SN: 9CD8306200

Service Manual

MP3/CD Stereo Radio Cassette Recorder

Model : RM-711AG
RM-711AUC

DAEWOO DAT CO., LTD.

Feb. 2008

MP3/CD Stereo Radio Cassette Recorder

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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 OF 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 UNINSULTED "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.

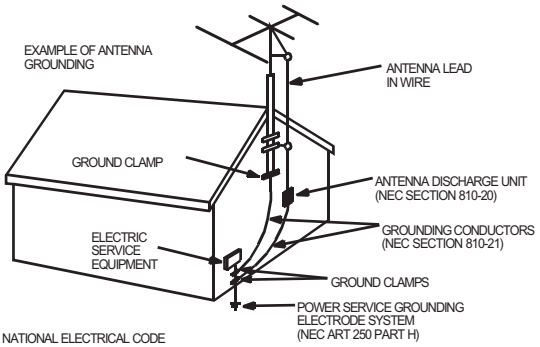
PORTABLE CART

Figure 2

2. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by th 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.

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-dis charge 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.

Specifications

GENERAL section

Power Supply : AC 120/127V 60Hz for America
AC 220/230V 50Hz for Europe

Power Consumption : 16 Watt

Output Power(RMS) : 2.5 W x 2

Terminal impedance : Speaker 4 ohm / Phones 32 ohm

Unit Dimensions main: 155 (W) x 239 (H) x 197 (D) mm
speaker: 134 (W) x 239(H) x 145 (D) mm

Net Weight main: 2.0 kg
speaker: 2 x 1.2 kg

TAPE section

Tape Speed : 4.75 cm/sec
Recording System : AC BIAS
Erasing System: MAGNET
Frequency Response : 125 ~ 8000 Hz

CD section

Channels : 2 Channels
S/N Ratio : 50 dB
Sampling Frequency : 44.1 kHz

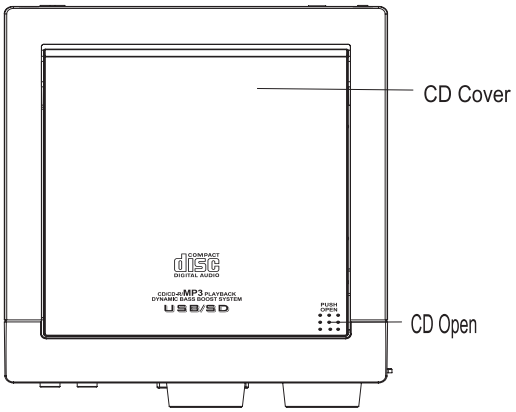
RADIO section

Tuning Frequency AM : 530 ~ 1620 KHz for Europe / AM : 530 ~ 1710 KHz for America
FM : 87.5 ~108.5 MHz

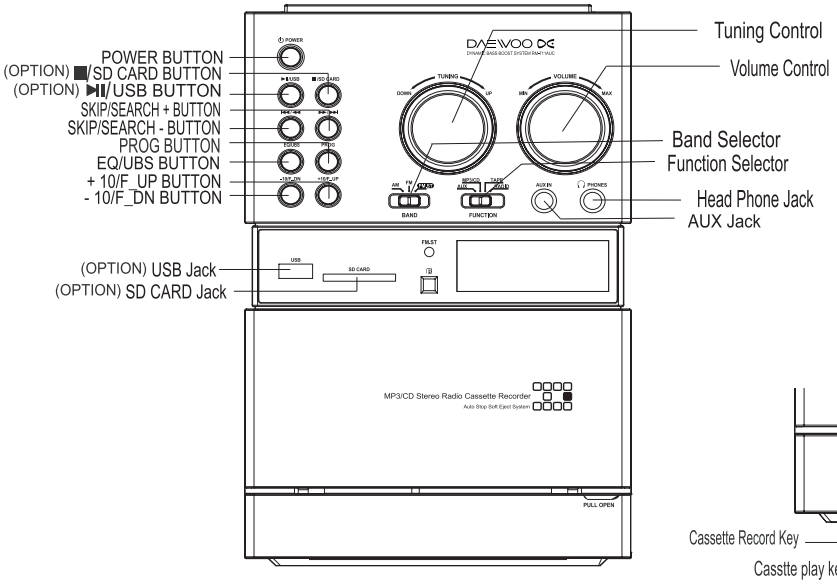
2

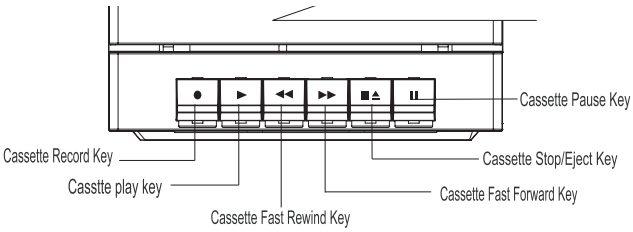
Location of Users Controls

Top View

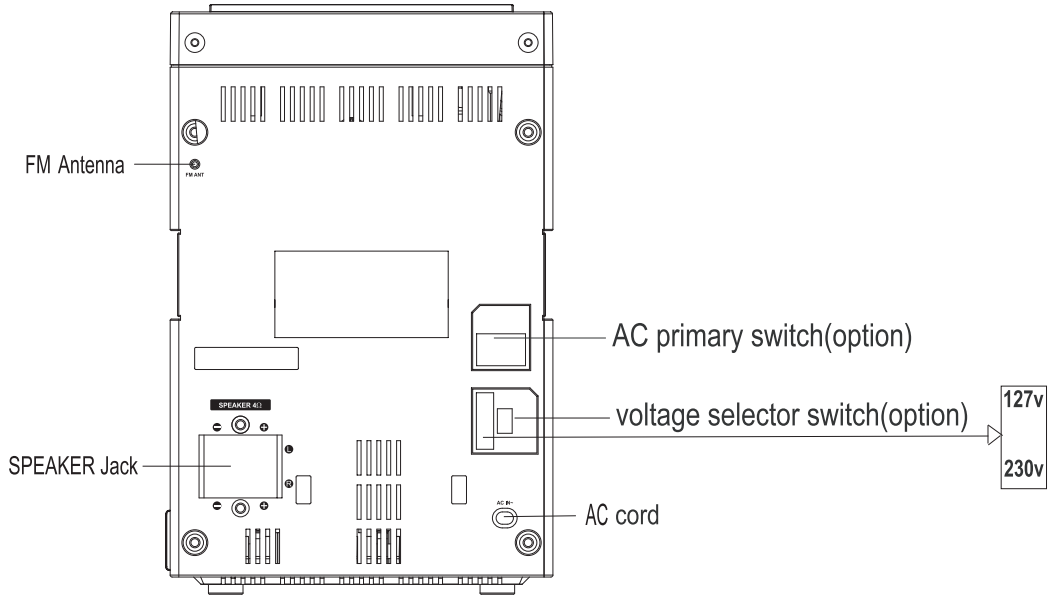


Front View



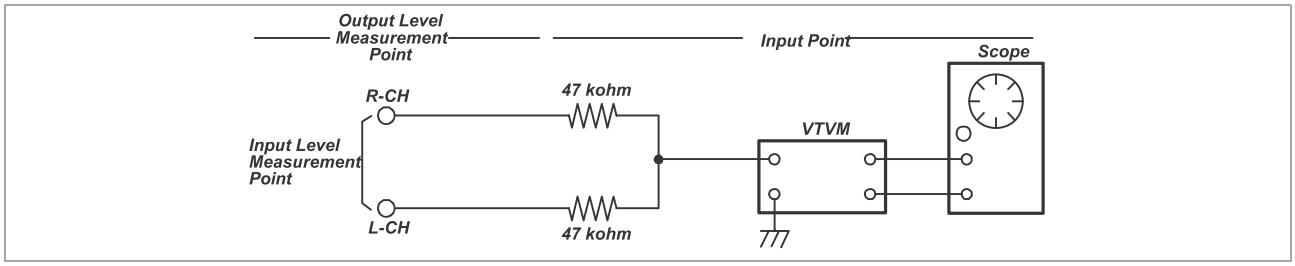


Rear View



Adjustments

• TAPE Section



Test Tape be used

Tape	Contents	Use
MTT-111N	3 KHz	Tape Speed Adjustment
MTT-114N	10 KHz	Head Azimuth Adjustment
MTT-5511	Blank	Record Frequency Property

HEAD ADJUSTMENT (AZIMUTH)

1. 10KHz test tape(example: MTT-114N) must be used for this adjustment.
2. Connect to VTVM or oscilloscope to the headphone jack or speaker terminal.
3. Press the play button.
4. Adjust the azimuth by using a screw driver to maintain the max. L&R output voltage.
5. Please secure the azimuth position by using locking paint.

RECORDING BIAS OSCILLATOR FREQUENCY ADJUSTMENT

1. Connect the frequency counter to CE614(—)pin, GND.
2. Press the REC button.
3. Adjust L600 to obtain 80 KHz±0.5

TAPE ALIGNMENT CHART								
Step	Item		Reference Value	Test Tape	Adjust Point	Test Point	Note	FIG.
1	Tape Speed Adjustment	Normal	2,960~3,020Hz	MTT-111N	Cass Deck Motor	Line Out L/R Channel	Confirm Wow & Flut-ter (within 0.35%)	FIG.1
			2,960~3,020Hz	MTT-111N	Cass Deck Motor	Line Out L/R Channel	Confirm Tape Speed of end position after adjustment at tape start position	FIG.1
2	Azimuth Adjustment		Maximum Level Phase:Within90∞	MTT-114N	Head Screw	Line Out L/R Channel		FIG.2,3,4
3	Recording Bias Oscillator Frequency Adjustment		80 KHz±0.5	MTT-5511	L600	CE614(—)pin,GND	Adjust with frequency counter connected.	FIG.1

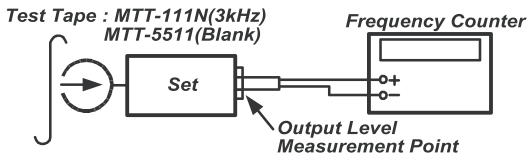


FIG. 1 : Tape Speed & Record Bias Oscillator Frequency Adjust Circuit

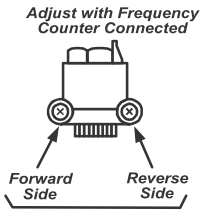


FIG. 2 : Tape Azimuth Adjust Location (Record/Playback Head)

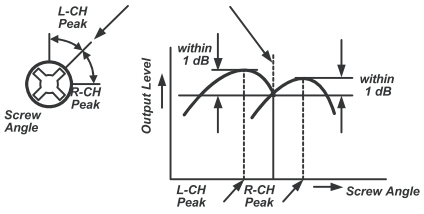


FIG. 3 : Tape Azimuth Adjust Head Screw & Waveform

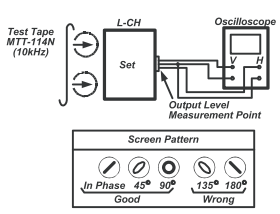
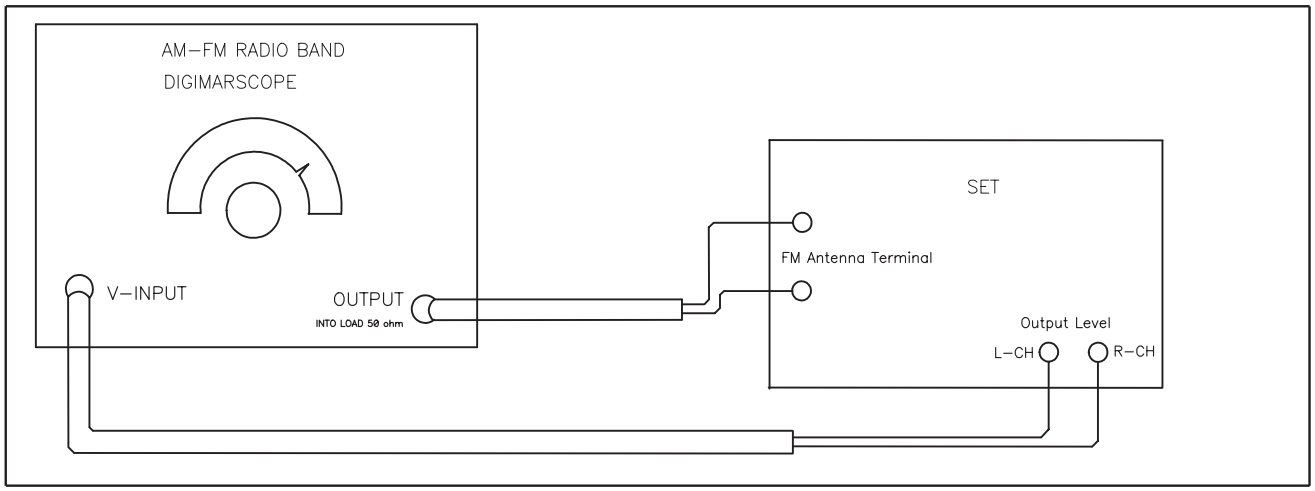


FIG. 4 : Tape Azimuth Adjust Circuit & Waveform

• TUNER Section

FM TEST EQUIPMENT



1. Adjust L003 to obtain 87.5MHz±0.5.
2. Adjust PVC2(FM OSC) to obtain 108MHz±0.5.
3. Adjust L002 to obtain maximal waveform for 90MHz.
4. Adjust PVC1(FM ANT) to obtain maximal waveform for 106MHz.

