

MK-815WM (WiFi Module)

Item	Q'ty	PART NUMBER	VALUE	Description	VENDOR CODE	REMARK
Resister						
1	8	C284,C317,R69,R329,R330,R331,R332,R333	0 Ω	SURFACE MOUNT RESISTOR 1.0 X 0.5 mm	SAMSUNG	
2	2	R6,R7	10 Ω			
3	3	R72,R73,R283	100 Ω			
4	1	R18	1 KΩ			
5	1	R211	845 KΩ			
6	1	R1	12 KΩ / 1%			
7	1	R70	16.9 KΩ / 1%			
8	2	R67,R284	2 KΩ / 1%			
9	1	SR1	22 Ω			
10	1	R212	300 Ω			
11	21	R2,R8,R9,R21,R22,R33,R71,R88,R95,R106,R107,R118,R119,R124,R142,R146,R148,R152,R156,R221,SR2	4.7 KΩ			
12	1	R68	47 Ω / 1%			
13	8	R26,R27,R28,R29,R55,R56,R57,R58	49.9 Ω / 1%			
14	1	R50	9.1 KΩ / 1%			
15	1	R4	20 KΩ			
16	1	R285	6.8 KΩ / 1%	SURFACE MOUNT RESISTOR 1.6 X 0.8 mm		
17	1	R266	0 Ω			
Capacitor						
18	1	C381	1 pF	MLCC 1.0*0.5mm	WALSIN	
19	3	C382,L6,L7	1.2 pF			
20	3	C147,C324,C393	1.8 pF			
22	1	C287	2.2 pF			
23	7	C23,C26,C282,C283,C285,C288,C318	10 pF			
24	1	C10	100 pF			
25	1	C52	1 nF			
26	23	C6,C7,C9,C17,C51,C82,C83,C86,C88,C91,C94,C95,C97,C108,C113,C118,C119,C122,C123,C124,C125,C194,C391	100 nF			
27	4	C8,C12,C20,C252	1 uF			
28	4	C48,C50,C77,C79	1200 pF			
29	1	C105	1500 pF			
30	1	C18	22 nF			
31	1	C15	27 pF / 1%			
32	1	C106	68 pF			
33	1	C100	6800 pF			
34	4	C5,C30,C103,C112	4.7 uF	MLCC 1.6*0.8mm		
35	4	C2,C84,C90,C109	4.7 uF	MLCC 2.0*1.2mm		
36	2	C19,C101	10uF	Tantal A		
Inductor						
36	1	L53	1.2 nH	Chip Inductor 1005	CERATECH	
37	1	L52	1.5 nH			
38	1	C145	2.2 nH			
39	2	C24,C27	2.7 nH			
40	1	L51	3.3 nH			
41	1	L34	3.9 nH			
42	1	L14	4.7 uH	Power Inductor SMD 2.8x2.8x1.5	ABCO	
I.C Part						
43	1	U4	ANALOG SWITCH	MC74VHC1G66	ONSEMI	
44	1	U1	WLAN CONTROLLER	RT3352	RALINK	
45	1	U10	FLASH MEMORY	EN25F32-104HIP	EON	2nd vendor
46	1	U30	SPDT RF SW	UPG2179TB	MACRONIX	
47	1	U12	DDR2 Memory	W9751G6IB-25	WINBOND	2nd vendor
				K4T51163QG-HCE6	SAMSUNG	
				K4T51163QJ-BCE6	SAMSUNG	
48	1	U8	MosFET	APM2701AC	ANPEC	
49	1	U5	Reset IC	MAX803	ONSEMI	
Crystal						
50	1	U2	X-TAL 40MHz	TZ1421A	TAI SAW	
Band Pass Filter						
51	1	U3	BPF	LTB-2012-2G4H6-A18	TAI SAW	
Antenna						
52	1	ANT1	Chip Antenna	AH083F2450001-T	Taiyo Yuden	
				ALA931C5	AMOTECH	2nd vendor
Connector						
53	1	CON2	Coaxial CON	U.FL-R-SMT 4.5x5.0x1.7mm	HIROSE	
54	1	J7	1.25mm Pitch R/A	12513WR-08P	연호전자	
Shield Can Part						
55	1	SH1	Shield Can		미래 정밀	
56	1	CLIP7	Shield Can Clip	KIC-0808STP	CSV	
PCB						
57	1		FR-4 1.0T 4Layer	MK-815WM	나노텍	