

DAEWOO

Service Manual

MINI COMPONENT SYSTEM

Model : AMI-921DP / 921DPR



DAEWOO ELECTRONICS CO., LTD.

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

CAUTION

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

LASER SAFETY

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

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

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

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

Important Safety Instructions

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

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

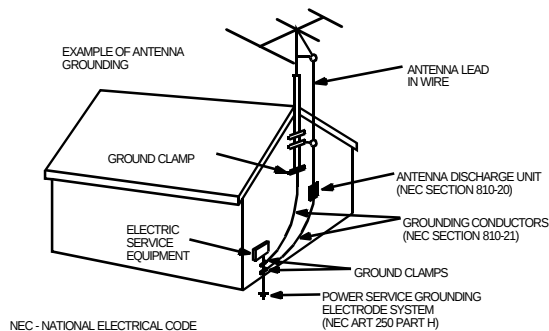
PORTABLE CART



Figure 2

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

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 R201	FM98MHz75KHz Dev. 26dBμ	L203	Adjust for DC 0V±0.1V
2	Auto Stop Sensitivity	Connect stereo signal generator to FM ANT terminal (J001)	Connect DC voltmeter to edge of RV201	FM 98MHz 75KHz Dev. 26dBμ	RV201	Adjust for DC 1.17V±0.02V Confirm stereo indicator is lighted and L/R channel is separated.

Unless other specified set being switched FM mode, adjust generator's frequency to center of the FM band where no FM broadcast exists. Otherwise adjustment of FM usable sensitivity, frequency range for FM band are not needed, but confirm these data are satisfied with specification.

CAUTION : When realigning the FM receiving frequency the highest end of the frequency range should not be more than 108 MHz and the lowest end of the frequency range should not be less than 87.5 MHz, in order to comply with FTZ regulation in West Germany.

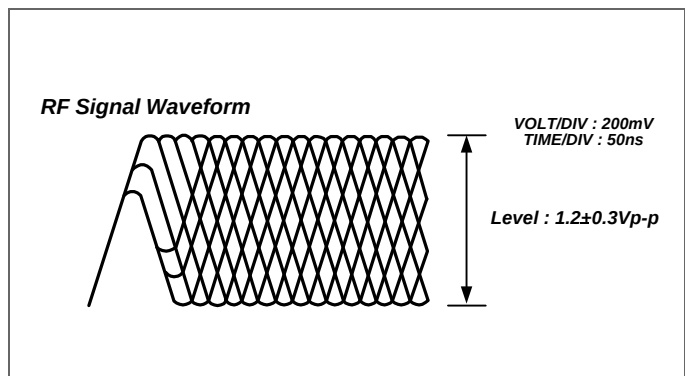
2. CD SECTION

Note: 1. Use the oscilloscope with more than 10MW impedance.

2. Clean an object lens by an applicator with natural detergent when the signal level is lower than specified value with the following checks.

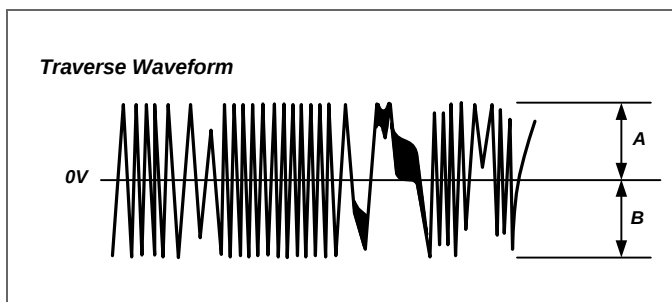
RF LEVEL CHECK

1. Connect oscilloscope to test point TP502 and IC502 Pin66 on CD PCB.
2. Press power switch on.
3. Put test disc(TCD-781) in and press play button then pause button.
4. Confirm that oscilloscope waveform is clear. Clear RF signal waveform means that the shape"#"can be clearly distinguished at the center of waveform.
5. Adjust RV501 to get a clear waveform and maximum amplitude.

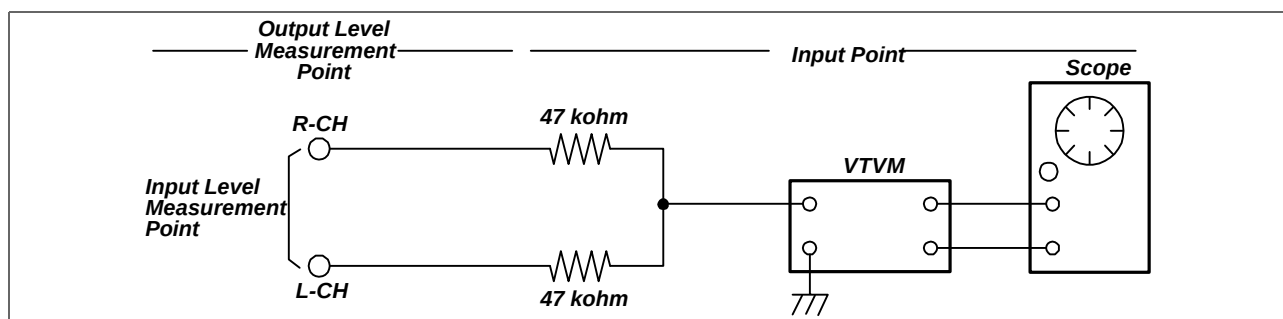


E-F BALANCE ADJUSTMENT

1. Connect oscilloscope to test point TP502 and TP503 on CD PCB.
2. Press power switch on.
3. Put test disc(TCD-781) in and press play button then pause button.
4. Pressing Fast Forward button, adjust RV502 to get that the oscilloscope waveform is symmetrical on the bottom in relation to 0V, and check this level.



* Design and specifications may be subject to change without notice.

3. 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. Adjust tape A(1), tape B(2) respectively, Please secure the azimuth position by using locking paint.

RECORDING BIAS OSCILLATOR FREQUENCY ADJUSTMENT

1. Connect the frequency counter to TP603, GND.
2. Press the REC button.
3. Adjust L603 to obtain 80 KHz $\pm$ 100Hz

ADJUSTMENTS

TAPE ALIGNMENT CHART								
Step	Item		Reference Value	Test Tape	Adjust Point	Test Point	Note	FIG.
1	Tape Speed Adjustment	Normal	3,015~3,025Hz	MTT-111N	RV601	Line Out L/R Channel	Confirm Wow & Flutter is within 0.35%	FIG.1
			3,000~3,010Hz	MTT-111N	RV601	Line Out L/R Channel	Confirm Tape Speed of end position after adjustment at tape start position	FIG.1
		High	5,820~6,180Hz	MTT-111N	-----	Shorted TP601, TP602	Confirm High speed after normal speed adjustment	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	L603	TP603,GND	Adjust with frequency counter connected.	FIG.1

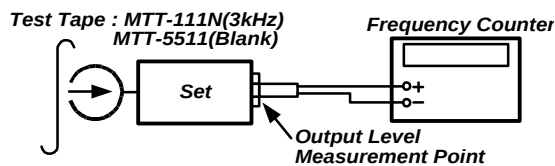


FIG. 1 : Tape Speed & Record Bias Oscillator Frequency Adjust Circuit

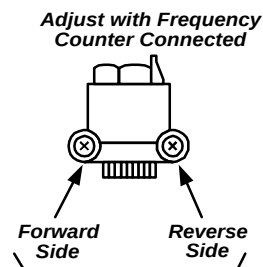


FIG. 2 : Tape Azimuth Adjust Location (Record/Playback Head)

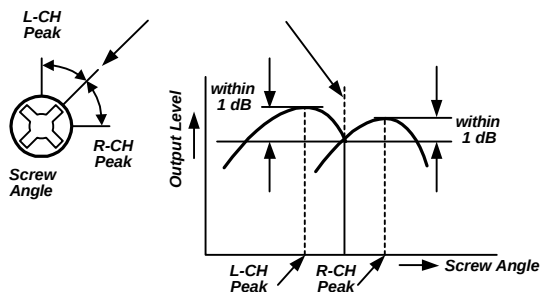


FIG. 3 : Tape Azimuth Adjust Head Screw & Waveform

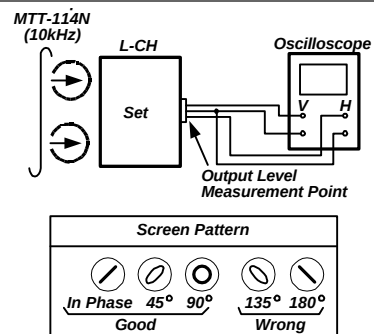
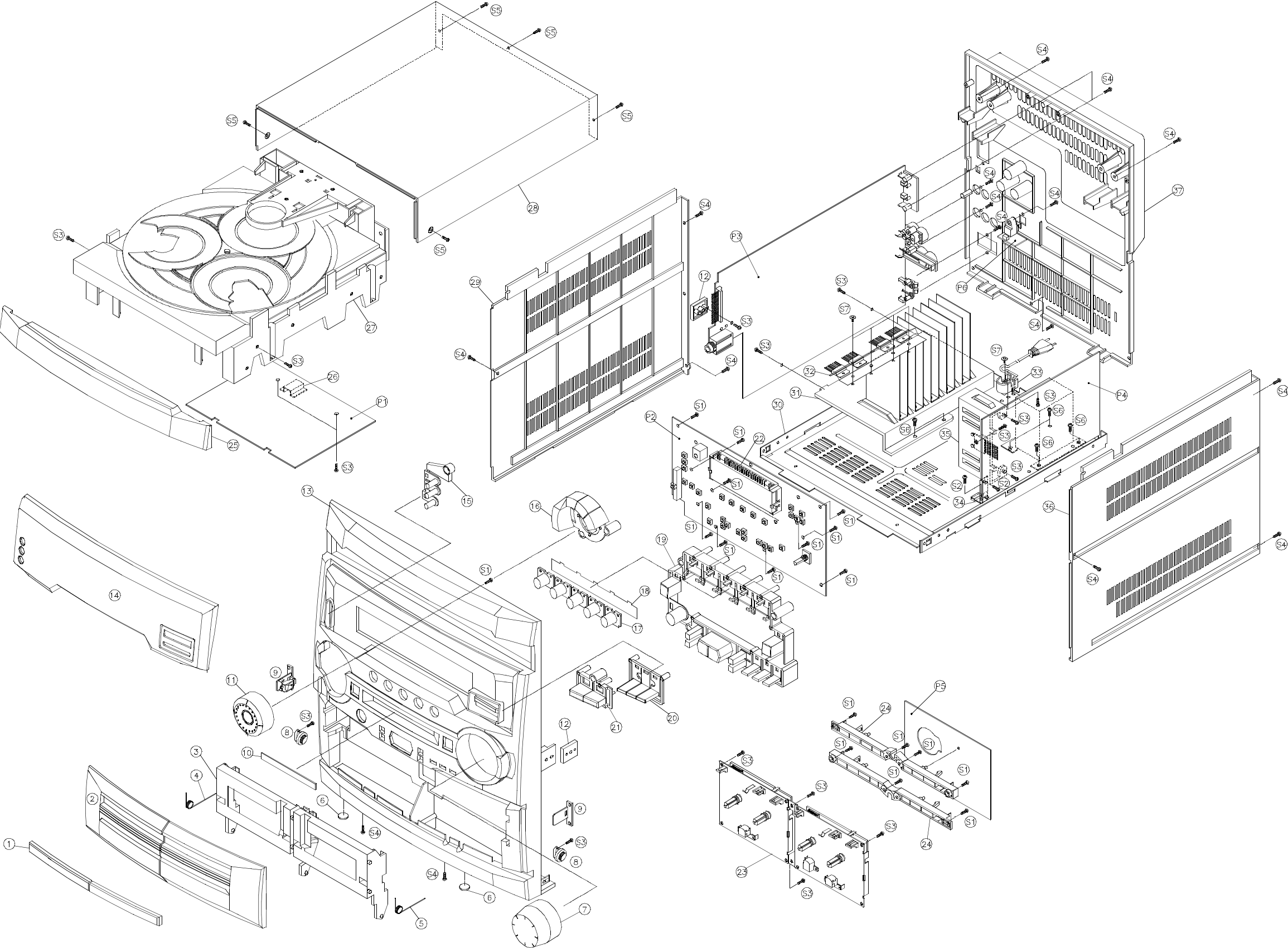


