

**BOM EXPLOSION REPORT**

Part Number 100-0903-004
Part Revision 01
Part Description PCBA,M3AWEB,OPTIONS:A,B



Level	Part Type	Item Number	Rev	Part Description	Find Num	Qty	Ref Des	Notes
0	Part	100-0903-004		PCBA, M3AWEB, OPTIONS:A, B				
.1	Part	100-SPEC-001	A	SPEC, QA REQUIREMENTS, PCBA	5	0		Ref Doc
.1	Part	200-0903-003	A	PCB, M3AWEB56GA	30	1		
..2	Part	200-SPEC-001	B	SPEC, QA REQUIREMENTS, PCB	10	0		
.1	Part	230-0182-001	A	RF SHIELD FRAME, M3AWEB56GA	36	1		
.1	Part	600-0350-001	A1	CAP, X7R, 0.1uF, 10%, 16V, 0603 (602433-002)	60	38	C1, C4, C7, C8, C10, C14, C15, C19-C21, C25, C30-C32, C35, C40-C42, C57, C70-C72, C81, C84, C89, C90, C93, C104, C108, C112, C113, C117, C121, C122, C124, C133, C135, C137	
.1	Part	600-0306-001	A1	CAP, C0G, 1.0pF, +/- .25pF, 50V, 0402, T=0.60mm MAX	70	2	C2, C12	
.1	Part	600-0207-001	A1	CAP, C0G, 10pF, +/- .5pF, 6V, 0402, T=0.61mm MAX	80	4	C6, C51, C52, C105	
.1	Part	601-0054-001	A	CAP, TANT, 10uF, 20%, 6.3V, 0805, EIA 2012 (R)	90	8	C9, C34, C38, C43, C102, C129, C134, C136	
.1	Part	600-0309-001	A1	CAP, X7R, 220pF, 10%, 50V, 0402, T=0.60mm MAX	100	7	C3, C39, C44-C47, C74	
.1	Part	600-0205-001	A4	CAP, X7R, 0.01uF, 10%, 16V, 0402, T=0.60mm MAX	110	10	C16, C17, C22, C53, C63, C92, C99, C114, C125, C130	
.1	Part	600-0302-001	A1	CAP, X7R, 1000pF, 10%, 50V, 0402, T=0.60mm MAX	120	14	C23, C29, C50, C60, C61, C76, C80, C86, C95, C98, C101, C106, C116, C128	

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.1	Part	600-0206-001	A1	CAP, C0G, 22pF, 5%, 50V, 0402, T=0.61mm MAX	130	1	C24	
.1	Part	600-0324-001	A	CAP, C0G, 0.5pF, +/- .25pF, 50V, 0402, T=0.55mm MAX	140	2	C87, C132	
.1	Part	600-0311-001	A1	CAP, C0G, 7.0pF, +/- .5pF, 50V, 0402, T=0.55mm MAX	150	17	C28, C36, C48, C59, C62, C65-C68, C77-C79, C83, C96, C97, C109, C111	
.1	Part	600-0304-001	A1	CAP, C0G, 2.7pF, +/- .25pF, 50V, 0402, T=0.60mm MAX	155	1	C127	
.1	Part	600-0325-001	A2	CAP, C0G, 5.0pF, +/- .25pF, 50V, 0402, T=0.60mm MAX	160	2	C49, C75	
.1	Part	600-0313-001	A	CAP, C0G, 3.3pF, +/- .25pF, 50V, 0402, T=0.60mm MAX	170	1	C58	
.1	Part	600-0312-001	A	CAP, C0G, 1.8pF, +/- .25pF, 50V, 0402, T=0.61mm MAX	180	1	C82	
.1	Part	600-0330-001	A	CAP, C0G, 15pF, 5%, 50V, 0402, T=0.61mm MAX	190	2	C69, C73	
.1	Part	600-0204-001	A1	CAP, C0G, 100pF, 5%, 50V, 0402	200	4	C13, C85, C88, C94	
.1	Part	600-0188-001	A3	CAP, X7R, 0.047uF, 10%, 16V, 0603	210	2	C27, C91	
.1	Part	600-0317-001	A	CAP, X7R, 0.47uF, 10%, 16V, 0805, T=1.30mm MAX	220	1	C100	
.1	Part	600-0315-001	B1	CAP, X7R, 330pF, 10%, 50V, 0402, T=0.60mm MAX	230	1	C103	
.1	Part	600-0316-001	A	CAP, X7R, 6800pF, 10%, 16V, 0402, T=0.55mm MAX	240	1	C107	
.1	Part	600-0293-001	A	CAP, C0G, 68pF, 5%, 50V, 0402, T=0.022" MAX	250	2	C110, C120	
.1	Part	600-0303-001	A1	CAP, X7R, 0.068uF, 10%, 16V, 0603, T=0.90mm MAX	260	1	C118	
.1	Part	600-0300-001	A1	CAP, X7R, 0.68uF, 10%, 10V, 0805, T=1.30mm MAX	270	1	C123	
.1	Part	600-0314-001	A	CAP, X7R, 270pF, 10%, 50V, 0402, T=0.55mm MAX	280	1	C126	
.1	Part	702-0039-001	A	FILTER, SAW, 374.0MHz, SMD-8	470	1	FL1	
.1	Part	702-0042-001	A	FILTER, LOWPASS, 2.45GHz, 3W, 0805	480	1	FL3	

