

Main Board BOM

Item		Description	Ref No.	QTY
1	IC	Quad-Band Tx /Dual-Band Rx iPAC FEM for GSM/GPRS	U602	1
2	connector	conn-RF_bottom,H1.75	CONN601	1
3	Diode	Diode, White LED,5mA,2.6~3.2V,1.6*0.8*0.38(mm),0603	D701 D702 D703 D704 D705 D706 D707 D708 D710 D711 D713 D714 D724 D725 D726 D727 D728	17
4	IC	4 Channel LED Driver,DFN2*2_8	U503	1
5	IC	GaAs PHEMT MMIC SPDT switch,SOT363	U801	1
6	connector	Conn-ZIF,45pin,0.3pitch,f,H1.0	CONN502	1
7	connector	Conn-ZIF, 6pin, 0.5pitch, f(lock to front) H0.93	CONN504	1
8	IC	1Gb (64Mb x16) NAND Flash+ 512Mb (32Mb x16) mobile DDR, DDR333, 107Ball FBGA, 10.5mm*13m*1.2	U301	1
9	connector	1.5H 6 PIN SIM CARD CONN	CONN102 CONN103	2
10	connector	Conn battery, 3pin, pitch2.6,working height 3.75, plastic height 4.5, vertical	CONN901	1
11	IC	1800/1900MHz range SAW filter for communication equipment.	U604	1
12	IC	SAW Filter, 881.5/942.5MHz	U603	1
13	connector	T FLASH SOCKET/SINK TYP	CONN701	1
14	Diode	blue,0603 package,size:1.6*0.8*0.35mm,lv=11.5-30mcd@If=5mA	D712	1
15	IC	Sensor,Digital proximity and ambient light sensor,with built-in IR LED	U501	
16	IC	GSM850/900/1800/1900 Single Chip GSM Radio, 32-lead LFCSP, 5*5mm	U601	1
17	IC	WIFI IC, ALL-IN-ONE 5.1*5.3 TFBGA	U401	1
18	IC	MT6236 Baseband IC	U101	1
19	Inductance	EMI Bead, 1channel, 600 Ω at 100MHz, 300mA, 0402	L901 L904 L910 L911	4
20	Inductance	EMI Bead, 1channel, 1KΩ at 100MHz, 100mA, 0603	L201 L203 L205 L208 L202	5
21	Inductance	EMI Bead, 1channel, 220 Ω at 100MHz, 1400mA, 0603	L902 L903 L907 L908	4
22	IC	Bluetooth BAND PASS FILTER	U803	1
23	IC	Filter, Directional Coupler, 2450MHz	U804	1
24	Diode	Transister, N channel MOSFET, Vdss=20V, Vgs=6V, Id=915mA	D902	1
25	Diode	Diode, zener,Vzmin=4.85V,Vzmax=5.36V, Iz=5mA,SOD-123	D910	1
26	Diode	35 V, 5 A, Low VCE(sat) PNP Transistor	D903	1
27	Audion	Transister N channel MOSFET Vdss=20V Vgs=10V Id=238mA	Q701	