FIG. 4 : Tape Azimuth Adjust Circuit & Waveform

EXPLODED VIEW AND PARTS LIST

AMI- 921DP / 921DPR



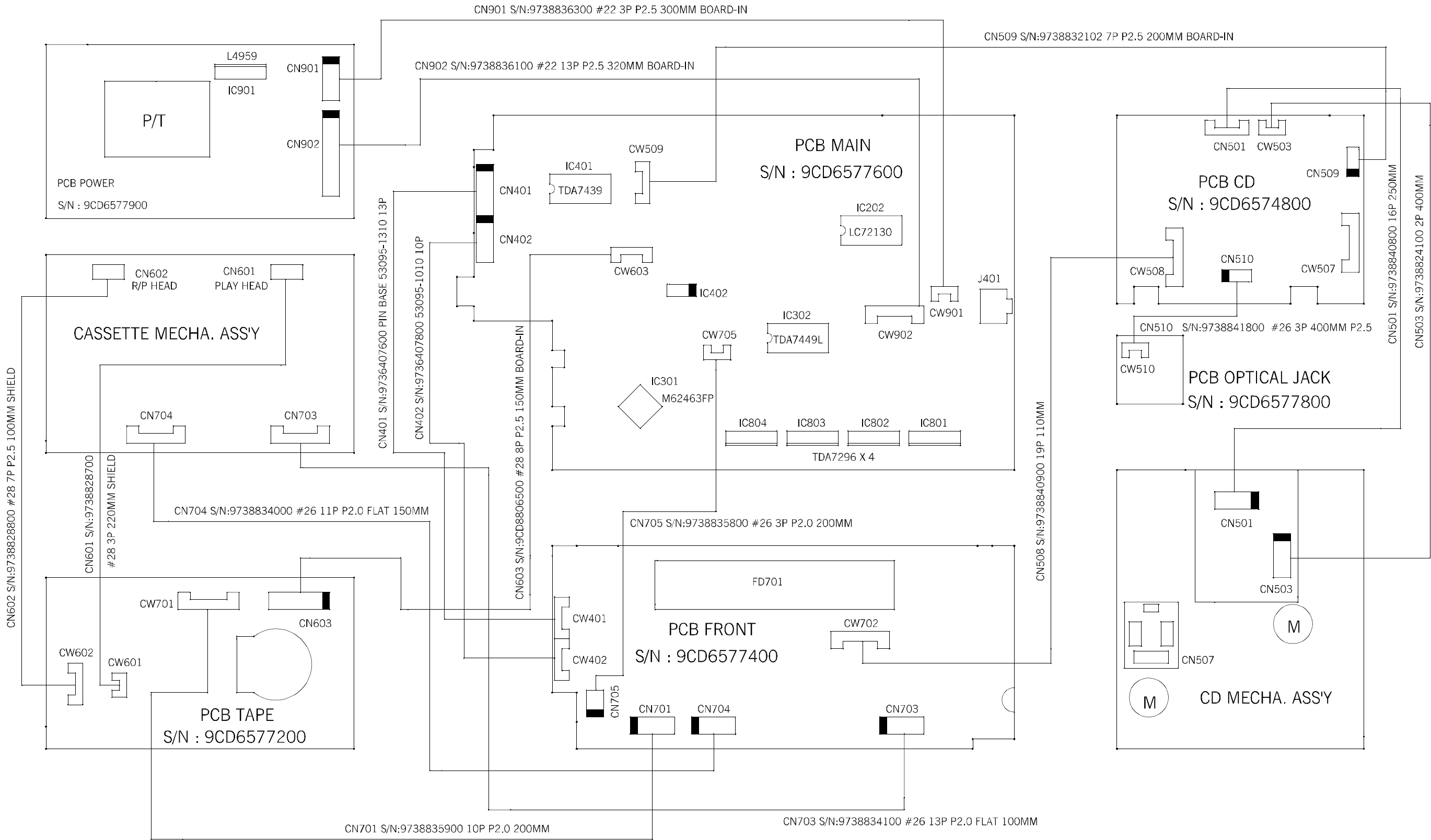
EXPLODED VIEW AND PARTS LIST

No.	Parts Name	PARTS Code	Description	Q'ty
1	WINDOW DOOR A/B	9CD16148A0	ACRYL	1
		9CD16148B0	ACRYL	1
2	DOOR COVER A/B	9CD18100A0	MIPS	1
		9CD18100B0	MIPS	1
3	DOOR FRAME A/B	9CD1809400	ABS	1
		9CD1809500	ABS	1
4	SPRING DOOR EJECT L	9CD30080L0	STS	1
5	SPRING DOOR EJECT R	9CD30080R0	STS	1
6	CUSHION FOOT	9CD4207700	URETHAN FOAM RUBBER	2
7	KNOB VOLUME	9CD1337000	ABS	1
8	DAMPER ASSY	9CDM029800		2
9	LOCKER ASSY	9CDM029900		2
10	PLATE DECO	9CD0910200	PVC SHEET (T=1.0)	1
11	KNOB JOG DIAL	9CD1336800	ABS	1
12	BRKT SIDE	9CD2412900	ABS	2
13	PANEL FRONT	9CD0306700	MIPS	1
14	WINDOW FLT	9CD1614700	ACRYL	1
15	KNOB EQ	9CD1336600	ABS	1
16	KNOB POWER	9CD1336900	ABS	1
17	KNOB FUNCTION	9CD1336700	ACRYL	1
18	PLATE FILTER	9CD0910300	LEXAN (T=0.125)	1
19	KNOB CONTROL	9CD1336500	ABS	1
20	KNOB DISC	9CD1337500	ABS	1
21	KNOB CD	9CD1336400	ABS	1
22	GUIDE FLT	9CD2506300	ABS	1
23	CASS DECK	9CD6007000	S/S ADR 2138MW	1
24	HOLDER PCB DECK	9CD2303600	MIPS	2
25	DOOR CD	9CD1810100	MIPS	1
26	HEAT SINK	9CD4402800	BSP T=0.5	1
27	CD MECHANISM	9CD6007100	CMS FR3 B TYPE	1
28	COVER TOP	9CD0409600	MIPS	1
29	COVER SIDE L	9CD0409900	MIPS	1
30	CHASSIS BOTTOM	9CD0607100	SECC	1
31	HEAT SINK DP2	9CD4405600	AL 4.0T	1
32	BRACKET HEAT SINK	9CD2414400	SUS T=0.3	1
33	HOLDER AC CODE	9CD2303300	ABS	1
34	BRACKET PCB A	9CD2413100	SECC T=1.0	1

No.	Parts Name	PARTS Code	Description	Q'ty
35	HEAT SINK P	9CD4404200	AL T=2.0	1
36	COVER SIDE R	9CD0410000	MIPS	1
37	COVER BACK	9CD0409807	MIPS	1
S1	SCREW TAPTITE	7173261011	TT2 BIN 2.6X10 MFZN	19
S2	SCREW TAPTITE	7173300611	TT2 BIN 3X6	2
S3	SCREW TAPTITE	7173301011	TT2 BIN 3X10 MFZN	18
S4	SCREW TAPTITE	7173301012	TT2 BIN 3X10 BK	18
S5	SCREW TAPTITE	7173301212	TT2 BIN 3X12 BK	5
S6	SCREW TAPTITE	7173400611	TT2 BIN 4X6	6
S7	WASHER SCREW	9CD3102400	TT2 BIN 3X10+D14	5
P1	PCB CD	9CD6574800	197 X 123.5 X 1.6T	1
P2	PCB FRONT	9CD6577400	247 X 139 X 1.6T	1
P3	PCB MAIN	9CD6577600	319 X 197 X 1.6T	1
P4	PCB POWER	9CD6577900	197 X 115 X 1.6T	1
P5	PCB TAPE	9CD6577200	107 X 163 X 1.6T	1
P6	PCB OPTICAL JACK	9CD6577800	29 X 21.5 X 1.6T	1