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.1	Part	702-0040-001	A	FILTER, BANDPASS, 2.45GHz, 500mW, 1206	490	2	FL4, FL5	
.1	Part	702-0041-001	A	FILTER, BANDPASS, 2.45GHz, 500mW, 1210	500	1	FL6	
.1	Part	240-0364-001	A	CONN, ULTRA-MINI COAX, RCPT, SMD	510	2	J1, J2	
.1	Part	535-0144-001	A	IND, 560nH, 10%, 35mA, 1.55 OHM, 0603	520	1	L1	
.1	Part	535-0143-001	A	IND, 4.7nH, +/-0.3nH, 0.3A, 0.25 OHM, 0402	530	1	L2	
.1	Part	533-0049-001	A	FERRITE, CHIP, 30 OHM @ 100MHz, 3A, 0805	540	2	L3, L17	
.1	Part	535-0155-001	A	IND, 39nH, 2%, 0.6A, 0.25 OHM, 0603	550	1	L5	
.1	Part	535-0161-001	A	IND, 39nH, 5%, 0.5A, 0.6 OHM, 0603	560	1	L6	
.1	Part	535-0138-001	A	IND, 2.7nH, +/-0.3nH, 300mA, 0.17 OHM, 0402	570	1	L7	
.1	Part	535-0147-001	A	IND, 33nH, 2%, 0.6A, 0.22 OHMS, 0603	580	2	L9, L10	
.1	Part	535-0139-001	A	IND, 33nH, 5%, 600mA, 0.55 OHM, 0603	590	2	L12, L14	
.1	Part	533-0050-001	A	FERRITE CHIP, 120 OHM @ 100MHz, 120mA, 0402	600	2	L16, L18	
.1	Part	535-0135-001	A	IND, 2.2nH, +/-0.3nH, 0.3A, 0.16 OHM, 0402	610	1	L19	
.1	Part	535-0152-001	A	IND, 1.5nH, +/-0.3nH, 300mA, 0.13 OHM, 0402	615	1	L20	
.1	Part	533-0002-001	A4	FERRITE CHIP, 600 OHM @ 100MHz, 200mA, 0805	617	1	L21	
.1	Part	532-0084-001	A	XSTR, PNP, 2907, 60V, 600mA, 150mW, SOT323	650	1	Q2	
.1	Part	502-0225-001	A	RES CHP, 10K, 5%, 0402	690	7	R1, R11, R23, R26, R33, R41, R99	
.1	Part	503-0221-001	A	RES CHP, 10M, 5%, 0603	700	1	R2	
.1	Part	502-0239-001	A	RES CHP, 220K, 5%, 0402	710	1	R3	
.1	Part	502-0242-001	A	RES CHP, 470 OHM, 5%, 0402	720	2	R13, R16	

