



PARTS LIST

AMPLIFIER BOARD ELECTRICAL PARTS LIST

Ref Desig	Description	Part No
C1	CAP., SM,330pF PORCEL.,5%,200V	1036-2B2331J2
C2	CAP., SM,43pF PORCEL.,5%,500V	1036-1B2430J5
C4	CAP., SM,150pF PORCEL.,5%,300V	1036-2B2151J3
C5	CAP., SM,220pF PORCEL.,5%,200V	1036-2B2221J2
C6	CAP., SM,120pF PORCEL.,5%,300V	1036-2B2121J3
C7	CAP., SM,120pF PORCEL.,5%,300V	1036-2B2121J3
C8	CAP., SM,68pF PORCEL., 5%,500V	1036-1B2680J5
C9	CAP., SM,68pF PORCEL., 5%,500V	1036-1B2680J5
C10	CAP., SM,39pF PORCEL.,+5%500V	1036-1B2390J5
C12	CAP.,TRIM. 1-20pF, STAND. >12T	1082-A1R0020K
C13	CAP., SM,330pF PORCEL.,5%,200V	1036-2B2331J2
C14	CAP., SM,20pF PORCEL., 5%,500V	1036-1B2200J5
C15	CAP., SM,39pF PORCEL.,+5%500V	1036-1B2390J5
C16	CAP., SM,39pF PORCEL.,+5%500V	1036-1B2390J5
C17	CAP., SM,39pF PORCEL.,+5%500V	1036-1B2390J5
C18	CAP., SM,20pF PORCEL., 5%,500V	1036-1B2200J5
C19	CAP., SM, 2.2pF CER., 0805,C0G	1008-0A229J1G
C20	CAP., SM, 100pF CER., 0805,C0G	1008-2A101J1G
C21	CAP., SM,100nF CER,0805,X7R,50	1008-5A104K5R
C22	CAP., SM, 330pF CER., 1206,C0G	1008-2B331J1G
C23	CAP., SM, 680pF CER., 1206,C0G	1008-2B681J1G
C24	CAP., SM, 1nF CER,0805,X7R,50V	1008-3A102K5R
C25	CAP., SM,10nF CER,0805,X7R,50V	1008-4A103K5R
C26	CAP., SM,100nF CER,0805,X7R,50	1008-5A104K5R
C27	CAP., SM, 330pF CER., 0805,C0G	1008-2A331J1G
C28	CAP., SM,330pF PORCEL.,5%,200V	1036-2B2331J2
C29	CAP., SM, 22uF TANT., 20%, 20V	1055-6D226M20
C30	CAP., SM, 22uF TANT., 20%, 20V	1055-6D226M20
C31	CAP., SM, 1nF CER., 1206, C0G	1008-3B102K1G
C32	CAP., SM, 1.0uF TANT., 20%,16V	1055-5A105M16
C33	CAP., SM, 330pF CER., 0805,C0G	1008-2A331J1G
C34	CAP.,SM,330nF CER,0805,X7R,25V	1008-5A334M3R
C35	CAP., SM, 330pF CER., 0805,C0G	1008-2A331J1G
C36	CAP., SM, 330pF CER., 0805,C0G	1008-2A331J1G
C37	CAP., SM, 1nF CER,0805,X7R,50V	1008-3A102K5R
C38	CAP.,SM,1.0uF CER,1206,X7R,25V	1008-6B105K3R

