

Service Manual

Digital Home Cinema System

DHC-XD600 Series

**DVD-DR4032 for Quelle
739/162 for Neckermann**

Caution

: In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center.

DIGITAL HOME CINEMA SYSTEM

DHC-XD600P : with Prologic II

*** DVD-DR4032 for Quelle, 739/162 for Neckmann**

DHC-XD600PS : with Prologic II and Progressive Scan

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1. Safety Precautions

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

	CAUTION RISK OF ELECTRIC SHOCKS DO NOT OPEN	
CAUTION : TO REDUCE THE RISK IF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		
	THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.	
	THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.	

CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

LASER SAFETY

THIS UNIT EMPLOYS A LASER. ONLY QUALIFIED SERVICE PERSONNEL SHOULD REMOVE THE COVER OR ATTEMPT TO SERVICE THIS DEVICE DUE TO POSSIBLE EYE INJURY.

CAUTION : USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION : POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Important Safety Instructions

- All the safety and operating instructions should be read before the appliance is operated.
 - The safety and operating instructions should be retained for future reference.
 - All warnings on the appliance and in the operating instructions should be adhered to.
 - All operating and use instructions should be followed.
1. Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink,

laundry tub, in a wet basement, or near a swimming pool, and the like.

PORTABLE CART

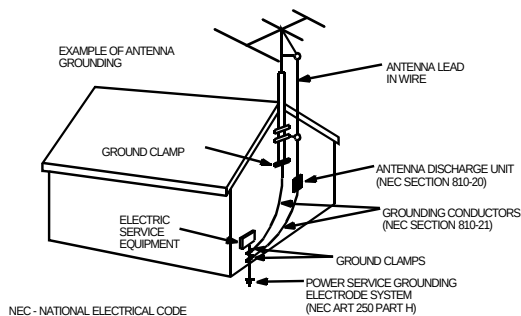


Figure 2

2. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.
3. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
4. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
5. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
6. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
7. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
8. Grounding or Polarization - The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
9. Power - Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
10. Protective Attachment Plug - If the appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
11. Cleaning - The appliance should be cleaned only as recommended by the manufacturer.
12. Power Lines - An outdoor antenna should be located away from power lines.

1. Safety Precautions

13. Outdoor Antenna Grounding - If an outside antenna is connected to the receiver be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure 1.



14. Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

15. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

16. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

- a) The power-supply cord or the plug has been damaged; or
- b) Objects have fallen, or liquid has been spilled into the appliance; or
- c) The appliance has been exposed to rain; or
- d) The appliance does not appear to operate normally or exhibits a marked change in performance; or
- e) The appliance has been dropped, or the enclosure damaged.

17. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

2. Specifications

General specifications

Power supply Voltage (Option)	AC 100V ~ 127V or 220V ~ 240V / (50 / 60Hz)	Power consumption	Standby 2Watt Operating 90Watt
		Dimensions (W x D x H) / Weight	430 x 392 x 97mm/ 6.1 kg

Front Amp. Section

POWER OUTPUT at 10% THD(RMS)	At 1KHz, 6 ohms	50W
THD(Total Harmonic Distortion)	At 1KHz, 10W	0.1%
Input Sen. / Impedance @ 1KHz, 47K ohms	VIDEO, TV/AUX	200mV ± 30mV/47K
Output Level/Impedance @ 1KHz	Tape Rec	200mV ± 30mV/2.2K
Frequency Response(Analogue)	at 1W : TAPE, VIDEO -3dB	20Hz~20KHz
S/N Ratio IHF-A Weighted	TAPE, VIDEO	70dB
Subwoofer Turnover Frequency		≤120Hz
Channel Separation	1KHz	55dB
Crosstalk	VIDEO -->TV/AUX	65dB
	TV/AUX--> VIDEO	65dB

Center Amp Section

POWER OUTPUT at 10% THD(RMS)	At 1KHz, 6 ohms	50W
TOTAL HARMONIC DISTORTION	At 1KHz, 10W	0.1%
S/N RATIO, IHF-A FILTER	Rated Output	70dB
FRE. RESPONSE	1W	135Hz~18KHz

Rear Amp Section

POWER OUTPUT 10% THD(RMS)	At 1KHz, 6 ohms	50W
TOTAL HARMONIC DISTORTION	At 1KHz, 10W	0.1%
S/N RATIO DOLBY	Rated Output	65dB
FREQUENCY RESPONSE	1W	135Hz~18KHz

Woofer Section

POWER OUTPUT at 10% THD	At 100Hz, 6 ohms	50W
FREQUENCY RESPONSE	1W	20Hz~150Hz
S/N RATIO, IHF-A Weight		60dB

Video Section

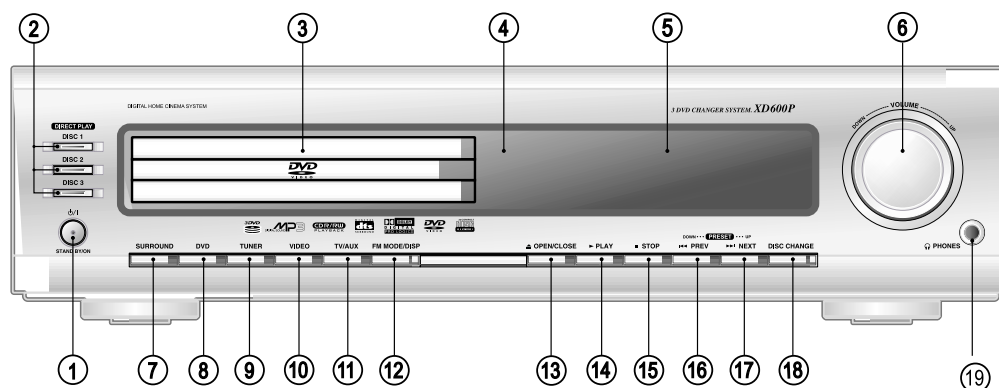
Input Sen./Impedance	Composite Video(Video)	1Vp-p/75 ohm	±0.5 dB
Output Level/Impedance	Composite 75 ohm	1Vp-p/75 ohm	±0.5 dB
	S-Video(Y/C) 75 ohm(DVD only)	1Vp-p/ 0.286Vp-p	±0.5 dB
	Component Out(Y/ Pb/ Pr):Option	1Vp-p/0.7Vp-p/0.7Vp-p	±0.5 dB
Frequency Response	Ref 500KHz		5Hz~5.7MHz
Crosstalk	@1MHz	45dB	40dB
S/N Ratio	DVD	60dB	

FM Tuner Section (FM ANT Impedance : 75 ohms)

Tuning Range	USA Version	87.5~108.0MHz
	Australia/Europe Version	87.5~108.0MHz
Scanning Frequency Interval	USA Version	100KHz
	Australia/Europe Version	50KHz
Usable Sensitivity, 75 ohms	S/N=30dB, USA Version	2uV(17.2dBf)
	S/N=26dB	3uV(20.8dBf)
	,Australia/Europe Version	
S/N Ratio @1mV IHF-A FILTER	Mono USA Version	70dB
	Mono Australia/Europe Version	70dB
	Stereo USA Version	65dB
	Stereo Australia/Europe Version	63dB

3. Location of Users Controls

● Front Panel

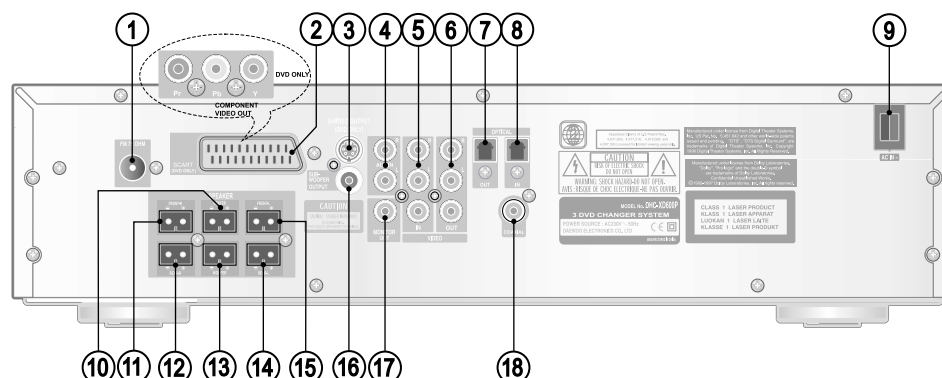


Front panel

- | | |
|---|-----------------------------|
| 1. STANDBY/ON button with indicator | 11. TV/AUX button |
| 2. DISC DIRECT buttons with indicators | 12. FM MODE/DISP button |
| 3. DVD/VIDEO CD/MP3 CD/audio CD disc tray | 13. OPEN/CLOSE (▲) button |
| 4. Remote Control Sensor | 14. PLAY (▶) button |
| 5. Display | 15. STOP (■) button |
| 6. MASTER VOLUME control | 16. PREV (◀◀) button |
| 7. SURROUND button | 17. NEXT (▶▶) button |
| 8. DVD button | 18. DISC CHANGE button |
| 9. TUNER button | 19. PHONES jack |
| 10. VIDEO button | |

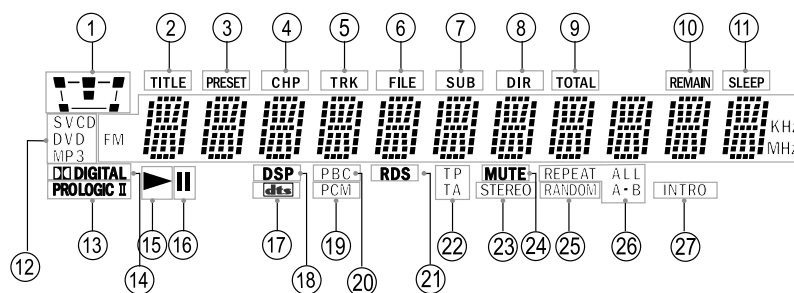
3. Location of Users Controls

● Rear Panel



- | | |
|--|-----------------------------------|
| 1. FM ANTENNA connector | 10. CENTER speaker connector |
| 2. COMPONENT VIDEO OUTPUT jacks or SCART jacks(Optional) | 11. FRONT RIGHT speaker connector |
| 3. S VIDEO MONITOR OUT jacks | 12. REAR RIGHT speaker connector |
| 4. TV/AUX IN jacks | 13. WOOFER speaker connector |
| 5. VIDEO (IN) jacks | 14. REAR LEFT speaker connector |
| 6. VIDEO (OUT) jack | 15. FRONT LEFT speaker connector |
| 7. OPTICAL OUTPUT jacks | 16. SUBWOOFER output jacks |
| 8. OPTICAL INPUT jacks(Optional) | 17. MONITOR OUT jacks |
| 9. Power cord | 18. COAXIAL IN jacks(Optional) |

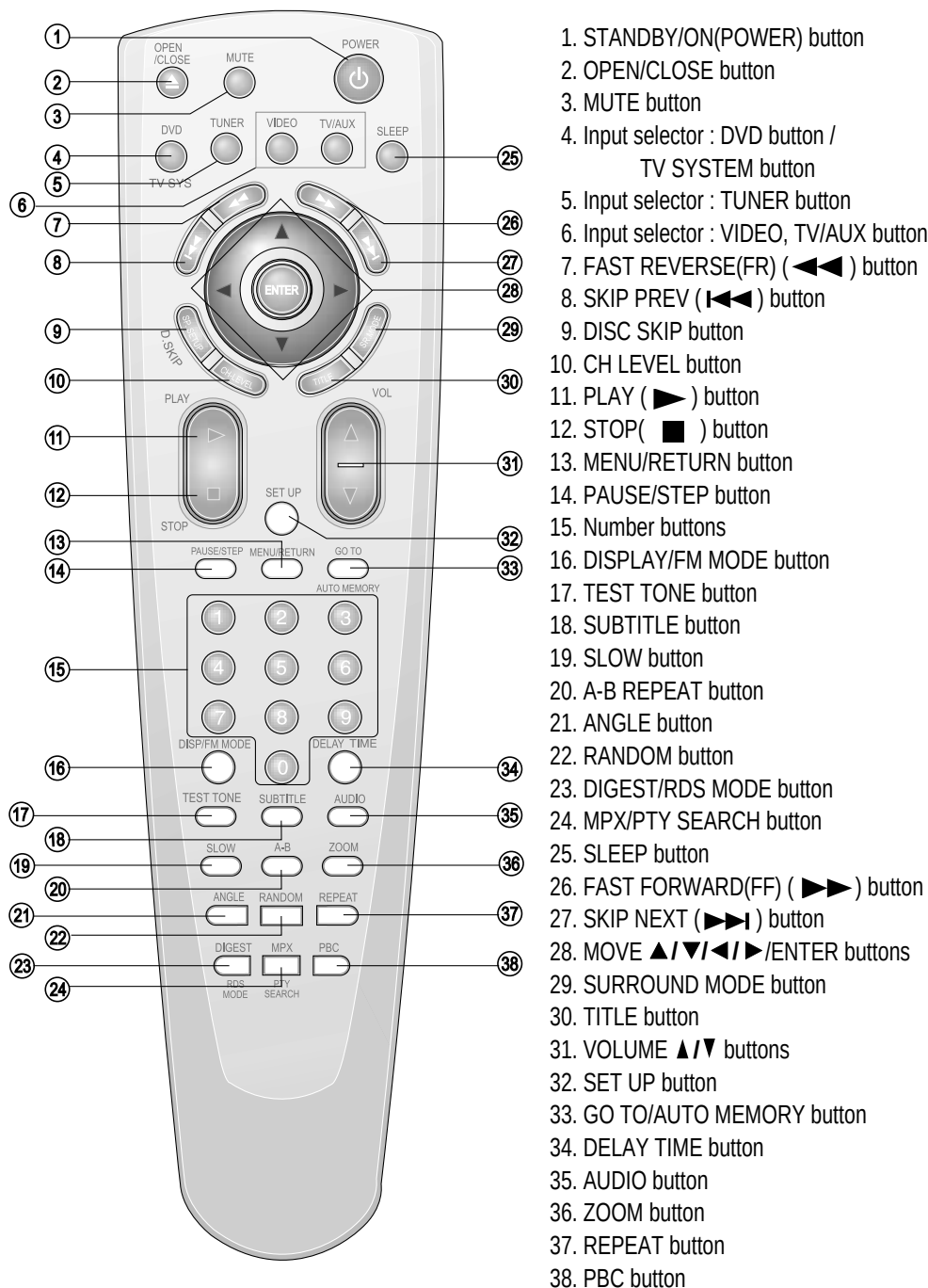
● Display



- | | |
|------------------------------------|-------------------------------------|
| 1. SPEAKER CONFIGURATION indicator | 15. PLAY indicator |
| 2. TITLE indicator | 16. PAUSE indicator |
| 3. PRESET indicator | 17. DTS indicator |
| 4. CHAPTER indicator | 18. DSP indicator |
| 5. TRACK indicator | 19. PCM indicator |
| 6. FILE indicator | 20. PBC(Playback Control) indicator |
| 7. SUB indicator | 21. RDS indicator |
| 8. DIR indicator | 22. TA/TP indicator |
| 9. TOTAL indicator | 23. STEREO indicator |
| 10. REMAIN indicator | 24. MUTE indicator |
| 11. SLEEP indicator | 25. RANDOM indicator |
| 12. SOURCE indicator | 26. REPEAT indicator |
| 13. Pro Logic II indicator | 27. INTRO indicator |
| 14. DOLBY DIGITAL indicator | |

3. Location of Users Controls

● Remote Controller



4. Connecting to Equipment

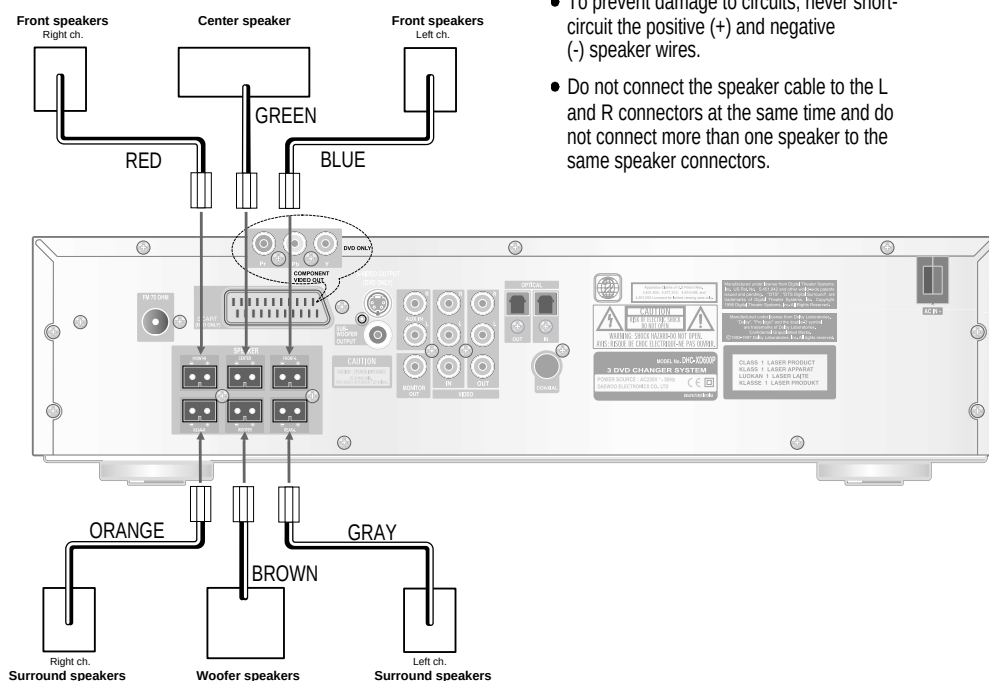
● Connecting to Speaker

◆ Before connecting

- This machine is designed to reproduce optimum sound quality when speakers with the specified impedance below are connected. Please check the following information and choose speakers with appropriate impedance for the connections.

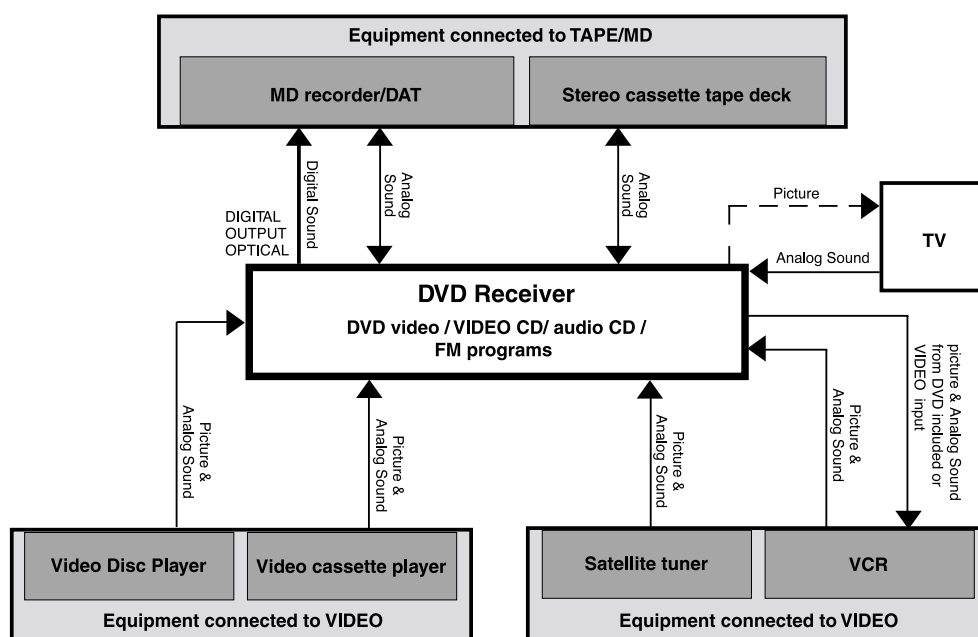
Front speakers / Center speaker / Surround Speakers : 6 ohms min. per speaker

Woofer speaker : 6 ohm min



- To prevent damage to circuits, never short-circuit the positive (+) and negative (-) speaker wires.
- Do not connect the speaker cable to the L and R connectors at the same time and do not connect more than one speaker to the same speaker connectors.

