

Service Manual

MICRO COMPONENT SYSTEM

Model: RL-411(R)/412(R)
RL-411G(R)/412G(R)



RL-411/412



RL-411G/412G

DAEWOO DAT CO., LTD.
JAN. 2005

MICRO COMPONENT SYSTEM

RL-411(R)/412(R)
RL-411G(R)/412G(R)

Table of Contents

SAFETY PRECAUTIONS	2~3
ADJUSTMENTS	4~5
EXPLODED VIEW AND PARTS LIST	6~7
WIRING DIAGRAM	8/9
BLOCK DIAGRAM	10
SCHEMATIC DIAGRAM	11~15
• MAIN.....	11
• TUNER	12
• CD	13
• MP3 CD	14
• FRONT	15
• POWER	16
PCB PATTERN LAYOUT	17~25
• MAIN	17/18
• CD	19/20
• MP3 CD	21/22
• FRONT	23/24
• POWER	23/24
ELECTRICAL PART LIST	Appendix

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 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

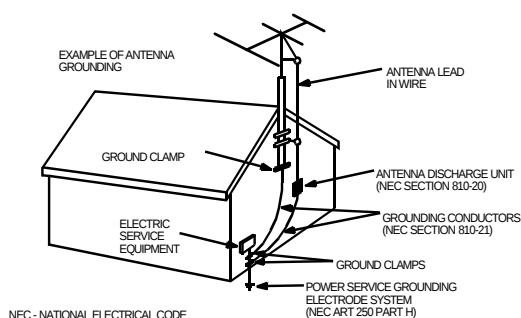


Figure 2

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.

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.

Adjustments

1. TUNER SECTION

TEST EQUIPMENT

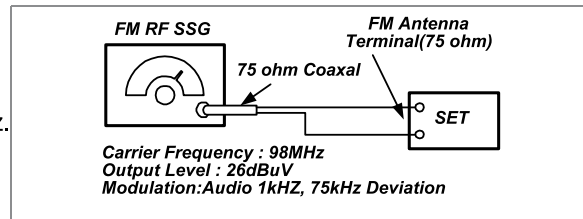
1. Signal Generator with a frequency range of FM broadcast.
2. Oscilloscope with a side amplifier of approximately 100 KHz.
3. FM 75/50Ω dummy antenna.
4. VTVM

FM ALIGNMENT

1. Turn on the FM signal generator and the VTVM allowing 15 minutes warming-up period.
2. Connect the VTVM across the headphone jack or speaker terminal.
3. Set signal generator frequency as listed in ALIGNMENT CHART and maintain a sufficient output level to provide an indication on VTVM.

NOTE

1. Use a screwdriver with plastic or ceramic grip for all adjustments.
2. Standard test frequency 1 KHz and deviation 75 KHz for FM.

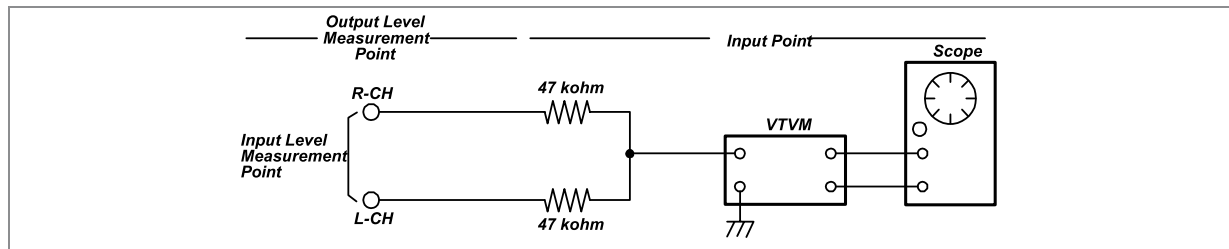


- FM RF, IF ALIGNMENT CHART -

Step	Item	Input Circuit Setup	Output Circuit Setup	Tuner Setting	Adjust Point	Adjustment
1	FM IF Adjustment	Connect stereo signal generator to FM ANT terminal (J001)	Connect DC voltmeter to edge HR265	FM98MHz75KHz Dev. 26dBμ	L203	Adjust for DC 0V±0.1V
2	Auto Stop Sensitivity	Connect stereo signal generator to FM ANT terminal (J001)	Between TP202 and Ground	FM 98MHz 75KHz Dev. 26dBμ	VR201	Adjust at the point that TP202 voltage comes from 5V to 0V Confirm stereo indicator is lighted and L/R channel is separated

Adjustments

2. 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

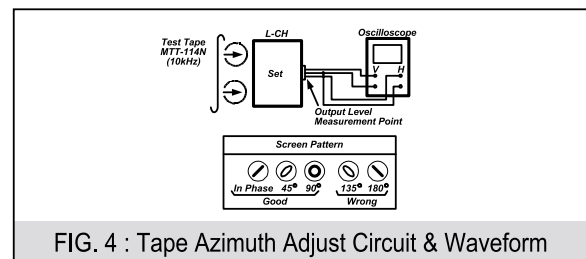
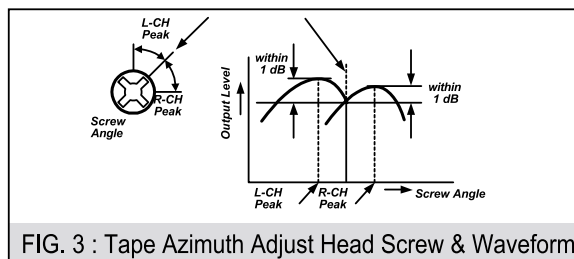
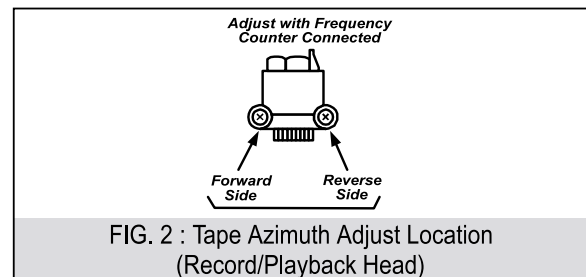
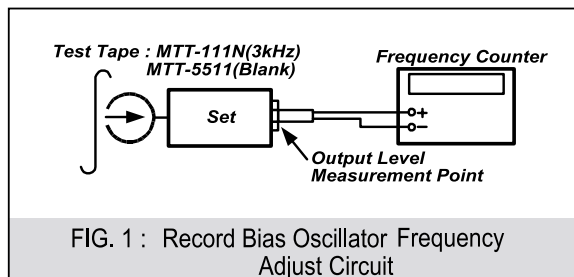
HEAD ADJUSTMENT (AZIMUTH)

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

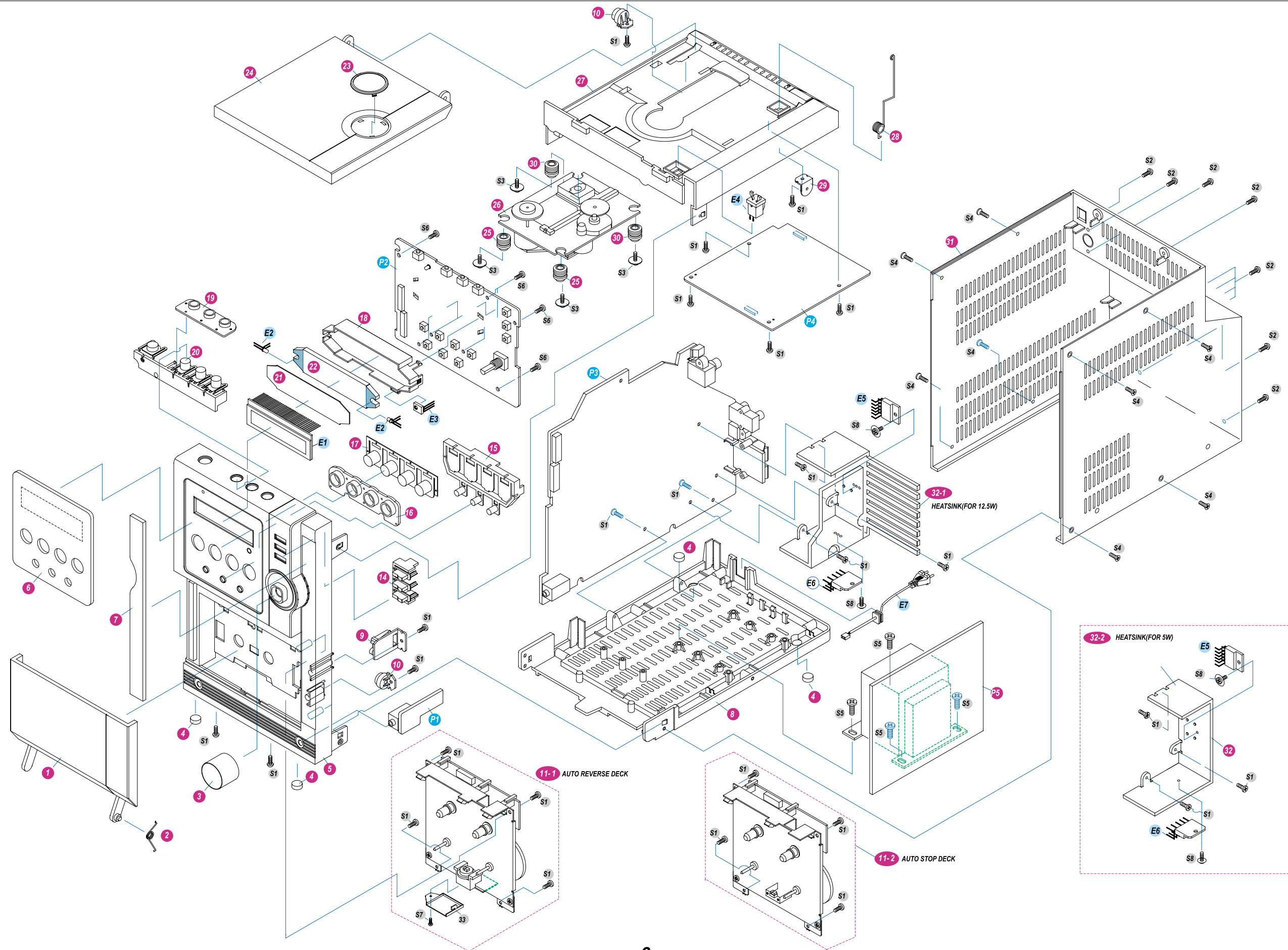
RECORDING BIAS OSCILLATOR FREQUENCY ADJUSTMENT

- Connect the frequency counter to TP603, GND.
- Press the REC button.
- Adjust L603 to obtain 80 KHz $\pm$ 500Hz

TAPE ALIGNMENT CHART							
Step	Item	Reference Value	Test Tape	Adjust Point	Test Point	Note	FIG.
1	Azimuth Adjustment	Maximum Level Phase:Within90 ∞	MTT-114N	Head Screw	Line Out L/R Channel		FIG.2,3,4
2	Recording Bias Oscillator Freque Adjustment	80 KHz $\pm$ 0.5	MTT-5511	L603	TP205,GND	Adjust with frequency counter connected.	FIG.1



Exploded View and Mechanical Parts List



Exploded View and Mechanical Parts List

NO	PARTS NAME	CODE NO.	DESCRIPTIONS	Q'TY	REMARKS
1	DOOR CST	9CD1814600	ABS XR401	1	
2	SPRING CST	9CD3309300	SUS	1	
3	KNOB VR	9CD1351500	ABS	1	
4	CUSHION FOOT	9CD4209000	URETHAN RUBBER D10*4.0T	4	
5	PANEL FRONT	9CD0313100	HIPS	1	
6	WINDOW FRONT	9CD1621700	ACRYL	1	
7	WINDOW RIGHT	9CD1621800	ACRYL	1	
8	CASE BOTTOM	9CD0416600	HIPS/ V2	1	
9	LOCKER ASS'Y	9CD0B02100	ACETAL	1	
10	DAMPER ASS'Y	9CD2603400	DA-12A	2	
11-1	CST DECK MECHA	9CD6012201	A/REVERSE DECK	1	CST DECK + DECK BRKT
11-2	CST DECK MECHA	9CD6012101	A/STOP DECK	1	CST DECK + DECK BRKT
14	KNOB MODE	9CD1351800	HIPS	1	
15	KNOB FUNCTION	9CD1352000	ABS	1	
16	DECO FRONT	9CD1006100	ABS	1	
17	KNOB PRESET	9CD1351900	ACRYL	1	
18	HOLDER LCD	9CD2305400	ABS	1	
19	LENS TOP	9CD1621500	HIPS	1	
20	KNOB TOP	9CD1351700	ABS	1	
21	SHEET DIFFUSION	9CD9603100	PE 0.15t	1	
22	WINDOW REFLECTOR	9CD1621600	ACRYL	1	
23	DECO DOOR	9CD1006000	ABS	1	
24	DOOR CD	9CD1814500	ABS-XR401	1	
25	DAMPER RUBBER	97L42023R0	SILICON RUBBER(GREEN)	2	
26	CD MECHANISM	9CD6012300	CMSB35BG6	1	
27	CASE TOP	9CD0416500	HIPS	1	
28	SPRING CD	9CD3309200	SUS	1	
29	BRACKET SIDE	9CD2416600	SECC	1	
30	DAMPER RUBBER	97L42023R1	SILICON RUBBER(RED)	2	
31	CASE REAR	9CD0416400	HIPS/V2	1	
32-1	HEATSINK(12.5W)	9CD4408500	AL	1	FOR RL-412 MODEL
32-2	HEATSINK(5W)	9CD4408600	AL	1	FOR RL-411 MODEL
33	PLATE SHIELD	9CD0913700	SPT 0.3t	1	Option for A/REV. DECK

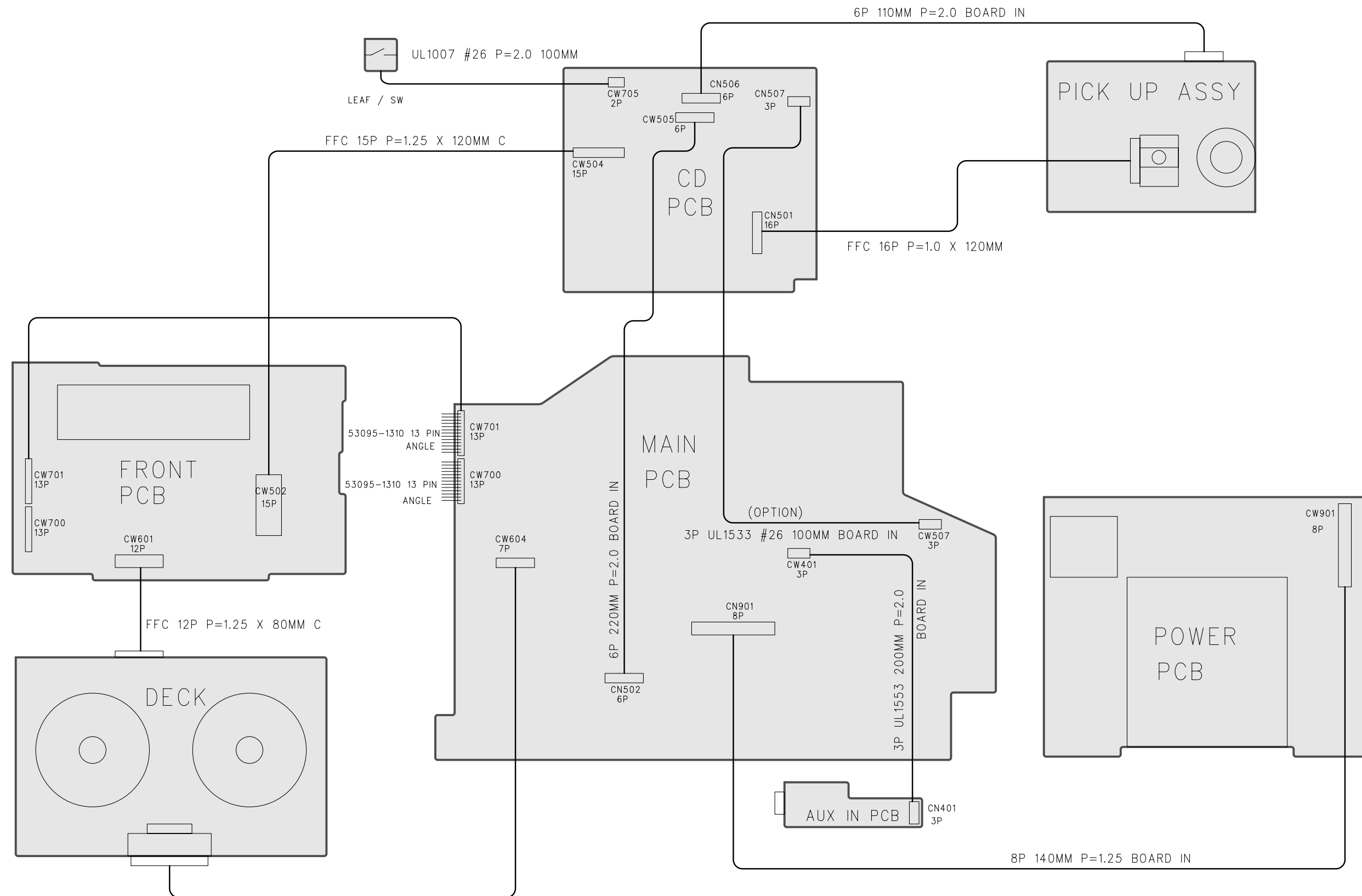
NO	PARTS NAME	CODE NO.	DESCRIPTIONS	Q'TY	REMARKS
S1	SCREW TAPTTITE	7173301011	TT2BIN 3.0*10 MFZN	19	
S2	SCREW TAPTTITE	7173300811	TT2BIN 3.0*8 MFZN	10	
S3	SCREW TAPTTITE	9CD3103600	TT2 WAS 2.6 X8 MFZN	4	
S4	SCREW TAPTTITE	71753301014	TT2 FLT 3*10 MFNI	8	
S5	SCREW TAPTTITE	7173401411	TT2 BIN 4.0 X 10MFZN	4	
S6	SCREW TAPTTITE	7173261011	TT2 BIN 2.6 X10 MFZN	7	
S7	SCREW TAPTTITE	7173200111	TT2 BIN 2.0 X4 MFZN	1	
S8	SCREW TAPTTITE	9CD3102400	TT2 WAS 3X10+D14 ACD-7600	2	