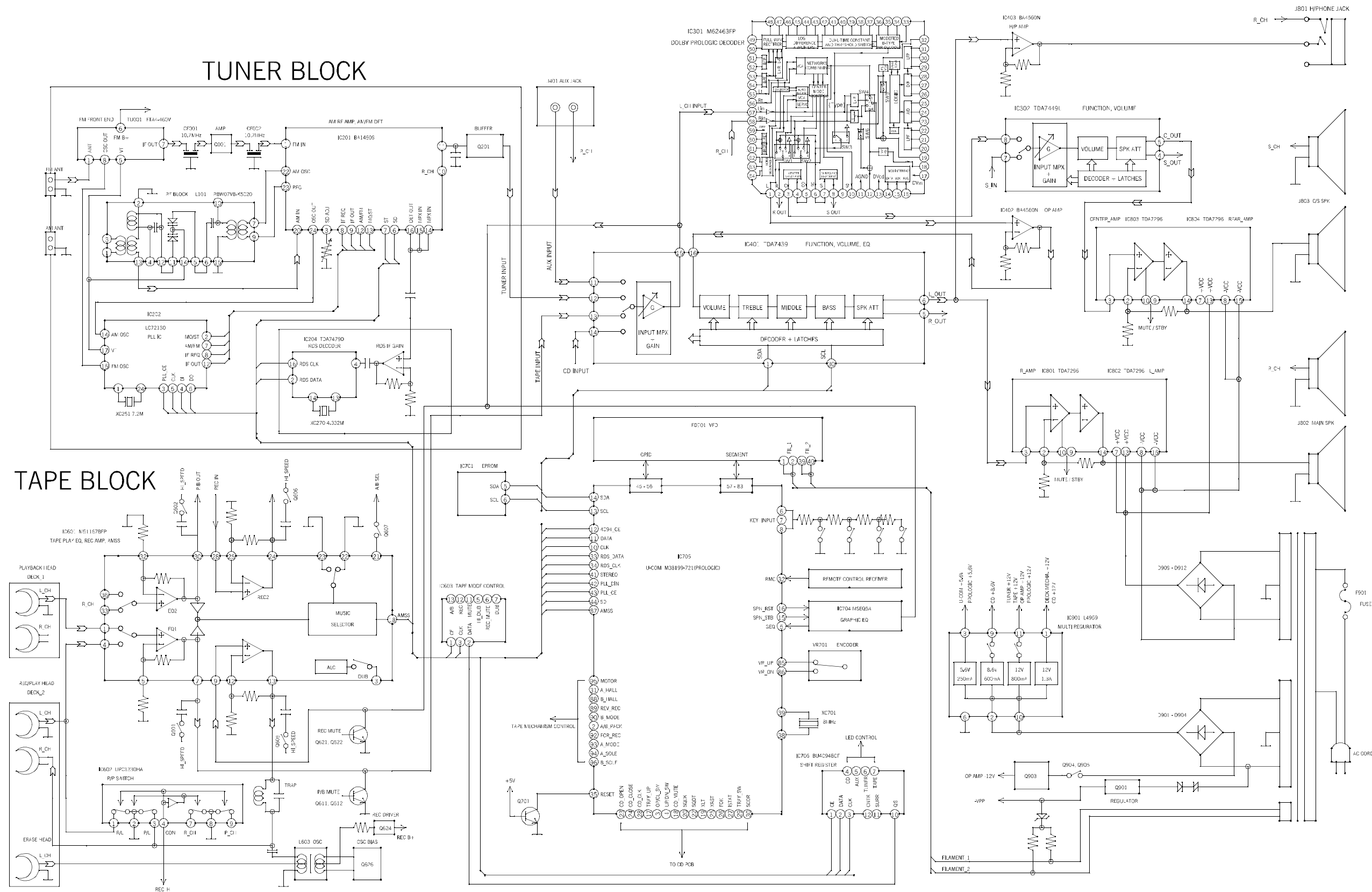
WIRING DIAGRAM

AMI- 921DP / 921DPR



BLOCK DIAGRAM

AMI-921DP / 921DPR

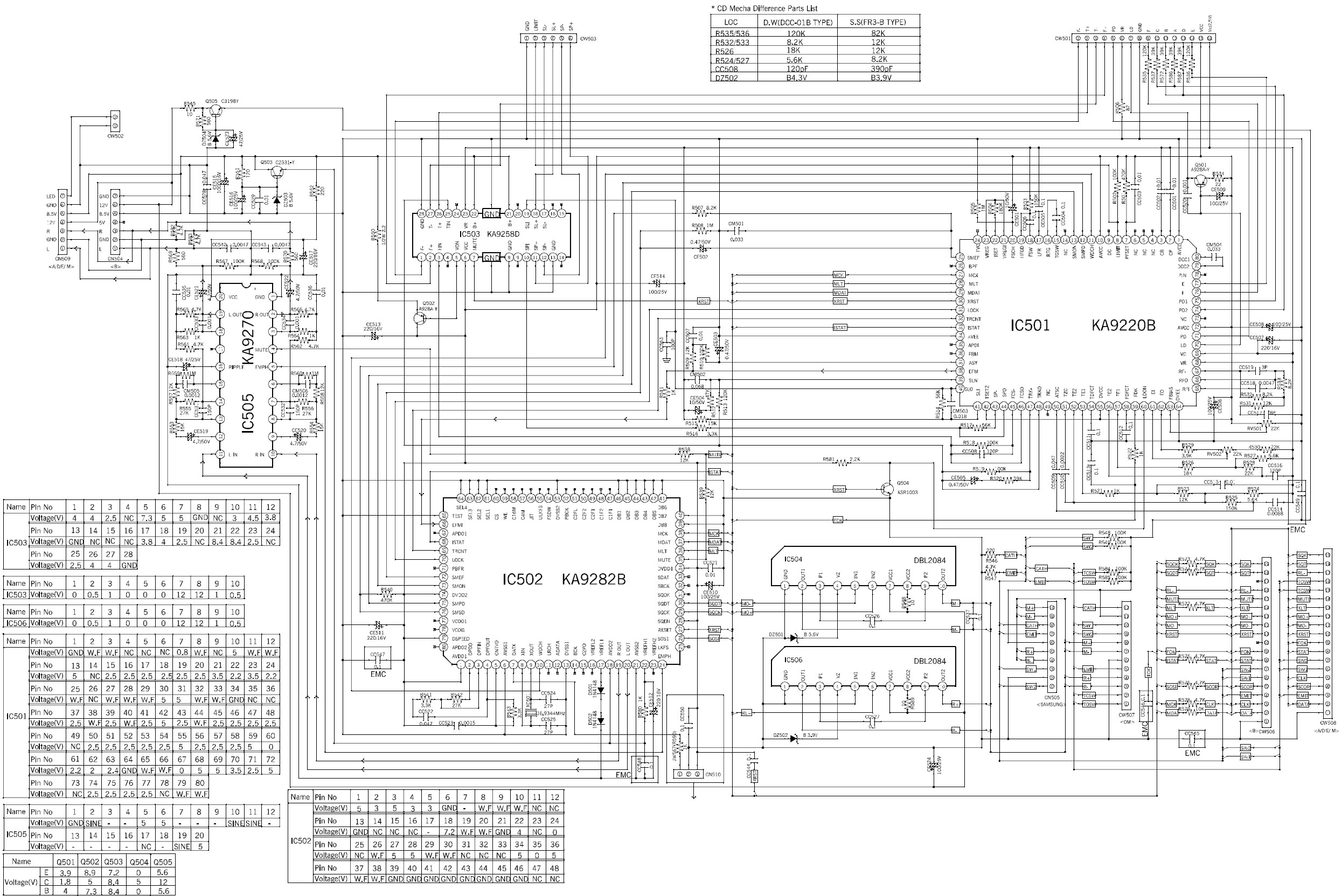


SCHEMATIC DIAGRAM

1. POWER / AMP
AMI-921DP / 921DPR

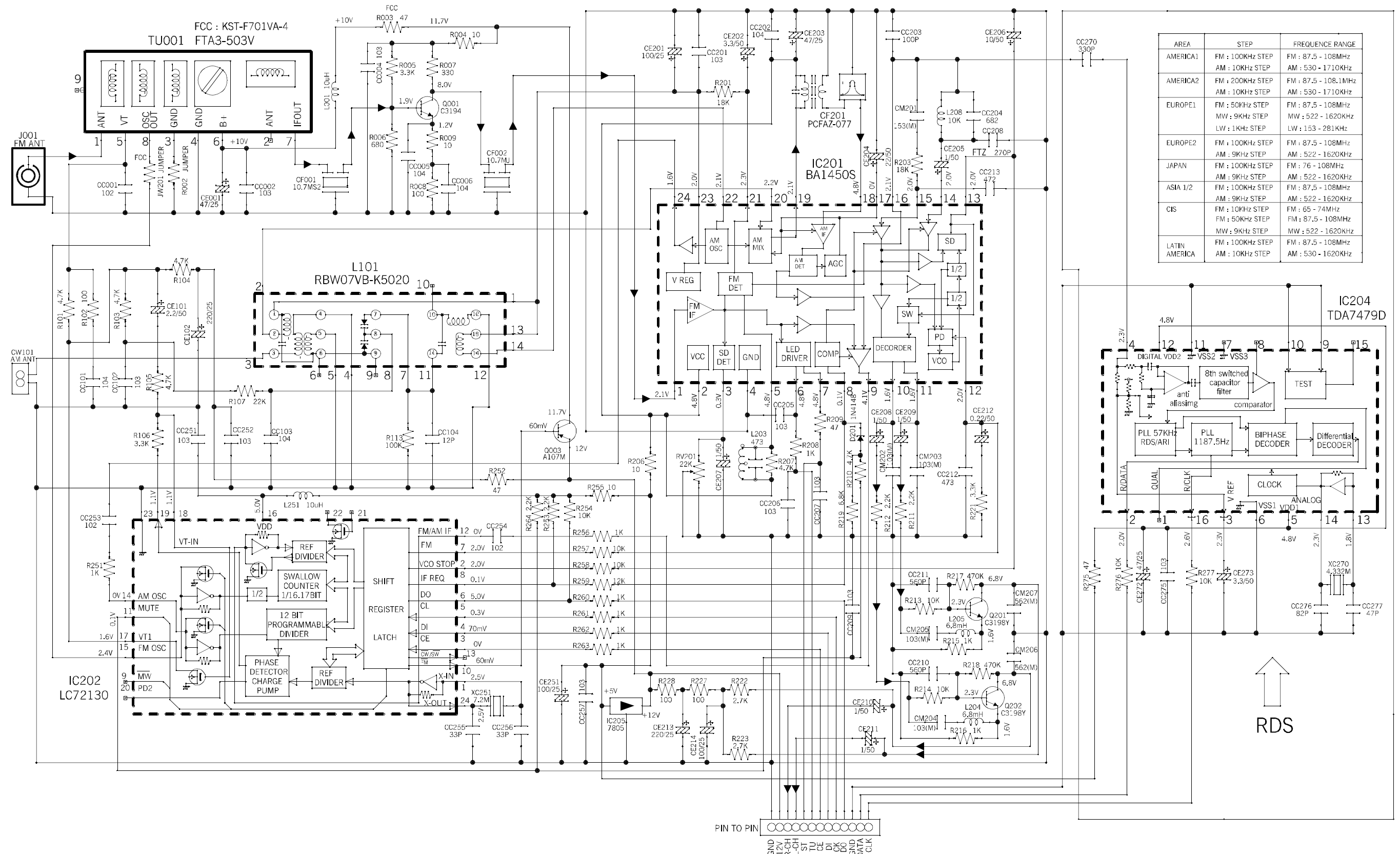
SCHEMATIC DIAGRAM

2. CD
AMI-921DP / 921DPR



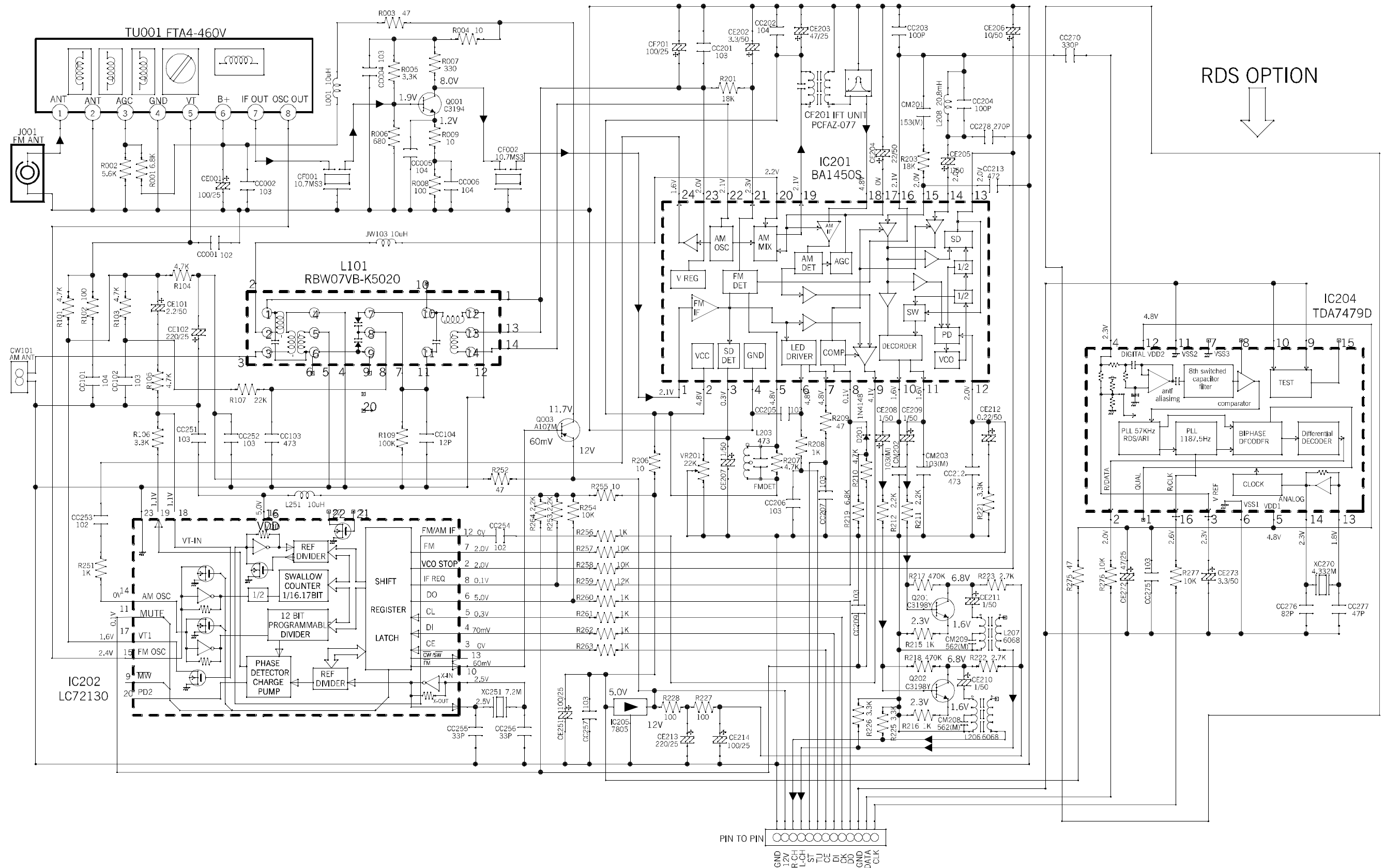
3. TUNER

AMI-921DP / 921DPR 2-Band

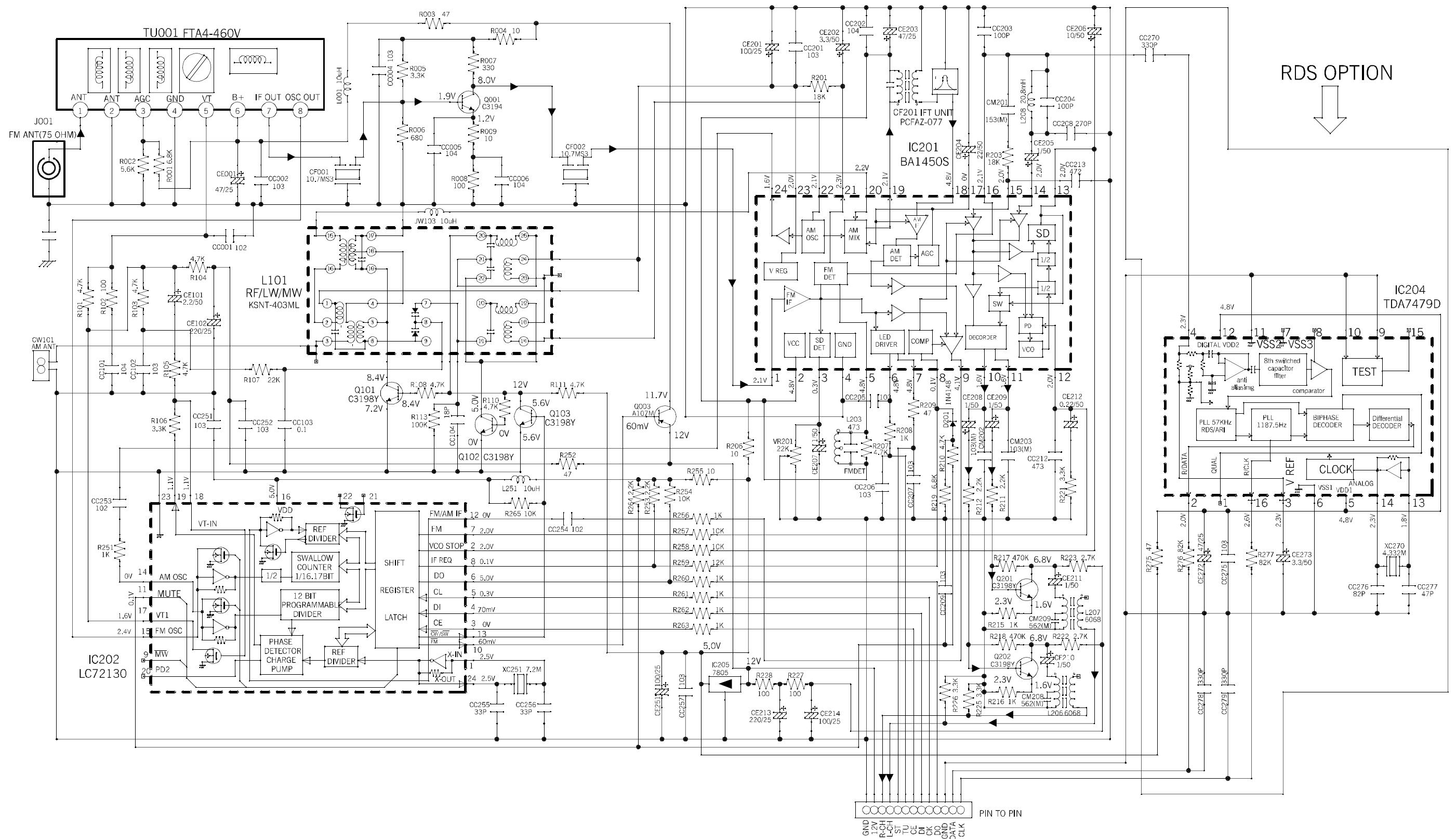


SCHEMATIC DIAGRAM

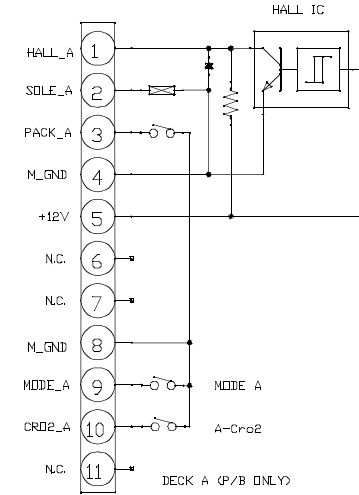
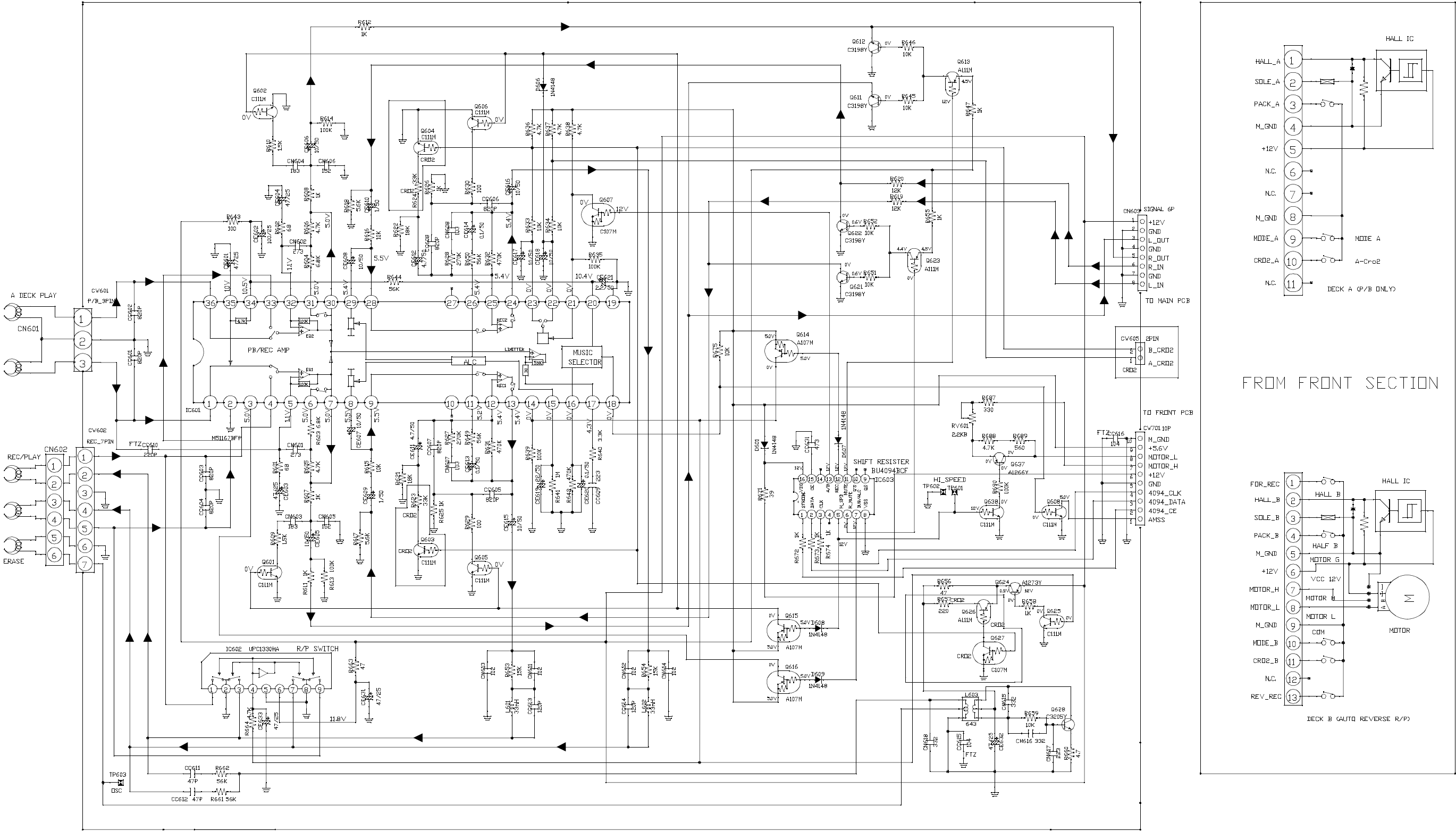
AMI-921DP / 921DPR FTZ 2-Band



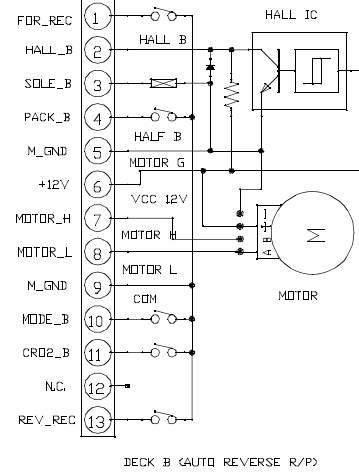
AMI-921DP / 921DPR FTZ 3-Band



4. TAPE
AMI-921DP / 921DPR

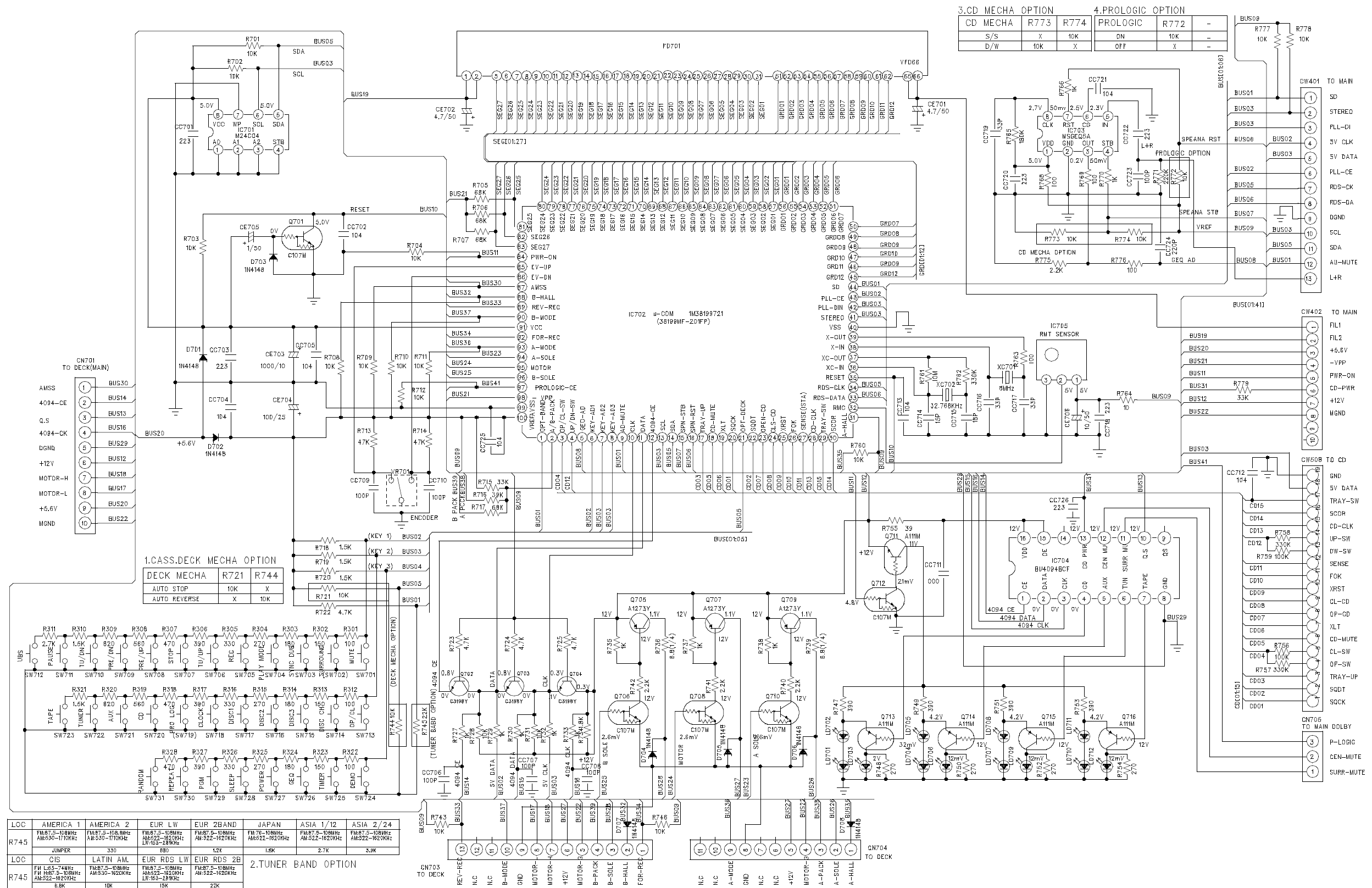


FROM FRONT SECTION



5. CONTROL

AMI-921DP / 921DPR



PCB PATTERN LAYOUT

AMP / TUNER
* AMI-921DP

CD

* AMI-921DP / 921DPR

TAPE

* AMI-921DP / 921DPR

POWER

* AMI-921DP / 921DPR

POWER
* AMI-921DP / 921DPR

CONTROL
* AMI-921DP / 921DPR

ELECTRICAL PARTS LIST

1. 921DPR _ 2 Band

Parts Name	Parts Code	Q'ty	Description	Location
AM RF UNIT	5LR0000826	1	RBW07VB-K5020	L101
C CERA	CCXB1H271K	1	50V B 270PF K (TAPPING)	CC208
C CERA	CCXF1H103Z	25	50V F 0.01MF Z (TAPPING)	CC002 CC004 CC102 CC201 CC205 CC206 CC207 CC209 CC251 CC252 CC257 CC275 CC501 CC502 CC503 CC507 CC515 CC521 CC529 CC535 CC536 CC907 CC908 CC909 CC910
C CERA	CCXF1H104Z	37	50V F 0.1MF Z	CC005 CC006 CC101 CC103 CC202 CC301 CC403 CC406 CC504 CC505 CC506 CC511 CC512 CC513 CC526 CC527 CC537 CC544 CC545 CC546 CC547 CC548 CC549 CC550 CC561 CC702 CC704 CC705 CC712 CC713 CC721 CC725 CC801 CC886 CC901 CC902 CC912
C CERA	CCXF1H223Z	8	50V F 0.022MF Z (TAPPING)	CC609 CC701 CC703 CC718 CC720 CC722 CC726 CC906
