RES , CHIP	0	
R734	CRJ10DJ680T	RES , CHIP	68	
R735	CRJ10DF75R0T	RES , CHIP	75	
R736	CRJ10DJ0R0T	RES , CHIP	0	
R737	CRJ10DJ0R0T	RES , CHIP	0	
R738	CRJ10DJ0R0T	RES , CHIP	0	
R739	CRJ10DJ0R0T	RES , CHIP	0	
R740	CRJ10DJ680T	RES , CHIP	68	
R741	CRJ10DJ330T	RES , CHIP	33	
R742	CRJ10DJ0R0T	RES , CHIP	0	
R744	CRJ10DJ330T	RES , CHIP	33	
R745	CRJ10DJ473T	RES , CHIP	47 K	
R746	CRJ10DJ473T	RES , CHIP	47 K	
R747	CRJ10DJ0R0T	RES , CHIP	0	
R748	CRJ10DJ102T	RES , CHIP	1 K	
R749	CRJ10DJ102T	RES , CHIP	1 K	
R751	CRJ10DF75R0T	RES , CHIP	75	
R752	CRJ10DJ270T	RES , CHIP	27	
R753	CRJ10DF75R0T	RES , CHIP	75	
R754	CRJ10DF75R0T	RES , CHIP	75	
R755	CRJ10DJ680T	RES , CHIP	68	
R757	CRJ10DJ101T	RES , CHIP	100	
R758	CRJ10DJ104T	RES , CHIP	100 K	
R759	CRJ10DJ752T	RES , CHIP	7.2 K	
R760	CRJ10DJ472T	RES , CHIP	4.7K	
R761	CRJ10DJ100T	RES , CHIP	10	
R762	CRJ10DJ100T	RES , CHIP	10	
R763	CRJ10DJ472T	RES , CHIP	4.7K	
R764	CRJ10DJ472T	RES , CHIP	4.7K	
R765	CRJ10DJ103T	RES , CHIP	10 K	
R767	CRJ10DJ103T	RES , CHIP	10 K	
R768	CRJ10DJ103T	RES , CHIP	10 K	
R769	CRJ10DJ103T	RES , CHIP	10 K	
R771	CRJ10DJ472T	RES , CHIP	4.7K	
R772	CRJ10DJ472T	RES , CHIP	4.7K	
R774	CRJ10DF43R0T	RES , CHIP	43	
R775	CRJ10DJ472T	RES , CHIP	4.7K	
R776	CRJ10DJ472T	RES , CHIP	4.7K	
R777	CRJ10DJ182T	RES , CHIP	1.8 K	
R778	CRJ10DJ472T	RES , CHIP	4.7K	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
R779	CRJ10DJ472T	RES , CHIP	4.7K	
R780	CRJ10DJ103T	RES , CHIP	10 K	
R781	CRJ10DJ472T	RES , CHIP	4.7K	
R782	CRJ10DJ0R0T	RES , CHIP	0	
R783	CRJ10DJ102T	RES , CHIP	1 K	
R784	CRJ10DJ474T	RES , CHIP	470 K	
R785	CRJ10DJ103T	RES , CHIP	10 K	
R786	CRJ10DJ104T	RES , CHIP	100 K	
R787	CRJ10DJ104T	RES , CHIP	100 K	
R788	CRJ10DJ222T	RES , CHIP	2.2 K	
R789	CRJ10DJ222T	RES , CHIP	2.2 K	
R790	CRJ10DJ104T	RES , CHIP	100 K	
R791	CRJ10DJ104T	RES , CHIP	100 K	
R792	CRJ10DJ101T	RES , CHIP	100	
R793	CRJ10DJ100T	RES , CHIP	10	
R795	CRJ10DJ102T	RES , CHIP	1 K	
R796	CRJ10DJ102T	RES , CHIP	1 K	
R797	CRJ10DJ101T	RES , CHIP	100	
R798	CRJ10DJ0R0T	RES , CHIP	0	
R799	CRJ10DJ0R0T	RES , CHIP	0	
R801	CRJ10DJ752T	RES , CHIP	7.2 K	
R802	CRJ10DJ472T	RES , CHIP	4.7K	
R803	CRJ10DJ472T	RES , CHIP	4.7K	
R806	CRJ10DJ104T	RES , CHIP	100 K	
R807	CRJ10DJ472T	RES , CHIP	4.7K	
R808	CRJ10DJ681T	RES , CHIP	680	
R809	CRJ10DJ222T	RES , CHIP	2.2 K	
R810	CRJ10DJ752T	RES , CHIP	7.2 K	
R812	CRJ10DJ681T	RES , CHIP	680	
R813	CRJ10DJ222T	RES , CHIP	2.2 K	
R814	CRJ10DJ182T	RES , CHIP	1.8 K	
R815	CRJ10DJ223T	RES , CHIP	22 K	
R816	CRJ10DJ103T	RES , CHIP	10 K	
R817	CRJ10DJ104T	RES , CHIP	100 K	
R818	CRJ10DJ102T	RES , CHIP	1 K	
R819	CRJ10DJ223T	RES , CHIP	22 K	
R820	CRJ10DJ223T	RES , CHIP	22 K	
R822	CRJ10DJ103T	RES , CHIP	10 K	
R823	CRJ10DJ330T	RES , CHIP	33	
R824	CRJ10DJ101T	RES , CHIP	100	
R829	CRJ10DJ102T	RES , CHIP	1 K	
R830	CRJ10DJ750T	RES , CHIP	75	
R831	CRJ10DJ181T	RES , CHIP	180	
R832	CRJ10DJ821T	RES , CHIP	820	
R833	CRJ10DJ910T	RES , CHIP	91	
R834	CRJ10DJ153T	RES , CHIP	15 K	
R835	CRJ10DJ122T	RES , CHIP	1.2 K	
R836	CRJ10DJ102T	RES , CHIP	1 K	
R837	CRJ10DJ102T	RES , CHIP	1 K	
R838	CRJ10DJ104T	RES , CHIP	100 K	
R839	CRJ10DJ221T	RES , CHIP	220	
R840	CRJ10DJ183T	RES , CHIP	18 K	
R841	CRJ10DJ753T	RES , CHIP	75 K	
R842	CRJ10DJ393T	RES , CHIP	39 K	
R843	CRJ10DJ101T	RES , CHIP	100	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
R844	CRJ10DJ101T	RES , CHIP	100	
R845	CRJ10DJ104T	RES , CHIP	100 K	
R846	CRJ10DJ0R0T	RES , CHIP	0	
R847	CRJ10DJ474T	RES , CHIP	470 K	
R848	CRJ10DJ330T	RES , CHIP	33	
R850	CRJ10DJ101T	RES , CHIP	100	
R851	CRJ10DJ104T	RES , CHIP	100 K	
R852	CRJ10DJ104T	RES , CHIP	100 K	
R853	CRJ10DJ0R0T	RES , CHIP	0	
R854	CRJ10DJ222T	RES , CHIP	2.2 K	
R856	CRJ10DJ182T	RES , CHIP	1.8 K	
R857	CRJ10DJ182T	RES , CHIP	1.8 K	
R858	CRJ10DJ752T	RES , CHIP	7.2 K	
R859	CRJ10DJ331T	RES , CHIP	330	
R860	CRJ10DJ222T	RES , CHIP	2.2 K	
R861	CRJ10DJ472T	RES , CHIP	4.7K	
R862	CRJ10DJ472T	RES , CHIP	4.7K	
R863	CRJ10DJ472T	RES , CHIP	4.7K	
R864	CRJ10DJ681T	RES , CHIP	680	
R865	CRJ10DJ681T	RES , CHIP	680	
R866	CRJ10DJ182T	RES , CHIP	1.8 K	
R867	CRJ10DJ103T	RES , CHIP	10 K	
R868	CRJ10DJ103T	RES , CHIP	10 K	
R869	CRJ10DJ103T	RES , CHIP	10 K	
R871	CRJ10DJ0R0T	RES , CHIP	0	
R872	CRJ10DJ913T	RES , CHIP	91K	
R875	CRJ10DJ223T	RES , CHIP	22 K	
R876	CRJ10DJ223T	RES , CHIP	22 K	
R877	CRJ10DJ222T	RES , CHIP	2.2 K	
R878	CRJ10DF75R0T	RES , CHIP	75	
R879	CRJ10DF75R0T	RES , CHIP	75	
R880	CRJ10DJ105T	RES , CHIP	1 M	
R882	CRJ10DJ100T	RES , CHIP	10	
R883	CRJ10DJ333T	RES , CHIP	33 K	
R884	CRJ10DJ104T	RES , CHIP	100 K	
R885	CRJ10DJ125T	RES , CHIP	1.2 M	
R886	CRJ10DJ682T	RES , CHIP	6.8 K	
R887	CRJ10DJ682T	RES , CHIP	6.8 K	
R888	CRJ10DJ0R0T	RES , CHIP	0	
R889	CRJ10DJ125T	RES , CHIP	1.2 M	
R891	CRJ10DJ101T	RES , CHIP	100	
R892	CRJ10DJ512T	RES , CHIP	5.1 K	
R893	CRJ10DJ122T	RES , CHIP	1.2 K	
R894	CRJ10DJ512T	RES , CHIP	5.1 K	
R895	CRJ10DJ101T	RES , CHIP	100	
R896	CRJ10DJ103T	RES , CHIP	10 K	
R897	CRJ10DJ103T	RES , CHIP	10 K	
R898	CRJ10DJ103T	RES , CHIP	10 K	
R899	CRJ10DJ103T	RES , CHIP	10 K	
R901	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R902	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R903	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R904	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R905	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R906	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
R907	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R908	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R909	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R910	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R911	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R912	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R913	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
R914	HLZ9Z063Z	CHIP FERRITE BEAD	HB-1M1608-121	
C001	CCEA1HHR22T	CAP , ELECT	0.22UF/50V	
C003	CCEA1HH470T	CAP , ELECT	47UF/50V	
C004	CCEA1HH1R0T	CAP , ELECT	1UF/50V	
C009	CCEA1HH1R0T	CAP , ELECT	1UF/50V	
C010	CCEA1HH220T	CAP , ELECT	22UF/50V	
C011	CCEA1HH1R0T	CAP , ELECT	1UF/50V	
C013	CCEA1HH4R7T	CAP , ELECT	4.7UF/50V	
C701	CCEA1CH100T	CAP , ELECT	10UF/16V	
C706	CCEA1CH100T	CAP , ELECT	10UF/16V	
C708	CCEA1EH470T	CAP , ELECT	47UF/25V	
C710	CCEA1CH101T	CAP , ELECT	100UF/16V	
C711	CCEA1CH101T	CAP , ELECT	100UF/16V	
C712	CCEA1CH101T	CAP , ELECT	100UF/16V	
C718	CCEA1CH100T	CAP , ELECT	10UF/16V	
C720	CCEA1CH101T	CAP , ELECT	100UF/16V	
C721	CCEA1HH470T	CAP , ELECT	47UF/50V	
C725	CCEA1HH470T	CAP , ELECT	47UF/50V	
C728	CCEA1CH101T	CAP , ELECT	100UF/16V	
C729	CCEA1CH101T	CAP , ELECT	100UF/16V	
C736	CCEA1CH101T	CAP , ELECT	100UF/16V	
C737	CCEA1CH101T	CAP , ELECT	100UF/16V	
C744	CCEA1CH101T	CAP , ELECT	100UF/16V	
C746	CCEA1CH101T	CAP , ELECT	100UF/16V	
C747	CCEA1CH100T	CAP , ELECT	10UF/16V	
C748	CCEA1CH100T	CAP , ELECT	10UF/16V	
C749	CCEA1CH470T	CAP , ELECT	47UF/16V	
C758	CCEA1HHR47T	CAP , ELECT	0.47UF/50V	
C759	CCEA1EH470T	CAP , ELECT	47UF/25V	
C760	CCEA1EH470T	CAP , ELECT	47UF/25V	
C761	CCEA1HHR47T	CAP , ELECT	0.47UF/50V	
C762	CCEA1HH3R3T	CAP , ELECT	3.3UF/50V	
C764	CCEA1HHR47T	CAP , ELECT	0.47UF/50V	
C765	CCEA1HH100T	CAP , ELECT	10UF/50V	
C767	CCEA1CH100T	CAP , ELECT	10UF/16V	
C768	CCEA1CH100T	CAP , ELECT	10UF/16V	
C772	CCEA1CH100T	CAP , ELECT	10UF/16V	
C773	CCEA1CH100T	CAP , ELECT	10UF/16V	
C774	CCEA1CH100T	CAP , ELECT	10UF/16V	
C775	CCEA1CH101T	CAP , ELECT	100UF/16V	
C779	CCEA1HH470T	CAP , ELECT	47UF/50V	
C780	CCEA1HH100T	CAP , ELECT	10UF/50V	
C781	CCEA1CH100T	CAP , ELECT	10UF/16V	
C783	CCEA1HH470T	CAP , ELECT	47UF/50V	
C787	CCEA1CH470T	CAP , ELECT	47UF/16V	
C788	CCEA1CH470T	CAP , ELECT	47UF/16V	
C789	CCEA1CH470T	CAP , ELECT	47UF/16V	
C790	CCEA1CH470T	CAP , ELECT	47UF/16V	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
C791	CCEA1CH470T	CAP , ELECT	47UF/16V	
C792	CCEA1CH470T	CAP , ELECT	47UF/16V	
C796	CCEA1CH101T	CAP , ELECT	100UF/16V	
C797	CCEA1CH101T	CAP , ELECT	100UF/16V	
C801	CCEA1CH470T	CAP , ELECT	47UF/16V	
C802	CCEA1CH100T	CAP , ELECT	10UF/16V	
C803	CCEA1CH470T	CAP , ELECT	47UF/16V	
C804	CCEA1CH470T	CAP , ELECT	47UF/16V	
C807	CCEA1CH470T	CAP , ELECT	47UF/16V	
C808	CCEA1CH470T	CAP , ELECT	47UF/16V	
C809	CCEA1CH100T	CAP , ELECT	10UF/16V	
C811	CCEA1CH100T	CAP , ELECT	10UF/16V	
C813	CCEA1CH100T	CAP , ELECT	10UF/16V	
C822	CCEA1CH101T	CAP , ELECT	100UF/16V	
C824	CCEA1CH100T	CAP , ELECT	10UF/16V	
C825	CCEA1CH100T	CAP , ELECT	10UF/16V	
C826	CCEA1CH100T	CAP , ELECT	10UF/16V	
C827	CCEA1CH100T	CAP , ELECT	10UF/16V	
C828	CCEA1CH100T	CAP , ELECT	10UF/16V	
C829	CCEA1CH100T	CAP , ELECT	10UF/16V	
C830	CCEA1CH100T	CAP , ELECT	10UF/16V	
C831	CCEA1CH100T	CAP , ELECT	10UF/16V	
C836	CCEA1CH470T	CAP , ELECT	47UF/16V	
C840	CCEA1CH221T	CAP , ELECT	220UF/16V	
C841	CCEA1CH221T	CAP , ELECT	220UF/16V	
C842	CCEA1CH470T	CAP , ELECT	47UF/16V	
C852	CCEA1CH470T	CAP , ELECT	47UF/16V	
C858	CCEA1CH470T	CAP , ELECT	47UF/16V	
C862	CCEA1CH100T	CAP , ELECT	10UF/16V	
C881	CCEA1CH100T	CAP , ELECT	10UF/16V	
C883	CCEA1CH100T	CAP , ELECT	10UF/16V	
Q706	HVTKTD1302T	T.R	KTD1302	
BN70	KJP50GB142ZP	PIN HEADER	2110-DR50	
BN74	CWB1C010180EN	WIRE ASS'Y		
CN71	CJP09GA19ZY	WAFER , STRAIGHT, 9PIN	00906-0030	
CN72	KJP23GA117ZG	WAFER , CARD CABLE	GF102-23S-TS	
CN73	CJP05GA19ZY	WAFER , STRAIGHT, 5PIN		
CN74	KJP23GA117ZG	WAFER , CARD CABLE	GF102-23S-TS	
IC73	BVIMM1021XS	IC , SYNC DETECTOR		
IC78	HVIKA7808A	I.C	KA7808-ABTU	
IC79	HVIKA7908A	I.C	KA7908-ABTU	
JK01	CJJ4R043Z	JACK , BOARD		
JK73	CJJ9N003Z	JACK , (S-VIDEO+VHS)		
JK74	HJSTOTX179L	MODULE , OPTICAL(TX)	TOTX179L	
JK84	KJP42GA112ZM	SCART CONNECTOR		
L760	KLZ9H001Z	BEAD		
TU01	HPTMI-5MH02A	NEW TUNER , PAL (PARTS NIC)	PTMI-5MH02A	
US90	KMC1A111	PLATE , EARTH		
X701	HOX18432A120C	OSCILLATER CRYSTAL,CERAMI	18.432MHZ	
X702	BSB500E5	CERAMIC RESONATOR		