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.1	Part	502-0001-001	A5	RES CHP, 0 OHM JUMPER, 0402	730	5	R5, R22, R82, R116, R118	
.1	Part	502-0243-001	A	RES CHP, 560 OHM, 5%, 0402	740	1	R9	
.1	Part	502-0220-001	A	RES CHP, 19.1K, 1%, 0402	750	2	R10, R14	
.1	Part	502-0020-001	A5	RES CHP, 3.01K, 1%, 0402	760	1	R12	
.1	Part	502-0057-001	A1	RES CHP, 1.50K OHM, 1%, 0402	770	3	R15, R37, R65	
.1	Part	502-0009-001	A5	RES CHP, 100 OHM, 1%, 0402	780	11	R17, R18, R25, R31, R35, R42, R43, R47-R49, R51	
.1	Part	502-0058-001	A2	RES CHP, 619 OHM, 1%, 0402	790	1	R28	
.1	Part	502-0224-001	A	RES CHP, 976 OHM, 1%, 0402	800	1	R30	
.1	Part	502-0088-001	A	RES CHP, 12.1K, 1%, 0402	810	1	R32	
.1	Part	502-0154-001	A	RES CHP, 11.5K, 1%, 0402	820	1	R36	
.1	Part	502-0218-001	A	RES CHP, 9.53K, 1%, 0402	830	1	R38	
.1	Part	502-0219-001	A	RES CHP, 1.10K, 1%, 0402	840	2	R39, R44	
.1	Part	502-0018-001	A5	RES CHP, 2.00K, 1%, 0402	850	1	R40	
.1	Part	502-0221-001	A	RES CHP, 2.87K, 1%, 0402	860	1	R45	
.1	Part	502-0023-001	A5	RES CHP, 4.64K, 1%, 0402	870	1	R50	
.1	Part	502-0015-001	A6	RES CHP, 1.00K, 1%, 0402	880	2	R52, R71	
.1	Part	502-0092-001	A1	RES CHP, 2.21K, 1%, 0402	890	1	R55	
.1	Part	502-0227-001	A	RES CHP, 300 OHM, 5%, 0402	900	1	R56	
.1	Part	502-0222-001	A	RES CHP, 124 OHM, 1%, 0402	910	4	R58, R62, R66, R67	
.1	Part	502-0223-001	A	RES CHP, 536 OHM, 1%, 0402	920	2	R59, R70	

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.1	Part	502-0228-001	A	RES CHP, 10 OHM, 5%, 0402	930	1	R68	
.1	Part	502-0244-001	A	RES CHP, 649 OHM, 1%, 0402	940	1	R69	
.1	Part	502-0240-001	A	RES CHP, 20 OHM, 5%, 0402	950	1	R73	
.1	Part	502-0206-001	A	RES CHP, 90.9 OHM, 1%, 0402	960	2	R75, R77	
.1	Part	502-0080-001	A	RES CHP, 82.5 OHM, 1%, 0402	970	1	R76	
.1	Part	502-0241-001	A	RES CHP, 47 OHM, 5%, 0402	980	1	R84	
.1	Part	2000048	A5	RES CHP, 0 OHM JUMPER, 1206	990	2	R105, R106	
.1	Part	410-0059-001	A1	IC, CTRLR, WLAN, INTEGRATED, 3874, BGA-192	1150	1	U1	
.1	Part	408-0050-001	A	IC, FLASH, 1Mb, 128Kx8, 39VF010, 90nS, 2.7~3.6V, TSOP-32	1160	1	U2	
.1	Part	404-0044-001	A	IC, SRAM, 2Mb, 128Kx16, 62136, 2.7-3.6V, 55nS, BGA-48	1170	1	U4	
.1	Part	622-0046-001	A	XTLO, 44.000MHz, 25ppm, 2.8V, 15pF, 7.3x4.8x1.0mm	1180	1	U6	
.1	Part	413-0091-001	A	IC, REG, LDO, 2.84V, 150mA, 8867, THIN-SOT23-5	1190	2	U7, U15	
.1	Part	413-0074-001	A	IC, 3GHz FET SW, SPDT, GaAs, SC70-6	1200	2	U8, U10	
.1	Part	419-0015-001	A	IC, MOD/DEMODO/SYNTHSZR, 3V, 3783, TQFP-48	1210	1	U9	
.1	Part	419-0018-001	A	IC, SYNTHSZR/IF/RF CONV, 2.4GHz, 3V, 3685, MLFP-44	1220	1	U11	
.1	Part	419-0019-001	A	IC, PWR AMP/DET, 2.4GHz, 3V, 3984, MLFP-16	1230	1	U12	
.1	Part	622-0043-001	A	VCXO, 748MHz, 2.85V, MLFP-16, 4.00x4.00x1.00mm	1240	1	U13	
.1	Part	622-0040-001	A	VCXO, 2.074GHz, 2.0%2.84V, 8.2x6.0x1.6mm	1250	1	U14	
.1	Part	419-0012-001	A	IC, WB AMP, 2.7GHz, 3V, SMD-6	1260	1	U16	
.1	Part	417-0252-001	A	IC, uPROC SUPERVISORY CKT, 2.63V, 6326, SC70-3	1270	1	U18	

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.1	Part	620-0086-001	A	XTAL, 32.768KHz, 20/90ppm, 12.5pF, 0.5uW, CER SMD, T=0.9mm MAX	1300	1	X1	