C CERA	CCXF1H473Z	8	50V F 0.047MF Z (TAPPING)	CC212 CC509 CC522 CC528 CC631 CC903 CC904 CC905
C CERA	CCZB1E101K	1	25V B 100PF K (AXIAL)	CC204
C CERA	CCZB1E102K	10	25V B 1000PF K (AXIAL)	CC001 CC253 CC254 CC520 CC533 CC534 CC803 CC807 CC811 CC815
C CERA	CCZB1E121K	2	25V B 120PF K (AXIAL)	CC613 CC614
C CERA	CCZB1E151K	2	25V B 150PF K (AXIAL)	CC531 CC532
C CERA	CCZB1E152K	1	25V B 1500PF K (AXIAL)	CC523
C CERA	CCZB1E221K	5	25V B 220PF K (AXIAL)	CC724 CC802 CC806 CC810 CC814
C CERA	CCZB1E222K	2	25V B 2200PF K (AXIAL)	CC510 CC516
C CERA	CCZB1E391K	1	25V B 390PF K (AXIAL)	CC508
C CERA	CCZB1E472K	4	25V B 4700PF K (AXIAL)	CC213 CC518 CC542 CC543
C CERA	CCZB1E681K	2	25V B 680PF K (AXIAL)	CC302 CC303
C CERA	CCZB1E682K	1	25V B 6800PF K (AXIAL)	CC514
C CERA	CCZB1E821K	8	25V B 820PF K AXIAL	CC601 CC602 CC603 CC604 CC605 CC606 CC607 CC608
C CERA	CCZB1H221K	1	50V B 220PF K	CC610
C CERA	CCZF1H104Z	1	50V HIKF 0.1MF Z	CC616
C CERA	CXCH1H101J	1	50V CH 100PF J (TAPPING)	CC563
C CERA	CZCH1E101J	17	CH 25V 100PF J AXL 52MM	CC203 CC305 CC306 CC308 CC309 CC401 CC402 CC404 CC405 CC409 CC410 CC706 CC707 CC708 CC709 CC710 CC723
C CERA	CZCH1E120J	1	CH 25V 12PF J	CC104
C CERA	CZCH1E150J	1	CH 25V 15PF J (AXIAL)	CC714
C CERA	CZCH1E180J	1	CH 25V 18PF J (AXIAL)	CC715
C CERA	CZCH1E309K	1	CH 25V 3PF K AXIAL	CC519
C CERA	CZCH1E330J	5	CH 25V 33PF J AXIAL 52MM	CC255 CC256 CC716 CC717 CC719
C CERA	CZCH1E331J	1	CH 25V 330PF J AXIAL 52MM	CC270
C CERA	CZCH1E470J	7	CH 25V 47PF J AX	CC277 CC307 CC310 CC407 CC408 CC611 CC612
C CERA	CZCH1E809K	1	CH 25V 8PF K AXL 52MM	CC517
C CERA	CZCH1E820J	1	CH 25V 82PF J AXL 52MM	CC276
C CERA	CZCH1H270J	2	CH 50V 27PF J AXL 52MM	CC524 CC525