Item	Input Circuit Setup	Output Circuit Setup	S.S.G setting	Adjust point	Adjustment
FM Frequency Range Adjustment	Connect output signal generator to FM ANT terminal of D001(—) pin	Connect V-Input signal generator to HC206/ HC207 pin	87.5MHz Dev.26dB	L003	Adjust for 87.5MHz±0.5.
			108MHz Dev.26dB	PVC2(FM OSC)	Adjust for 108MHz±0.5.
FM RF	Connect output signal generator to FM ANT terminal of D001(—) pin	Connect V-Input signal generator to HC206/ HC207 pin	90MHz Dev.26dB	L002	Adjust maximal waveform for 90MHz
			106MHz Dev.26dB	PVC1(FM ANT)	Adjust maximal waveform for 106MHz

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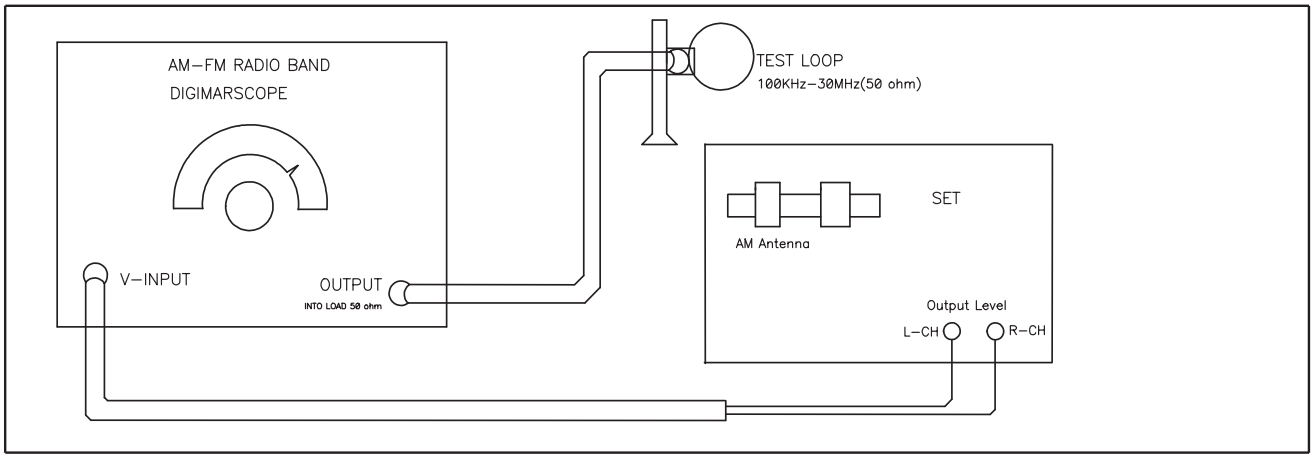
• TUNER Section

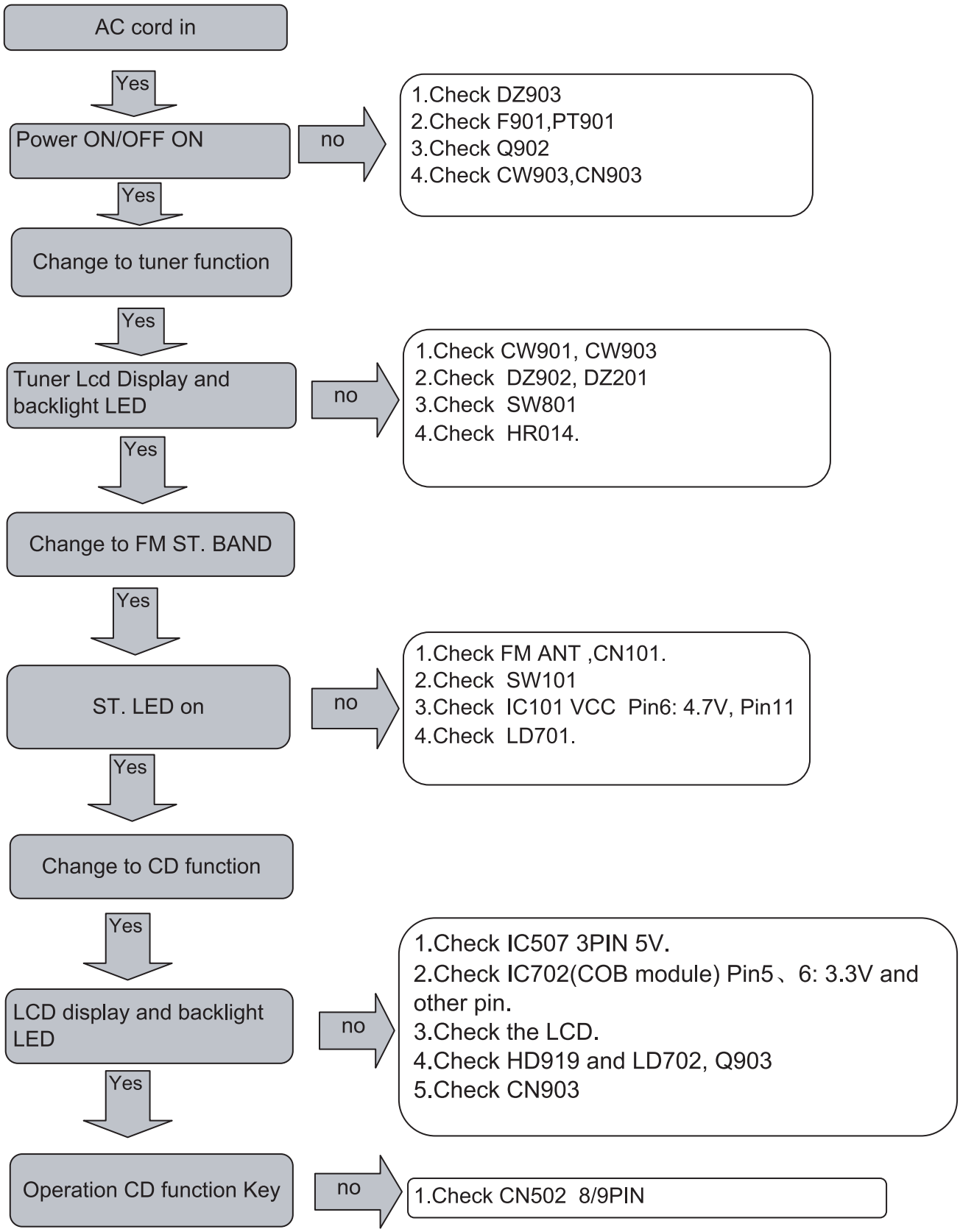
AM TEST EQUIPMENT



1. Adjust L011 to obtain 530KHz±10.
2. Adjust PVC4(AM OSC) to obtain 1620KHz±30.
3. Adjust Coil AM ANT to obtain maximal waveform for 600KHz.
4. Adjust PVC3(AM ANT) to obtain maximal waveform for 1400KHz.

Item	Input Circuit Setup	Output Circuit Setup	S.S.G setting	Adjust point	Adjustment
AM Frequency Range Adjustment	Connect output signal generator to test loop	Connect V-Input signal generator to HC206/ HC207 pin	530KHz Dev.60dB	L011	Adjust for 530KHz±10.
			1620KHz Dev.60dB	PVC4(AM OSC)	Adjust for 1620KHz±30.
AM RF	Connect output signal generator to test loop	Connect V-Input signal generator to HC206/ HC207 pin	600KHz Dev.60dB	Coil AM ANT	Adjust maximal waveform for 600KHz
			1400KHz Dev.60dB	PVC3(AM ANT)	Adjust maximal waveform for 1400KHz

- **FRONT Section**



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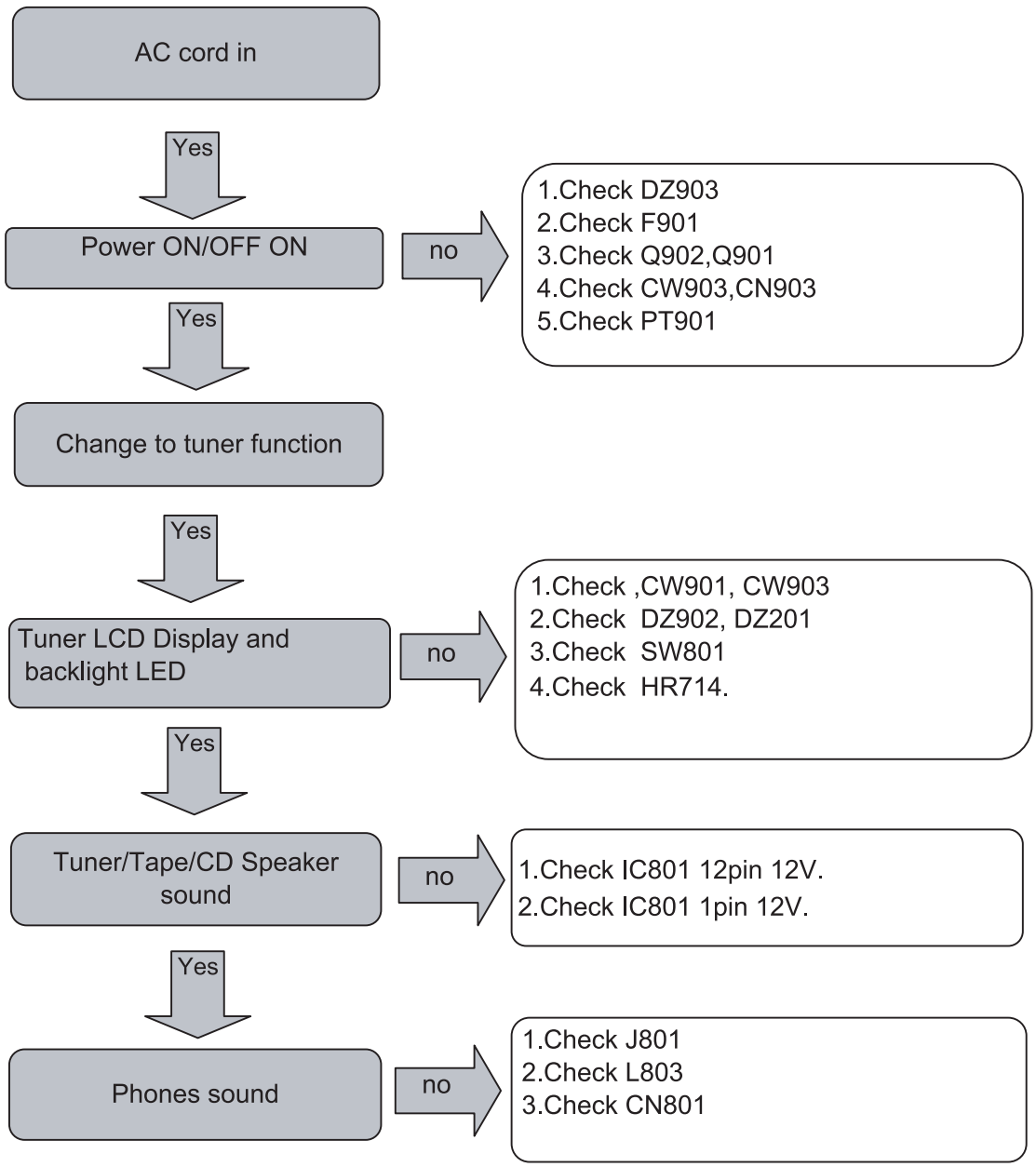
- **POWER & AMP Section**



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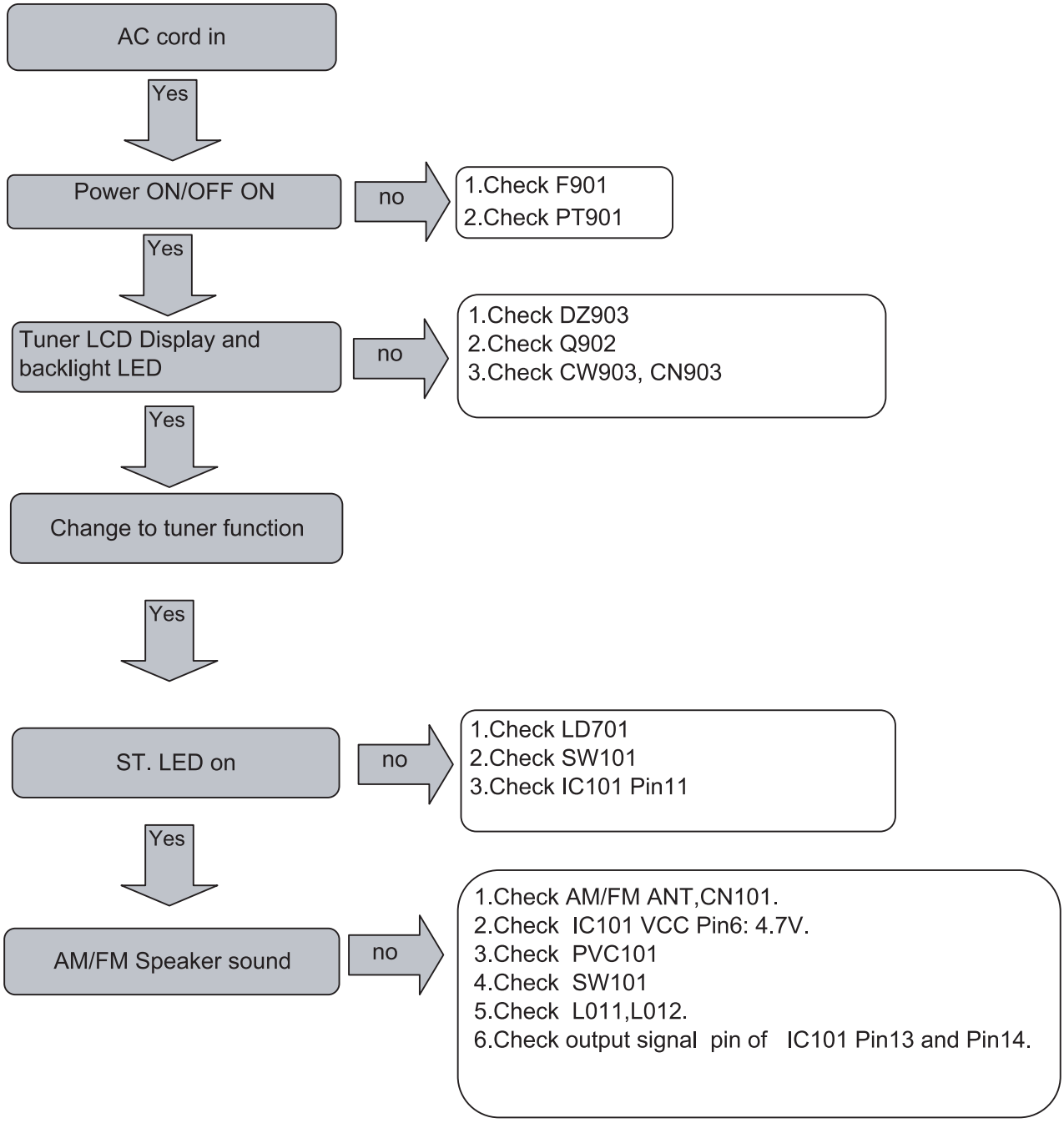
- **TUNER Section**