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
	COP11758B	SMPS ASS'Y		
	CIP11758B	SMPS AUTO ASS'Y		
	CUP11758	PCB , SMPS		
C616	CCKT3A222KBL	CAP , CERAMIC	EKR3A222K05FK5	
C617	CCEA1HH220TS	CAP , ELECT	22UF/50V//105'C	
C618	CCEA1HH220TS	CAP , ELECT	22UF/50V//105'C	
C619	CCEA1HH220TS	CAP , ELECT	22UF/50V//105'C	
C620	CCKT3A222KBL	CAP , CERAMIC	EKR3A222K05FK5	
C621	CCEA1EH101TS	CAP , ELECT	100UF/25V//105'C	
C622	CCEA1EH101TS	CAP , ELECT	100UF/25V//105'C	
C623	CCEA1AH471TS	CAP , ELECT	470UF/10V//105'C	
C624	CCEA1HH470TS	CAP , ELECT	47UF/50V//105'C	
C625	CCEA1EH101TS	CAP , ELECT	100UF/25V//105'C	
C626	CCEA1HH470TS	CAP , ELECT	47UF/50V//105'C	
C627	CCEA1HH470TS	CAP , ELECT	47UF/50V//105'C	
C628	CCEA1AH471TS	CAP , ELECT	470UF/10V//105'C	
C632	CCEA1HH470TS	CAP , ELECT	47UF/50V//105'C	
C633	CCEA1HH470TS	CAP , ELECT	47UF/50V//105'C	
C634	CCEA1HH220TS	CAP , ELECT	22UF/50V//105'C	
C635	CCEA1HH100T	CAP , ELECT	10UF/50V	
C639	CCUMT1H104KB	CAP , MONO	50V 104 K	
C640	CCUMT1H104KB	CAP , MONO	50V 104 K	
C641	CCUMT1H104KB	CAP , MONO	50V 104 K	
C645	CCUMT1H104KB	CAP , MONO	50V 104 K	
C650	CCKT3A101KBL	CAP , CERAMIC	EKR3A101K05FK5	
F601	KBA2D2000TLET	FUSE , 250V/2A		
IC65	HVKA79L12AZT	REGULATOR, -12V	KA79LXXAZTA	
IC66	HVKA78L12AZT	REGULATOR, +12V	KA78LXXAZTA	
IC67	HVIA431BAT	I.C , REGULATOR	KIA431B	
IC68	HVIA431BAT	I.C , REGULATOR	KIA431B	
J601	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J602	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J603	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J604	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J605	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J606	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J607	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J608	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J609	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J610	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J611	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J612	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J613	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J614	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
J615	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	
L602	CLZ9Z040Z	COIL , CHOKE(6.8UH)	DR 6.5*7.5	
Q601	HVTKRC102MT	T.R	KRC102M	
Q602	HVTKSA708YT	T.R	KSA708Y	
R602	CRD20TJ240T	RES , CARBON	24	
R610	CRD20TJ102T	RES , CARBON	1 K	
R612	CRD20TJ101T	RES , CARBON	100	
R613	CRD20TJ103T	RES , CARBON	10 K	
R614	CRD20TJ103T	RES , CARBON	10 K	
R615	CRD20TJ240T	RES , CARBON	24	
R616	CRD20TJ103T	RES , CARBON	10 K	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
R617	CRD20TJ331T	RES , CARBON	330	
R618	CRD20TJ101T	RES , CARBON	100	
R619	CRD20TJ102T	RES , CARBON	1 K	
R620	CRD20TJ102T	RES , CARBON	1 K	
R621	CRD20TF3001T	RES , CARBON	3 K	
R622	CRD20TF1001T	RES , CARBON	1 K	
R624	CRD20TJ331T	RES , CARBON	330	
R625	CRD20TJ101T	RES , CARBON	100	
R626	CRD20TJ102T	RES , CARBON	1 K	
R627	CRD20TJ102T	RES , CARBON	1 K	
R628	CRD20TF3001T	RES , CARBON	3 K	
R629	CRD20TF3301T	RES , CARBON	3.3 K	
R630	CRD20TJ102T	RES , CARBON	1 K	
TH61	KRT10D9MSFT	THERMISTER	10D-9	
ZD61	HVDMTZJ12BT	DIODE , ZENER		
ZD63	HVDMTZJ20BT	DIODE , ZENER		
ZD64	HVDMTZJ5.6BT	DIODE , ZENER		
BN11	CWB1C013280EN	WIRE ASS'Y		
BN63	CWZADR5800BN63	WIRE ASS'Y		
CN61	KJP02KA060ZY	WAFER		
C601	HCQF2E104KZE	CAP , POLYPROPYLENE FILM		
C602	HCQF2E104KZE	CAP , POLYPROPYLENE FILM		
C603	CCKDHS102ME	CAP , CERAMIC (400V Y-CAP)	SDE2G102M10FF7	
C604	CCKDHS102ME	CAP , CERAMIC (400V Y-CAP)	SDE2G102M10FF7	
C606	CCET400VHE470EH	ELECT , CAP		
C607	CCKDHS222ME	CAP , CERAMIC (400V Y-CAP)	SDE2G222M10FF7	
C629	CCEA1VH471ES	ELECT , CAP	35V/470UF/105'C	
C630	CCEA1ARD152EHS	ELECT , CAP	10V/1500UF/105'	
C631	CCEA1ARD152EHS	ELECT , CAP	10V/1500UF/105'	
D605	HVD1N4007T	DIODE	1N4007T	
D606	HVD1N4937T	DIODE	1N4937(600V/1A)	
D608	HVD1N4007T	DIODE	1N4007T	
D609	HVD1N4007T	DIODE	1N4007T	
D610	HVD1N4007T	DIODE	1N4007T	
D611	HVD1N4937T	DIODE	1N4937(600V/1A)	
D612	HVD1N4007T	DIODE	1N4007T	
D613	HVD1N4937T	DIODE	1N4937(600V/1A)	
D614	HVD1N4937T	DIODE	1N4937(600V/1A)	
D621	HVD20NFA40FC5	DIODE , F-R (400V/2A)	20NFA40	
D624	HVD31DQ10FC5	DIODE , SCHOTTKY (100V/3A)	31DQ10	
D625	HVD1N4937T	DIODE	1N4937(600V/1A)	
D626	HVD1N4937T	DIODE	1N4937(600V/1A)	
D627	HVD31DQ10FC5	DIODE , SCHOTTKY (100V/3A)	31DQ10	
D628	HVD31DQ10FC5	DIODE , SCHOTTKY (100V/3A)	31DQ10	
D629	HVDUF4004T	DIODE , SCHOTTKY	UF4004	
D630	HVD1N4937T	DIODE	1N4937(600V/1A)	
D632	HVD1N4937T	DIODE	1N4937(600V/1A)	
IC61	CVIMC7812CKA	HEAT SINK ASS'Y	MC7812C	
	CMY1A223	HEAT SINK		
	CTB3+8J	SCREW		
	HVIMC7812C	I.C,REGULATOR	KA7812-ABTU	
	K8AYG6260	COMPOUND , SILICONE		
IC62	CVIKA5M0365RKA	HEAT SINK ASS'Y	KA5M0365R	
	CMY1A223	HEAT SINK		
	CTB3+8J	SCREW		

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
IC63	K8AYG6260	COMPOUND , SILICONE		
IC64	HVIVIPER12ADIP	I.C , VIPER	VIPER12A	
	CVIKIA278R05PKA	HEAT SINK ASS'Y	KIA278R05PKA	
	CMY1A223	HEAT SINK		
	CTB3+8J	SCREW		
	HVIKIA278R05PI	REGULATOR (5V OUTPUT LOW DROP	KIA278R05PI	
	K8AYG6260	COMPOUND , SILICONE		
LF61	CLZ9Z057Z	LINE FILTER		
L601	CLZ9Z058Z	COIL , CHOKE		
PT61	HVIPC17L1CB	I.C , PHOTO COUPLER	PC-17L1CB	
PT62	HVIPC17L1CB	I.C , PHOTO COUPLER	PC-17L1CB	
PT63	HVIPC17L1CB	I.C , PHOTO COUPLER	PC-17L1CB	
R601	CRG12ANJ474H	RESISTOR C.F		
R609	CRG2ANJ473R	RESISTOR MO		
R611	CRG2ANJ473R	RESISTOR MO		
R623	KRG2SANJ332T	RES , METAL OXIDE FILM 2W	SMALL TYPE 332	
T601	CLT9Z010ZE	TRANSFORMER	EE1625	
T602	CLT9Z011ZE	TRANSFORMER	EER2828	

SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
	COP11770B	BOTTOM PCB ASS'Y		
	CUP11770	PCB , BOTTOM		
BN94	CWB1B905080EN	WIRE ASS'Y		
BN95	CWB1D902160EN	WIRE ASS'Y		
CN32	CJP26GA147ZW	26 DUAL WAFER	26P DUAL WAFER	
CN33	CJP24GA147ZW	24 DUAL WAFER	24P DAUL WAFER	
CN70	KJP50GB143ZP	DIP SOCKET	3011-DR50	
CN73	CJP05GA19ZY	WAFER, STRAIGHT, 5PIN		
CN82	CJP07GA19ZY	WAFER, STRAIGHT, 7PIN		
CN83	CJP07GA19ZY	WAFER, STRAIGHT, 7PIN		

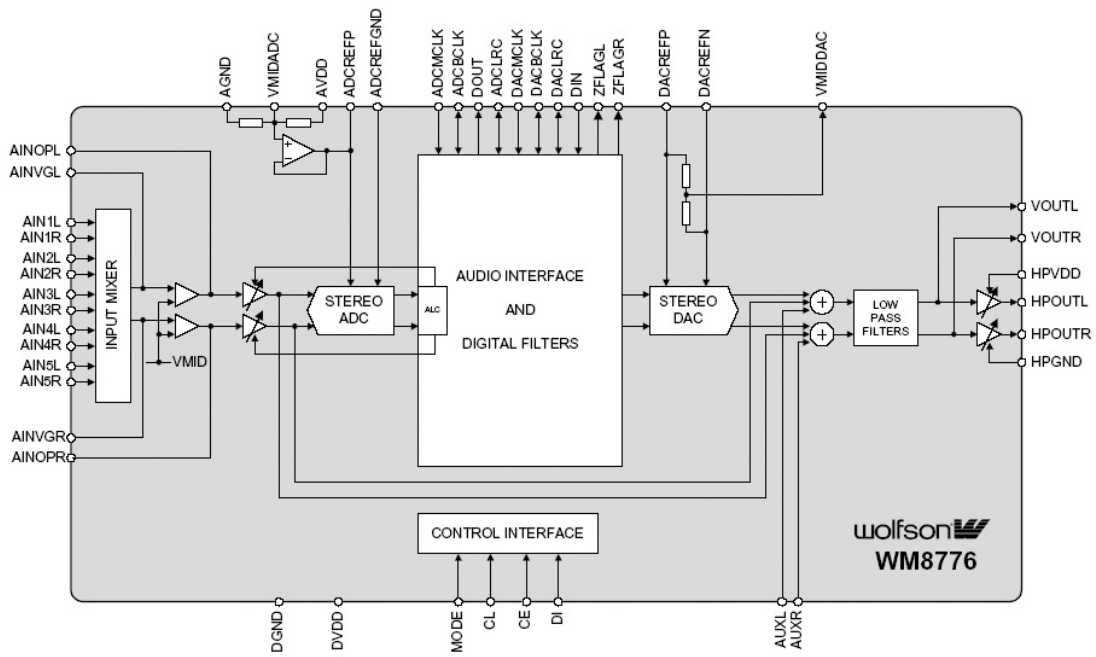
SEQ.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		BOTTOM CHASSIS ASS'Y		
	CWC1B4A23A120A	CABLE , CARD		
	CWZHTS3000BN12	CABLE , ATAPI (FLATE , 40P)		
	HJDQRW7500	DVD RW MECHANISM		
	CJA2S043ZA	CORD , POWER (EUR)		
	CJA2E045ZA	CORD , POWER (UK)		
	CWZADR5801BN32	DUAL WIRE ASS'Y		
	CWZADR5801BN33	DUAL WIRE ASS'Y		

IC INTERNAL DIAGRAMS

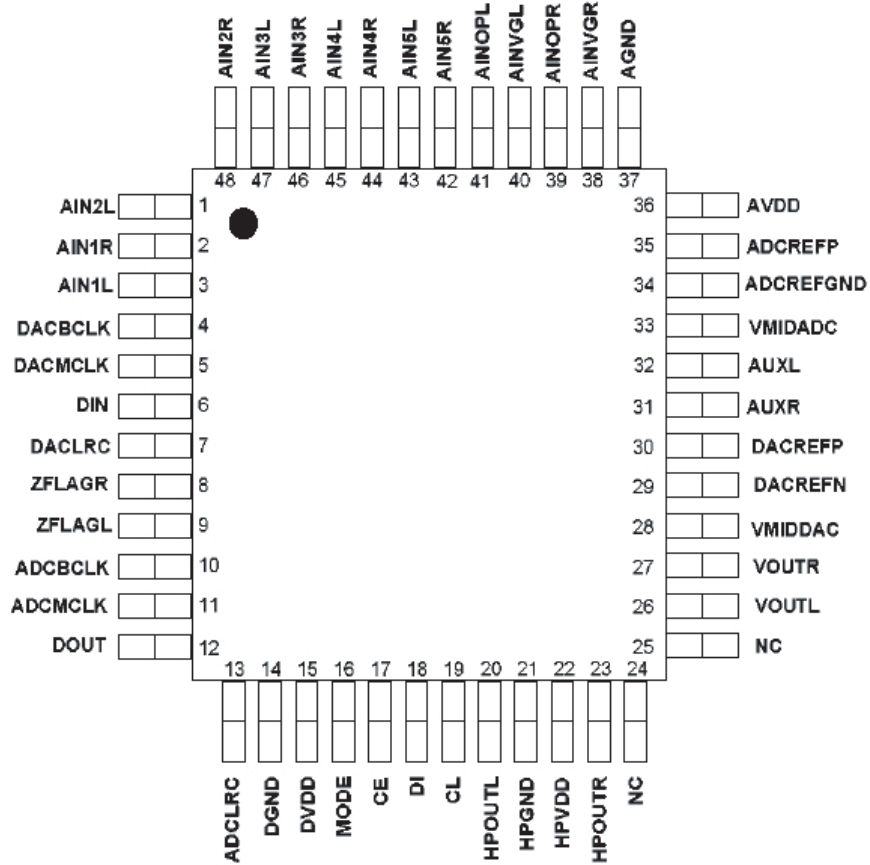
I.C PIN DESCRIPTIONS (AUDIO CODEC : WM8776) : IC83

