

Item	Qty	Part Type	Description	Mfg Part #	Manufacturer	Reference	Value	TOL.	Dielectric	Voltage/Pow	PCB Decal
1	2	150GA332KB	0603 SIZE CERAMIC CAPACITOR			C46 C107	.0033uF	10%	X7R	50V	603
2	3	150GA392JB	0603 SIZE CERAMIC CAPACITOR			C66 C175 C176	.0039uF	5%	X7R	50V	603
3	13	150GA103KB	0603 SIZE CERAMIC CAPACITOR			C2 C5 C6 C8 C13 C15 C25 C26 C81 C93 C96 C147 C172	.01uF	10%	X7R	50V	603
4	1	150GA223KB	0603 SIZE CERAMIC CAPACITOR			C47	.022uF	10%	X7R	50V	603
5	1	150DF224KB	0805 SIZE CERAMIC CAPACITOR			C148	.22uF	10%	X7R	16V	805
6	42	150GC104KB	0603 SIZE CERAMIC CAPACITOR			C1 C4 C14 C22 C33 C40 C64 C71 C72 C73 C77 C85 C92 C94 C100 C111 C114 C117 C122 C136 C138 C139 C140 C142 C146 C160 C161 C162 C163 C164 C165 C166 C167 C168 C169 C171 C177 C179 C181 C188 C189 C190	.1uF	10%	X7R	16V	603
7	1	150GB158BA	0603 SIZE CERAMIC CAPACITOR			C55	1.5pF	.1pF	NPO	100V	603
8	8	150GB102JB	0603 SIZE CERAMIC CAPACITOR			C7 C68 C69 C121 C124 C157 C158 C178	1000pF	5%	X7R	100V	603
9	1	150GD102FA	0603 SIZE CERAMIC CAPACITOR			C80	1000pF	1%	NPO	25V	603
10	23	150GA101JA	0603 SIZE CERAMIC CAPACITOR			C3 C10 C11 C36 C43 C48 C49 C67 C87 C91 C97 C102 C108 C118 C119 C120 C126 C134 C135 C151 C154 C180 C182	100pF	5%	NPO	50V	603
11	1	150GB100JA	0603 SIZE CERAMIC CAPACITOR			C159	10pF	5%	NPO	100V	603
12	2	150GB120JA	0603 SIZE CERAMIC CAPACITOR			C51 C109	12pF	5%	NPO	100V	603
13	1	150GA150JA	0603 SIZE CERAMIC CAPACITOR			C60	15pF	5%	NPO	50V	603
14	1	150GB151JA	0603 SIZE CERAMIC CAPACITOR			C98	150pF	5%	NPO	100V	603
15	3	150GA271JA	0603 SIZE CERAMIC CAPACITOR			C65 C112 C115	270pF	5%	NPO	50V	603
16	3	150GB270JA	0603 SIZE CERAMIC CAPACITOR			C45 C84 C90	27pF	5%	NPO	100V	603
17	1	150GA228CA	0603 SIZE CERAMIC CAPACITOR			C52	2.2 pF	.25pF	NPO	50V	603
18	1	150GB398CA	0603 SIZE CERAMIC CAPACITOR			C54	3.9 pF	.25pF	NPO	100V	603
19	1	150GB330JA	0603 SIZE CERAMIC CAPACITOR			C61	33pF	5%	NPO	100V	603
20	8	150GB471KB	0603 SIZE CERAMIC CAPACITOR			C38 C39 C41 C42 C127 C128 C131 C132	470pF	10%	X7R	100V	603
21	10	150GB470JA	0603 SIZE CERAMIC CAPACITOR			C18 C19 C20 C70 C103 C104 C110 C133 C155 C156	47pF	5%	NPO	100V	603
22	4	150GB568BA	0603 SIZE CERAMIC CAPACITOR			C56 C57 C141 C143	5.6pF	.1pF	NPO	100V	603
23	6	150GB560JA	0603 SIZE CERAMIC CAPACITOR			C24 C34 C50 C58 C191 C192	56pF	5%	NPO	100V	603