Parts Name	Parts Code	Q'ty	Description	Location
C ELECTRO	CEXE1C102A	1	16V RS 1000MF 13X20	CE515
C ELECTRO	CEXF1A102V	1	10V RSS 1000MF (10X16) TP	CE703
C ELECTRO	CEXF1C221V	5	16V RSS 220MF (8X11.5) TP	CE507 CE511 CE512 CE513 CE517
C ELECTRO	CEXF1E101V	14	25V RSS 100MF (6.3X11) TP	CE201 CE214 CE251 CE307 CE315 CE506 CE508 CE509 CE510 CE514 CE516 CE524 CE602 CE704
C ELECTRO	CEXF1E102V	1	25V RSS 1000MF (13X20) TP	CE907
C ELECTRO	CEXF1E221V	5	25V RSS 220MF (8X11.5) TP	CE102 CE213 CE316 CE323 CE401
C ELECTRO	CEXF1E331V	1	25V RSS 330MF (10X12.5)TP	CE901
C ELECTRO	CEXF1E470V	22	25V RSS 47MF (5X11) TP	CE001 CE203 CE272 CE318 CE325 CE326 CE417 CE418 CE518 CE523 CE601 CE603 CE604 CE631 CE632 CE633 CE824 CE909 CE910 CE911 CE912 CE913
C ELECTRO	CEXF1F332V	2	35V RSS 3300MF 16X31.5	CE914 CE915
C ELECTRO	CEXF1H100V	28	50V RSS 10MF (5X11) TP	CE206 CE301 CE302 CE303 CE304 CE305 CE306 CE324 CE402 CE501 CE504 CE605 CE606 CE607 CE608 CE615 CE616 CE617 CE618 CE706 CE806 CE807 CE811 CE812 CE816 CE817 CE821 CE822
C ELECTRO	CEXF1H101V	1	50V RSS 100MF (8X11.5) TP	CE902
C ELECTRO	CEXF1H108V	3	50V RSS 0.1MF (5X11) TP	CE613 CE614 CE620
C ELECTRO	CEXF1H109V	19	50V RSS 1MF (5X11) TP	CE205 CE207 CE208 CE209 CE210 CE211 CE310 CE313 CE314 CE609 CE610 CE705 CE801 CE802 CE803 CE805 CE810 CE815 CE820
C ELECTRO	CEXF1H220V	10	50V RSS 22MF (5X11) TP	CE204 CE619 CE804 CE808 CE809 CE813 CE814 CE818 CE819 CE823
C ELECTRO	CEXF1H228V	1	50V RSS 0.22MF (5X11) TP	CE212
C ELECTRO	CEXF1H339V	2	50V RSS 3.3MF (5X11) TP	CE101 CE319 CE320 CE321 CE322 CE403 CE404 CE405 CE406 CE407 CE408 CE409 CE410 CE411 CE412 CE413 CE414 CE415 CE416 CE419 CE420 CE621
C ELECTRO	CEXF1H470V	2	50V RSS 47MF (6.3X11) TP	CE202 CE273
C ELECTRO	CEXF1H478V	3	50V RSS 0.47MF (5X11) TP	CE903 CE904
C ELECTRO	CEXF1H479V	11	50V RSS 4.7MF (5X11) TP	CE502 CE503 CE505
C ELECTRO	CEYD1H109F	2	50V RSS 1MF (NON-POLAR)	CE311 CE312 CE317 CE519 CE520 CE521 CE522 CE611 CE612 CE701 CE702
C ELECTRO	CEYF1E471V	1	25V RSS 470MF (10X16)	CE308 CE309
C MYLAR	CMXK1J224J	6	MC 63V 0.22MF J	CE908
C MYLAR	CMXK1J684J	1	MC 63V 0.68MF J	CM305 CM306 CM313 CM314 CM315 CM316
C MYLAR	CMXM1H102J	6	50V 0.001MF J (TP)	CM312
C MYLAR	CMXM1H103J	8	50V 0.01MF J (TP)	CM303 CM309 CM611 CM612 CM613 CM614
C MYLAR	CMXM1H104J	17	50V 0.1MF J	CM202 CM203 CM607 CM608 CM901 CM903 CM904 CM905
C MYLAR	CMXM1H122J	2	50V 0.0012MF J	CM301 CM304 CM307 CM317 CM320 CM321 CM324 CM325 CM326 CM327 CM328 CM405 CM406 CM407 CM408 CM902 CM906
C MYLAR	CMXM1H122J	2	50V 0.0012MF J	CM505 CM506

Parts Name	Parts Code	Q'ty	Description	Location
C MYLAR	CMXM1H152K	2	50V 1500 PF K	CM605 CM606
C MYLAR	CMXM1H153J	1	50V 0.015MF J (TP)	CM201
C MYLAR	CMXM1H183J	5	50V 0.018MF J	CM401 CM402 CM503 CM603 CM604
C MYLAR	CMXM1H223J	7	50V 0.022MF J	CM322 CM323 CM403 CM404 CM601 CM602 CM617
C MYLAR	CMXM1H332J	3	50V 3300 PF J	CM615 CM616 CM618
C MYLAR	CMXM1H333J	2	50V 0.033MF J (TP)	CM501 CM504
C MYLAR	CMXM1H472J	2	50V 0.0047MF J	CM302 CM308
C MYLAR	CMXM1H473J	7	50V 0.047MF J	CM311 CM318 CM319 CM801 CM802 CM803 CM804
C MYLAR	CMXM1H562J	5	50V 5600 PF J	CM208 CM209 CM310 CM409 CM410
C MYLAR	CMXM1H682J	1	50V 0.0068MF J	CM329
C MYLAR	CMXM1H683J	1	50V 0.068 MF J	CM502
CLIP FUSE	9734600700	2	FC-5N	FC901 FC902
COIL	5LC213K828	1	20.8MH	L208
COIL	5P076068--	2	6068MPX	L206 L207
COIL BIAS OSC	5L0503K643	1	SM-10F 5.04MH	L603
COIL CHOKE	5LC333K804	2	33MH K	L601 L602
COIL DISCRIMI-NATOR	5107FBK473	1	7X7 BLK KSZ-73S	L203
COIL PEAKING	5CPZ100K02	2	10UH K (AXIAL 3.5MM)	L001 L251
CONN AS	9CD8806500	2	#28 2547*2 1007*2 8P150MM	CN603 CW603
CONN AS	9736407600	1	PIN BASE 53095-1310 13P	CN401
CONN AS	9738828700	1	AWG28 3P SHIELD 220MM	CW601
CONN AS	9738828800	1	AWG28 7P SHIELD 100MM	CW602
CONN AS	9738832000	1	AWG26 10P 350 P=2.0 BR	CN505
CONN AS	9738832100	1	7P 200 P=2.5 BOARDIN	CN509
CONN AS	9738832102	1	200MM P2.5 7P	CW509
CONN AS	9738832400	1	FFT 19P 300MM P=1.25	CN508
CONN AS	9738832900	1	#30 UL1007 6P 170 P=2.0	CN503 CW503
CONN AS	9738834000	1	#26 2.0PITCH 11P FLAT 150	CN704
CONN AS	9738834100	1	#26 13P FLAT 100MM	CN703
CONN AS	9738835600	1	FFC 16P P1.0X110MM R	CN501
CONN AS	9738835800	2	UL2468 #26 P2.0 200MM 3P	CN705 CW705
CONN AS	9738835900	1	UL2468 200MM P2.0 10P	CN701
CONN AS	9738836100	2	UL1007 #22 P2.5 320MM 13P	CN902 CW902
CONN AS	9738836200	1	UL2468 160MM P2.0 8P/2P	CW701
CONN AS	9738836300	2	UL1007 #22 P2.5 300MM 3P	CN901 CW901
CONN AS	9738857300	1	3P P=2.5 400MM	CN510 CW510
CONN PIN	9736407800	1	53095-1010 10PIN ANGLE	CN402
CONN WAFER	9CD6258800	1	2P S2B-XH-A	CW101
CONN WAFER	9CD6259300	1	52807-1610	CW501
CONN WAFER	9CD6259600	1	2503-WS-2P	CW502
CONN WAFER	9736407900	1	52084-1010 10P BOTTOM	CW402
CONN WAFER	9736408300	1	52492-1920 19P BOTTOM	CW508
CONN WAFER	9736408400	1	52045-1945 19P	CW508

Parts Name	Parts Code	Q'ty	Description	Location
CORD AC	9736900200	1	"KKP419C,KLCE-2F,0.75SQURE"	AC901
CORE BEAD	9768602000	1	H.B-T15X25X130N	BD501
CRYSTAL QUARTZ	5XA32R768-	1	DT-38 32.768KHZ 20PPM	XC702
DIODE	DRL202----	4	RL202	D901 D902 D903 D904
DIODE	DZN4148---	18	1N4148 AUTO 52MM	D201 D501 D502 D606 D607 D608 D609 D701 D702 D703 D704 D705 D706 D707 D708 D801 D802 D804
DIODE	D1N4001---	3	1N4001	D905 D906 D908
DIODE	D1N4148---	7	1N4148 (TAPPING)	D401 D401 D601 D803 D805 D806 D907
DIODE	D1N5402---	4	1N5402	D909 D910 D911 D912
DIODE ZENER	DZT212B---	1	MTZ 12V 26MM TAPPING	DZ903
DIODE ZENER	DZT23R9B--	1	MTZ3.9B	DZ502
DIODE ZENER	DZT233B---	1	MTZ-33B	DZ901
DIODE ZENER	DZT25R6A--	1	MTZ-5.6 52MM TAPPING	DZ401
DIODE ZENER	DZT25R6B--	3	UZ-5.6B	DZ501 DZ503 DZ504
DIODE ZENER	DZT26R2B--	1	MTZ6.2B	DZ902
FILTER	5PPCFAZ077	1	PCFAZ077	CF201
FILTER CERA	5PE107MS3A	2	SFE107MS3-A	CF001 CF002
FUSE GLASS TUBE	5FSGB1622L	1	SEMKO TL 1.6A 250V MF51	F901
IC	1BA1450S--	1	BA1450S	IC201
IC	1BA4560N--	2	BA4560N(H/P AMP)	IC402 IC403
IC	1BU4094BCF	2	BU4094BCF(SOP16)	IC603 IC704
IC	1DBL2084--	2	DBL2084(D/W)	IC504 IC506
IC	1LC72130--	1	LC72130	IC202
IC	1L4959----	1	L4959	IC901
IC	1MC7805---	1	MC 7805 (KA7805)	IC205
IC	1MSGEQ5A--	1	MSGEQ5A	IC703
IC	1M24C04--	1	M24C04-BN6	IC701
IC	1M38199721	1	M38199721(921DP/721L)	IC702
IC	1M51167BFP	1	M51167BFP (SOP36S)	IC601
IC	1M62463FP-	1	M62463FP (PRO-LOGIC)	IC301
IC	1PNA4612HB	1	PNA4612M00HB	IC705
IC	1TDA7296--	4	TDA7296	IC801 IC802 IC803 IC804
IC	1TDA7449L-	1	TDA7449L	IC302
IC	1TDA7479D-	1	TDA7479D	IC204
IC	1T0TX178--	1	T0TX178	IC507
IC	1UPC1330HA	1	UPC1330HA	IC602
IC AUDIO	1KA9270---	1	KA9270	IC505
IC AUDIO	1TDA7439--	1	TDA7439	IC401
IC AUDIO DSP	1KA9282B--	1	KA9282B	IC502
IC CHIP	1KA9258D--	1	KA9258D	IC503
IC CHIP RF	1KA9220B--	1	KA9220B	IC501
JACK	9736322700	1	HSP-243V1-02	J803