PIN	NAME	TYPE	DESCRIPTION
1	AIN2L	Analogue Input	Channel 2 left input multiplexor virtual ground
2	AIN1R	Analogue Input	Channel 1 right input multiplexor virtual ground
3	AIN1L	Analogue Input	Channel 1 left input multiplexor virtual ground
4	DACBCLK	Digital input/output	DAC audio interface bit clock
5	DACMCLK	Digital Input	Master DAC clock; 256, 384, 512 or 768fs (fs=word clock frequency)
6	DIN	Digital Input	DAC data input
7	DACLRC	Digital input/output	DAC left/right word clock
8	ZFLAGR	Open Drain output	DAC Right Zero Flag output (external pull-up resistor required)
9	ZFLAGL	Open Drain output	DAC Left Zero Flag output (external pull-up resistor required)
10	ADCBCLK	Digital input/output	ADC audio interface bit clock
11	ADCMCLK	Digital Input	ADC audio interface master clock
12	DOUT	Digital output	ADC data output
13	ADCLRC	Digital input/output	ADC left/right word clock
14	DGND	Supply	Digital negative supply
15	DVDD	Supply	Digital positive supply
16	MODE	Digital Input	Control interace mode select (5V tolerant)
17	CE	Digital Input	Serial interface Latch signal (5V tolerant)
18	DI	Digital Input	Serial interface data (5V tolerant)
19	CL	Digital Input	Serial interface clock (5V tolerant)
20	HPOUTL	Analogue Output	Headphone left channel output
21	HPGND	Supply	Headphone negative supply
22	HPVDD	Supply	Headphone positive supply
23	HPOUTR	Analogue Output	Headphone right channel output
24	NC	Not bonded	
25	NC	Not bonded	
26	VOUTL	Analogue Output	DAC channel left output
27	VOUTR	Analogue Output	DAC channel right output
28	VMIDDAC	Analogue Output	DAC midrail decoupling pin ; 10uF external decoupling
29	DACREFN	Analogue Input	DAC negative reference input
30	DACREFP	Analogue Input	DAC positive reference input
31	AUXR	Analogue Input	DAC mixer right channel input
32	AUXL	Analogue Input	DAC mixer left channel input
33	VMIDADC	Analogue Output	ADC midrail divider decoupling pin; 10uF external decoupling
34	ADCREFGND	Supply	ADC negative supply and substrate connection
35	ADCREFP	Analogue Output	ADC positive reference decoupling pin; 10uF external decoupling
36	AVDD	Supply	Analogue positive supply
37	AGND	Supply	Analogue negative supply and subVstrate connection
38	AINVGR	Analogue Input	Right channel multiplexor virtual ground
39	AINOPR	Analogue Output	Right channel multiplexor output
40	AINVGR	Analogue Input	Left channel multiplexor virtual ground
41	AINOPL	Analogue Output	Left channel multiplexor output
42	AIN5R	Analogue Input	Channel 5 right input multiplexor virtual ground
43	AIN5L	Analogue Input	Channel 5 left input multiplexor virtual ground
44	AIN4R	Analogue Input	Channel 4 right input multiplexor virtual ground
45	AIN4L	Analogue Input	Channel 4 left input multiplexor virtual ground
46	AIN3R	Analogue Input	Channel 3 right input multiplexor virtual ground
47	AIN3L	Analogue Input	Channel 3 left input multiplexor virtual ground
48	AIN2R	Analogue Input	Channel 2 right input multiplexor virtual ground

■ BLOCK DIAGRAM



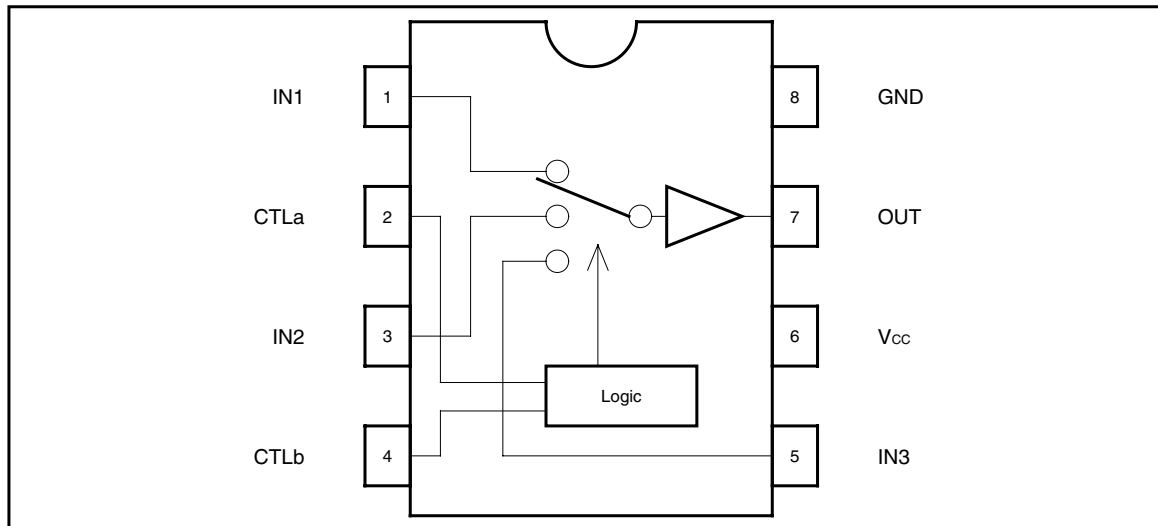
■ PIN ASSIGNMENTS



I.C PIN DESCRIPTIONS (VIDEO SWITCHING : BA7653AF) : IC74

Pin No.	Pin name	Function
1	IN1	Input 1
2	CTLa	Control input a
3	IN2	Input 2
4	CTLb	Control input b
5	IN3	Input 3
6	Vcc	Supply voltage
7	OUT	Output
8	GND	GND

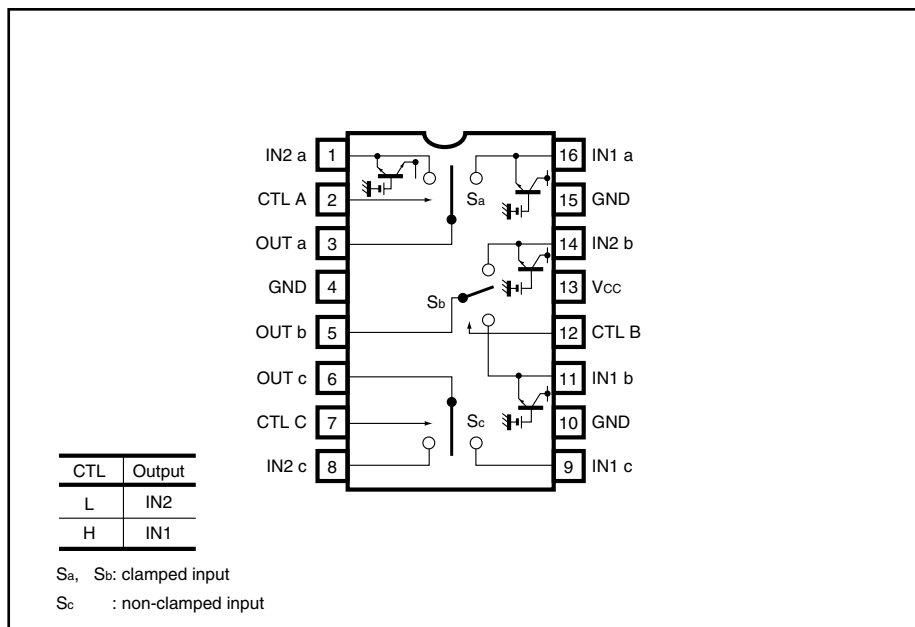
■ BLOCK DIAGRAM



I.C PIN DESCRIPTIONS (VIDEO SWITCHING : BA7607F) : IC75

PIN	NAME	I/O	DESCRIPTION
1	IN2a	I	Input 2a
2	CTLA	I	Control Input A
3	OUTa	O	Output a
4	GND		GND
5	OUTb	O	Output b
6	OUTc	O	Output c
7	CTLC	I	Control C
8	IN2c	I	Input 2c
9	IN1c	I	Input 1c
10	GND		GND
11	IN1b	I	Input 1b
12	CTLB	I	Control B
13	Vcc		Supply Voltage
14	IN2b	I	Input 2b
15	GND		GND
16	IN1a	I	Input 1a

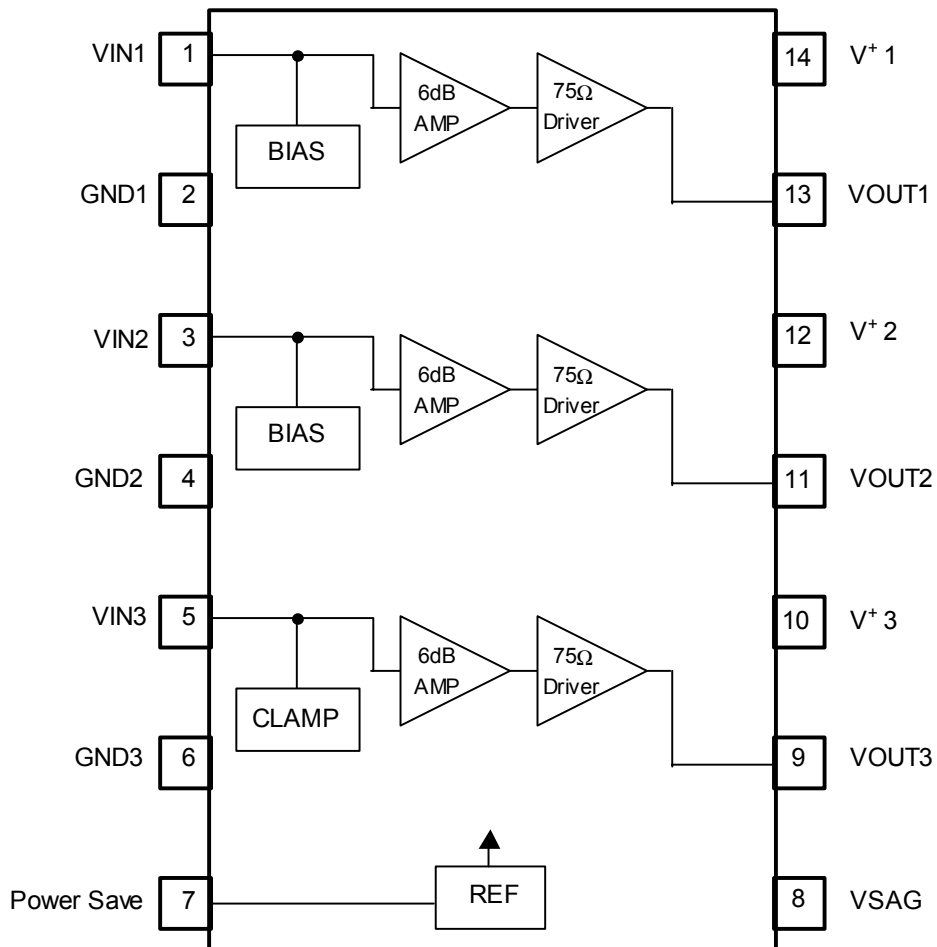
■ BLOCK DIAGRAM



I.C PIN DESCRIPTIONS (3CH VIDEO AMPLIFIER : NJM2580) : IC71, IC72

PIN No	PIN Name	I/O	Function
1	VIN1	I	VIN
2	GND1		GND
3	VIN2	I	VIN
4	GND2		GND
5	VIN3	I	VIN
6	GND3		GND
7	Power Save		H : Power Save OFF L : Power Save ON OPEN : Power Save ON
8	VSAG		
9	VOUT3	O	VOUT
10	V+3		Supply Voltage +5
11	VOUT2	O	VOUT
12	V+2		Supply Voltage +5
13	VOUT1	O	VOUT
14	V+1		Supply Voltage +5

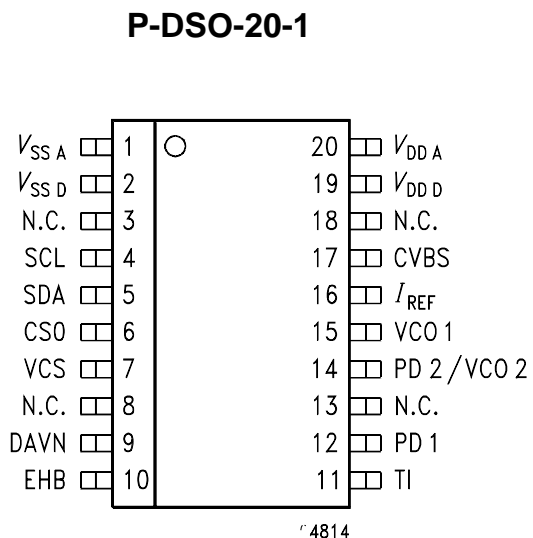
■ BLOCK DIAGRAM



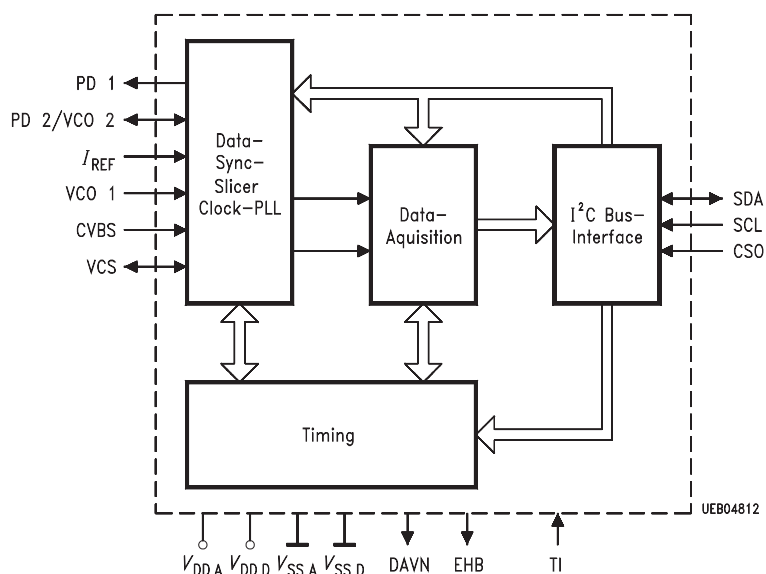
I.C PIN DESCRIPTIONS (VPS IC : SDA5650) : IC82

