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PCBA BOM

Model	C.H.I.P.	
Version	v1.0	
BOM Revision	V1_0_20151030	
Date	10/30/15	

	Description	QTY(QPA)	Location(refernece)	Type(DIP/SMT)
1	IC CPU R8 TQFP177	1	U1	SMT
2	IC PMU AXP209 QFN49_0_4H0_8A	1	U3	SMT
3	IC IO EXTEND PCF8574ARGYR QFN20-PT0_5-3_65X4_65H1A	1	U27	SMT
4	IC CONTINUOUS CURRENT LPW5210 SOT23_5H14A	2	U10,U15	SMT
5	IC DC-DC LP3220SAB5F SOT23-5	2	U4,U12	SMT
6	IC DC-DC LP6226B6F SOT23-6	1	U11	SMT
7	IC NAND FLASH X8 TSOP-48H1_2A	1	U30	SMT
8	IC DDR3-FBGA96 FBGA96C80P9X13	1	U29	SMT
9	SMD MODULE WIFI 8723BS QFN44-AP6476-12X12H1_6A	1	U9	SMT
10	SMD CRYSTAL 24MHz ±10ppm 18pF SMD322524ECFP1F 3.2*2.5mm	1	X1	SMT
11	SMD INDUCTOR 1.8uH 0603	1	L9	SMT
12	SMD INDUCTOR 2.2uH DCR<0.1R-1.7A 3518	6	L2,L3,L4,L5,L6,L8	SMT
13	SMD DIODE IN5819 SOD123FL	1	D16	SMT
14	SMD DIODE BAT54S SOT-23	1	D18	SMT
15	SMD LED 0603 white color (e.g. Everlight QTLP603CIWTR or similar)	1	D2	SMT
16	SMD LED EC01-0603QRC-E-Ag pink color (e.g. lowcost versions of Panasonic LNJP12X8ARA or similar)	1	D1	SMT
17	CHIP WiFi/Bluetooth Ceramic Antenna AA055 3.2X1.6X0.5	1	ANT1	SMT
18	SMD TRANSISTOR MMBT3904 NPN SOT-23	1	Q4	SMT
19	SMD C-MOS N-channel BSN20 SOT-23	1	Q11	SMT
20	DIP CONNECTOR CON2X20-PT2_54-5_2X31_2H2A (40PIN母座 双排, 间距2.54MM)	2	U13,U14	DIP
21	DIP CONNECTOR CON2-PT2_54H7_1A(2PIN母座, 间距2.54MM)	1	J1	DIP
22	SMD JACK MICRO USB A01SB141BH2_4A	1	J4	SMT
23	SMD JACK USB_AF-011Z_45H5_2A	1	J5	DIP
24	SMD JACK EARPHONE PJ-033SMTH4A	1	J11	SMT
25	SMD KEY SW_4P_TC3061B/IT-1100AE (2PIN, 间距4.4MM, 有两个定位孔)	1	SW1	SMT
26	CHIP CAP 0201 18P 16V NPO	2	C1,C5	SMT