24	1	150GB688BA	0603 SIZE CERAMIC CAPACITOR			C59	6.8pF	.1pF	NPO	100V	603
25	2	150GB828BA	0603 SIZE CERAMIC CAPACITOR			C153 C170	8.2pF	.1pF	NPO	100V	603
26	1	150GA681KB	0603 SIZE CERAMIC CAPACITOR			C106	680pF	10%	X7R	50V	603
27	5	150GB820JA	0603 SIZE CERAMIC CAPACITOR			C9 C16 C21 C23 C82	82pF	5%	NPO	100V	603
28	8		0603 SIZE CERAMIC CAPACITOR			C83 C105 C145 C183 C184 C193 C194 C195	NP				
29	1	151AD226KC	SMT TANTALUM CAPACITOR			C32	22uF	10%		16V	6032
30	7	151DC156KA	SMT TANTALUM CAPACITOR			C12 C17 C86 C113 C116 C185 C186	15uF	10%		10V	3216
31	6	151AD106KB	SMT TANTALUM CAPACITOR			C27 C44 C75 C79 C95 C125	10uF	10%		16V	3528
32	1	151AC107MD	SMT TANTALUM CAPACITOR			C31	100uF	20%		10V	7243
33	1	151AD474KA	SMT TANTALUM CAPACITOR			C35	.47uF	10%		16V	3216
34	2	151AB227MD	SMT TANTALUM CAPACITOR			C76 C173	220uF	20%		6.3V	7243
35	3	151BF106MC	SMT ALUMINUM ELECTROLYTIC CAPACITOR			C78 C99 C187	10uF	20%		35V	CSABC
36	3	151BD107MD	SMT ALUMINUM ELECTROLYTIC CAPACITOR			C89 C123 C144	100uF	20%		16V	CSABD
37	5	151BG105KB	SMT ALUMINUM ELECTROLYTIC CAPACITOR			C62 C74 C88 C101 C149	1uF	10%		50V	CSABB
38	1	151BG225MB	SMT ALUMINUM ELECTROLYTIC CAPACITOR			C63	2.2uF	20%		50V	CSABB
39	8	151CG106MD	Non-polarized Electrolytic Capacitor			C28 C29 C30 C37 C129 C130 C150 C174	10uF	20%		50V	CSABD
40	1		TANTALUM CAPACITOR			C137	NP				CSABB
41	1	152E04	SMT TRIMMER CAPACITOR NPO	TZV2R200A110	MURATA ERIE	C152	4.5-20 pF				TCAPV02
42	1	152A07	SMT TRIMMER CAPACITOR NPO	JS010	VOLTRONICS	C53	4-1.0 pF				TCAPV02
43	1	184A07	SILICON ZENER DIODE	MMBD2836LT1	ON SEMICONDUCTOR	D16					SOT23
44	15	184A08	DUAL SWITCHING DIODE	MMBD7000L	ON SEMICONDUCTOR	D1 D2 D4 D5 D6 D8 D9 D10 D11 D12 D13 D17 D18 D19 D20					SOT23
45	1	184A36	SMT VARACTOR DIODE	BB545	SIEMENS	D3					SOD323
46	1	184A16	1 AMP SCHOTTKY DIODE	MBRS140T3	ON SEMICONDUCTOR	D7				40V	403A03
47	1	140C15	CERAMIC RESONATOR W/CAPS	CSTCC4.00MG-TC	MURATA ERIE	FL1	4.0MHz				CERRES
48	1	140A26	SMT QUARTZ CRYSTAL	TN4-25702	TOYOCOM	CR1	16.MHz	10ppm			TSX-8A
49	2	95A8744	XLR CONNECTOR (MALE)	NC3MAH	Neutrik	J1 J7					XLRM90
50	1	95A8278	MINI RF PIN JACK	TMP-J01X-V6	NA RAE CORPORATION; KOREA	J2					VCOAXJAC
51	2	95A8877	XLR+1/4" PHONE COMBO (FE) NON-LATCHING	NCJ9FI-H-O	NEUTRIK	J3 J4					XLRCOMBO
52	1	95B8854	BOARD MOUNT PIVOTING ANTENNA ROD	????	GacruX Co.	A1	NP				ANTRD