NO	PARTS NAME	CODE NO.	DESCRIPTIONS	Q'TY	REMARKS
P1	PCB AUX		PHENOL	1	OPTIONAL
P2	PCB FRONT		PHENOL	1	
P3	PCB MAIN		PHENOL	1	
P4	PCB CD		PHENOL	1	
P5	PCB POWER		PHENOL	1	

NO	PARTS NAME	CODE NO.	DESCRIPTIONS	Q'TY	REMARKS
E1	LCD			1	
E2	LED			1	
E3	SENSOR REMOCON			1	
E4	PUSH LOCK SW			1	
E5	IC REGULATOR			1	
E6	IC AMP			1	
E7	CORD POWER			1	

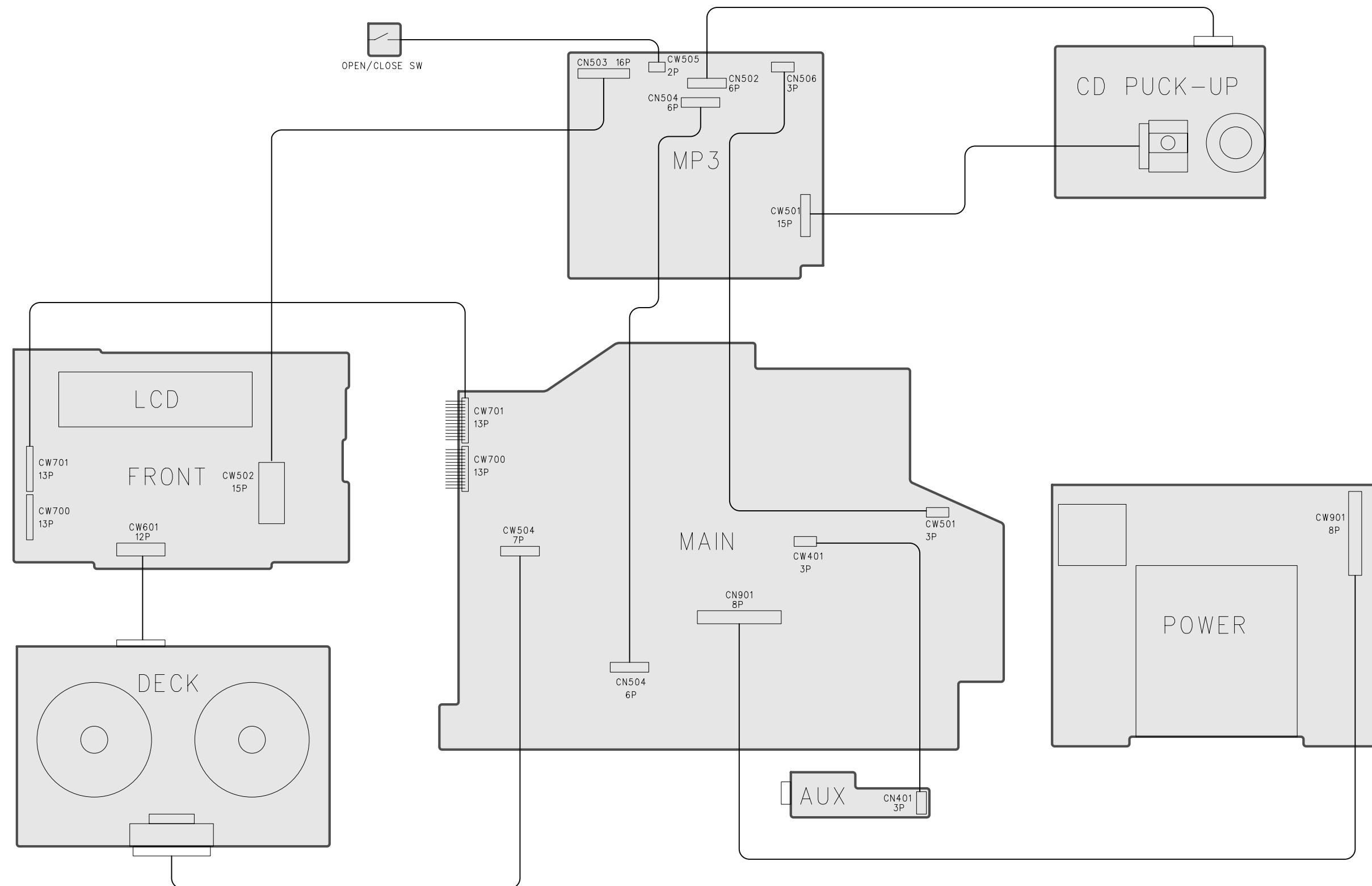
Wiring Diagram

• RL-411(R)/412(R)

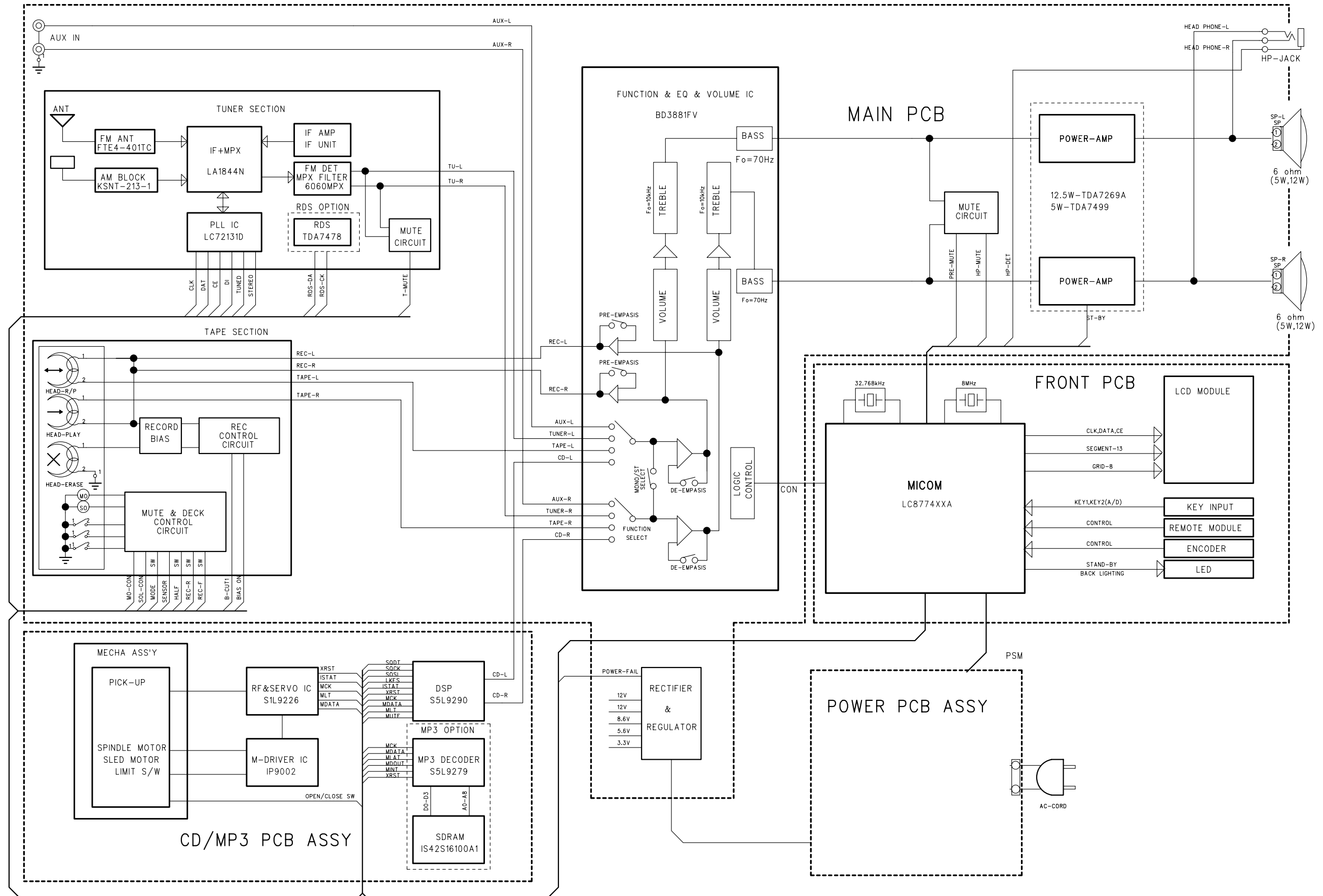


Wiring Diagram

• RL-411G(R)/412G(R)

