

Parts List

Reference	Description	Part #
C1,C5,C6,C9,C10,C12,C15,C18,C35,C37	1 μ Fd chip capacitor	1010-03-5104
C2	22 μ Fd 16V tantalum chip capacitor	1610-25-6226
C3,C27	.047 μ Fd chip capacitor	1010-03-5473
C7,C8,C13,C41	220pFd chip capacitor	1010-03-5221
C11	.0033 μ Fd chip capacitor	1010-03-5332
C16	1000pFd chip capacitor	1010-03-5102
C17	.0022 μ Fd chip capacitor	1010-03-5222
C19,C20	22pFd chip capacitor	1010-03-5220
C40	0.5pFd chip capacitor	1010-03-5050
C21A,C21B	6.8 μ Fd tantalum chip capacitor	1610-05-6685
C22,C32,C33,C34	100 μ Fd electrolytic cap	1400-08-7107
C21,C23,C24,C25,C26	0.47 μ Fd tantalum chip capacitor	1610-04-6474
C28,C29,C36	1.0 μ Fd tantalum chip capacitor	1610-04-6105
C14,C30,C38	2.2 μ Fd tantalum chip capacitor	1610-04-6225
D1,D2,D3,D6	BAV99 dual diode SOT23	3110-01-0099
D4,D5	Schotkey diode SOT23	3110-01-0301
DS4/DS5	8 position multi-color LED	4003-08-0200
F1	2A SMT Pica fuse	2610-04-0020
JP1	0.1" 3 position vertical header	7300-53-0103
P1	DB-9 M right angle PCB	7400-00-0011
P2	0.1" 14 position vertical header	7300-83-0114
P3	2.5mm RA programming jack	7401-02-0250
P4	3.5mm RA speaker jack	7401-02-0051
Q1,Q2,Q6,Q7,Q9,Q10	2N4401 NPN transistor SOT23	3010-01-4401
Q3	IRF-9540 P Ch MOSFET TO220	3300-08-9540
Q4	TIP 32 PNP transistor TO220	3000-08-0032
Q5	2N4403 PNP transistor SOT23	3010-01-4403
Q8	NPN Darlington SOT23	3010-01-0038
RV1,RV8,RV9,RV10	10K 3mm SMT pot	2030-08-8103
RV2,RV3,RV5,RV7	100K 3mm SMT pot	2030-08-8104
RV4	20K 3mm SMT pot	2030-08-8203
RV6	200K 3mm SMT pot	2030-08-8204
R82	10 Ohm chip resistor	2010-03-5100
R10,R23,R41,R52,R76	10K chip resistor	2010-03-5103
R8,R11,R16,R21,R22,R24,R26,R30,R35,R44, R47,R53,R66,R73	100K chip resistor	2010-03-5104
R1,R2,R4,R6,R15,R17,R18,R31,R36,R74,R83	22K chip resistor	2010-03-5223
R3,R12,R13,R65,R72,R87	2.2K chip resistor	2010-03-5222
R5,R14,R86	820 Ohm chip resistor	2010-03-5821
R7,R48,R49,R63,R71	5.6K chip resistor	2010-03-5562
R9,R81	56K chip resistor	2010-03-5563
R19,R20	470K chip resistor	2010-03-5474
R25,R29,R34,R51	1.0M chip resistor	2010-03-5105
R27,R33,R37,R38,R45,R46,R85	33K chip resistor	2010-03-5333
R32,R70	27K chip resistor	2010-03-5273
R39,R40	150K chip resistor	2010-03-5154
R42	330K chip resistor	2010-03-5334

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R50,R77-R80	15K chip resistor	2010-03-5153
R54-R62,R64	330 Ohm chip resistor	2010-03-5331
R68,R69	4.7K chip resistor	2010-03-5472
R43	68K chip resistor	2010-03-5683
R67	8.2 Ohm 1W resistor	2000-10-5829
U1	TS922 dual op-amp	3410-01-0922
U2,U3	MC3403 quad op-amp	3410-01-3403
U4	MX-806ALH audio processor	3710-02-0806
U5	MX-805ALH sub-audio processor	3710-02-0805
U6	LM386 audio amp	3410-01-0386
U7	LM7805 1A regulator	3400-08-7805
U8	LM7809CV 1.5A regulator	3400-08-7809
U9	CD4094 shift register	3410-01-4094
U10	93C46 1Kbit Serial E ² PROM.....	3610-01-9346
U11	MCP101-450 reset controller	3410-11-0450
U12	AT89C52-12JC Microprocessor	3610-02-8952
U13	LM321 opamp	3410-12-0321
X1	4.032 MHz HC18/U	6000-07-4032
VAR1	18V MOV	2580-02-0018
	Extruded aluminium case	8100-01-5010
	Aluminium end panel	8200-04-5010
	ABS Plastic front panel.....	8200-03-2502
	TNC PCB mount RA connector	7401-02-0007
	10ft. radio cable with DB-9F conn.	7500-10-1001
	Shorting block for JP1	7200-03-0102
	TP1, RF Ant connection	7300-13-0101
	Mounting bracket	9600-05-0001
	RF interconnect board.....	9100-00-0001
	4-40 SS jack screw	8000-42-4404
	8-32 x 1/4" SS philips	8000-24-8324
	4-40 x 3/8" SS cap screw	8000-34-4406
	4-40 SS nut	8000-54-4400
	4-40 x 1/4" SS philips	8000-24-4404
	2-56 x 3/16" SS philips	8000-24-2563
	4-40 x 3/16" SS philips	8000-24-4403
	2-56 x 1/8" aluminium spacer	8000-65-2562
	Aluminium heat sink (U7 & U8)	8400-05-0001
	Right Angle heat sink (RF module)	8400-05-0007