Parts Name	Parts Code	Q'ty	Description	Location
JACK ANT	9736321900	1	PAT645	J001
JACK HEAD- PHONE	9766319501	1	HTJ-064-05B GOLD	J801
JACK RCA	9CD6313700	1	S-436P	J401
JACK SPEAKER	9736320500	1	CJ-9007-040	J802
LED	DLTL16KGE-	8	LTL-16KGE(GREEN)PI3.1	LD701 LD702 LD704 LD705 LD707 LD708 LD710 LD711
LED	DLTL16KYE-	4	LTL-16KYE (AMBER)PI3.1	LD703 LD706 LD709 LD712
PACK TUNER	9737612800	1	FTA4-460V	TU001
PCB CD	9CD6574800	1	247X197	B501
PCB FRONT	9CD6577400	1	247X139X1.6T	B001
PCB MAIN	9CD6577600	1	330X197X1.6T	B001
PCB OPTICAL	9CD6577800	1	29X21X1.6T	B001
PCB POWER	9CD6578300	1	95X101X1.6T	B001
PCB TAPE	9CD6577200	1	247X197X1.6T	B001
PIN WAFER	9736407700	1	52084-1310 13P BOTTOM	CW401
PIN WRAPPING	9713550400	4	1.0X2.5X15	TP501 TP502 TP503 TP504
PIN WRAPPING	9716404000	2	MFZN1.1X1.1 PANASERT	TP901 TP902
R CARBON FILM	RD-AZ100J-	6	1/6 10 OHM J	R004 R009 R206 R255 R545 R764
R CARBON FILM	RD-AZ101J-	15	1/6 100 OHM J	R008 R102 R227 R228 R3011 R312 R322 R322 R334 R335 R643 R763 R768 R769 R776
R CARBON FILM	RD-AZ102J-	68	1/6 1K OHM J	JW567 R208 R215 R216 R251 R256 R260 R261 R262 R263 R302 R303 R304 R308 R310 R311 R312 R320 R321 R328 R329 R332 R333 R405 R406 R419 R420 R433 R434 R441 R442 R511 R521 R522 R563 R564 R580 R607 R608 R611 R612 R625 R626 R647 R655 R658 R672 R673 R674 R727 R729 R730 R732 R733 R735 R737 R738 R766 R770 R801 R802 R807 R809 R819 R829 R839 R902 R910
R CARBON FILM	RD-AZ103J-	55	1/6 10K OHM J	R254 R257 R258 R276 R277 R443 R444 R450 R579 R615 R616 R633 R634 R645 R646 R651 R652 R659 R675 R701 R702 R703 R704 R708 R709 R710 R711 R712 R728 R731 R743 R744 R746 R760 R772 R774 R777 R778 R803 R804 R805 R806 R813 R814 R823 R824 R833 R834 R843 R844 R849 R903 R913 R914 R917
R CARBON FILM	RD-AZ104J-	36	1/6 100K OHM J	R113 R301 R305 R306 R307 R323 R324 R325 R326 R330 R331 R336 R337 R417 R418 R421 R422 R427 R428 R502 R510 R518 R519 R548 R549 R567 R568 R584 R585 R613 R614 R635 R639 R690 R756 R759
R CARBON FILM	RD-AZ105J-	5	1/6 1M OHM J	R505 R508 R559 R560 R641
R CARBON FILM	RD-AZ106J-	1	1/6 10M OHM J	R761
R CARBON FILM	RD-AZ109J-	2	1/6 1 OHM J	R906 R907
R CARBON FILM	RD-AZ121J-	1	1/6 120 OHM J	R551

Parts Name	Parts Code	Q'ty	Description	Location
R CARBON FILM	RD-AZ123J-	15	1/6 12K OHM J	R259 R401 R402 R509 R523 R526 R531 R532 R533 R538 R539 R557 R558 R619 R620
R CARBON FILM	RD-AZ124J-	1	1/6 120K OHM J	R513
R CARBON FILM	RD-AZ151J-	3	1/6 150 OHM J	R302 R313 R323
R CARBON FILM	RD-AZ152J-	7	1/6 1.5K OHM J	R310 R321 R609 R610 R718 R719 R720
R CARBON FILM	RD-AZ153J-	13	1/6 15K OHM J	R314 R315 R403 R404 R407 R408 R437 R438 R515 R553 R554 R653 R654
R CARBON FILM	RD-AZ154J-	2	1/6 150K OHM J	R503 R525
R CARBON FILM	RD-AZ181J-	3	1/6 180 OHM J	R303 R314 R324
R CARBON FILM	RD-AZ182J-	3	1/6 1.8K OHM J	R413 R414 R734
R CARBON FILM	RD-AZ183J-	4	1/6 18K OHM J	R201 R203 R621 R622
R CARBON FILM	RD-AZ184J-	2	1/6 180K OHM J	R504 R765
R CARBON FILM	RD-AZ220J-	3	1/6 22 OHM J	R435 R436 R534
R CARBON FILM	RD-AZ221J-	6	1/6 220 OHM J	R327 R449 R546 R552 R904 R905
R CARBON FILM	RD-AZ222J-	14	1/6 2.2K OHM J	R211 R212 R253 R264 R409 R410 R411 R412 R581 R740 R741 R742 R775 R909
R CARBON FILM	RD-AZ223J-	9	1/6 22K OHM J	R107 R528 R530 R745 R812 R822 R832 R842 R916
R CARBON FILM	RD-AZ224J-	1	1/6 220K OHM J	R771
R CARBON FILM	RD-AZ271J-	7	1/6 270 OHM J	R304 R315 R325 R748 R750 R752 R754
R CARBON FILM	RD-AZ272J-	5	1/6 2.7K OHM J	R222 R223 R311 R429 R430
R CARBON FILM	RD-AZ273J-	3	1/6 27K OHM J	R542 R555 R556
R CARBON FILM	RD-AZ274J-	2	1/6 270K OHM J	R627 R628
R CARBON FILM	RD-AZ331J-	5	1/6 330 OHM J	R007 R305 R316 R326 R687
R CARBON FILM	RD-AZ332J-	9	1/6 3.3K OHM J	R005 R106 R221 R225 R226 R516 R541 R543 R640
R CARBON FILM	RD-AZ333J-	2	1/6 33K OHM J	R715 R779
R CARBON FILM	RD-AZ334J-	4	1/6 330K OHM J	R313 R757 R758 R762
R CARBON FILM	RD-AZ390J-	2	1/6 39 OHM J	R671 R755
R CARBON FILM	RD-AZ391J-	7	1/6 390 OHM J	R306 R3171 R327 R747 R749 R751 R753
R CARBON FILM	RD-AZ392J-	4	1/6 3.9K OHM J	R415 R416 R529 R912
R CARBON FILM	RD-AZ393J-	10	1/6 39K OHM J	R520 R537 R572 R586 R587 R716 R810 R820 R830 R840
R CARBON FILM	RD-AZ470J-	8	1/6 47 OHM J	R003 R209 R252 R275 R445 R446 R656 R663
R CARBON FILM	RD-AZ471J-	6	1/6 470 OHM J	R307 R309 R318 R328 R908 R911
R CARBON FILM	RD-AZ472J-	34	1/6 4.7K OHM J	R101 R103 R104 R105 R207 R210 R425 R426 R447 R448 R547 R561 R562 R565 R566 R573 R574 R575 R576 R577 R578 R582 R583 R605 R606 R636 R637 R638 R664 R688 R722 R723 R724 R725
R CARBON FILM	RD-AZ473J-	6	1/6 47K OHM J	R316 R318 R512 R713 R714 R915
R CARBON FILM	RD-AZ474J-	9	1/6 470K OHM J	R217 R218 R423 R424 R501 R540 R631 R632 R642

Parts Name	Parts Code	Q'ty	Description	Location
R CARBON FILM	RD-AZ479J-	1	1/6 4.7 OHM J	R660
R CARBON FILM	RD-AZ561J-	6	1/6 560 OHM J	R308 R319 R569 R570 R571 R689
R CARBON FILM	RD-AZ562J-	5	1/6 5.6K OHM J	R002 R431 R432 R617 R618
R CARBON FILM	RD-AZ563J-	9	1/6 56K OHM J	R439 R440 R514 R517 R644 R649 R650 R661 R662
R CARBON FILM	RD-AZ680J-	2	1/6 68 OHM J	R601 R602
R CARBON FILM	RD-AZ681J-	7	1/6 680 OHM J	R006 R629 R630 R811 R821 R831 R841
R CARBON FILM	RD-AZ682J-	4	1/6 6.8K OHM J	R001 R219 R603 R604
R CARBON FILM	RD-AZ683J-	4	1/6 68K OHM J	R705 R706 R707 R717
R CARBON FILM	RD-AZ752J-	2	1/6 7.5K OHM J	R317 R319
R CARBON FILM	RD-AZ820J-	1	1/6 82 OHM J	R506
R CARBON FILM	RD-AZ821J-	2	1/6 820 OHM J	R309 R320
R CARBON FILM	RD-AZ822J-	3	1/6 8.2K OHM J	R507 R524 R527
R CARBON FILM	RD-AZ823J-	2	1/6 82K OHM J	R535 R536
R CARBON FILM	RD-2Y229J-	1	1/2 2.2 OHM J	R550
R CARBON FILM	RD-2Y475J-	1	1/2 4.7M OHM J	R918
R CARBON FILM	RD-4Z100J-	11	1/4 10 OHM J	R588 R589 R817 R818 R827 R828 R837 R838 R847 R848 R901
R CARBON FILM	RD-4Z689J-	2	1/4 6.8 OHM J	R736 R739
R FUSIBLE	RF01F4780J	2	0.470OHM 1W	RF901 RF902
R SEMI FIXED	RV141722Z-	1	1/10 2.2K OHM B V6EK-PV1S	RV601
R SEMI FIXED	RV641722Z-	3	VM6CK-PV(1S) B 22K OHM	RV201 RV501 RV502
RESONATOR	5PCSA8MTZ-	1	"CSA8MTZ, 8MHZ"	XC701
RESONATOR CERA	5PCSA16R93	1	CSA16.93MX204	XC501
SW ENCODER	5SH162401-	1	EC16B24204 24P W/ DETENT	VR701

Parts Name	Parts Code	Q'ty	Description	Location
SW TACT	5S50101001	29	KPT-1105A 1C-1P	SW701 SW703 SW704 SW705 SW706 SW707 SW708 SW709 SW710 SW711 SW712 SW713 SW714 SW715 SW716 SW717 SW718 SW720 SW721 SW722 SW723 SW724 SW725 SW726 SW727 SW728 SW729 SW730 SW731
TR	TKRA111M--	12	KRA111-M TAP-PING(KSR2010)	Q613 Q623 Q711 Q713 Q714 Q715 Q716 Q801 Q804 Q806 Q810 Q904
TR	TKRC107M--	7	KRC107-M TAP-PING(KSR1006)	Q607 Q701 Q706 Q708 Q710 Q712 Q905
TR	TKRC111M--	7	KRC111M (KSR1010)	Q601 Q602 Q605 Q606 Q608 Q625 Q638
TR	TKSA928AY-	2	KSA928A-Y	Q501 Q502
TR	TKSC2331Y-	1	KSC2331Y	Q503
TR	TKSR1003--	1	KSR1003	Q504
TR	KTBT1366Y-	1	KTBT1366Y	Q903
TR	TZRA107M--	4	KRA107M (KSR2006)	Q003 Q614 Q615 Q616
TR	TZTA1266Y-	2	KTA1266Y-(AUTO)(1015Y)	Q637 Q808
TR	TZTA1273Y-	4	KTA1273Y(966Y)	Q624 Q705 Q707 Q709
TR	TZTA1274Y-	1	KTA1274Y-	Q901
TR	TZTC3194Y-	1	KTC3194Y	Q001
TR	TZTC3198Y-	18	KTC3198Y-(1815Y) (AUTO)	Q201 Q202 Q401 Q402 Q505 Q611 Q612 Q621 Q622 Q702 Q703 Q704 Q802 Q803 Q805 Q807 Q809 Q902
TR	TZTC3205Y-	1	KTC3205Y (2236Y)	Q628
TRANS POWER	5TP8074801	1	EI=74X62 230V/50HZ	PT901
VFD	DBJ703GNK-	1	BJ703GNK	FD701
WIRE JUMPER	W581GY1005	5	AWG22 1/0.65 SN 10 AUTO	L270 L801 L802 L803 L804
WIRE JUMPER	W581GY6095	5	AWG22 1/0.65 SN 6 AUTO	L502 R213 R214 R301 R317
WIRE JUMPER	5CPZ100K2-	1	10UH	JW103
X-TAL	5XA4R332M-	1	4.332M	XC270
X-TAL	5XA7R20000	1	7.2M	XC251