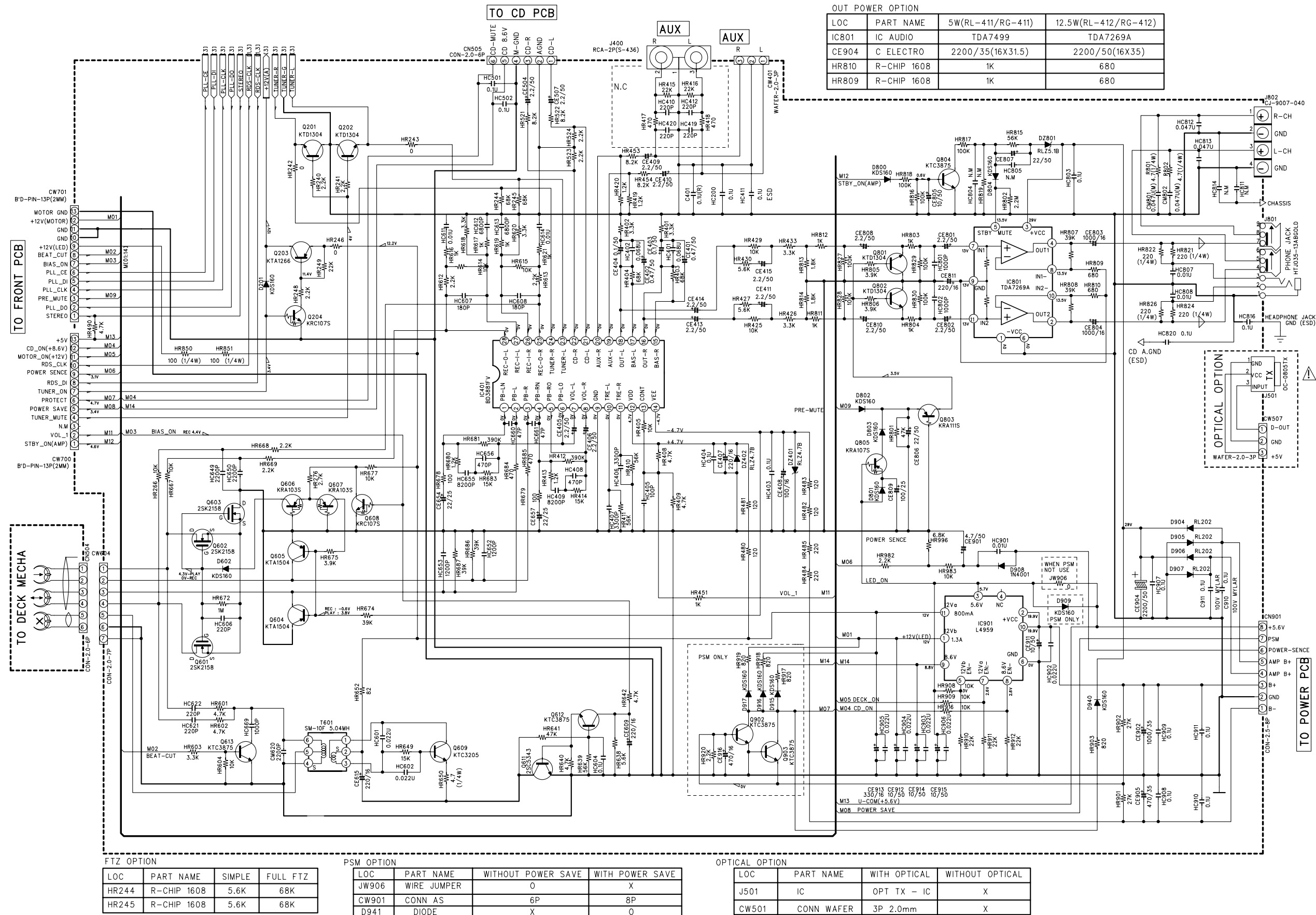


Block Diagram



Schematic Diagram

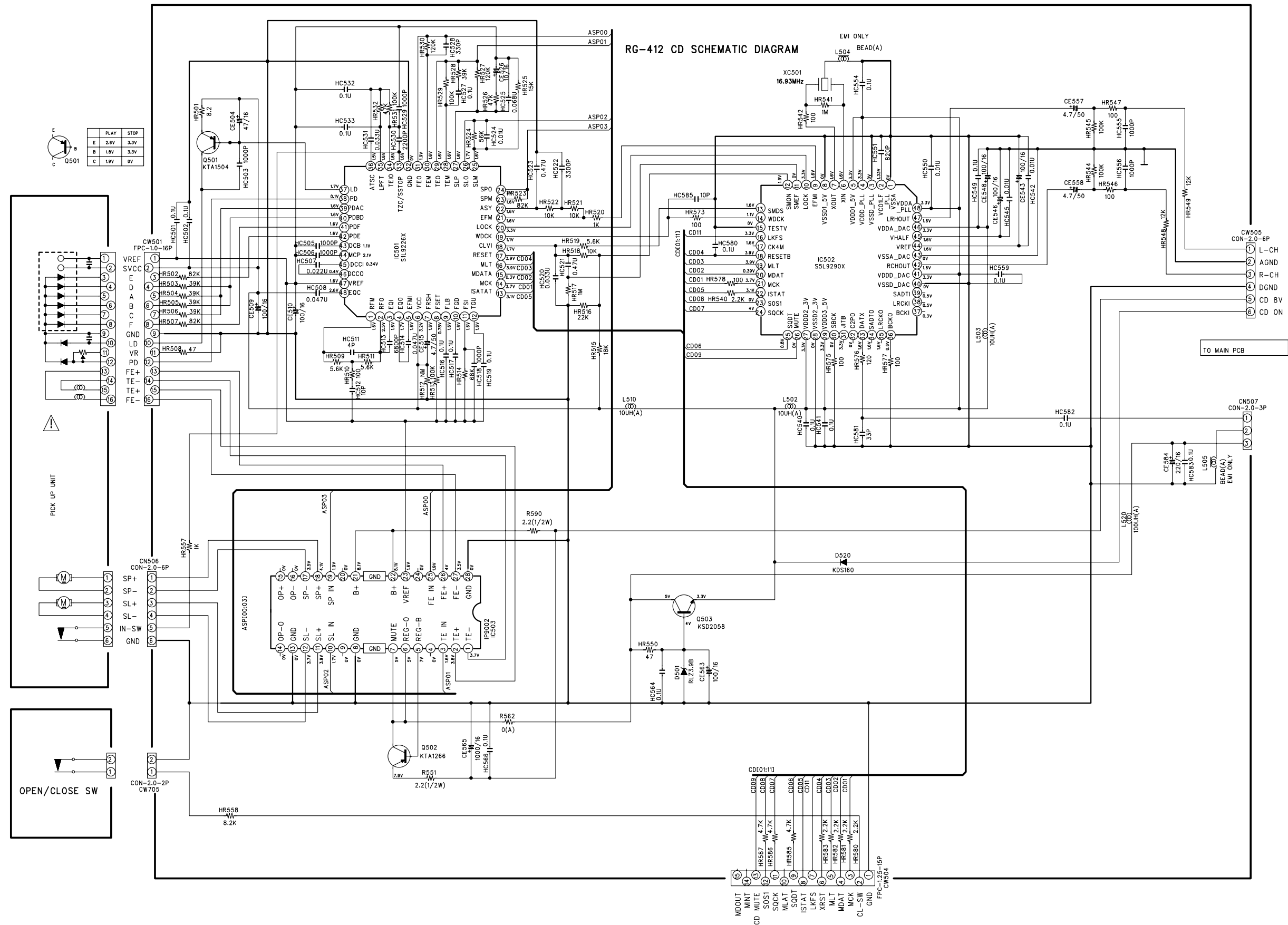
• MAIN



- **TUNER**

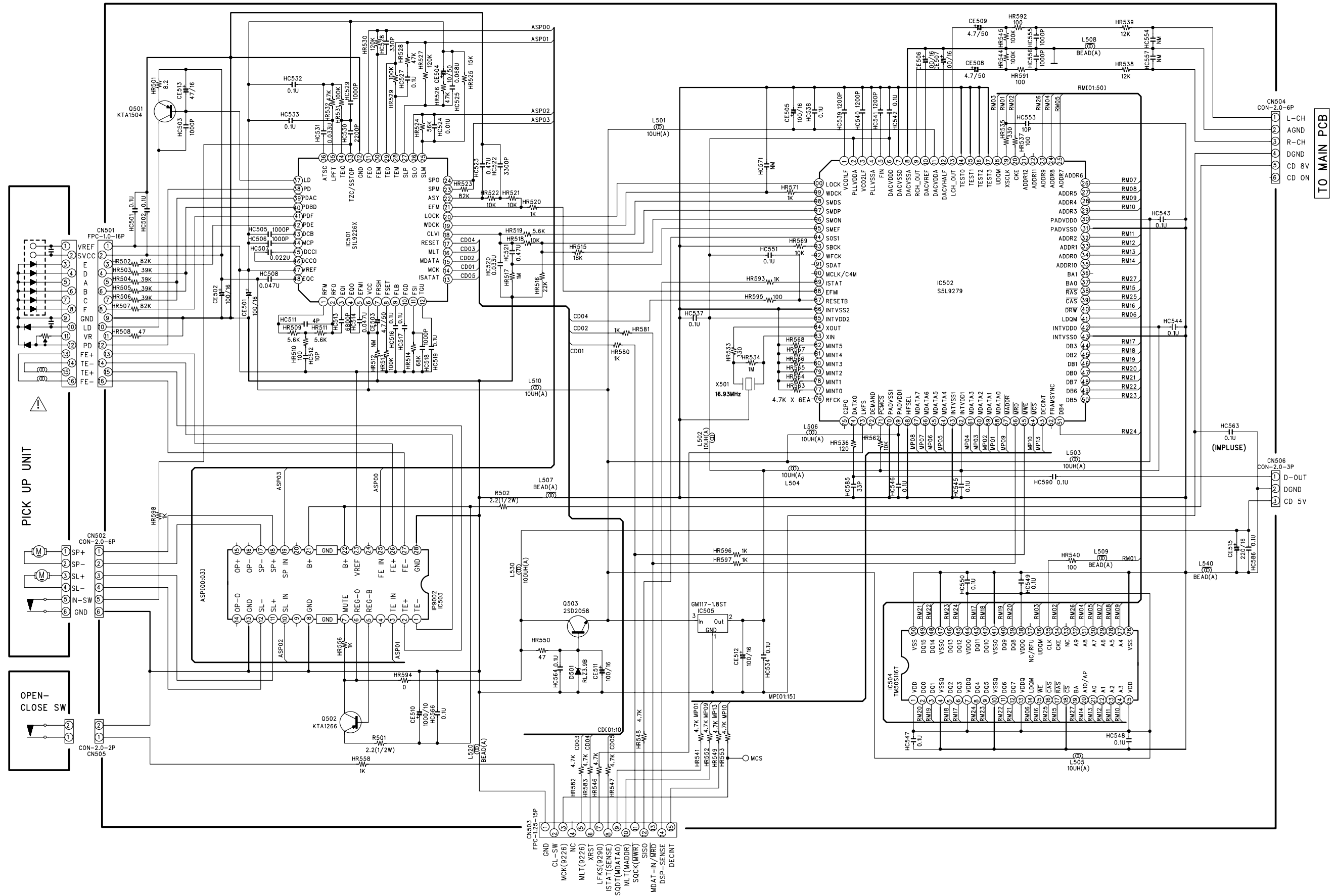


- **CD : RL-411(R)/412(R) Models only**



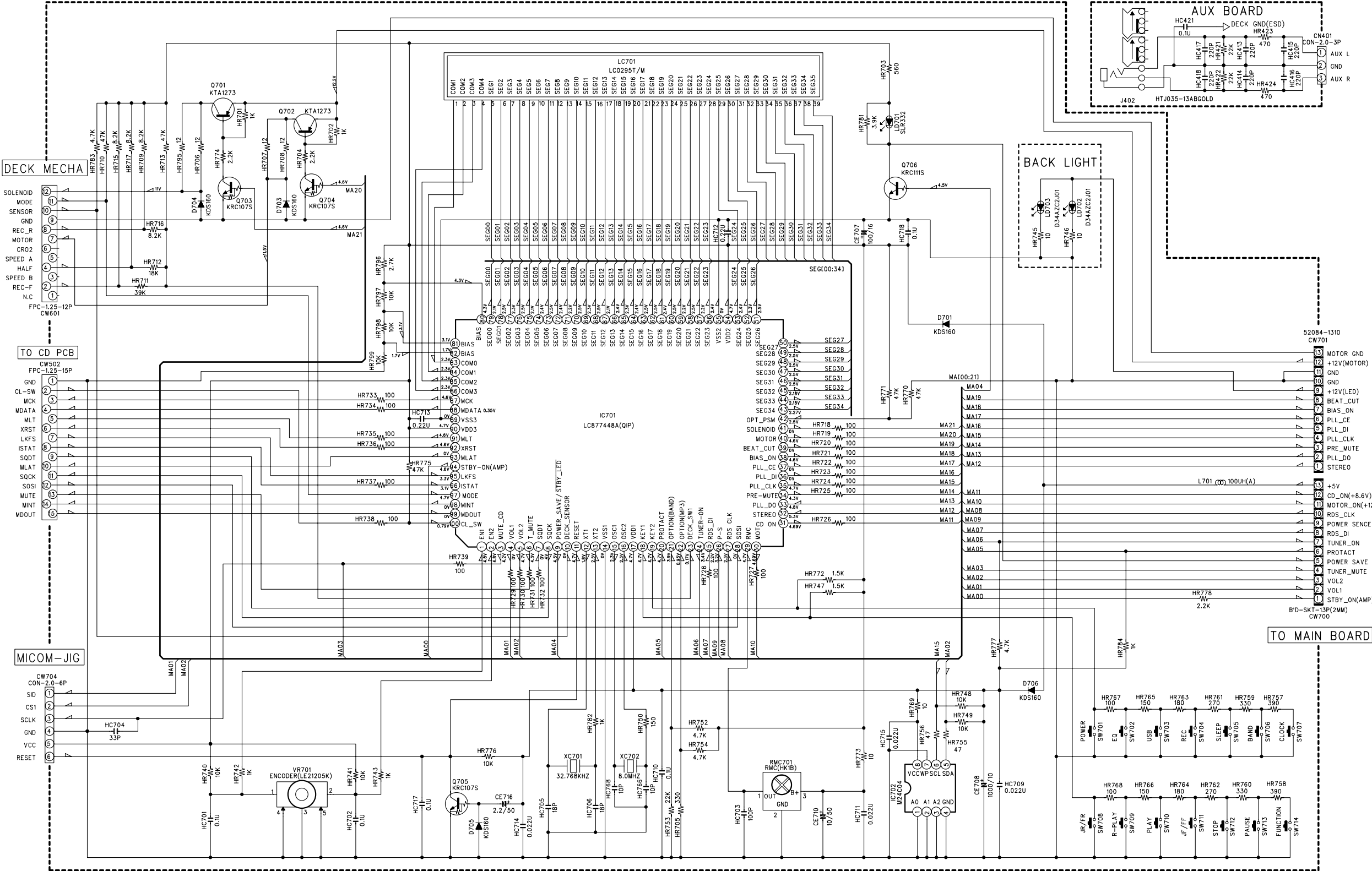
Schematic Diagram

• MP3 CD : RL-411G(R)/412G(R) Models only



Schematic Diagram

• FRONT



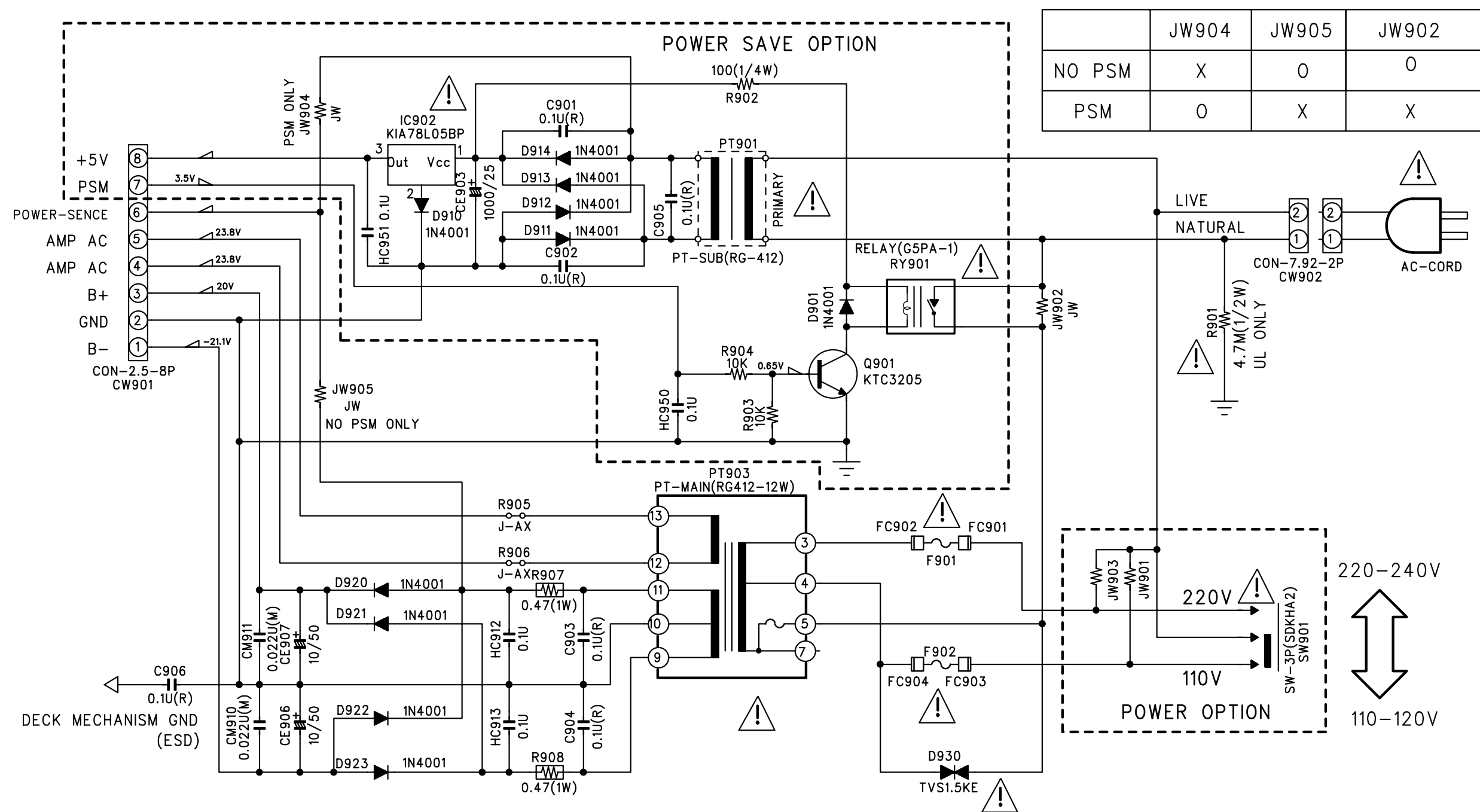
PSM OPTION			
LOC	PART NAME	WITHOUT POWER SAVE	WITH POWER SAVE
HR770	R-CHIP 1608	47K	X
HR771	R-CHIP 1608	X	47K
LD701	LED(RED)	X	LBH4155(RED)
Q706	TR	X	KRC111S SMD
HR703	R-CHIP 1608	X	560
HR781	R-CHIP 1608	X	3.9K

MODEL OPTION											
HR705	JUMPER	330	680	1.2K	1.8K	2.7K	3.9K	6.8K	10K	15K	22K
CASS.DECK	A/S	A/S	A/S	A/R	A/R	A/R	A/S	A/S	A/S	A/R	A/R
CD_PICK UP	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG	SONY	SONY	SONY	SONY	SONY
MP3	W/O MP3	W/MP3	W/MP3	W/O MP3	W/MP3	W/MP3	W/O MP3	W/MP3	W/MP3	W/O MP3	W/MP3