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28	IC	SINGLE-CHIP BROADCAST FM RADIO TUNER	U802	1
29	Diode	Diode, zener,Vzmin=6.65V,Vzmax=6.93V, Iz=5mA	D201 D202 D501 D502 D503 D504 D505 D911 D211	9
30	Diode	Diode, Schottky barrier Diode	D901	1
31	Crystal	Crystal, 32.768KHz, +/-20ppm, 12.5pF, 7.0*1.5*1.4(mm)	OSC101	1
32	IC	Filter, Balance Filter for MT5931 WIFI	U402	1
33	Battery	Batt, 0.027mAh, 3.3V, BACKUP BATTERY	BAT901	1
34	Capacitance	Cap,Ceramic,0402,0.5pF,+/-0.25pF,50V,C0G	C801 C642	2
35	Capacitance	Cap,Ceramic,0402,1pF,+/-0.25pF,50V,C0G	C639 C640 C809	3
36	Capacitance	Cap,Ceramic,0402,2.2pF,+/-0.25pF,50V,C0G	C818 C404	2
37	Capacitance	Cap,Ceramic,0402,5pF,+/-0.25pF,50V,C0G	C804	1
38	Capacitance	Cap,Ceramic,0402,6pF,+/-0.1pF,50V,C0G	C632	1
39	Capacitance	Cap,Ceramic,0402,8.2pF,+/-0.5pF,50V,C0G	C829 C830	2
40	Capacitance	Cap,Ceramic,0402,9pF,+/-0.25pF,50V,C0G	C616 C617 C618 C619	4
41	Capacitance	Cap,Ceramic,0402,10pF,+/-0.5pF,50V,C0G	C816 C820 C831 C401 C402	5
42	Capacitance	Cap,Ceramic,0402,12pF,+/-5%,50V,C0G	C802	1
43	Capacitance	Cap,Ceramic,0402,15pF,+/-5%,50V,C0G	C460	1
44	Capacitance	Cap,Ceramic,0402,18pF,+/-5%,50V,C0G	C146 C147 C622 C623 C620 C621	6
45	Capacitance	Cap,Ceramic,0402,22pF,+/-5%,50V,C0G	C631 C633 C636 C637 R614	5
46	Capacitance	Cap,Ceramic,0402,24pF,+/-5%,50V,C0G	C808	1
47	Capacitance	Cap,Ceramic,0402,27pF,+/-5%,50V,C0G	C625 C903	2
48	Capacitance	Cap,Ceramic,0402,39pF,+/-5%,50V,C0G	C215 C216 C218 C219 C227 C228 C231 C232 C233 C234 C236 C606 C608 C624	14
49	Capacitance	Cap,Ceramic,0402,47pF,+/-5%,50V,C0G	C602	1
50	Capacitance	Cap,Ceramic,0402,82pF,+/-5%,50V,C0G	C607 C609	2
51	Capacitance	Cap,Ceramic,0402,100pF,+/-5%,50V,C0G	C209 C501	2
52	Capacitance	Cap,Ceramic,0402,220pF,+/-5%,50V,C0G	C634	1
53	Capacitance	Cap,Ceramic,0402,1000pF,+/-10%,50V,X7R	C604 C629 C916 C917	4
54	Capacitance	Cap,Ceramic,0402,0.022uF,+/-10%,16V,X7R	C811 C821	2
55	Capacitance	Cap,Ceramic,0402,0.033uF,+/-10%,16V,X7R	C612	1
56	Capacitance	Cap,Ceramic,0402,0.1uF,+/-10%,16V,X5R	C201 C204 C210 C211 C301 C302 C603 C605 C610 C613 C614 C615 C630 C635 C805 C806 C807 C911 C926 C935 C937 C512 C934 C449 C450 C451 C452 C455	28
57	Capacitance	Cap,Ceramic,0402,0.22uF,+/-10%,10V,X5R	C611	1