PIN No	PIN Name	I/O	Function
1	VSSA		Analog Ground (0V)
2	VSSD		Digital Ground (0V)
3	N.C.		Not connected
4	SCL		Serial Clock Input of I ² C Bus
5	SDA		Serial Data Input of I ² C Bus
6	CS0		Chip selet input determining the I ² C Bus addresses; 20H/21H, when pulled low 23H/23H, when pulled high
7	VCS		Video Composite Sync output from Sync slicer used for PLL based clock generate
8	N.C.		Not connected
9	DAVN		Data available output low, when VPS data is receiver.
10	EHB		Output signaling the presence of the first field active high
11	TI		Test input; activates test mode when pulled high. Connect to ground for operating mode.
12	PD1		Phase detector/charge pump output of data PLL
13	N.C.		Not connected
14	PD2/VCO2		Connector of the loop filter for the SYSPLL.
15	VCO1		Input to the voltage controlled oscillator #1 of the DAPLL
16	I _{REF}		Reference current input for the on-chip analog circuit.
17	CVBS		Composite video signal input.
18	N.C.		Not connected
19	VDDD		Positive supply voltage for the digital circuits +5V nom
20	VDDA		Positive supply voltage for the analog circuits +5V nom

PIN ASSIGNMENTS



BLOCK DIAGRAM



Sound IC (MSP3417G : IC76)

■ PIN DESCRIPTIONS

NC = not connected; leave vacant

LV = if not used, leave vacant

DVSS: if not used, connect to DVSS

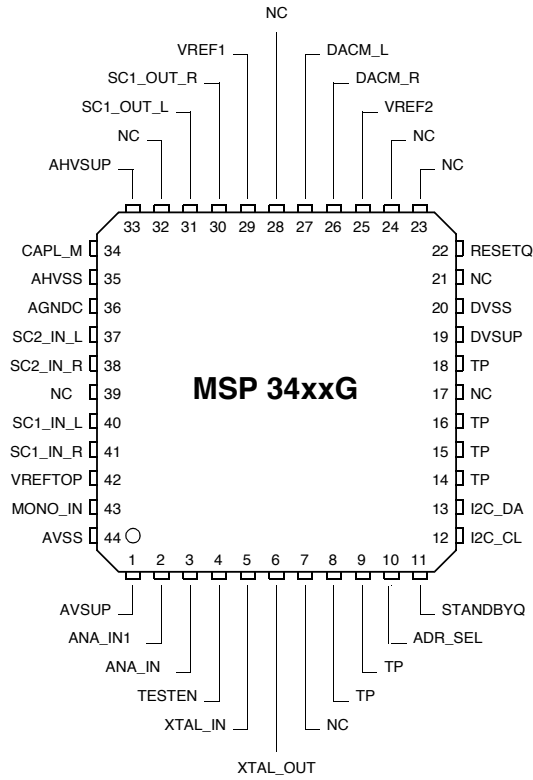
X = obligatory; connect as described in circuit diagram

AHVSS: connect to AHVSS

Pin No.	Pin Name	Type	Connection (if notused)	Short Description
1	AVSUP		X	Analog Power Supply +5V
2	ANA_IN1+	IN	LV	IF Input1
3	ANA_IN-	IN	LV	IF Common
4	TESTEN	IN	X	Test pin
5	XTAL_IN	IN	X	Crystal Osillator
6	XTAL_OUT	IN	X	Crystal Osillator
7	NC		LV	Not connected
8	TP		LV	Test Pin
9	TP		LV	Test Pin
10	ADR_SEL	IN	X	I ² C Bus Address Select
11	STANDBYQ	IN	X	Standby (low-active)
12	I2C_CL	IN/OUT	X	I ² C clock
13	I2C_DA	IN/OUT	X	I ² C data
14	TP		LV	Test Pin
15	TP		LV	Test Pin
16	TP		LV	Test Pin
17	NC		LV	Not connected
18	TP		LV	Test Pin
19	DVSUP		X	Digital Power Supply +5V
20	DVSS		X	Digital Ground
21	NC		LV	Not connected
22	RESETQ	IN	X	Power-on-reset
23	NC		LV	Not connected
24	NC		LV	Not connected
25	VREF2		X	Reference ground 2 high-voltage part

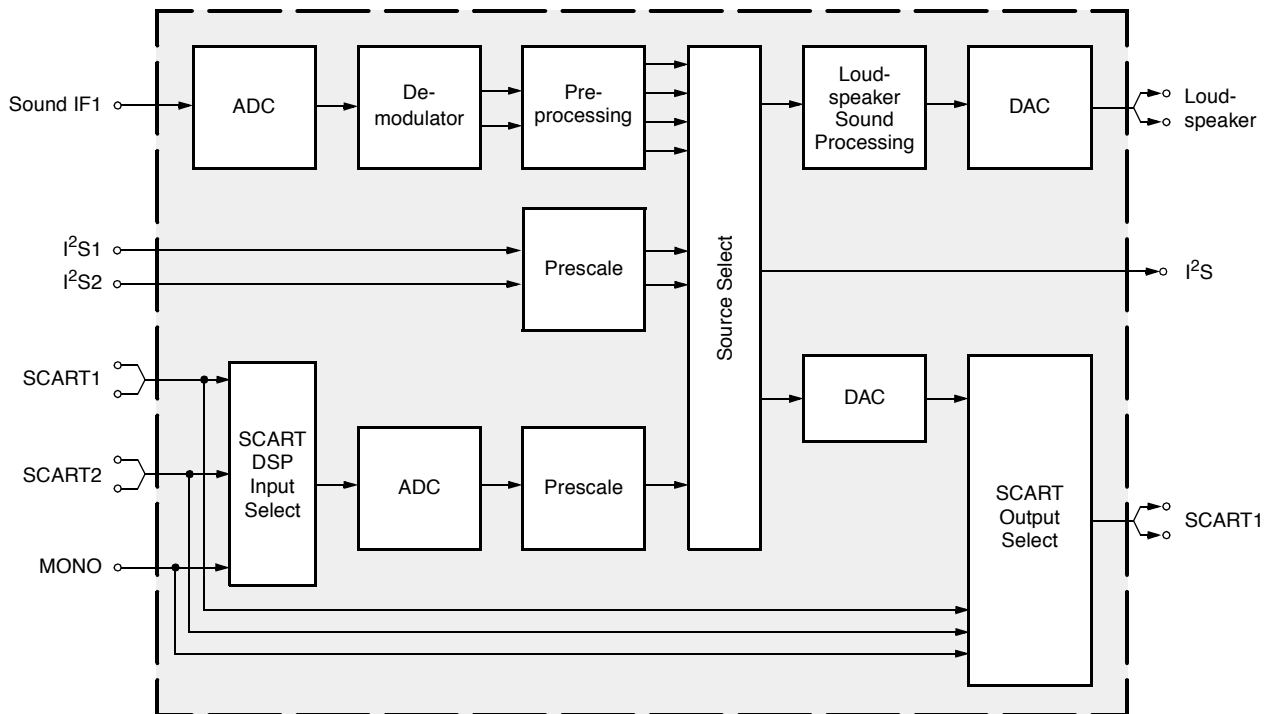
Pin No.	Pin Name	Type	Connection (if not used)	Short Description
26	DACM_R	OUT	LV	Loudspeaker out, Right
27	DACM_L	OUT	LV	Loudspeaker out, Left
28	NC		LV	Not connected
29	VREF1		X	Reference ground 1 high-voltage part
30	SC1_OUT_R	OUT	LV	SCART 1 output, Right
31	SC1_OUT_L	OUT	LV	SCART 1 output, Left
32	NC		LV	Not connected
33	AHVSUB		X	Analog power supply 8.0V
34	CAPL_M		LV	Volume capacitor MAIN
35	AHVSS		X	Analog ground
36	AGNDC		X	Analog reference voltage high-voltage part
37	SC2_IN_L	IN	LV	SCART 2 input, Left
38	SC2_IN_R	IN	LV	SCART 2 input, Right
39	NC		LV	Not connected
40	SC1_IN_L	IN	LV	SCART 1 input, Left
41	SC1_IN_R	IN	LV	SCART 1 input, Right
42	VREFTOP		X	Reference voltage IF A/D converter
43	MONO_IN	IN	LV	Mono input
44	AVSS		X	Analog ground

■ PIN ASSIGNMENTS (MSP3417G)



(Top View)

■ BLOCK DIAGRAM (MSP3417G)



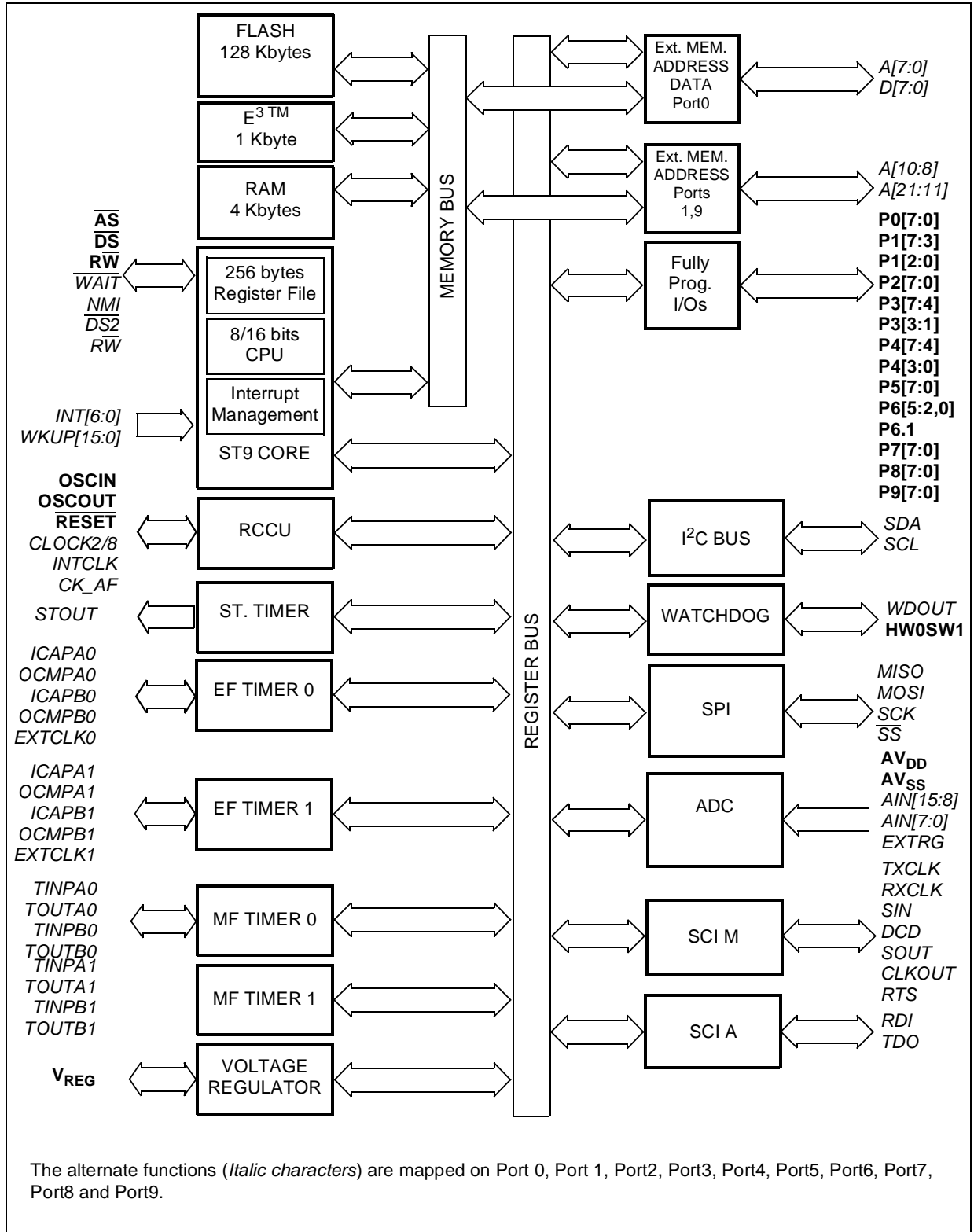
I.C PIN DESCRIPTIONS (HOST U-COM : STP92F124V1) : IC81

PIN NO	PIN NAME	I/O	FUNCTION
1	NC		NO CONNECTION
2	SC2_MUTE	O	SCART MUTE PORT
3	RGB_SW1	O	RGB SWITCH1 PORT
4	NC	O	NO CONNECTION
5	UPDATE_CLK_IN	I	HOST UPDATE PORT
6	UPDATE_DATA_IN1	I	
7	UPDATE_DATA_IN2	I	
8	UPDATE_DATA_IN3	I	
9	F_MUTE	O	FRONT MUTE PORT
10	NC		NO CONNECTION
11	NC		
12	NC		
13	NC		
14	GND		GND PORT
15	VDD		POWER SUPPLY PORT
16	NC		NO CONNECTION
17	NC		
18	NC		
19	NC		
20	NC		
21	PWR_CONT	O	POWER CONTROL PORT
22	DVD_RESET	O	DVD RESET PORT
23	DVD_F_REQ	O	FRONT REQUEST PORT
24	GND		GND PORT
25	DVD_DOUT_P	O	DVD DATA INPUT PORT
26	DVD_DIN_P	I	DVD DATA OUTPUT PORT
27	DVD_CLK_P	I	DVD CLOCK PORT
28	NC		NO CONNECTION
29	NC		
30	NC		
31	NC		
32	NC		
33	NC		
34	NC		
35	NC		
36	NC		
37	NC		
38	GND		GND PORT
39	VDD		POWER SUPPLY PORT
40	VREG		VOLTAGE REGULATOR PORT
41	VTEST		VOLTAGE TEST PORT
42	NC		NO CONNECTION
43	NC		
44	NC		
45	NC		
46	NC		
47	NC		
48	NC		
49	NC		
50	NC		

51	NC		NO CONNECTION
52	NC		
53	NC		
54	NC		
55	NC		
56	NC		
57	NC		
58	NC		
59	NC		
60	NC		
61	GND		GND PORT
62	VDD		POWER SUPPLY PORT
63	NC		NO CONNECTION
64	REMOTE-IN	I	REMOTE CONTROL INPUT PORT
65	BACK-UP		BACK-UP PORT
66	NC		NO CONNECTION
67	DVD_MREQ	I	MAIN REQUEST PORT
68	NC		NO CONNECTION
69	NC		
70	NC		
71	KEY_IN1	I	FRONT PANEL KEY CONTROL PORT
72	KEY_IN2	I	
73	VFD_DATA	O	FIP DISPLAY CONTROL PORT
74	VFD_CLK	O	
75	VFD_CSB	O	
76	VFD_RSTB	O	
77	STBY_LED	O	STBY_LED CONTROL PORT
78	NC		NO CONNECTION
79	VDD		POWER SUPPLY PORT
80	GND		GND PORT
81	NC		NO CONNECTION
82	NC		
83	NC		
84	NC		
85	NC		
86	NC		
87	NC		
88	NC		
89	GND		GND PORT
90	VDD		POWER SUPPLY PORT
91	OSC-IN	I	OSC CONNECTION PORT
92	OSC-OUT	O	
93	RESET	I	HOST I.C RESET PORT
94	HWOHW1		POWER SUPPLY PORT
95	RGB_SW2	O	RGB SWITCH2 PORT
96	NC		NO CONNECTION
97	NC		
98	RTC_DATA	I/O	RTC SDA DATA PORT
99	RTC_CLK	O	RTC SCL DATA PORT
100	NC		NO CONNECTION