BAND OPTION							
	AM1	AM2	E/2B	JAPAN	ASIA1/12	ASIA2/24	CSI
HR753	0	330	1.2K	1.8K	2.7K	3.9K	6.8K

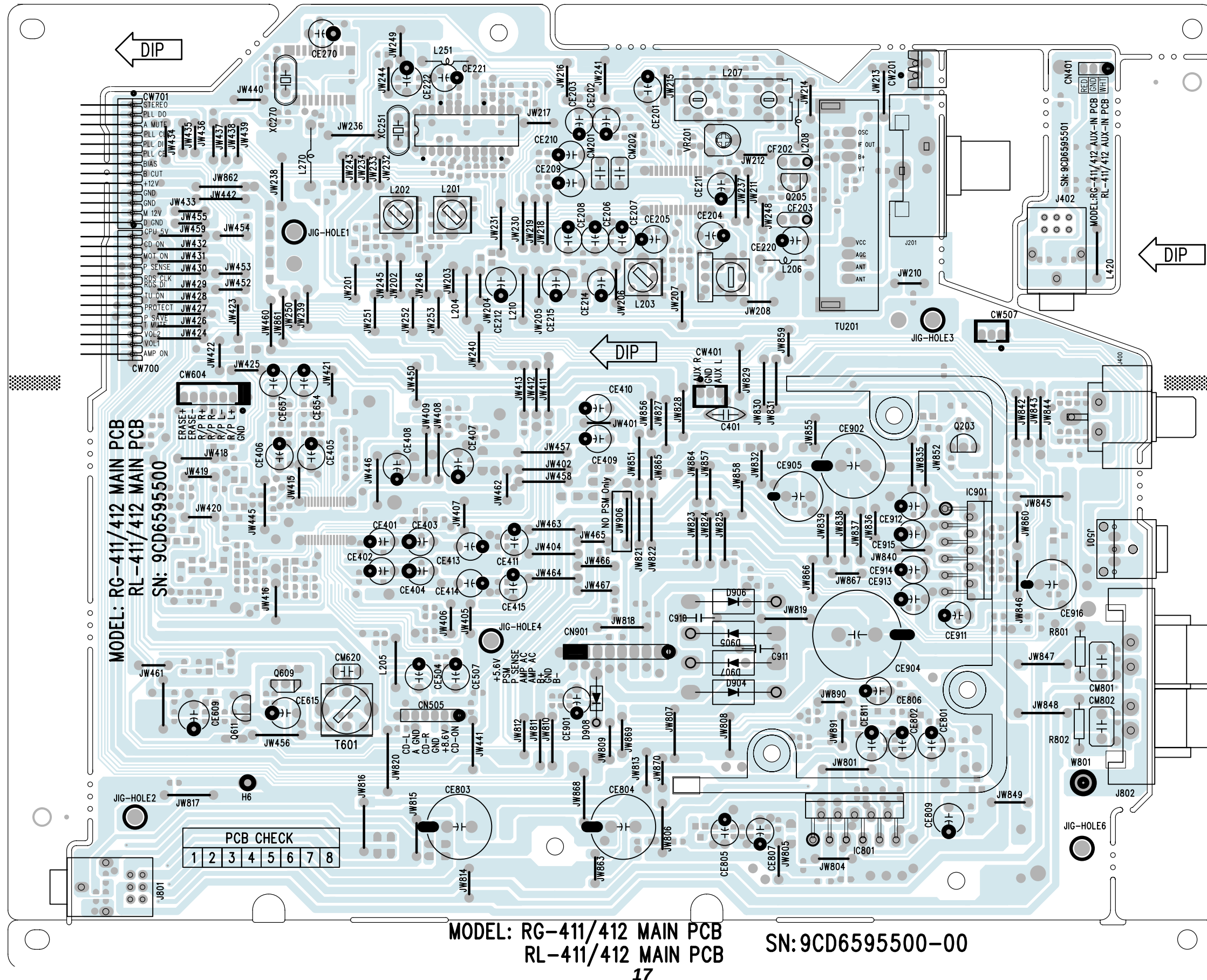
Schematic Diagram

• POWER



P.C.B Pattern Layout

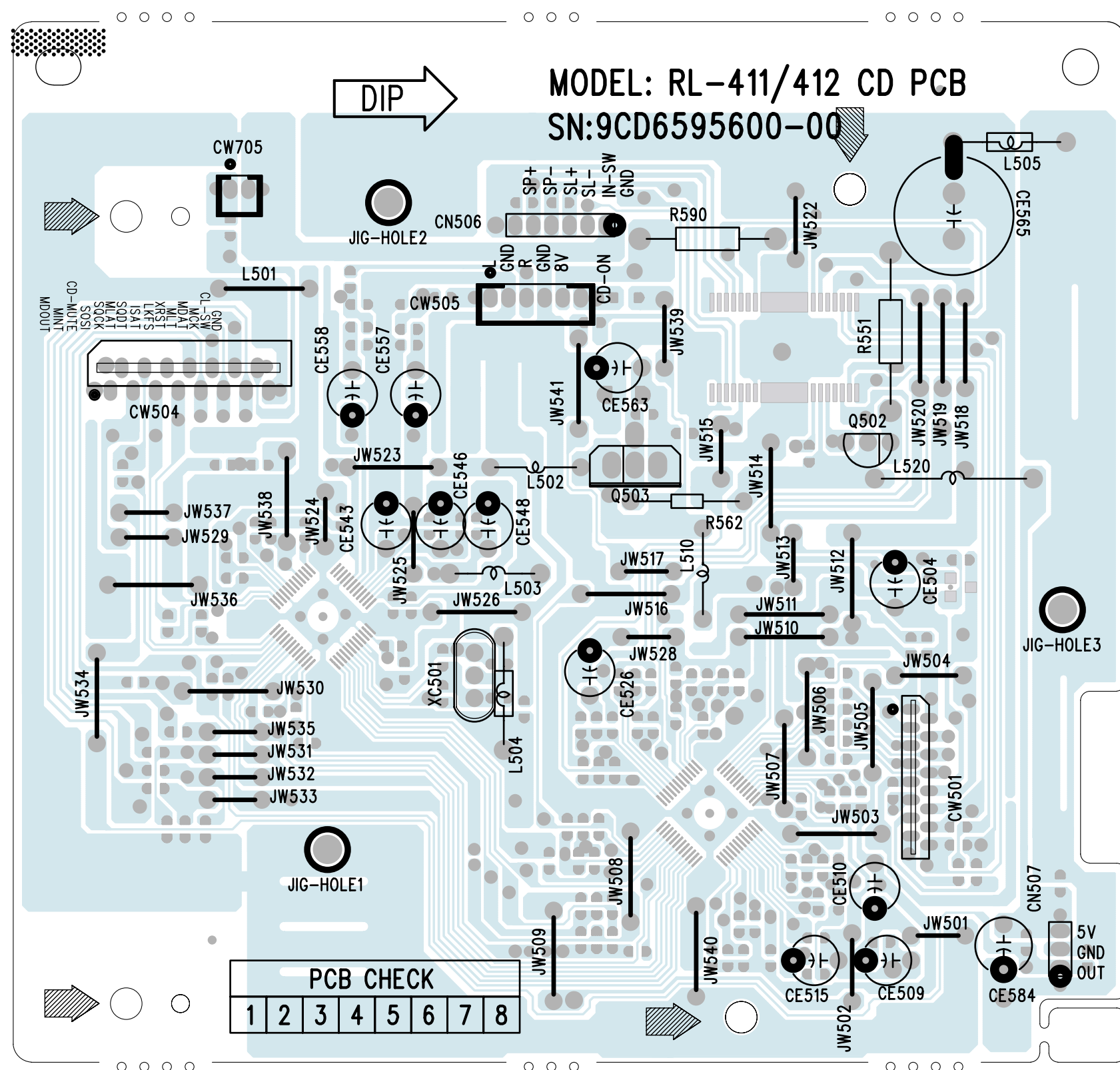
• MAIN-Top View



- **MAIN-Bottom View**



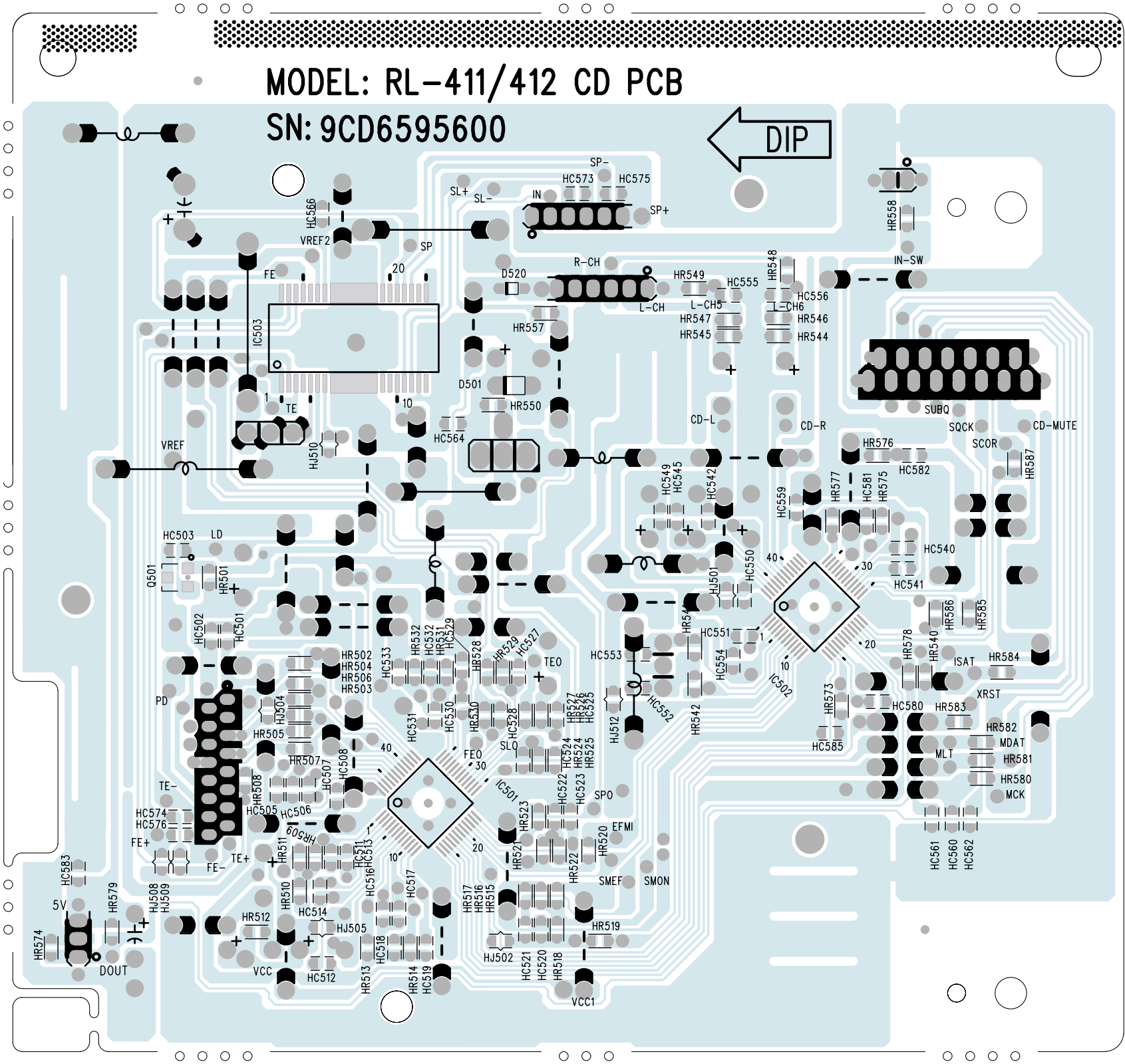
• **CD-Top View : RL-411(R)/412(R) Models only**



RL-411_412-CD-lpp-1104. - Wed Jan 19 14:08:04 2005

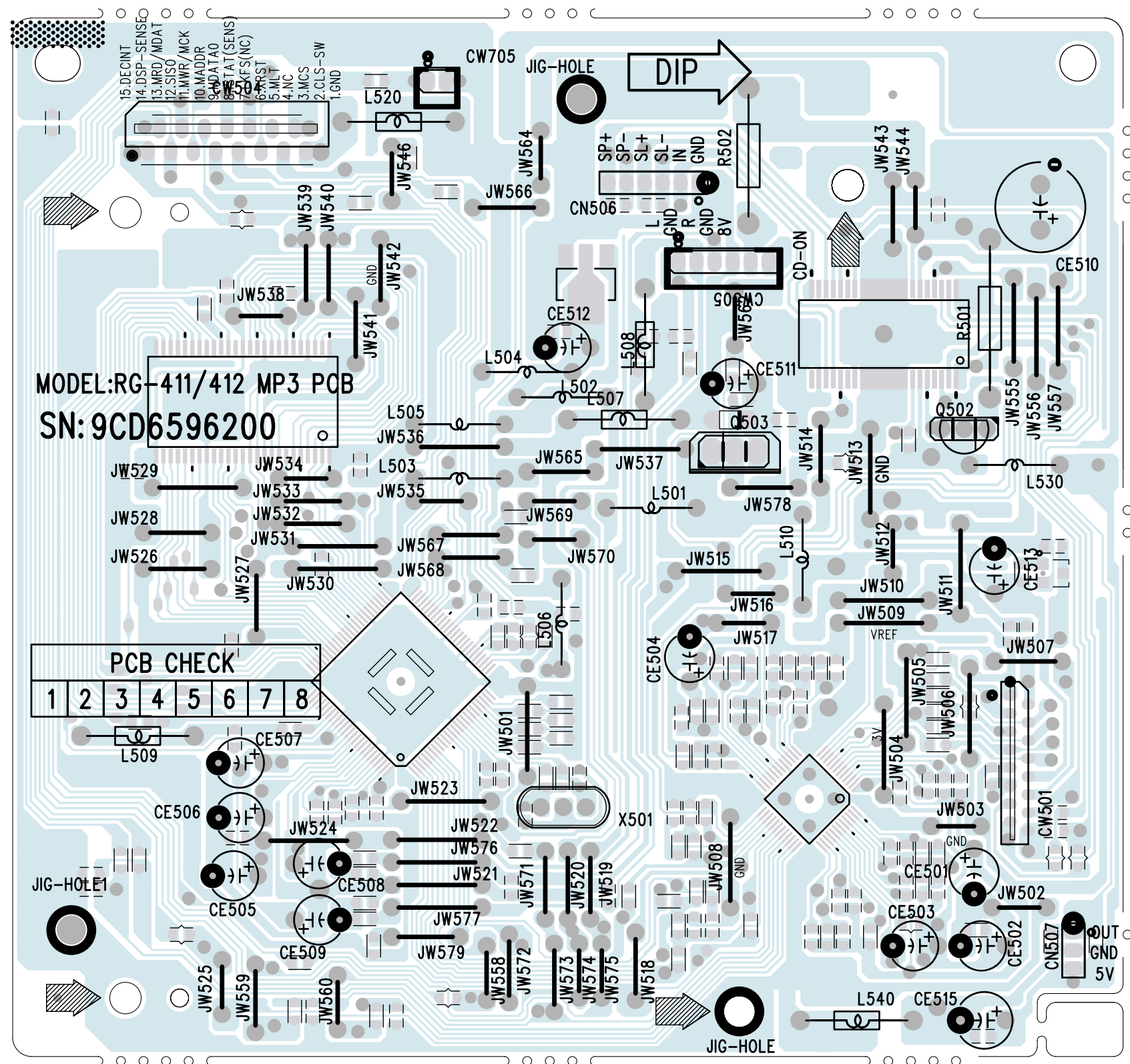
P.C.B Pattern Layout

• CD-Bottom View : RL-411(R)/412(R) Models only



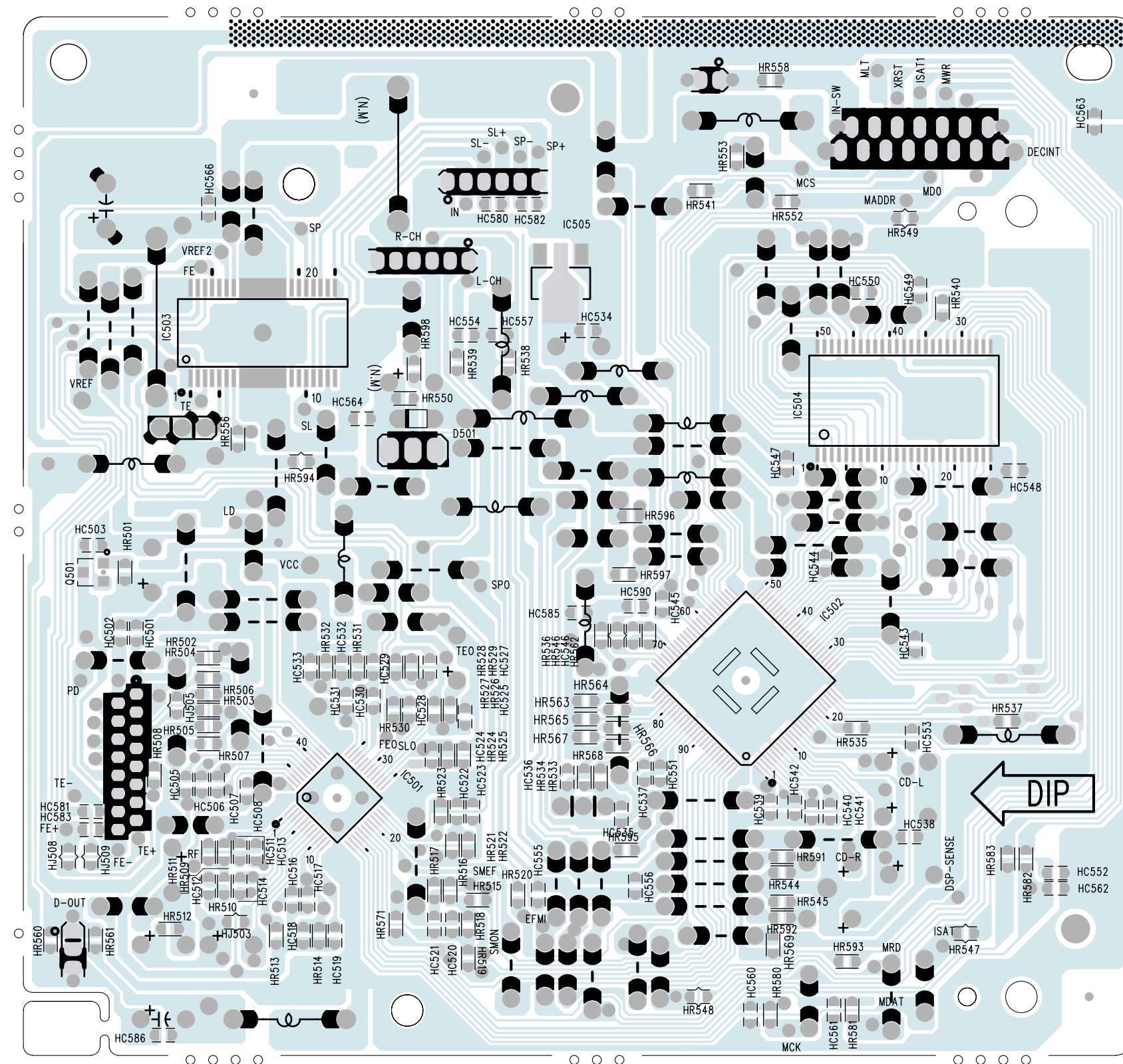
RL-411_412-CD-lpp-1104. - Wed Jan 19 16:17:24 2005