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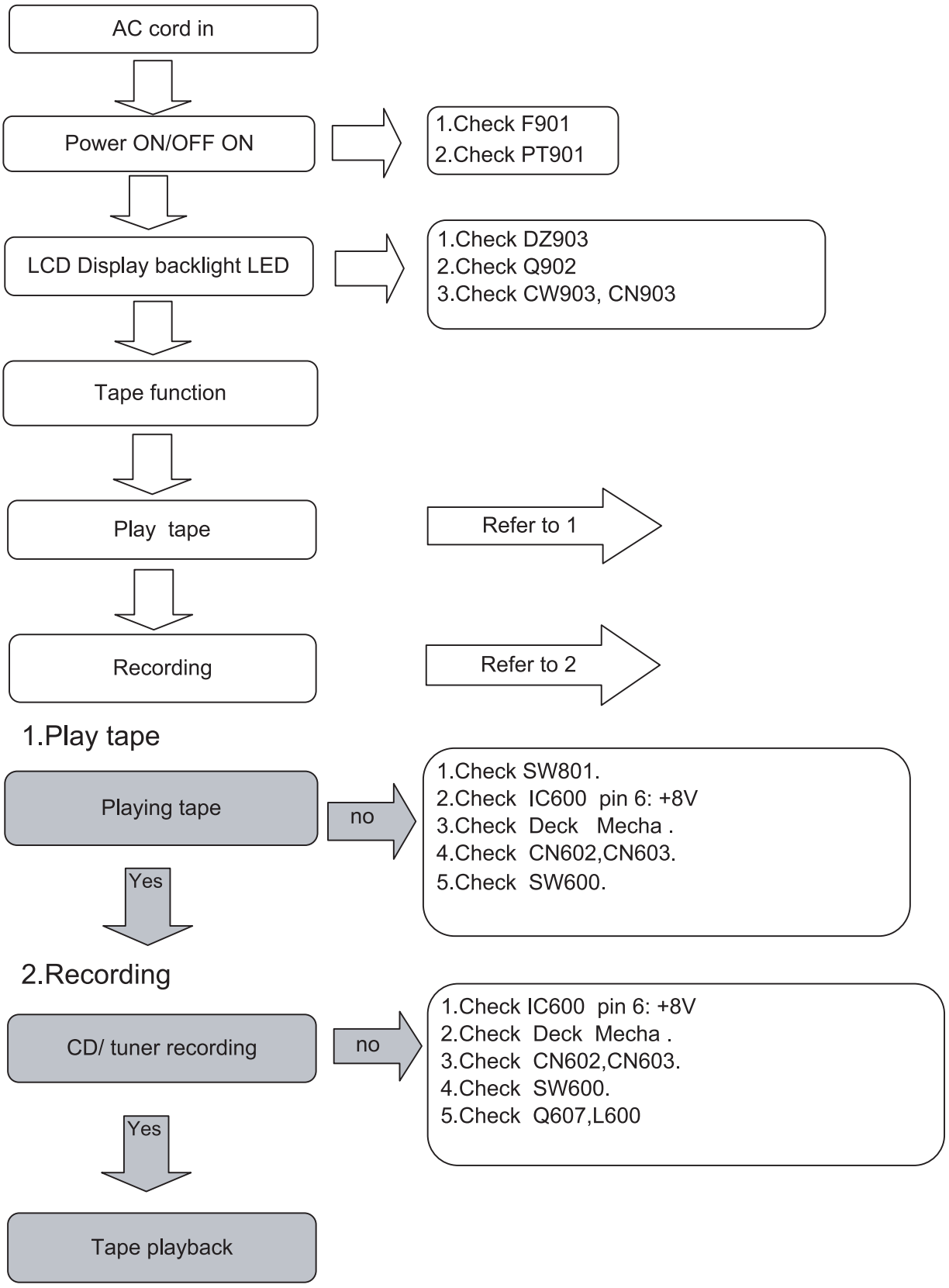
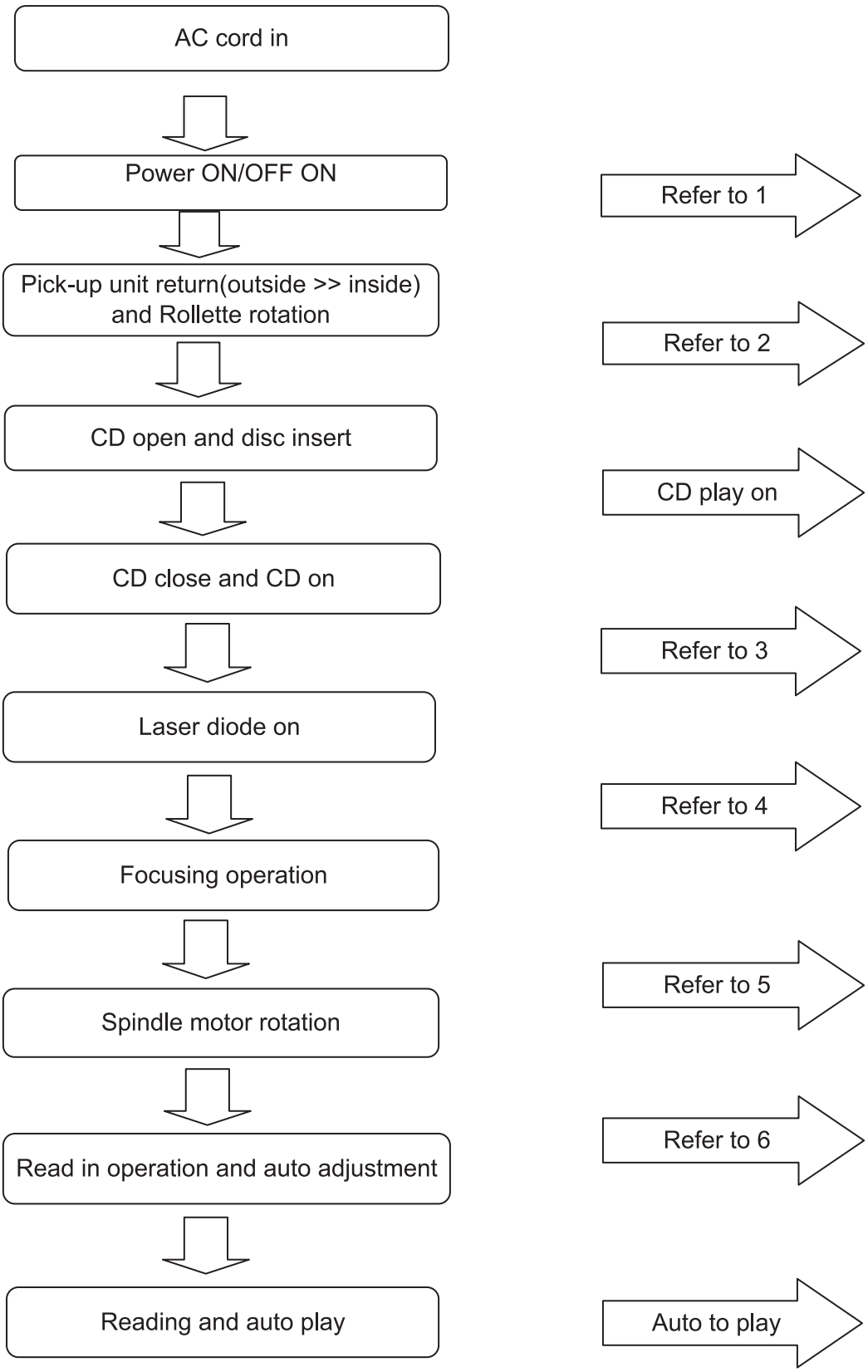
- **TAPE Section**



- CD/**MP3 Section**



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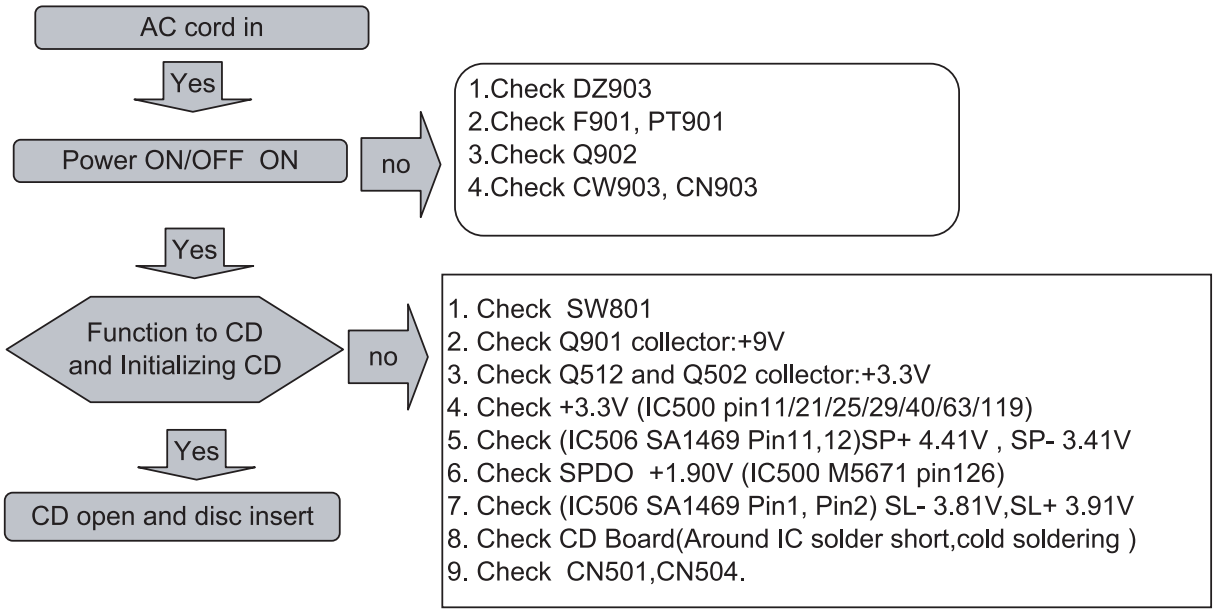
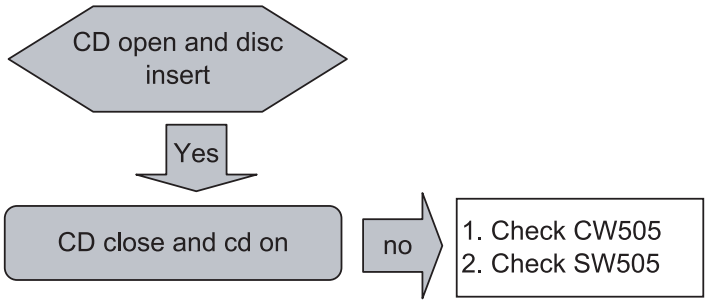
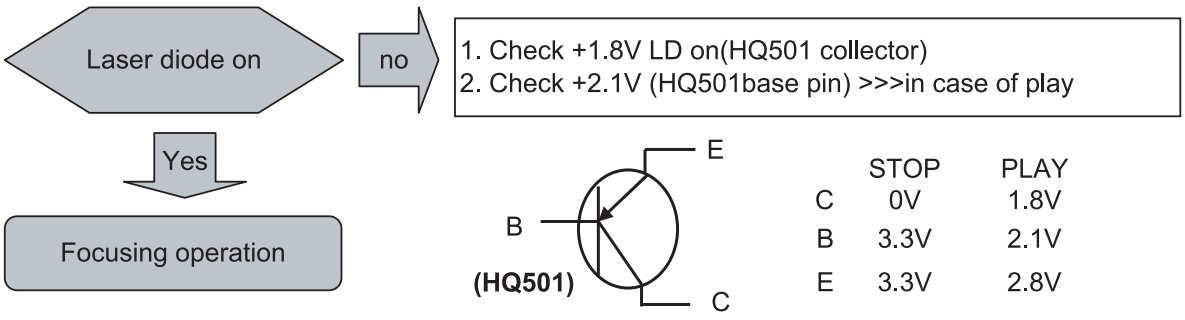
1. Pick-up unit return