2. 921DPR _ 3 Band

Parts Name	Parts Code	Q'ty	Description	Location
C CERA	CCXB1H271K	1	50V B 270PF K (TAPPING)	CC208
C CERA	CCXF1H103Z	25	50V F 0.01MF Z (TAPPING)	CC002 CC004 CC102 CC201 CC205 CC206 CC207 CC209 CC251 CC252 CC257 CC275 CC501 CC502 CC503 CC507 CC515 CC521 CC529 CC535 CC536 CC907 CC908 CC909 CC910
C CERA	CCXF1H104Z	37	50V F 0.1MF Z	CC005 CC006 CC101 CC103 CC202 CC301 CC403 CC406 CC504 CC505 CC506 CC511 CC512 CC513 CC526 CC527 CC537 CC544 CC545 CC546 CC547 CC548 CC549 CC550 CC561 CC702 CC704 CC705 CC712 CC713 CC721 CC725 CC801 CC886 CC901 CC902 CC912
C CERA	CCXF1H223Z	8	50V F 0.022MF Z (TAPPING)	CC609 CC701 CC703 CC718 CC720 CC722 CC726 CC906
C CERA	CCXF1H473Z	8	50V F 0.047MF Z (TAPPING)	CC212 CC509 CC522 CC528 CC631 CC903 CC904 CC905
C CERA	CCZB1E102K	10	25V B 1000PF K (AXIAL)	CC001 CC253 CC254 CC520 CC533 CC534 CC803 CC807 CC811 CC815
C CERA	CCZB1E121K	3	25V B 120PF K (AXIAL)	CC508 CC613 CC614
C CERA	CCZB1E151K	2	25V B 150PF K (AXIAL)	CC531 CC532
C CERA	CCZB1E152K	1	25V B 1500PF K (AXIAL)	CC523
C CERA	CCZB1E221K	5	25V B 220PF K (AXIAL)	CC724 CC802 CC806 CC810 CC814
C CERA	CCZB1E222K	2	25V B 2200PF K (AXIAL)	CC510 CC516
C CERA	CCZB1E472K	4	25V B 4700PF K (AXIAL)	CC213 CC518 CC542 CC543
C CERA	CCZB1E681K	2	25V B 680PF K (AXIAL)	CC302 CC303
C CERA	CCZB1E682K	1	25V B 6800PF K (AXIAL)	CC514
C CERA	CCZB1E821K	8	25V B 820PF K AXIAL	CC601 CC602 CC603 CC604 CC605 CC606 CC607 CC608
C CERA	CCZB1H221K	1	50V B 220PF K	CC610
C CERA	CCZF1H104Z	1	50V HIKF 0.1MF Z	CC616
C CERA	CXCH1H101J	1	50V CH 100PF J (TAPPING)	CC563
C CERA	CZCH1E101J	17	CH 25V 100PF J AXL 52MM	CC203 CC305 CC306 CC308 CC309 CC401 CC402 CC404 CC405 CC409 CC410 CC706 CC707 CC708 CC709 CC710 CC723
C CERA	CZCH1E150J	1	CH 25V 15PF J (AXIAL)	CC714
C CERA	CZCH1E180J	2	CH 25V 18PF J (AXIAL)	CC104 CC715
C CERA	CZCH1E309K	1	CH 25V 3PF K AXIAL	CC519
C CERA	CZCH1E330J	5	CH 25V 33PF J AXIAL 52MM	CC255 CC256 CC716 CC717 CC719
C CERA	CZCH1E331J	1	CH 25V 330PF J AXIAL 52MM	CC270
C CERA	CZCH1E470J	7	CH 25V 47PF J AX	CC277 CC307 CC310 CC407 CC408 CC611 CC612
C CERA	CZCH1E809K	1	CH 25V 8PF K AXL 52MM	CC517
C CERA	CZCH1E820J	1	CH 25V 82PF J AXL 52MM	CC276
C CERA	CZCH1H270J	2	CH 50V 27PF J AXL 52MM	CC524 CC525
C ELECTRO	CEXE1C102A	1	16V RS 1000MF 13X20	CE515
C ELECTRO	CEXF1A102V	1	10V RSS 1000MF (10X16) TP	CE703
C ELECTRO	CEXF1C221V	5	16V RSS 220MF (8X11.5) TP	CE507 CE511 CE512 CE513 CE517

Parts Name	Parts Code	Q'ty	Description	Location
C ELECTRO	CEXF1E101V	14	25V RSS 100MF (6.3X11) TP	CE201 CE214 CE251 CE307 CE315 CE506 CE508 CE509 CE510 CE514 CE516 CE524 CE602 CE704
C ELECTRO	CEXF1E102V	1	25V RSS 1000MF (13X20) TP	CE907
C ELECTRO	CEXF1E221V	5	25V RSS 220MF (8X11.5) TP	CE102 CE213 CE316 CE323 CE401
C ELECTRO	CEXF1E331V	1	25V RSS 330MF (10X12.5)TP	CE901
C ELECTRO	CEXF1E470V	22	25V RSS 47MF (5X11) TP	CE001 CE203 CE272 CE318 CE325 CE326 CE417 CE418 CE518 CE523 CE601 CE603 CE604 CE631 CE632 CE633 CE824 CE909 CE910 CE911 CE912 CE913
C ELECTRO	CEXF1F332V	2	35V RSS 3300MF 16X31.5	CE914 CE915
C ELECTRO	CEXF1H100V	28	50V RSS 10MF (5X11) TP	CE206 CE301 CE302 CE303 CE304 CE305 CE306 CE324 CE402 CE501 CE504 CE605 CE606 CE607 CE608 CE615 CE616 CE617 CE618 CE706 CE806 CE807 CE811 CE812 CE816 CE817 CE821 CE822
C ELECTRO	CEXF1H101V	1	50V RSS 100MF (8X11.5) TP	CE902
C ELECTRO	CEXF1H108V	3	50V RSS 0.1MF (5X11) TP	CE613 CE614 CE620
C ELECTRO	CEXF1H109V	19	50V RSS 1MF (5X11) TP	CE205 CE207 CE208 CE209 CE210 CE211 CE310 CE313 CE314 CE609 CE610 CE705 CE801 CE802 CE803 CE805 CE810 CE815 CE820
C ELECTRO	CEXF1H220V	10	50V RSS 22MF (5X11) TP	CE204 CE619 CE804 CE808 CE809 CE813 CE814 CE818 CE819 CE823
C ELECTRO	CEXF1H228V	1	50V RSS 0.22MF (5X11) TP	CE212
C ELECTRO	CEXF1H229V	22	50V RSS 2.2MF (5X11) TP	CE101 CE319 CE320 CE321 CE322 CE403 CE404 CE405 CE406 CE407 CE408 CE409 CE410 CE411 CE412 CE413 CE414 CE415 CE416 CE419 CE420 CE621
C ELECTRO	CEXF1H339V	2	50V RSS 3.3MF (5X11) TP	CE202 CE273
C ELECTRO	CEXF1H470V	2	50V RSS 47MF (6.3X11) TP	CE903 CE904
C ELECTRO	CEXF1H478V	3	50V RSS 0.47MF (5X11) TP	CE502 CE503 CE505
C ELECTRO	CEXF1H479V	11	50V RSS 4.7MF (5X11) TP	CE311 CE312 CE317 CE519 CE520 CE521 CE522 CE611 CE612 CE701 CE702
C ELECTRO	CEYD1H109F	2	50V RSS 1MF (NON-POLAR)	CE308 CE309
C ELECTRO	CEYF1E471V	1	25V RSS 470MF (10X16)	CE908
C MYLAR	CMXK1J224J	6	MC 63V 0.22MF J	CM305 CM306 CM313 CM314 CM315 CM316
C MYLAR	CMXK1J684J	1	MC 63V 0.68MF J	CM312
C MYLAR	CMXM1H102J	6	50V 0.001MF J (TP)	CM303 CM309 CM611 CM612 CM613 CM614
C MYLAR	CMXM1H103J	8	50V 0.01MF J (TP)	CM202 CM203 CM607 CM608 CM901 CM903 CM904 CM905
C MYLAR	CMXM1H104J	17	50V 0.1MF J	CM301 CM304 CM307 CM317 CM320 CM321 CM324 CM325 CM326 CM327 CM328 CM405 CM406 CM407 CM408 CM902 CM906
C MYLAR	CMXM1H122J	2	50V 0.0012MF J	CM505 CM506
C MYLAR	CMXM1H152K	2	50V 1500 PF K	CM605 CM606
C MYLAR	CMXM1H153J	1	50V 0.015MF J (TP)	CM201
C MYLAR	CMXM1H183J	5	50V 0.018MF J	CM401 CM402 CM503 CM603 CM604

Parts Name	Parts Code	Q'ty	Description	Location
C MYLAR	CMXM1H223J	7	50V 0.022MF J	CM322 CM323 CM403 CM404 CM601 CM602 CM617
C MYLAR	CMXM1H332J	3	50V 3300 PF J	CM615 CM616 CM618
C MYLAR	CMXM1H333J	2	50V 0.033MF J (TP)	CM501 CM504
C MYLAR	CMXM1H472J	2	50V 0.0047MF J	CM302 CM308
C MYLAR	CMXM1H473J	7	50V 0.047MF J	CM311 CM318 CM319 CM801 CM802 CM803 CM804
C MYLAR	CMXM1H562J	5	50V 5600 PF J	CM208 CM209 CM310 CM409 CM410
C MYLAR	CMXM1H682J	1	50V 0.0068MF J	CM329
C MYLAR	CMXM1H683J	1	50V 0.068 MF J	CM502
CLIP FUSE	9734600700	2	FC-5N	FC901 FC902
COIL	5LC213K828	1	20.8MH	L208
COIL	5P076068--	2	6068MPX	L206 L207
COIL BIAS OSC	5L0503K643	1	SM-10F 5.04MH	L603
COIL CHOKE	5LC333K804	2	33MH K	L601 L602
COIL DISCRIMI-NATOR	5107FBK473	1	7X7 BLK KSZ-73S	L203
COIL PEAKING	5CPZ100K02	2	10UH K (AXIAL 3.5MM)	L001 L251
CONN AS	9CD8806500	2	#28 2547*2 1007*2 8P150MM	CN603 CW603
CONN AS	9736407600	1	PIN BASE 53095-1310 13P	CN401
CONN AS	9738828700	1	AWG28 3P SHIELD 220MM	CW601
CONN AS	9738828800	1	AWG28 7P SHIELD 100MM	CW602
CONN AS	9738832100	1	7P 200 P=2.5 BOARDIN	CN509
CONN AS	9738832102	1	200MM P2.5 7P	CW509
CONN AS	9738834000	1	#26 2.0PITCH 11P FLAT 150	CN704
CONN AS	9738834100	1	#26 13P FLAT 100MM	CN703
CONN AS	9738835800	2	UL2468 #26 P2.0 200MM 3P	CN705 CW705
CONN AS	9738835900	1	UL2468 200MM P2.0 10P	CN701
CONN AS	9738836100	2	UL1007 #22 P2.5 320MM 13P	CN902 CW902
CONN AS	9738836200	1	UL2468 160MM P2.0 8P/2P	CW701
CONN AS	9738836300	2	UL1007 #22 P2.5 300MM 3P	CN901 CW901
CONN AS	9738840800	1	FFC 16P P1.0X250MM R	CN501
CONN AS	9738840900	1	FFC 19P P1.25X110MM K	CN508
CONN AS	9738841800	1	#26 400MM 3P 2.5P	CN510
CONN AS	9738857300	1	3P P=2.5 400MM	CW510
CONN PIN	9736407800	1	53095-1010 10PIN ANGLE	CN402
CONN WAFER	9CD6258800	1	2P S2B-XH-A	CW101
CONN WAFER	9CD6259300	1	52807-1610	CW501
CONN WAFER	9CD6259400	1	2001-WS-12P	CW507
CONN WAFER	9CD6259500	1	2001-WS-6P	CW503
CONN WAFER	9CD6259600	1	2503-WS-2P	CW502
CONN WAFER	9736407900	1	52084-1010 10P BOTTOM	CW402
CONN WAFER	9736408300	1	52492-1920 19P BOTTOM	CW508
CONN WAFER	9736408400	1	52045-1945 19P	CW508
CORD AC	9736900200	1	"KKP419C,KLCE-2F,0.75SSQURE"	AC901
CORE BEAD	9768602000	1	H.B-T15X25X13ON	BD501

Parts Name	Parts Code	Q'ty	Description	Location
CRYSTAL QUARTZ	5XA32R768-	1	DT-38 32.768KHZ 20PPM	XC702
DIODE	DRL202----	4	RL202	D901 D902 D903 D904
DIODE	DZN4148---	18	1N4148 AUTO 52MM	D201 D501 D502 D606 D607 D608 D609 D701 D702 D703 D704 D705 D706 D707 D708 D801 D802 D804
DIODE	D1N4001---	3	1N4001	D905 D906 D908
DIODE	D1N4148---	7	1N4148 (TAPPING)	D401 D401 D601 D803 D805 D806 D907
DIODE	D1N5402---	4	1N5402	D909 D910 D911 D912
DIODE ZENER	DZT212B---	1	MTZ 12V 26MM TAPPING	DZ903
DIODE ZENER	DZT233B---	1	MTZ-33B	DZ901
DIODE ZENER	DZT24R3B--	1	MTZ4.3B	DZ502
DIODE ZENER	DZT25R6A--	1	MTZ-5.6 52MM TAPPING	DZ401
DIODE ZENER	DZT25R6B--	3	UZ-5.6B	DZ501 DZ503 DZ504
DIODE ZENER	DZT26R2B--	1	MTZ6.2B	DZ902
FILTER	5PPCFAZ077	1	PCFAZ077	CF201
FILTER CERA	5PE107MS3A	2	SFE107MS3-A	CF001 CF002
FUSE GLASS TUBE	5FSGB1622L	1	SEMKO TL 1.6A 250V MF51	F901
IC	1BA1450S--	1	BA1450S	IC201
IC	1BA4560N--	2	BA4560N(H/P AMP)	IC402 IC403
IC	1BU4094BCF	2	BU4094BCF(SOP16)	IC603 IC704
IC	1DBL2084--	2	DBL2084(D/W)	IC504 IC506
IC	1LC72130--	1	LC72130	IC202
IC	1L4959----	1	L4959	IC901
IC	1MC7805---	1	MC 7805 (KA7805)	IC205
IC	1MSGEQ5A--	1	MSGEQ5A	IC703
IC	1M24C04---	1	M24C04-BN6	IC701
IC	1M38199721	1	M38199721(921DP/721L)	IC702
IC	1M51167BFP	1	M51167BFP (SOP36S)	IC601
IC	1M62463FP-	1	M62463FP (PRO-LOGIC)	IC301
IC	1PNA4612HB	1	PNA4612M00HB	IC705
IC	1TDA7296--	4	TDA7296	IC801 IC802 IC803 IC804
IC	1TDA7449L-	1	TDA7449L	IC302
IC	1TDA7479D-	1	TDA7479D	IC204
IC	1T0TX178--	1	T0TX178	IC507
IC	1UPC1330HA	1	UPC1330HA	IC602
IC AUDIO	1KA9270---	1	KA9270	IC505
IC AUDIO	1TDA7439--	1	TDA7439	IC401
IC AUDIO DSP	1KA9282B--	1	KA9282B	IC502
IC CHIP	1KA9258D--	1	KA9258D	IC503
IC CHIP RF	1KA9220B--	1	KA9220B	IC501
JACK	9736322700	1	HSP-243V1-02	J803
JACK ANT	9736321900	1	PAT645	J001
JACK HEAD-PHONE	9766319501	1	HTJ-064-05B GOLD	J801