• **MP3 CD-Top View : RL-411G(R)/412G(R) Models only**



RG-411_412-MP3-lpp-1104 - Wed Jan 19 13:48:23 2005

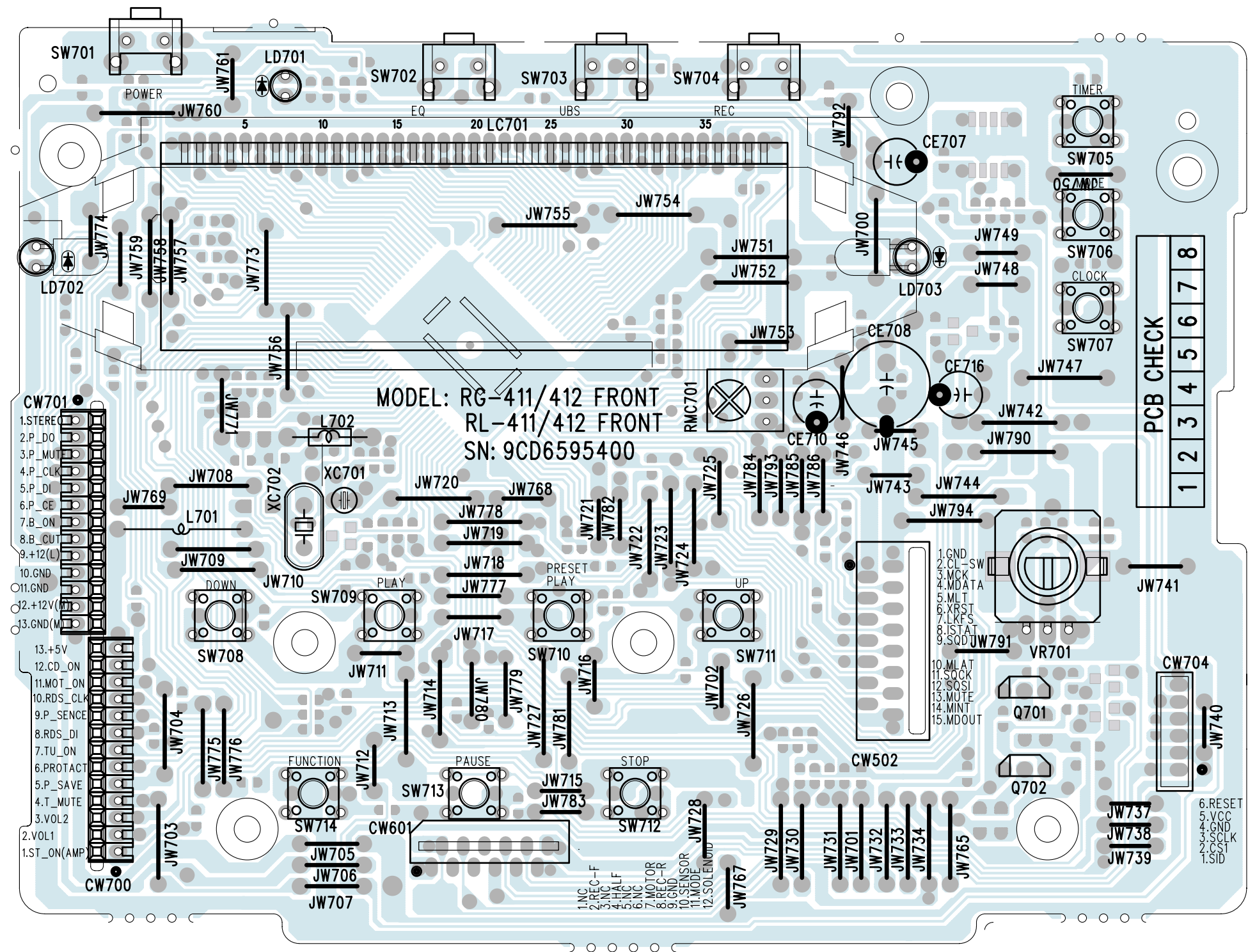
- **MP3 CD-Bottom View : RL-411G(R)/412G(R) Models only**



RG-411_412-MP3-lpp-1104 - Wed Jan 19 16:18:40 2005

P.C.B Pattern Layout

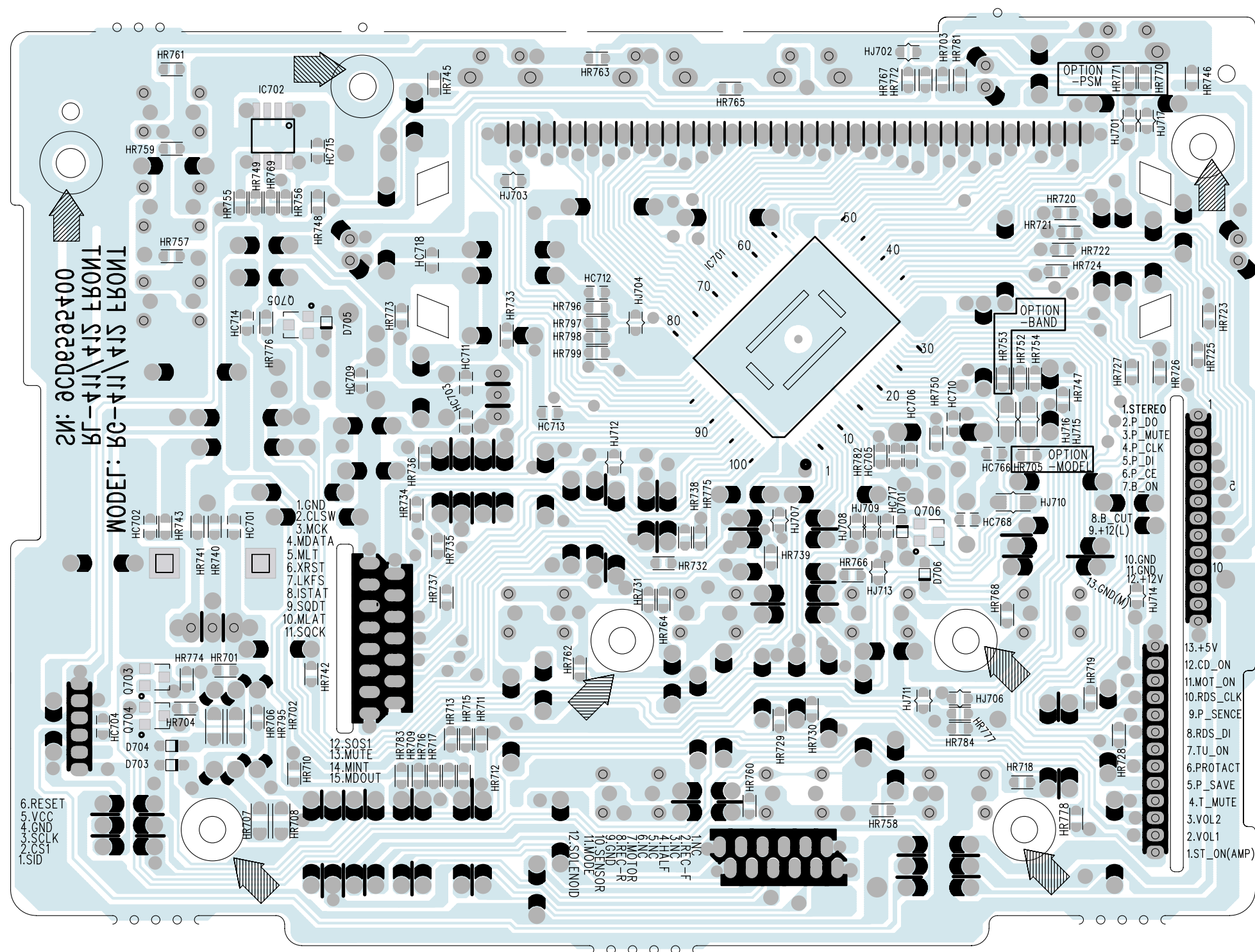
• FRONT-Top View



MODEL: RG-411/412 FRONT PCB SN: 9CD6595400-00

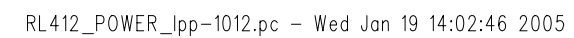
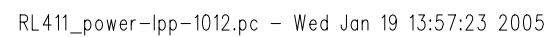
RG_RL-411_412-FRONTPCB- - Wed Jan 19 14:51:31 2005