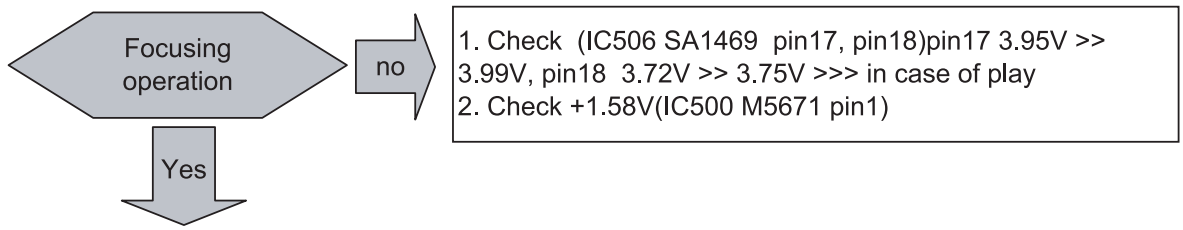
2. CD open and disc insert



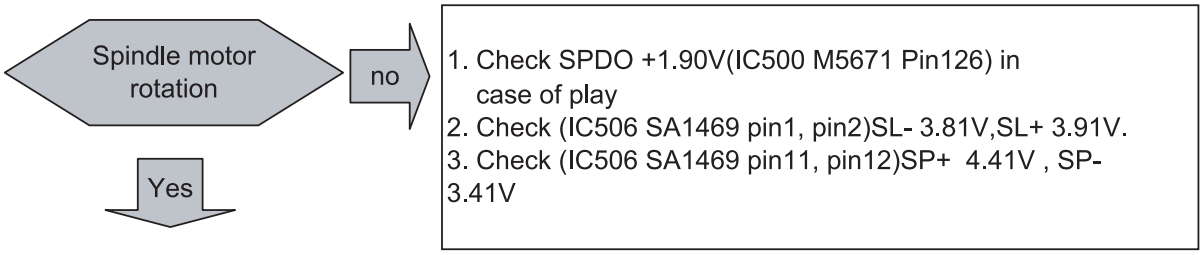
3. Laser diode on



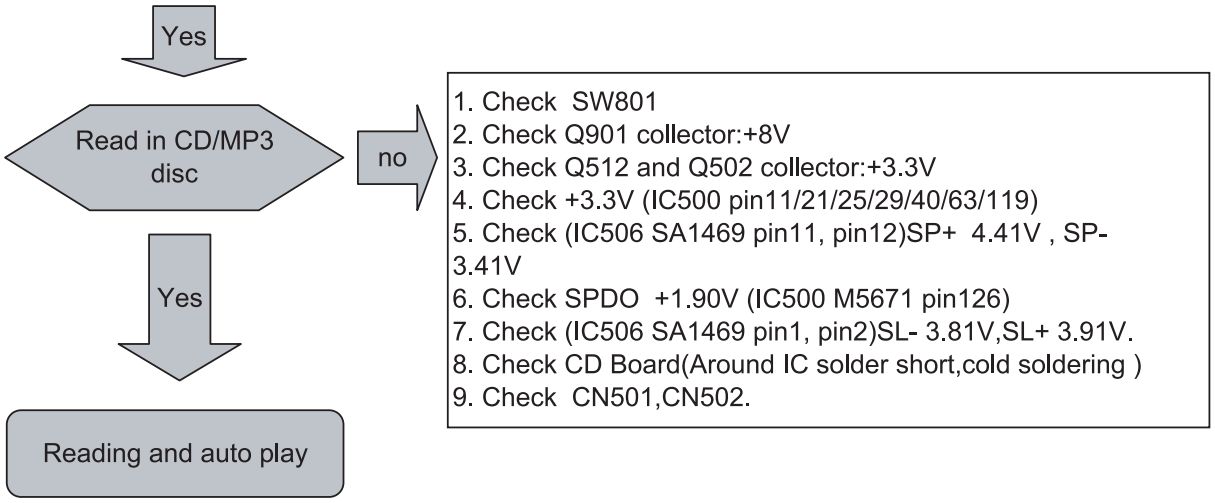
4. Focusing operation



5. Spindle motor rotation



6. Read in operation



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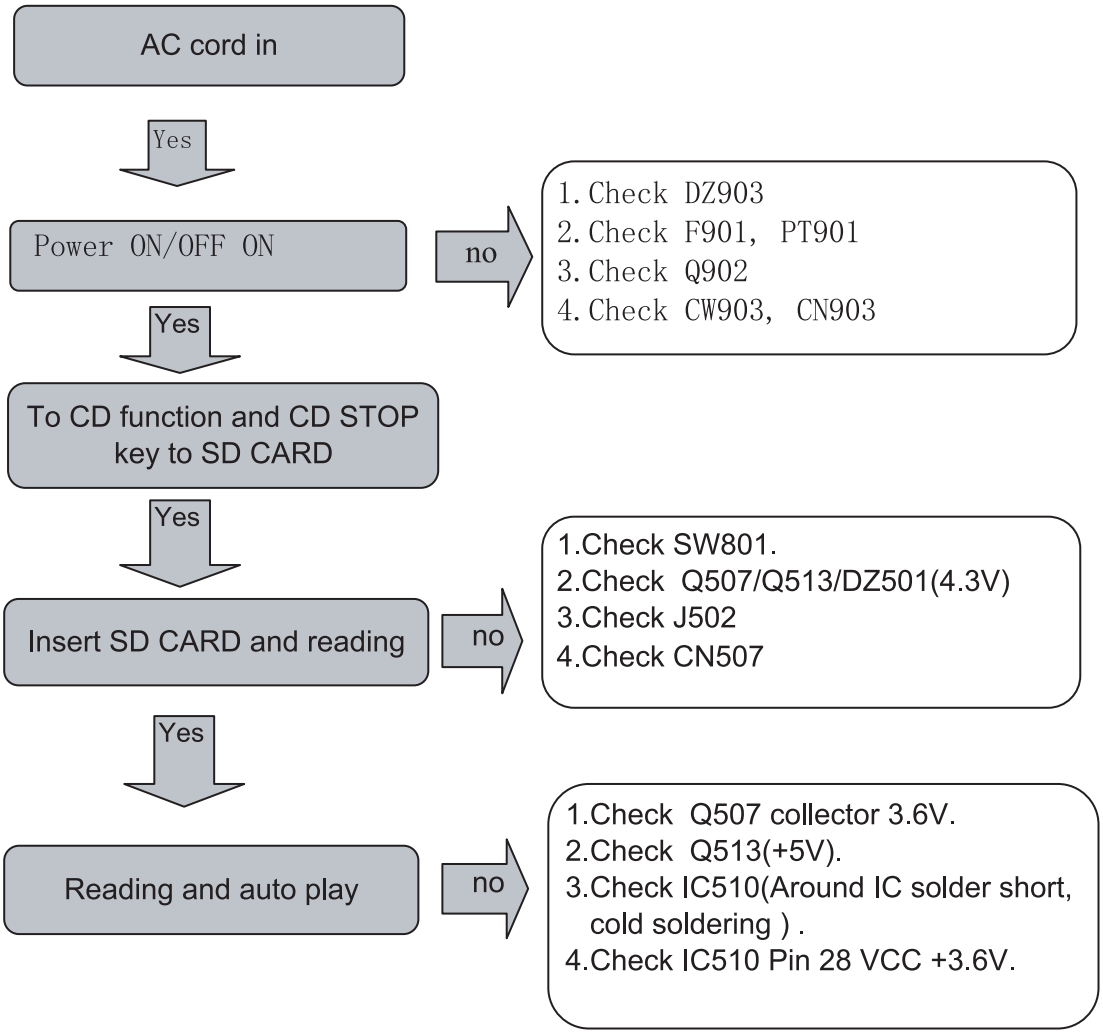
- **SD CARD Section**



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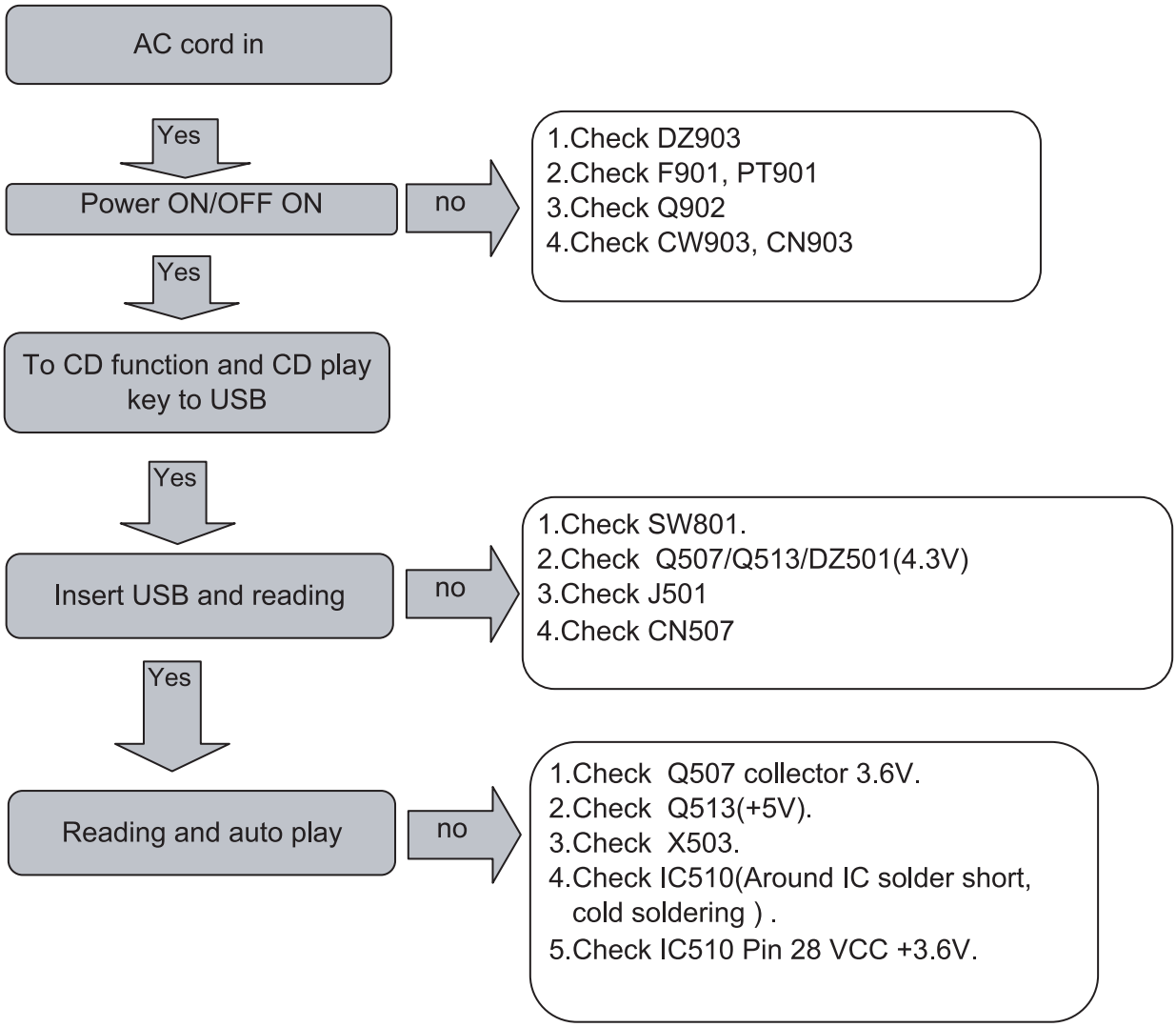
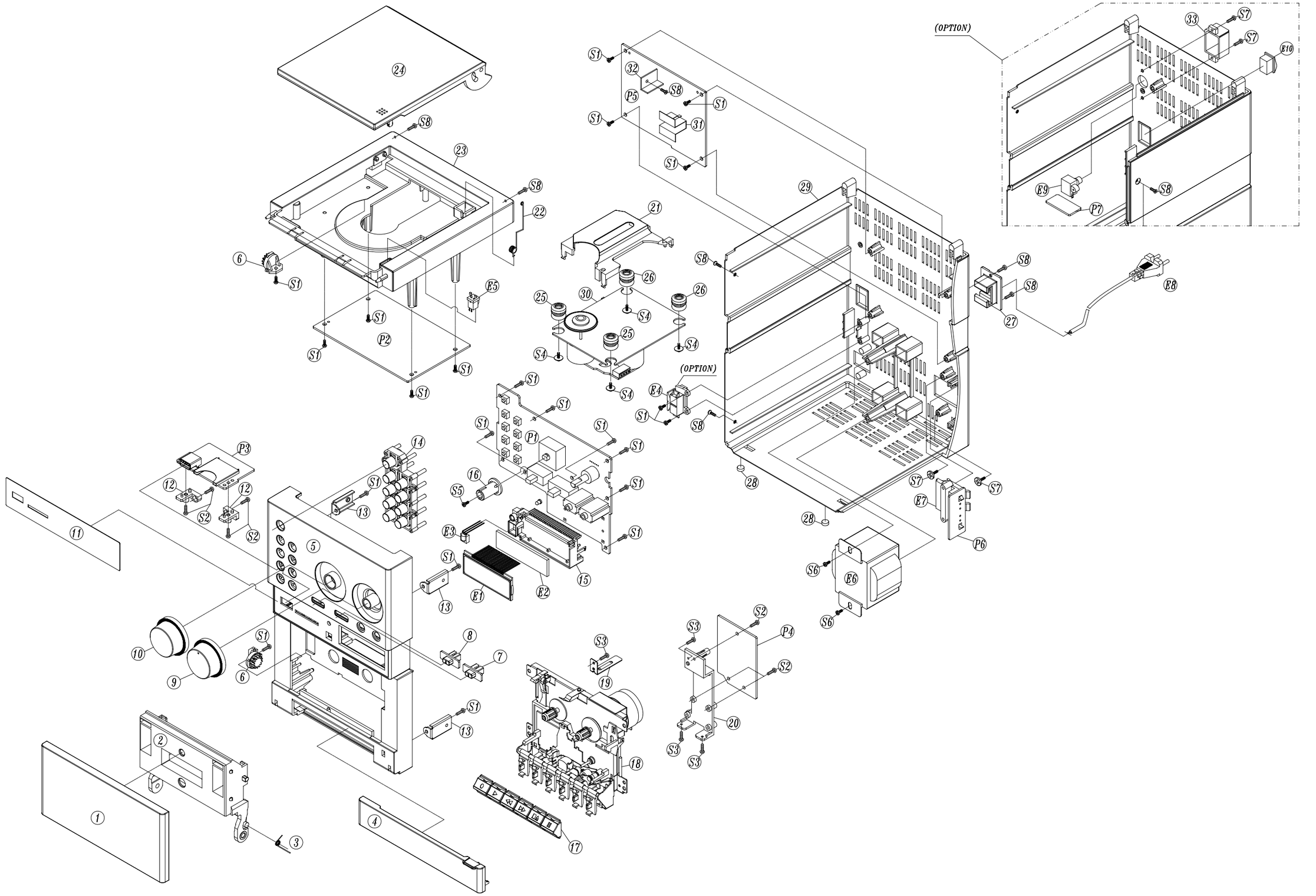
- **USB Section**



Exploded view and parts list



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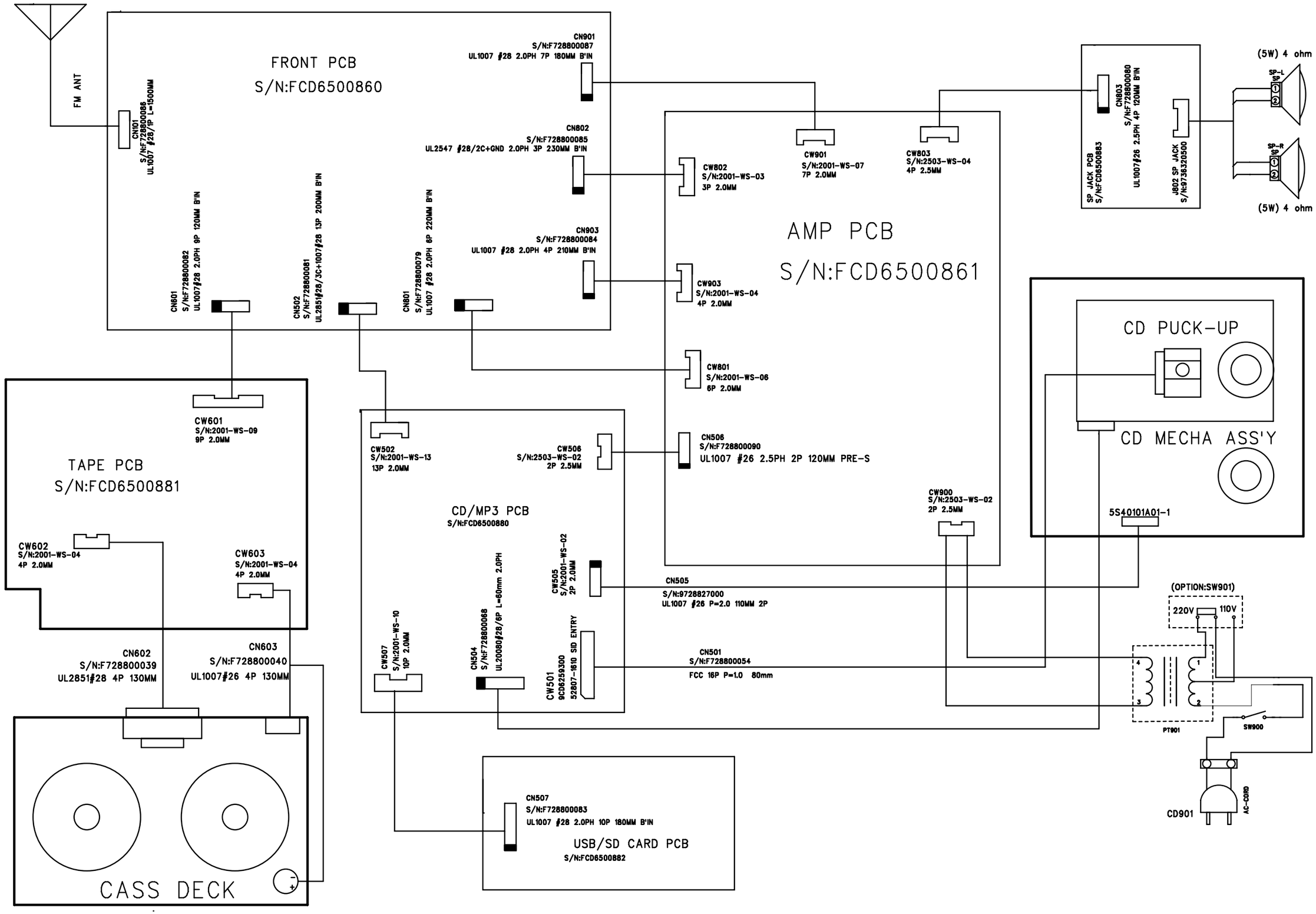
Exploded view and parts list