53	1	95A8328	DC POWER JACK	SCD438CCS011000	SHIUA CHYUAN PRECISION	J8					P166
54	1	162AE56	SMT INDUCTOR	LL1608-FSR15K	TOKO	L1	150nH	10%			L603SM
55	10	162A12	SMT FERRITE BEAD	BLM21A601SPT	MURATA ERIE	L2 L3 L4 L5 L11 L12 L13 L14 L15 L19					805
56	1	162A03	SMT FERRITE BEAD	BLM31A700SPT	MURATA ERIE	L10					805
57	3	162AC56	SMT INDUCTOR	LL1608-FSR10J	TOKO	L6 L7 L8	100nH	5%			L603SM
58	1	162M56	SMT INDUCTOR	LL1608-FS10NJ	TOKO	L9	10nH	5%			L603SM
59	2	162R56	SMT INDUCTOR	LL1608-FS18NJ	TOKO	L17 L18	18nH	5%			L603SM
60	1	162B20	SMT MINISPRING INDUCTOR	A02TJ	COILCRAFT	L16	5.0nH	5%			SPRINGIND
61	1	86A8444	SINGLE EIGHT SEGMENT LED DISPLAY	SA56-11GWA-SBI	KINGBRIGHT	LED1					8SEGSNGL
62	2	184A39	BI-COLOR SMT LED RED/GREEN	597-7701-507	Dialight	LED5 LED6					MLED507
63	1	184B18	Surface Mount LED	AY1102W-TR	Stanley	LED7					LED110
64	2	95A8947	RIGHT ANGLE LIGHT PIPE	515-1039	DIALIGHT	Z1 Z2					
65	1	183A24	GENERAL PURPOSE NPN TRANSISTOR	MMBT2222ALT1	ON SEMICONDUCTOR	Q1					SOT23
66	2	183A46	POWER MOSFET	NDS355NCT	FAIRCHILD	Q7 Q10					SOT23
67	5	183A01	GENERAL PURPOSE PNP TRANSISTOR	MMBT5087L	ON SEMICONDUCTOR	Q2 Q3 Q8 Q9 Q11					SOT23
68	2	183A48	RF NPN TRANSISTOR	NE85630	NEC CAL EASTERN LABS	Q5 Q6					SOT323
69	9	145FF000	0603 SIZE SMT 0 OHM JUMPER			R14 R28 R96 R109 R148 R149 R163 R178 R182 R163 from pop option table	00HM				0603
70	3	145FF1000	0603 SIZE SMT RESISTOR			R9 R11 R179	100	1%			0603
71	5	145FF1001	0603 SIZE SMT RESISTOR			R91 R103 R130 R157 R171	1.00K	1%			0603

72	17	145FF1002	0603 SIZE SMT RESISTOR			R5 R12 R47 R48 R51 R63 R67 R75 R77 R89 R90 R95 R105 R108 R152 R169 R170	10.0K	1%			0603	
73	12	145FF1003	0603 SIZE SMT RESISTOR			R37 R59 R82 R97 R99 R116 R118 R119 R129 R135 R146 R151	100K	1%			0603	
74	2	145FF1004	0603 SIZE SMT RESISTOR			R62 R88	1.00M	1%			0603	
75	4	145FF10R0	0603 SIZE SMT RESISTOR			R3 R4 R176 R177	10.0	1%			0603	
76	2	145FF1212	0603 SIZE SMT RESISTOR			R64 R66	12.1K	1%			0603	
77	2	145FF1500	0603 SIZE SMT RESISTOR			R32 R192	150	1%			0603	
78	11	145FF1501	0603 SIZE SMT RESISTOR			R15 R38 R68 R69 R70 R71 R72 R113 R187 R188 R189	1.50K	1%			0603	
79	1	145FF1502	0603 SIZE SMT RESISTOR			R25	15.0K	1%			0603	
80	4	145FF16R5	0603 SIZE SMT RESISTOR			R16 R17 R18 R26			R26 from pop option table	16.5	1%	0603