- **FRONT-Bottom View**



RG_RL-411_412-FRONTPCB- - Wed Jan 19 16:23:06 2005

- **POWER**



Electrical Part List

PCB MAIN ASS'Y [9CDC072900] : RL-412

Loc.	Part Code	Part Name	Description	Remark
B801	9CD6595500	PCB MAIN	220X186X1.6T	
C401	CCXF1H104Z	C CERA	50V F 0.1MF Z	
CE201	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE202	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE203	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE204	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE205	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE206	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE207	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP	
CE208	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE209	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE210	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE211	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE212	CEXF1E101V	C ELECTRO	25V RSS100MF (6.3X11) TP	
CE214	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE215	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE220	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE221	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE222	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
CE270	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	RDS Model Only
CE401	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP	
CE402	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP	
CE403	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
CE404	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
CE405	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE406	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE407	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
CE408	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE409	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE410	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE411	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE413	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE414	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE415	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE504	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE507	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE609	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
CE615	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
CE654	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	
CE657	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	
CE801	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE802	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE803	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
CE804	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
CE805	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE806	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	
CE807	CEXF1H470V	C ELECTRO	50V RSS 47MF (5X11) TP	
CE808	W581GY6095	wire jumper	6mm	
CE809	CEXF1E101V	C ELECTRO	25V RSS100MF (6.3X11) TP	
CE810	W581GY6095	wire jumper	6mm	
CE811	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
CE901	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE902	CEXF1V102V	C ELECTRO	35V RSS1000MF (13X25)	
CE904	CEXF1H222V	C ELECTRO	50V RSS 2200MF (16X35)	RL-412/412G Only
	CEXF1V222V	C ELECTRO	35V RSS 2200MF (16X31.5)	RL-411/411G Only
CE905	CEXF1H471V	C ELECTRO	50V RSS 470MF (10X20) TP	
CE911	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE912	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE913	CEXF1C331V	C ELECTRO	16V RSS 330MF(8X11.5) TP	
CE914	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE915	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
CE916	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X11.5) TP	with PSM only
CF201	5PPCFAZ077	AM C FILTER & COIL	CF&COIL(PCFAZ-077)	
CF202	5PLT107MS3A	FILTER	SFE10.7MS3A	
	5PLT107MJ-	FILTER	SFE10.7MJA-10	Full FTZ Only
CF203	5PLT107MS3A	FILTER	SFE10.7MS3A	
	5PLT107MJ-	FILTER	SFE10.7MJA-10	Full FTZ Only
CM201	CMXM2A183J	C MAYLER	100V 0.018MF J	
CM202	CMXM2A183J	C MAYLER	100V 0.018MF J	
CM620	CMXM2A272J	C MAYLER	100V 2700PF J	
CM801	CMXM2A473J	C MAYLER	100V 0.047MF J	
CM802	CMXM2A473J	C MAYLER	100V 0.047MF J	
CW700	9736407600	CONN PIN	53095-1310 13 PIN ANGLE	
CW701	9736407600	CONN PIN	53095-1310 13 PIN ANGLE	
CW201	2503-WR-02	CONN WAFER	2P S2B-XH-A	
CW401	9728826200	CONN WAFER	PH-3A (P=2.0 3P)	Front AUX Model Only
CW501	9728826200	CONN WAFER	PH-3A (P=2.0 3P)	Optical Out Model only
CW604	9728826900	CONN WAFER	PH-7A (P=2.0 7P)	
CN505	9728826500	CONN AS	6P 220MM P=2.0 BOARD IN	
CN901	9728827100	CONN AS	8P 150MM P=2.5 BOARD IN	with PSM only
	9728827300	CONN AS	6P 140MM P=2.5 BOARD IN	without PSM only
CN604	9728826400	CONN AS	UL1533 #26 P=2.0 7P 190mm(A/S)	
D201	DZDS160---	DIODE CHIP	KDS160	
D602	DZDS160---	DIODE CHIP	KDS160	
D800	DZDS160---	DIODE CHIP	KDS160	
D801	DZDS160---	DIODE CHIP	KDS160	
D802	DZDS160---	DIODE CHIP	KDS160	
D803	DZDS160---	DIODE CHIP	KDS160	
D804	DZDS160---	DIODE CHIP	KDS160	
D904	DRL202----	DIODE	RL202	
D905	DRL202----	DIODE	RL202	
D906	DRL202----	DIODE	RL202	
D907	DRL202----	DIODE	RL202	
D908	DKN4001---	DIODE	1N4001	
D909	DZDS160---	DIODE CHIP	KDS160	with PSM only
	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	without PSM only
D915	DZDS160---	DIODE CHIP	KDS160	with PSM only
D916	DZDS160---	DIODE CHIP	KDS160	with PSM only
D917	DZDS160---	DIODE CHIP	KDS160	with PSM only
D940	DZDS160---	DIODE CHIP	KDS160	with PSM only
D941	DZDS160---	DIODE CHIP	KDS160	with PSM only
DZ201	DRLZ6R2B--	DIODE ZENER CHIP	RLZ6.2B	
DZ401	DRLZ4R7B--	DIODE ZENER CHIP	RLZ4.7B	
DZ402	DRLZ4R7B--	DIODE ZENER CHIP	RLZ4.7B	
DZ801	DRLZ5R1B--	DIODE ZENER CHIP	RLZ5.1B	
HC201	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC202	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	
HC203	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608	Full FTZ Only
	HCQK821JBA	C CHIP CERA	50V CH 820PF J 1608	Simple FTZ Only
HC204	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC205	HCBK472KBA	C CHIP CERA	50V X7R 4700PF K 1608	
HC206	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC207	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC208	HCQK409DBA	C CHIP CERA	50V CH 4PF D 1608	
HC209	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	
HC210	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC211	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC212	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC214	HCBK472KBA	C CHIP CERA	50V X7R 4700PF K 1608	
HC215	HCBK472KBA	C CHIP CERA	50V X7R 4700PF K 1608	
HC216	HCBK822KBA	C CHIP CERA	50V X7R 8200PF K 1608	Full FTZ Only
HC217	HCBK822KBA	C CHIP CERA	50V X7R 8200PF K 1608	Full FTZ Only
HC218	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	
HC219	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HC220	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC221	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC222	HCQK150JBA	C CHIP CERA	50V CH 15PF J 1608	
HC223	HCQK820JBA	C CHIP CERA	50V CH 82PF J 1608	
HC224	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC225	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	RDS Model Only
HC226	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	RDS Model Only
HC227	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC228	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC251	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC252	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC253	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC254	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC255	HCQK360JBA	C CHIP CERA	50V CH 36PF J 1608	
HC256	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
HC270	HCQK271JBA	C CHIP CERA	50V CH 270PF J 1608	RDS Model Only
HC277	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	RDS Model Only
HC278	HCQK270JBA	C CHIP CERA	50V CH 27PF J 1608	RDS Model Only
HC279	HCQK470JBA	C CHIP CERA	50V CH 47PF J 1608	RDS Model Only
HC290	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC401	HCBK683KBA	C CHIP CERA	50V X7R 0.068UF K 1608	
HC402	HCBK683KBA	C CHIP CERA	50V X7R 0.068UF K 1608	
HC403	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC404	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC405	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC406	HCBK332KBA	C CHIP CERA	50V X7R 3300PF K 1608	
HC407	HCBK332KBA	C CHIP CERA	50V X7R 3300PF K 1608	
HC408	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608	
HC409	HCBK822KBA	C CHIP CERA	50V X7R 8200PF K 1608	
HC410	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	Rear AUX Model Only
HC411	CCXF1H104Z	C CERA	50V F 0.1MF Z	
HC412	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	Rear AUX Model Only
HC419	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	Rear AUX Model Only
HC420	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	Rear AUX Model Only
HC421	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC501	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC502	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC601	HCBK223KBA	C CHIP CERA	50V X7R 0.022UF K 1608	
HC602	HCBK223KBA	C CHIP CERA	50V X7R 0.022UF K 1608	
HC604	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC606	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC607	HCQK181JBA	C CHIP CERA	50V CH 180PF J 1608	
HC608	HCQK181JBA	C CHIP CERA	50V CH 180PF J 1608	
HC611	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC612	HCBK682KBA	C CHIP CERA	50V X7R 6800PF K 1608	
HC613	HCBK682KBA	C CHIP CERA	50V X7R 6800PF K 1608	
HC614	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC621	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC622	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC649	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608	
HC650	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608	
HC652	HCBK122KBA	C CHIP CERA	50V X7R 1200PF K 1608	
HC653	HCBK122KBA	C CHIP CERA	50V X7R 1200PF K 1608	
HC655	HCBK822KBA	C CHIP CERA	50V X7R 8200PF K 1608	
HC656	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608	
HC660	HCQK470JBA	C CHIP CERA	50V CH 47PF J 1608	
HC661	HCQK470JBA	C CHIP CERA	50V CH 47PF J 1608	
HC669	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC801	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC802	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC803	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC807	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC808	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HC812	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	
HC813	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	
HC816	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC820	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC901	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC902	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
HC903	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
HC904	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
HC905	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
HC906	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
HC907	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC908	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC909	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC910	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC911	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
C910	CMXM1A104J	C MAYLER	100V F 0.1MF Z	
C911	CMXM1A104J	C MAYLER	100V F 0.1MF Z	
HJ204	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	Simple FTZ Only
HJ205	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	Simple FTZ Only
HJ207	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ208	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ209	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	RDS Model Only
HJ210	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ212	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ213	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ215	HRF4000-EA	R-CHIP	1/4W 0 OHM J 3216	
HJ220	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ221	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ222	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ401	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ402	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ403	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ801	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ810	HRF4000-EA	R-CHIP	1/4W 0 OHM J 3216	
HJ811	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HR201	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HR202	HRFT153JBA	R-CHIP	1/10 15K OHM J 1608	Semptoshiba(AM 100dBu) Model Only
HR202	HRFT273JBA	R-CHIP	1/10 27K OHM J 1608	Daewoo(AM 126dBu) Model Only
HR203	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR204	HRFT220JBA	R-CHIP	1/10 22 OHM J 1608	
HR205	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR206	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR207	HRFT470JBA	R-CHIP	1/10 47 OHM J 1608	
HR208	HRFT332JBA	R-CHIP	1/10 3.3K OHM J 1608	
HR211	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HR212	HRFT272JBA	R-CHIP	1/10 2.7K OHM J 1608	
HR213	HRFT272JBA	R-CHIP	1/10 2.7K OHM J 1608	
HR214	HRFT332JBA	R-CHIP	1/10 3.3K OHM J 1608	Full FTZ Only
HR215	HRFT332JBA	R-CHIP	1/10 3.3K OHM J 1608	Full FTZ Only
HR216	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	
HR218	HRFT183JBA	R-CHIP	1/10 18K OHM J 1608	Daewoo Model Only
	HRFT333JBA	R-CHIP	1/10 33K OHM J 1608	Semptoshiba Model Only
HR219	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	
HR220	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	
HR221	HRFT683JBA	R-CHIP	1/10 68K OHM J 1608	
HR222	HRFT562JBA	R-CHIP	1/10 5.6K OHM J 1608	
HR224	HRFT682JBA	R-CHIP	1/10 6.8K OHM J 1608	
HR225	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR226	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR227	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR228	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR229	HRFT332JBA	R-CHIP	1/10 3.3K OHM J 1608	
HR230	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HR231	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR232	HRFT271JBA	R-CHIP	1/10 270 OHM J 1608	
HR233	HRFT470JBA	R-CHIP	1/10 47 OHM J 1608	
HR234	HRFT332JBA	R-CHIP	1/10 3.3K OHM J 1608	
HR235	HRFT681JBA	R-CHIP	1/10 680 OHM J 1608	
HR236	HRFT331JBA	R-CHIP	1/10 330 OHM J 1608	
HR237	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR240	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR241	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR242	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HR243	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HR244	HRFT683JBA	R-CHIP	1/10 68K OHM J 1608	Full FTZ Only
	HRFT562JBA	R-CHIP	1/10 5.6K OHM J 1608	Simple FTZ Only
HR245	HRFT683JBA	R-CHIP	1/10 68K OHM J 1608	Full FTZ Only
	HRFT562JBA	R-CHIP	1/10 5.6K OHM J 1608	Simple FTZ Only
HR246	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HR247	HRFT183JBA	R-CHIP	1/10 18K OHM J 1608	Daewoo(FM 40k dev.) Model Only
	HRFT333JBA	R-CHIP	1/10 33K OHM J 1608	Semproshiba(FM 75k dev.) Model Only
HR248	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR249	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	
HR251	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR252	HRFT470JBA	R-CHIP	1/10 47 OHM J 1608	
HR253	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR254	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR255	HRFT100JBA	R-CHIP	1/10 10 OHM J 1608	
HR256	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR257	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR258	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR259	HRFT123JBA	R-CHIP	1/10 12K OHM J 1608	
HR260	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR261	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR262	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR263	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR264	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR265	HRFT682JBA	R-CHIP	1/10 6.8K OHM J 1608	
HR266	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR270	HRFT470JBA	R-CHIP	1/10 47 OHM J 1608	RDS Model Only
HR271	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	RDS Model Only
HR272	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	RDS Model Only
HR276	HRFT272JBA	R-CHIP	1/10 2.7K OHM J 1608	
HR282	HRFT100JBA	R-CHIP	1/10 10 OHM J 1608	
HR283	HRF4100JEA	R-CHIP	1/4 10 OHM J 3216	
HR290	HRFT105JBA	R-CHIP	1/10 1M OHM J 1608	
HR401	HRFT332JBA	R-CHIP	1/10 3.3K OHM J 1608	
HR402	HRFT332JBA	R-CHIP	1/10 3.3K OHM J 1608	
HR403	HRFT683JBA	R-CHIP	1/10 68K OHM J 1608	
HR404	HRFT683JBA	R-CHIP	1/10 68K OHM J 1608	
HR405	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR408	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR409	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR410	HRFT563JBA	R-CHIP	1/10 56K OHM J 1608	
HR411	HRFT563JBA	R-CHIP	1/10 56K OHM J 1608	
HR412	HRFT394JBA	R-CHIP	1/10 390K OHM J 1608	
HR413	HRFT122JBA	R-CHIP	1/10 1.2K OHM J 1608	
HR414	HRFT153JBA	R-CHIP	1/10 15K OHM J 1608	
HR415	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	Rear AUX Model Only
HR416	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	Rear AUX Model Only
HR417	HRFT471JBA	R-CHIP	1/10 470 OHM J 1608	Rear AUX Model Only
HR418	HRFT471JBA	R-CHIP	1/10 470 OHM J 1608	Rear AUX Model Only
HR419	HRFT122JBA	R-CHIP	1/10 1.2K OHM J 1608	
HR420	HRFT122JBA	R-CHIP	1/10 1.2K OHM J 1608	
HR425	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR426	HRFT332JBA	R-CHIP	1/10 3.3K OHM J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HR427	HRFT562JBA	R-CHIP	1/10 5.6K OHM J 1608	
HR429	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR430	HRFT562JBA	R-CHIP	1/10 5.6K OHM J 1608	
HR433	HRFT332JBA	R-CHIP	1/10 3.3K OHM J 1608	
HR451	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR453	HRFT822JBA	R-CHIP	1/10 8.2K OHM J 1608	
HR454	HRFT822JBA	R-CHIP	1/10 8.2K OHM J 1608	
HR480	HRF4121JEA	R-CHIP	1/4W 120 OHM J 3216	
HR481	HRF4121JEA	R-CHIP	1/4W 120 OHM J 3216	
HR482	HRF4121JEA	R-CHIP	1/4W 120 OHM J 3216	
HR483	HRF4121JEA	R-CHIP	1/4W 120 OHM J 3216	
HR484	HRF4221JEA	R-CHIP	1/4W 220 OHM J 3216	
HR485	HRF4221JEA	R-CHIP	1/4W 220 OHM J 3216	
HR490	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR521	HRFT822JBA	R-CHIP	1/10 8.2K OHM J 1608	Daewoo(CD - 6dB) Model Only
	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	Semptoshiba(CD - 3dB) Model Only
HR522	HRFT822JBA	R-CHIP	1/10 8.2K OHM J 1608	Daewoo Model Only
	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	Semptoshiba Model Only
HR523	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR524	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR601	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR602	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR604	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR613	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR614	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR615	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR616	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR617	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR618	HRFT332JBA	R-CHIP	1/10 3.3K OHM J 1608	
HR619	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR620	HRFT332JBA	R-CHIP	1/10 3.3K OHM J 1608	
HR621	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR638	HRFT562JBA	R-CHIP	1/10 5.6K OHM J 1608	
HR639	HRFT563JBA	R-CHIP	1/10 56K OHM J 1608	
HR640	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR641	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	
HR642	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR649	HRFT153JBA	R-CHIP	1/10 15K OHM J 1608	
HR650	HRF4479JEA	R-CHIP	1/4W 4.7 OHM J 3216	
HR652	HRFT820JBA	R-CHIP	1/10 82 OHM J 1608	
HR667	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR668	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR672	HRFT105JBA	R-CHIP	1/10 1M OHM J 1608	
HR674	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR675	HRFT392JBA	R-CHIP	1/10 3.9K OHM J 1608	
HR677	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR678	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	RL-412/412G Only
	HRFT121JBA	R-CHIP	1/10 120 OHM J 1608	RL-411/411G Only
HR679	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	RL-412/412G Only
	HRFT121JBA	R-CHIP	1/10 120 OHM J 1608	RL-411/411G Only
HR680	HRFT122JBA	R-CHIP	1/10 1.2K OHM J 1608	
HR681	HRFT394JBA	R-CHIP	1/10 390K OHM J 1608	
HR683	HRFT153JBA	R-CHIP	1/10 15K OHM J 1608	
HR684	HRFT471JBA	R-CHIP	1/10 470 OHM J 1608	
HR685	HRFT471JBA	R-CHIP	1/10 470 OHM J 1608	
HR686	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR687	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR801	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	
HR802	HRFT225JBA	R-CHIP	1/10 2.2M OHM J 1608	
HR803	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR804	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR805	HRFT392JBA	R-CHIP	1/10 3.9K OHM J 1608	
HR806	HRFT392JBA	R-CHIP	1/10 3.9K OHM J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HR807	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR808	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR809	HRFT681JBA	R-CHIP	1/10 680 OHM J 1608	RL-412/412G Only
	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	RL-411/411G Only
HR810	HRFT681JBA	R-CHIP	1/10 680 OHM J 1608	RL-412/412G Only
	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	RL-411/411G Only
HR811	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR812	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR813	HRFT182JBA	R-CHIP	1/10 1.8K OHM J 1608	
HR814	HRFT182JBA	R-CHIP	1/10 1.8K OHM J 1608	
HR815	HRFT563JBA	R-CHIP	1/10 56K OHM J 1608	
HR816	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR817	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR818	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR821	HRF4221JEA	R-CHIP	1/4W 220 OHM J 3216	
HR822	HRF4221JEA	R-CHIP	1/4W 220 OHM J 3216	
HR824	HRF4221JEA	R-CHIP	1/4W 220 OHM J 3216	
HR826	HRF4221JEA	R-CHIP	1/4W 220 OHM J 3216	
HR827	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR828	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR829	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR830	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR850	HRF4101JEA	R-CHIP	1/4W 100 OHM J 3216	
HR851	HRF4101JEA	R-CHIP	1/4W 100 OHM J 3216	
HR901	HRFT273JBA	R-CHIP	1/10 27K OHM J 1608	with PSM only
HR902	HRFT273JBA	R-CHIP	1/10 27K OHM J 1608	with PSM only
HR903	HRFT821JBA	R-CHIP	1/10 820 OHM J 1608	with PSM only
HR908	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR909	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR910	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	
HR911	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	
HR912	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	
HR916	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR917	HRFT821JBA	R-CHIP	1/10 820 OHM J 1608	with PSM only
HR918	HRFT821JBA	R-CHIP	1/10 820 OHM J 1608	with PSM only
HR919	HRFT821JBA	R-CHIP	1/10 820 OHM J 1608	with PSM only
HR920	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	with PSM only
HR982	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR983	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR996	HRFT682JBA	R-CHIP	1/10 6.8K OHM J 1608	
IC201	1LA1844M--	IC TUNER	LA1844M	
IC202	1LC72131--	IC,PLL	LC72131	
IC270	1TDA7478--	IC RDS	TDA7478	RDS Model Only
IC401	1BD3881FV-	IC,VOLUME	BD3881FV	
IC801	1TDA7269A-	IC,POWER	TDA7269A	RL-412/412G Only
IC801	1TDA7499--	IC,POWER	TDA7499	RL-411/411G Only
IC901	1L4959----	IC REGULATOR	L4959	
J201	9736324900	JACK	IF-A	
J400	9CD6313700	JACK RCA	S-436P	Rear AUX Model Only
J501	1TXOC0805-	IC/ JACK OPTIAL	OC-0805TX	Optical Out Model only
J801	9766318110	JACK HP	TC38-084-03-01 (GOLD)	
J802	9736320500	JACK SPEAKER	CJ-9007-040	
JW204	W581GY6095	WIRE JUMPER	AWG 22 1/0.65 SN6.0 AUTO	Simple FTZ Only
JW205	W581GY6095	WIRE JUMPER	AWG 22 1/0.65 SN6.0 AUTO	Simple FTZ Only
JW906	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	
L201	5P75J207--	COIL IFT	COIL-FM-MPX(75J-207)	Full FTZ Only
L202	5P75J207--	COIL IFT	COIL-FM-MPX(75J-207)	Full FTZ Only
L203	5107FBKA33	COIL IFT	COIL-FMDET(A33S)	
L204	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	
L205	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	
L206	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	
L207	5LR0000835	AM RF UNIT	KSNT 213M-1	
L208	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
L210	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	
L251	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	
L270	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	RDS Model Only
L401	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	
L620	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	
Q201	TZTD1304--	TR CHIP	KTD1304	
Q202	TZTD1304--	TR CHIP	KTD1304	
Q203	TZTA1266Y-	TR	KTA1266	
Q204	TZRC107S--	TR CHIP	KRC107S	
Q205	TZTC3194Y-	TR	KTC3194	
Q206	TZRA107S--	TR CHIP	KRA107S	
Q601	T2SK2158--	FET CHIP	2SK2158	
Q602	T2SK2158--	FET CHIP	2SK2158	
Q603	T2SK2158--	FET CHIP	2SK2158	
Q604	TZTA1504S-	TR CHIP	KTA1504	
Q605	TZTA1504S-	TR CHIP	KTA1504	
Q606	TZRA103S--	TR CHIP	KRA103S	
Q607	TZRA103S--	TR CHIP	KRA103S	
Q608	TZRC107S--	TR CHIP	KRC107S	
Q609	TZTC3205Y-	TR	KTC3205	
Q611	TZTC3198Y-	TR	KTC3198Y (2SC5345) AUTO	
Q612	TZTC3875S-	TR CHIP	KTC3875	
Q801	TZTD1304--	TR CHIP	KTD1304	
Q802	TZTD1304--	TR CHIP	KTD1304	
Q803	TZRA111S--	TR CHIP	KRA111S	
Q804	TZTC3875S-	TR CHIP	KTC3875	
Q805	TZRA107S--	TR CHIP	KRA107S	
Q902	TZTC3875S-	TR CHIP	KTC3875	with PSM only
Q903	TZTC3875S-	TR CHIP	KTC3875	with PSM only
R801	RD-AZ479J-	R CARBON FILM	1/4W 4.7 OHM J	
R802	RD-AZ479J-	R CARBON FILM	1/4W 4.7 OHM J	
T601	5L0503K643	COIL BIAS OSC	SM-10F 5.04MH	
TU201	9737613201	TUNER PACK	(3 GANG)	EUROPE
	9737613501	TUNER PACK	F/END(KST-F404VA)	Full FTZ Only
	9737613801	TUNER PACK	(2 GANG)	AMERICA
VR201	RV1417103-	R SEMI FIXED	1/10 10K OHM	
XC251	5XA7R2000D	X-TAL	7.2MHZ	
XC270	5XA4R332M-	X-TAL	4.332MHZ	RDS Model Only