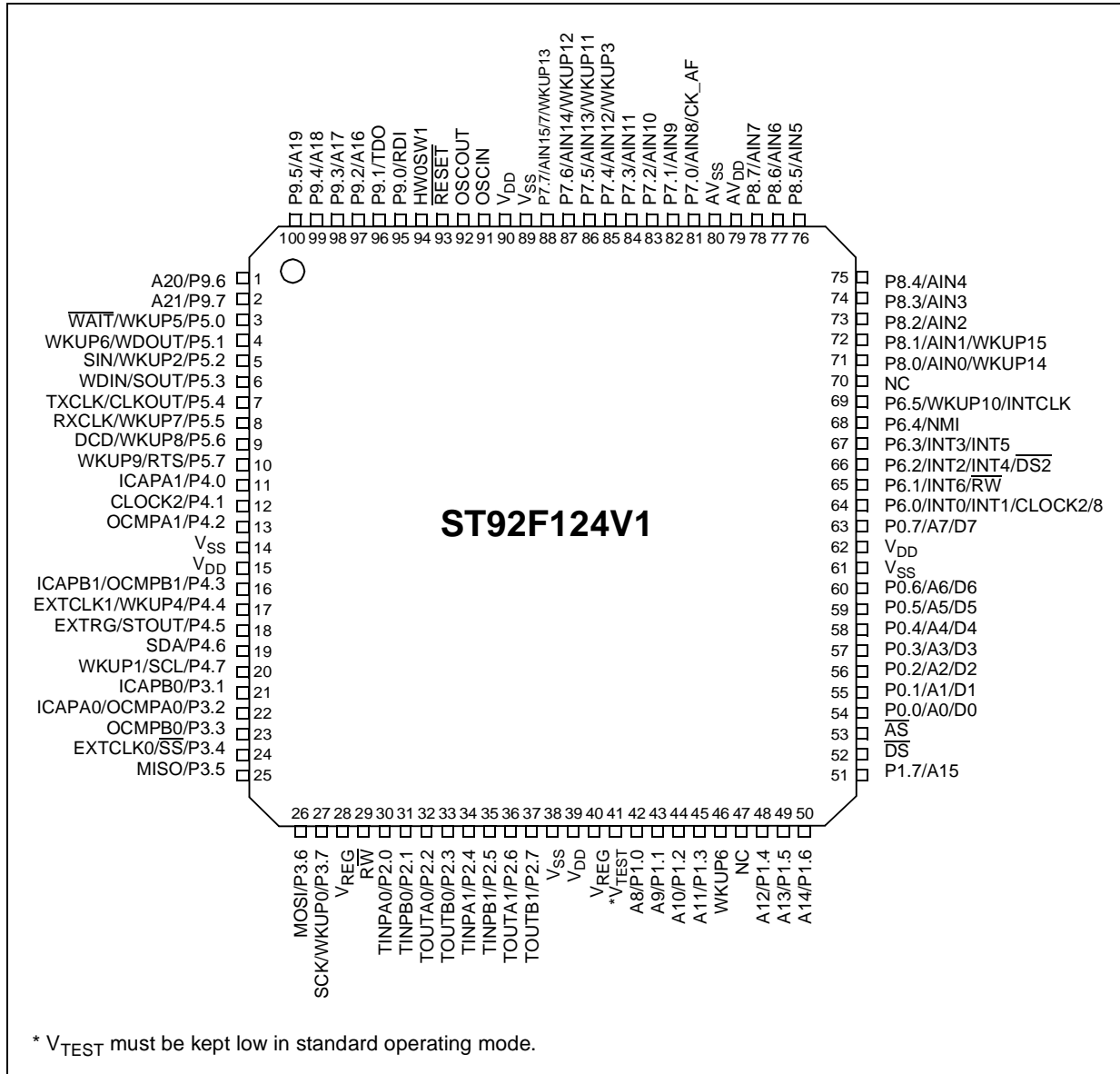
■ BLOCK DIAGRAM

Figure 2. ST92F124V1: Architectural Block Diagram

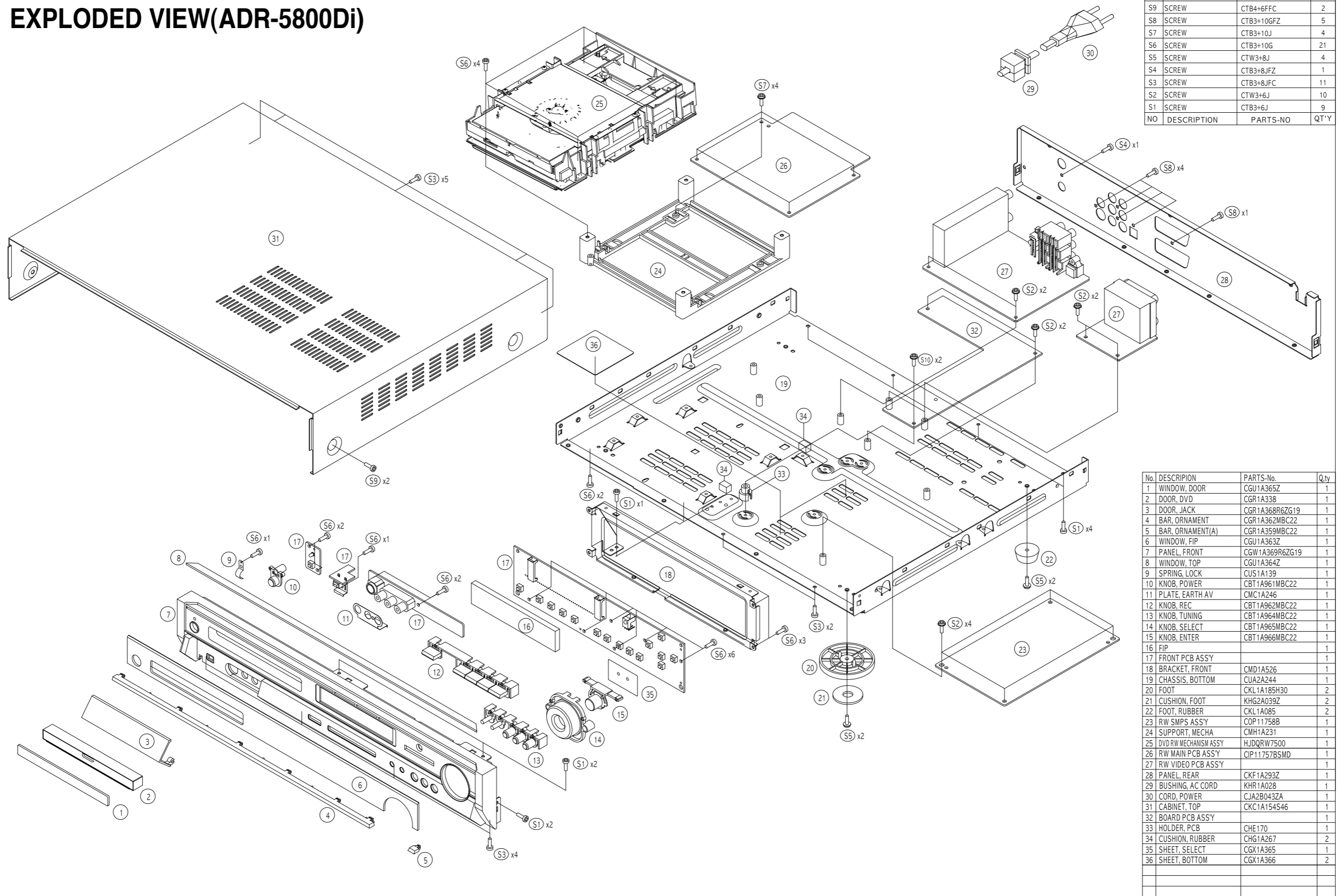


PIN ASSIGNMENTS

Figure 8. ST92F124V1: Pin Configuration (Top-view TQFP100)



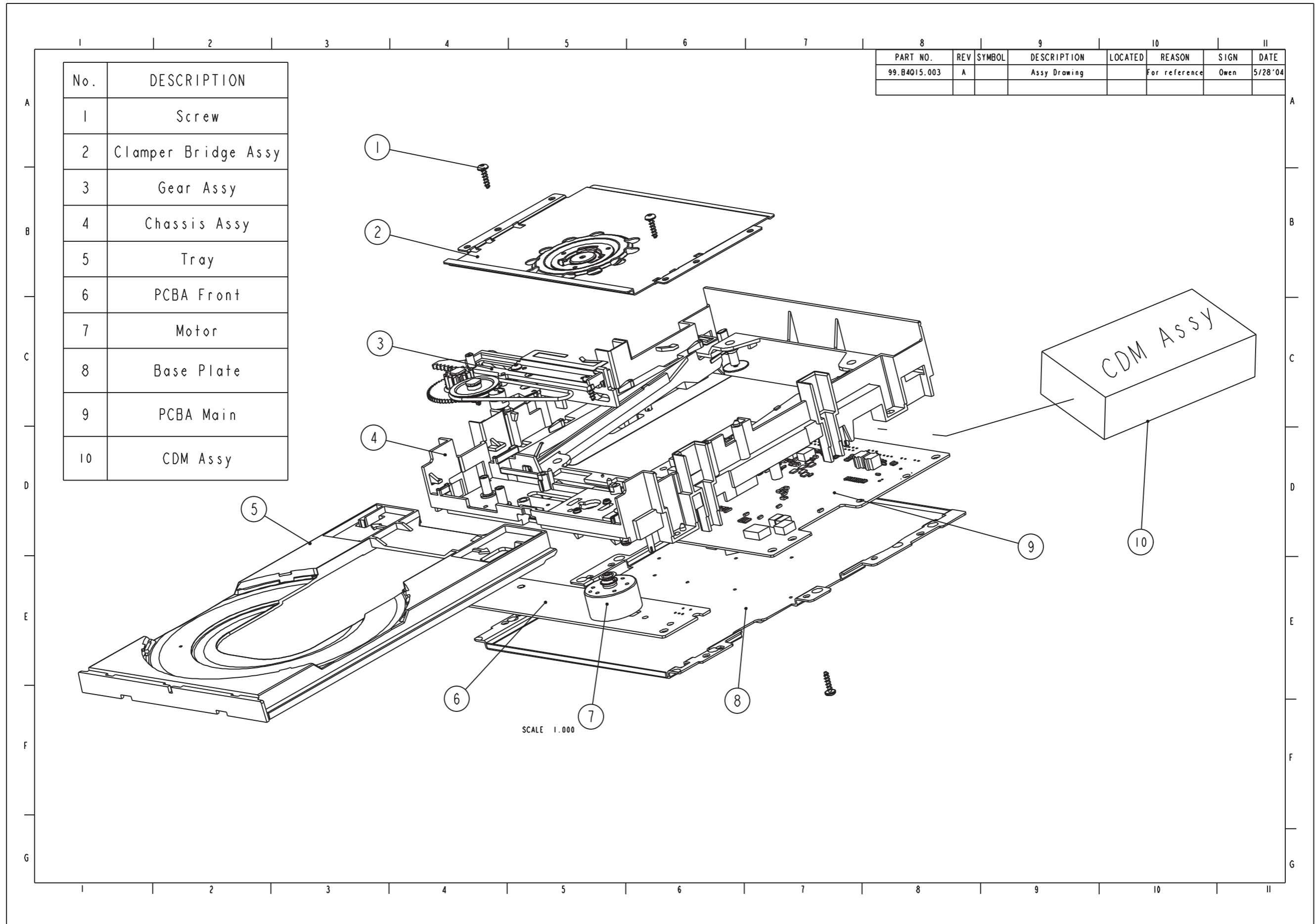
EXPLODED VIEW(ADR-5800Di)



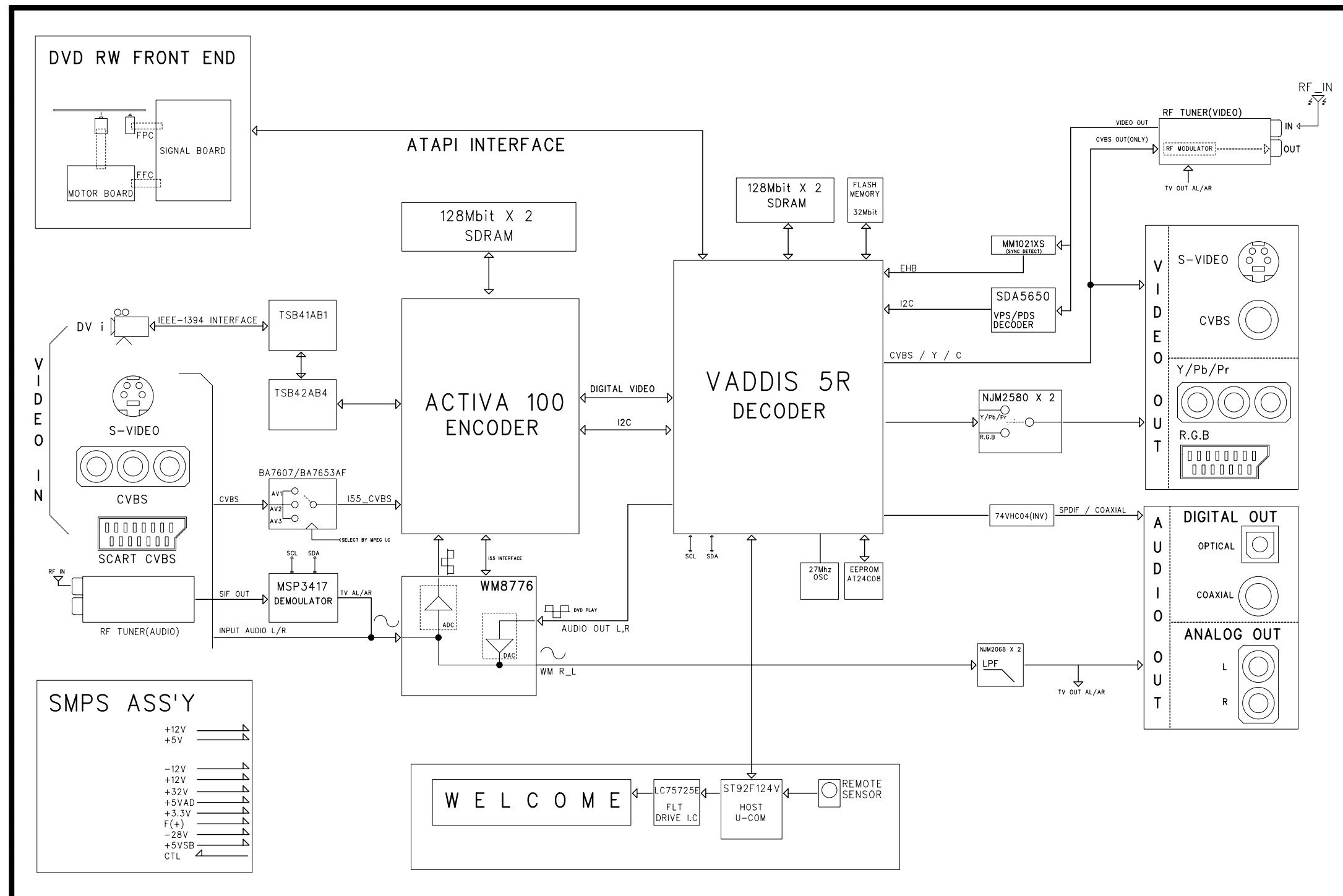
S10	SCREW	CTW3+12J	1
S9	SCREW	CTB4+6FFC	2
S8	SCREW	CTB3+10GFZ	5
S7	SCREW	CTB3+10J	4
S6	SCREW	CTB3+10G	21
S5	SCREW	CTW3+8J	4
S4	SCREW	CTB3+8JFZ	1
S3	SCREW	CTB3+8JFC	11
S2	SCREW	CTW3+6J	10
S1	SCREW	CTB3+6J	9
NO	DESCRIPTION	PARTS-NO	QTY