No.	PARTS NAME	CODE NO.	DESCRIPTIONS	Q'TY	REMARKS
1	DOOR COVER	9CD0423700	HIPS	1	
2	DOOR FRAME	9CD0615400	ABS	1	
3	SPRING CST	9CD3010400	SUS Φ0.9	1	
4	COVER KNOB DECK	9CD0423900	HIPS	1	
5	PANEL FRONT	9CD0319800	HIPS	1	
6	DAMPER AS	9CD26032ST-1	DAMPER(BASE+GEAR+OIL)	2	
7	KNOB FUNCTION	9CD1367300	HIPS	1	
8	KNOB BAND	9CD1367400	HIPS	1	
9	KNOB VOLIME	9CD1367100	HIPS	1	
10	KNOB TUNING	9CD1367200	HIPS	1	
11	WINDOW LCD	9CD1626200	PC T0.5	1	
12	BRACKET PCB R/L	9CD24162R0/L0	HIPS	Each 1	OPTION
13	BREAKET CABINET	9CD2421200	SECC T1.0	4	
14	KNOB POWER	9CD1367000	HIPS	1	
15	HOLDER LCD	9CD2306600	ABS	1	
16	HOLDER TUNING	9CD2306700	HIPS	1	
17	KNOB DECK	9CD1367500	HIPS	1	
18	CASS DECK	9CD601F100	H21SB08-D62-7E3G5	1	
19	GUIDE RECORD	9CD2508300	STS T0.6	1	CASS DECK INCLUDED
20	BRACKET PCB TAPE	9CD2419401	HIPS	1	
21	COVER PICK UP	9CD0421400	ABS	1	
22	SRRING CD	9CD3009201	SUS 304 Φ0.9	1	
23	COVER TOP	9CD0423800	HIPS	1	
24	DOOR CD	9CD1818400	HIPS	1	
25	RUBBER DAMPER	97L42023R0	SILICON GREEN	2	
26	RUBBER DAMPER	97L42023R1	SILICON RED	2	
27	HOLDER AC	9CD2305610	HIPS	1	
28	CUSHION FOOT	9CD4207700	URETHANE	2	
29	COVER BACK	9CD0423600	HIPS	1	
30	CD PICK UP	9CD6014820	R801	1	9CD6014800 DA11B3VZ
31	HEAT SINK IC	9CD4414010	SECC T0.8	1	
32	HEAT SINK TR	9CD4414100	SECC T0.8	1	
33	COVER ANT	9CD0413400	SECC	1	OPTION
P1	PCB FRONT	FCD6500860	140X110X1.6T	1	
P2	PCB CD/MP3	FCD6500880	121X94X1.6T	1	
P3	PCB USB/SD CARD	FCD6500882	60X40X1.6T	1	OPTION
P4	PCB TAPE	FCD6500881	64X61X1.6T	1	
P5	PCB AMP	FCD6500861	150X82X1.6T	1	
P6	PCB SPEAKER JACK	FCD6500883	48X20X1.6T	1	
P7	PCB ANT JACK	FCD6500870	50X20X1.6T	1	OPTION

No.	PARTS NAME	CODE NO.	DESCRIPTIONS	Q'TY	REMARKS
E1	LCD	DH0323ATP-	H0323ATP	1	
E2	LED	JE-6418B-01	6418B	1	
E3	REMOCON SENSOR	1DT1838---	DT1838	1	
E4	DUBLE VOLT SW	5S30102377-1	ZH-06-01	1	OPTION
E5	PUSH LOCK	5S40101A01-1	DLS-02-W-1	1	
E6	TRANS POWER	5TP8048F72	EI=48X30 230V 50HZ	1	
E7	JACK SPEAKER	9736320500	CJ-9007-040	1	
E8	CORD AC	9736909011	1.8M BLACK H03VVH2-F 2X0.75MM WITH PLUG LY-21&SR114	1	
E9	JACK ANT	9736324900	IF-A	1	OPTION
E10	POWER SWITCH	5S20101F01	OR-L-11B-BB	1	OPTION
S1	SCREW TAPPTITE	7173301011	TT2 BIN 3X10 MFZN	27	
S2	SCREW TAPPTITE	7173261011	TT2 BIN 2.6X10 MFZN	7	
S3	SCREW TAPPTITE	7171203512-1	TT2 PAN 2.0X3.5 BK	3	
S4	SCREW WASHER	9CD3103600	TT2 WAS 2.6X8+D10 MFZN	4	
S5	SCREW TAPPTITE	7003263511	MACHINE(2.6x3.5)	1	
S6	SCREW TAPPTITE	7173401011	TT2 BIN 4X10 MFZN	2	
S7	SCREW TAPPTITE	9CD3102400	TT2 3X10+D14 MFZN	2	
S8	SCREW TAPPTITE	7175300812	TT2 FLT 3X8 MFZN 3CR	9	