PCB FRONT ASS'Y [9CDC072400] : RL-412

Loc.	Part Code	Part Name	Description	Remark
B701	9CD6595400	PCB FRONT	145X108X1.6T	
CE707	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE708	CEXF1A102V	C ELECTRO	10V RSS 1000MF (8X12.5) TP	
CE710	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE716	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CW601	9CD6264400	CONN WAFER	FPC-1.25-12P RIGHT ANGLE	
CW502	9CD6261500	CONN WAFER	52492-1520 BOTTOM ENTRY	
CN601	9728826800	CONN AS	FFC 12P P=1.25 X 80MM C	
CN502	9728826300	CONN AS	FFC 15P P=1.25 X 120MM C	
CW700	9736407900	PIN WAFER	52084-1010 10P BOTTOM	
CW701	9736407900	PIN WAFER	52084-1010 10P BOTTOM	
D701	DZDS160---	DIODE CHIP	KDS160	
D703	DZDS160---	DIODE CHIP	KDS160	
D704	DZDS160---	DIODE CHIP	KDS160	
D705	DZDS160---	DIODE CHIP	KDS160	
D706	DZDS160---	DIODE CHIP	KDS160	
HC701	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC702	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC703	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC704	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
HC705	HCQK180JBA	C CHIP CERA	50V CH 18PF J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HC706	HCQK180JBA	C CHIP CERA	50V CH 18PF J 1608	
HC709	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
HC710	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC711	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
HC712	HCBK224KBA	C CHIP CERA	50V X7R 0.22MF K 1608	
HC713	HCBK224KBA	C CHIP CERA	50V X7R 0.22MF K 1608	
HC714	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
HC715	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
HC717	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC718	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC766	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
HC768	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
HJ701	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ702	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ703	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ704	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ706	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ707	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ708	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ709	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ710	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ711	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ712	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ713	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ714	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ715	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ716	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ717	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ718	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HR701	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR702	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR703	HRFT561JBA	R-CHIP	1/10 560 OHM J 1608	with PSM Only
HR704	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR705	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	A/S, SS, without MP3 Only
	HRFT331JBA	R-CHIP	1/10 330 OHM J 1608	A/S, SS, with MP3 Only
	HRFT331JBA	R-CHIP	1/10 680 OHM J 1608	A/S, SS, MP3 Only
	HRFT331JBA	R-CHIP	1/10 1.2K OHM J 1608	A/R, SS, without MP3 Only
	HRFT331JBA	R-CHIP	1/10 1.8K OHM J 1608	A/R, SS, with MP3 Only
	HRFT331JBA	R-CHIP	1/10 2.7K OHM J 1608	A/R, SS, with MP3 Only
	HRFT331JBA	R-CHIP	1/10 3.9K OHM J 1608	A/S, Sony, without MP3 Only
	HRFT331JBA	R-CHIP	1/10 6.8K OHM J 1608	A/S, Sony, with MP3 Only
	HRFT331JBA	R-CHIP	1/10 10K OHM J 1608	A/S, Sony, with MP3 Only
	HRFT331JBA	R-CHIP	1/10 15K OHM J 1608	A/R, Sony, without MP3 Only
	HRFT331JBA	R-CHIP	1/10 22K OHM J 1608	A/R, Sony, with MP3 Only
	HRFT331JBA	R-CHIP	1/10 47K OHM J 1608	A/R, Sony, with MP3 Only
HR706	HRF4120JEA	R-CHIP	1/4W 12 OHM J 3216	
HR707	HRF4120JEA	R-CHIP	1/4W 12 OHM J 3216	
HR708	HRF4120JEA	R-CHIP	1/4W 12 OHM J 3216	
HR709	HRFT822JBA	R-CHIP	1/10 8.2K OHM J 1608	
HR710	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	
HR711	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR712	HRFT183JBA	R-CHIP	1/10 18K OHM J 1608	
HR713	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	
HR715	HRFT822JBA	R-CHIP	1/10 8.2K OHM J 1608	
HR716	HRFT822JBA	R-CHIP	1/10 8.2K OHM J 1608	
HR717	HRFT822JBA	R-CHIP	1/10 8.2K OHM J 1608	
HR718	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR719	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR720	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR721	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR722	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR723	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR724	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HR725	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR726	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR727	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR728	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR729	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR730	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR731	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR732	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR733	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR734	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR735	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR736	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR737	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR738	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR739	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR740	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR741	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR742	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR743	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR745	HRFT100JBA	R-CHIP	1/10 10 OHM J 1608	
HR746	HRFT100JBA	R-CHIP	1/10 10 OHM J 1608	
HR747	HRFT152JBA	R-CHIP	1/10 1.5K OHM J 1608	
HR748	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR749	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR750	HRFT151JBA	R-CHIP	1/10 150 OHM J 1608	
HR752	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR753	HRFT331JBA	R-CHIP	1/10 330 OHM J 1608	AM2
	HRFT681JBA	R-CHIP	1/10 680 OHM J 1608	CIS w/RDS
	HRFT122JBA	R-CHIP	1/10 1.2K OHM J 1608	EU w/o RDS
	HRFT182JBA	R-CHIP	1/10 1.8K OHM J 1608	JAPAN
	HRFT272JBA	R-CHIP	1/10 2.7K OHM J 1608	ASIA1/12
	HRFT392JBA	R-CHIP	1/10 3.9K OHM J 1608	ASIA2/24
	HRFT682JBA	R-CHIP	1/10 6.8K OHM J 1608	CIS w/o RDS
	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	S/AM
	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	EU w/ RDS
	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	AM1
HR754	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR755	HRFT470JBA	R-CHIP	1/10 47 OHM J 1608	
HR756	HRFT470JBA	R-CHIP	1/10 47 OHM J 1608	
HR757	HRFT391JBA	R-CHIP	1/10 390 OHM J 1608	
HR758	HRFT391JBA	R-CHIP	1/10 390 OHM J 1608	
HR759	HRFT331JBA	R-CHIP	1/10 330 OHM J 1608	
HR760	HRFT331JBA	R-CHIP	1/10 330 OHM J 1608	
HR761	HRFT271JBA	R-CHIP	1/10 270 OHM J 1608	
HR762	HRFT271JBA	R-CHIP	1/10 270 OHM J 1608	
HR763	HRFT181JBA	R-CHIP	1/10 180 OHM J 1608	
HR764	HRFT181JBA	R-CHIP	1/10 180 OHM J 1608	
HR765	HRFT151JBA	R-CHIP	1/10 150 OHM J 1608	
HR766	HRFT151JBA	R-CHIP	1/10 150 OHM J 1608	
HR767	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR768	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR769	HRFT100JBA	R-CHIP	1/10 10 OHM J 1608	
HR770	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	without PSM Only
HR771	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	with PSM Only
HR772	HRFT152JBA	R-CHIP	1/10 1.5K OHM J 1608	
HR773	HRFT100JBA	R-CHIP	1/10 10 OHM J 1608	
HR774	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR775	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	
HR776	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR777	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR778	HRFT222JBA	R-CHIP	1/10 2.2K OHM J 1608	
HR781	HRFT392JBA	R-CHIP	1/10 3.9K OHM J 1608	with PSM Only
HR782	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HR783	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR784	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR795	HRF4120JEA	R-CHIP	1/4W 12 OHM J 3216	
HR796	HRFT272JBA	R-CHIP	1/10 2.7K OHM J 1608	
HR797	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR798	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR799	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
IC701	1LC877B412	MICOM	MP3	MP3
IC702	1M24C04MN-	IC, MEMORY	M24C04MN S0P	
L701	5CPZ101K02	COIL PEAKING	100 UH K (AXIAL 3.5 MM)	
L702	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	
LC701	DS0295TM--	LCD	LC0295T/M	
LD701	DSL56VC3F	LED	LED-264-7HD	with PSM Only
LD702	D34AZC2J01	LED	LED 34AZC2J001 PURE GREEN	
LD703	D34AZC2J01	LED	LED 34AZC2J001 PURE GREEN	
Q701	TZTA1273Y-	TR	KTA1273	
Q702	TZTA1273Y-	TR	KTA1273	
Q703	TZRC107S--	TR CHIP	KRC107S	
Q704	TZRC107S--	TR CHIP	KRC107S	
Q705	TZRC107S--	TR CHIP	KRC107S	
Q706	TZRC111S--	TR CHIP	KRC111S	with PSM Only
RMC701	1354HF7---	RMC	RMC(354HF)	
SW701	5S50101008	SW TACT	TACT(1105VA)	
SW702	5S50101008	SW TACT	TACT(1105VA)	
SW703	5S50101008	SW TACT	TACT(1105VA)	
SW704	5S50101008	SW TACT	TACT(1105VA)	
SW705	5S50101001	SW TACT	KPT-1105A 1C1P	
SW706	5S50101001	SW TACT	KPT-1105A 1C1P	
SW707	5S50101001	SW TACT	KPT-1105A 1C1P	
SW708	5S50101001	SW TACT	KPT-1105A 1C1P	
SW709	5S50101001	SW TACT	KPT-1105A 1C1P	
SW710	5S50101001	SW TACT	KPT-1105A 1C1P	
SW711	5S50101001	SW TACT	KPT-1105A 1C1P	
SW712	5S50101001	SW TACT	KPT-1105A 1C1P	
SW713	5S50101001	SW TACT	KPT-1105A 1C1P	
SW714	5S50101001	SW TACT	KPT-1105A 1C1P	
VR701	5SH122403-	SW ENCODER	ENCODER(LE21205K)	
XC701	5XA32R768C	X-TAL	DT-38 32.768KHZ 20PPM	
XC702	5PQZTT80MT	RESONATOR CERA	CSALA8M00T55-B0(8.00MTZ)	

PCB CD ASS'Y [9CDC072600] : RL-411/412

Loc.	Part Code	Part Name	Description	Remark
B501	9CD6595600	PCB CD	123X115X1.6T	
CE504	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	
CE509	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE510	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE515	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE526	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE543	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE546	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE548	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE557	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE558	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE563	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE565	CEXF1C102V	C ELECTRO	16V RSS 1000MF (8X11.5) TP	
CE584	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
CW501	9CD6259300	CONN WAFER	52807-1610 SIDE ENTRY	
CN506	9728826600	CONN AS	6P 110MM P=2.0 BOARD IN	
CW504	9CD6264100	CONN WAFER	FPC P=1.25 15P STRIGHT	
CN507	9728826700	CONN AS	3P 60MM P=2.0 BOARD IN(UL1007#26)	Optical Out Model only
CW705	9728827000	CONN WAFER	PH-2A (P=2.0 2P)	
CW505	9728826500	CONN WAFER	PH-6A (P=2.0 6P)	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
CN504	9728826400	CONN AS	FFC 16P P=1.0 X 120MM D	
CN705	9728827000	CONN AS	UL1007 #26 P=2.0 110MM 2P	
D501	DRLZ3R9B--	DIODE ZENER CHIP	RLZ3.9B	
D520	DZDS160---	DIODE CHIP	KDS160	
HC501	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC502	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC503	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC505	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC506	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC507	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
HC508	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	
HC511	HCQK409DBA	C CHIP CERA	50V CH 4PF D 1608	
HC512	HCQK100DBA	C CHIP CERA	50V CH 10PF J 1608	
HC513	HCBK682KBA	C CHIP CERA	50V X7R 6800PF K 1608	
HC514	HCBK472KBA	C CHIP CERA	50V X7R 0.0047MF K 1608	
HC516	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC517	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC518	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC519	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC520	HCBK333KBA	C CHIP CERA	50V X7R 0.033UF K 1608	
HC521	HCBK474KBA	C CHIP CERA	50V X7R 0.47UF K 1608	
HC522	HCBK332KBA	C CHIP CERA	50V X7R 3300PF K 1608	
HC523	HCBK474KBA	C CHIP CERA	50V X7R 0.47UF K 1608	
HC524	HCBK103KBA	C CHIP CERA	50V X7R 0.01UF K 1608	
HC525	HCBK683KBA	C CHIP CERA	50V X7R 0.068UF K1608	
HC527	HCBK823KBA	C CHIP CERA	50V X7R 0.082UF K1608	
HC528	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608	
HC529	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC530	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608	
HC531	HCBK333KBA	C CHIP CERA	50V X7R 0.033UF K 1608	
HC532	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC533	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC540	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC541	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC542	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC545	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC549	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC550	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC551	HCQK821JBA	C CHIP CERA	50V CH 820P J 1608	
HC554	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC555	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC556	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC559	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC564	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC566	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC573	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608	
HC574	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608	
HC575	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608	
HC576	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608	
HC580	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC581	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
HC582	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC583	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC585	HCQK100DBA	C CHIP CERA	50V CH 10PF J 1608	
HJ501	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ502	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ504	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ505	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ508	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ509	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ510	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HR501	HRFT829JBA	R-CHIP	1/10 8.2 OHM J 1608	
HR502	HRFT823JBA	R-CHIP	1/10 82K OHM J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HR503	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR504	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR505	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR506	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR507	HRFT823JBA	R-CHIP	1/10 82K OHM J 1608	
HR508	HRFT470JBA	R-CHIP	1/10 47 OHM J 1608	
HR509	HRFT562JBA	R-CHIP	1/10 5.6K OHM J 1608	
HR510	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR511	HRFT562JBA	R-CHIP	1/10 5.6K OHM J 1608	
HR513	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR514	HRFT683JBA	R-CHIP	1/10 68K OHM J 1608	
HR515	HRFT183JBA	R-CHIP	1/10 18K OHM J 1608	
HR516	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	
HR517	HRFT105JBA	R-CHIP	1/10 1M OHM J 1608	
HR518	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR519	HRFT562JBA	R-CHIP	1/10 5.6K OHM J 1608	
HR520	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR521	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR522	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR523	HRFT683JBA	R-CHIP	1/10 68K OHM J 1608	
HR523	HRFT823JBA	R-CHIP	1/10 82K OHM J 1608	
HR524	HRFT563JBA	R-CHIP	1/10 56K OHM J 1608	
HR525	HRFT153JBA	R-CHIP	1/10 15K OHM J 1608	
HR526	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	
HR527	HRFT124JBA	R-CHIP	1/10 120K OHM J 1608	
HR528	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR529	HRFT124JBA	R-CHIP	1/10 120K OHM J 1608	
HR530	HRFT124JBA	R-CHIP	1/10 120K OHM J 1608	
HR531	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR532	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	
HR540	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR541	HRFT105JBA	R-CHIP	1/10 1M OHM J 1608	
HR542	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR544	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR545	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR546	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR547	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR548	HRFT123JBA	R-CHIP	1/10 12K OHM J 1608	
HR549	HRFT123JBA	R-CHIP	1/10 12K OHM J 1608	
HR550	HRFT470JBA	R-CHIP	1/10 47 OHM J 1608	
HR557	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR558	HRFT822JBA	R-CHIP	1/10 8.2K OHM J 1608	
HR573	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR575	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR576	HRFT121JBA	R-CHIP	1/10 120 OHM J 1608	
HR577	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR578	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR580	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR581	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR582	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR583	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR584	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR585	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR586	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR587	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
IC501	1S1L9226--	IC(RF)	S1L9226X	
IC502	1S5L9292--	IC(DSP)	S5L9292	
IC503	11P9002---	IC,MOTOR CON	IP9002	
L501	W581GY17J5	WIRE JUMPER	AWG 22 1/0.65 SN17.5 AUTO	
L502	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	
L503	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	
L504	5LX159P829	COIL BEAD	1.5UH MIN	Full FTZ Only
	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	Simple FTZ Only

