

**BOM EXPLOSION REPORT**

**Part Number** 100-0920-004  
**Part Revision** 01  
**Part Description** PCBA,WM3A5000RICK,W/SHIELD FOR RICKSHAW



Level	Part Type	Item Number	Rev	Part Description	Find Num	Qty	Ref Des	Notes
0	Part	100-0920-004		PCBA, WM3A5000RICK, W/SHIELD FOR RICKSHAW				
.1	Part	200-0920-002	B	PCB, WM3A5000DAP, 5V	1	1		
..2	Part	200-SPEC-001	B	SPEC, QA REQUIREMENTS, PCB	10	0		
.1	Part	600-0330-001	A	CAP, C0G, 15pF, 5%, 50V, 0402, T=0.61mm MAX	2	4	C1, C7, C13, C28	
.1	Part	600-0331-001	A	CAP, C0G, 6.8pF, +/- .25pF, 50V, 0402, T=0.55mm MAX	3	4	C2, C6, C15, C27	
.1	Part	600-0332-001	A	CAP, C0G, 10pF, +/- .25pF, 50V, 0402, T=0.55mm MAX	4	7	C4, C5, C8, C22, C23, C160, C162	
.1	Part	600-0333-001	A	CAP, C0G, 2.2pF, +/- .25pF, 50V, 0402, T=0.55mm MAX	5	2	C20, C46	
.1	Part	601-0030-001	A3	CAP, TANT, 3.3uF, 20%, 6.3V, 0805, EIA 2012	6	2	C12, C17	
.1	Part	600-0206-001	A1	CAP, C0G, 22pF, 5%, 50V, 0402, T=0.61mm MAX	7	26	C18, C31, C32, C36, C38, C40, C53, C54, C59, C61, C63-C65, C68, C69, C73, C78, C80, C82, C88, C89, C93, C108, C156, C163, C164	
.1	Part	600-0343-001	A	CAP, X5R, 2.2uF, 10%, 10V, 0805, T=1.45mm MAX	8	7	C10, C16, C114, C116, C154, C155, C161	
.1	Part	600-0334-001	A	CAP, X5R, 22uF, 20%, 6.3V, 1210, T=2.2mm MAX	9	3	C11, C91, C101	
.1	Part	600-0205-001	A4	CAP, X7R, 0.01uF, 10%, 16V, 0402, T=0.60mm MAX	10	3	C14, C33, C92	
.1	Part	600-0335-001	A	CAP, C0G, 8.0pF, +/- .25pF, 50V, 0402, T=0.55mm MAX	11	2	C26, C157	
.1	Part	600-0296-001	A	CAP, X5R, 1.0uF, 10%, 10V, 0603, T=0.9mm MAX	12	8	C19, C30, C83, C84, C180-C183	
.1	Part	600-0302-001	A1	CAP, X7R, 1000pF, 10%, 50V, 0402, T=0.60mm MAX	13	10	C25, C35, C118, C145-C151	