Ref Desig	Description	Part No
C39	CAP., SM, 330pF CER., 0805,C0G	1008-2A331J1G
C40	CAP., SM, 1nF CER,0805,X7R,50V	1008-3A102K5R
C41	CAP., SM,3.0pF PORCEL.,+- .25pF	1036-0B2309C5
C42	CAP., SM,10nF CER,0805,X7R,50V	1008-4A103K5R
C43	CAP., SM, 220pF CER., 0805,C0G	1008-2A221J1G
C44	CAP., SM, 220pF CER., 0805,C0G	1008-2A221J1G
C45	CAP., SM, 1.0uF TANT., 20%,35V	1055-5B105M35
C46	CAP., SM, 1nF CER,0805,X7R,50V	1008-3A102K5R
C47	CAP., SM, 330pF CER., 0805,C0G	1008-2A331J1G
D1	DIODE, MMBD701,HOT CARR.,SOT23	2105-MMBD7010
D2	DIODE, MMBD701,HOT CARR.,SOT23	2105-MMBD7010
D3	DIODE/ZEN,BZV55-C6V2,6.2V,SD80	2102-BZV556V2
D4	DIODE, MMBD701,HOT CARR.,SOT23	2105-MMBD7010
D5	DIODE, MMBD701,HOT CARR.,SOT23	2105-MMBD7010
D6	DIODE, MMBD701,HOT CARR.,SOT23	2105-MMBD7010
J1	CABLE, TYPE N JACK-OPEN, 9.7cm	7910-NJ603009
J2	CABLE, TYPE N JACK-OPEN, 7.7cm	7910-NJ602007
J3	SOCKET,SM,,2",4CCT,LK CLIP,15A	5023-S004SLCT
J4	SOCKET, 4 POS, DBL ROW/VERT,LC	5010-SS04DV1S
L1	INDUCTOR/AIR CORE,SM,17.5nH,6T	1254-1B17N01G
L10	CHOKE/RF, FERRITE, 2.5 TURNS	1211-43061025
L2	INDUCTOR/AIR CORE,SM,5nH,2TURN	1254-0A05N01G
L3	COIL, 1 TURN, 18AWG,6.40 mm ID	1220-1T001822
L4	COIL, 1 TURN, 18AWG, 6.40mm ID	1220-1T001818
L5	COIL, 3 TURNS,18AWG,6.35 mm ID	1220-3T001823
L6	COIL, 3 TURNS,18AWG,6.35 mm ID	1220-3T001823
L7	COIL, 3 TURNS,18AWG,6.35 mm ID	1220-3T001823
L8	COIL, 3 TURNS,18AWG,6.35 mm ID	1220-3T001823
L9	COIL, 4 TURNS,18AWG, 4.80mm ID	1220-4T001816
PCB	PCB, AMP, VHF/FM 30 WATT AMP	4321-80011103
Q1	MOSFET,RF,MRF1535T1,35W,TO-272	2043-MRF1535T
Q2	TRANSISTOR, BC817-25,NPN,SOT23	2120-BC817025
Q3	MOSFET, VP0610T,P CHAN.,SOT-23	2142-VP0610T0
Q4	MOSFET, 2N7002LT1,N-CHAN,SOT23	2142-2N7002L0
R1	RES., SM, 301R 2512, 1%,100ppm	1150-2E3010FP
R2	RES., SM, 301R 2512, 1%,100ppm	1150-2E3010FP
R3	RES., SM, 75R0 2512, 1%,100ppm	1150-1E75R0FP
R4	RES., SM, 75R0 2512, 1%,100ppm	1150-1E75R0FP
R5	RES., SM, 150R 2512, 1%,100ppm	1150-2E1500FP
R6	RES., SM, 49R9 0805, 1%,100ppm	1150-1A49R9FP
R7	RES., SM, 12R1 1206, 1%,100ppm	1150-1B12R1FP
R8	RES., SM, 12R1 1206, 1%,100ppm	1150-1B12R1FP
R9	RES., SM, 49K9 0805, 1%,100ppm	1150-4A4992FP
R10	RES., SM, 100K 0805, 1%,100ppm	1150-5A1003FP
R11	RES., SM, 2K21 0805, 1%,100ppm	1150-3A2211FP
R12	RES., SM, 475R 0805, 1%,100ppm	1150-2A4750FP
R13	RES., SM, 2K00 0805, 1%,100ppm	1150-3A2001FP
R14	RES., SM, 3K01 0805, 1%,100ppm	1150-3A3011FP
R15	RES., SM, 18K2 0805, 1%,100ppm	1150-4A1822FP
R17	RES., SM, 11K3 0805, 1%,100ppm	1150-4A1132FP
R18	RES., SM, 100K 0805, 1%,100ppm	1150-5A1003FP
R19	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP
R20	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP
R21	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP

Ref Desig	Description	Part No
R22	RES., SM, 1K00 0805, 1%,100ppm	1150-3A1001FP
R23	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP
R24	RES., SM, 18K2 0805, 1%,100ppm	1150-4A1822FP
R25	RES., SM, 100K 0805, 1%,100ppm	1150-5A1003FP
R26	RES., SM, 18K2 0805, 1%,100ppm	1150-4A1822FP
R27	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP
R28	RES., SM, 49R9 1206, 1%,100ppm	1150-1B49R9FP
R29	RES., SM, 49R9 1206, 1%,100ppm	1150-1B49R9FP
R30	RES., SM, 3K01 0805, 1%,100ppm	1150-3A3011FP
R31	RES., SM, 3K01 0805, 1%,100ppm	1150-3A3011FP
R32	RES., SM, 100K 0805, 1%,100ppm	1150-5A1003FP
RV1	POT., SM, 5K0, 12T, TOP ADJUST	1172-M20502W5
U1	IC,LM56BI,THERMOSTAT,D O/P,S08	2318-LM560N08
U2	IC,INA132, DIFFERENCE AMP,SO-8	2301-INA132N8
U3	IC, LP2951,PROG. VOLT REG,SO-8	2305-29510N08

CONTROL BOARD ELECTRICAL PARTS LIST

Ref Desig	Description	Part No
C1	CAP., SM,100nF CER,0805,X7R,50	1008-5A104K5R
C2	CAP., SM,100nF CER,0805,X7R,50	1008-5A104K5R
C3	CAP., SM, 330pF CER., 0805,C0G	1008-2A331J1G
C4	CAP., SM,100nF CER,0805,X7R,50	1008-5A104K5R
C5	CAP.,SM,330nF CER,0805,X7R,25V	1008-5A334M3R
C6	CAP., SM, 330pF CER., 0805,C0G	1008-2A331J1G
C7	CAP., SM,100nF CER,0805,X7R,50	1008-5A104K5R
C8	CAP., SM, 330pF CER., 0805,C0G	1008-2A331J1G
C9	CAP., SM,100nF CER,0805,X7R,50	1008-5A104K5R
C10	CAP., SM,100nF CER,0805,X7R,50	1008-5A104K5R
C11	CAP., SM,100nF CER,0805,X7R,50	1008-5A104K5R
C12	CAP., SM, 330pF CER., 0805,C0G	1008-2A331J1G
C13	CAP., SM,100nF CER,0805,X7R,50	1008-5A104K5R
C14	CAP., SM, 330pF CER., 0805,C0G	1008-2A331J1G
C15	CAP., SM, 10uF TANT., 10%, 35V	1055-6D106K35
C16	CAP., SM, 10uF TANT., 10%, 35V	1055-6D106K35
C17	CAP., SM, 1nF CER,0805,X7R,50V	1008-3A102K5R
C18	CAP., SM,100nF CER,0805,X7R,50	1008-5A104K5R
C19	CAP., SM, 2.2uF TANT., 10%,20V	1055-5B225K20
C20	CAP., SM, 1nF CER,0805,X7R,50V	1008-3A102K5R
D1	DIODE, MMBD701,HOT CARR.,SOT23	2105-MMBD7010
D2	DIODE, MMBD701,HOT CARR.,SOT23	2105-MMBD7010
D3	DIODE, MMBD701,HOT CARR.,SOT23	2105-MMBD7010
D4	DIODE,1SMC15AT3,15V TRANS. SUP	2107-1SMC15AT
J1	HEADER, .1",2CCT,R/A PCB,.120"	5021-H602L025
LED1	LED, RED, R/A PC MNT., NYLON	2017-391N05RD
LED2	LED, RED, R/A PC MNT., NYLON	2017-391N05RD
LED3	LED, RED, R/A PC MNT., NYLON	2017-391N05RD
LED4	LED, RED, R/A PC MNT., NYLON	2017-391N05RD
LPF13	FILTER,SM,Pi,EM/RFI,2000pF,10A	1306-P202CAA1
P1	CONNECTOR, F/48 MALE, R/A PCB	3720-6048M0RA
P3	HEADER/STACKER,.2",4 PIN,15AMP	5023-ST045525
P4	BOARD STACKER,.1",2X4,.625"HGT	5019-504E625S
PCB	PCB,CONTROL,VHF/FM 30 WATT AMP	4321-80011303
Q1	MOSFET, 2N7002LT1,N-CHAN,SOT23	2142-2N7002L0
Q2	MOSFET, 2N7002LT1,N-CHAN,SOT23	2142-2N7002L0
Q3	TRANSISTOR, BC817-25,NPN,SOT23	2120-BC817025
Q4	TRANSISTOR, BC817-25,NPN,SOT23	2120-BC817025
Q5	TRANSISTOR, BC817-25,NPN,SOT23	2120-BC817025
Q6	TRANSISTOR, BC817-25,NPN,SOT23	2120-BC817025
Q7	MOSFET, D5P06V, P-CHAN., D-PAK	2144-D5P06V00
Q8	TRANSISTOR, BC817-25,NPN,SOT23	2120-BC817025
Q9	MOSFET,MTD20P03HDL,P-CHAN,DPAK	2144-D20P03DP
Q10	MOSFET,MTD20P03HDL,P-CHAN,DPAK	2144-D20P03DP
R1	RES., SM, 178K 0805, 1%,100ppm	1150-5A1783FP
R2	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP
R3	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP
R4	RES., SM, 274K 0805, 1%,100ppm	1150-5A2743FP
R5	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP