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
L505	5LX159P829	COIL BEAD	1.5UH MIN	Full FTZ Only
	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	Simple FTZ Only
L510	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	
L520	5CPZ101K02	COIL PEAKING	100 UH K (AXIAL 3.5 MM)	
Q501	KZTA1504--	TR	KTA1504	
Q502	KZTA1266Y-	TR	KTA1266	
Q503	TKTD2058Y-	TR	2SD2058	
R551	RD-2Y229J-	R CARBON FILM	1/2W 2.2 OHM J	
R562	W581GY7595	R CARBON FILM	AWG 22 1/0.65 SN7.5 AUTO	
R590	RD-2Y229J-	R CARBON FILM	1/2W 2.2 OHM J	
XC501	5PQZTT1693	RESONATOR CERA	QTTT16.93MMX(3PIN)	
SW501	5S40101A01	SW PUSH LOCK	R8120125	

PCB MP3 ASS'Y [9CDC073100] : RG-411/412

Loc.	Part Code	Part Name	Description	Remark
B505	9CD6596200	PCB MP3	123X115X1.6T	
CE501	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE502	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE503	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE504	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE505	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE506	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE507	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE508	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE509	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE510	CEXF1A102V	C ELECTRO	10V RSS 1000MF TP	
CE511	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE512	CEXF1C101V	C ELECTRO	16V RSS100MF (6.3X11) TP	
CE513	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	
CE515	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
CW501	9CD6259300	CONN WAFER	52807-1610 SIDE ENTRY	
CN506	9728826600	CONN AS	6P 110MM P=2.0 BOARD IN	
CW504	9CD6264100	CONN WAFER	FPC P=1.25 15P STRIGHT	
CN507	9728826700	CONN AS	3P 80MM P=2.0 BOARD IN(UL1007#26)	
CW705	9728827000	CONN WAFER	PH-2A (P=2.0 2P)	
CW505	9728826500	CONN WAFER	PH-6A (P=2.0 6P)	
CN504	9728826400	CONN AS	FFC 16P P=1.0 X 120MM D	
CN705	9728827000	CONN AS	UL1007 #26 P=2.0 110MM 2P	
D501	DRLZ3R9B--	DIODE ZENER CHIP	RLZ3.9B	
HC501	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC502	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC503	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC505	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC506	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC507	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
HC508	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	
HC511	HCQK409DBA	C CHIP CERA	50V CH 4PF D 1608	
HC512	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
HC513	HCBK682KBA	C CHIP CERA	50V X7R 6800PF K 1608	
HC514	HCBK472KBA	C CHIP CERA	50V X7R 0.0047MF K 1608	
HC516	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC517	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC518	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC519	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC520	HCBK333KBA	C CHIP CERA	50V X7R 0.033MF K 1608	
HC521	HCBK474KBA	C CHIP CERA	50V X7R 0.47MF K 1608	
HC522	HCBK332KBA	C CHIP CERA	50V X7R 3300PF K 1608	
HC523	HCBK474KBA	C CHIP CERA	50V X7R 0.47MF K 1608	
HC524	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC525	HCBK683KBA	C CHIP CERA	50V X7R 0.068MF K 1608	
HC527	HCBK823KBA	C CHIP CERA	50V X7R 0.082MF K 1608	
HC528	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HC529	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC530	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608	
HC531	HCBK333KBA	C CHIP CERA	50V X7R 0.033MF K 1608	
HC532	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC533	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC534	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC537	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC538	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC539	HCBK122KBA	C CHIP CERA	50V X7R 1200PF K 1608	
HC540	HCBK122KBA	C CHIP CERA	50V X7R 1200PF K 1608	
HC541	HCBK122KBA	C CHIP CERA	50V X7R 1200PF K 1608	
HC542	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC543	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC544	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC545	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC546	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC547	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC548	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC549	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC550	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC551	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC553	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
HC555	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC556	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC563	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC564	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC566	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC580	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608	
HC581	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608	
HC582	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608	
HC583	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608	
HC585	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
HC586	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC590	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HJ503	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ505	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HJ508	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HR509	HRFT562JBA	R-CHIP	1/10 5.6K OHM J 1608	
HR501	HRFT829JBA	R-CHIP	1/10 8.2 OHM J 1608	
HR502	HRFT823JBA	R-CHIP	1/10 82K OHM J 1608	
HR503	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR504	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR505	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR506	HRFT393JBA	R-CHIP	1/10 39K OHM J 1608	
HR507	HRFT823JBA	R-CHIP	1/10 82K OHM J 1608	
HR508	HRFT470JBA	R-CHIP	1/10 47 OHM J 1608	
HR509	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR510	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR511	HRFT562JBA	R-CHIP	1/10 5.6K OHM J 1608	
HR513	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR514	HRFT683JBA	R-CHIP	1/10 68K OHM J 1608	
HR515	HRFT183JBA	R-CHIP	1/10 18K OHM J 1608	
HR516	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	
HR517	HRFT105JBA	R-CHIP	1/10 1M OHM J 1608	
HR518	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR519	HRFT562JBA	R-CHIP	1/10 5.6K OHM J 1608	
HR520	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR521	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR522	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR523	HRFT823JBA	R-CHIP	1/10 82K OHM J 1608	
HR524	HRFT563JBA	R-CHIP	1/10 56K OHM J 1608	
HR525	HRFT153JBA	R-CHIP	1/10 15K OHM J 1608	
HR526	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HR527	HRFT124JBA	R-CHIP	1/10 120K OHM J 1608	
HR528	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	
HR529	HRFT124JBA	R-CHIP	1/10 120K OHM J 1608	
HR530	HRFT124JBA	R-CHIP	1/10 120K OHM J 1608	
HR531	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR532	HRFT473JBA	R-CHIP	1/10 47K OHM J 1608	
HR533	HRFT331JBA	R-CHIP	1/10 330 OHM J 1608	
HR534	HRFT105JBA	R-CHIP	1/10 1M OHM J 1608	
HR535	HRFT331JBA	R-CHIP	1/10 330 OHM J 1608	
HR536	HRFT121JBA	R-CHIP	1/10 120 OHM J 1608	
HR537	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR538	HRFT123JBA	R-CHIP	1/10 12K OHM J 1608	
HR539	HRFT123JBA	R-CHIP	1/10 12K OHM J 1608	
HR540	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR541	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR544	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR545	HRFT104JBA	R-CHIP	1/10 100K OHM J 1608	
HR546	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR547	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR548	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HR549	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR550	HRFT470JBA	R-CHIP	1/10 47 OHM J 1608	
HR552	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR553	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR556	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR558	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR562	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	
HR563	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR564	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR565	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR566	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR567	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR568	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR569	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR571	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR580	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR581	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR582	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR583	HRFT472JBA	R-CHIP	1/10 4.7K OHM J 1608	
HR584	HRFT121JBA	R-CHIP	1/10 120 OHM J 1608	
HR591	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR592	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR593	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR594	HRFT000-BA	R-CHIP	1/10 0 OHM J 1608	
HR595	HRFT101JBA	R-CHIP	1/10 100 OHM J 1608	
HR596	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR597	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
HR598	HRFT102JBA	R-CHIP	1/10 1K OHM J 1608	
IC501	1S1L9226--	IC(RF)	S1L9226X	
IC502	1S5L9279--	IC(DSP)	S5L9279	
IC503	11P9002---	IC,MOTOR CON	IP9002	
IC504	1HY57V1616	IC(SDRAM)	HY57V1616	
IC505	1LD1117S18	IC(REG)	GM117-1.8ST	
L501	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	
L502	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	
L503	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	
L504	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	
L505	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	
L506	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	
L507	5LX159P829	COIL BEAD	1.5UH MIN	
L508	5LX159P829	COIL BEAD	1.5UH MIN	
L509	5LX159P829	COIL BEAD	1.5UH MIN	
L510	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5 MM)	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
L520	5LX159P829	COIL BEAD	1.5UH MIN	
L530	5CPZ101K02	COIL PEAKING	100 UH K (AXIAL 3.5 MM)	
L540	5LX159P829	COIL BEAD	1.5UH MIN	
Q501	KZTA1504--	TR CHIP	KTA1504	
Q502	KZTA1266Y-	TR	KTA1266	
Q503	TKTD2058Y-	TR	2SD2058	
R501	RD-2Y229J-	R CARBON FILM	1/2W 2.2 OHM J	
R502	RD-2Y229J-	R CARBON FILM	1/2W 2.2 OHM J	
X501	5PQZTT1693	RESONATOR CERA	QTTT16.93MMX(3PIN)	

PCB POWER ASS'Y [9CDC073000] : RL-412

Loc.	Part Code	Part Name	Description	Remark
B901	9CD6596100	PCB POWER	120X110X1.6T	RL-412/412G Only
	9CD6595700	PCB POWER	120X110X1.6T	RL-411/411G Only
CE903	CEXF1E102V	C ELECTRO	25V 1000/25MF (10X22)	with PSM Only
CE906	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE907	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C901	CCZF1H104Z	C CERA	HIKF 50V 0.1MF Z (AXIAL)	with PSM Only
C902	CCZF1H104Z	C CERA	HIKF 50V 0.1MF Z (AXIAL)	with PSM Only
C903	CCZF1H104Z	C CERA	HIKF 50V 0.1MF Z (AXIAL)	with PSM Only
C904	CCZF1H104Z	C CERA	HIKF 50V 0.1MF Z (AXIAL)	with PSM Only
CM910	CMXM2A223J	C MAYLER	100V 0.022UF J	
CM911	CMXM2A223J	C MAYLER	100V 0.022UF J	
CW901	9728827100	CONN WAFER	TJC3-8A (P=2.5 8P)	with PSM Only
	9728827300	CONN WAFER	TJC3-6A (P=2.5 6P)	without PSM Only
CD901	9736912200	AC CORD	CE	
	9736912300	AC CORD	AMERICA	
	9736912400	AC CORD	BS	
	9736912500	AC CORD	SAA	
	9736912600	AC CORD	Argentina	
	9736912700	AC CORD	DUAL Voltage	
D901	DKN4001A--	DIODE	1N4001	with PSM Only
D910	DKN4001A--	DIODE	1N4001	with PSM Only
D911	DKN4001A--	DIODE	1N4001	with PSM Only
D912	DKN4001A--	DIODE	1N4001	with PSM Only
D913	DKN4001A--	DIODE	1N4001	with PSM Only
D914	DKN4001A--	DIODE	1N4001	with PSM Only
D920	DKN4001A--	DIODE	1N4001	
D921	DKN4001A--	DIODE	1N4001	
D922	DKN4001A--	DIODE	1N4001	
D923	DKN4001A--	DIODE	1N4001	
D930	---	DIODE	TVS1.5KE	
F901	5FSGB3112L	FUSE	250V T315mA	EUROPE/DUAL, RL-411/411G
	5FSGB4012L	FUSE	250V T400mA	EUROPE/DUAL, RL-412/412G
F902	5FSGB5012L	FUSE	250V T500mA	AMERICA/DUAL, RL-411/411G
	5FSGB8012L	FUSE	250V T800mA	AMERICA/DUAL, RL-412/412G
FC901	9734600700	CLIP-FUSE	FC-5N	EUROPE/DUAL
FC902	9734600700	CLIP-FUSE	FC-5N	EUROPE/DUAL
FC903	9734600700	CLIP-FUSE	FC-5N	AMERICA/DUAL
FC904	9734600700	CLIP-FUSE	FC-5N	AMERICA/DUAL
C905	CCXF1H104Z	C CERA	50V F 0.1MF Z	
HC912	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC913	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC950	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	with PSM Only
HC951	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	with PSM Only
HR903	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	with PSM Only
HR904	HRFT103JBA	R-CHIP	1/10 10K OHM J 1608	with PSM Only
IC902	1K1A78L05B-	IC	KIA78L05BP	with PSM Only
JW901	W581GY7595	WIRE JUMPER	AWG 22 1/0.65 SN7.5 AUTO	AMERICA(120V) Only
JW902	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	without PSM Only
JW903	W581GY7595	WIRE JUMPER	AWG 22 1/0.65 SN7.5 AUTO	EUROPE(230V) Only
JW904	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	with PSM Only

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
JW905	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	without PSM Only
JW906	W581GY1505	WIRE JUMPER	AWG 22 1/0.65 SN15 AUTO	
JW907	W581GY7595	WIRE JUMPER	AWG 22 1/0.65 SN7.5 AUTO	
JW908	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 SN10 AUTO	
PT901	5TP8028829	POWER TRANS	PT-SUB	PSM Only
PT903	5TP8066932	POWER TRANS	PT-MAIN RL-412/412G AC220~240V CE	
	5TP1066933	POWER TRANS	PT-MAIN RL-412/412G AC120~127V 60Hz UL	
	5TP0066934	POWER TRANS	PT-MAIN RL-412/412G Dual voltage	
	5TP0066937	POWER TRANS	PT-MAIN RL-411/411G	
Q901	TZTC3205Y-	TR	KTC3205	with PSM Only
R901	RN-2Y475J-	R CARBON FILM	4.7M(1/2W)	AMERICA(120V) Only
R902	RD-4Z101J-	R CARBON FILM	100(1/4W)	with PSM Only
R907	RN-1Y4780J	RESISTOR MATAL	1W 0.47 OHM J	
R908	RN-1Y4780J	RESISTOR MATAL	1W 0.47 OHM J	
R905	W581GY1505	WIRE JUMPER	AWG 22 1/0.65 SN15 AUTO	
R906	W581GY1505	WIRE JUMPER	AWG 22 1/0.65 SN15 AUTO	
RY901	5SC2001A01	SW RELAY	SDT-S-105LMR	with PSM Only
SW901	5S30102361	SW VOLTAGE	SW-3P(SDKHA2)	DUAL(230/127V) Only

PCB AUX ASS'Y [9CDC072700] : Front AUX Model only

Loc.	Part Code	Part Name	Description	Remark
B401	9CD6595501	PCB AUX IN	49X20X1.6T	
CN401	9728826200	CONN AS	3P 1533 130 MM P=2.0 BOARD IN	
HC413	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC414	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC415	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC416	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC417	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC418	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HR421	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	
HR422	HRFT223JBA	R-CHIP	1/10 22K OHM J 1608	
HR423	HRFT471JBA	R-CHIP	1/10 470 OHM J 1608	
HR424	HRFT471JBA	R-CHIP	1/10 470 OHM J 1608	
J402	9766318110	JACK HP	HTJ035-13AB GOLD	
L420	W581GY1005	WIRE JUMPER	AWG 22 1/0.65 AUTO	

SPEAKER ASS'Y [9CDM055700] : MS-411

Loc.	Part Code	Part Name	Description	Remark
00010	97C8527400	SPEAKER SYSTEM	MS-411RF(5W)	RL-411(R)/411G(R) Only
00020	97C8528100	SPEAKER SYSTEM	MS-411SF(12.5W)	RL-412(R)/412G(R) Only

Other

Loc.	Part Code	Part Name	Description	Remark
34000	9CDM057800	REMCOM ASS'Y	AM-61M (BASIC)	BASIC Model Only
	9CDM057900	REMCOM ASS'Y	AM-61MR (W/RDS)	with RDS Model Only
	9CDM058000	REMCOM ASS'Y	AM-62M (W/MP3)	with MP3 Model Only
	9CDM058100	REMCOM ASS'Y	AM-62MR (W/RDS, W/MP3)	with RDS, MP3 Model Only
00080	9736805700	ANTENNA FM	2M PIG TAIL	
00090	9CD6810200	ANTENNA AM LOOP	LOOP-7	