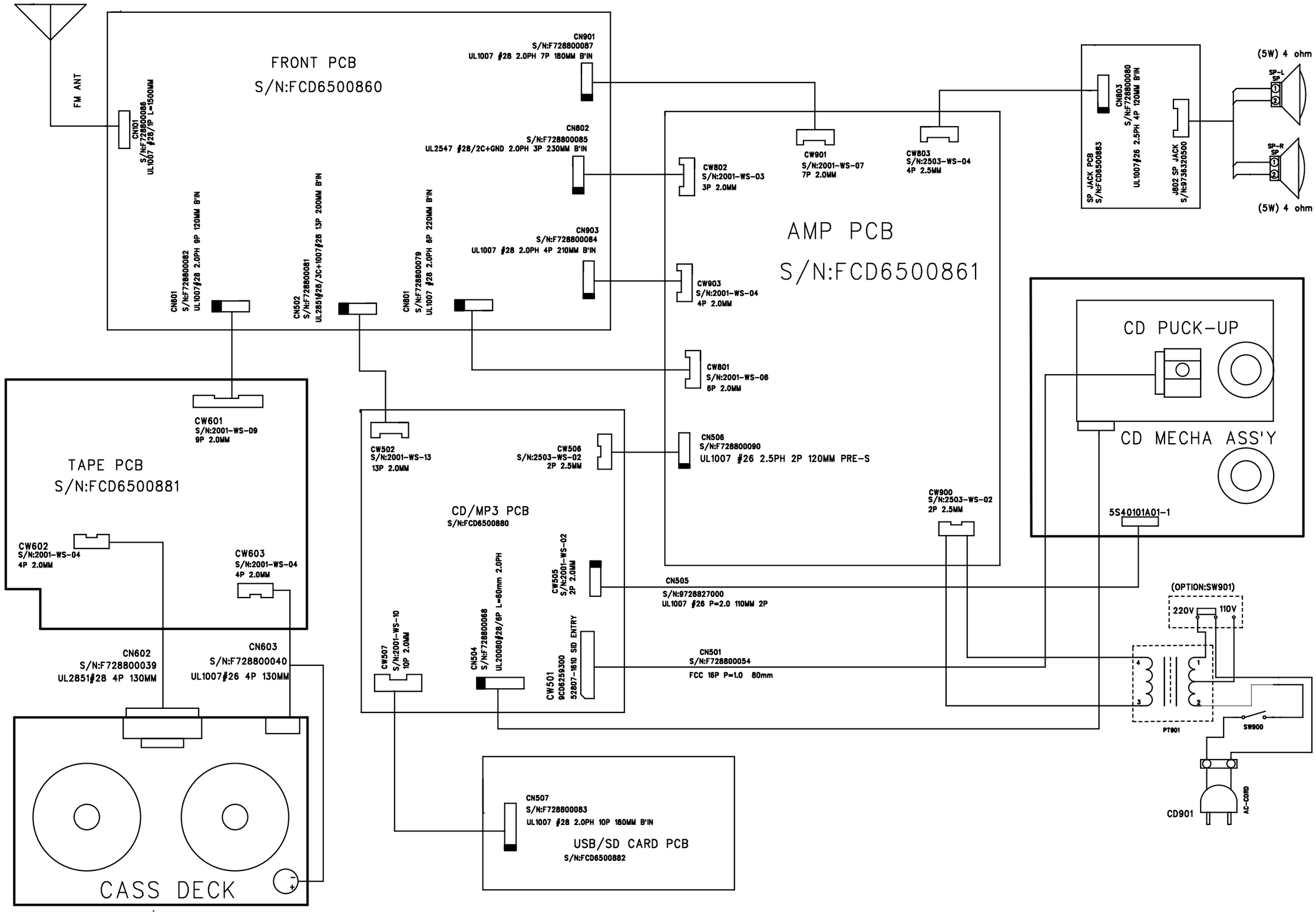
6

Wiring Diagram



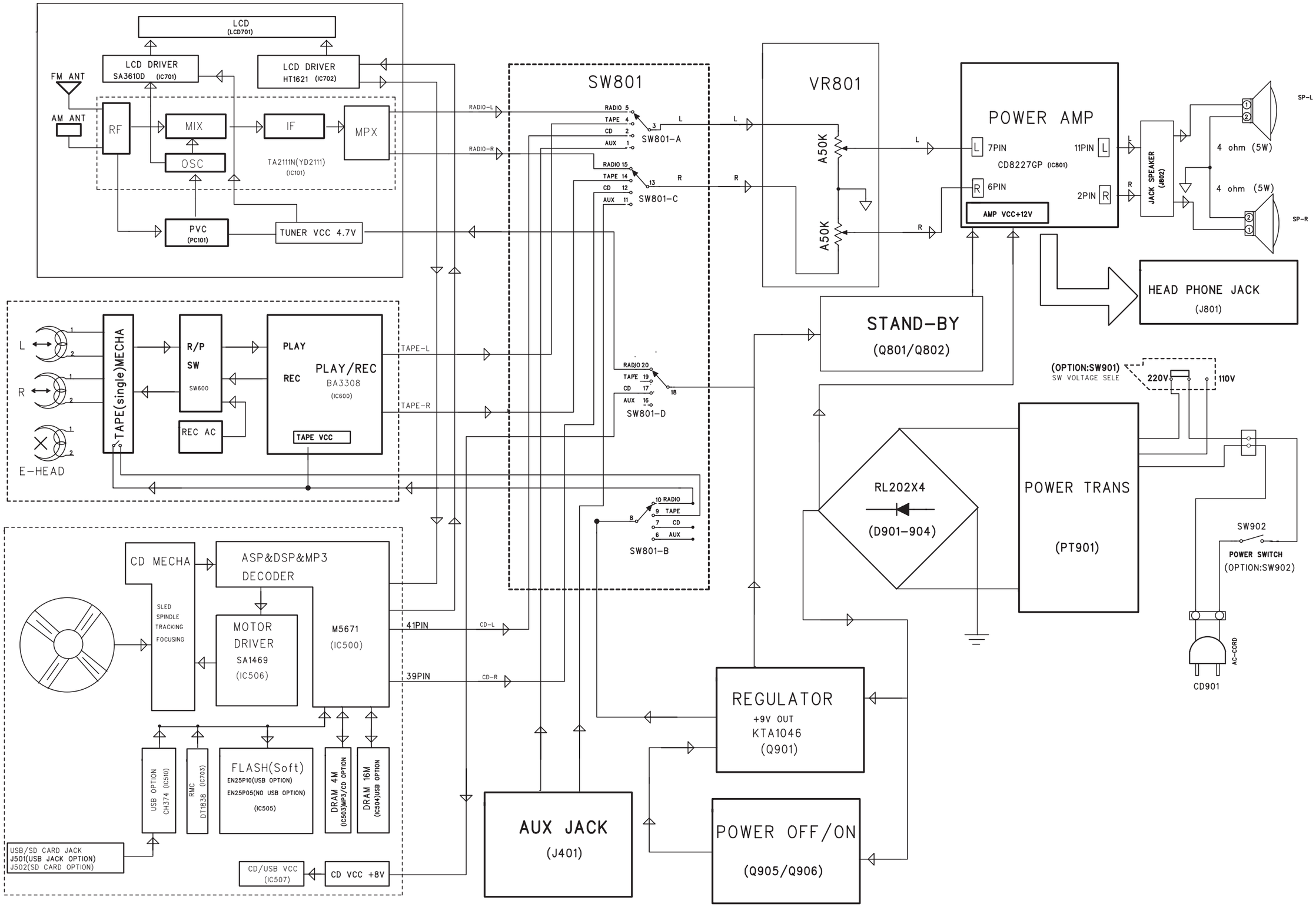
7

Wiring Diagram



7

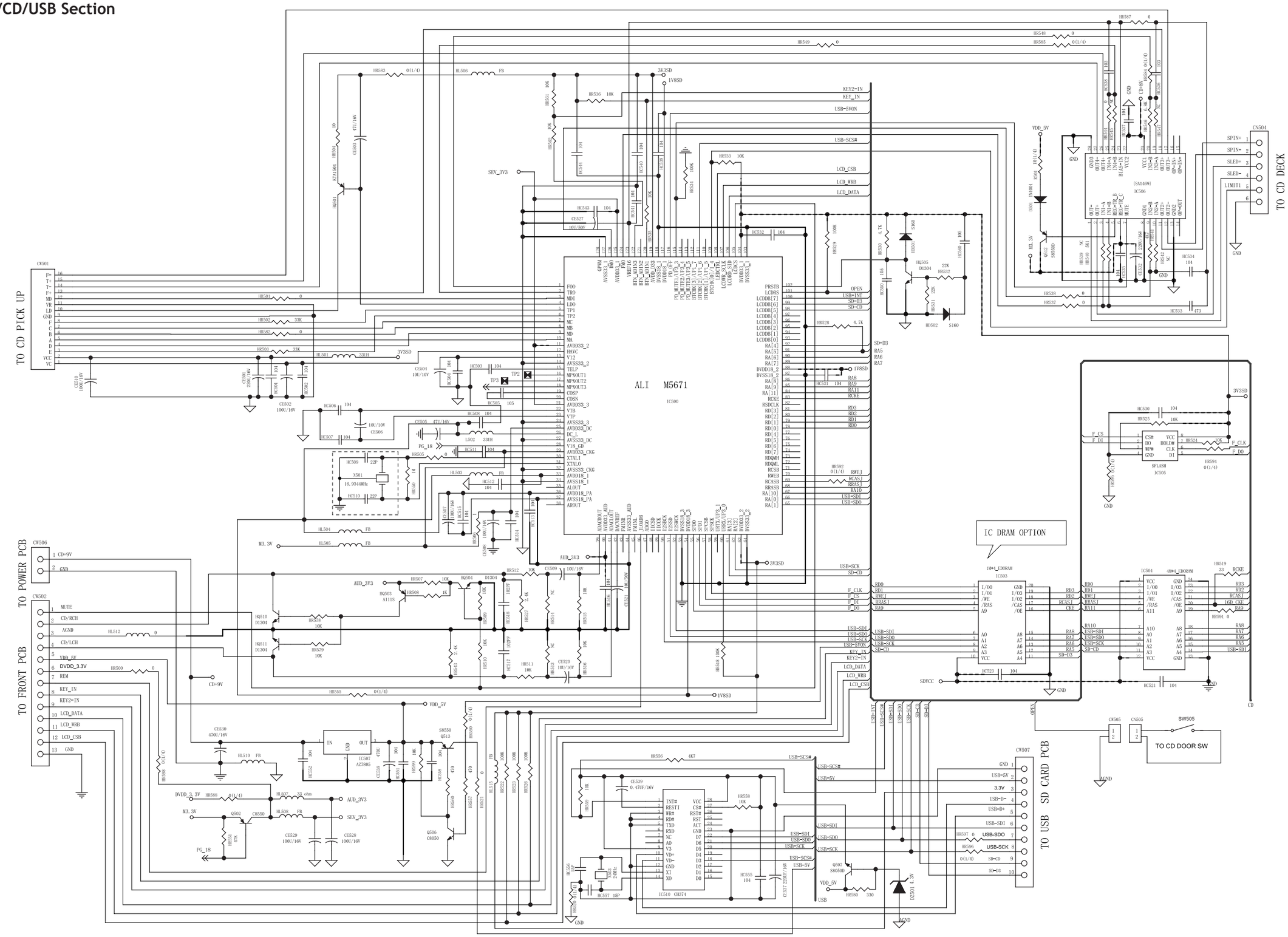
Block Diagram



8

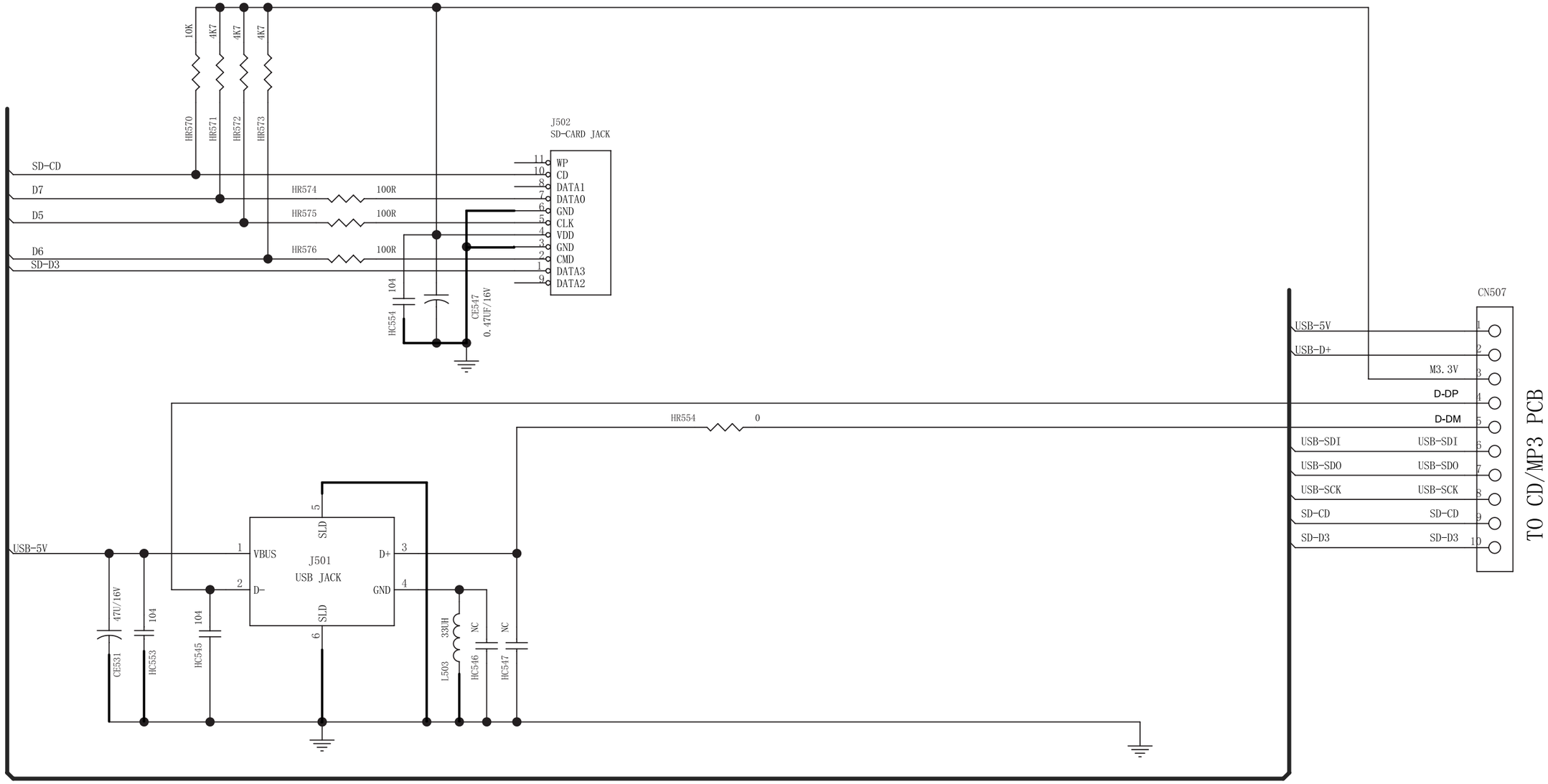
Schematic Diagram

- MP3/CD/USB Section



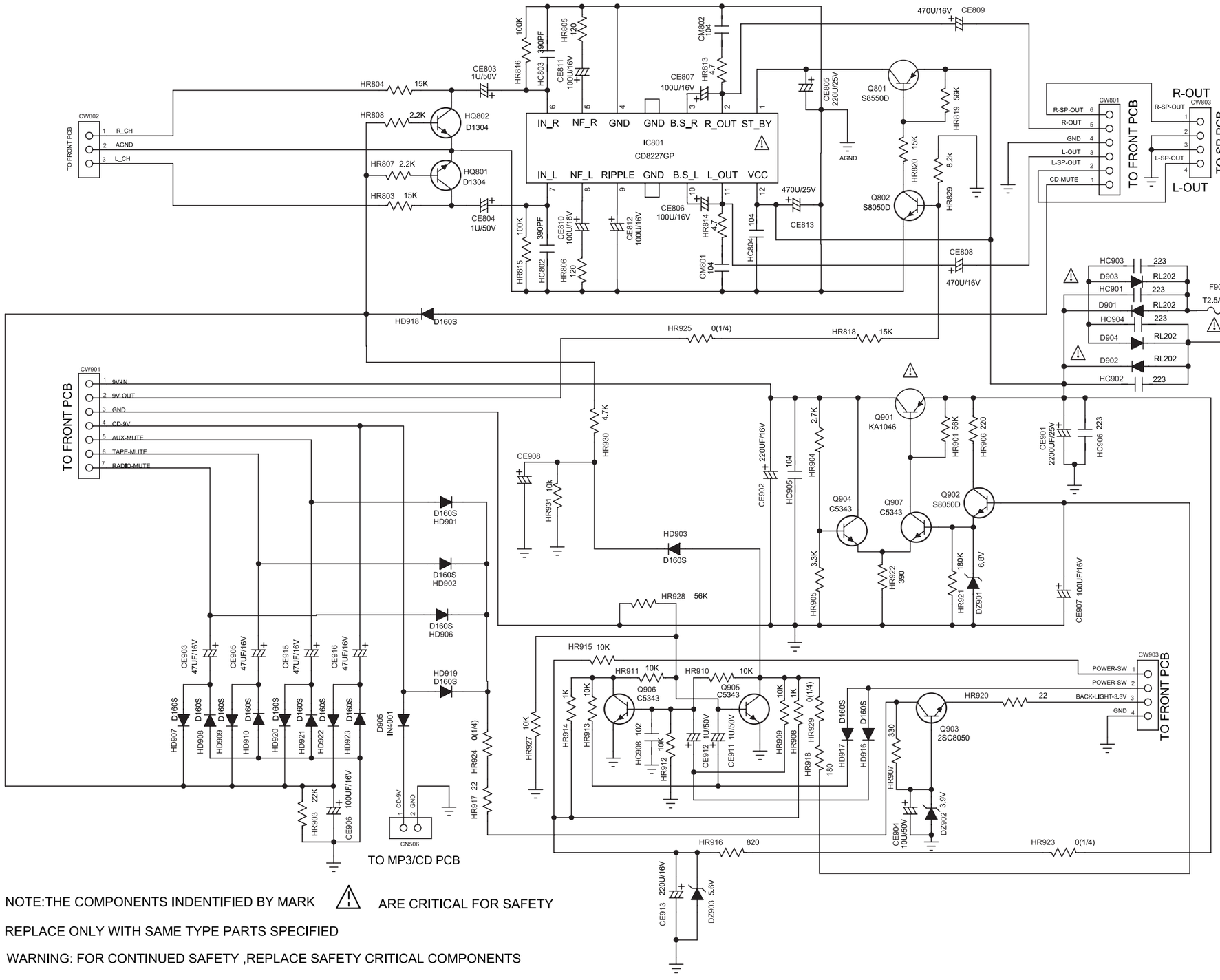
Schematic Diagram

- **USB/SD_CARD Section**



Schematic Diagram

- **POWER/AMP Section**



NOTE:THE COMPONENTS INDENTIFIED BY MARK ⚠ ARE CRITICAL FOR SAFETY

REPLACE ONLY WITH SAME TYPE PARTS SPECIFIED

WARNING: FOR CONTINUED SAFETY ,REPLACE SAFETY CRITICAL COMPONENTS

ONLY WITH MANUFACTURE'S RECOMMENDED PARTS

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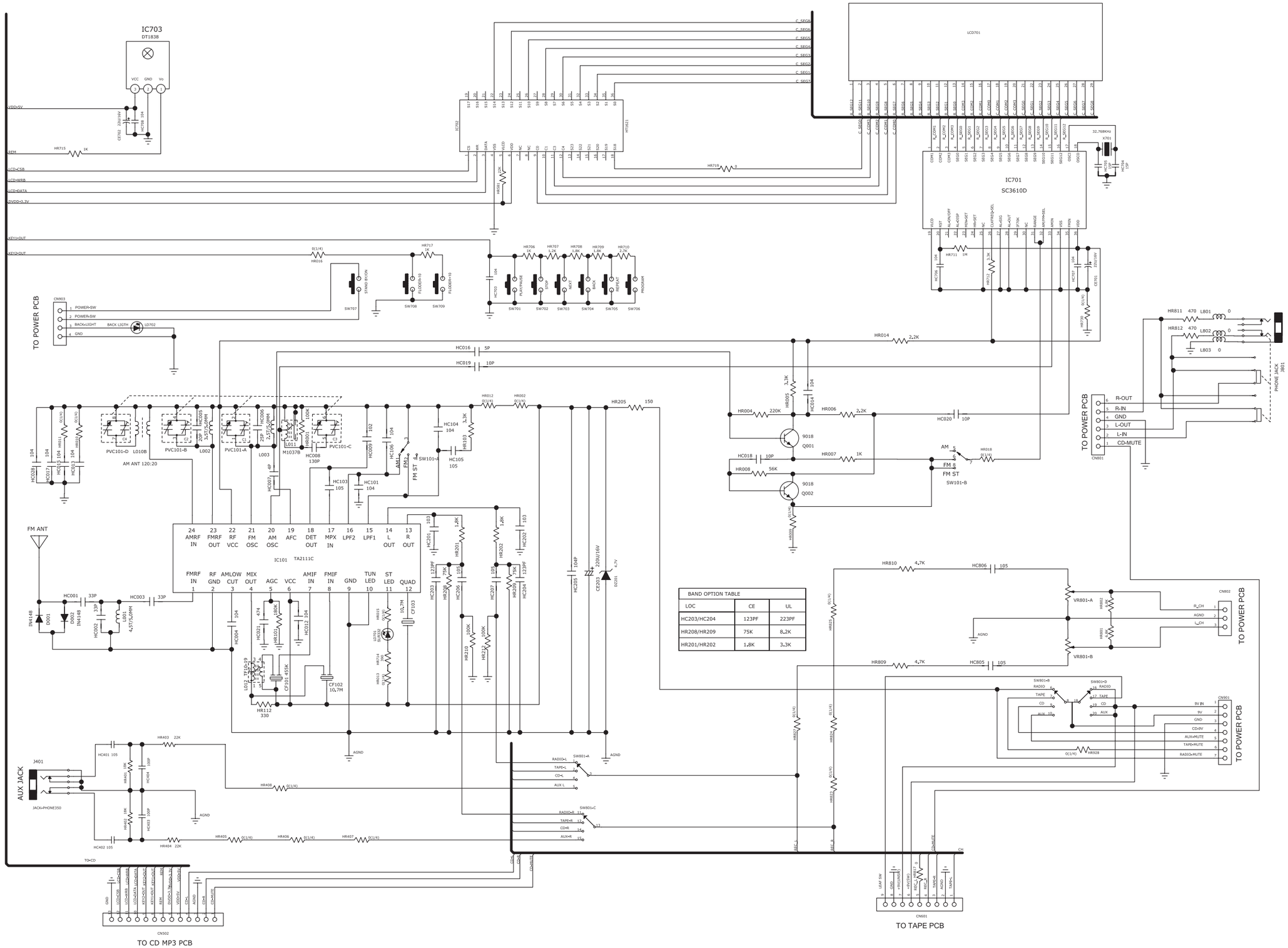
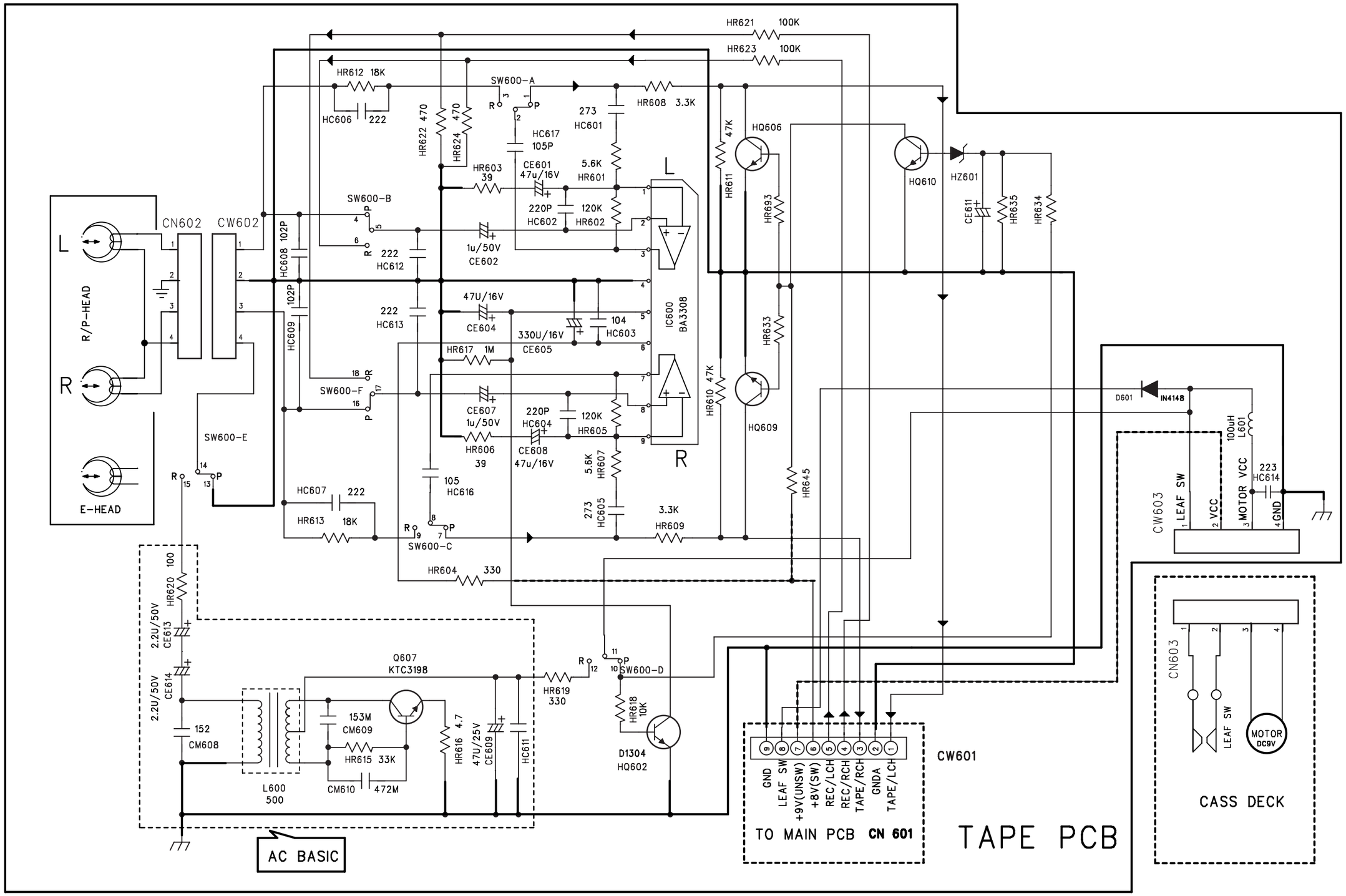
Schematic Diagram