Ref Desig	Description	Part No
R6	RES., SM, 3K48 1206, 1%,100ppm	1150-3B3481FP
R7	RES., SM, 3K48 1206, 1%,100ppm	1150-3B3481FP
R8	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP
R9	RES., SM, 30K9 0805, 1%,100ppm	1150-4A3092FP
R10	RES., SM, 15K0 0805, 1%,100ppm	1150-4A1502FP
R11	RES., SM, 13K3 0805, 1%,100ppm	1150-4A1332FP
R12	RES., SM, 27K4 0805, 1%,100ppm	1150-4A2742FP
R13	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP
R14	RES., SM, 274K 0805, 1%,100ppm	1150-5A2743FP
R15	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP
R16	RES., SM, 3K48 1206, 1%,100ppm	1150-3B3481FP
R17	RES., SM, 3K48 1206, 1%,100ppm	1150-3B3481FP
R18	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP
R19	RES., SM, 274K 0805, 1%,100ppm	1150-5A2743FP
R20	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP
R21	RES., SM, 3K48 1206, 1%,100ppm	1150-3B3481FP
R22	RES., SM, 3K48 1206, 1%,100ppm	1150-3B3481FP
R23	RES., SM, 20K0 0805, 1%,100ppm	1150-4A2002FP
R24	RES., SM, 274K 0805, 1%,100ppm	1150-5A2743FP
R25	RES., SM, 10K0 0805, 1%,100ppm	1150-4A1002FP
R26	RES., SM, 3K48 1206, 1%,100ppm	1150-3B3481FP
R27	RES., SM, 3K48 1206, 1%,100ppm	1150-3B3481FP
R28	RES., SM, 178K 0805, 1%,100ppm	1150-5A1783FP
R29	RES., SM, 49K9 0805, 1%,100ppm	1150-4A4992FP
R30	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
R31	RES., SM, 274K 0805, 1%,100ppm	1150-5A2743FP
R32	RES., SM, 100K 1206, 1%,100ppm	1150-5B1003FP
R33	RES., SM, 2K21 1206, 1%,100ppm	1150-3B2211FP
R34	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
R35	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
R36	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
R37	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
R38	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
R39	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
R40	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
R41	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
R42	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
R43	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
R44	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
R45	RES., SM, ZERO OHM JUMPER,1206	1150-0B0R0000
RV1	POT.,SM/4mmSQ,50K,MULT/TRN, TOP	1174-DM3503W0
RV2	POT.,SM/4mmSQ,50K,MULT/TRN, TOP	1174-DM3503W0
RV3	POT.,SM/4mmSQ,50K,MULT/TRN, TOP	1174-DM3503W0
SW1	SWITCH, TOG./DPDT,O-N-O,PC,R/A	5215-T2010A01
U1	IC, MC33172, DUAL OP AMP, SO-8	2302-33172N08
U2	IC, MC33174, QUAD OP AMP,SO-14	2304-33174N14
U3	IC,MAX5902AB,HOT SWAP CT,SOT23	2339-5902AB23
U4	IC, 4093, QUAD NAND/SCHM,SO-14	2375-40930N14
U5	IC, 4027, DUAL J-K F/F, SO-16	2375-40270N16
U6	IC, 78M12B, +12V REGULATOR,DPAK	2305-7812B0DP