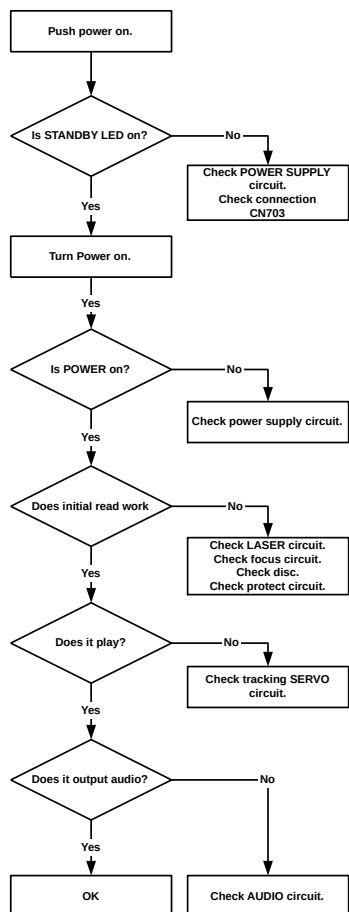
● Connecting to Recording Equipment



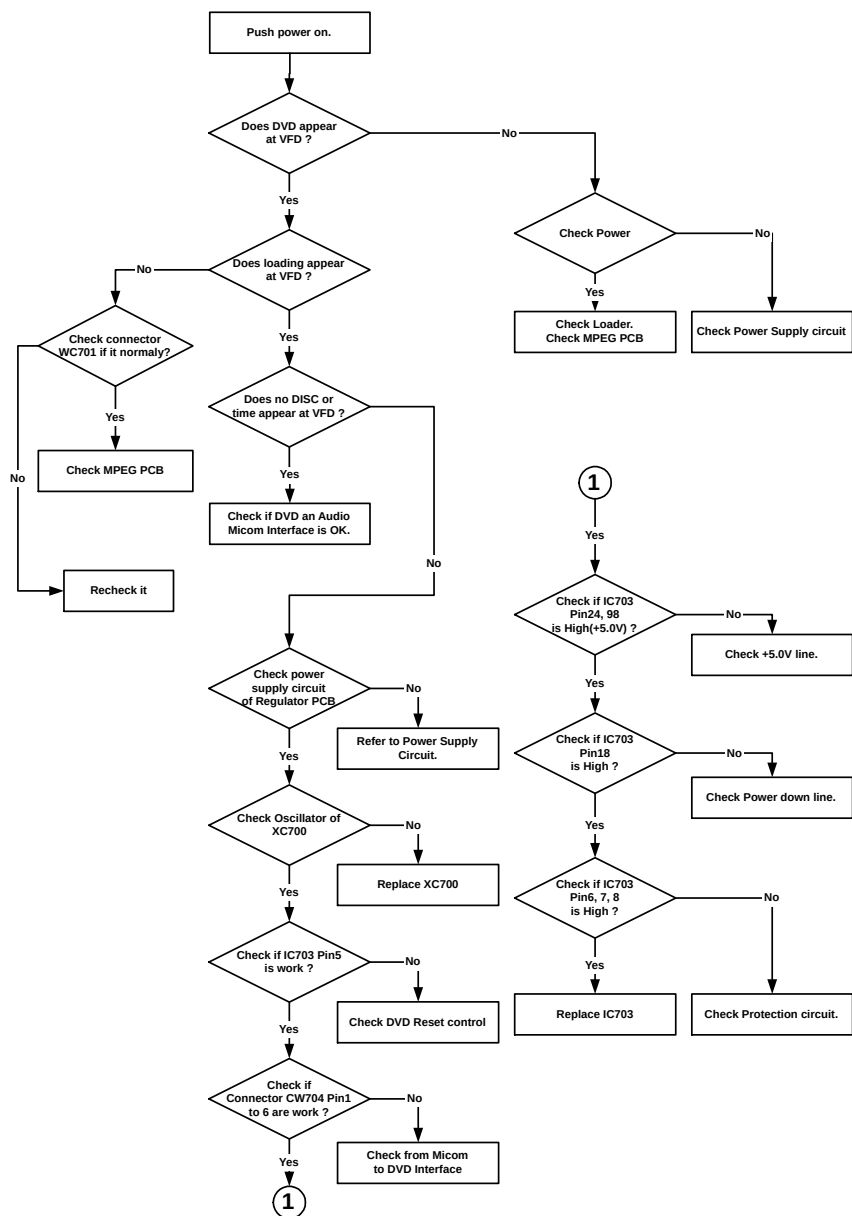
5. Trouble Shooting Guide

● Audio Part

1. Basic Operating

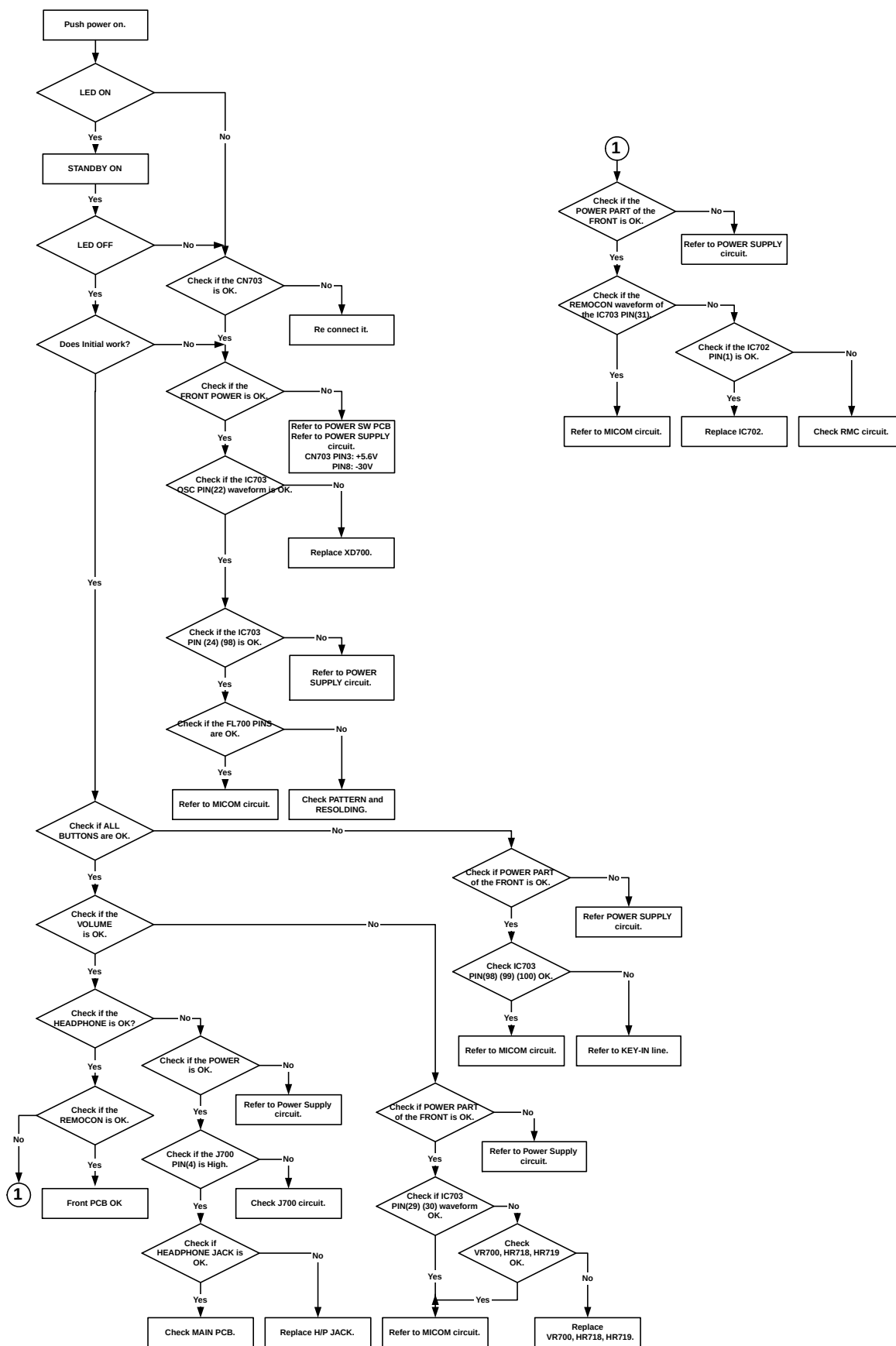


2. Front Micom Circuit



5. Trouble Shooting Guide

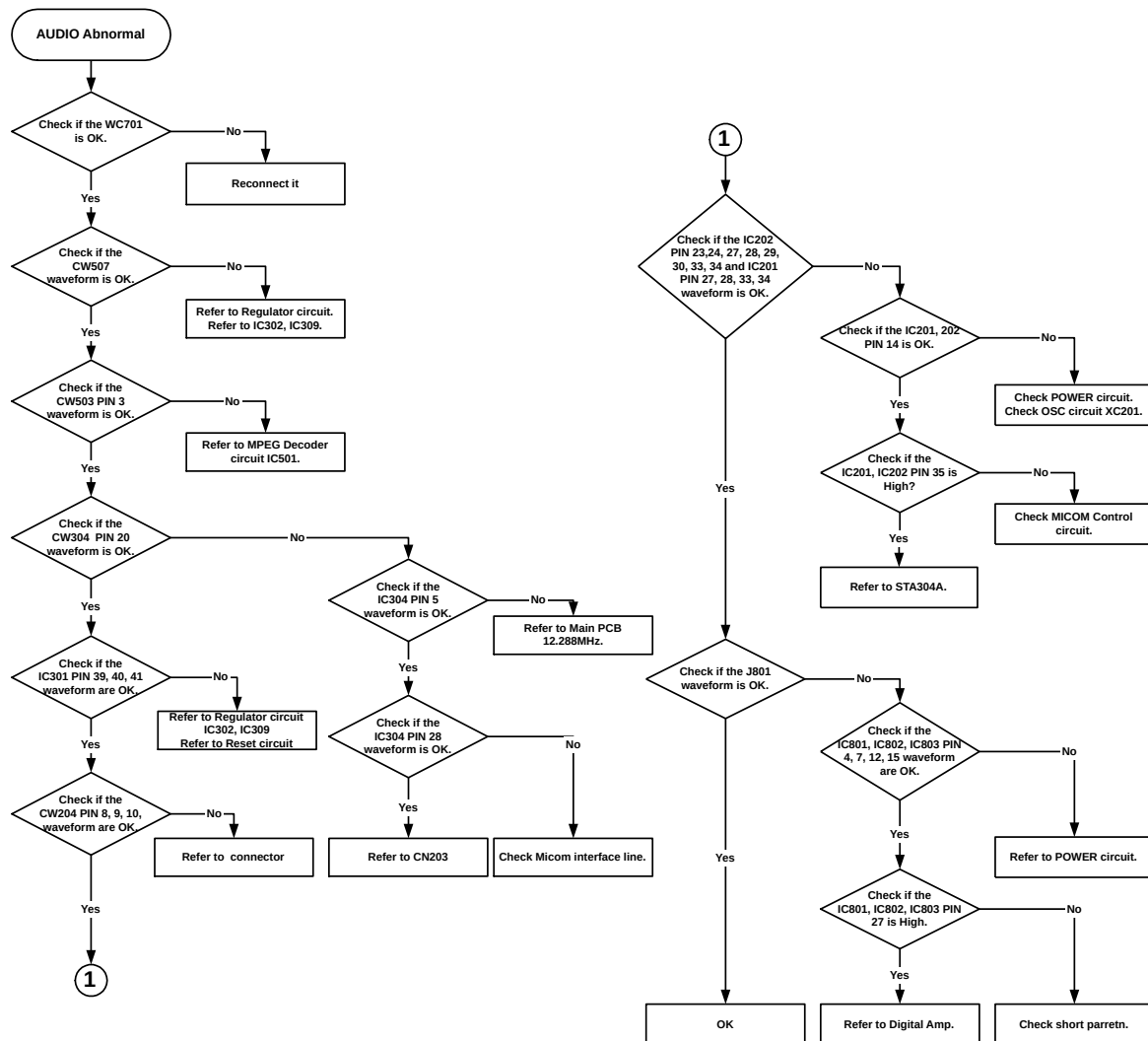
● Front Circuit



5. Trouble Shooting Guide

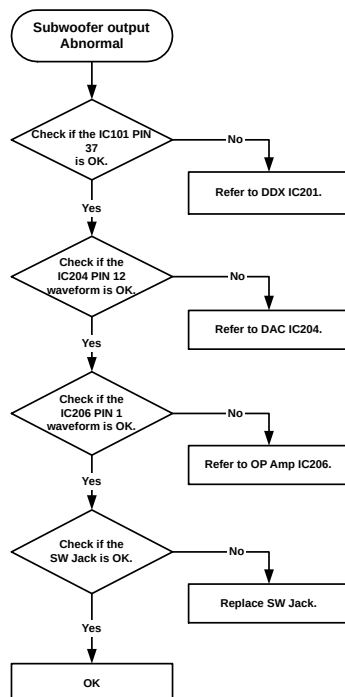
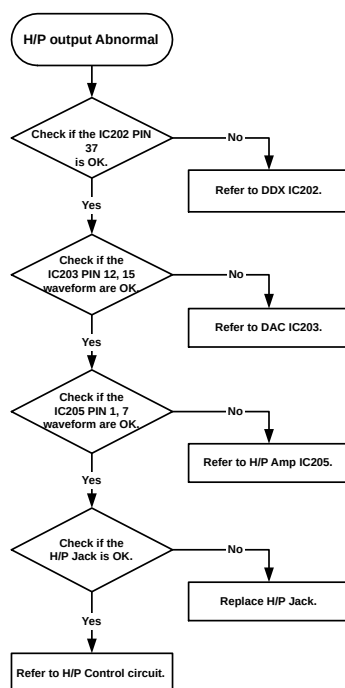
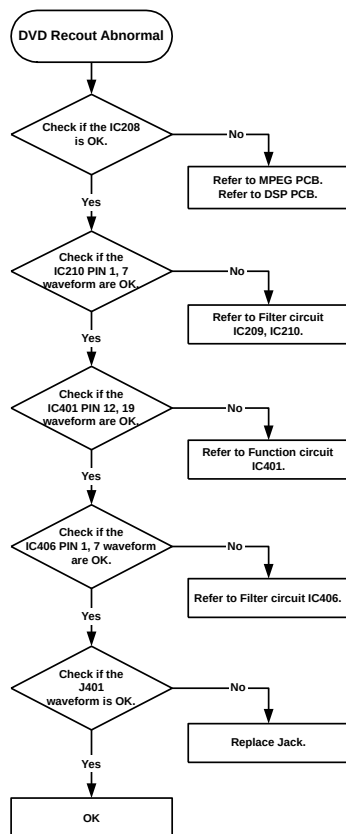
● Audio Part

1. DVD Abnormal



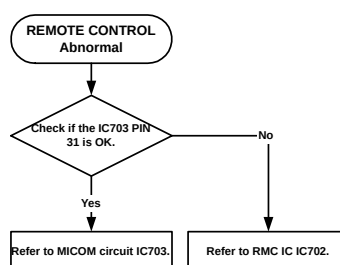
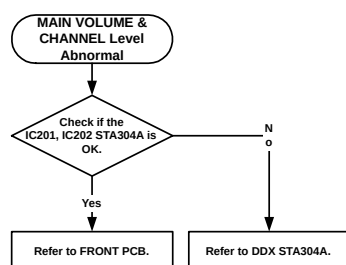
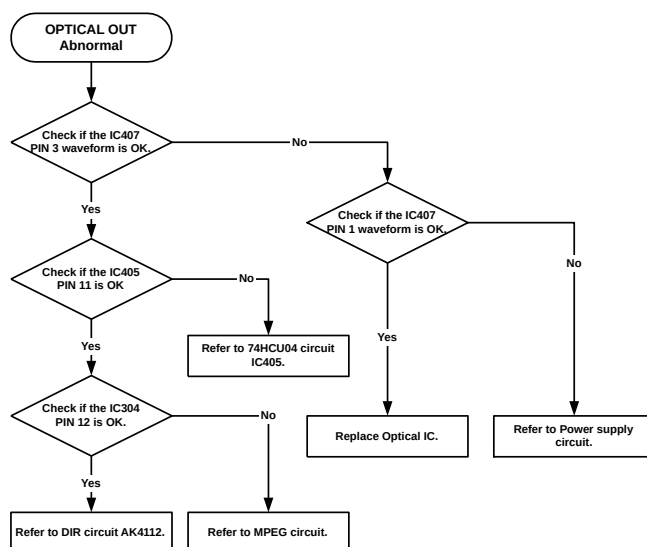
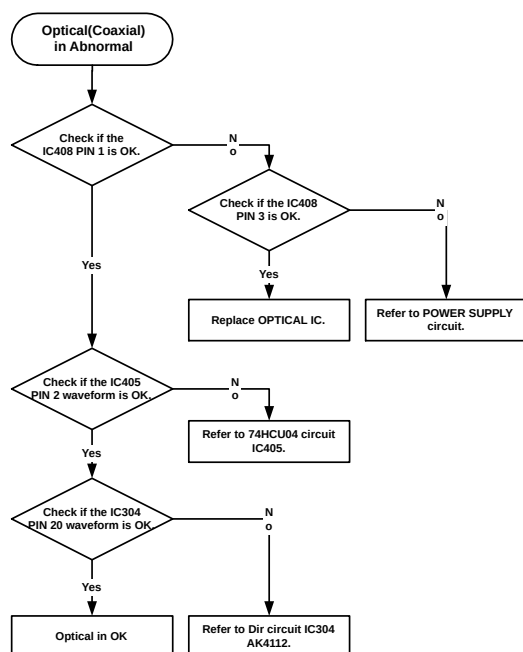
5. Trouble Shooting Guide

● Audio Part



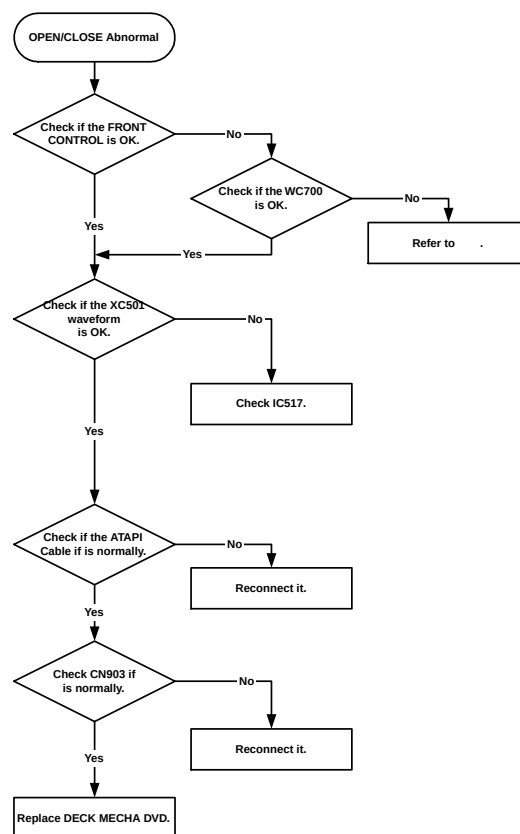
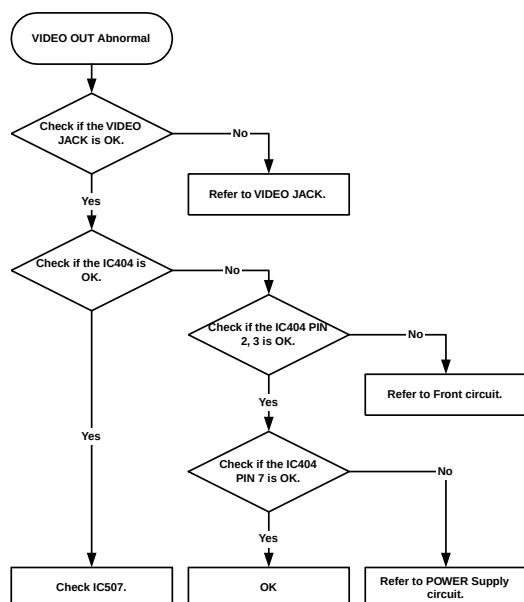
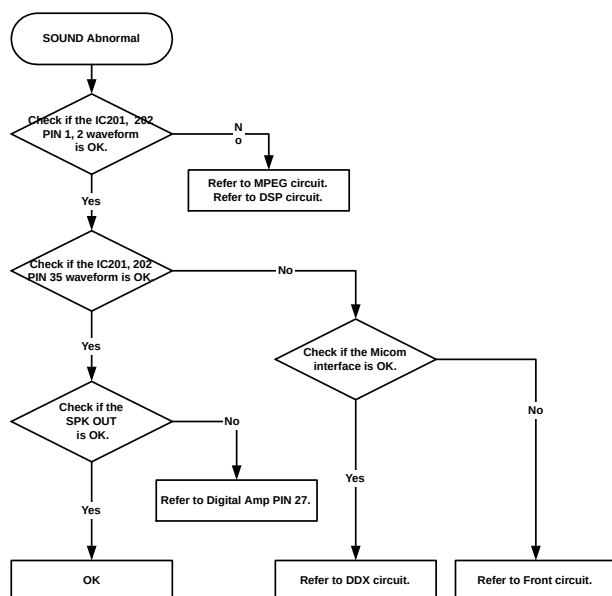
5. Trouble Shooting Guide

● Audio Part



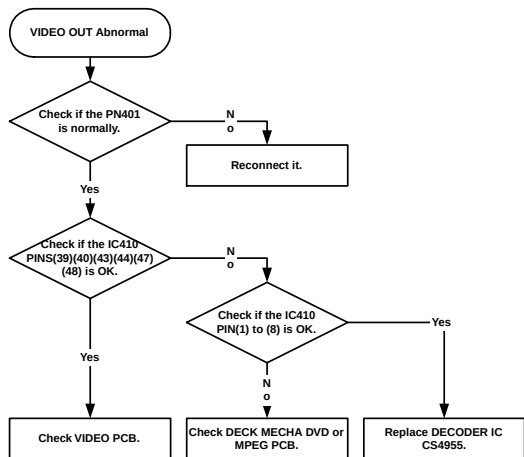
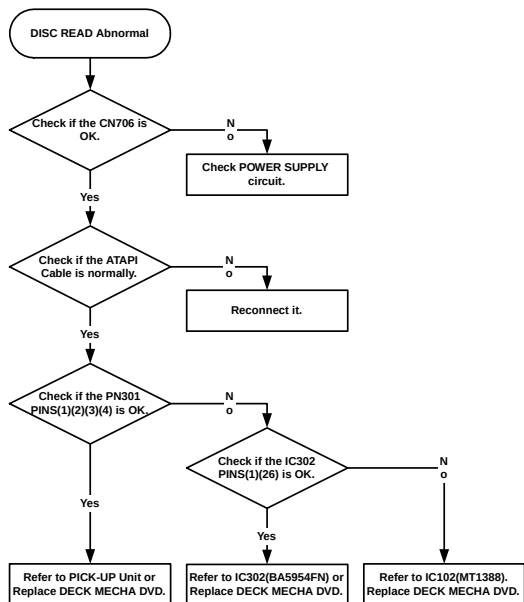
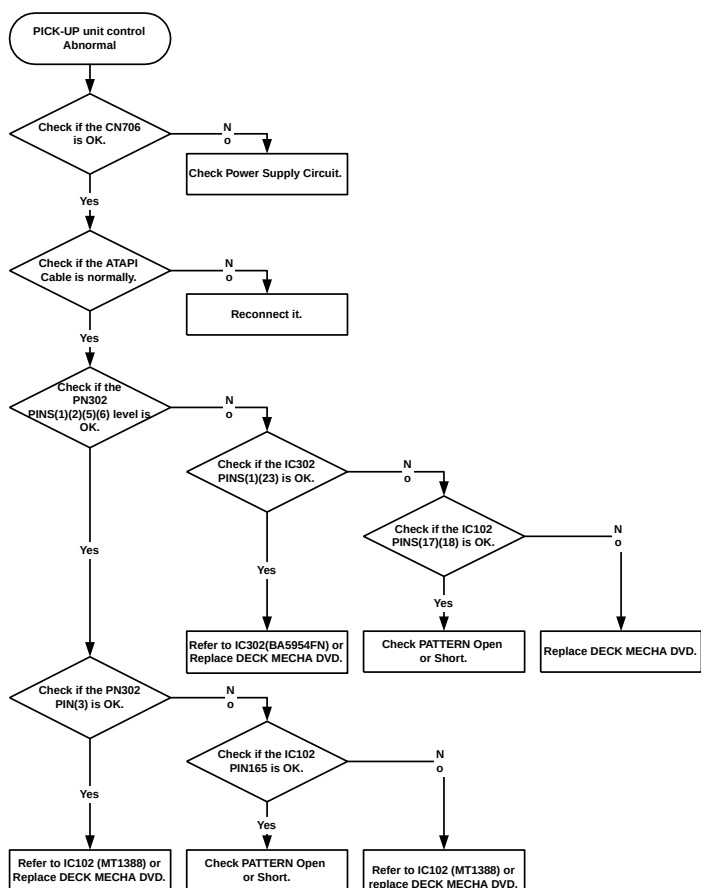
5. Trouble Shooting Guide

● Audio Part



5. Trouble Shooting Guide

● Audio Part



6. DVD Program Download Method

INSERT THE UPDATE DISC INTO THE DISC TRAY, THEN THE DVD RECEIVER READS THE DISC AND UPDATE THE FIRMWARE ITSELF AS FOLLOWINGS.

@ INSERT THE UPDATE DISC.

NO	STATUS	VFD	MONITOR	SET CONDITION
1	STARTING UPDATE	LOADING	LOADING	DOOR CLOSE
2	DETECT THE UPDATE DISC	STOP MP3	BANK30_3d.ROM or ES6028.ROM	DOOR CLOSE
3	READ THE DISC	STOP MP3	WRITING	DOOR CLOSE
4	COMPLETED THE READ	STOP MP3	DONE	DOOR CLOSE
5	COMPLETED THE UPDATE	STOP MP3		DOOR OPEN 1)
6	END	DISPLAY	LOADING	DOOR CLOSE : 1) 4 SEC

NOTE :

- 1) AFTER DOOR OPEN, EJECT THE UPDATE DISC.
- 2) AFTER COMPLETED, POWER OUT AND IN AGAIN.

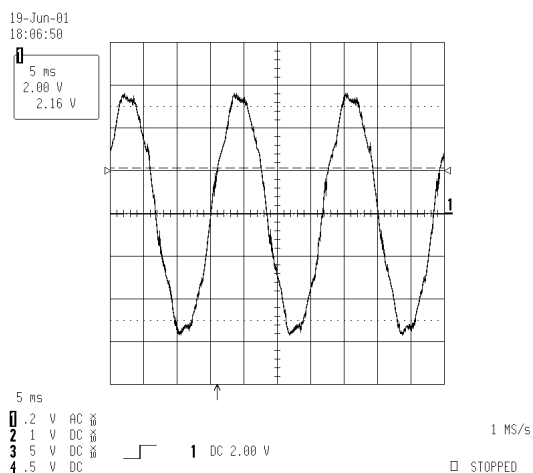
CAUTION :

WHILE DOOR OPEN, IF CD DOOR IS CLOSED BY TOUCH, OR POWER BUTTON IS PRESSED THEN FLASH MEMORY WILL BE ERASED.

