

MAVIN Technology Inc.

BOM

Model Name :MBD-C4.20

Product name :Bluetooth version 2.0 USB Dongle Class1

Date 2005/8/31

ITEM	ITEM ID	NAME	SPEC	COUNT	LOCATION
1	416-1110000001	PCB	PCB BC04 Class-1 Small Type (Class -1 (s)) version 3 ENG SAMP	1	
2	301-1411430000	IC	IC CSR BC04 ROM BC41B143A05 6X6 84 VFBGA	1	U1
3	302-0418002016	EEPROM	EEPROM 24A16-DF26 BC04 CL-1(A05)	1	U5
4	306-3021020200	LED	LED 19-21SYGC/TR8 GREEN 575nm 0603	1	D1
5	306-0004052400	Transistor	RF Transistor 2.4Ghz BFP405 SOT-343	1	U3
6	309-2016212200	Crystal	Crystal 16MHZ +/-10ppm 5*3.2 (4Pad)	1	X1
7	304-6400500000	Balun	Balun LDB212G4005C-001	1	T1
8	308-1024500000	Filter	Filter RF Band pass 2.45GHz BF2520-B2R4CAA	1	U2
9	305-9167330000	LDO Regulator	LDO Regulator IC RT-916733 CB	1	U7
10	304-1242302000	Power Amplifier	Power Amplifier IC 2.4GHz ALP2423L QNF-6	1	U9
11	306-2179922500	Power Switch IC	Power Switch IC FET SPDT Switch 3GHZ AS179-92LF SC-70	1	U6
12	313-0030030000	Connector	Connector USB 1MM-417BR	1	J1
13	310-0000003240	Resistor	Resistor 0Ω 5% 0402	2	R14.47
14	310-0220003240	Resistor	Resistor 22Ω 5% 0402	3	R1.3.12
15	310-0221109240	Resistor	Resistor 2.2Ω 5% 0402	2	R2.16
16	310-0100303240	Resistor	Resistor 10KΩ 5% 0402	1	R15
17	310-0220209240	Resistor	Resistor 2.2KΩ 5% 0402	3	R5.6.7
18	310-0220309240	Resistor	Resistor 22KΩ 5% 0402	1	R10
19	310-3000003240	Resistor	Resistor 300Ω5% 0402	1	R9
20	310-8200009240	Resistor	Resistor 820Ω 5% 0402	1	R11
21	311-2205084320	Capacitor	Chip Capacitor 2.2μF 10% X7R 16V 0805	3	C1.7.42
22	311-4705224350	Capacitor	Chip Capacitor 4.7μF 10% X5R 16V 0805	1	C19
23	311-1004083320	Capacitor	Chip Capacitor 100nF 10% X7R 16V 0603	1	C32
24	311-0106223350	Capacitor	Chip Capacitor 1μF +80-20% X5R 16V 0603	2	C36.37
25	311-0100062540	Capacitor	Chip Capacitor 1PF +/-0.25pF COG 50V 0402	1	C38
26	311-1000032540	Capacitor	Chip Capacitor 10PF +/-5% COG 50V 0402	5	C10.16.17.18.40
27	311-1211062540	Capacitor	Chip Capacitor 1.2PF +/-0.25PF COG 50V 0402	2	C12.13
28	311-1500092540	Capacitor	Chip Capacitor 15PF 5% COG 50V 0402	9	C2.6.11.21.23.24.25.26.27
29	311-2711062510	Capacitor	Chip Capacitor 2.7PF +/-0.25pf NPO 50V 0402	1	C20
30	311-3311062540	Capacitor	Chip Capacitor 3.3PF +/-0.25PF COG 50V 0402	1	C9
31	311-4711062540	Capacitor	Chip Capacitor 4.7PF +/-0.25PF COG 50V 0402	1	C39
32	311-5611062540	Capacitor	Chip Capacitor 5.6PF +/-0.25pF COG 50V 0402	2	C44.45
33	311-1001082540	Capacitor	Chip Capacitor 100PF 10% COG 50V 0402	1	C29
34	311-1003042420	Capacitor	Chip Capacitor 10nF +/-10% X7R 25V 0402	7	C4.5.14.15.22.28.35
35	311-1004082320	Capacitor	Chip Capacitor 100nF 10% X7R 16V 0402	5	C30.31.33.34.43
36	312-0180206200	Inductor	Chip Inductor 1.8nH +/-0.3nH 0402	1	L10
37	312-0220309200	Inductor	Chip Inductor 22nH 5% 0402	1	L1
38	312-0270309200	Inductor	Chip Inductor 27nH 5% 0402	1	L9
39	312-0270205200	Inductor	Chip Inductor 2.7nH +/-0.3nH 0402	1	L11
40	312-0330309200	Inductor	Chip Inductor 33nH 5% 0402	1	L6
41	312-0330205200	Inductor	Chip Inductor 3.3nH +/-0.3nH 0402	2	L2.3
42	312-0390205200	Inductor	Chip Inductor 3.9nH +/-0.3nH 0402	2	L7.8