● FRONT Section



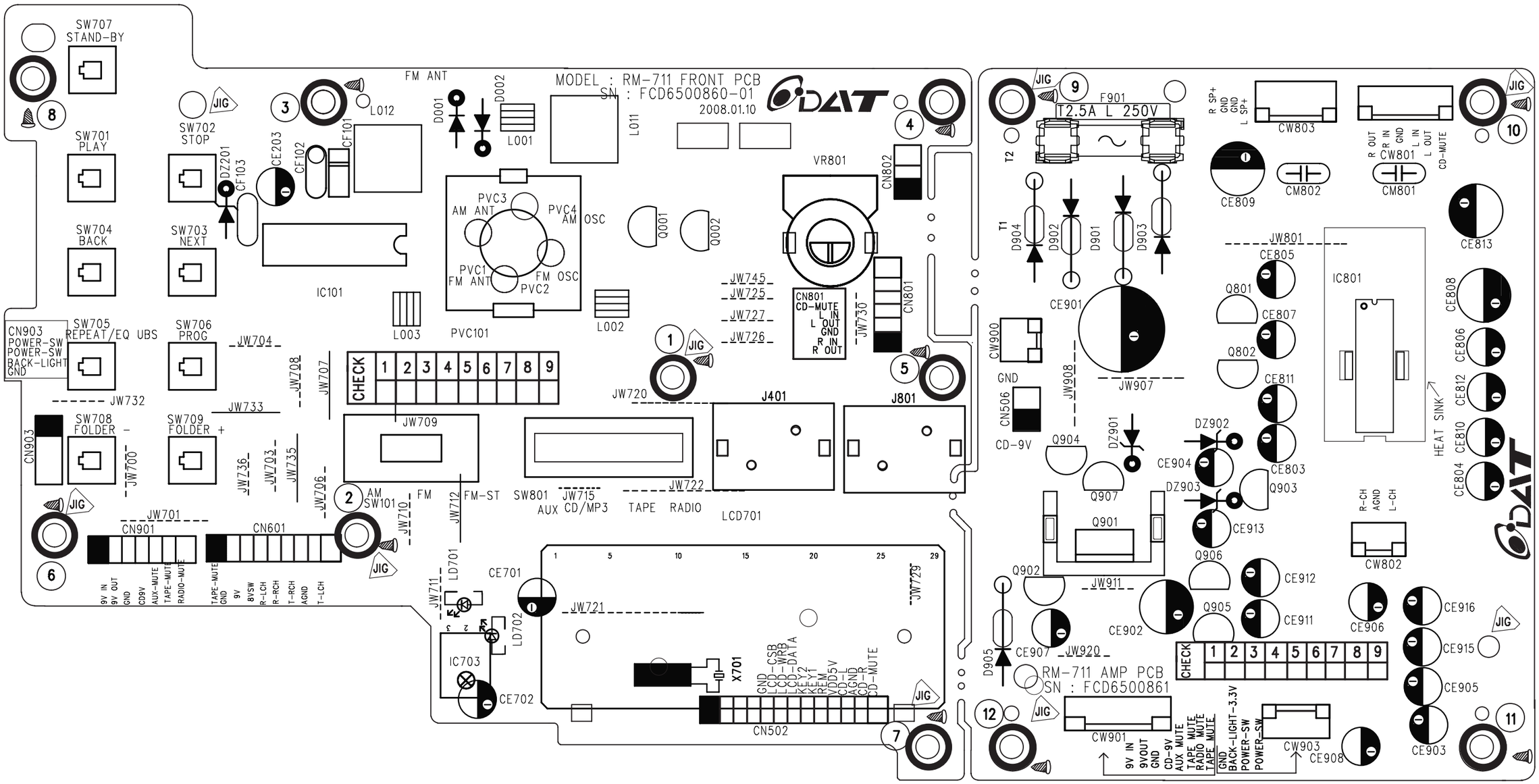
Schematic Diagram

- TAPE Section



P.C.B Pattern Layout

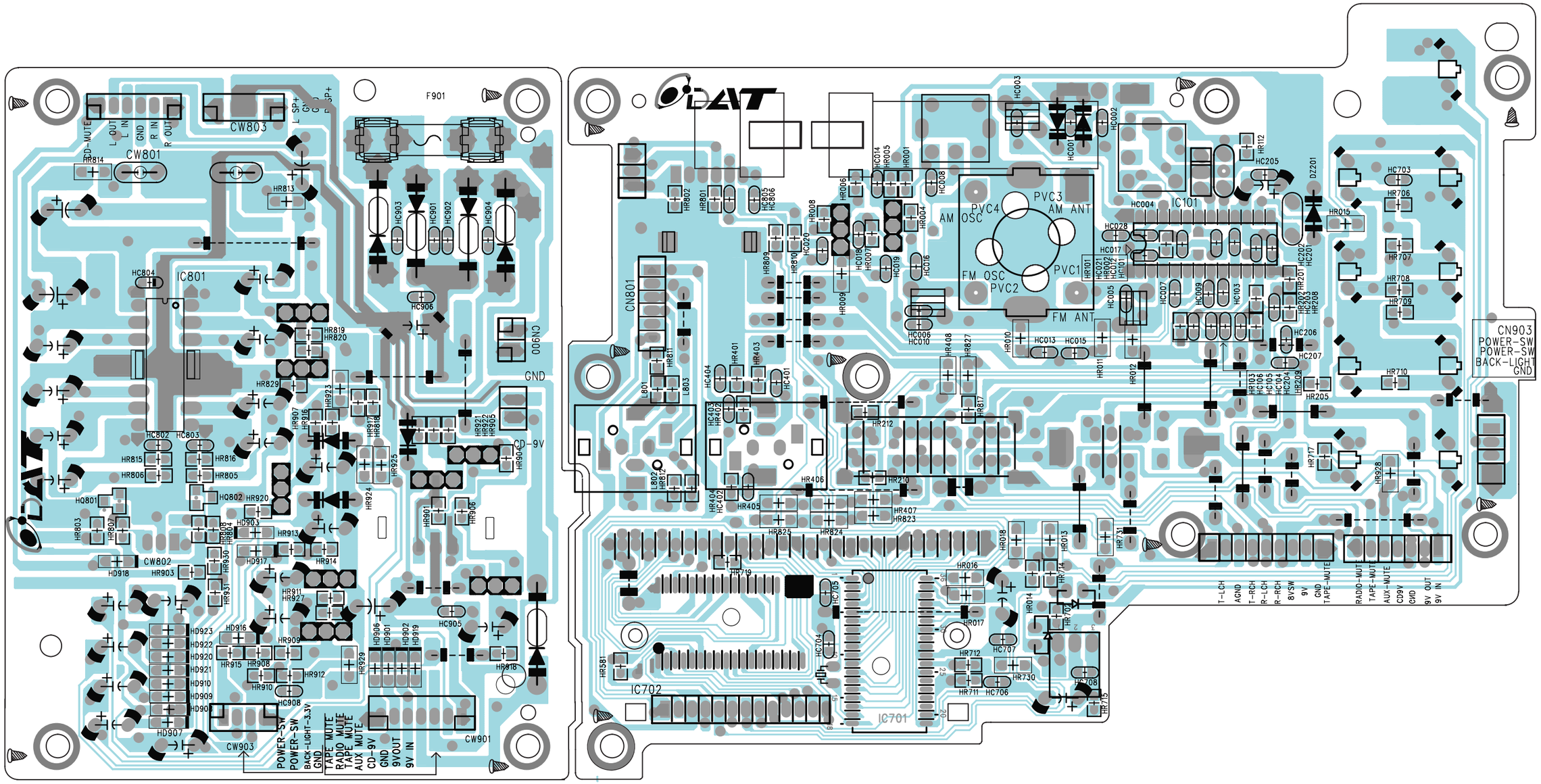
- **FRONT & AMP : Top View**



10

P.C.B Pattern Layout

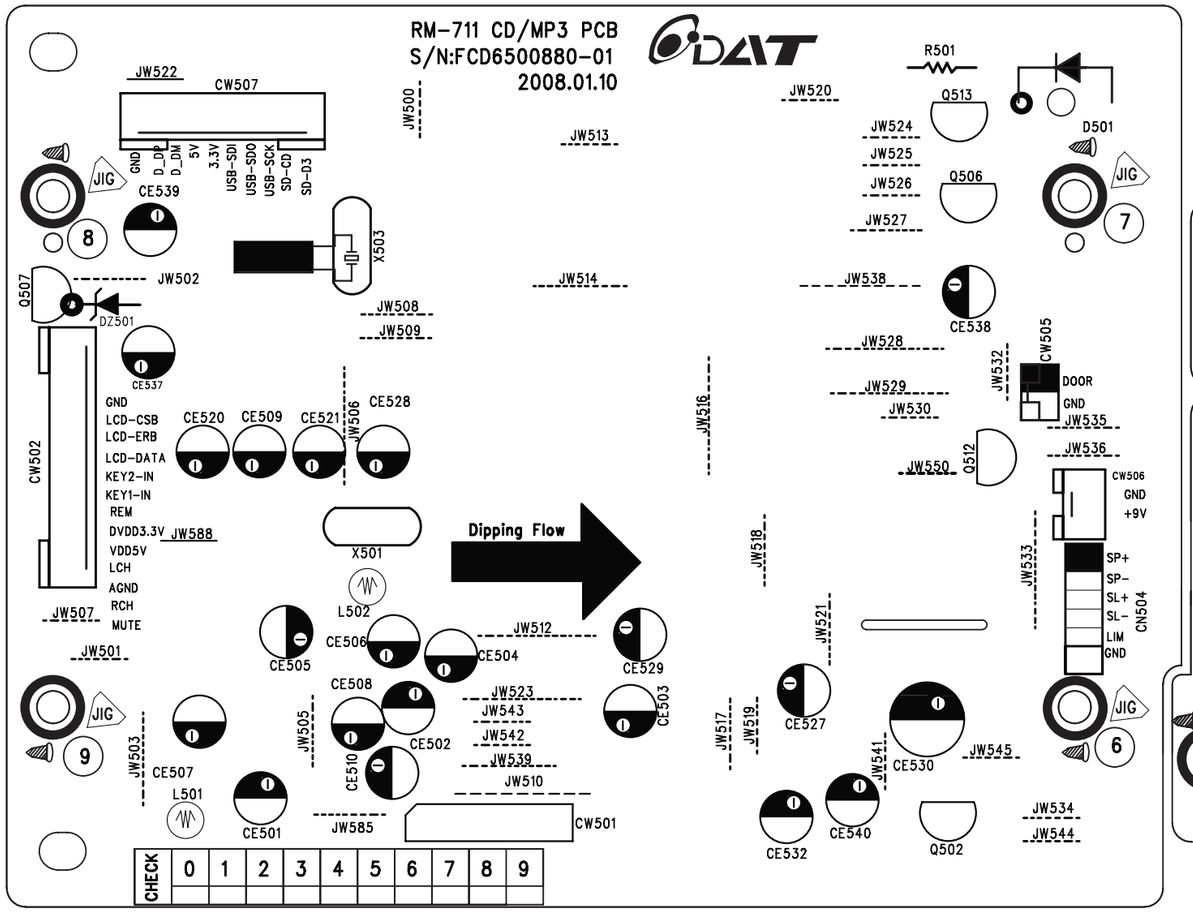
- **FRONT & AMP : Bottom View**

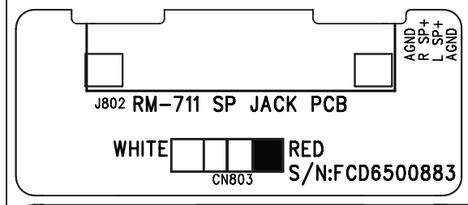


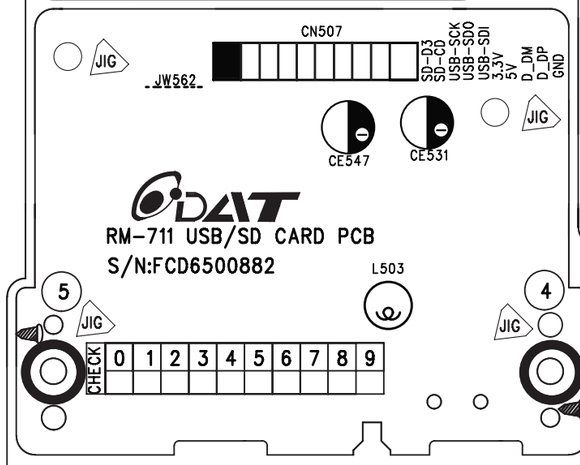
10

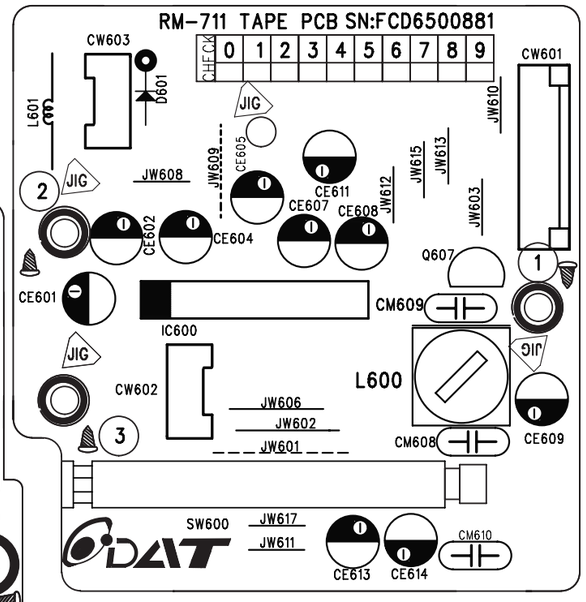
P.C.B Pattern Layout

• CD, TAPE & SD : Top View





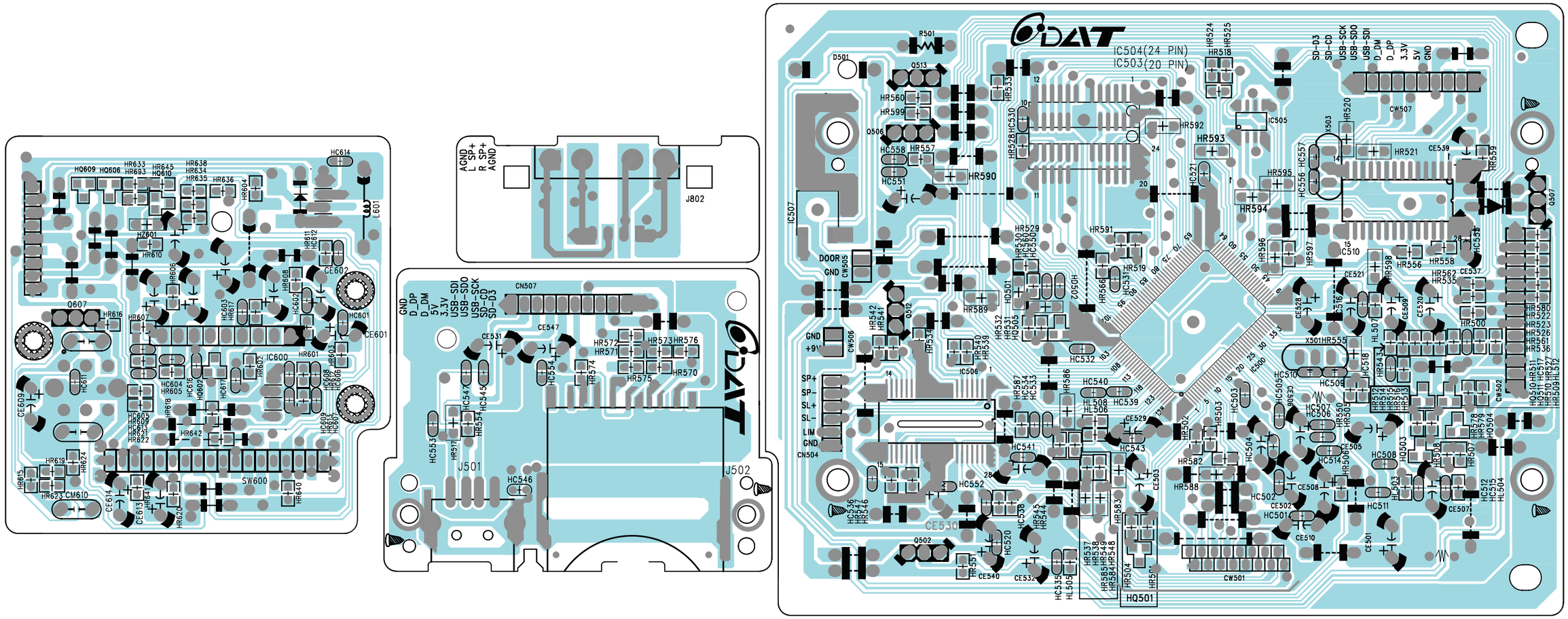




10

P.C.B Pattern Layout

- CD, TAPE & SD : Bottom View



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APPENDIX - ELECTRICAL PART LIST

◆◆◆◆◆◆ PCB MP3 AS ◆◆◆◆◆◆

LOC	PART-CODE	PART-NAME	PART-DESC	Remark
CN501	F728800054	CONN AS	FCC 16P P=1.0 80mm	
CN504	F728800068	CONN AS	UL20080#28/6P L=60mm 2.0PH	
CN505	9728827000	CONN AS	UL1007 #26 P=2.0 110MM 2P	
CW501	9CD6259300	WAFER	52807-1610 SID ENTRY	
CW502	2001-WS-13	WAFER	13P 2.0MM	
CW505	2001-WS-02	WAFER	2P 2.0MM	
CW506	2503-WS-02	WAFER	2P 2.5MM	
CW507	2001-WS-10	WAFER	10P 2.0MM	Only RM-711AUC
D501	DIN4001—-	DIODE	IN4001	
DZ501	DZTZ4R3B--	DIODE ZENNER	MTZ-4.3B 52MM TAPPING	Only RM-711AUC
HD501,HD502	DZDS160—-	DIODE SW CHIP	KDS160(KDS511)	
HL503,HL504,HL505	HLB301KF2B	BEAD CHIP	1608 100MHZ 300	
HL506,HL508,HL512	HLB301KF2B	BEAD CHIP	1608 100MHZ 300	
IC500	1M5671—--	IC	M5671	
IC503	1UPD424400	IC DRAM	UPD424400 DRAM （1M*4）	Only RM-711AG
IC504	1HY5117404	IC DRAM	HY5117404 （4M*4）	Only RM-711AUC
IC505	1EN25P05--	IC FLASH	EN25P05	Only RM-711AG
	1EN25P10--	IC FLASH	EN25P10	Only RM-711AUC
IC506	1SA1469PH-	IC MOTOR DRIVER	SA1469PH	
IC507	1AZ7805DTR	IC	AZ7805DTR-E1	
IC510	1CH374—--	IC USB	CH374	Only RM-711AUC
L501,L502	FLC330K008	COIL	33UH	
Q502,Q512	TZS8550Y—	TR	S8550	
Q513	TZS8550Y—	TR	S8550	Only RM-711AUC
Q506,Q507	TZTC8050-D	TR	KTC8050-D	Only RM-711AUC
SW505	5S40101A01-1	SW PUSH LOCK	DLS-02-W-1	
X501	5PQZTT1693	RESONATOR CERA	QTTT16.93MMX(3PIN)	
X503	5XA24R000C	X-TAL	24.000MHz 20PPM(3*8)	Only RM-711AUC

◆◆◆◆◆◆ PCB USB/SD CARD AS ◆◆◆◆◆◆

LOC	PART-CODE	PART-NAME	PART-DESC	Remark
CN507	F728800083	CONN AS	UL1007 #28 2.0PH 10P 180MM B'IN	Only RM-711AUC
J501	F736300014	JACK USB	USB AF 180ROTATION	Only RM-711AUC
J502	F736300015	JACK SD CARD	DWT-06A00-004	Only RM-711AUC
L503	FLC330K008	COIL	33UH	Only RM-711AUC

◆◆◆◆◆◆ PCB TAPE AS ◆◆◆◆◆◆

LOC	PART-CODE	PART-NAME	PART-DESC	Remark
CN602	F728800039	CONN AS	UL2851#28 4P 130MM	
CN603	F728800040	CONN AS	UL1007#26 4P 130MM	
CW601	2001-WS-09	WAFER	9P 2.0MM	
CW602,CW603	2001-WS-04	WAFER	4P 2.0MM	
D601	DZN4148---	DIODE	IN4148 AUTO 52MM	
L600	5L00000500	COIL BIAS OSC	0500 10X10 BK	
L601	5CPZ101K02	COIL PEAKING	100 UH K (AXIAL 3.5 MM)	
Q607	TZTC3198Y-	TR	KTC3198Y (2SC5343) AUTO	
SW600	5S30602A02	SW SILDE	R-PS 6205C	

◆◆◆◆◆◆ PCB FRONT AS ◆◆◆◆◆◆

LOC	PART-CODE	PART-NAME	PART-DESC	Remark
CF101	SFU455B—-	FILTER CERA	SFU455B	
CF102	5PLT107MA5	FILTER CERA	LT10.7MA5(SZ)	
CF103	FP107MG77-	FILTER CERA	JT107MG77	
CN101	F728800086	WIRE LEAD	UL1007 #28/1P L=1500MM	
CN502	F728800081	CONN AS	UL2851#28/3C+1007#28 13P 200MM B'IN	
CN601	F728800082	CONN AS	UL1007#28 2.0PH 9P 120MM B'IN	
CN801	F728800079	CONN AS	UL1007 #28 2.0PH 6P 220MM B'IN	
CN802	F728800085	CONN AS	UL2547 #28/2C+GND 2.0PH 3P 230MM B'IN	
CN901	F728800087	CONN AS	UL1007 #28 2.0PH 7P 180MM B'IN	