Parts Name	Parts Code	Q'ty	Description	Location
JACK RCA	9CD6313700	1	S-436P	J401
JACK SPEAKER	9736320500	1	CJ-9007-040	J802
LED	DLTL16KGE-	8	LTL-16KGE(GREEN)PI3.1	LD701 LD702 LD704 LD705 LD707 LD708 LD710 LD711
LED	DLTL16KYE-	4	LTL-16KYE (AMBER)PI3.1	LD703 LD706 LD709 LD712
LW RF UNIT	5LR0000831	1	KSNT-403ML	L101
PACK TUNER	9737612800	1	FTA4-460V	TU001
PCB CD	9CD6574800	1	247X197	B501
PCB FRONT	9CD6577400	1	247X139X1.6T	B001
PCB MAIN	9CD6577600	1	330X197X1.6T	B001
PCB OPTICAL	9CD6577800	1	29X21X1.6T	B001
PCB POWER	9CD6578300	1	95X101X1.6T	B001
PCB TAPE	9CD6577200	1	247X197X1.6T	B001
PIN WAFER	9736407700	1	52084-1310 13P BOTTOM	CW401
PIN WRAPPING	9713550400	4	1.0X2.5X15	TP501 TP502 TP503 TP504
PIN WRAPPING	9716404000	2	MFZN1.1X1.1 PANASERT	TP901 TP902
R CARBON FILM	RD-AZ100J-	6	1/6 10 OHM J	R004 R009 R206 R255 R545 R764
R CARBON FILM	RD-AZ101J-	15	1/6 100 OHM J	R008 R102 R227 R228 R3011 R312 R322 R322 R334 R335 R643 R763 R768 R769 R776
R CARBON FILM	RD-AZ102J-	68	1/6 1K OHM J	JW567 R208 R215 R216 R251 R256 R260 R261 R262 R263 R302 R303 R304 R308 R310 R311 R312 R320 R321 R328 R329 R332 R333 R405 R406 R419 R420 R433 R434 R441 R442 R511 R521 R522 R563 R564 R580 R607 R608 R611 R612 R625 R626 R647 R655 R658 R672 R673 R674 R727 R729 R730 R732 R733 R735 R737 R738 R766 R770 R801 R802 R807 R809 R819 R829 R839 R902 R910
R CARBON FILM	RD-AZ103J-	56	1/6 10K OHM J	R254 R257 R258 R265 R276 R277 R443 R444 R450 R579 R615 R616 R633 R634 R645 R646 R651 R652 R659 R675 R701 R702 R703 R704 R708 R709 R710 R711 R712 R728 R731 R743 R744 R746 R760 R772 R773 R777 R778 R803 R804 R805 R806 R813 R814 R823 R824 R833 R834 R843 R844 R849 R903 R913 R914 R917
R CARBON FILM	RD-AZ104J-	36	1/6 100K OHM J	R113 R301 R305 R306 R307 R323 R324 R325 R326 R330 R331 R336 R337 R417 R418 R421 R422 R427 R428 R502 R510 R518 R519 R548 R549 R567 R568 R584 R585 R613 R614 R635 R639 R690 R756 R759
R CARBON FILM	RD-AZ105J-	5	1/6 1M OHM J	R505 R508 R559 R560 R641
R CARBON FILM	RD-AZ106J-	1	1/6 10M OHM J	R761
R CARBON FILM	RD-AZ109J-	2	1/6 1 OHM J	R906 R907
R CARBON FILM	RD-AZ121J-	1	1/6 120 OHM J	R551

Parts Name	Parts Code	Q'ty	Description	Location
R CARBON FILM	RD-AZ123J-	12	1/6 12K OHM J	R259 R401 R402 R509 R523 R531 R538 R539 R557 R558 R619 R620
R CARBON FILM	RD-AZ124J-	3	1/6 120K OHM J	R513 R535 R536
R CARBON FILM	RD-AZ151J-	3	1/6 150 OHM J	R302 R313 R323
R CARBON FILM	RD-AZ152J-	7	1/6 1.5K OHM J	R310 R321 R609 R610 R718 R719 R720
R CARBON FILM	RD-AZ153J-	14	1/6 15K OHM J	R314 R315 R403 R404 R407 R408 R437 R438 R515 R553 R554 R653 R654 R745
R CARBON FILM	RD-AZ154J-	2	1/6 150K OHM J	R503 R525
R CARBON FILM	RD-AZ181J-	3	1/6 180 OHM J	R303 R314 R324
R CARBON FILM	RD-AZ182J-	3	1/6 1.8K OHM J	R413 R414 R734
R CARBON FILM	RD-AZ183J-	5	1/6 18K OHM J	R201 R203 R526 R621 R622
R CARBON FILM	RD-AZ184J-	2	1/6 180K OHM J	R504 R765
R CARBON FILM	RD-AZ220J-	3	1/6 22 OHM J	R435 R436 R534
R CARBON FILM	RD-AZ221J-	6	1/6 220 OHM J	R327 R449 R546 R552 R904 R905
R CARBON FILM	RD-AZ222J-	14	1/6 2.2K OHM J	R211 R212 R253 R264 R409 R410 R411 R412 R581 R740 R741 R742 R775 R909
R CARBON FILM	RD-AZ223J-	8	1/6 22K OHM J	R107 R528 R530 R812 R822 R832 R842 R916
R CARBON FILM	RD-AZ224J-	1	1/6 220K OHM J	R771
R CARBON FILM	RD-AZ271J-	7	1/6 270 OHM J	R304 R315 R325 R748 R750 R752 R754
R CARBON FILM	RD-AZ272J-	5	1/6 2.7K OHM J	R222 R223 R311 R429 R430
R CARBON FILM	RD-AZ273J-	3	1/6 27K OHM J	R542 R555 R556
R CARBON FILM	RD-AZ274J-	2	1/6 270K OHM J	R627 R628
R CARBON FILM	RD-AZ331J-	5	1/6 330 OHM J	R007 R305 R316 R326 R687
R CARBON FILM	RD-AZ332J-	9	1/6 3.3K OHM J	R005 R106 R221 R225 R226 R516 R541 R543 R640
R CARBON FILM	RD-AZ333J-	2	1/6 33K OHM J	R715 R779
R CARBON FILM	RD-AZ334J-	4	1/6 330K OHM J	R313 R757 R758 R762
R CARBON FILM	RD-AZ390J-	2	1/6 39 OHM J	R671 R755
R CARBON FILM	RD-AZ391J-	7	1/6 390 OHM J	R306 R3171 R327 R747 R749 R751 R753
R CARBON FILM	RD-AZ392J-	4	1/6 3.9K OHM J	R415 R416 R529 R912
R CARBON FILM	RD-AZ393J-	10	1/6 39K OHM J	R520 R537 R572 R586 R587 R716 R810 R820 R830 R840
R CARBON FILM	RD-AZ470J-	8	1/6 47 OHM J	R003 R209 R252 R275 R445 R446 R656 R663
R CARBON FILM	RD-AZ471J-	6	1/6 470 OHM J	R307 R309 R318 R328 R908 R911
R CARBON FILM	RD-AZ472J-	37	1/6 4.7K OHM J	R101 R103 R104 R105 R109 R110 R111 R207 R210 R425 R426 R447 R448 R547 R561 R562 R565 R566 R573 R574 R575 R576 R577 R578 R582 R583 R605 R606 R636 R637 R638 R664 R688 R722 R723 R724 R725
R CARBON FILM	RD-AZ473J-	6	1/6 47K OHM J	R316 R318 R512 R713 R714 R915
R CARBON FILM	RD-AZ474J-	9	1/6 470K OHM J	R217 R218 R423 R424 R501 R540 R631 R632 R642

Parts Name	Parts Code	Q'ty	Description	Location
R CARBON FILM	RD-AZ479J-	1	1/6 4.7 OHM J	R660
R CARBON FILM	RD-AZ561J-	6	1/6 560 OHM J	R308 R319 R569 R570 R571 R689
R CARBON FILM	RD-AZ562J-	7	1/6 5.6K OHM J	R002 R431 R432 R524 R527 R617 R618
R CARBON FILM	RD-AZ563J-	9	1/6 56K OHM J	R439 R440 R514 R517 R644 R649 R650 R661 R662
R CARBON FILM	RD-AZ680J-	2	1/6 68 OHM J	R601 R602
R CARBON FILM	RD-AZ681J-	7	1/6 680 OHM J	R006 R629 R630 R811 R821 R831 R841
R CARBON FILM	RD-AZ682J-	4	1/6 6.8K OHM J	R001 R219 R603 R604
R CARBON FILM	RD-AZ683J-	4	1/6 68K OHM J	R705 R706 R707 R717
R CARBON FILM	RD-AZ752J-	2	1/6 7.5K OHM J	R317 R319
R CARBON FILM	RD-AZ820J-	1	1/6 82 OHM J	R506
R CARBON FILM	RD-AZ821J-	2	1/6 820 OHM J	R309 R320
R CARBON FILM	RD-AZ822J-	3	1/6 8.2K OHM J	R507 R532 R533
R CARBON FILM	RD-2Y229J-	1	1/2 2.2 OHM J	R550
R CARBON FILM	RD-2Y475J-	1	1/2 4.7M OHM J	R918
R CARBON FILM	RD-4Z100J-	11	1/4 10 OHM J	R588 R589 R817 R818 R827 R828 R837 R838 R847 R848 R901
R CARBON FILM	RD-4Z689J-	2	1/4 6.8 OHM J	R736 R739
R FUSIBLE	RF01F4780J	2	0.47OHM 1W	RF901 RF902
R SEMI FIXED	RV1417222-	1	1/10 2.2K OHM B V6EK-PV1S	RV601
R SEMI FIXED	RV6417223-	3	VM6CK-PV(1S) B 22K OHM	RV201 RV501 RV502
RESONATOR	5PCSA8MTZ-	1	"CSA8MTZ, 8MHZ"	XC701
RESONATOR CERA	5PCSA16R93	1	CSA16.93MXZ04	XC501
SW ENCORDER	5SH162401-	1	EC16B24204 24P W/ DETENT	VR701
SW TACT	5S50101001	29	KPT-1105A 1C-1P	SW701 SW703 SW704 SW705 SW706 SW707 SW708 SW709 SW710 SW711 SW712 SW713 SW714 SW715 SW716 SW717 SW718 SW720 SW721 SW722 SW723 SW724 SW725 SW726 SW727 SW728 SW729 SW730 SW731

Parts Name	Parts Code	Q'ty	Description	Location
TR	TKRA111M--	12	KRA111-M TAP-PING(KSR2010)	Q613 Q623 Q711 Q713 Q714 Q715 Q716 Q801 Q804 Q806 Q810 Q904
TR	TKRC107M--	7	KRC107-M TAP-PING(KSR1006)	Q607 Q701 Q706 Q708 Q710 Q712 Q905
TR	TKRC111M--	7	KRC111M (KSR1010)	Q601 Q602 Q605 Q606 Q608 Q625 Q638
TR	TKSA928AY-	2	KSA928A-Y	Q501 Q502
TR	TKSC2331Y-	1	KSC2331Y	Q503
TR	TKSR1003--	1	KSR1003	Q504
TR	KTb1366Y-	1	KTb1366Y	Q903
TR	TZRA107M--	4	KRA107M (KSR2006)	Q003 Q614 Q615 Q616
TR	TZTA1266Y-	2	KTA1266Y- (AUTO)(1015Y)	Q637 Q808
TR	TZTA1273Y-	4	KTA1273Y(966Y)	Q624 Q705 Q707 Q709
TR	TZTA1274Y-	1	KTA1274Y-	Q901
TR	TZTC3194Y-	1	KTC3194Y	Q001
TR	TZTC3198Y-	21	KTC3198Y-(1815Y) (AUTO)	Q101 Q102 Q103 Q201 Q202 Q401 Q402 Q505 Q611 Q612 Q621 Q622 Q702 Q703 Q704 Q802 Q803 Q805 Q807 Q809 Q902
TR	TZTC3205Y-	1	KTC3205Y (2236Y)	Q628
TRANS POWER	5TP8074801	1	EI=74X62 230V/50HZ	PT901
VFD	DBJ703GNK-	1	BJ703GNK	FD701
WIRE JUMPER	W581GY1005	5	AWG22 1/0.65 SN 10 AUTO	L270 L801 L802 L803 L804
WIRE JUMPER	W581GY6095	5	AWG22 1/0.65 SN 6 AUTO	L502 R213 R214 R301 R317
WIRE JUMPER	5CPZ100K2-	1	10UH	JW103
X-TAL	5XA4R332M-	1	4.332M	XC270
X-TAL	5XA7R20000	1	7.2M	XC251