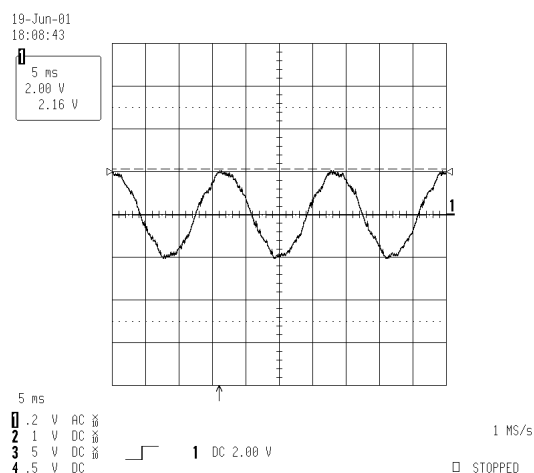
7. Waveforms of Major Check Method

※ TEST POINT : DVD TEST DISC “MDVD-W111 TRACK2 COLOR BAR”

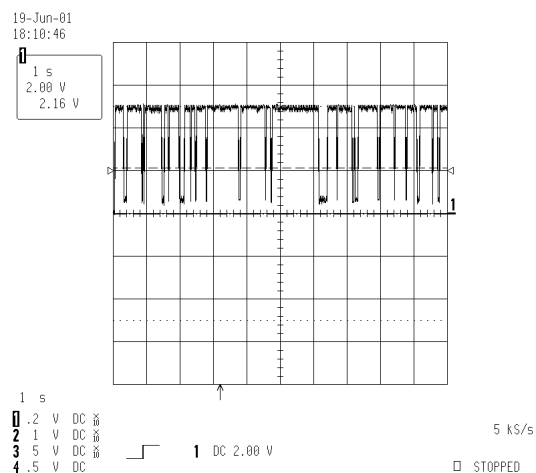
● Audio Out Signal Waveform



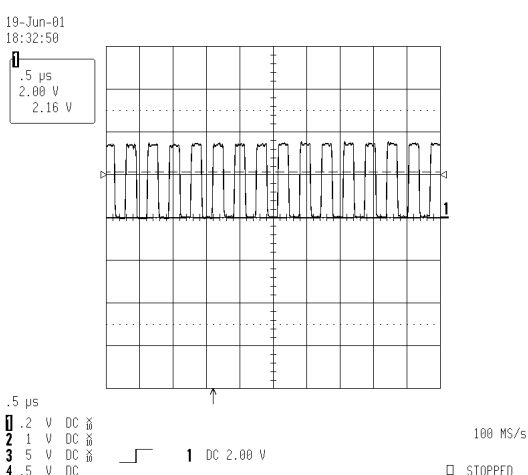
● DAC Output Signal Waveform



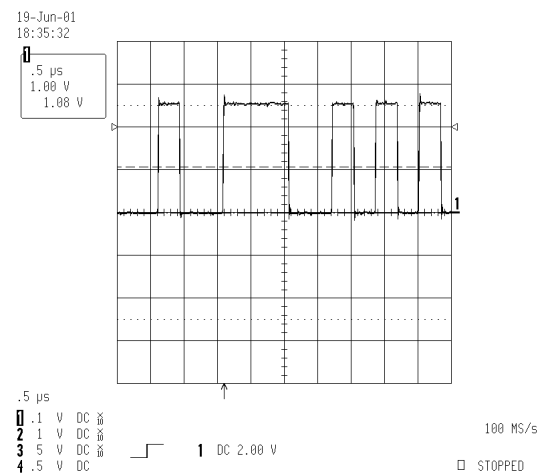
● Optical Output Audio Data Signal waveform



● L/R Clock Data Waveform During Normal Play



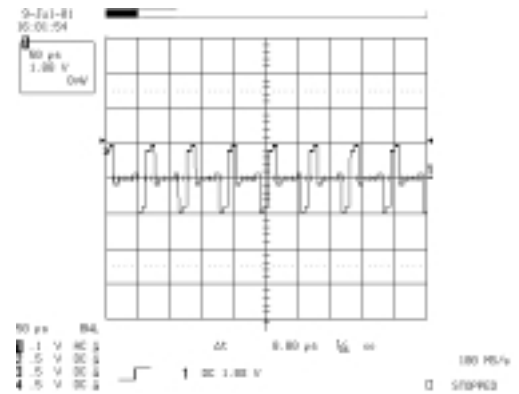
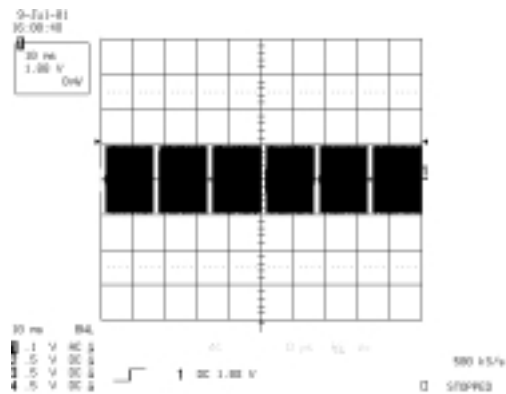
● Serial Data Output Waveform During Normal Play



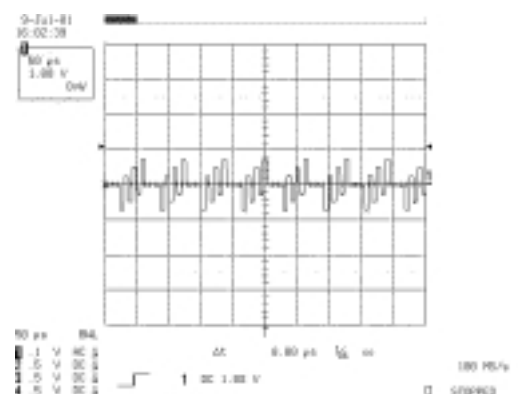
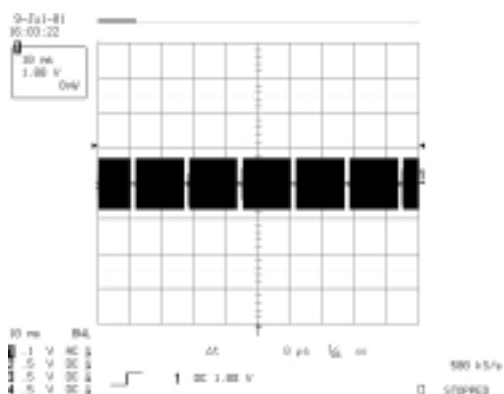
7. Waveforms of Major Check Method

※ TEST POINT : DVD TEST DISC “MDVD-W111 TRACK2 COLOR BAR”

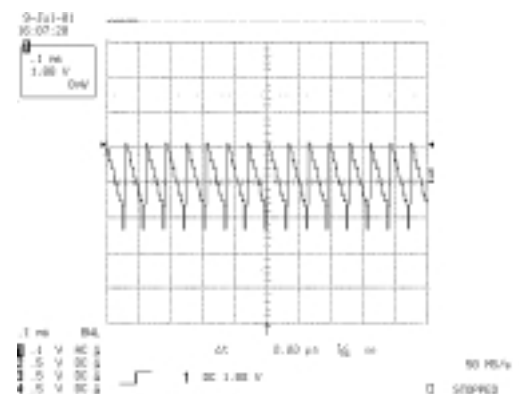
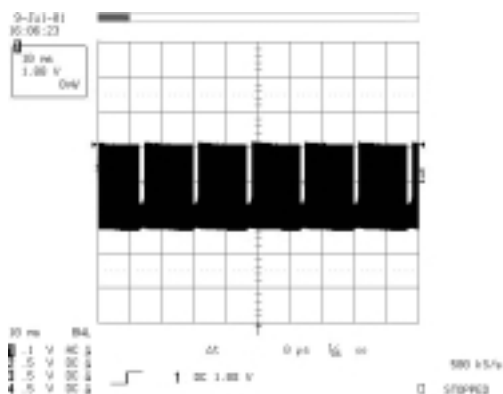
● Pr Output Data Waveform in Component Output



● Pb Output Data Waveform in Component Output

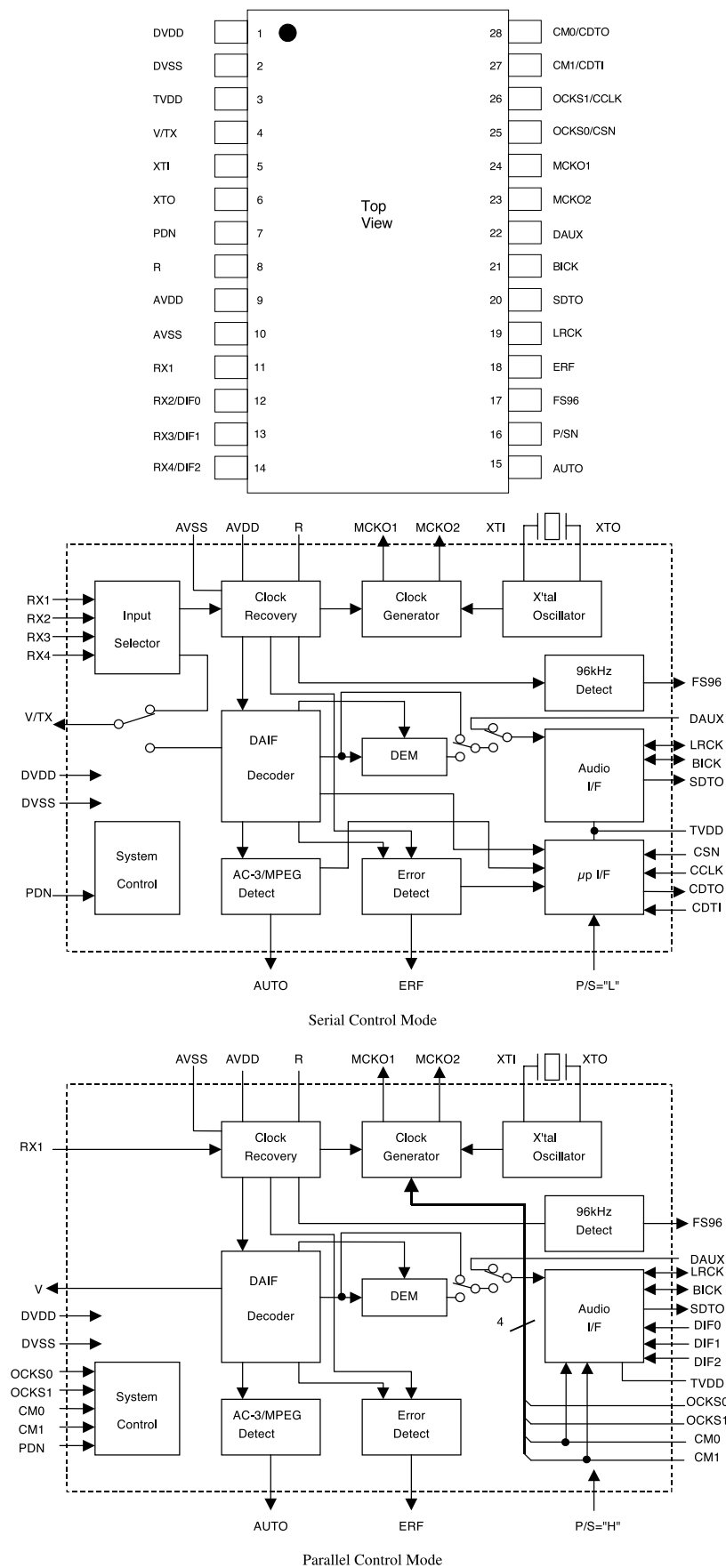


● Y Output Data Waveform in Component Output



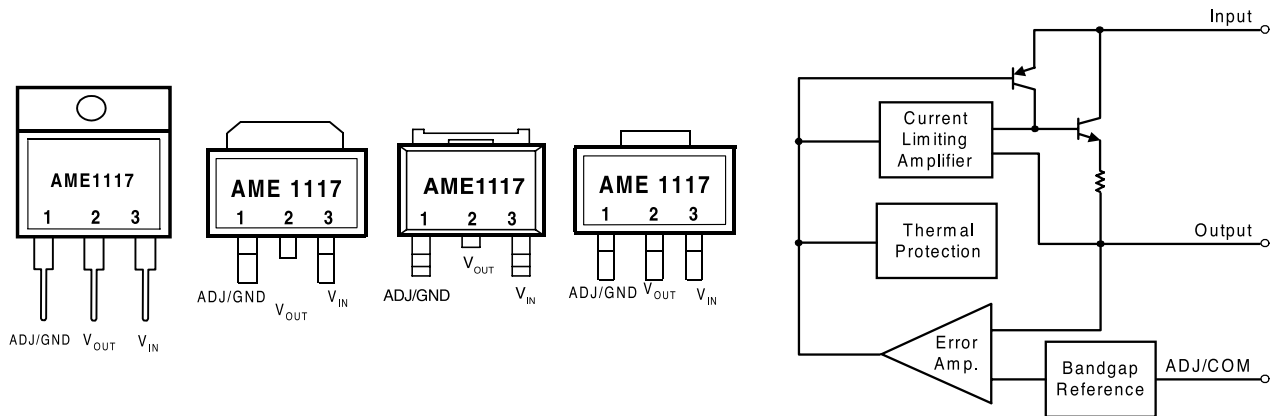
8. Internal Block Diagram of ICs

● AK-4112A

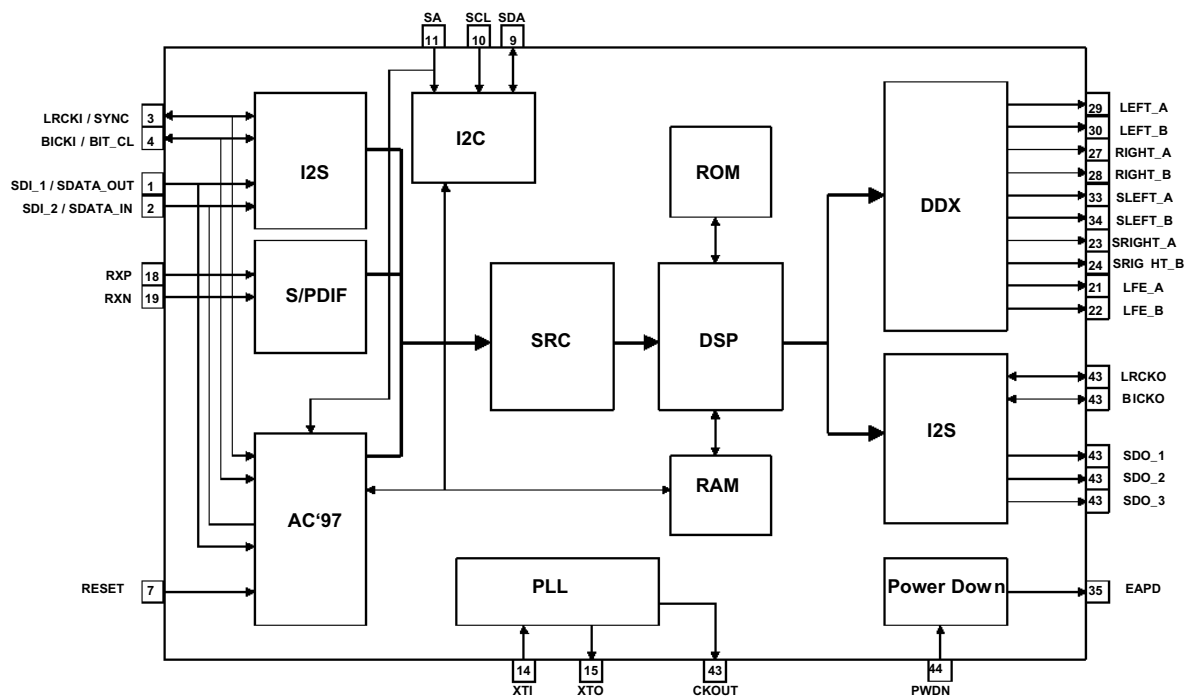


8. Internal Block Diagram of ICs

● AME1117

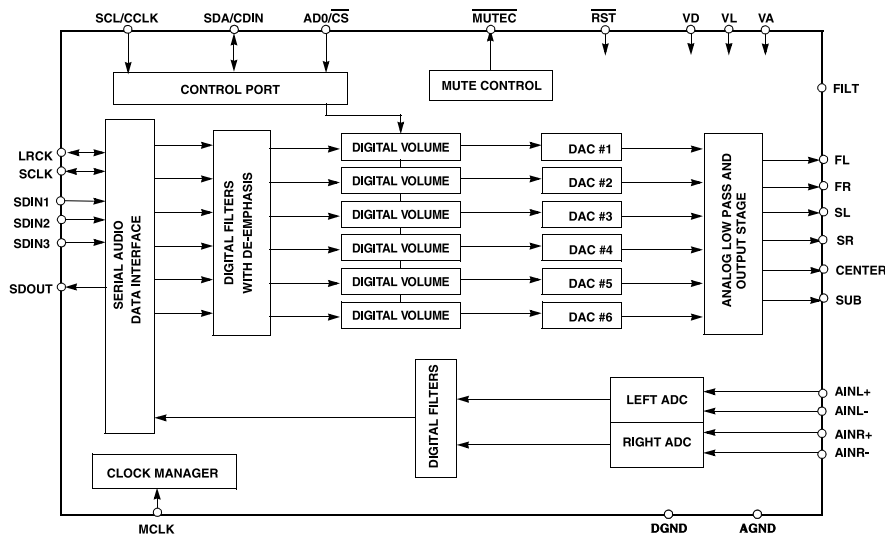


● STA304A



8. Internal Block Diagram of ICs

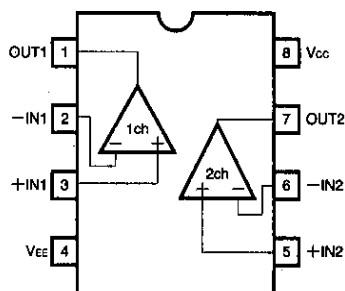
● CS4228A



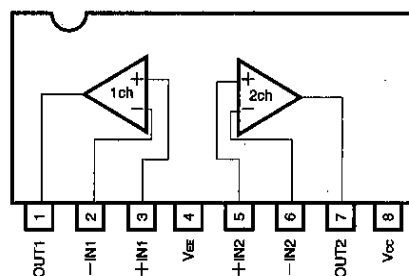
Serial Audio Data In 3	SDIN3	1	28	SUB	Analog Out #6, Subwoofer
Serial Audio Data In 2	SDIN2	2	27	CENTER	Analog Out #5, Center
Serial Audio Data In 1	SDIN1	3	26	SR	Analog Out #4, Surround Right
Serial Audio Data Out	SDOUT	4	25	SL	Analog Out #3, Surround Left
Serial Clock	SCLK	5	24	FR	Analog Out #2, Front Right
Left/Right Clock	LRCK	6	23	FL	Analog Out #1, Front Left
Digital Ground	DGND	7	22	AGND	Analog Ground
Digital Power	VD	8	21	VA	Analog Power
Digital Interface Power	VL	9	20	AINL+	Left Channel Analog Input+
Master Clock	MCLK	10	19	AINL-	Left Channel Analog Input-
SCL/CCLK	SCL/CCLK	11	18	FILT	Internal Voltage Filter
SDA/CDIN	SDA/CDIN	12	17	AINR-	Right Channel Analog Input-
AD0/CS	AD0/CS	13	16	AINR+	Right Channel Analog Input+
Reset	RST	14	15	MUTE	Mute Control

● BA4560F

BA4560 / BA4560F

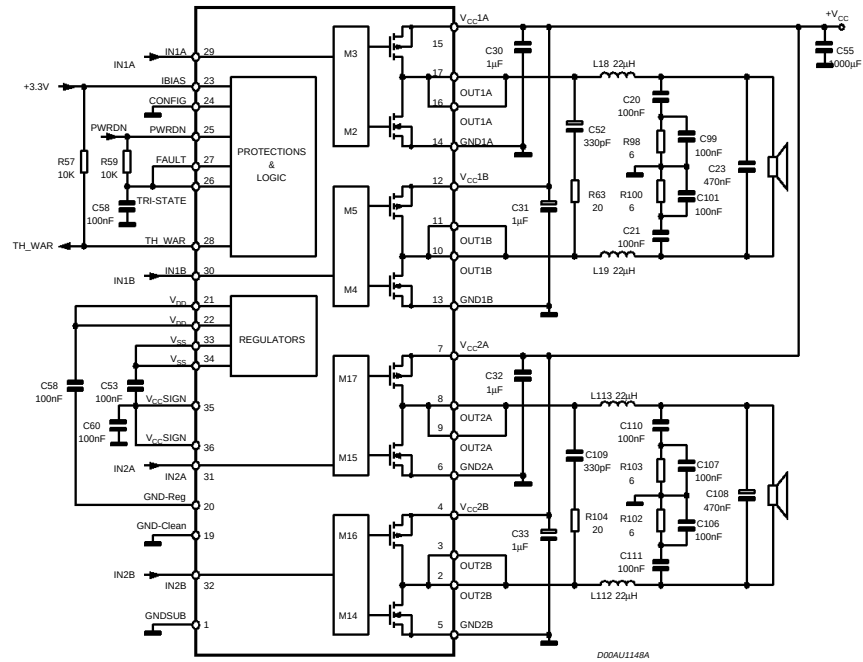


BA4560N



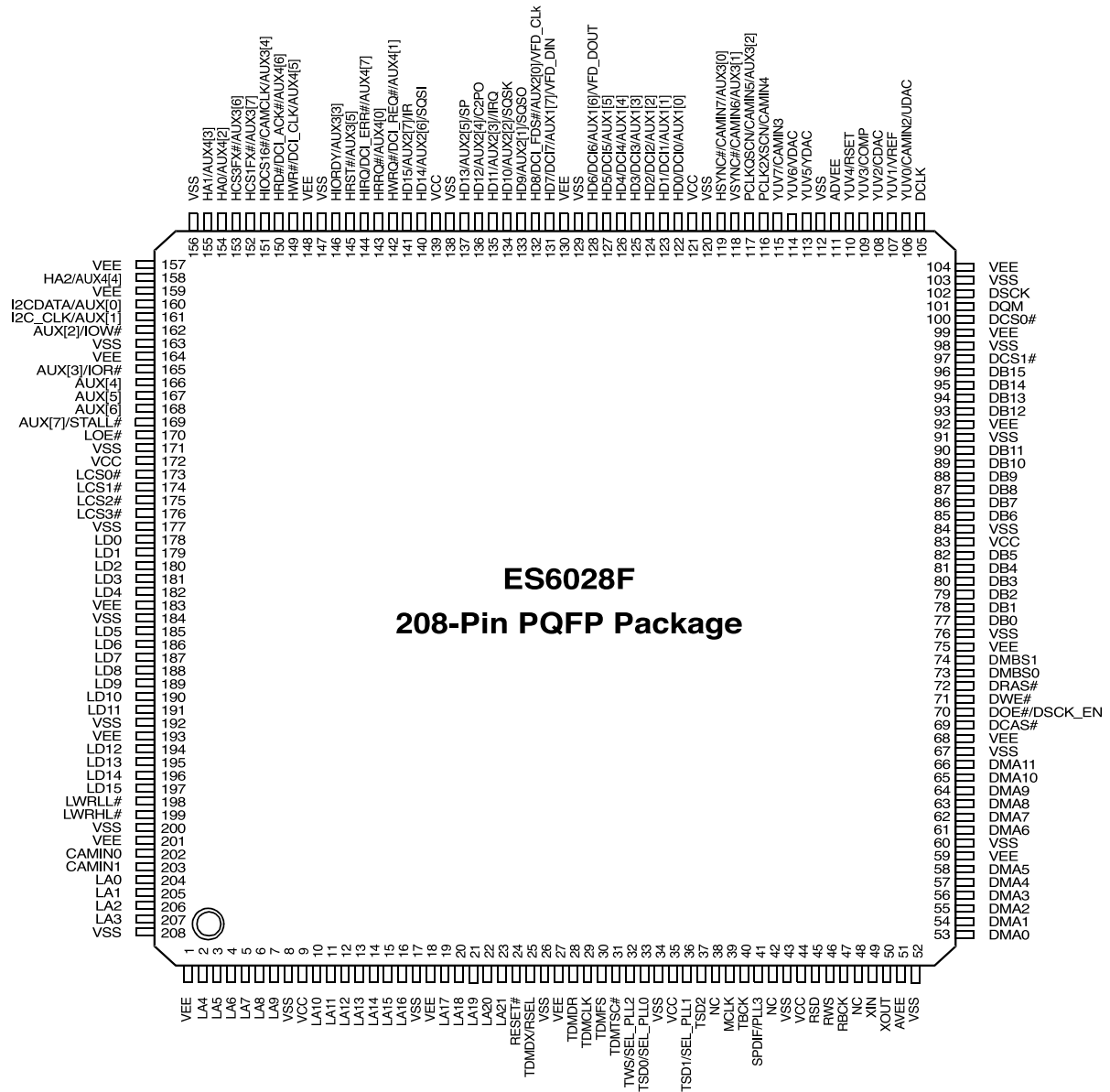
8. Internal Block Diagram of ICs

● STA505

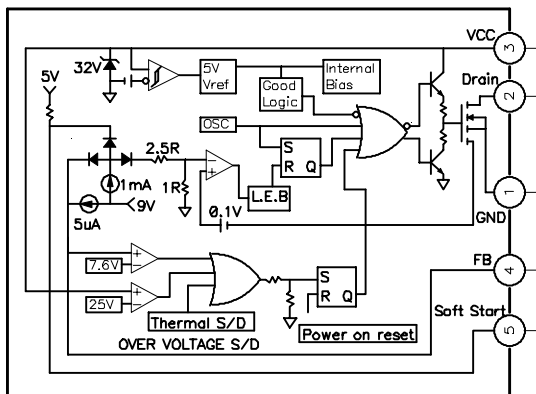


8. Internal Block Diagram of ICs

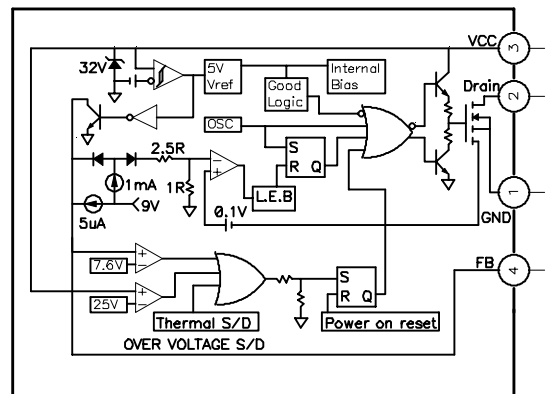
● ES6028(DHC-XD600PS only)