81	1	145FF1652	0603 SIZE SMT RESISTOR			R73	16.5K	1%			0603	
82	1	145FF1822	0603 SIZE SMT RESISTOR			R161	18.2K	1%			0603	
83	2	145FF1821	0603 SIZE SMT RESISTOR			R133 R134	1.82K	1%			0603	
84	2	145FF2001	0603 SIZE SMT RESISTOR			R61 R76	2.00K	1%			0603	
85	3	145FF2002	0603 SIZE SMT RESISTOR			R120 R132 R154	20.0K	1%			0603	
86	1	145FF2211	0603 SIZE SMT RESISTOR			R141	2.21K	1%			0603	
87	1	145FF2210	0603 SIZE SMT RESISTOR			R54	221	1%			0603	
88	5	145FF22R1	0603 SIZE SMT RESISTOR			R24 R104 R106 R137 R138	22.1	1%			0603	
89	3	145FF2212	0603 SIZE SMT RESISTOR			R6 R84 R168	22.1K	1%			0603	
90	2	145FF2490	0603 SIZE SMT RESISTOR			R2 R139	249	1%			0603	
91	5	145FF2491	0603 SIZE SMT RESISTOR			R80 R81 R160 R162 R172	2.49K	1%			0603	
92	4	145FF2492	0603 SIZE SMT RESISTOR			R30 R42 R112 R147	24.9K	1%			0603	
93	8	145FF3011	0603 SIZE SMT RESISTOR			R57 R58 R78 R79 R144 R145 R173 R174	3.01K	1%			0603	
94	2	145FF24R3	0603 SIZE SMT RESISTOR			R19 R20			from pop option table	24.3	1%	0603
95	2	145FF3012	0603 SIZE SMT RESISTOR			R125 R155	30.1K	1%			0603	
96	2	145FF3322	0603 SIZE SMT RESISTOR			R36 R98	33.2K	1%			0603	
97	1	145FF3921	0603 SIZE SMT RESISTOR			R53	3.92K	1%			0603	
98	1	145FF40R2	0603 SIZE SMT RESISTOR			R21			from pop option table	40.2	1%	0603
99	4	145FF4020	0603 SIZE SMT RESISTOR			R121 R122 R123 R124	402	1%			0603	
100	1	145FF4021	0603 SIZE SMT RESISTOR			R74	4.02K	1%			0603	
101	1	145FF4321	0603 SIZE SMT RESISTOR			R52	4.32K	1%			0603	
102	2	145FF49R9	0603 SIZE SMT RESISTOR			R158 R191	49.9	1%			0603	
103	1	145FF4990	0603 SIZE SMT RESISTOR			R100	499	1%			0603	
104	5	145FF4991	0603 SIZE SMT RESISTOR			R33 R49 R87 R115 R117	4.99K	1%			0603	
105	20	145FF4992	0603 SIZE SMT RESISTOR			R7 R8 R10 R13 R23 R39 R43 R50 R55 R56 R101 R126 R127 R142 R143 R153 R166 R175 R180						
106	1	145FF4993	0603 SIZE SMT RESISTOR			R181			R7 39 43 from pop option table	49.9K	1%	0603
107	3	145FF6041	0603 SIZE SMT RESISTOR			R34	499K	1%			0603	
108	1	145FF7500	0603 SIZE SMT RESISTOR			R65 R85 R86	6.04K	1%			0603	
109	1	145FF7681	0603 SIZE SMT RESISTOR			R1	750	1%			0603	
110	1	145FF7502	0603 SIZE SMT RESISTOR			R140	7.68K	1%			0603	
111	1	145FF8251	0603 SIZE SMT RESISTOR			R83	75.0K	1%			0603	
112	2	145FF9091	0603 SIZE SMT RESISTOR			R136	8.25K	1%			0603	
