

Main Board BOM

Item	Supplier P/N	Rev	Description	QTY	Ref. No.
1			Main PCBA	1	
2	MB1116T200		Main PCB, 6layers	1	
3	QSC6085-1		QSC6085-1 BASEBAND, QUALCOMM Single Chip, 424 CSP	1	U501
4	MT29C1G12MAVNAJC-6 IT		Memory, 1Gbit(16bit) NAND FLASH and 512Mbit(16bit) DDR, 166M, 1.8V, 107TBGA Package	1	U1001
5	BTS4025		BTS4025 System-on-Chip Bluetooth, WLCSP36PIN, 3.18*2.86*0.6mm	1	U1101
6	WS1103-TR1		RF PA, CDMA 95A/B, CDMA2000-1X/EVDO, 8-pin surface mounting package (3mm*3mm*1.4mm)	1	U205
7	NMI5625		DTV & FM Single-Chip CMOS Receiver IC	1	U1801
8	RDA5802NS		FM Tuner, 3*3 20pin QFN	1	U1501
9	FAR-D5NC-881M50-M11B		SAW duplexer, CDMA cellular band(836.5/881.5MHz), 2.5*2.0*0.6mm	1	F101
10	FAR-F5KA-836M50-D4DF-Z		SAW Filter for CDMA cellular band Tx(836.5MHz), 1.4*1.0*0.5mm, 50/50ohm unbalance	1	U201
11	FAR-F5KB-881M50-B4ED-Z		SAW Filter for CDMA cellular band Rx(881.5MHz), 1.4*1.0*0.5mm, 50/100ohm	1	U301
12	LDC18836M20Q-368		Coupler, 836MHz	1	U207
13	LFB182G45SG9A293		Bluetooth Band pass filter, 2.4G	1	U1102
14	LDA313G0313F-240		Chip Antenna, 2.4G	1	J1201
15	SSP-T7-F(7.0pf, ±20ppm)		Crystal, 32.768KHz, +/-20ppm, 7pF, 7.0*1.5*1.4(mm)	1	Y501
16	1XTV19200ACH		VCO, 19.2MHz, +2.8V, 3.2*2.5*0.9(mm)	1	Y502
17	7M26000314		Crystal, 26Mhz, +/-10 ppm, 8.5pF, 3.2*2.5	1	Y1801
18	7M32000035		Crystal, 32Mhz, +/-15 ppm	1	Y1101

19	AW9523BTOR		Multi-function I/O Drive, 16 bit	1	U1
20	AW8735TQR		K class audio amplifier,NCN function, 3mm×3mm 20-Pin TQFN	1	U1401
21	XC6221A282MR		RF LDO ,high speed, 2. 8V, SOT23-5	1	U202
22	SGM2019-1. 8YN5G/TR		LDO, 1. 8V, SOT23-5	1	U1203
23	ECT818000001		Coxial connector	1	J101
24	99-213UMC-3640661-TR8-T		Side View White LEDs (0. 8mm)	5	D1601 D1602 D1603 D1604 D1701
25	M74VHC1GT50DFT2G		CMOS logic Level shifter, 3. 5ns, SOT-353 (Pb-Free)	1	U1103
26	MBT35200MT1G		Transistor, PNP , Vcbo=55V, Ic=2A	1	Q601
27	NTS2101PT1G		Transister, P channel MOSFET, Vdss=8V, Vgs=8V, Id=1. 4A	1	Q602
28	DTC114TET1G		Transistor, NPN, Iceo=500nA, Vce=50V	1	Q1401
29	RB520S-30FJTE61		Schottky barrier diode	1	D1605
30	PESD5V0S1BL		TVS, bidirectional Esd protection, 5V, 35pf, SOD882 , 1. 0 x 0. 6 x 0. 5 mm	1	D1801
31	AVLC18S02015		Chip Varistor, 0402, 18V, 15pF	2	R1202 R1306
32	AVLC5S02050		Chip Varistor, 0402, 5. 5V, 50pF	29	D1402 R608 R1302 R1401 R1410 R1411 R1412 R1420 R1421 R1422 R1427 R1428 R1614 R1615 R1616 R1617 R1618 R1619 R1620 R1621 R1622 R1623 R1624 R1625 R1626 R1627 R1628 R1629 R1706
33	AIES12U020R2		ESD-Suppressor, 12V, 0. 2pF, 0402, for usb protection	2	D1301 D1302
34	AVRC14S05Q030100R		4-line EMI/ESD, RC Type, 14V, 30pF, 100ohm, 0805	2	U1201 U1202
35	MPL2016S4R7NHT		Ind power, 4. 7u, +/-30%, 2. 0*1. 6mm	2	L601 L602
36	GZ1005U102TF		Chip Ferrite Bead, 0402, 1000ohm at 100MHz	5	L1405 L1406 L1407 L1801 L1802
37	PZ1608U221-1R4TF		Chip Ferrite Bead, 0603, 220ohm at 100MHz	2	L1403 L1404

