

<u>Item</u>	<u>Quantity</u>	<u>Reference</u>	<u>Description</u>	<u>Part Number</u>	<u>Manufacturer</u>
1	2	C137, C139	X-Case; Tant.Cap.; 100uF. 10V, +/-20%.	TAJX107M010R	AVX.
2	55	C13,C20,C21,C22,C23,C24, C25,C26,C27,C28,C29,C30, C31,C32,C33,C34,C35,C36, C38,C39,C40,C41,C42,C43, C44,C45,C46,C48,C49,C52, C56,C59,C60,C61,C62,C63, C65,C67,C72, C75,C77,C79,C84,C107, C108,C118,C119,C124,C127,C131 C138, C144,C145,C146,C147	0402; Cap.; 0.1uF, X5R, 10V, +/-10%.	X5R0402ATTD104K	KOA Speer.
3	12	C14,C55,C58,C99,C113,C129 C148,C153,C154,C161,C170,C188	0402; Cap.; 0.01uF, X7R, 50V, +/-10%.	X7R0402ATTD103K	KOA Speer.
4	2	C15,C197	0402; Cap.; 1000pF, X7R, 50V, +/-10%.	X7R0402ATTD102K	KOA Speer.
5	9	C9,C47,C64,C91,C155,C158 C162,C169,C179	P-Case;Tant.Cap.; 10uF. 6.0V, +/-10%.	TAJR106K006R	AVX.
6	2	C51,C50	0402; Cap.; 47pF, NPO, 50V, +/-2%.	04025A470GAT2A	AVX.
7	2	C57,C53	0402; Cap.; 82pF, NPO, 50V, +/-2%.	04025A820GAT2A	AVX.
9	3	C163,C181,C183	0402; Cap.; 2.2pF, NPO, 50V, +/-5%.	04025A2R2BAT2A	AVX.
11	2	C109,C115	0402; Cap.; 12pF, NPO, 50V, +/-2%.	04025A120GAT2A	AVX.
12	3	C184,C185,C187	0402; Cap.; 0.5pF, NPO, 50V, +/- .1pF.	04025A0R5BAT2A	AVX.
13	1	C94	0402; Cap.; 2200pF, X7R, 50V, +/-10%.	X7R0402ATTD222K	KOA Speer.
14	10	C95,C140,C150,C152,C157 CC160,C175,C178,C192,C196	0402; Cap.; 100pF, NPO, 50V, +/-5%.	04025A101JAT2A	AVX.
15	3	C96,C101,C174	0402; Cap.; 1.5pF, NPO, 50V, +/- .1pF.	04025A1R5BAT2A	AVX.
16	11	C165,C167,C168,C171, C176,C177,C180 C189,C193,C194,C195	0402; Cap.; 10pF, NPO, 50V, +/-2%.	04025A100GAT2A	AVX.
20	1	J1	MMCX SMT Connector (Preferred).	262107	Connex.
21	1	J2	PCMCIA 68-Pin Connector.	146229-1	Amp.
22	1	J3	DNP		
23	1	J4	DNP		
24	6	L4,L11,L12,L13,L14,L15	0603; W/W Ind.; 1.8uH, +/- 5%.	CTML0603-1R8J	Inductors Inc.
25	0		0402; M/L Ind.; 2.2nH, +/- .3nH	LL1005-FHL2N2S	TOKO.
26	13	L7,R85,R125,R128,R129	DNP		