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APPENDIX - ELECTRICAL PART LIST

CN903	F728800084	CONN AS	UL1007 #28 2.0PH 4P 210MM B'IN
D001,D002	DZN4148--	DIODE	IN4148 AUTO 52MM
DZ201	DZTZ4R7B--	DIODE ZENER	UZ-4.7B
IC101	1TA2111N--	IC	TA2111N(YD2111)
IC701	1SC3610---	IC	SC3610D(SOP)
IC702	1SG1621SB-	IC	HT1621 COB
IC703	1DT1838---	IC RMC	DT1838
J401,J801	F736300013	JACK H/P	TC38-933-01
L001	FLA139K005	COIL FM ANT	5mm X 0.8mm X 4.5T(1.3uH)
L002	FLO838K002	COIL FM OSC	5mm X 0.8mm X 2.5T(0.83uH)
L003	FLR119K001	COIL FM RF	5mm X 0.8mm X 3.5T(1.1uH)
L010A	FCD6810400	BAR AM ANT	AP1070
L010B	FLA560K004	COIL AM ANT	AM-120TS:20TS
L011	FLO361K003	COIL AM OSC	ML10-37B
L012	F110AYW001	IFT AM	TF10-19
LCD701	DH0323ATP-	LCD	H0323ATP
LD701	DZLR332MC3F	LED	SLR332MC3F(GREEN)PI3
LD702	DZE6418B01	LED	6418B
PC101	FC134P001D	PVC	TU-CAP 20-126P 20X20A
Q001,Q002	TZS9018H--	TR	S9018H(TO-92)
SW101	FS30202A03	SW SLIDE	SS23E01G7
SW701,SW702	5S50101Z67A-2	SW TACT	THVV502GAA
SW703,SW704	5S50101Z67A-2	SW TACT	THVV502GAA
SW705,SW706	5S50101Z67A-2	SW TACT	THVV502GAA
SW707,SW708	5S50101Z67A-2	SW TACT	THVV502GAA
SW709	5S50101Z67A-2	SW TACT	THVV502GAA
SW801	FS30404A07	SW SLIDE	SST-44DO4-G9-NS
VR801	FV150KF01A	ROTARY VOLUME	R1212G13A1-A50K
X701	5XA32R768CCQ	X-TAL	SF-32.768-JU3820

◆◆◆◆◆◆ PCB AMP AS ◆◆◆◆◆◆

LOC	PART-CODE	PART-NAME	PART-DESC	Remark
CD901	F736909011	CORD AC	1.8M BLACK H03VVH2-F 2X0.75MM^2 WITH PLUG LY-21&SR114	European Option
	F736909012	CORD AC	1.8M BLACK NISPT-2 18AWG×2C 60℃ WITH LY-1&SR114	American option
CN506	F728800090	CONN AS	UL1007#26 2.5PH 2P 120MM PRE-S	
CW801	2001-WS-06	WAFER	6P 2.0MM	
CW802	2001-WS-03	WAFER	3P 2.0MM	
CW803	2503-WS-04	WAFER	4P 2.5MM	
CW900	2503-WS-02	WAFER	2P 2.5MM	
CW901	2001-WS-07	WAFER	7P 2.0MM	
CW903	2001-WS-04	WAFER	4P 2.0MM	
D901,D902	DRL202----	DIODE	RL202	
D903,D904	DRL202----	DIODE	RL202	
D905	DIN4001---	DIODE		
DZ901	DZTZ6R8B--	DIODE ZENER	UZ-6.8B	
DZ902	DZTZ3R9B--	DIODE ZENER	UZ-3.9B	
DZ903	DZTZ5R6B--	DIODE ZENER	UZ-5.6B	
F901	5FSGB2522L	FUSE	VDE TL 2.5A 250V MF51	
FC901,FC902	9734600800	HOLDER FUSE CLIP	PI5.2 - REEL	
HD901,HD902,HD903	DZDS160---	DIODE SW CHIP	KDS160(KDS511)	
HD906,HD907,HD908	DZDS160---	DIODE SW CHIP	KDS160(KDS511)	
HD909,HD910,HD916	DZDS160---	DIODE SW CHIP	KDS160(KDS511)	
HD917,HD918,HD919	DZDS160---	DIODE SW CHIP	KDS160(KDS511)	
HD920,HD921,HD922	DZDS160---	DIODE SW CHIP	KDS160(KDS511)	
HD923	DZDS160---	DIODE SW CHIP	KDS160(KDS511)	
HQ801,HQ802	TZTD1304--	TR CHIP	KTD1304	
PT901	5TP8048F72	TRANS POWER	EI=48X30 230V 50HZ	European Option
	5TP1048F73	TRANS POWER	EI=48X30 127V/60HZ	American option
	5TP0048F74	TRANS POWER	EI=48X30 127V/230V,60HZ/50HZ	Brazilian option
Q801	TZS8550Y--	TR	S8550	
Q802,Q902,Q903	TZTC8050-D	TR	KTC8050-D	
Q901	TZTA1046Y-	TR	KTA1046Y (KTA1366Y) AUTO	
Q904,Q905	TZTC3198Y-	TR	KTC3198Y (2SC5343) AUTO	

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Q906,Q907	TZTC3198Y-	TR	KTC3198Y (2SC5343) AUTO

◆◆◆◆◆◆ PCB SPK AS ◆◆◆◆◆◆

LOC	PART-CODE	PART-NAME	PART-DESC	Remark
CN803	F728800080	CONN AS	UL1007#26 2.5PH 4P 120MM B'IN	
J802	9736320500	JACK SPEAKER	CJ-9007-040	
10	97C8534700	SPEAKER SYSTEM	MS-711RD,BK	

◆◆◆◆◆◆ PCB REMOCON AS ◆◆◆◆◆◆

LOC	PART-CODE	PART-NAME	PART-DESC	Remark
10	9CDM070900-01	REMOCON	AM-11MR(BLACK)	

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