38	B30-CY03P-400-000	3PIN, Pitch3.0, Battery connector	1	CN1301
39	USB-MC05-245-002	micro usb, 5pin	1	CN1302
40	MSD-QS08-200-000	T-Flash card connector	1	CN1303
41	J35-PT04-470-002	Audio Jack, $\Phi 3.5$, SMT	1	CN1401
42	SDNT1005X104F4250FTF	NTC Thermisor , 100K, 1%	1	R203
43	SDCL1005C1N5STD(f)	ind, 1.5n, $\pm 0.3n$, 0402	1	L1103
44	SDCL1005C2N7STD(f)	ind, 2.7n, $\pm 0.3n$, 0402	1	L105
45	SDCL1005C3N3STD(f)	ind, 3.3n, $\pm 0.3n$, 0402	1	L102
46	SDCL1005C4N3STD(f)	ind, 4.3n, $\pm 0.3n$, 0402	2	L401 L402
47	SDCL1005C8N2JTD(f)	ind, 8.2n, $\pm 5\%$, 0402	1	L103
48	SDCL1005C9N1JTD(f)	ind, 9.1n, $\pm 5\%$, 0402	1	L1803
49	SDCL1005C10NJTD(f)	ind, 10n, $\pm 5\%$, 0402	1	L303
50	SDCL1005C12NJTD(f)	ind, 12n, $\pm 5\%$, 0402	1	L301
51	SDCL1005CR10JTD(f)	ind, 100n, $\pm 5\%$, 0402	2	L1401 L1402
52	SDCL1608CR15JTD(f)	ind, 150n, $\pm 5\%$, 0603	2	L1805 L1806
53	C0402C0G1R0B500NT	cap, 1p, $\pm 0.1p$, 50V, C0G, 0402	1	C1812
54	C0402C0G1R5B500NT	cap. 1.5pf, $\pm 0.1pf$, 50V, C0G, 0402	1	C402
55	C0402C0G2R7B500NT	cap, 2.7p, $\pm 0.1p$, 50V, C0G, 0402	1	C101
56	C0402C0G6R8C500NT	cap, 6.8p, $\pm 0.25p$, 50V, C0G, 0402	3	C1106 C1819 C1820
57	C0402C0G8R2D500NT	cap, 8.2p, $\pm 0.5p$, 50V, C0G, 0402	2	C1101 C1102
58	C0402C0G120J500NT	cap, 12p, $\pm 5\%$, 50V, C0G, 0402	2	C501 C502
59	C0402C0G180J500NT	cap, 18p, $\pm 5\%$, 50V, C0G, 0402	2	C1110 C1112
60	C0402C0G200J500NT	cap, 20p, $\pm 5\%$, 50V, C0G, 0402	1	C301
61	C0402C0G220J500NT	cap, 22p, $\pm 5\%$, 50V, C0G, 0402	1	C1813
62	C0402C0G270J500NT	cap, 27p, $\pm 5\%$, 50V, C0G, 0402	3	C1425 C1426 C1818
63	C0402C0G330J500NT	cap, 33p, $\pm 5\%$, 50V, C0G, 0402	6	C1203 C1206 C1207 C1208 C1209 C1404
64	C0402C0G820J500NT	cap, 82p, $\pm 5\%$, 50V, C0G, 0402	2	C401 C403