27	CHIP	CAP	0201	22P	16V	NPO	1	C53	SMT
28	CHIP	CAP	0201	47P	16V	NPO	2	C67,C73	SMT
29	CHIP	CAP	0201	100P	16V	NPO	1	C294	SMT
30	CHIP	CAP	0201	270P	16V	NPO	1	C55	SMT
31	CHIP	CAP	0201	330P	16V	NPO	1	C56	SMT
32	CHIP	CAP	0201	102	16V	±20%	7(-1)	C15,C20,C165,C173,C174,C175,C176	SMT
33	CHIP	CAP	0201	2.2P	16V	±0.1pF	1	C51	SMT
34	CHIP	CAP	0201	104	10V	±20%	41	C33,C34,C35,C36,C54,C58,C64,C69,C72,C81,C82,C83,C84,C90,C91,C92,C93,C94,C95,C96,C102,C103,C104,C105,C106,C148,C151,C152,C166,C168,C170,C172,C189,C190,C191,C192,C193,C194,C295,C297,C298	SMT
35	CHIP	CAP	0402	105	10V	±20%	25	C9,C22,C24,C26,C37,C49,C145,C150,C153,C154,C158,C159,C160,C161,C164,C179,C180,C181,C182,C183,C184,C185,C186,C296,C299	SMT
36	CHIP	CAP	0603	4.7uF	10V	±20%	19 (-2)	C10,C11,C12,C25,C27,C28,C29,C50,C59,C65,C66,C68,C70,C71,C74,C76,C142,C169,C188	SMT
37	CHIP	CAP	0603	10uF	10V	±20%	17 (-1)	C13,C14,C16,C17,C18,C19,C21,C32,C45,C57,C75,C77,C149,C157,C167,C177,C178	SMT
38	CHIP	CAP	0805	22uF	10V	±20%	2	C78,C79	SMT
39	SMD	RCA	0201-4	0ΩX4	1/20W		2	RN1,RN2	SMT
40	SMD	RCA	0201-4	24ΩX4	1/20W		1	RN30	SMT
41	SMD	RCA	0201-4	33ΩX4	1/20W		10	RN20,RN21,RN22,RN23,RN24,RN25,RN26,RN27,RN28,RN29	SMT
42	CHIP	RESISTOR	0201	24Ω	1/20W	±5%	6	R68,R100,R101,R420,R421,R422	SMT
43	CHIP	RESISTOR	0201	75Ω	1/20W	±5%	1	R60	SMT
44	CHIP	RESISTOR	0201	240Ω	1/16W	±1%	2	R71,R94	SMT
45	CHIP	RESISTOR	0201	1KΩ	1/20W	±5%	5	R8,R83,R86,R102,R113	SMT
46	CHIP	RESISTOR	0201	1.5KΩ	1/20W	±5%	1	R192	SMT
47	CHIP	RESISTOR	0201	2KΩ	1/16W	±1%	4	R89,R90,R91,R416	SMT
48	CHIP	RESISTOR	0201	2.2KΩ	1/20W	±5%	7	R1,R2,R3,R4,R6,R18,R103	SMT
49	CHIP	RESISTOR	0201	10KΩ	1/20W	±5%	10	NSR3,R10,R11,R55,R56,R70,R87,R130,R131,R206	SMT
50	CHIP	RESISTOR	0201	33KΩ	1/20W	±5%	5	R48,R49,R51,R52,R53	SMT
51	CHIP	RESISTOR	0201	47KΩ	1/20W	±5%	2	R16,R17	SMT
52	CHIP	RESISTOR	0201	100KΩ	1/20W	±5%	3	R65,R66,R105	SMT
53	CHIP	RESISTOR	0201	510KΩ	1/20W	±5%	1	R74	SMT
54	CHIP	RESISTOR	0201	1MΩ	1/20W	±5%	1	R88	SMT
55	CHIP	RESISTOR	0201	0Ω	1/20W	±5%	11	R12,R39,R40,R41,R43,R46,R84,R85,R122,R414	SMT
56	CHIP	RESISTOR	0402	1Ω	1/16W	±5%	2	R9,R82	SMT
57	CHIP	RESISTOR	0201	2KΩ	1/16W	±5%	1	R20	SMT
58	CHIP	RESISTOR	0805	0Ω	1/8W		1	R81	SMT
59	CHIP	RESISTOR	0201	6.8KΩ	1/20W	±1%	2	OR4,R75	SMT
60	CHIP	RESISTOR	0201	27KΩ	1/20W	±1%	1	R57	SMT
61	CHIP	RESISTOR	0201	100KΩ	1/20W	±1%	2	R14,R78	SMT
62	CHIP	RESISTOR	0201	150KΩ	1/20W	±1%	1	R15	SMT
63	CHIP	RESISTOR	0201	200KΩ	1/20W	±1%	3	R13,R54,R121	SMT
64	CHIP	RESISTOR	0201	442KΩ	1/16W	±1%	1	R79	SMT
65	CHIP	RESISTOR	0805	0.03Ω	1/8W	±1%	1	R7	SMT
66	CHIP	CAP	1210	100uF	10V	±20%	1	C146	SMT

67	CHIP	CAP	0201	1.5P	16V ±0.1pF	1	C47	SMT
68	CHIP	CAP	0201	3.3P	16V ±0.1pF	1	R45	SMT

备注 标红部分为天线匹配后修改部分