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.1	Part	600-0310-001	A1	CAP, X7R, 470pF, 10%, 50V, 0402, T=0.55mm MAX	14	9	C37, C39, C41, C58, C60, C62, C66, C79, C81	
.1	Part	600-0336-001	A	CAP, C0G, 0.5pF, +/- .1pF, 50V, 0402, T=0.55mm MAX	15	6	C9, C21, C42-C44, C49	
.1	Part	600-0337-001	A	CAP, C0G, 27pF, 1%, 50V, 0603, T=0.90mm MAX	16	2	C56, C57	
.1	Part	600-0339-001	A	CAP, C0G, 39pF, 5%, 50V, 0402, T=0.61mm MAX	17	2	C52, C55	
.1	Part	600-0204-001	A1	CAP, C0G, 100pF, 5%, 50V, 0402	18	3	C29, C50, C67	
.1	Part	600-0338-001	A	CAP, C0G, 3.9pF, +/- .25pF, 50V, 0402, T=0.55mm MAX	19	4	C70, C71, C75, C77	
.1	Part	600-0315-001	B1	CAP, X7R, 330pF, 10%, 50V, 0402, T=0.60mm MAX	20	1	C72	
.1	Part	600-0301-001	A1	CAP, C0G, 4.7pF, +/- .25pF, 50V, 0402, T=0.55mm MAX	21	2	C74, C76	
.1	Part	600-0342-001	A	CAP, X5R, 4.7uF, 10%, 10V, 1206, T=1.8mm MAX	22	4	C85, C87, C98, C99	
.1	Part	600-0276-001	A	CAP, X5R, 0.1uF, 10%, 10V, 0402, T=0.55mm MAX	23	10	C24, C95, C102, C121, C122, C126, C128, C132, C135, C138	
.1	Part	600-0306-001	A1	CAP, C0G, 1.0pF, +/- .25pF, 50V, 0402, T=0.60mm MAX	24	1	C51	
.1	Part	600-0171-001	A2	CAP, X7R, 0.1uF, 10%, 16V, 0603, T=0.035"MAX	25	1	C45	
.1	Part	601-0012-001	A5	CAP, TANT, 10uF, 10%, 6.3V, 1206, EIA 3216 (A)	26	1	C86	
.1	Part	601-0011-001	A6	CAP, TANT, 4.7uF, 20%, 10V, 1206, EIA 3216 (A)	27	1	C34	
.1	Part	420-0100-001	A	DIODE, PIN, 100V, 1A, HSMP-389C, SOT-323	28	2	D1, D2	
.1	Part	2000587	A1	DIODE, SW, ARY, BAV99, SOT23	29	1	D7	
.1	Part	702-0044-001	A	FILTER, BANDPASS, 5.3GHz, SMD-3	30	1	F1	
.1	Part	240-0386-001	A	CONN, RCPT, 5GHz COAX, RA, SMD	31	1	J4	

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.1	Part	535-0156-001	A	IND, 1.5uH, 2%, 330mA, 2.3 OHM, 1008	32	4	L1, L7, L9, L22	
.1	Part	535-0158-001	A	IND, 1uH, 2%, 370mA, 1.75 OHM, 1008	33	9	L2, L3, L5, L6, L15-L18, L26	
.1	Part	533-0051-001	A	FERRITE BEAD, 2.5K @ 100MHz, 150mA, 0805	34	5	L4, L20, L21, L23, L25	
.1	Part	535-0172-001	A	IND, 0.18uH, 20%, 220mA, 0.81 OHM, 1210	35	1	L29	
.1	Part	2001835	A4	XSTR, NPN, 3904, 40V/60V, 200mA, 625mW, SOT-23, T=1.28mm MAX	36	3	Q1, Q7, Q15	
.1	Part	2000630	B4	XSTR, PNP, 3906, 40V, 200mA, 225mW, SOT-23, T=1.15mm MAX	37	2	Q2, Q6	
.1	Part	532-0093-001	A	XSTR, HJ-FET, N-CH, NE325S01, 4V, -3V, 20mA, 165mW, SMD-4	38	1	Q3	
.1	Part	532-0092-001	A1	XSTR, PHEMT, LP750, 7V, -3V, 940mW, SMD-4	39	1	Q5	
.1	Part	502-0105-001	A1	RES CHP, 221 OHM, 1%, 0402	40	9	R1-R5, R12, R18, R19, R35	
.1	Part	502-0245-001	A	RES CHP, 6.19K, 1%, 0402	41	2	R6, R103	
.1	Part	502-0027-001	A7	RES CHP, 10.0K, 1%, 0402	42	5	R7, R20, R22, R27, R176	
.1	Part	502-0007-001	A5	RES CHP, 75.0 OHM, 1%, 0402	43	1	R8	
.1	Part	502-0055-001	A5	RES CHP, 4.75K, 1%, 0402	44	1	R11	
.1	Part	502-0184-001	A	RES CHP, 5.62K, 1%, 0402	45	1	R9	
.1	Part	502-0092-001	A1	RES CHP, 2.21K, 1%, 0402	46	1	R23	
.1	Part	502-0056-001	A2	RES CHP, 68.1 OHM, 1%, 0402	47	8	R13, R21, R24, R141-R144, R148	
.1	Part	502-0045-001	A5	RES CHP, 330 OHM, 5%, 0402	48	2	R14, R145	
.1	Part	502-0132-001	A1	RES CHP, 5.11K, 1%, 0402	49	3	R26, R29, R177	
.1	Part	503-0233-001	A	RES CHP, 1.0 OHM, 5%, 0603	50	1	R28	
.1	Part	502-0175-001	A2	RES CHP, 49.9 OHM, 1%, 0402	51	2	R38, R49	