65	C0402C0G101J500NT		cap, 100p, +/-5%, 50V, C0G, 0402	18	C102 C201 C204 C207 C216 C409 C512 C625 C627 C1201 C1202 C1204 C1205 C1301 C1401 C1403 C1424 C1602
66	C0402X7R221K500NT		cap, 220p, +/-10%, 50V, X7R, 0402	2	C407 C1407
67	C0402X7R102K500NT		cap, 1n, +/-10%, 50V, X7R, 0402	13	C205 C304 C504 C601 C604 C622 C1412 C1413 C1416 C1417 C1418 C1419 C1420
68	C0402X7R332K500NT		cap, 3.3n, +/-10%, 50V, X7R, 0402	1	C408
69	C0402X7R472K500NT		cap, 4.7n, +/-10%, 50V, X7R, 0402	2	C308 C310
70	C0402X7R562K250NT		cap, 5.6n, +/-10%, 25V, X7R, 0402	1	C1817
71	C0402X7R103K250NT		cap, 10n, +/-10%, 25V, X7R, 0402	3	C203 C507 C1228
72	C0402X7R223K160NT		cap, 22n, +/-10%, 16V, X7R, 0402	4	C1405 C1406 C1821 C1822
73	C0402X7R333K160NT		cap, 33n, +/-10%, 16V, X7R, 0402	1	C506
74	C0402X7R683K100NT		cap, 68n, +/-10%, 10V, X7R, 0402	1	C311
75	C0402X7R823K100NT		cap, 82n, +/-10%, 10V, X7R, 0402	1	C309
76	C0402X5R104K100NT		cap, 100n, +/-10%, 10V, X5R, 0402	29	C208 C303 C503 C505 C508 C509 C510 C511 C513 C603 C710 C711 C712 C713 C714 C716 C717 C1001 C1114 C1211 C1302 C1423 C1601 C1603 C1802 C1803 C1805 C1806 C1807
77	C0402X5R224K6R3NT		cap, 220n, +/-10%, 6.3V, X5R, 0402	1	C209
78	C0402X5R105K6R3NT		cap, 1.0u, +/-10%, 6.3V, X5R, 0402	26	C613 C619 C621 C701 C702 C703 C704 C705 C706 C707 C708 C709 C715 C1103 C1104 C1105 C1107 C1210 C1226 C1227 C1422 C1801 C1804 C1808 C1825 C1826