No.	DESCRIPTION	PARTS-No.	Q.ty
1	WINDOW, DOOR	CGU1A365Z	1
2	DOOR, DVD	CGR1A338	1
3	DOOR, JACK	CGR1A368R6ZG19	1
4	BAR, ORNAMENT	CGR1A362MBC22	1
5	BAR, ORNAMENT(A)	CGR1A359MBC22	1
6	WINDOW, FIP	CGU1A363Z	1
7	PANEL, FRONT	CGW1A369R6ZG19	1
8	WINDOW, TOP	CGU1A364Z	1
9	SPRING, LOCK	CUS1A139	1
10	KNOB, POWER	CBT1A961MBC22	1
11	PLATE, EARTH AV	CMC1A246	1
12	KNOB, REC	CBT1A962MBC22	1
13	KNOB, TUNING	CBT1A964MBC22	1
14	KNOB, SELECT	CBT1A965MBC22	1
15	KNOB, ENTER	CBT1A966MBC22	1
16	FIP		1
17	FRONT PCB ASSY		1
18	BRACKET, FRONT	CMD1A526	1
19	CHASSIS, BOTTOM	CUA2A244	1
20	FOOT	CKL1A185H30	2
21	CUSHION, FOOT	KHG2A039Z	2
22	FOOT, RUBBER	CKL1A085	2
23	RW SMPs ASSY	COP11758B	1
24	SUPPORT, MECHA	CMH1A231	1
25	DVD RW MECHANISM ASSY	HJDQRW7500	1
26	RW MAIN PCB ASSY	QIP11757BSMD	1
27	RW VIDEO PCB ASSY		1
28	PANEL, REAR	CKF1A293Z	1
29	BUSHING, AC CORD	KHR1A028	1
30	CORD, POWER	CJA2B043ZA	1
31	CABINET, TOP	CKC1A154546	1
32	BOARD PCB ASSY		1
33	HOLDER, PCB	CHE170	1
34	CUSHION, RUBBER	CHG1A267	2
35	SHEET, SELECT	CGX1A365	1
36	SHEET, BOTTOM	CGX1A366	2