● KA1M1880D

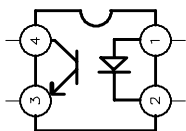


● KA1M0265R



8. Internal Block Diagram of ICs

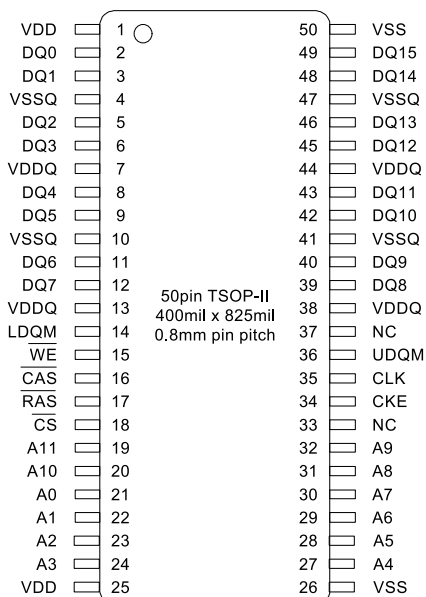
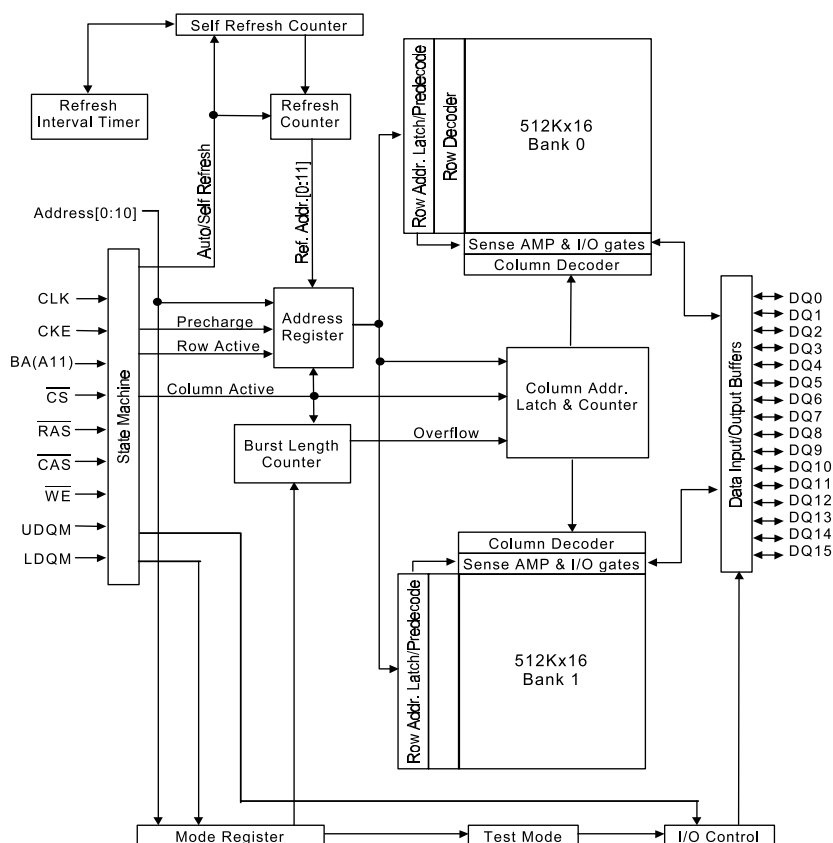
● ET1103



● TL431

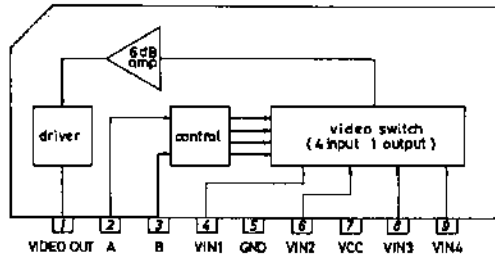


● HY57V161610DTC-8

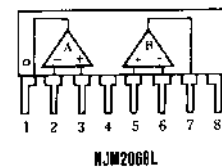
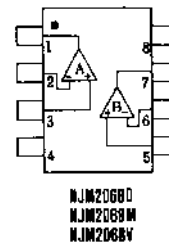
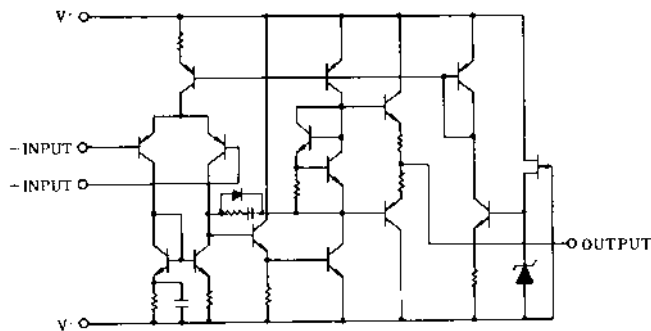


8. Internal Block Diagram of ICs

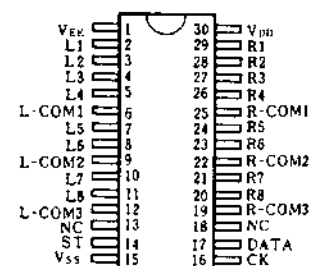
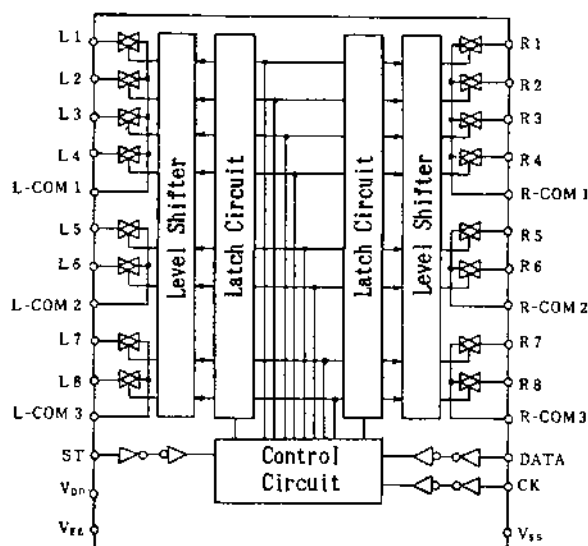
● LA7952



● NJM4558M



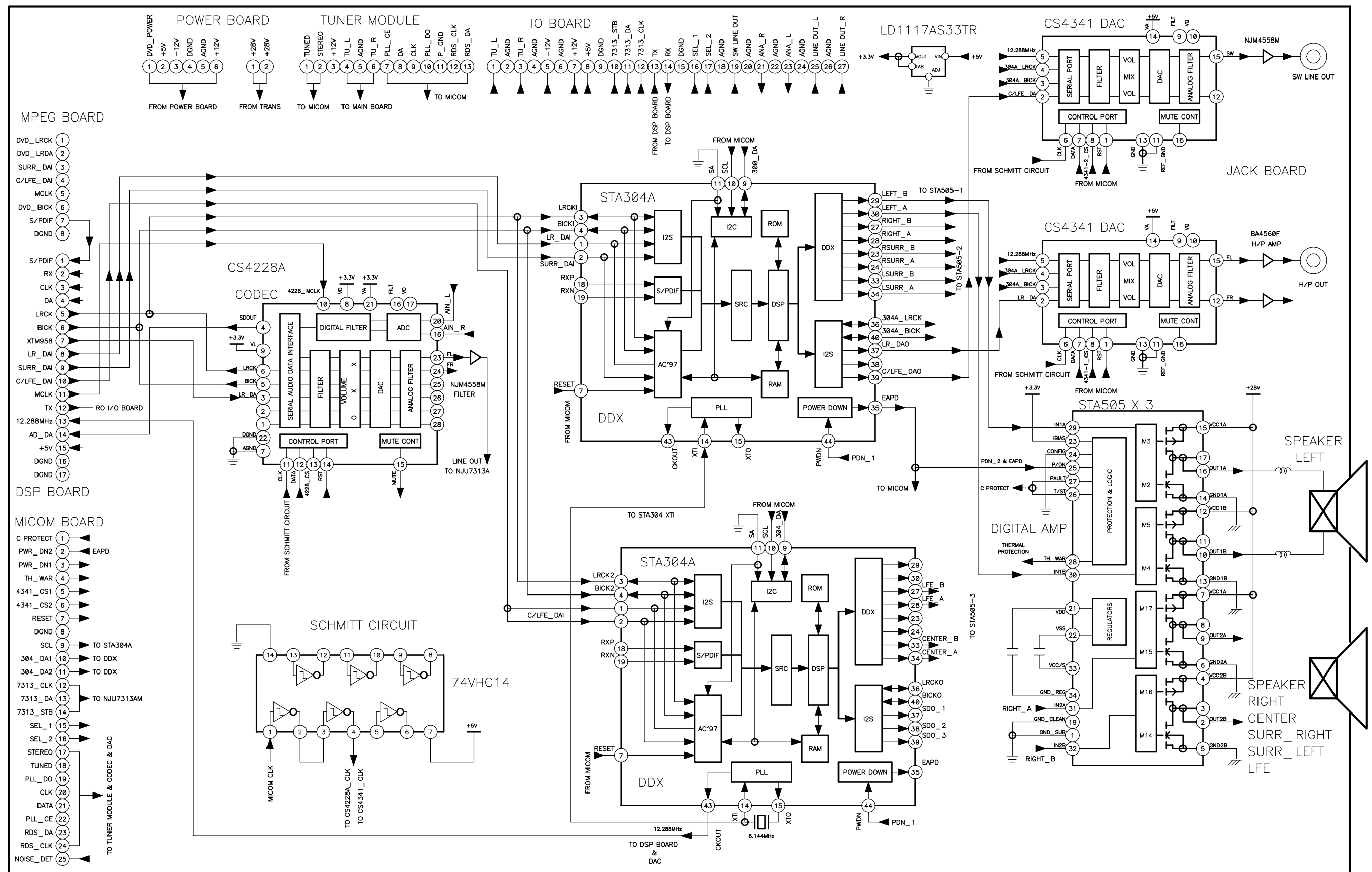
● NJU7313A



NJU7313AM

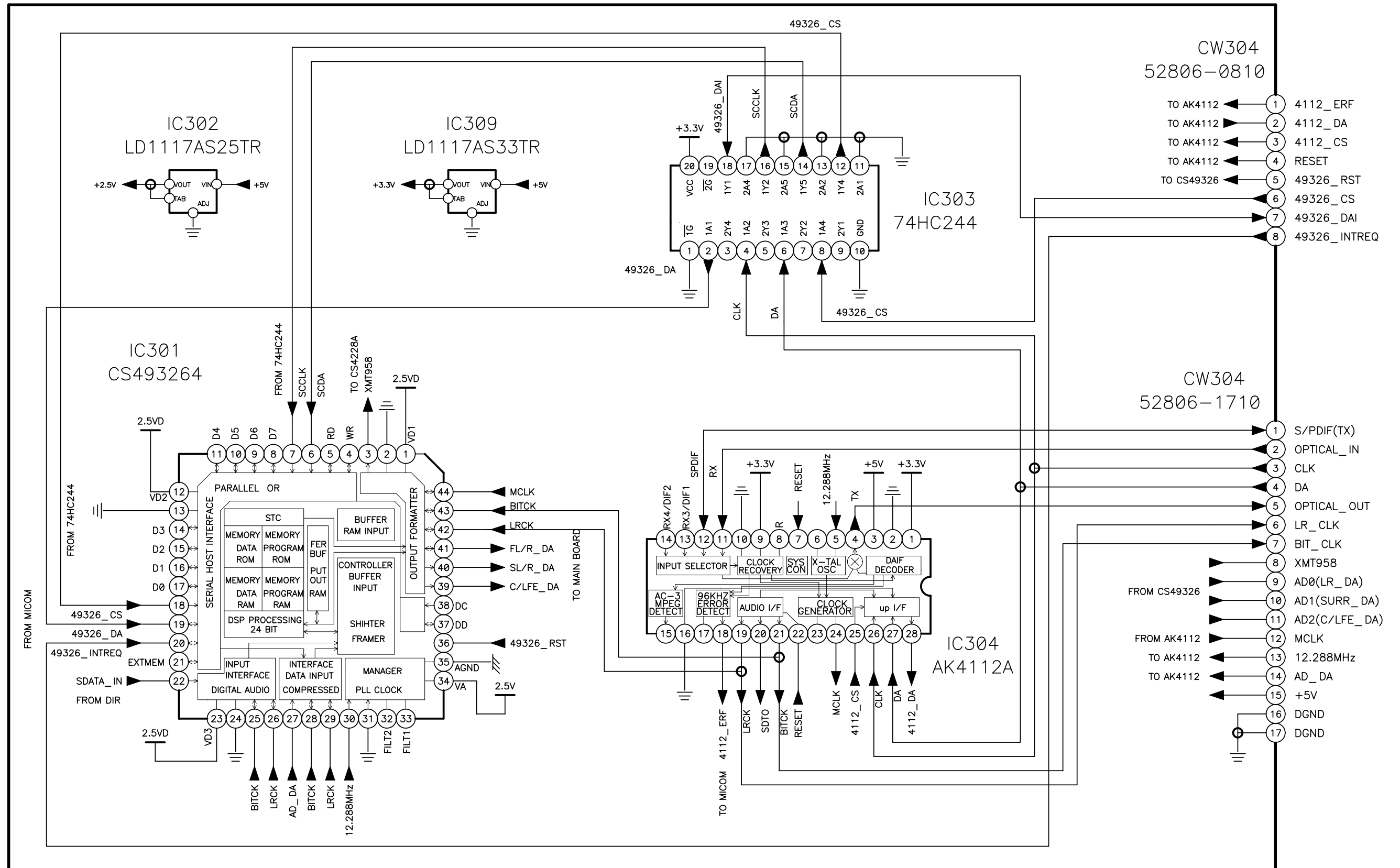
9. Block Diagram

● MAIN BLOCK



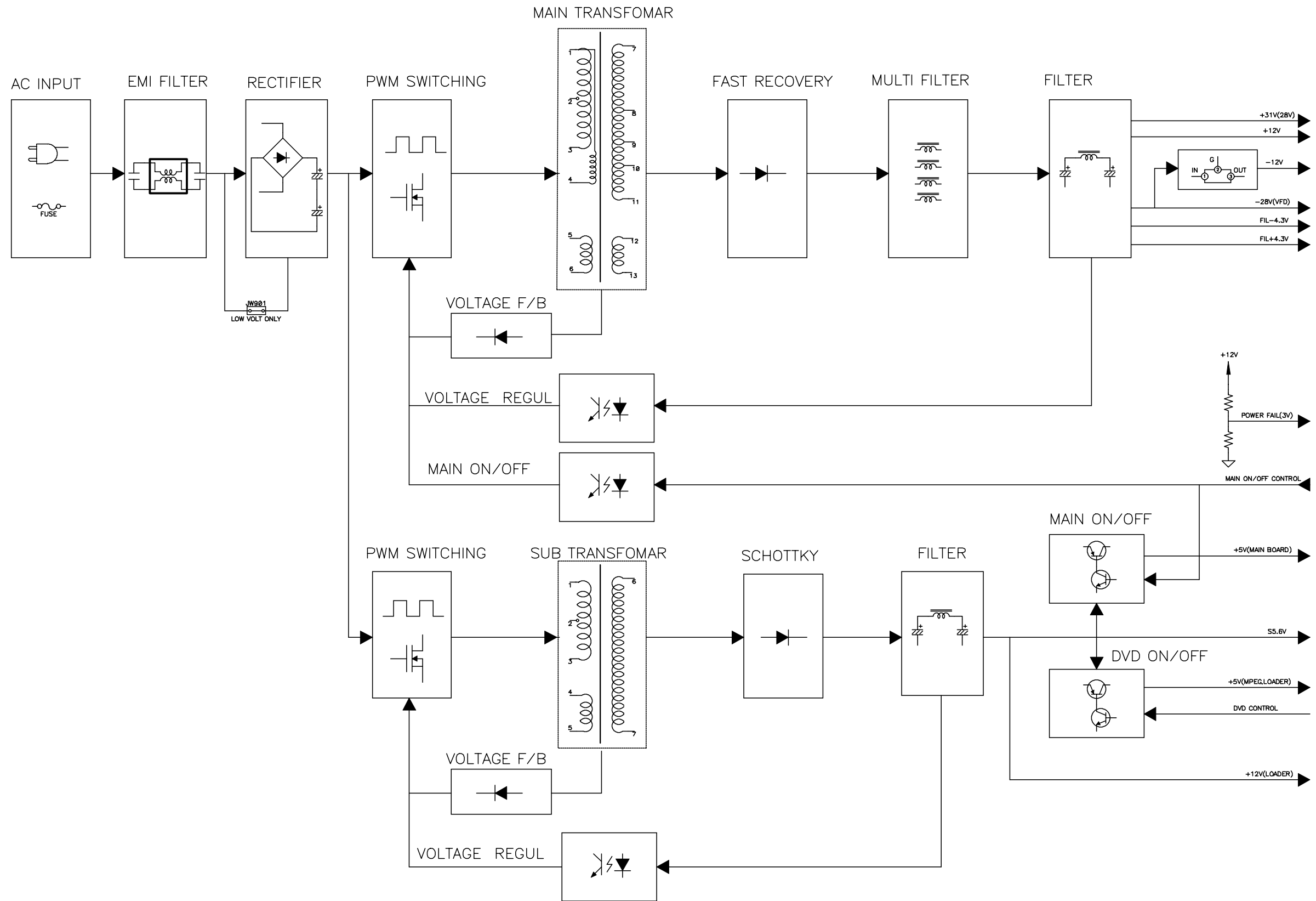
9. Block Diagram

● DSP BLOCK

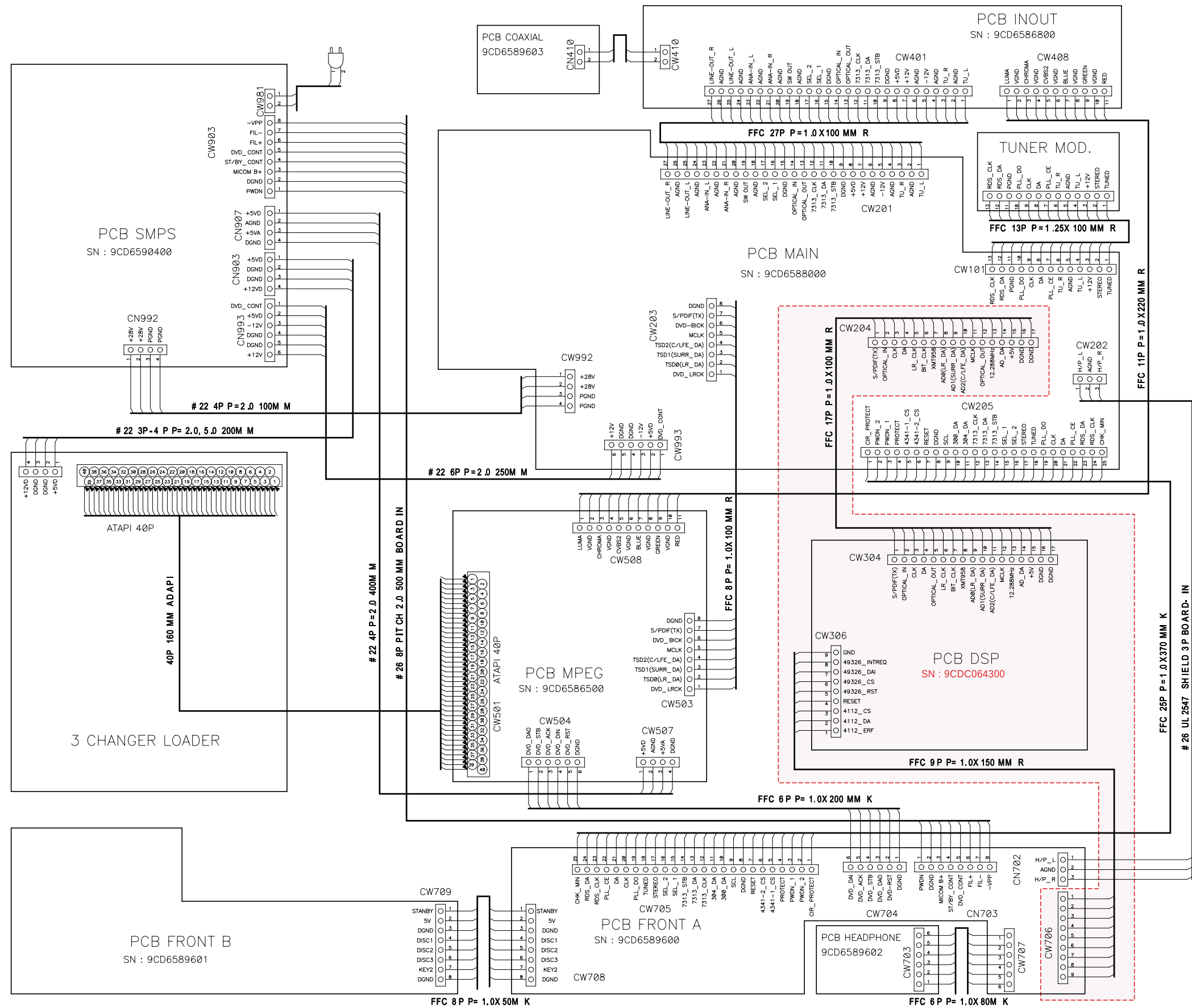


9. Block Diagram

● SMPS BLOCK



10. Wiring Diagram



● FRONT



Version BAND	America 1/12Hz	America 2/12Hz	Eur 2Band /24Hz	Japan /12Hz	Asia 1/12Hz	Asia 2/24Hz	CIS /24Hz	Latin Am /12Hz	Eur Rds 2b/24Hz	America 2/12Hz	Eur 2Band /24Hz	Japan /12Hz	NO TUNER MODE
FM(MHz)/Step	FM 87.5-108/100	FM 87.5-108.1/200	FM 87.5-108/50	FM 76-108/100	FM 87.5-108/100	FM 87.5-108/100	FM L65-71/10	FM 87.5-108/100	FM 87.5-108/50	FM 87.5-108.1/200	FM 87.5-108/50	FM 76-108/100	
FM(MHz)/Step							FM H:87.5-108/50						
MW(kHz)/Step	AM 530-1710/10	AM 530-1710/10	MW 522-1620/9	AM 522-1620/9	AM 522-1620/9	AM 522-1620/9	AM 522-1620/9	AM 530-1620/10	MW 522-1620/9				
LW(kHz)/Step													
HR734	Jump	330	1.2K	1.8K	2.7K	3.9K	6.8K	10K	22K	27K	33K	47K	68K