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.1	Part	502-0029-001	A5	RES CHP, 20.0K, 1%, 0402	52	1	R30	
.1	Part	502-0004-001	A6	RES CHP, 39.2 OHM, 1%, 0402	53	4	R16, R17, R32, R45	
.1	Part	502-0106-001	A1	RES CHP, 511 OHM, 1%, 0402	54	2	R33, R34	
.1	Part	502-0060-001	A1	RES CHP, 1.00M, 1%, 0402	55	1	R37	
.1	Part	502-0251-001	A	RES CHP, 1.0 OHM, 5%, 0402	56	1	R42	
.1	Part	502-0206-001	A	RES CHP, 90.9 OHM, 1%, 0402	57	1	R25	
.1	Part	502-0252-001	A	RES CHP, 2.2 OHM, 5%, 0402	58	1	R149	
.1	Part	502-0021-001	A6	RES CHP, 3.32K, 1%, 0402	59	1	R51	
.1	Part	502-0079-001	A1	RES CHP, 365 OHM, 1%, 0402	60	2	R131, R132	
.1	Part	502-0001-001	A5	RES CHP, 0 OHM JUMPER, 0402	61	7	R10, R15, R31, R36, R41, R44, R50	
.1	Part	502-0015-001	A6	RES CHP, 1.00K, 1%, 0402	62	3	R48, R168, R175	
.1	Part	2000785	A2	RES CHP, 0 OHM JUMPER, 0805	63	2	R46, R47	
.1	Part	503-0062-001	B	RES CHP, 332 OHM, 1%, 0603	64	1	R925	
.1	Part	413-0084-001	A	IC, REG, LDO, 2.5V, 2%, 150mA, TK71625, SOT-23-5	65	1	U1	
.1	Part	419-0023-001	A	IC, RADIO-ON-A-CHIP, 5GHz, AR5110, LLPCC-64	66	1	U4	
.1	Part	419-0024-001	A	IC, MAC BASEBAND PROC, 5GHz, AR5210, BGA-196	67	1	U17	
.1	Part	407-0018-001	A2	IC, EEPROM, SER, 256x16/512x8, 2.5-5.5V, 93C66, SOIC-8	68	1	U22	
.1	Part	413-0103-001	A	IC, REG, LDO, ADJ, 2.5V, 500mA, 1763, MSOP-8	69	1	U24	
.1	Part	433-0010-001	A	IC, CMOS, CHARGE PUMP, 1.8-5.5V, 50mA, SOT23-6	70	1	U102	
.1	Part	433-0011-001	A	IC, LOW NOISE, CHARGE PUMP, 2.7-4.5V, 100mA, THINSOT23-6	71	1	U103	

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.1	Part	620-0097-001	A	XTAL, 32.000MHz, 10/10ppm, 19.5pF, 500uW, 6.0x3.7x1.0mm	72	1	Y1	
.1	Part	830-1760-002	01	LBL, APPVLS, WM3A5000	73	1		
.1	Part	830-1102-001	A	LABEL, SMALL, MPC1	75	1		Print [1] S/N barcode, TLA code 09V [2] Model="WM3A5000" [3] Mac ID [4] Date code. "Product of" info not reqd.. Affix label onto insulator wrap 830-1760-002
.1	Part	230-0224-002	B	SHIELD, WM3A5000DAP	76	1		
.1	Part	144-0329-001	C	TEST SFW, WM3A5000	701	0		
.1	Part	100-SPEC-001	A	SPEC, QA REQUIREMENTS, PCBA	703	0		

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