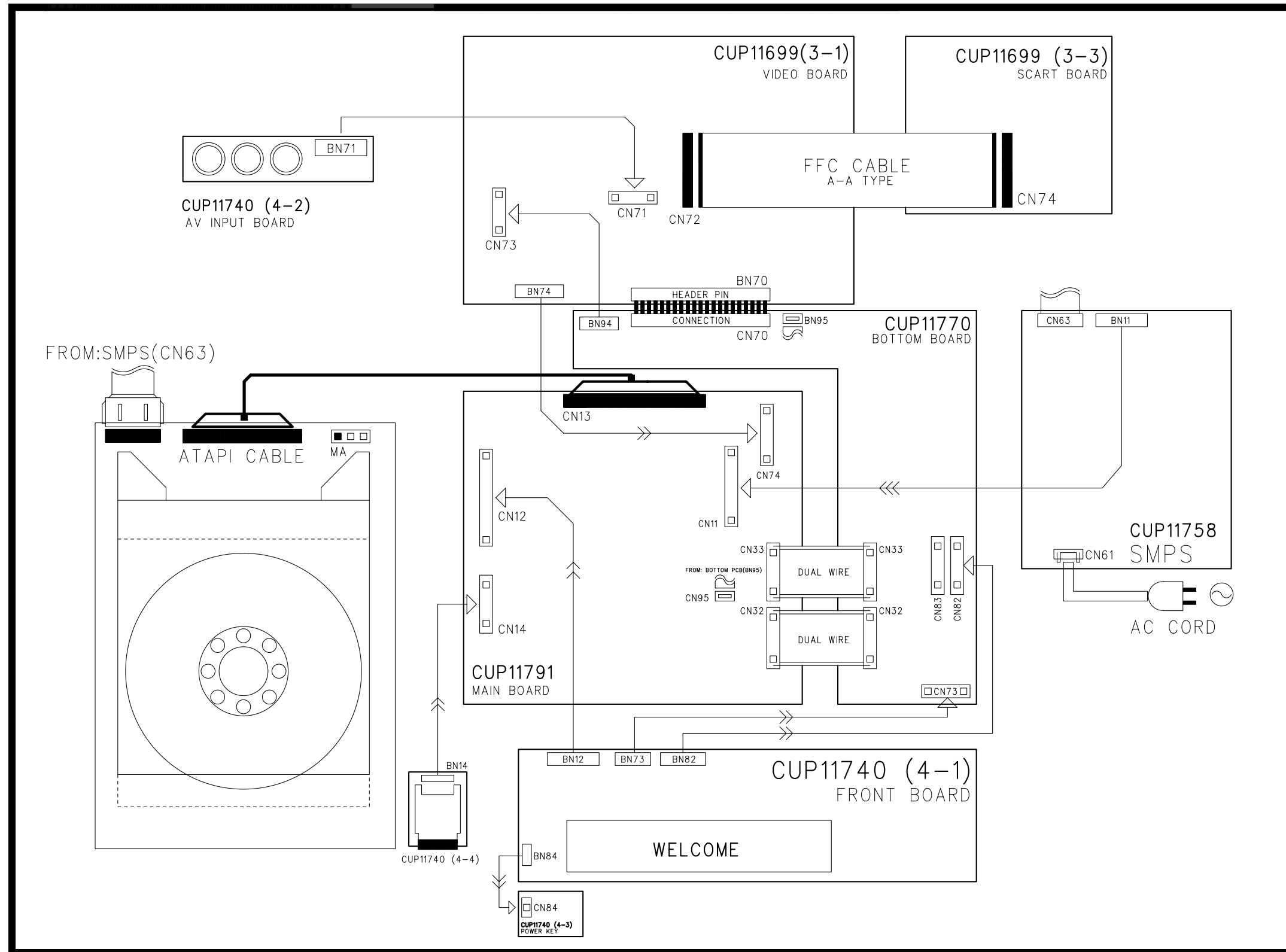
EXPLODED VIEW 2



BLOCK DIAGRAM

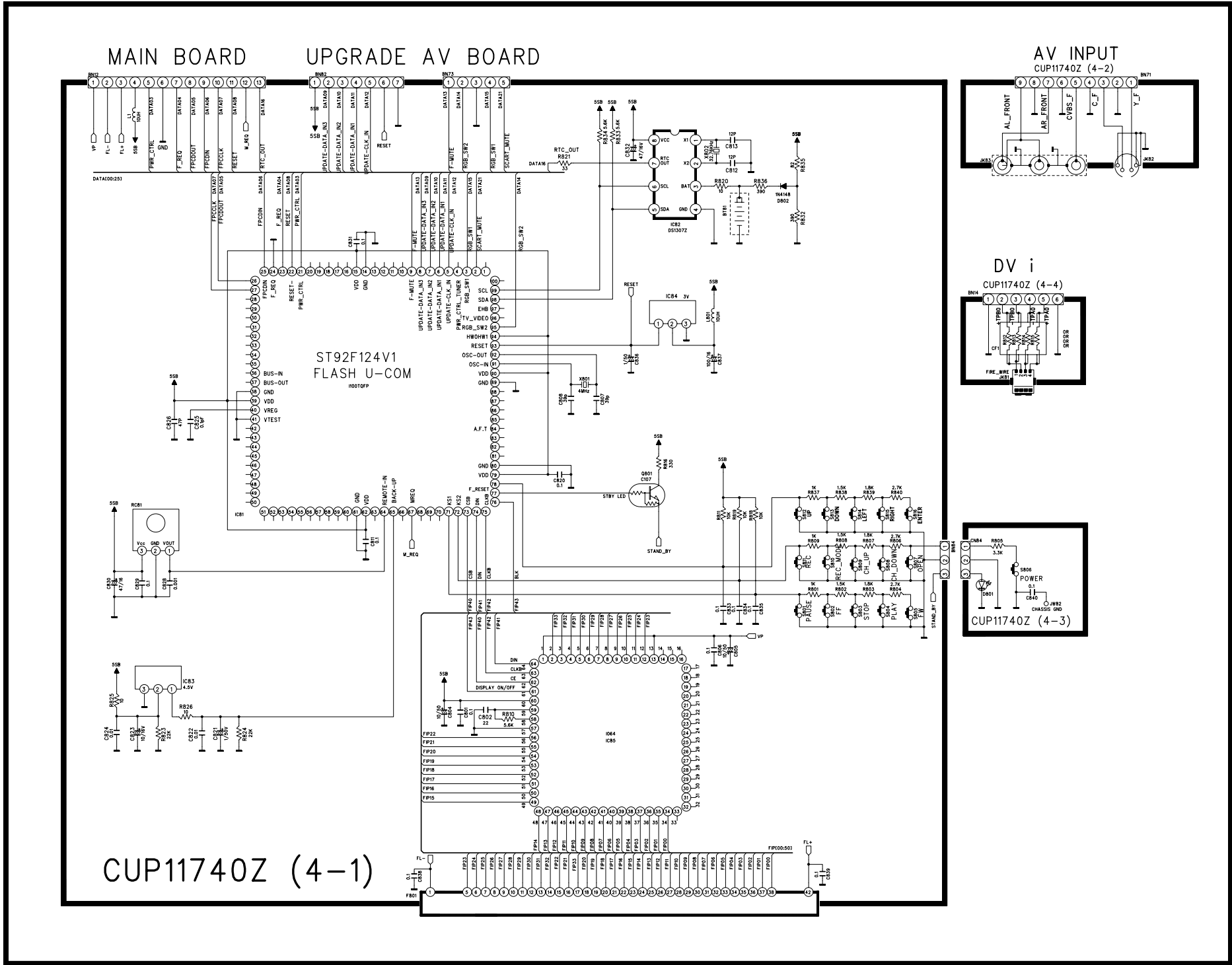


WIRING DIAGRAM

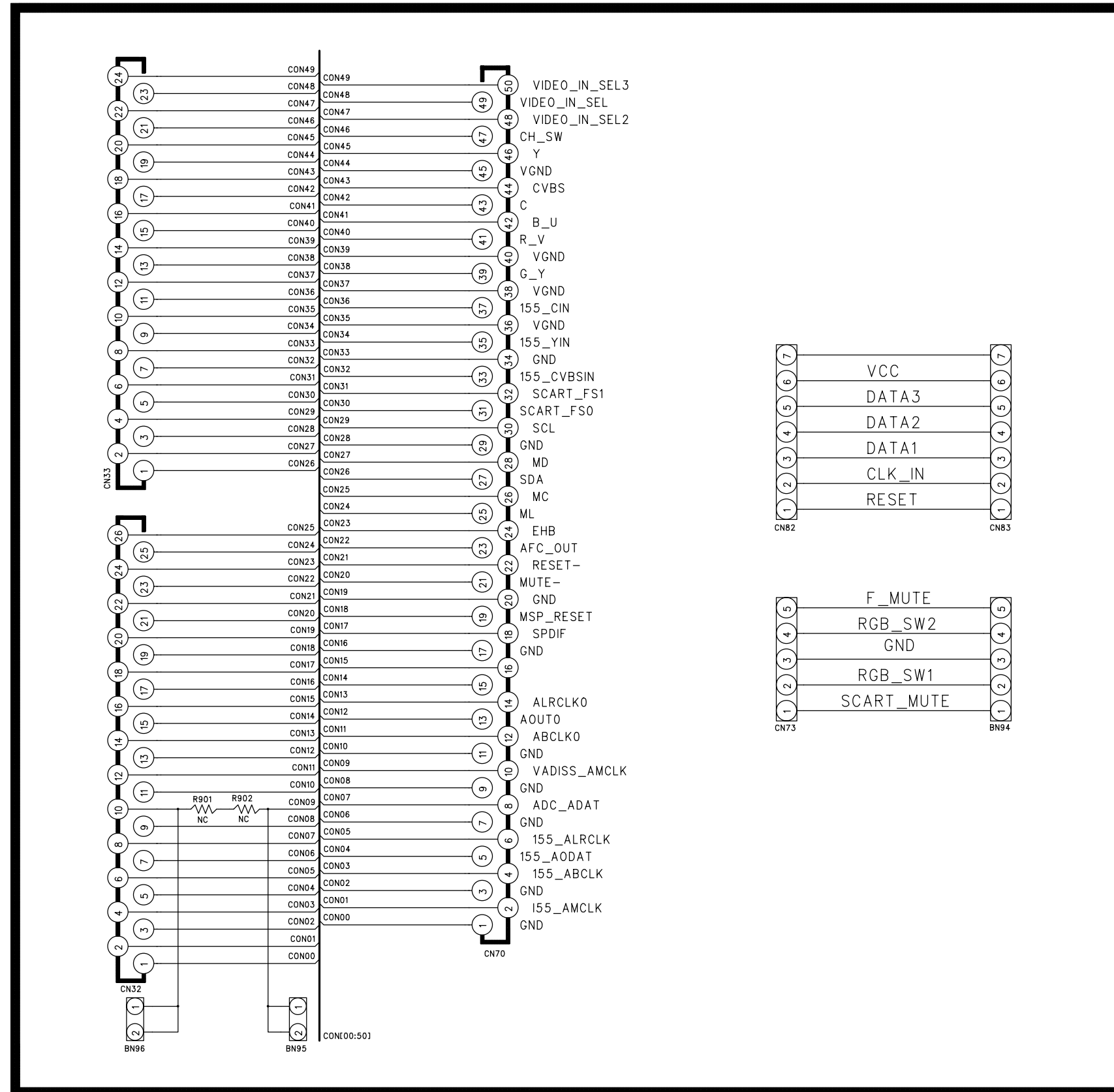


SCHEMATIC DIAGRAMS

FRONT BOARD

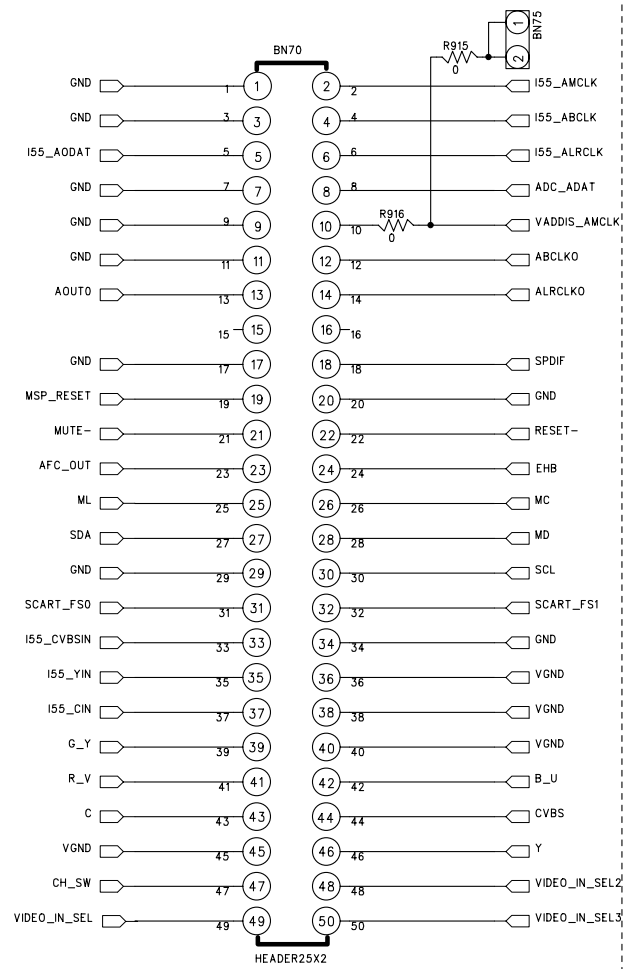


BOTTOM BOARD

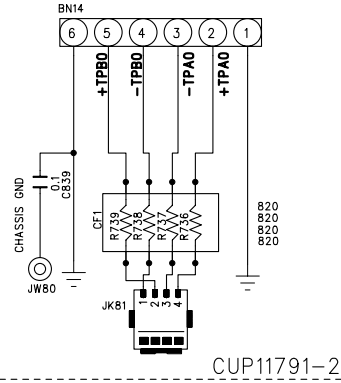


AV BOARD 1

MAIN<-> AV CONNECTOR

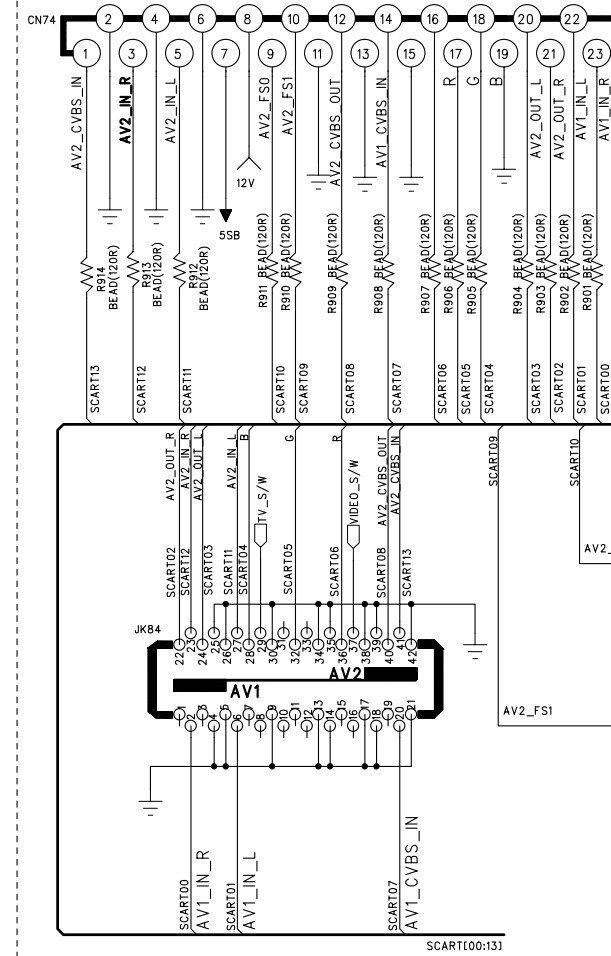


DV IN

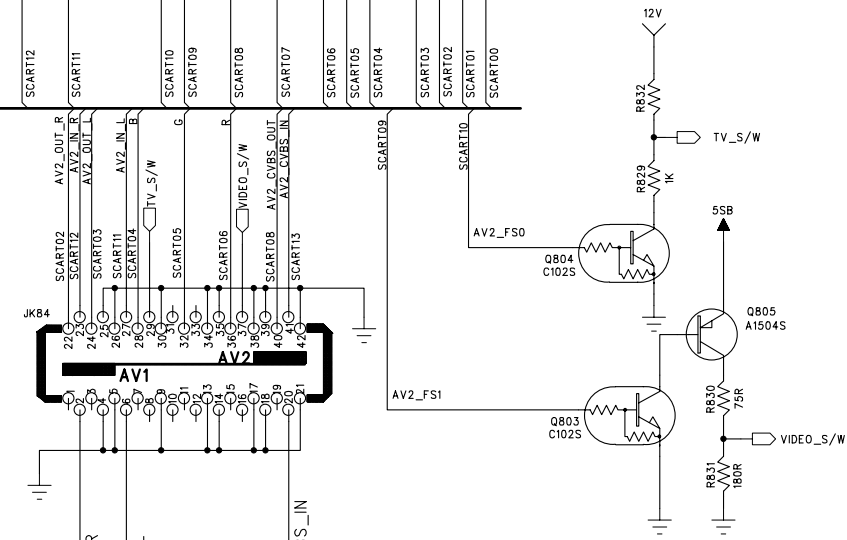


CUP11791-2

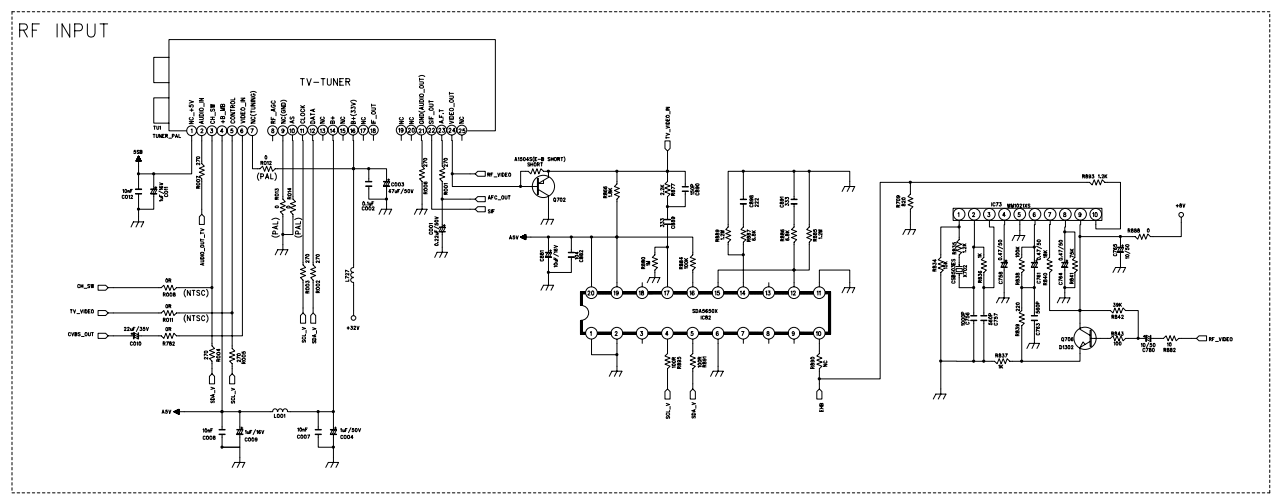
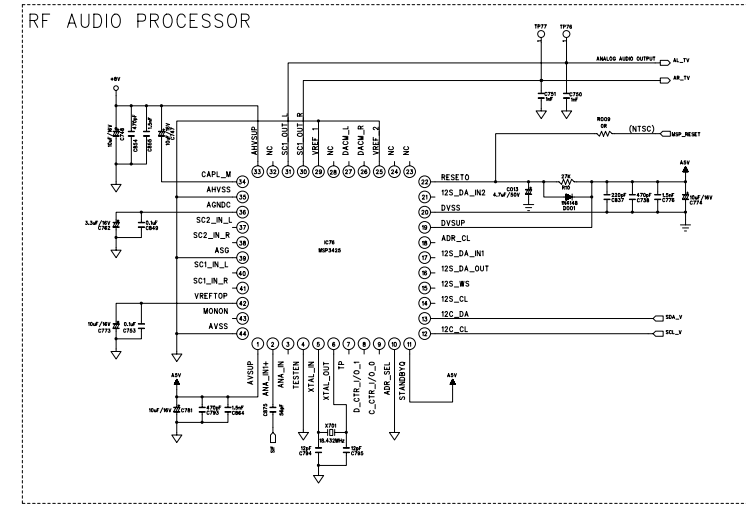
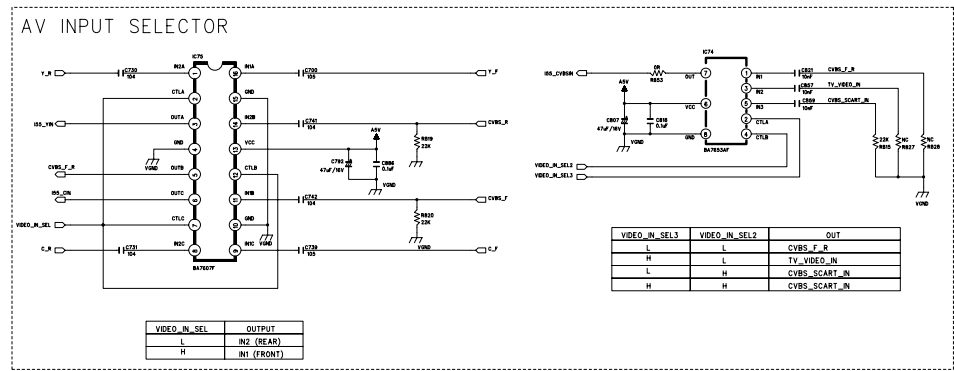
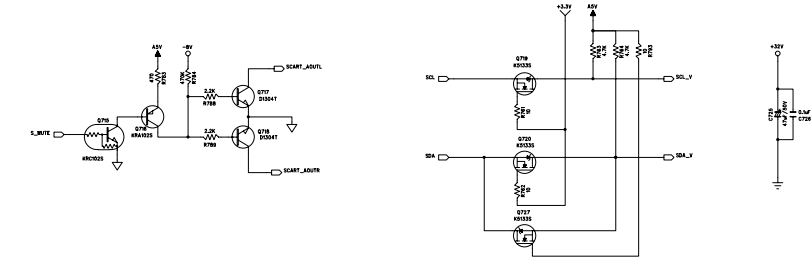
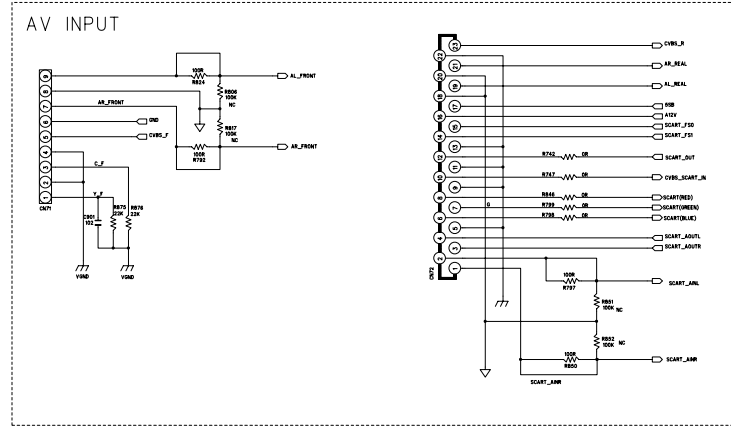
2 SCART INPUT