● MPEG DECODER : XD600P Only



● MPEG DECODER : XD600PS Only



● MPEG OUTPUT

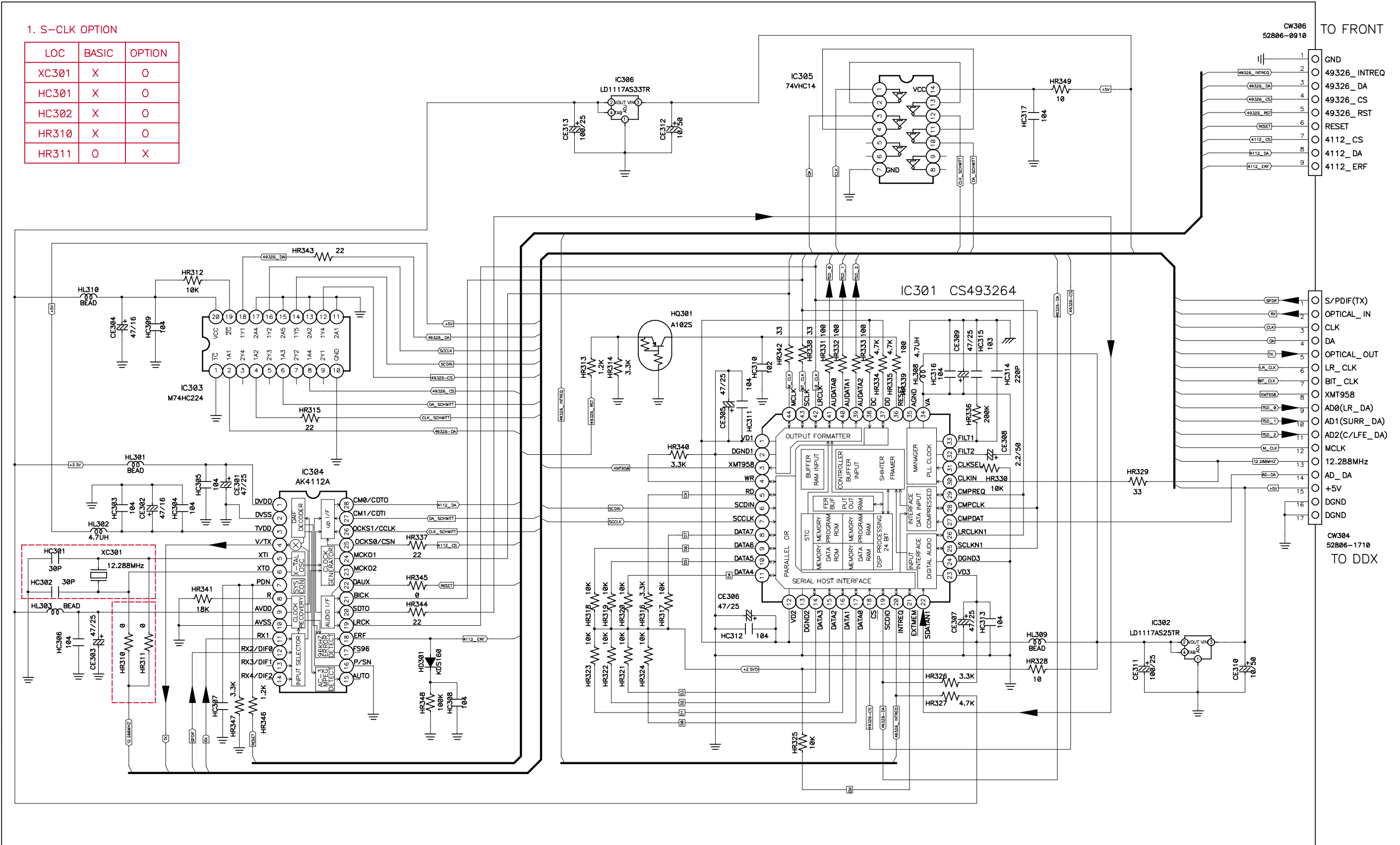


11. Schematic Diagram

● DSP

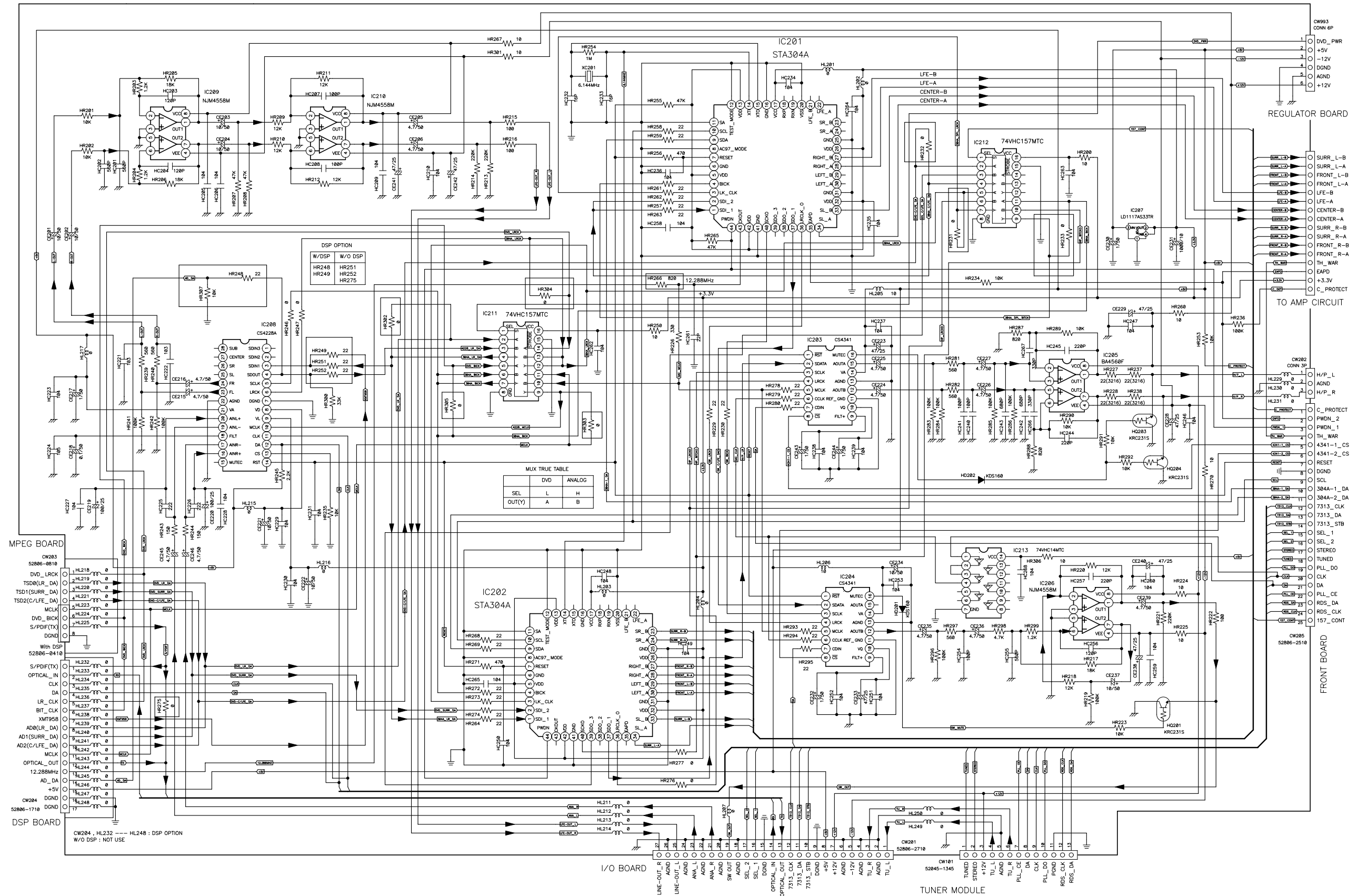
1. S-CLK OPTION

LOC	BASIC	OPTION
XC301	X	O
HC301	X	O
HC302	X	O
HR310	X	O
HR311	O	X



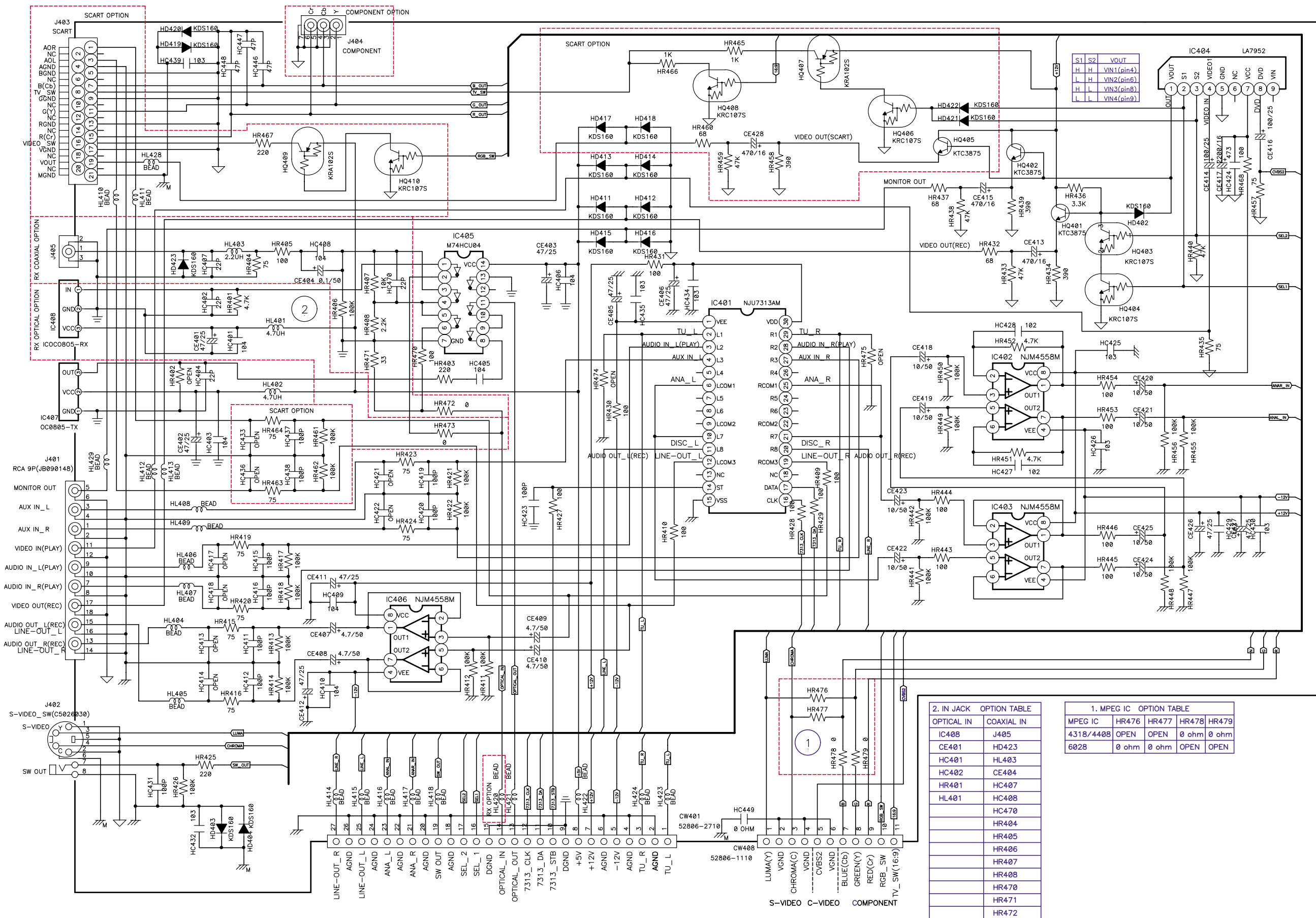
11. Schematic Diagram

DDX



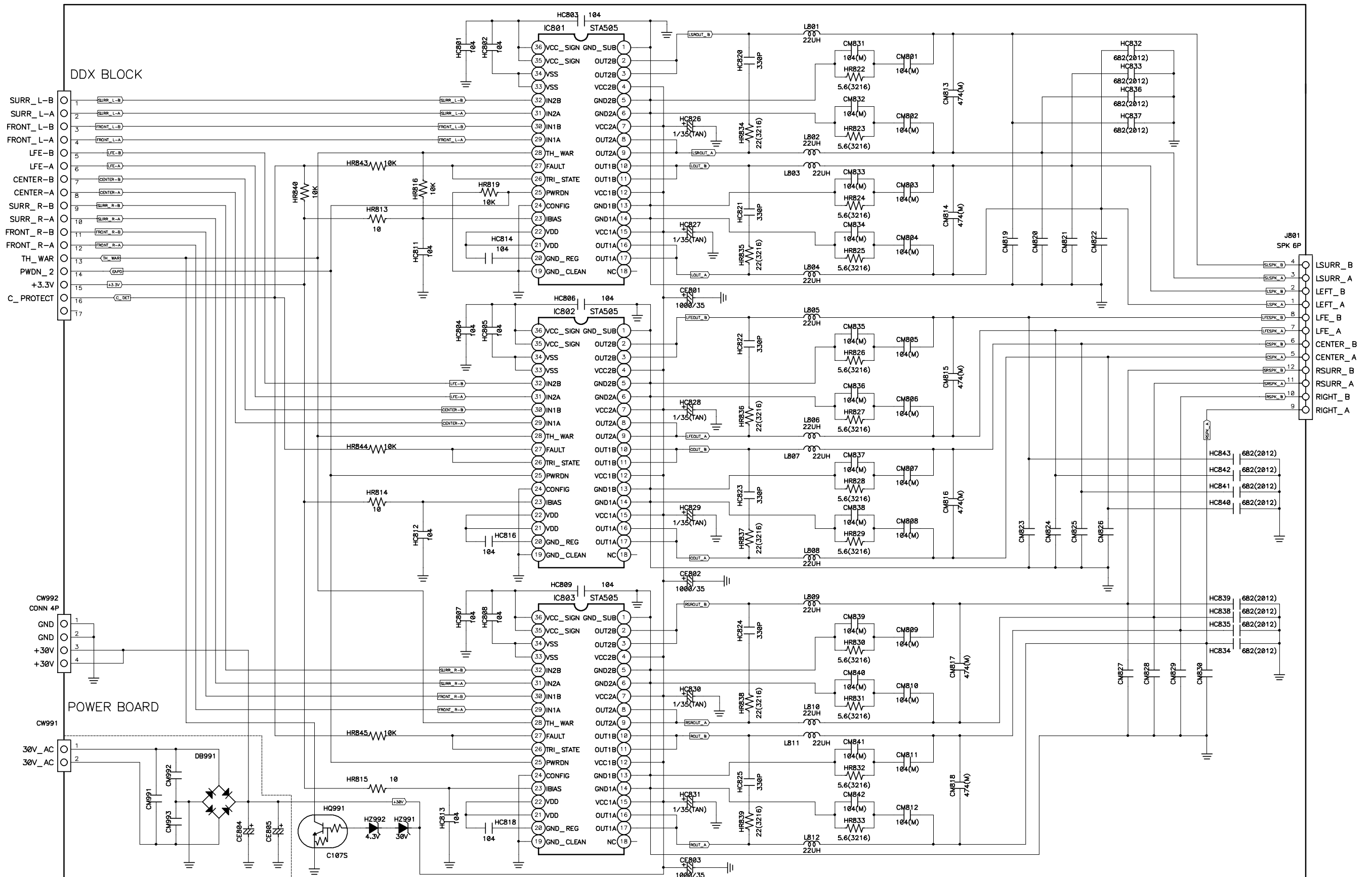
11. Schematic Diagram

● IN / OUT



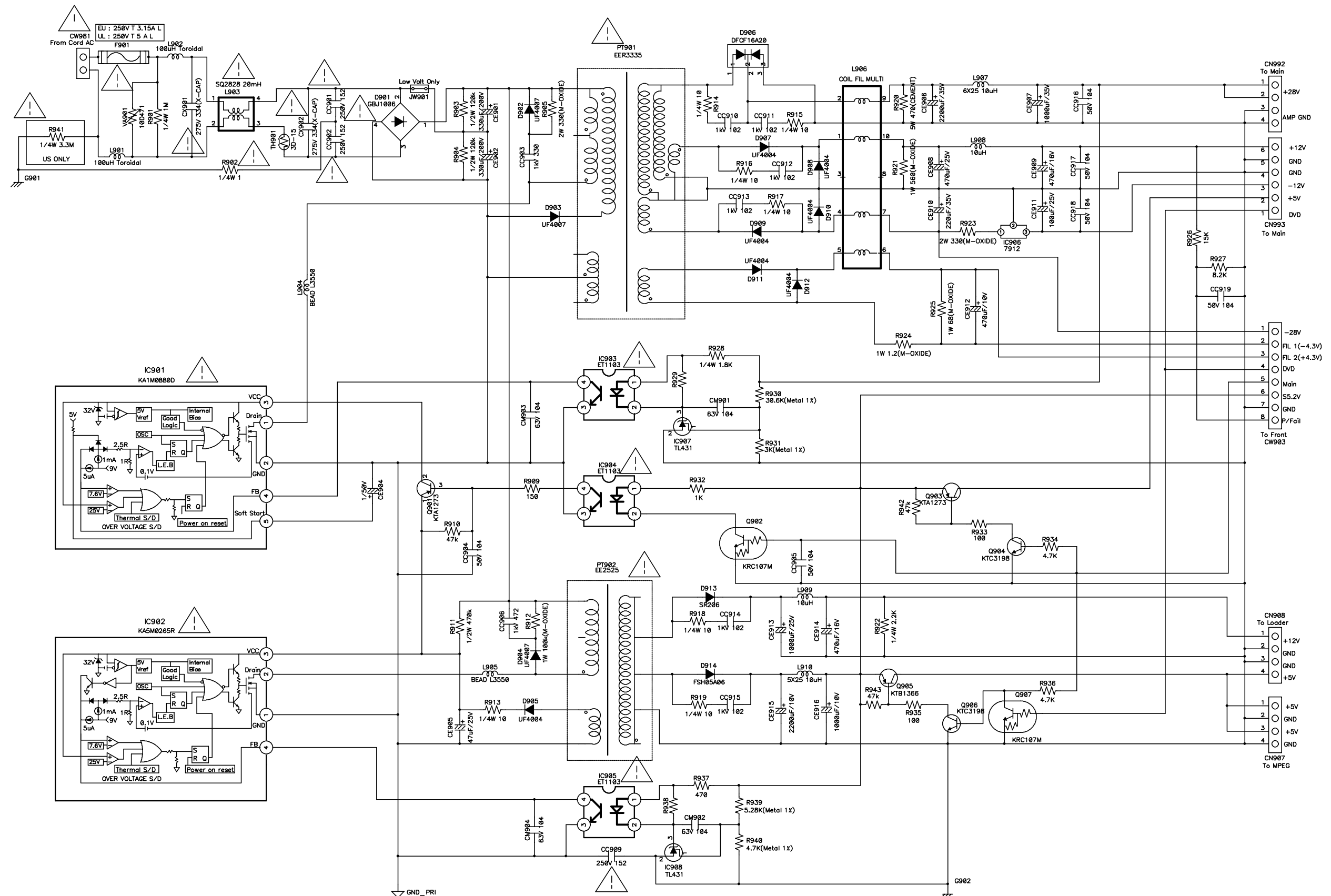
11. Schematic Diagram

● AMP



11. Schematic Diagram

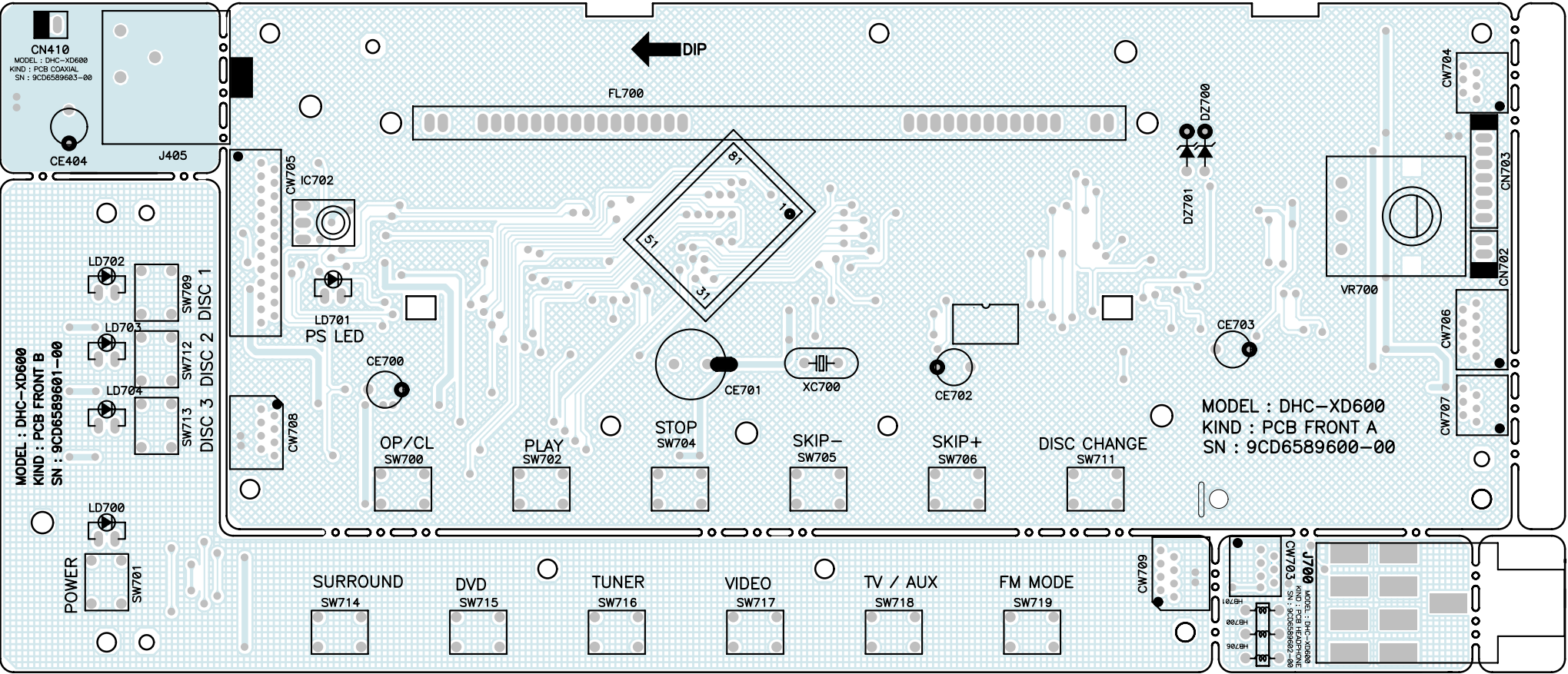
● SMPS



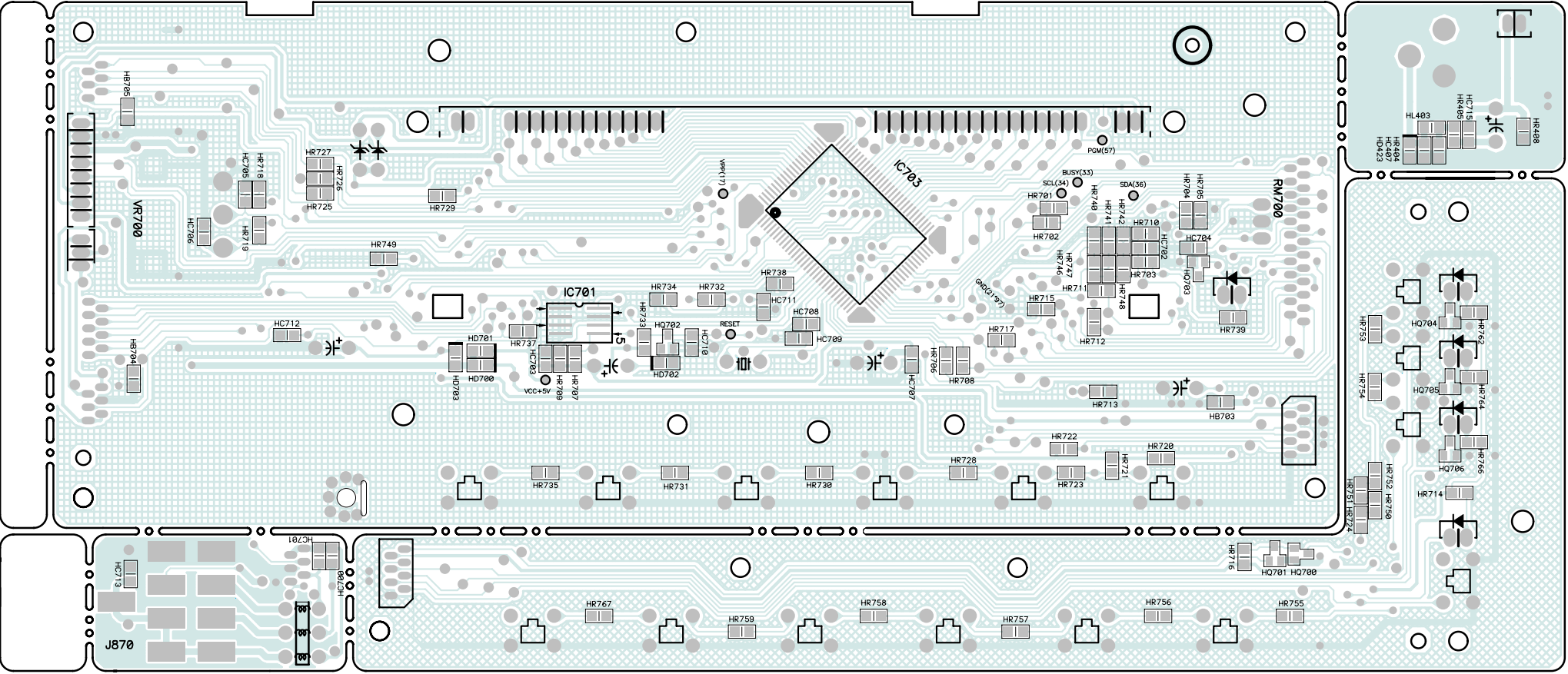
12. Printed Circuit Diagram

● FRONT

[TOP View]



[BOTTOM View]

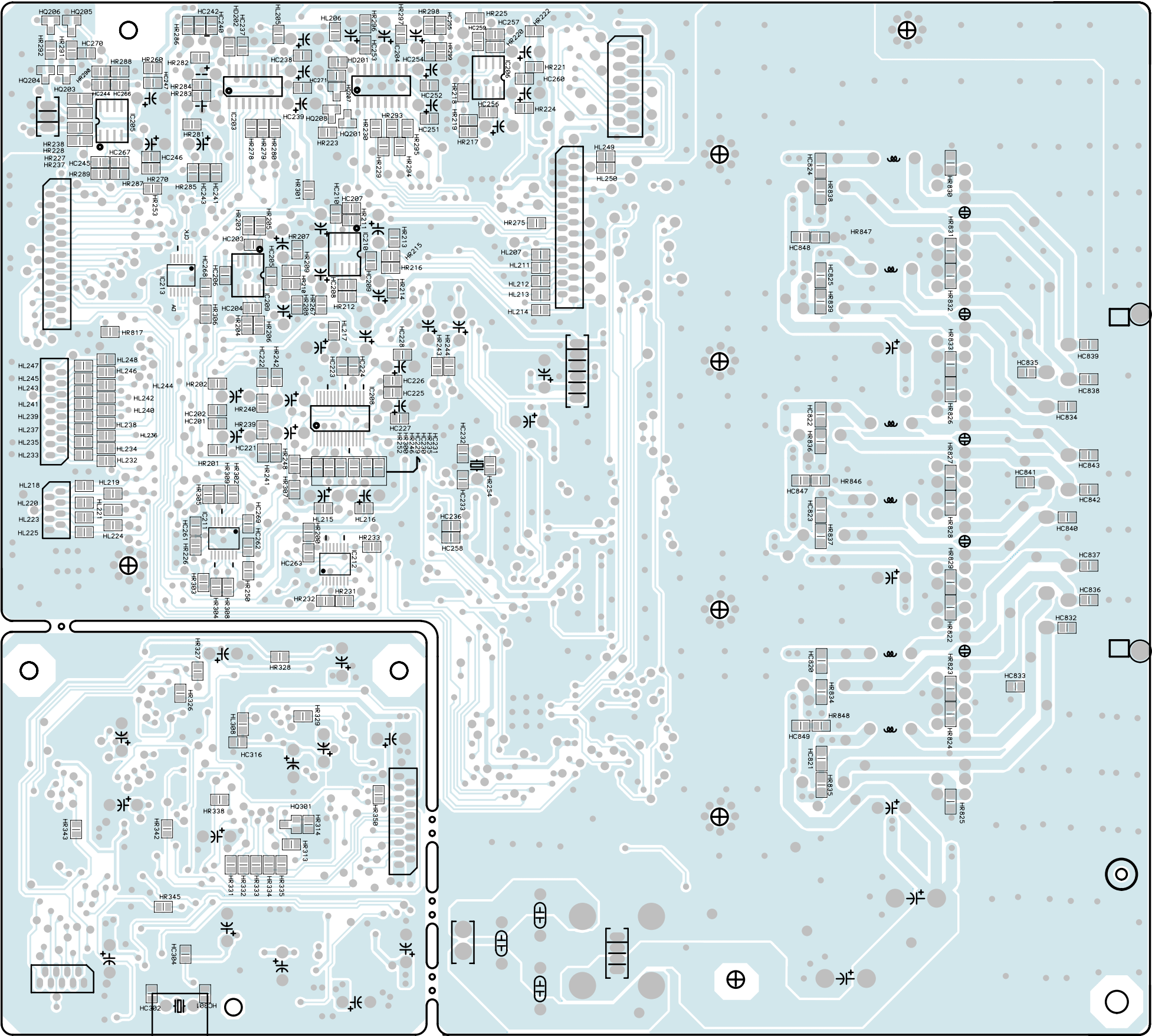


● MAIN
[TOP View]