79	C0402X5R225M6R3NT		cap, 2. 2u, +/-20%, 6. 3V, X5R, 0402	7	C610 C611 C612 C616 C618 C620 C628
80	C0603X5R225K6R3NT		cap, 2. 2u, +/-10%, 6. 3V, X5R, 0603	1	C623
81	C0603X5R475K6R3NT		cap, 4. 7u, +/-10%, 6. 3V, X5R, 0603	9	C206 C602 C605 C607 C614 C615 C617 C624 C1410
82	C0603X5R106M6R3NT		cap, 10u, +/-20%, 6. 3V, X5R, 0603	1	C1408
83	C0805X5R106K6R3NTM		cap, 10u, +/-20%, 6. 3V, X5R, 0805	1	C606
84	C0805X5R226M6R3NTM		cap, 22u, +/-20%, 6. 3V, X5R, 0805	3	C626 C1414 C1415
85	C0805X5R106K100NTM		cap, 10u, +/-10%, 10V, X5R, 0805	1	C1409
86	RL0805FR-070R1L		res, 0. 1, +/-1%, 0805, 0. 125W	1	R607
87	RC0402FR-07499RL		res, 499, +/-1%, 0402, 0. 0625W	1	R308
88	RC0402FR-075K1L		res, 5. 1k, +/-1%, 0402, 0. 0625W	2	R302 R402
89	RC0402FR-0740K2L		res, 40. 2K, +/-1%, 0402, 0. 0625W	1	R202
90	RC0402FR-0712KL		res, 12k, +/-1%, 0402, 0. 0625W	1	R403
91	RC0402FR-07121KL		res, 121K, +/-1%, 0402, 0. 0625W	1	R502
92	RC0402FR-07619KL		res, 619K, +/-1%, 0402, 0. 0625W	1	R204
93	RC0402JR-070RL		res, 0, +/-5%, 0402, 0. 0625W	29	R101 R103 R104 R201 R304 R401 R419 R505 R602 R603 R804 R1101 R1103 R1104 R1105 R1106 R1116 R1201 R1304 R1305 R1308 R1403 R1430 R1431 R1705 R1801 R1813 R1814 R1419
94	RC0402JR-072R2L		res, 2. 2, +/-5%, 0402, 0. 0625W	1	R701
95	RC0402JR-074R7L		res, 4. 7, +/-5%, 0402, 0. 0625W	2	R702 R1203
96	RC0402JR-0710RL		res, 10, +/-5%, 0402, 0. 0625W	1	R703
97	RC0402JR-0724RL		res, 24, +/-5%, 0402, 0. 0625W	2	R1601 R1602
98	RC0402JR-0751RL		res, 51, +/-5%, 0402, 0. 0625W	1	R205
99	RC0402JR-07100RL		res, 100, +/-5%, 0402, 0. 0625W	3	R208 R210 R504
100	RC0402JR-07120RL		res, 120, +/-5%, 0402, 0. 0625W	1	R606

101	RC0402JR-07150RL		res, 150, +/-5%, 0402, 0.0625W	1	R209
102	RC0402JR-07240RL		res, 240, +/-5%, 0402, 0.0625W	1	R303
103	RC0402JR-07470RL		res, 470, +/-5%, 0402, 0.0625W	11	R1802 R1803 R1804 R1805 R1806 R1807 R1808 R1809 R1810 R1811 R1812
104	RC0402JR-07560RL		res, 560, +/-5%, 0402, 0.0625W	1	R307
105	RC0402JR-071KL		res, 1k, +/-5%, 0402, 0.0625W	4	R501 R1301 R1815 R1817
106	RC0402JR-072KL		res, 2k, +/-5%, 0402, 0.0625W	3	R503 R1415 R1424
107	RC0402JR-072K2L		res, 2.2k, +/-5%, 0402, 0.0625W	2	R1426 R1429
108	RC0402JR-074K7L		res, 4.7k, +/-5%, 0402, 0.0625W	5	R802 R803 R1603 R1604 R1605
109	RC0402JR-0710KL		res, 10k, +/-5%, 0402, 0.0625W	12	R211 R604 R801 R1003 R1309 R1310 R1311 R1313 R1314 R1404 R1405 R1406
110	RC0402JR-0715KL		res, 15k, +/-5%, 0402, 0.0625W	3	R1307 R1413 R1414
111	RC0402JR-0747KL		res, 47k, +/-5%, 0402, 0.0625W	2	R605 R1303
112	RC0402JR-07100KL		res, 100k, +/-5%, 0402, 0.0625W	11	R1205 R1416 R1423 R1606 R1607 R1608 R1609 R1610 R1611 R1612 R1613
113	RC0402JR-07470KL		res, 470k, +/-5%, 0402, 0.0625W	2	R1107 R1425
114	SH1321T200		BB shielding frame	1	SH1
115	SH1326T200		BB shielding cover	1	
116	SH1322T100		BT shielding	1	SH2
117	SH1323T100		Audio_PA shielding	1	SH3
118	SH1324T100		DTV shielding	1	SH4
119	SH1325T100		Other shielding	1	SH5
新增	TP-180-001		SMT ANTENNA SPRING, 1.8mm	2	ANT1 ANT2