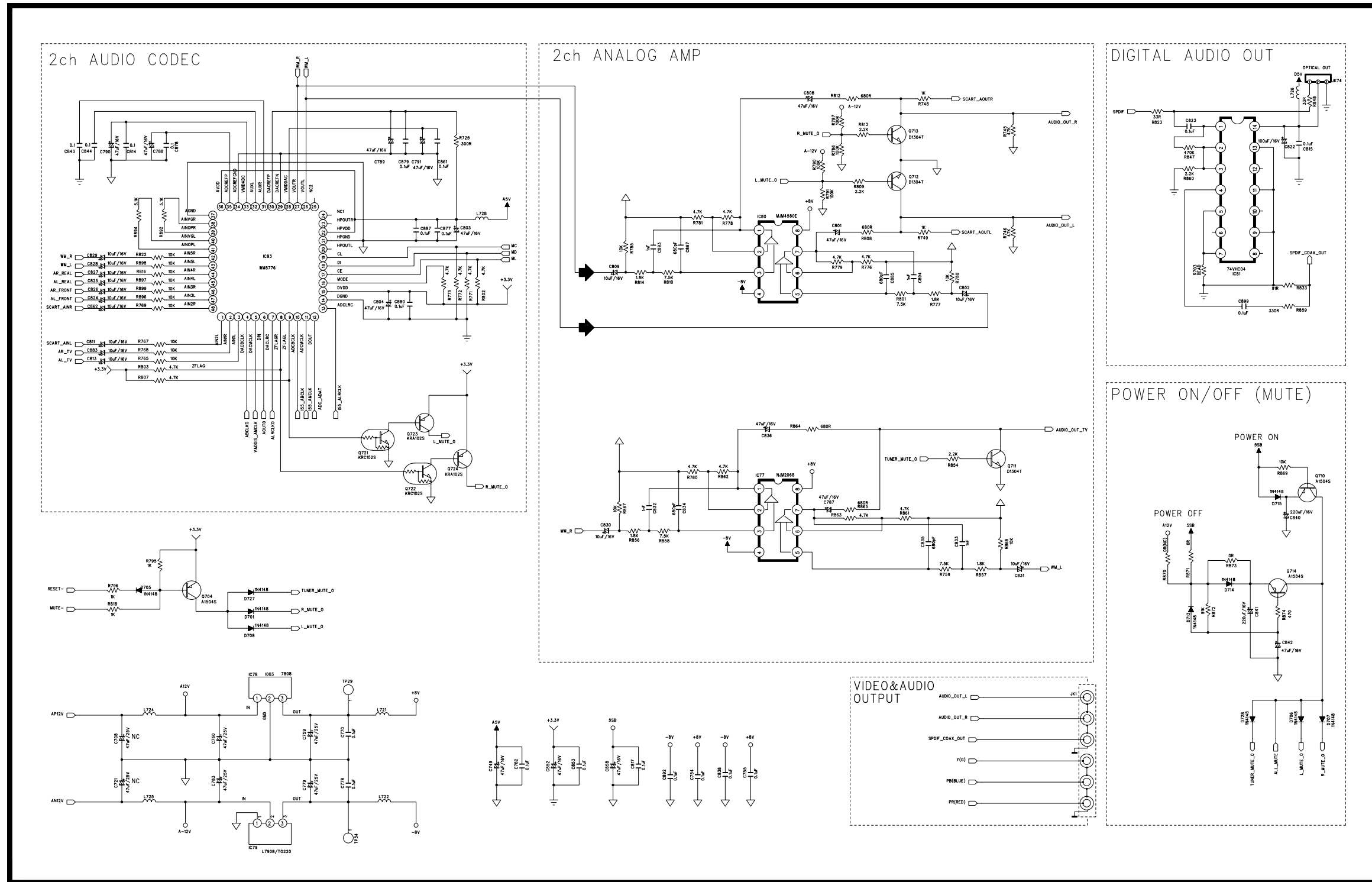
CUP11791-3



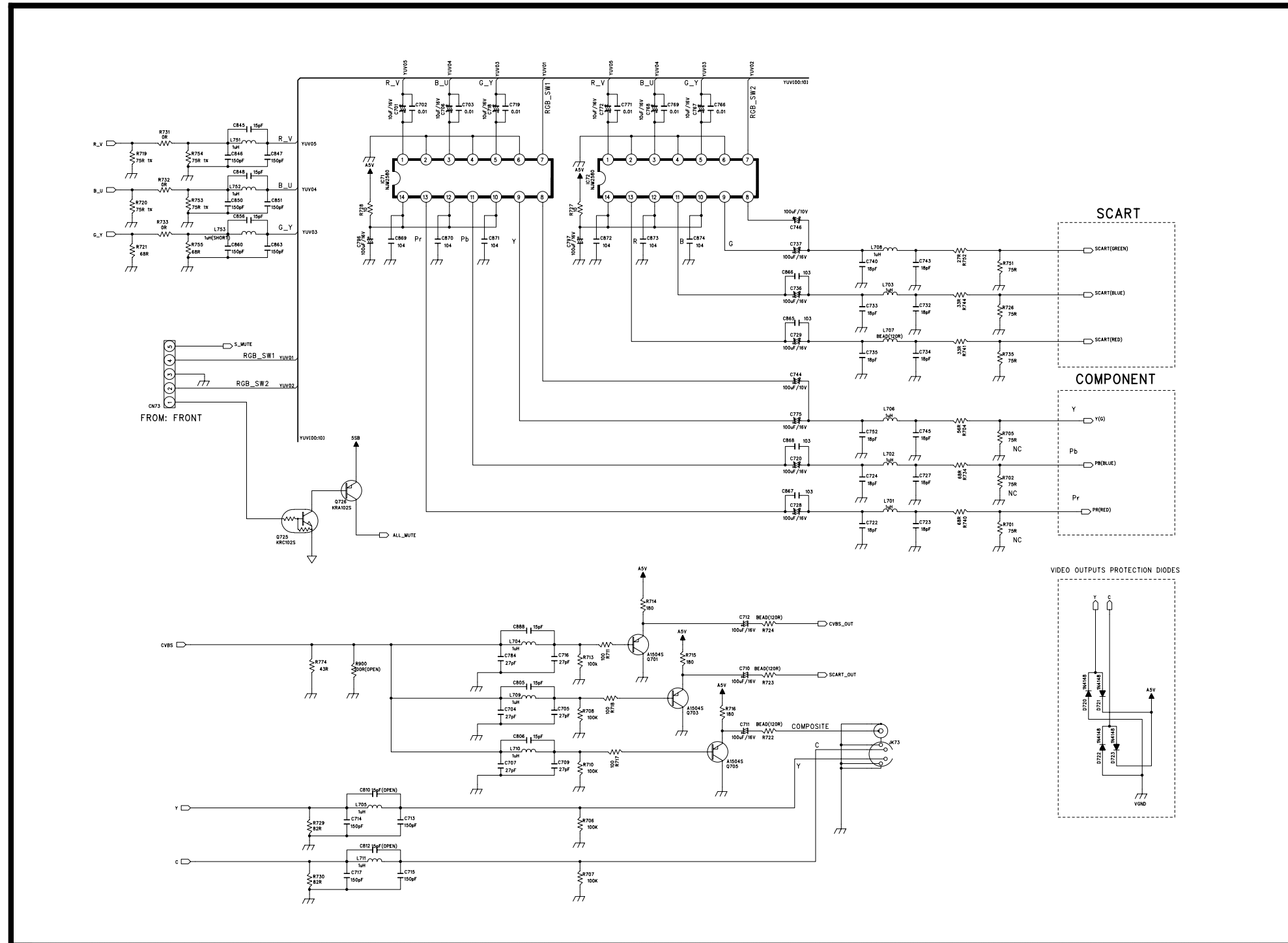
AV BOARD 2



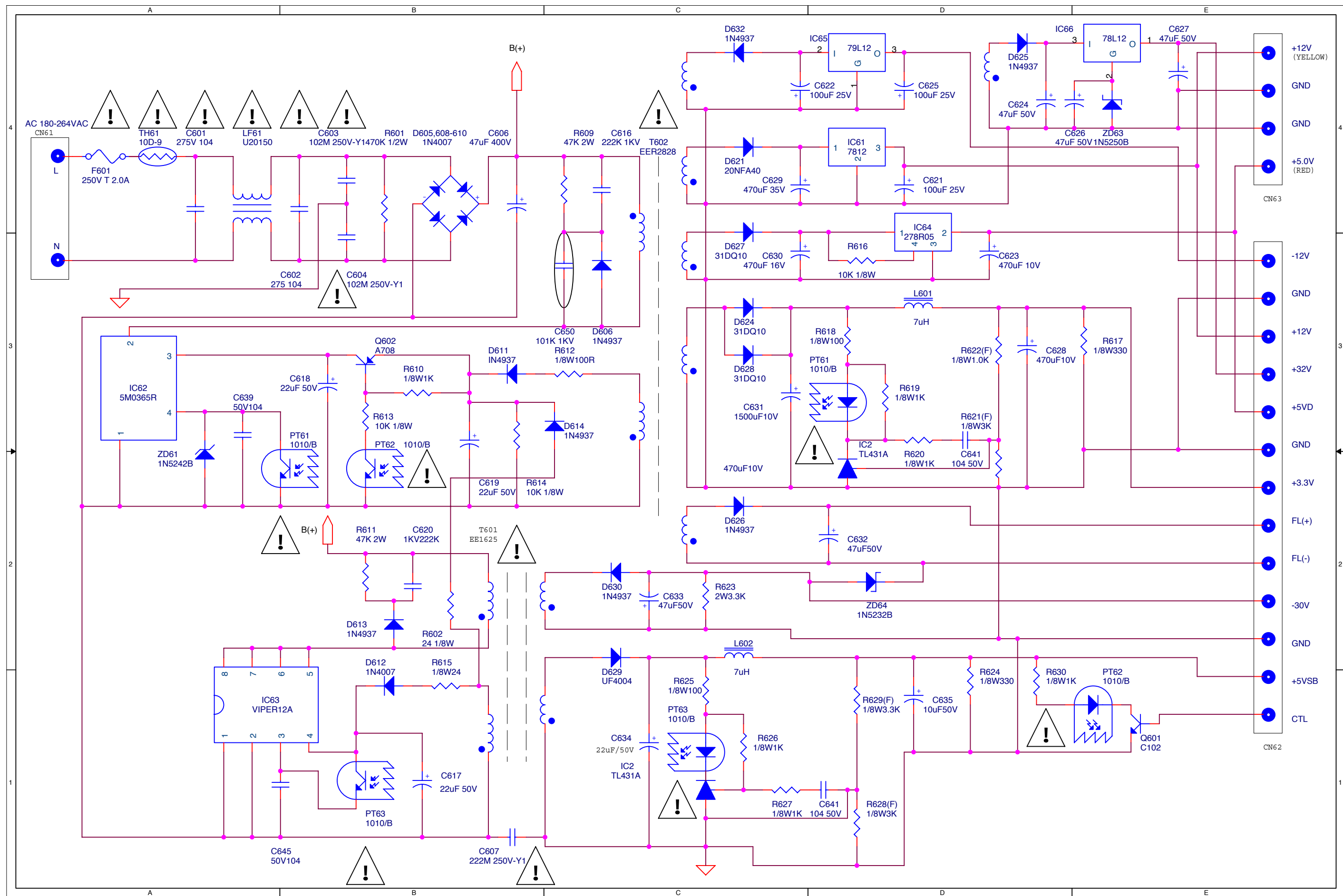
AV BOARD 3



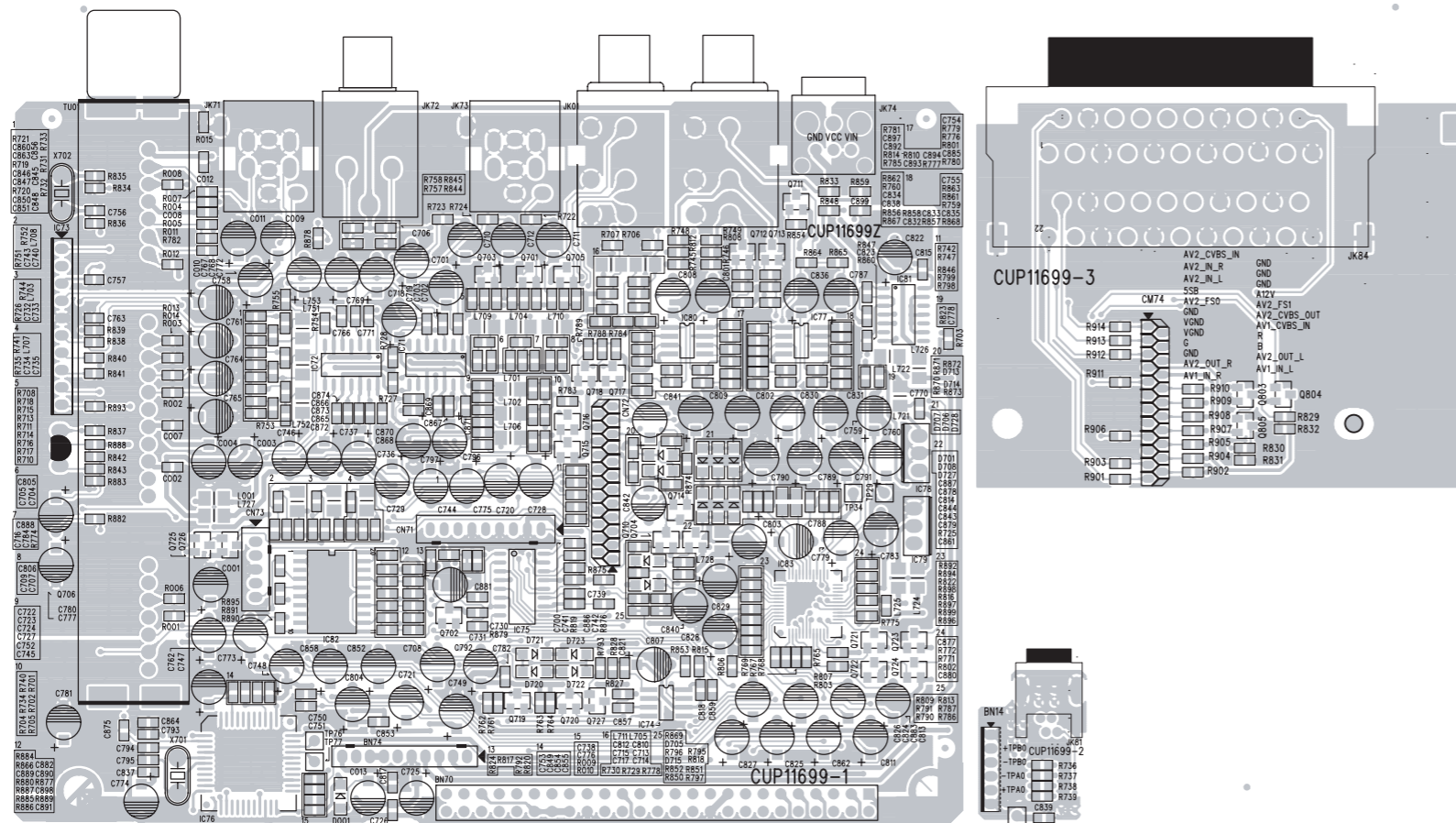
AV BOARD 4



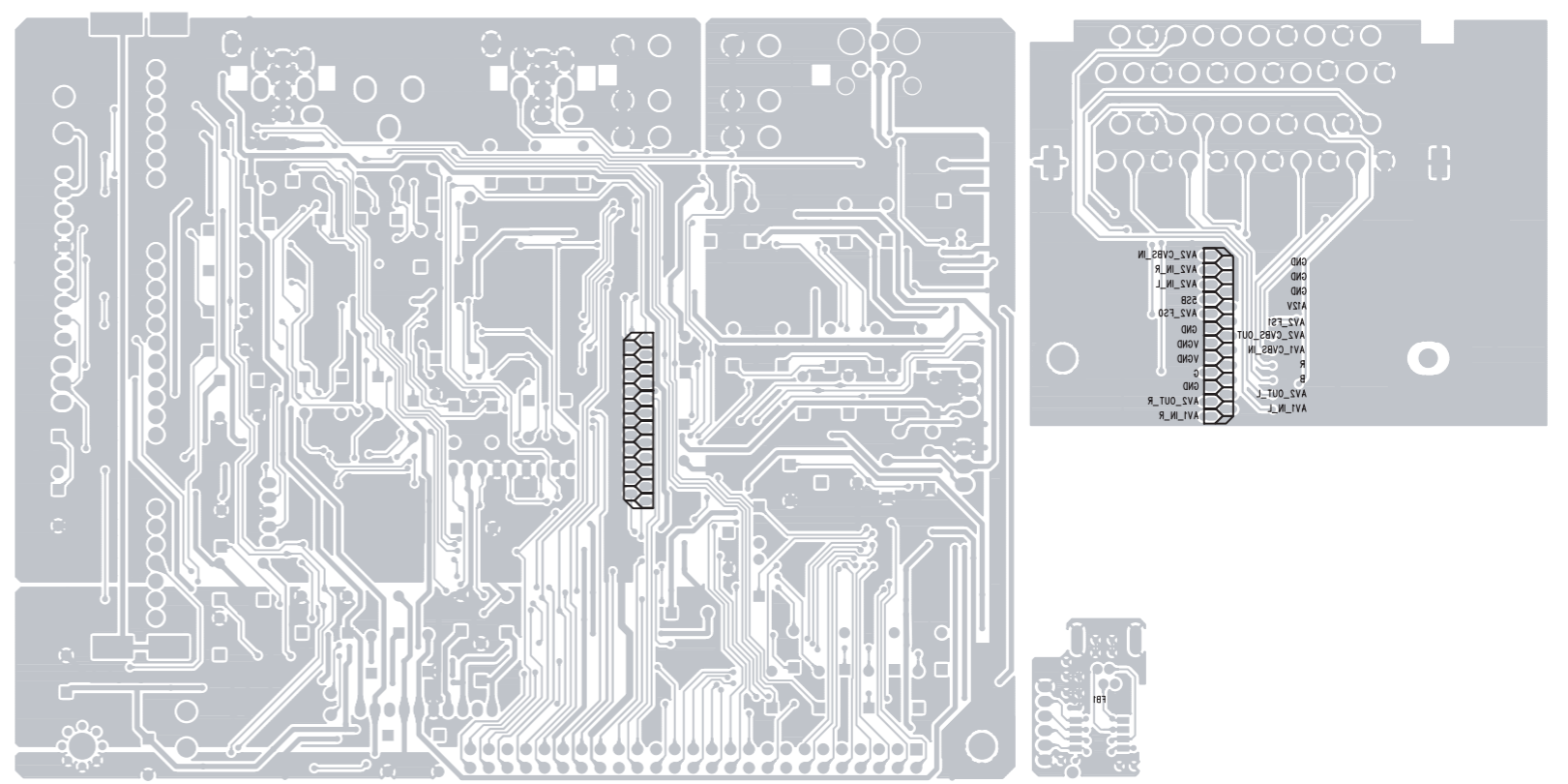
SMPS BOARD 1



AV BOARD(TOP VIEW)



AV BOARD(BOTTOM VIEW)



SMPS BOARD

CAUTION

FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE ONLY WITH SAME TYPE AND RATING FUSE(S).