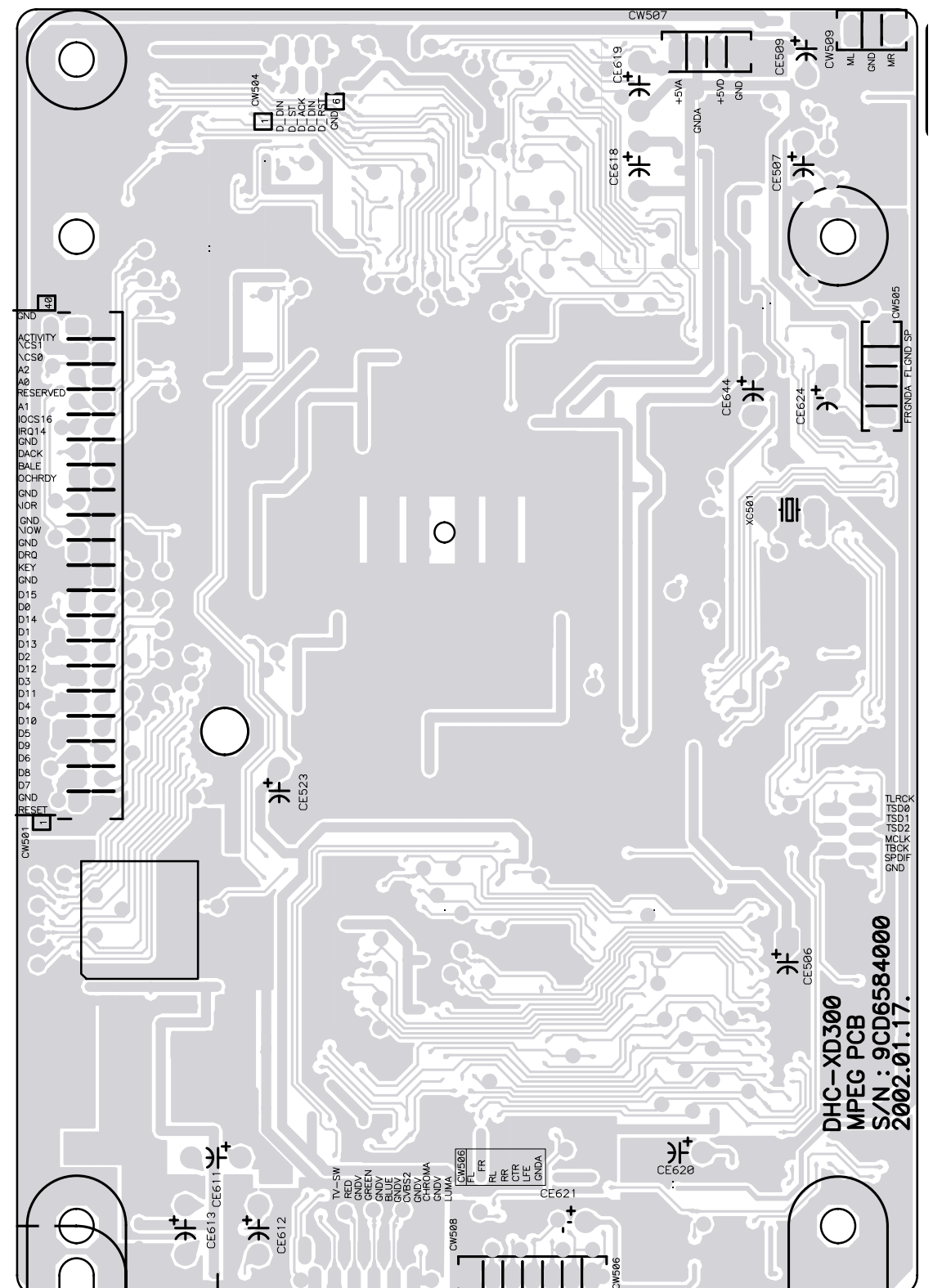
12. Printed Circuit Diagram

● MAIN
[BOTTOM View]



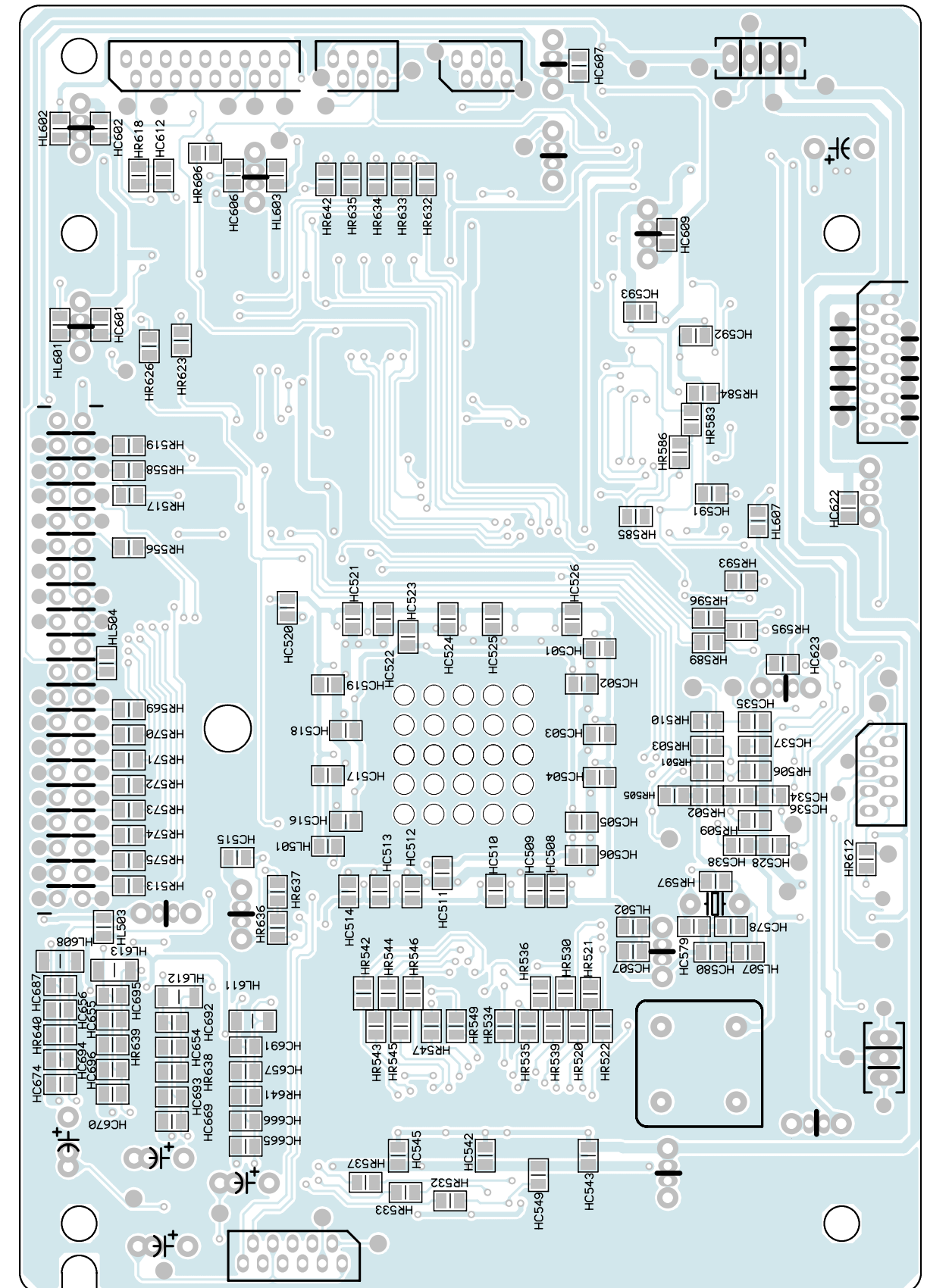
● MPEG : DHC-XD600/XD600P/XD600S only

[BOTTOM View]



● MPEG : XD600PS Only

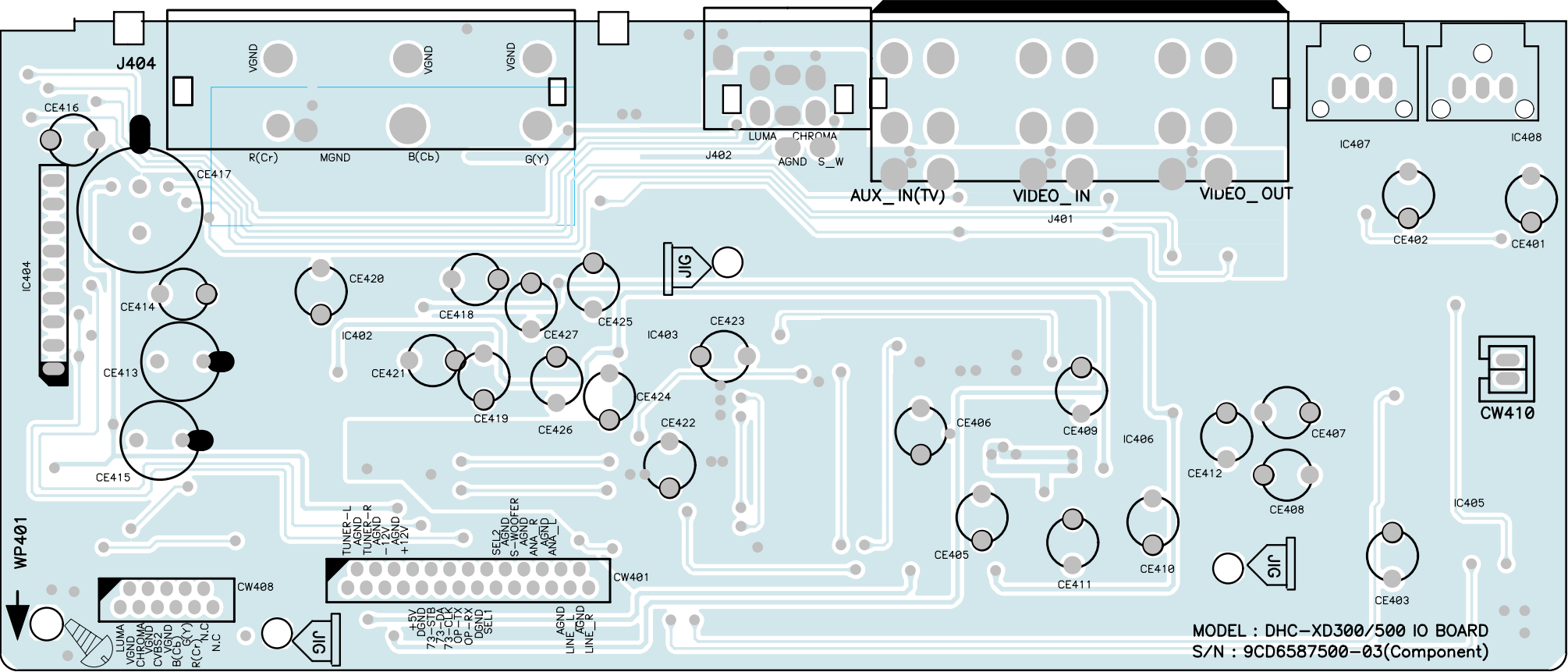
[BOTTOM View]



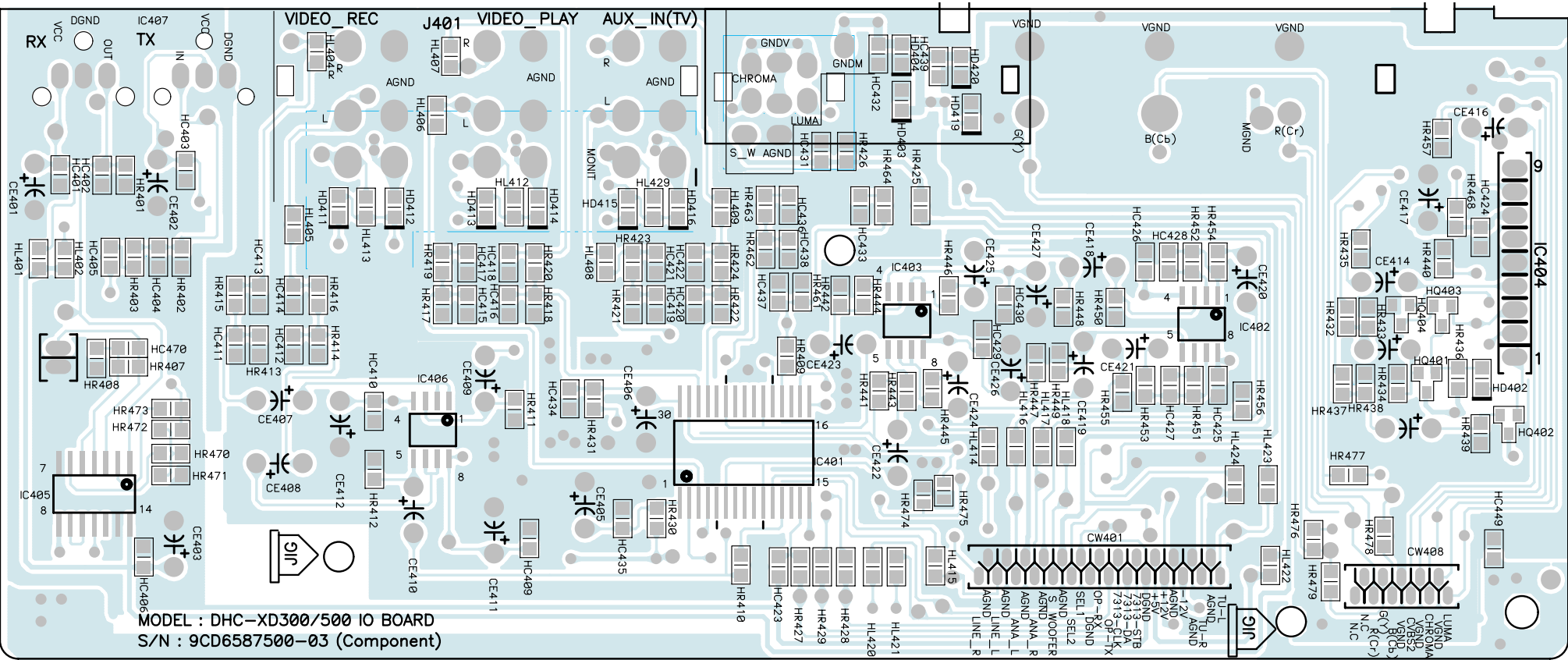
12. Printed Circuit Diagram

● IN/OUT : Component Only

[TOP View]



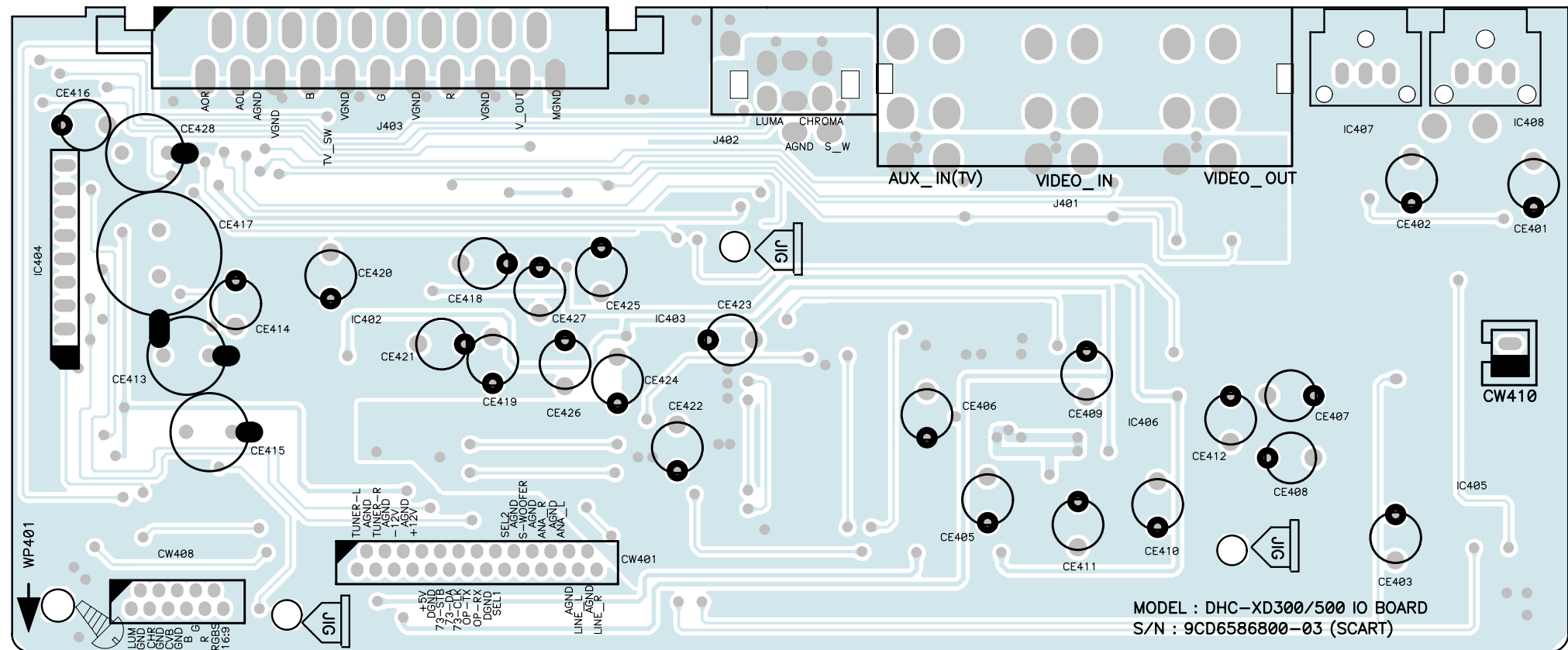
[BOTTOM View]



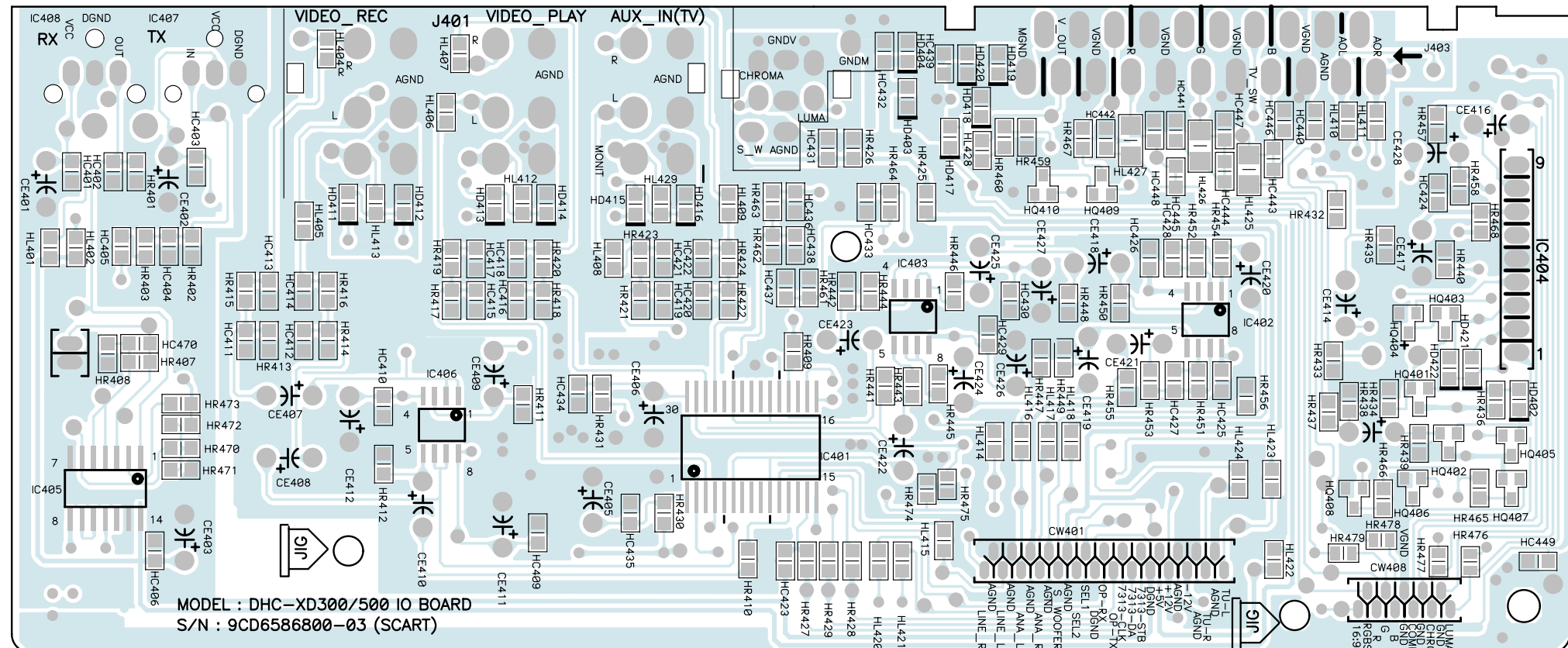
12. Printed Circuit Diagram

●IN/OUT : Scart only

[TOP View]

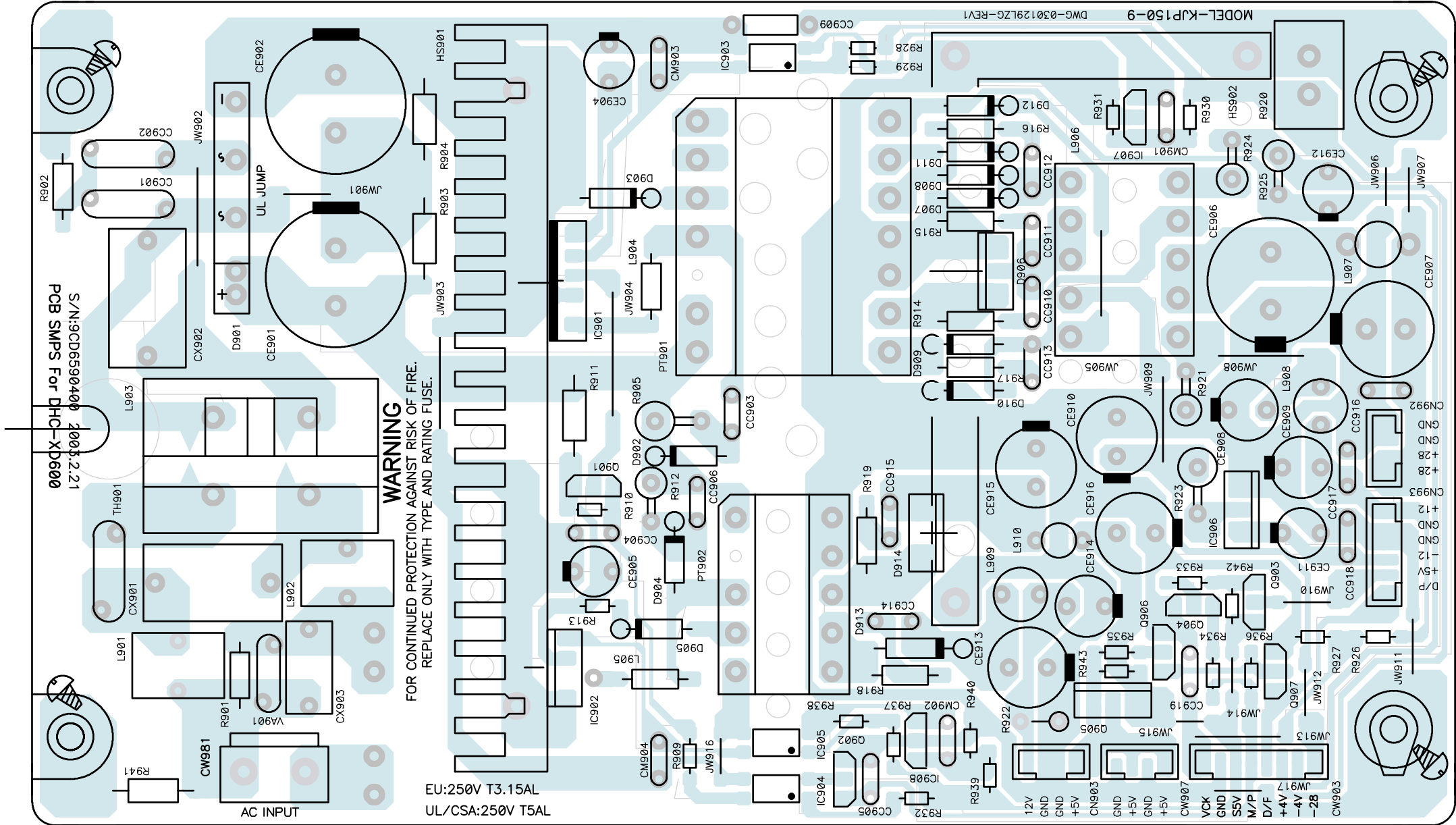


[BOTTOM View]