		R132,R133,C149,C151,C156,C159			
		C166,C172			
27	4	L21,L22,C186,L18	0402; M/L Ind.; 1.0nH, +/- .3nH	TFL05101N0	Garrett Electric
28	1	L16	10uH Power Inductor, 20%.	LPO1704-103M	CoilCraft.
29	1	L19	0402; M/L Ind.; 1.8nH, +/- .3nH	LL1005-FHL1N8S	TOKO.
30	6	R14,R32,R33,R122,R123,148	0402; Res.; 49.9K Ohm, 1/16 W., 1%.	RK73H1ELTP4992F	KOA Speer.
31	18	R17,R18,R19,R20,R21,R22, R27,R28,R29,R30,R31, R34,R35,R36,R37,R38,R111,R149	0402; Res.; 10K Ohm, 1/16 W., 1%.	RK73H1ELTP1002F	KOA Speer.
32	13	R23,R39,R40,R61,R62,R92,R93 R118,R119,R120,R121,R146 R118,R119,R120,R121	0402; Res.; 1.0K Ohm, 1/16 W., 1%.	RK73H1ELTP1001F	KOA Speer.
33	6	R24,R25,R41,R42,R45,R46	0402; Res.; 205 Ohm, 1/16 W., 1%.	RK73H1ELTP2050F	KOA Speer.
36	12	R49,R55,R63,R64,R65,R71,R90 R135,R136,R137,R138,R139	0402; Res.; 100 Ohm, 1/16 W., 1%.	RK73H1ELTP1000F	KOA Speer.
37	2	R50,R96	0402; Res.; 12K Ohm, 1/16 W., 1%.	RK73H1ELTP1202F	KOA Speer.
38	2	R68,R56	0402; Res.; 4.02K Ohm, 1/16 W., 1%.	RK73H1ELTP4021F	KOA Speer.
41	3	R87,R124,R147	0402; Jumper; 0 Ohm, 1 Amp C.C.	RK73Z1ELTP	KOA Speer.
42	1	R140	0402; Res.; 10.0 Ohm, 1/16 W., 1%.	RK73H1ELTP10R0F	KOA Speer.
48	1	R110	0402; Res.; 470K Ohm, 1/16 W., 1%.	RK73H1ELTP4703F	KOA Speer.
49	1	U3	Black Widow ASIC MN2064.	MB87M3220PBT-G	Mesh Networks
50	1	U4	Processor Supervisor IC.	TPS-3838E18DBVR	Texas Instruments.
51	1	U5	Processor Supervisor IC.	TPS-3823-30DBVT	Texas Instruments.
52	1	U6	Multi-Chip Module w/ Flash / SRAM.	S71JL064HA0BAW010	Spansion
55	1	U9	7nsec, 2.7 Volt Comparartor.	LMV7219M5	National Semi.
56	1	U10	Mixed-Signal Front-End Processor.	AD9861BCP-50	Analog Devices.
59	1	U14	4.9Ghz. Zero-IF Transceiver IC.	MAX2828ETN	Maxim.
62	2	U20,U34	5.5Ghz. RF BandPass Filter.	5515BP15C975	Johanson.
63	1	U18	5.5Ghz. RF Balun.	5400BL15B100	Johanson.
64	1	U37	3V PA Driver Amplifier.	STA-5063	Sirenza.
65	1	U22	Low Voltage SPST Analog Switch.	MAX4715EXK-T	Maxim.
66	2	U25,U26	Differential Amplifier	LT6600CS8-20	Linear Tech
67	1	U27	1.8 VDC Switchmode Regulator	TPS62005DGS	Texas Instruments.
68	1	U28	2.85 VDC LDO Regulator	ADP3338AKC-2.85	Analog Devices.
69	1	U29	Dual Tri-state buffer	74LVC2G126DCTR	Texas Instruments.
71	1	XO1	VCTCXO; 5x3mm, 16.0 Mhz. +/-2.5ppm.	ASVTX-09-16.0	Abracon Corp.
72	1	XO2	VCTCXO; 5x3mm, 20.0 Mhz. +/-2.5ppm.	ASVTX-09-20.0	Abracon Corp.

73	1	D1	Green Right Angle LED.	LTST-S270GKT	Lite-On Electronics.
74	1	D2	Red / Orange Right Angle LED.	LTST-S270EKT	Lite-On Electronics.
75	1	PCB	PCMCIA PCB Fab. And Drilled.	PWB HMM000012	Tyco.
76	1	Case	Type II PCMCIA Enclosure.	PC-B5068L00272	Duel.
77	1	Light pipe	Light Pipe Assembly.	MS50064A	Duel.
80	2	Q5,Q6	DMMT 3906W	DMMT 3906WDICT	
82	9	R112,R113,R114,R115,R141 R127,R130,R131,R134	0402; Res.; 49.9 Ohm, 1/16 W., 1%.	RK73H1ELTP49R9F	KOA Speer.
84	1	R89	0402; Res.; 1.82K Ohm, 1/16 W., 1%.	RK73H1ELTP1821F	KOA Speer.
85	1	U31	D Flip-Flop	SN74LVC2G74DCTR	Texas Instruments.
86	1	C164	0402; Cap.; 1.0pF, NPO, 50V, +/-5%.	04025A1R0BAT2A	AVX.
87	2	R95,R145	0402; Res.; 681 Ohm, 1/16 W., 1%.	RK73H1ELTP6810F	KOA Speer.
88	0		0402; Res.; 4,99K Ohm, 1/16 W., 1%.	RK73H1ELTP4991F	KOA Speer.
89	1	R142	0402; Res.; 100K Ohm, 1/16 W., 1%.	RK73H1ELTP1003F	KOA Speer.
90	1	R143	0402; Res.; 150 Ohm, 1/16 W., 1%.	RK73H1ELTP1500F	KOA Speer.
91	1	R144	0402; Res.; 348 Ohm, 1/16 W., 1%.	RK73H1ELTP3480F	KOA Speer.
92	1	U33	PHEMT GaAs IC 0.5-6Ghz. LNA.	MGA-665P8	Agilent.
93	1	U35	SPDT PHEMT GaAs IC RF Switch.	AS225-313	Skyworks.
94	1	U36	3V, 4.9Ghz. Linear Power Amplifier.	LX5506BLQ	Microsemi.
95	1	U38	MAX II PLD	EPM570T100C4	Altera
96	1	C104	0402; Cap.; 150pF, NPO, 50V, +/-5%.	04025A151JAT2A	AVX.
97	1	R94	0402; Res.; 680 Ohm, 1/16 W., 1%.	RK73H1ELTP6800F	KOA Speer.
27	1	L20	0402; M/L Ind.; 1.2nH, +/- .3nH	TFL05101N2	Garrett Electric