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58	Capacitance	Cap,Ceramic,0402,1uF,+/-10%,6.3V,X5R	C503 C505 C507 C510 C803 C905 C906 C921 C922 C923 C924 C927 C928 C929 C930 C933 C936 C946 C947 C511 C513 C522 C814 C817 C405 C406 C407 C410 C411 C454 C463	31
59	Capacitance	Cap,Ceramic,0603,1uF,+/-10%,25V,X5R	C940	1
60	Capacitance	Cap,Ceramic,0603,4.7uF,+/-10%,6.3V,X5R	C203 C901 C902 C904 C910 C914 C915 C938 C408 C409 C412 C447	12
61	Capacitance	Cap,Ceramic,0603,2.2uF,+/-20%,6.3V,X5R	C701 C907 C912 C913	4
62	Capacitance	Cap,Ceramic,0805,10uF,+/-10%,6.3V,X5R, T=0.95mm max	C207	1
63	Capacitance	Cap,Ceramic,0805,2.2uF,+/- 20%,6.3V,X5R,T=0.95mm max	C628	1
64	Capacitance	Cap,Ceramic,0805,22uF,+/-20%,6.3V,X5R	C202 C214	2
65	Resistance	Cap,Ceramic,0402,4.7pF,+/-0.25pF,50V,C0G	R615	1
66	Inductance	ind,1.0n,+/-0.3n,0402	L805	1
67	Inductance	ind,2.4n,+/-0.3n,0402	L602	1
68	Inductance	ind,5.1n,+/-0.3n,0402	L613	1
69	Inductance	ind,100n,+/-5%,0402	L801	1
70	Inductance	ind,3.3n,+/-0.3n,0402	C638	1
71	Inductance	ind,5.6n,+/-0.3n,0402	L614	1
72	Inductance	ind 6.8n +/-5% 0402	L601	1
73	Inductance	ind,10n,+/-5%,0402	L909	1
74	Inductance	ind,18n,+/-5%,0402	L607	1
75	Inductance	ind,22n,+/-5%,0402	L606	1
76	Inductance	ind,coil,7.5n,+/-2%,0402	L802	1
77	Inductance	Ind power 4.7uH +/-20% 2*1.2*1.0mm 800mA DCR0.25ohm	L905 L906	2
78	Inductance	Ind power 2.2uH +/-20% 2*1.2*1.0mm 800mA DCR0.25ohm	L402	1
79	Inductance	EMI Bead, 1channel, 180Ω at 100MHz, 200mA, 0603	L403	1
80	Inductance	EMI Bead, 1channel, 600Ω at 100MHz, 500mA, 0603	L210	1
81	Inductance	Ferrite Bead,0402,75Ohm@100MHz,0.3Ohm DCR,600mA	L503	1
82	Crystal	Crystal,26MHz,2.5*3.2*0.7mm	OSC601	1
83	Crystal	Crystal,26MHz,2.5*2.0*0.6mm	OSC401	1
84	IC	LDO,2.8V 200mA Single,USP-4	U508	1
85	Resistance	res,0,+/-5%,0402,1/16W	L206 L207 R216 R217 R426 R501 R502 R504 R505 R617 R620 R801 R802 R903 R905 R906 R910 R911 C644 R425	20

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86	Resistance	res,10,+/-5%,0402,1/16W	R606	1
87	Resistance	res,51,+/-5%,0402,1/16W	R618	1
88	Resistance	res,56,+/-5%,0402,1/16W	R607	1
89	Resistance	res,82,+/-5%,0402,1/16W	R648	1
90	Resistance	res,100,+/-5%,0402,1/16W	R220 R221	2
91	Resistance	res,510,+/-5%,0402,1/16W	R707 R708 R709 R710 R711 R712 R715 R716 R717 R718 R719 R721 R722 R723 R724 R728 R729 R732	18
92	Resistance	res,1K,+/-5%,0402,1/16W	R201 R204 R208 R211 R215 R601 R611 R612 R623 R902 R904	11
93	Resistance	res,1K5,+/-5%,0402,1/16W	R203 R207 R209	3
94	Resistance	res,1K8,+/-5%,0402,1/16W	R105	1
95	Resistance	res,2K2,+/-5%,0402,1/16W	R602 R603 R604 R605	4
96	Resistance	res,4K7,+/-5%,0402,1/16W	R503 R507 R508 R514 R516	5
97	Resistance	res,7K5,+/-5%,0402,1/16W	R913	1
98	Resistance	res,10K,+/-5%,0402,1/16W	R613 R536 R537 R403	4
99	Resistance	res,15K,+/-5%,0402,1/16W	R803	1
100	Resistance	res,24K,+/-5%,0402,1/16W	R616	1
101	Resistance	res,47K,+/-5%,0402,1/16W	R701 R702 R703 R704 R705 R706	6
102	Resistance	res,51K,+/-5%,0402,1/16W	R301	1
103	Resistance	res,100K,+/-5%,0402,1/16W	R518 R411	2
104	Resistance	res,330K,+/-5%,0402,1/16W	R914	1
105	Resistance	res,5K1,+/-1%,0402,1/16W	R106	1
106	Resistance	res,39K,+/-1%,0402,1/16W	R901	1
107	Resistance	res,0,+/-5%,0603,1/10W	R909	1
108	Resistance	res, 0.2,+/-1%,0805,1/8W	R912	1
109	Resistance	res,820K,+/-5%,0402,1/16W	R510	1
110	Resistance	res,12,+/-5%,0402,1/16W	R525	1
111	Resistance	res,49.9,+/-1%,0402,1/16W	R402	1