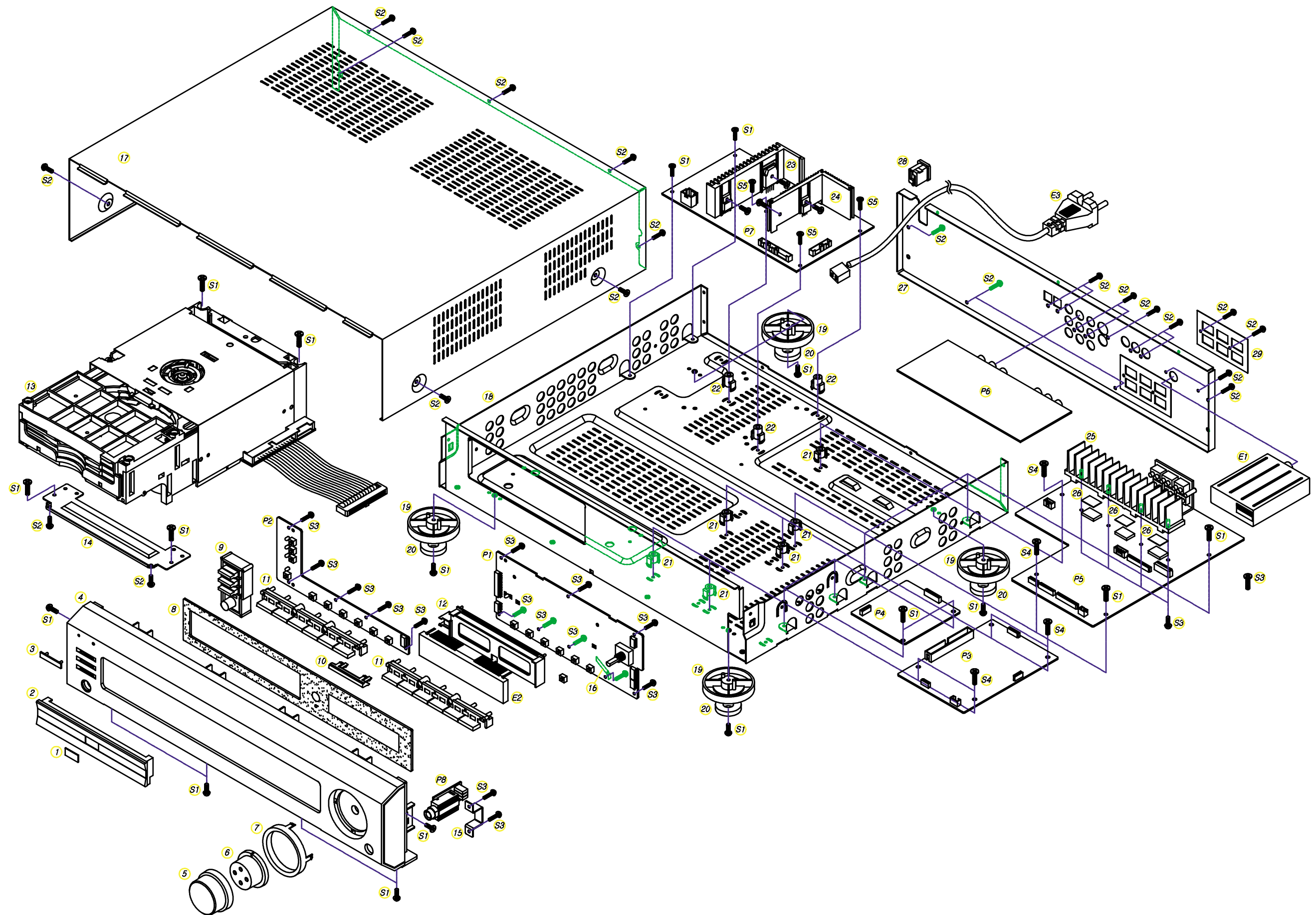


12. Printed Circuit Diagram

● SMPS



14. Exploded View and Mechanical Parts List



14. Exploded View and Mechanical Parts List

NO.	NAME OF PART	CODE NO.	MATERIAL	DESCRIPTIONS	Q'TY	REMARKS
1	BADGE DVD	9CD1504400	AL		1	
2	DOOR HOLDER	9CD1813800	MIPS		1	
3	BADGE BRAND		AL		1	
4	PANEL FRONT	9CD0311200	MIPS		1	
5	KNOB VR A	9CD13489A0	ABS		1	
6	KNOB VR B	9CD13489B0	ABS		1	
7	DECO A	9CD10045A0	ABS		1	
8	WINDOW FRONT	9CD1620100	ACRYL	BLACK SMOG T2.0	1	
9	KNOB DISC	9CD1349200	ACRYL		1	
10	DECO B	9CD10045B0	ABS		1	
11	KNOB PRESET	9CD1349100	ABS		2	
12	GUIDE FLT	9CD2507300	MIPS		1	
13	MECHANISM DVD	9CD6011010		3 CD DVD	1	
14	BRACKET LOADER	9CD2415600	SECC	T1.0	1	
15	BRACKET PHONE	9CD2415700	SECC	T1.0	1	
16	SPRING GROUND	9CD3009000	T0.2	PHOSPHOR BRONZE	1	
17	CHASSIS TOP	9CD0609400	SECC	T0.7	1	
18	CHASSIS BOTTOM	9CD0609800	SECC	T1.0	1	
19	FOOT	9CD0800900	MIPS		4	
20	CUSHION FOOT	9CD4208800	RUBBER	URETHAN RUBBER	4	
21	SUPPORT PCB 08	9CD2507400	MIPS	HEIGHT=8.0mm	6	
22	SUPPORT PCB 12	9CD2507401	MIPS	HEIGHT=12.0mm	3	
23	HEAT SINK FET	9CD4407400	AL	EXTRUSION	1	
24	HEAT SINK DIODE	9CD4407300	AL	EXTRUSION	1	
25	HEAT SINK IC	9CD4407600	AL EXT.	AL EXTRUSION	1	
26	RUBBER SILICON	9CD4209100	RUBBER		3	
27	CHASSIS BACK	9CD0609300	SECC	T0.8	1	
28	STOPPER AC CODE	9CD5700500	NYLON66		1	
29	PLATE SPEAKER	9CD0912600	PC	PC SHEET T0.3	1	
S1	SCREW TAPPING	7173300811		TT2 BIN 3 x 8 MFZN	32	
S2	SCREW TAPPING	7173300812		TT2 BIN 3 x 8 MFZN BK	21	
S3	SCREW TAPPING	7173261011		TT2 BIN 2.6 x 10 MFZN	15	
S4	SCREW TAPPING	7173301412		TT2 BIN 3 x 14 MFZN	6	
S5	SCREW TAPPING	7173301812		TT2 BIN 3 x 18 MFZN	3	
S6	SCREW TAPPING	7173301013		TT2 BIN 3X10 MFZN CR	2	
P1	PCB FRONT A	9CDC064100			1	
P2	PCB FRONT B	9CDC064600			1	
P3	PCB MPEG	9CDC062800		91.0x130.0x1.6T	1	
P4	PCB DSP	9CDC064300		74.0x78.0x1.6T	1	
P5	PCB MAIN	9CDC064200		234.0x211.0x1.6T	1	
P6	PCB IN OUT	9CDC061200		169.0x70.0x1.6T	1	
P7	PCB SMPS	9CDC064400		157.0x108.0x1.6T	1	
P8	PCB PHONE	9CDC064700			1	
E1	TUNER MODULE	9737650501 9737650101		KST-MV114MA1-0(RDS) KST-MB011MA0-0	1 1	"CE" VER. "UL" VER.
E2	FL DISPLAY	DHNA12SM21		HNA-12SM21	1	
E3	CORD AC	9736908600 9736908700		KE-25 H03VVH2-F 1820MM	1 1	"CE" VER. "UL" VER.

14. Electrical Parts List

PCB MAIN ASS'Y [9CDC064200]

Location	Part Code	Part Name	Description	Remark
B800	9CD6589800	PCB MAIN	187X208	
CE201~CE204	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE205~CE206	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE215~CE216	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE217	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE218	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
CE219~CE220	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE221~CE222	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE223	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE224~CE225	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	
CE226~CE227	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE228~CE229	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE230	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE231	CEXF1A102V	C ELECTRO	10V RSS 1000MF (8X12.5)	
CE232~CE233	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE234	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE235	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	
CE236	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE237	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE238	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE239	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE240~CE242	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE243~CE244	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE245~CE246	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE247	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE801~CE803	CEXF1V102V	C ELECTRO	35V RSS 1000MF (13X25)	
CM801~CM812	CMXK1J104J	C MYLAR	MC 63V 0.1MF J	
CM813~CM818	CMXK1J474J	C MYLAR	MC 63V 0.47MF J	
CM831~CM842	CMXK1J104J	C MYLAR	MC 63V 0.1MF J	
CN101	9728816500	CONN FFC	FFC 13P P=1.25X100MM R	
CN201	9728818200	CONN FFC	FFC 27P P=1.0X170MM R	
CN204	9728818000	CONN FFC	FFC 17P P=1.0X100MM R	
CW101	9CD6264500	CONN WAFER	52045-1345 TOP ENTRY	
CW201	9CD6269100	CONN WAFER	52806-2710	
CW202	2001-WS-03	CONN WAFER	3P 2.0MM	
CW203	9CD6267300	CONN WAFER	52806-0810	
CW204	9CD6268200	CONN WAFER	52806-1710	
CW205	9CD6269000	CONN WAFER	52806-2510	
CW992	2001-WS-04	CONN WAFER	4P 2.0MM	
CW993	2001-WS-06	CONN WAFER	6P 2.0MM	
D201	DZN4148---	DIODE	IN4148 AUTO 52MM	
HC201~HC202	HCQK561JBA	C CHIP CERA	50V CH 560PF J 1608	
HC203~HC204	HCQK121JBA	C CHIP CERA	50V CH 120PF J 1608	
HC205~HC206	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC207~HC208	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC209~HC210	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC221~HC222	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC223	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC224	HCFK105KEA	C CHIP CERA	50V Y5V 1MF K 3220	
HC225~HC226	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608	
HC227~HC231	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC232~HC233	HCQK160JBA	C CHIP CERA	50V CH 16PF J 1608	
HC234~HC239	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC240~HC241	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC242~HC243	HCQK681JBA	C CHIP CERA	50V CH 680PF J 1608	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
HC244~HC245	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608	
HC246~HC253	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC254	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC255	HCQK561JBA	C CHIP CERA	50V CH 560PF J 1608	
HC256	HCQK121JBA	C CHIP CERA	50V CH 120PF J 1608	
HC257	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC258~HC260	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC262~HC265	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC266~HC267	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608	
HC268~HC269	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC801~HC809	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC811~HC814	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC816	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC818	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC820~HC825	HCBK331KCA	C CHIP CERA	50V X7R 330PF K 2012	
HC826~HC831	HCFK105KEA	C CHIP CERA	50V Y5V 1MF K 3220	
HC832~HC843	HCBK682KCA	C CHIP CERA	50V X7R 6800PF K 2012	
HC844~HC846	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HL201~HL204	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HL205~HL206	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HL207	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HL211~HL217	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HL225	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HL232~HL243	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HL245~HL250	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HQ201	TZRC231S--	TR CHIP	KRC231S	
HQ203~HQ204	TZRC231S--	TR CHIP	KRC231S	
HQ206	TZRA107S--	TR CHIP	KRA107S	
HQ208	TZRA107S--	TR CHIP	KRA107S	
HR200	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR201~HR202	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR203~HR204	HRFT122JBA	R CHIP	1/10 1.2K OHM J 1608	
HR205~HR206	HRFT183JBA	R CHIP	1/10 18K OHM J 1608	
HR207~HR208	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR209~HR212	HRFT123JBA	R CHIP	1/10 12K OHM J 1608	
HR213~HR214	HRFT224JBA	R CHIP	1/10 220K OHM J 1608	
HR215~HR216	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR217	HRFT183JBA	R CHIP	1/10 18K OHM J 1608	
HR218	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR219	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR220	HRFT123JBA	R CHIP	1/10 12K OHM J 1608	
HR221	HRFT224JBA	R CHIP	1/10 220K OHM J 1608	
HR222	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR223	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR224~HR225	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR226	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HR227~HR228	HRF4220JEA	R CHIP	1/4W 22 OHM J 3216	
HR229	HRFT220JBA	R CHIP	1/10W 22 OHM J 1608	
HR230	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR231~HR233	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR235	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR237~HR238	HRF4220JEA	R CHIP	1/4W 22 OHM J 3216	
HR239~HR240	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
HR241~HR242	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR243~HR244	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
HR245	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
HR246~HR247	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR248	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	
HR249	HRFT220JBA	R CHIP	1/10W 22 OHM J 1608	
HR250	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR253	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR254	HRFT105JBA	R CHIP	1/10 1M OHM J 1608	
HR255~HR265	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR256	HRFT471JBA	R CHIP	1/10 470 OHM J 1608	
HR257~HR259	HRFT220JBA	R CHIP	1/10W 22 OHM J 1608	
HR260	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR261~HR264	HRFT220JBA	R CHIP	1/10W 22 OHM J 1608	
HR267	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR268~HR269	HRFT220JBA	R CHIP	1/10W 22 OHM J 1608	
HR270	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR271	HRFT471JBA	R CHIP	1/10 470 OHM J 1608	
HR272~HR274	HRFT220JBA	R CHIP	1/10W 22 OHM J 1608	
HR276	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR277	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR278	HRFT220JBA	R CHIP	1/10W 22 OHM J 1608	
HR281~HR282	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
HR283~HR284	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR285~HR286	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR287~HR288	HRFT821JBA	R CHIP	1/10 820 OHM J 1608	
HR289~HR290	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR291~HR292	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR293	HRFT220JBA	R CHIP	1/10W 22 OHM J 1608	
HR296	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR297	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
HR298	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR299	HRFT122JBA	R CHIP	1/10 1.2K OHM J 1608	
HR300	HRFT333JBA	R CHIP	1/10 33K OHM J 1608	
HR301	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR302~HR305	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR306	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR307	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR308~HR309	HRFT220JBA	R CHIP	1/10W 22 OHM J 1608	
HR360~HR361	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR813~HR815	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR816	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR817	HRFT272JBA	R CHIP	1/10 2.7K OHM J 1608	
HR819	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR822~HR833	HRF4569JEA	R CHIP	1/4W 5.6 OHM J 3216	
HR834~HR839	HRF4220JEA	R CHIP	1/4W 22 OHM J 3216	
HR843~HR845	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
IC201~IC202	1STA304A--	IC DDX	STA304A	
IC203~IC204	1CS4341---	IC	CS4341 (DAC)	
IC205	1BA4560F--	IC AMP(CHIP TYPE)	BA4560F	
IC206	1NJM4558M-	IC CHIP	NJM4558M	
IC207	1LD1117S33	IC REGULATOR	LD117AS33TR 3.3V (TO-223)	
IC208	1CS4228A--	IC	CS4228A (CODEC)	
IC209~IC210	1NJM4558M-	IC CHIP	NJM4558M	
IC213	174VHC14MT	IC	74VHCMT C TSSOP	
IC801~IC803	1STA505---	IC PWM AMP	STA505	
J801	9736325000	JACK SPK	PA1220601P	
L801~L812	5P8080DR12	COIL LPF	DR-12 6A	
Q201	TZRC107M--	TR	KRC107M (DTC114YS) (KSR1006)	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
W001	W1-RE32161	WIRE LEAD	1P #26 320MM RED UL 1007	
XC201	5XE6R1440J	X-TAL	6.144MHZ	

PCB DSP ASS'Y [9CDC064300]

Location	Part Code	Part Name	Description	Remark
B001	9CD6589801	PCB DSP	77X74	
CE301~CE307	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE308	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE309	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE310	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE311	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE312	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE313	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CN306	9728818100	CONN FFC	FFC 9P P=1.0X120MM R	
CW304	9CD6268200	CONN WAFER	52806-1710	
CW306	9CD6267100	CONN WAFER	52806-0910	
HC301~HC302	HCQK300JBA	C CHIP CERA	50V CH 30PF J 1608	
HC303~HC309	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC310	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC311~HC313	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC314	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC315	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC316~HC317	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HD301	DZDS160---	DIODE SW CHIP	KDS160	
HL301	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL302	HLC479J03A	COIL CHIP	4.7UH CHIP 2012	
HL303	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL308	HLC479J03A	COIL CHIP	4.7UH CHIP 2012	
HL309	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL310	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HQ301	TZRA102S--	TR CHIP	KRA102S (10X10)PNP	
HR310	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR312	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR313	HRFT122JBA	R CHIP	1/10 1.2K OHM J 1608	
HR314	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR315	HRFT220JBA	R CHIP	1/10W 22 OHM J 1608	
HR316	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR317~HR323	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR324~HR325	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR326	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR327	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR328	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR329	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR330	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR331~HR333	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR334~HR335	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR336	HRFT204JBA	R CHIP	1/10 200K OHM J 1608	
HR337	HRFT220JBA	R CHIP	1/10W 22 OHM J 1608	
HR338	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR339	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR340	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR341	HRFT183JBA	R CHIP	1/10 18K OHM J 1608	
HR342	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR343~HR344	HRFT220JBA	R CHIP	1/10W 22 OHM J 1608	
HR345	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR346	HRFT122JBA	R CHIP	1/10 1.2K OHM J 1608	

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Location	Part Code	Part Name	Description	Remark
HR347	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR348	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR349	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
IC301	1CS493264-	IC	CS493264	
IC302	1AME1117BC	IC REGULATOR	AME1117BC	
IC303	1MM74HCT244	IC	MM74HCT244 (BUS DRIVER)	
IC304	1AK4112A--	IC	AK4112A	
IC305	174VHC14MT	IC	74VHCMT C TSSOP	
IC306	1LD1117S33	IC REGULATOR	LD117AS33TR 3.3V (TO-223)	
XC301	5XE12R288J	X-TAL	12.288MHZ HC-49U	

PCB INOUT ASS'Y [9CDC061200]

Location	Part Code	Part Name	Description	Remark
B401	9CD6586800-03	PCB INOUT	80X169	
CE402~CE403	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE405~CE406	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE407~CE410	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE411~CE412	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE413	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE414	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE415	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE416	CEXF1A471V	C ELECTRO	10V RSS 470MF (6.3X11) TP	
CE417	CEXF1C222V	C ELECTRO	16V RSS 2200MF (16X31.5) TP	
CE418~CE425	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE426~CE427	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE428	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CW401	9CD6269100	CONN WAFER	52806-2710	
CW408	9CD6267600	CONN WAFER	52806-1110	
CW410	2001-WS-02	CONN WAFER	2P 2.0MM	
HC403	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC404	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC405~HC406	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC409~HC410	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC411~HC412	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC415~HC416	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC419~HC420	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC423	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC424	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608	
HC425~HC426	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC427~HC428	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC429~HC430	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC431	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC432	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC434~HC435	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC437~HC438	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC439	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC446~HC448	HCQK470JBA	C CHIP CERA	50V CH 47PF J 1608	
HC449	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HC470	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HD402~HD404	DZDS160---	DIODE SW CHIP	KDS160	
HD419~HD422	DZDS160---	DIODE SW CHIP	KDS160	
HL402	HLC479J03A	COIL CHIP	4.7UH CHIP 2012	
HL404~HL418	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL420~HL424	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL421	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL422	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
HL423	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL428~HL429	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HQ401~HQ402	TZTC3875S-	TR CHIP	KTC3875S	
HQ403~HQ404	TZRC107S--	TR CHIP	KRC107S	
HQ405	TZTC3875S-	TR CHIP	KTC3875S	
HQ406	TZRC107S--	TR CHIP	KRC107S	
HQ407	TZRA102S--	TR CHIP	KRA102S (10X10)PNP	
HQ408	TZRC107S--	TR CHIP	KRC107S	
HQ409	TZRA102S--	TR CHIP	KRA102S (10X10)PNP	
HQ410	TZRC107S--	TR CHIP	KRC107S	
HR403	HRFT221JBA	R CHIP	1/10 220 OHM J 1608	
HR407	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR408	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR409	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR410	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR411~HR414	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR415~HR416	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR417~HR418	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR419~HR420	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR421~HR422	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR423~HR424	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR425	HRFT221JBA	R CHIP	1/10 220 OHM J 1608	
HR426	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR427~HR431	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR432	HRFT680JBA	R CHIP	1/10 68 OHM J 1608	
HR433	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR434	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
HR435	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR436	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR437	HRFT680JBA	R CHIP	1/10 68 OHM J 1608	
HR438	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR439	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
HR440	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR441~HR442	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR443~HR446	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR447~HR450	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR451~HR452	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR453~HR454	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR455~HR456	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR457	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR458	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
HR459	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR460	HRFT680JBA	R CHIP	1/10 68 OHM J 1608	
HR461~HR462	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR463~HR464	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR465~HR466	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR467	HRFT221JBA	R CHIP	1/10 220 OHM J 1608	
HR468	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR470	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR471	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
HR472	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR478~HR479	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
IC401	1NJU7313A-	IC SWITCH	NJU7313A (SW ARRAY)	
IC402~IC403	1NJM4558M-	IC CHIP	NJM4558M	
IC404	1LA7952---	IC SWITCH	LA7952	
IC405	1MM74HCU04	IC	MM74HCU04MX	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
IC406	1NJM4558M-	IC CHIP	NJM4558M	
IC407	1TXOC0805-	IC TX	OC0805-TX	
J401	9736325100	JACK RCA 9P	JB090148 (RCA 9P)	
J402	9736325200	JACK S-VIDEO	C5026030 (S-VIDEO+RCA)	
J403	9736324800	JACK SCART	21P	