113	21	R0603	0603 SIZE SMT RESISTOR			R128 R156	9.09K	1%			0603	
114	1	R1206	1206 SIZE SMT RESISTOR			R22 R27 R29 R31 R44 R60 R92 R93 R94 R102 R107 R110 R111 R131 R159 R164 R165 R167						
115	2	145BJ1R0	0805 SIZE SMT RESISTOR			R183 R184 R190			R22 27 29 31 44 164 165 from pop option table	NP		1206
116	3	145AF2870	1206 SIZE SMT RESISTOR			R40	NP				0805	
117	2	46A8072	DUAL POTENTIOMETER AUDIO TAPER	RK16312A0-100KAX2	ALPS	R185 R186	1.00	5%			0805	
118	1	146F02	SMT TRIM POT	3304W1203	Bourns, Inc.	R41 R45 R46	287	1%			1206	
119	1	55C8105	MOMENTARY MINIATURE KEY SWITCH	PTS645VH83	C&K	R114 R150	100K	20%			ALP100KX2	
120	1	188A418A	8 BIT OTP CMOS MICROCONTROLLER	PIC16C622A-04/SS	MICROCHIP	U1			requires programming		SSOP20	
121	7	188A18	DUAL OP AMP	MC33178D	Motorola	U8 U9 U10 U11 U15 U23 U24					SO8	
122	1	188A01	DUAL COMPANDOR	SA571D-T	PHILIPS	U13					SOIC16W	
123	1	188A123	QUAD COMPARATOR	LP339MX	NATIONAL SEMI	U16					SOIC14	
124	1	188A136	DUAL COMPARATOR	LP393MX	NATIONAL SEMI	U25					SOIC14	
125	1	188A388	DUAL FREQUENCY SYNTHESIZER	LMX2335LSLB	NATIONAL	U19				1.1GHz	CSP-SLB16A	
126	1	188C216	8-BIT SERIAL TRI-STATE SHIFT REGISTER	MC74HC595ADT	ON SEMICONDUCTOR	U2					TSSOP16	
127	1	188A313	5TH ORDER LOWPASS FILTER	MAX7411CUA	MAXIM	U20					SSOP8	
128	3	188A204	ADJ POSITIVE VOLTAGE REGULATOR	LM317MDT	Motorola	U3 U12 U18					DPACK	
129	1	188A431	GENERAL PURPOSE LOW NOISE AMPLIFIER	RF2314	RF MICRO DEVICES	U4					SOT23-5	
130	1	188A417	128 BIT I2C BUS SERIAL EEPROM	24LC00/OT	MICROCHIP	U5					SOT23-5	
131	1	188A455	GENERAL PURPOSE AMPLIFIER	MSA-2743	Agilent	U6					SOT23-5	
132	1	188A118	DUAL OP AMP	TLC2272ACD	Texas Instruments	U7					SIP8	
133	2	188A49	QUAD OP AMP	MC33179D	MOTOROLA	U14 U22					SOIC14	
134	1	86B9010	VOLTAGE CONTROLLED AMPLIFIER	THAT2180LB	THAT CORP	U21				.02% THD		
135	1	53A8482	RF SHIELD VCO			SF2	0.6 by 0.6 by .16" see fab drawing xxxxxx			NP		
136	1	53A8547C	RF SHIELD 2			SF1	see fab drawing xxxxxx			NP		
137	1	53B8538D	RF SHIELD 3 FROM RCVR			SF3	see fab drawing xxxxxx			NP		
138	2	53A8549D	ESD BRACKET FOR VOLUME CONTROL			SF4						
139	1	PCB	BARE PRINTED CIRCUIT BOARD	34A8714 REV C	TBD	PCB1					PCBNULL	
140	1		1/4" LONG 4-40 PHILIPS ROUND HEAD MACHINE SCREW				FOR ANTENNA ROD ABOVE					

"NP" IN THE VALUE FIELD INDICATES PART POSITION NOT POPULATED