MECHANICAL PARTS LIST

Description	Part No	Qty
BLOCK, BACK SUPPORT,POWER AMPS	3702-64202110	1
BLOCK,FRONT SUPPORT,POWER AMPS	3702-64202105	1
CABLE, N PLG-PLG,RG223/U, 37cm	CBL223-NP0NP037	1
CASE, 14HP RF PLUG-IN, PWR AMP	3702-62502030	1
FAN, 12VDC/20 CFM, 60*60*25 mm	6510-60251220	1
FASTENER, QUICK RELEASE, GRAY	3702-10000120	4
GASKET, BeCu,3FINGER,.71",CLIP	5630-12023250	2
GUARD, FOR 60mm SQ. FAN, STEEL	6519-60602R0S	1
HANDLE, FRONT PANEL, 28HP,GREY	3702-10000628	1
HEATSINK, POWER AMP,6.25"L,BLK	5593-20105940	1
HOUSING, 0.1",2 POS.,FEM. TERM	5021-HF02L002	1
LABEL SET, FOIL,RF MODULE INFO	3501-27101000	1
LABEL/LEXAN, 28HP, VHF: RED	3536-10212805	1
LOCKWASHER, M3, SPLIT,A2 STEEL	5814-3M0LK00S	4
LOCKWASHER, M3, SPLIT,A2 STEEL	5814-3M0LK00S	12
LOCKWASHER, M3, SPLIT,A2 STEEL	5814-3M0LK00S	4
LOCKWASHER, M4, SPLIT,A2 STEEL	5814-4M0LK00S	2
NAMEPLATE, BLANK, 28HP, GREY	3702-10001228	1
NUT, M2.5, SQUARE-5mm, ZINC	5813-2M5SQ50Z	2
NUT, M4, HEX, 6.9mm FLATS, A2	5813-4M0HX69S	2
NUT, PRESS,M2.5,5.6mmOD,PC MNT	5833-T2M55615	2
PANEL, REAR,POS.4,14HP EXTRSN.	3702-63002101	1
PANEL/FRNT,W/IDENT:AM/V/UHF PA	3802-61002015	1
SCREW, M2.5 x 10 PAN/PHIL, A2	5812-2M5PP10S	2
SCREW, M2.5 x 12 FLAT/PHIL, A2	5812-2M5FP12S	2
SCREW, M3 X 10, FLAT/PHIL., A2	5812-3M0FP10S	4
SCREW, M3 X 10, PAN/PHIL., A2	5812-3M0PP10S	12
SCREW, M3 X 10, PAN/PHIL., A2	5812-3M0PP10S	4
SCREW, M3 X 6, FLAT/PHIL., A2	5812-3M0FP06S	8
SCREW, M3 x 8, PAN/PHIL, BLACK	5812-3M0PP08T	4
SCREW, M3 x 8,OVAL C/S/PHIL,A2	5812-3M0VP08S	7
SCREW, M4 X 35, PAN/PHIL., A2	5812-4M0PP35S	2
SHIELD, POWER AMP, LPF, LID	3702-67302135	1
SHIELD, POWER AMP, LPF, WALL	3702-67302130	1
TERMINAL, CRIMP, FEM.,22-24,Au	5021-TF22B002	2
TIE STRAP, .1"W x3",LOCK.,NYL.	5660-1003L01N	1
TUBING, PVC-105C, 8 AWG, CLEAR	7602-105C08CL	0.23
WASHER, FLAT, M3, 9.0mm OD, A2	5814-3M0FL90S	2