PCB MPEG ASS'Y [9CDC062800] : DHC-XD600P Only

Location	Part Code	Part Name	Description	Remark
B501	9CD6586501-01	PCB MPEG	130X91	
CE506	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE523	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE611~CE616	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE618	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE619	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
CE622	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE645	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CW501	9736324700	JACK ATAPI	40P ATAPI	
CW503	9CD6267300	CONN WAFER	52806-0810	
CW504	9CD6267400	CONN WAFER	52806-0610	
CW507	2001-WS-04	CONN WAFER	4P 2.0MM	
CW508	9CD6267600	CONN WAFER	52806-1110	
HC501~HC526	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC527	HCQK151JBA	C CHIP CERA	50V CH 150PF J 1608	
HC528	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
HC534~HC538	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
HC539	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC541~HC546	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC547	HCBK224KBA	C CHIP CERA	50V X7R 0.22MF Z 1608	
HC550	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC574	HCQK150JBA	C CHIP CERA	50V CH 15PF J 1608	
HC578~HC579	HCQK390JBA	C CHIP CERA	50V CH 39PF J 1608	
HC590~HC592	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC606~HC608	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC614~HC617	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC619	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC624	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC637~HC653	HCQK560JBA	C CHIP CERA	50V CH 56PF J 1608	
HC673	HCQK560JBA	C CHIP CERA	50V CH 56PF J 1608	
HC675~HC679	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
HC680~HC685	HCQK560JBA	C CHIP CERA	50V CH 56PF J 1608	
HC686	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
HQ601~HQ603	TZTA1504S-	TR CHIP	KTA1504Y	
HQ606~HQ608	TZTA1504S-	TR CHIP	KTA1504Y	
HR501~HR505	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR511~HR512	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR513~HR519	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	
HR520~HR532	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR533~HR575	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR541	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR542	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR544	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR545	HRFT681JBA	R CHIP	1/10 680 OHM J 1608	
HR546~HR547	HRFT105JBA	R CHIP	1/10 1M OHM J 1608	
HR556	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	
HR576	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR577~HR578	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
HR580~HR581	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR582	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HR583	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR586	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR587	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR588	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR589	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR590~HR591	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR592	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR597	HRFT105JBA	R CHIP	1/10 1M OHM J 1608	
HR598	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR604~HR606	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR607	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR608	HRFT121JBA	R CHIP	1/10 120 OHM J 1608	
HR609	HRFT201JBA	R CHIP	1/10 200 OHM J 1608	
HR610	HLC479J03A	COIL CHIP	4.7UH CHIP 2012	
HR611	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR612	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR613	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR614	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR616	HLC479J03A	COIL CHIP	4.7UH CHIP 2012	
HR617~HR619	HRFT301JBA	R CHIP	1/10 300 OHM J 1608	
HR620~HR621	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
HR622~HR623	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR624~HR625	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR626	HRFT402FBA	R CHIP	1/10 4.0K OHM F 1608(1%)	
HR627~HR628	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
HR629	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR630~HR632	HRFT301JBA	R CHIP	1/10 300 OHM J 1608	
HR637	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
HR644~HR646	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR649	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
HR654	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR655	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR669	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR671	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR675	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
IC501	1ES4318F--	IC MPEG DEC	ESS4318F (MPEG DEC)	
IC505	1M29F080A-	IC FLASHROM	STM29F080A	
IC506	1M24C04MN-	IC	M24C04MN SOP	
IC507	1CS4955---	IC VIDEO ENCODER	CS4955	
IC509	1AIC1117CY-	IC REGULATOR	AIC117-CY	
IC512	1IS42S1640	IC SDRAM	IS42S16400-7S	
IC517	1MM74HCU04	IC	MM74HCU04MX	
L501~L502	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
L503	HLC479J03A	COIL CHIP	4.7UH CHIP 2012	
L505	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
L506	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
L508	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
L509~L510	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
L511	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
L512~L513	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
L602~L607	HLC829J03A	COIL CHIP	8.2UH	
CN501	9728817900	CONN ATAPI	UL2651 #28 40P 180MM TO SHOUSING	
CN503	9728818300	CONN FFC	FFC 8P P=1.0X100MM R	
CN508	9728816300	CONN FFC	FFC 11P P=1.0X226MM R	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
XC501	5XE27M000J	CRYSTAL QUARTZ	27MHZ HC-49/U (RADIAL/SMD)	

PCB MPEG ASS'Y : DHC-XD600PS Only

Location	Part Code	Part Name	Description	Remark
B0001	9CD6589500	PCB MPEG	150X150	
CE506	CEXF1C470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE508	CEXF1C470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE510	CEXF1C470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE523	CEXF1C470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE617	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE618	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE619	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
CE621	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE622	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE625~626	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CW501	9736324700	JACK ATAPI	40P ATAPI	
CW503	9CD6267300	CONN WAFER	52806-0810	
CW504	9CD6267400	CONN WAFER	52806-0610	
CW507	9728810800	CONN WAFER	2.0MM PH-4A 4P	
CW508	9CD6267600	CONN WAFER	52806-1110	
HC501~526	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC528	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
HC531~532	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC534~538	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
HC541~545	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC549	HCQK270JBA	C CHIP CERA	50V CH 27PF J 1608	
HC578~579	HCQK270JBA	C CHIP CERA	50V CH 27PF J 1608	
HC590~593	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC607~610	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC654~657	HCQK271JBA	C CHIP CERA	50V CH 270PF J 1608	
HC665~670	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608	
HC674	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608	
HC687	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC691~692	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC695	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HL501~505	HLC104J01A	BEAD CHIP	BEAD 120 OHM 100MHZ 2012	
HL506	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HL509~513	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HL608	HLC189J03A	COIL CHIP	1.8UH	
HL611~61	HLC189J03A	COIL CHIP	1.8UH	
HQ604~605	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HQ611~612	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR501~506	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR507	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR509~512	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR513~519	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	
HR520~532	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR533~540	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR541~555	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR556	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	
HR557~575	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR577~578	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR580~581	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR582	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HR583	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR584	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
HR585	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR586	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HR587	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR590~591	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR592	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR594	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR597	HRFT105JBA	R CHIP	1/10 1M OHM J 1608	
HR598	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR599~601	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR608	HRFT121JBA	R CHIP	1/10 120 OHM J 1608	
HR609	HRFT221JBA	R CHIP	1/10 220 OHM J 1608	
HR611	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR612	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR613	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
HR614	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR615	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR617	HRFT121JBA	R CHIP	1/10 120 OHM J 1608	
HR636~637	HRFT121JBA	R CHIP	1/10 120 OHM J 1608	
HR638~641	HRFT750JBA	R CHIP	1/10 75 OHM J 1609	
HR647	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR662~663	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR670	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
IC501	1ES6028F--	IC MPEG DEC	ESS6028F (MPEG DEC)	
IC502	1HY57V6415	IC SDRAM	1HY57V641520HG	
IC503	1M29F080A-	IC FLASHROM	STM29F080A	
IC505	1M24C04MN-	IC	M24C04MN S0P	
IC506~507	1AIC1117CY-	IC REGULATOR	AIC117-CY	
W0001	9728815700	CABLE ATAPI	40P 360MM	
W0002	9728816200	CONN FFC	FFC 8P P=1.0X250MM R	
W0003	9728816300	CONN FFC	FFC 11P P=1.0X250MM R	
XC501	5XE27M000J	CRYSTAL QUARTZ	27MHZ HC-49/U (RADIAL/SMD)	

PCB FRONT-A ASS'Y [9CDC064100]

Location	Part Code	Part Name	Description	Remark
B700	9CD6589600	PCB FRONT A	110X235	
CE700	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE701	CEXF1A102V	C ELECTRO	10V RSS 1000MF (8X12.5)	
CE702	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE703	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CN702	9728815800	CONN AS	#26 UL2547 SHIELD 3P BOARD-IN 250MM	
CN703	9728817700	CONN AS	#26 8P PITCH 2.0 500MM BOARD IN	
CN704	9728817100	CONN FFC	FFC 6P P=1.0X200MM K	
CN705	9728816100	CONN FFC	FFC 25P P=1.0X370MM K	
CN707	9728818500	CONN FFC	FFC 6P P=1.0X80MM R	
CN708	9728818400	CONN FFC	FFC 8P P=1.0X50MM K	
CW704	9CD6269500	CONN WAFER	52807-0610	
CW705	9CD6271200	CONN WAFER	52807-2510	
CW706	9CD6269800	CONN WAFER	52807-0910	
CW707	9CD6269500	CONN WAFER	52807-0610	
CW708	9CD6269700	CONN WAFER	52807-0810	
D700	DZN4148---	DIODE	IN4148 AUTO 52MM	
DZ700~DZ701	DZTZ4R3B--	DIODE ZENER	MTZ4.3B	
FL700	DHNA12SM21	FL DISPLAY	HNA-12SM21	
HB703~HB705	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HC702~HC704	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
HC705~HC706	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608	
HC707	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC708~HC709	HCQK300JBA	C CHIP CERA	50V CH 30PF J 1608	
HC710~HC712	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HD700~HD703	DZDS160---	DIODE SW CHIP	KDS160	
HQ702	TZRC102S--	TR CHIP	KRC102S	
HR701~HR702	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR703	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR704~HR705	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR706	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR707	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR708	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR709	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR710~HR712	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR713	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR715	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR717	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR718~HR719	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR720	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR721~HR722	HRFT152JBA	R CHIP	1/10 1.5K OHM J 1608	
HR723	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR725~HR727	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR728	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
HR729	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR730	HRFT181JBA	R CHIP	1/10 180 OHM J 1608	
HR731	HRFT271JBA	R CHIP	1/10 270 OHM J 1608	
HR732	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR733	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR734	HRFT333JBA	R CHIP	1/10 33K OHM J 1608	
HR735	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HR737	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR738	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR740~HR742	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR746~HR748	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR749	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
IC701	1M24C04MN-	IC	M24C04MN SOP	
IC702	1354HF----	IC RMC	354HF	
IC703	1M38B7A166	IC	M38B79MFH-A166FP	
SW700	5S50101001	SW TACT	KPT-1105A 1C-1P	
SW702	5S50101001	SW TACT	KPT-1105A 1C-1P	
SW704~SW706	5S50101001	SW TACT	KPT-1105A 1C-1P	
SW711	5S50101001	SW TACT	KPT-1105A 1C-1P	
VR700	5SH162401-	SW ENCORDER	EC16B24204 24P W/DETENT	
XC700	5PCSA4R190	RESO CERA	CSA 4.19M	

15. Electrical Parts List

PCB FRONT-B ASS'Y [9CDC064600]

Location	Part Code	Part Name	Description	Remark
B701	9CD6589601	PCB FRONT B	110X235	
CW709	9CD6269700	CONN WAFER	52807-0810	
HQ700~HQ701	TZRC102S--	TR CHIP	KRC102S	
HQ704~HQ706	TZRC102S--	TR CHIP	KRC102S	
HR714	HRF8331JCA	R CHIP	1/8 330 OHM J 2012	
HR716	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR724	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR750	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
HR751	HRFT181JBA	R CHIP	1/10 180 OHM J 1608	
HR752	HRFT271JBA	R CHIP	1/10 270 OHM J 1608	
HR753	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HR754	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
HR755	HRFT471JBA	R CHIP	1/10 470 OHM J 1608	
HR756	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
HR757	HRFT821JBA	R CHIP	1/10 820 OHM J 1608	
HR758	HRFT122JBA	R CHIP	1/10 1.2K OHM J 1608	
HR759	HRFT182JBA	R CHIP	1/10 1.8K OHM J 1608	
HR762	HRF8331JCA	R CHIP	1/8 330 OHM J 2012	
HR764	HRF8331JCA	R CHIP	1/8 330 OHM J 2012	
HR766	HRF8331JCA	R CHIP	1/8 330 OHM J 2012	
HR767	HRFT272JBA	R CHIP	1/10 2.7K OHM J 1608	
LD700	DSL332VC3F	LED	SLR332VC3F(RED)PI3	
LD702~LD704	DSL332VC3F	LED	SLR332VC3F(RED)PI3	
SW701	5S50101001	SW TACT	KPT-1105A 1C-1P	
SW709	5S50101001	SW TACT	KPT-1105A 1C-1P	
SW712~SW719	5S50101001	SW TACT	KPT-1105A 1C-1P	

PCB HEADPHONE ASS'Y [9CDC064700]

Location	Part Code	Part Name	Description	Remark
B702	9CD6589602	PCB HEADPHONE	110X235	
CW703	9CD6269500	CONN WAFER	52807-0610	
J700	9766319501	JACK HEADPHONE	HTJ-064-05B GOLD	
HB700~HB701	9CD8603400	RING CORE	74279409 3.0X9.5X3.5	
HB706	9CD8603400	RING CORE	74279409 3.0X9.5X3.5	
HC700~HC701	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608	
HC713	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	

PCB COAXIAL ASS'Y [9CDC064500]

Location	Part Code	Part Name	Description	Remark
CN410	9728819300	CONN AS	UL1007 #26 2P 70MM TO BOARD IN	
CE404	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
HC407	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC408	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HD423	DZDS160---	DIODE SW CHIP	KDS160	
HL403	HLC229J02A	COIL CHIP	2.2UH CHIP 1608	
HR404	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR405	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR406	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
J405	9736324100	JACK RCA	JK010055HN	

15. Electrical Parts List

PCB SMPS ASS'Y [9CDC064400]

Location	Part Code	Part Name	Description	Remark
CD981	9736908600	CORD AC	KE-25 H03VVH2-F 1820MM	
B901	9CD6590400-01	PCB SMPS	CEM-1 106X156(XD600N)	
CC901~CC902	CL1GB1152K	C CERA(Y-CAP)	250V 152 Y-1	
CC903	CCXB3A331K	C CERA	1KV B 330PF K (FORMING)	
CC904~CC905	CCFF1H104Z	C CERA	HIKF 50V 0.1MF Z (FORMING)	
CC906	CCXB3A472K	C CERA	1KV B 4700PF K (FORMING)	
CC909	CL1GB1152K	C CERA(Y-CAP)	250V 152 Y-1	
CC910~CC915	CCXB3A102K	C CERA	1KV B 1000PF K (FORMING)	
CC916~CC919	CCFF1H104Z	C CERA	HIKF 50V 0.1MF Z (FORMING)	
CE901 ~CE902	CEXN2D331P	C ELECTRO	330uF/200V LHS 85	
CE904	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE905	CEXF1V470C	C ELECTRO	47uF/35V RUS 105	
CE906	CEXF1V222C	C ELECTRO	2200uF/35V RUS 105	
CE907	CEXF1V102V	C ELECTRO	35V RSS 1000MF (13X25)	
CE908	CEXF1E471C	C ELECTRO	470uF/25V RUS 105	
CE909	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE910	CEXF1V221C	C ELECTRO	220uF/35V RUS 105	
CE911	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE912	CEXF1A471C	C ELECTRO	470uF/10V RUS 105	
CE913	CEXF1E102C	C ELECTRO	1000uF/25V RUS 105	
CE914	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE915	CEXF1A222C	C ELECTRO	2200uF/10V RUS 105	
CE916	CEXF1A102V	C ELECTRO	10V RSS 1000MF (8X12.5)	
CM901	CMXK1J104J	C MYLAR	MC 63V 0.1MF J	
CM902~CM904	CMXM2A104J	C MYLAR	100V 0.1MF J	
CN907~CN908	2001-WS-04	CONN WAFER	4P 2.0MM	
CN907	9728814800	CONN AS	UL1007 #22 4P 400MM TOHOUSING	
CN908	9728818600	CONN AS	UL1007 #22 4P 150MM TO JP1120-4	
CN992	9728817800	CONN AS	UL1007 #22 4P 100MM TO HOUSING	
CN993	9728815000	CONN AS	UL1007 #22 6P 250MM TO HOUSING	
CW992	2001-WS-04	CONN WAFER	4P 2.0MM	
CW993	2001-WS-06	CONN WAFER	6P 2.0MM	
CW903	2001-WS-08	CONN WAFER	8P 2.0MM	
CW981	9728808100	CONN WAFER	GP390-03P-TS-M(W/O CENTER	
CX901~CX902	CL1BB3334K	C CERA(X-CAP)	275V 334(X-CAP) 436D	
CX903	CL1BB3104K	C CERA(X-CAP)	275V 104(X-CAP) 436D	
D901	DGBJ1006--	DIODE BRIDGE	GBJ1006	
D902~D904	DUF4007---	DIODE UFR	UF4007	
D905	DUF4004---	DIODE UFR	UF4004	
D906	DFCF16A20-	DIODE Shottkey	DFCF16A20	
D907~D912	DUF4004---	DIODE UFR	UF4004	
D913	DSR2010---	DIODE Shottkey	SR2010(2A 100V)	
D914	DFSF05A60-	DIODE Shottkey	FSF05A60	
F901	5FSGB3122L	FUSE GLASS TUBE	VDE TL 3.15A 250V MF51	
FC901~FC902	9734600800	FUSE CLIP	PI5.2 - REEL	
G901	9CD6450600	TERMINAL GND	STS 0.5T	
G902	9CD6450600	TERMINAL GND	STS 0.5T	
IC901	1KA1M0880D	IC POWER SW	KA1M0880D	
IC902	1KA5M0265R	IC POWER SW	KA5M0265R	
IC903~IC905	1ET1103---	IC PHOTO COUPLER	ET1103	
IC906	1KIA7912AP	IC	KIA7912AP (MOLD)	
IC907~IC908	1TL431A---	IC SHUNT REG	TL431	
JW902~JW903	W581GY1505	WIRE JUMPER	AWG22 1/0.65 SN 15 AUTO	
JW904	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
JW905	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO	
JW906~JW907	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO	
JW908~JW909	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO	
JW910	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO	
JW911	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO	
JW912	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO	
JW913	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO	
JW914~JW916	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO	
JW917	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO	
L901~L902	5LF101K002	COIL TOROIDAL	100uH Toroidal	
L903	5LF204K008	COIL LINE FILTER	SQ2828 20MH	
L904~L905	5LX100J001	COIL BEAD	3.6PIX6MM 100OHM,100MHz	
L906	5LFMULT007	COIL TOROIDAL	MULTI	
L907	5LF030K007	COIL BAR CORE	6X25 10uH	
L908~L909	5LC100K005	COIL CHOKE(DRUM)	10uH	
L910	5LF100K003	COIL BAR CORE	5X25 10uH	
PT901	5TMW333501	P/T	EER3335(XD600)	
PT902	5TMW252502	P/T	EE2525(XD600)	
Q901	TZTA1273Y-	TR	KTA1273Y (A966Y) (KSA928A-Y)	
Q902	TZRC107M--	TR	KRC107M (DTC114YS) (KSR1006)	
Q903	TZTA1273Y-	TR	KTA1273Y (A966Y) (KSA928A-Y)	
Q904	TZTC3198Y-	TR	KTC3198Y (2SC5343) AUTO	
Q905	TZTA1046Y-	TR	KTA1046Y (KTA1366Y) AUTO	
Q906	TZTC3198Y-	TR	KTC3198Y (2SC5343) AUTO	
Q907	TZRC107M--	TR	KRC107M (DTC114YS) (KSR1006)	
R901	RD-4Z105J-	R CARBON FILM	1/4 1M OHM J	
R902	RD-4Z109J-	R CARBON FILM	1/4 1 OHM J	
R903~R904	RD-2Y124J-	R CARBON FILM	1/2 120K OHM J	
R905	RS02Y331J-	R METAL OXIDE FILM	2W 330 OHM J	
R909	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J	
R910	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
R911	RD-2Y474J-	R CARBON FILM	1/2 470K OHM J	
R912	RS01Y104J-	R METAL OXIDE FILM	1W 100K OHM J	
R913~R919	RD-4Z100J-	R CARBON FILM	1/4 10 OHM J	
R920	RX05Y471J-	R CEMENT	5W 470 OHM J	
R921	RS01Y561J-	R METAL OXIDE FILM	1W 560 OHM J	
R922	RD-4Z222J-	R CARBON FILM	1/4 2.2K OHM J	
R923	RS02Y331J-	R METAL OXIDE FILM	2W 330 OHM J	
R924	RS01Y129J-	R METAL OXIDE FILM	1W 1.2 OHM J	
R925	RS01Y680J-	R METAL OXIDE FILM	1W 68 OHM J	
R926	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	
R927	RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J	
R928	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J	
R930	RN-AZ3062F	R METAL FILM	1/6 30.6K OHM F(Metal 1%)	
R931	RN-AZ3001F	R METAL FILM	1/6 3.0K OHM F(Metal 1%)	
R932	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R933	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R934	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R935	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R936	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R937	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R939	RN-AZ5281F	R METAL FILM	1/6 5.28K OHM F(Metal 1%)	
R940	RN-AZ4701F	R METAL FILM	1/6 4.7K OHM F(Metal 1%)	
R942~R943	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
TH901	DNTC-3D15F	THERMISTOR	NTC-3D15F	
VA901	D1NR10D471	VARISTOR	1NR10D471	

15. Electrical Parts List

3DVD CHANGER ASS'y [9CDM052300]

Location	Part Code	Part Name	Description	Remark
10	9CD6011200	DECK DVD DRIVE UNIT	RL-TR700(FEEDING AS)	
20	9CD6011300	DECK 3 CHANGER	CMP-0415	
40	9CD6591000	PCB LOADER AS	RL-CHE300 PCB AS	
CN1	9728819500	CONN FFC	FFC 24P P=0.5X100MM K	
CON10	9728819600	CONN FFC	FFC 12P P=1.25X240MM K	
J1	9728819400	CONN AS	UL1061 #28 7P 130MM TO HOUSING	

CHASSIS BACK ASS'Y [9CDM052000]

Location	Part Code	Part Name	Description	Remark
TU001	9737650901	TUNER MODULE	KST-MV114FA1-0	

15. Electrical Parts List [Option Table]

● INPUT Option

PCB	LOC.	S/N	NAME	DESCRIPTION	W/O INPUT	With Optical	With Coaxial
I/O	CE401	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	X	O	X
	HC401	HCBK104KBA	CHIP CERA	50V X7R 0.1MF K 1608	X	O	X
	HC402	HCQK220JBA	CHIP CERA	50V CH 22PF J 1608	X	O	X
	HL401	HLC479J03A	CHIP COIL	4.7UH CHIP 2012	X	O	X
	HR401	HRFT472JBA	CHIP RES	1/10 4.7K OHM J 1608	X	O	X
	IC408	1RX0C0805-	IC	OC0805 RX	X	O	X
	HR473	HRFT000JBA	R CHIP	1/10 0 OHM J 1608	X	O	X
	HC470	HCQK220JBA	CHIP CERA	50V CH 22PF J 1608	X	X	O
	HR407	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	X	X	O
	HR408	HRFT222JBA	CHIP RES	1/10 2.2K OHM J 1608	X	X	O
	HR470	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	X	X	O
	HR471	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	X	X	O
	HR472	HRFT000JBA	R CHIP	1/10 0 OHM J 1608	X	X	O
	CW410	9728819300	CONN WAFER	PH-02A (P=2.0MM,CWB WAFER 2P)	X	X	O
COAXIAL	CN410	9728819300	CONN AS	#26 2P PITCH 2.0 70MM BOARD IN	X	X	O
	CE404	CEXP1H108V	C ELECTRO	50V REM 0.1MF 4*5	X	X	O
	HC407	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	X	X	O
	HC408	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	X	X	O
	HD423	DZDS160---	DIODE SW CHIP	KDS160	X	X	O
	HL403	HLC229J02A	COIL CHIP	2.2UH CHIP 1608	X	X	O
	HR404	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	X	X	O
	HR405	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	X	X	O
	HR406	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	X	X	O
	J405	9736324100	JACK RCA	JK010055HN	X	X	O

● MPEG IC Option

PCB	LOC.	S/N	NAME	DESCRIPTION	4318/4408	6028
I/O	HR476	HRFT000JBA	R CHIP	1/10 0 OHM J 1608	OPEN	O
	HR477	HRFT000JBA	R CHIP	1/10 0 OHM J 1608	OPEN	O
	HR478	HRFT000JBA	R CHIP	1/10 0 OHM J 1608	O	OPEN
	HR479	HRFT000JBA	R CHIP	1/10 0 OHM J 1608	O	OPEN

15. Electrical Parts List [Option Table]

● VIDEO OUTPUT Option (SCART VS COMPONENT)

No.	LOC.	PARTS NAME	Scart		No Scart, No Component		Component	
			DESC	PART CODE	DESC	PART CODE	DESC	PART CODE
1	B401	PCB INOUT	80 X 169	9CD6586800	80 X 169	9CD6586800	80 X 169	9CD6587500
2	J403	JACK SCART	JACK SCART	9736324800		X		X
3	J404	JACK RGB		X		X	JACK RGB	9736323900
4	CE428	C ELECTRO	470MF 16V	CEXF1C471V		X		X
5	HC437	C CHIP CERA	50V CH 100PF	HCQK101JBA		X		X
6	HC438	C CHIP CERA	50V CH 100PF	HCQK101JBA		X		X
7	HD417	DIODE CHIP	KDS160	DZDS160---		X		X
8	HD418	DIODE CHIP	KDS160	DZDS160---		X		X
9	HD421	DIODE CHIP	KDS160	DZDS160---		X		X
10	HD422	DIODE CHIP	KDS160	DZDS160---		X		X
11	HL410	COIL CHIP	120 ohm 100MHz	HLC104J01A		X		X
12	HL411	COIL CHIP	120 ohm 100MHz	HLC104J01A		X		X
13	HL428	COIL CHIP	120 ohm 100MHz	HLC104J01A		X		X
14	HR461	R CHIP	1/10 100K ohm J	HRFT104JBA		X		X
15	HR462	R CHIP	1/10 100K ohm J	HRFT104JBA		X		X
16	HR463	R CHIP	1/10 75 ohm J	HRFT750JBA		X		X
17	HR464	R CHIP	1/10 75 ohm J	HRFT750JBA		X		X
18	HR465	R CHIP	1/10 1K ohm J	HRFT102JBA		X		X
19	HR466	R CHIP	1/10 1K ohm J	HRFT102JBA		X		X
20	HR467	R CHIP	1/10 220 ohm J	HRFT221JBA		X		X
21	HR458	R CHIP	1/10 390 ohm J	HRFT391JBA		X		X
22	HR459	R CHIP	1/10 47K ohm J	HRFT473JBA		X		X
23	HR460	R CHIP	1/10 68 ohm J	HRFT680JBA		X		X
24	HQ405	CHIP TR	KTC3875	TZTC3875--		X		X
25	HQ406	CHIP TR	KRC107S	TZRC107S--		X		X
26	HQ407	CHIP TR	KRA102S	TZRA102S--		X		X
27	HQ408	CHIP TR	KRC107S	TZRC107S--		X		X
28	HQ409	CHIP TR	KRA102S	TZRA102S--		X		X
29	HQ410	CHIP TR	KRC107S	TZRC107S--		X		X