

Circuit Material Of MainBoard		NEWIQ_V20_BOM_NM_20111101		
ITEM	Part Spec and description Detail	MFG P/N	Qty /set	Logic Reference
1	Baseband Processor	MT6252	1	U201
2	Serial Flash (64M,1.8V,8-WSON,5.0×6.0×0.8mm)	MX25U6435EZNI-10G	1	U202
3	Crystal for MT6252 (26MHz)	7M26000028	1	U103
4	Crystal for BB (32KHz, 12.5pF)	SSP-T7-F MC146	1	X301
5	TX Model (Quad band,6.0×6.0×1.1mm)	RDA6232	1	U101
6	RX SAW for GSM900&DCS1800(18×14)	SAWEN942MCM0F00	1	F102
7	RX SAW for GSM850(14×11)	SAFEA881MFL0F00	1	F103
8	RX SAW for DCS1900(14×11)	SAFEA1G96FA0F00	1	F101
9	BT+FM module(6.0×6.0mm,QFN-40)	RDA5875	1	U401
10	PNP Power Transistor(SOT23-6L,3A)	STT818B PT236T30E2	1	U301
11	Field-Effect Transistor(N-ch)	SSM3K35MFV PNM723T703E0-2	1	Q301
12	Transistor	DTC114EET1 DTC114EET1G SEC114EE DTC114EETL	1	Q602
13	White LED (0603)0.4H	GT197 LTW-C193SN5	11	D701, D702, D703, D704, D705, D706, D707, D708, D709, D710, D711
14	Battery Con(3.5mmH)	BT11-03AB10-00	1	J301
15	EAR Jack(3.5mm)	3F47-0	1	J501
16	T-flash Socket	TF01-08AB05-00	1	J703
17	SIM Socket	SM06-06AB05-00	2	J701, J702
18	USB Con(5Pin)	MU05-05AB05-03	1	J705
19	RF Con	MM8430-2610RB3 KMC-1001-F007-7F C90-101-0004 MM8430-2610RA1	1	J101
20	Cap 1pF,0402,C0G,50V,±0.25pF	CC0402CRNPO9BN1R0	1	C404
21	Cap 2.7pF,0402,C0G,50V,±0.25pF	CC0402CRNPO9BN2R7	1	C415

22	Cap 3.9pF,0402,C0G,50V,±0.25pF	CC0402CRNPO9BN3R9	4	C126, C127, C128, C129
23	Cap 5.6pF,0402,C0G,50V,±0.25pF	CC0402CRNPO9BN5R6	5	C130, C131, C132, C133, C134
24	Cap 6pF,0402,C0G,50V,±0.25pF	CC0402CRNPO9BN6R0	1	C112
25	Cap 10pF,0402,C0G,50V,±5%	CC0402JRNPO9BN100	1	C405
26	Cap 18pF,0402,C0G,50V,±5%	CC0402JRNPO9BN180	4	C135, C139, C304, C305
27	Cap 22pF,0402,C0G,50V,±5%	CC0402JRNPO9BN220	8	C106, C107, C108, C109, C116, C118, C119, C121
28	Cap 33pF,0402,C0G,50V,±5%	CC0402JRNPO9BN330	10	C503, C505, C510, C511, C516, C517, C518, C520, C526, C528
29	Cap 47pF,0402,C0G,50V,±5%	CC0402JRNPO9BN470	1	C105
30	Cap 100pF,0402,C0G,50V,±5%	CC0402JRNPO9BN101	9	C111, C114, C115, C416, C504, C509, C515, C519, C527
31	Cap 1nF,0402,X7R,50V,±10%	CC0402KRX7R9BB102	3	C113, C138, C408
32	Cap 100nF,0402,X5R,10V,±10%	CC0402KRX5R6BB104	7	C407, C409, C501, C502, C512, C513, C602,
33	Cap 1uF,0402,X5R,6.3V,±10%	CC0402KRX5R5BB105	21	C136, C137, C202, C302, C303, C306, C309, C310, C311, C312, C313, C323, C324, C411, C601, C603, C604, C605, C606, C70
34	Cap 1uF,0603,X5R,6.3V,±10%	CC0603KRX5R5BB105	2	C316, C318,
35	Cap 4.7uF,0603,X5R,6.3V,±10%	CC0603KRX5R5BB475	10	C201, C301, C307, C308, C314, C319, C325, C406, C410, C421,
36	Cap 10uF,0805,X5R,6.3V,±10%	CC0805KRX5R5BB106	6	C110, C317, C506, C507, C508, C514,
37	Res 0R,0402,±5%	RC0402JR-070RL	18	C104, L101, R105, R106, R107, R108, R301, R302, R303, R309, B401, R403, R404, R407, B507, B508, B601, R604,
38	Res 5.1R,0402,±5%	RC0402JR-075R1L	2	R715, R716
39	Res 30R,0402,±5%	RC0402JR-0730RL	12	R704, R705, R706, R707, R708, R709, R710, R711, R712, R713, R714, R607
40	Res 100R,0402,±5%	RC0402JR-07100RL	2	R504, R505
41	Res 1K,0402,±5%	RC0402JR-071KL	11	R103, R109, R110, R111, R305, R307, R501, R503, R506, R507, R510
42	Res 1.5K,0402,±5%	RC0402JR-071K5L	3	R502, R508, R509
43	Res 7.5K,0402,±5%	RC0402JR-077K5L	1	R312
44	Res 10K,0402,±5%	RC0402JR-0710KL	4	R102, R701, R702, R703,
45	Res 27K,0402,±5%	RC0402JR-0727KL	1	R104

46	Res 39K,0402,±1%	RC0402FR-0739KL	1	R311
47	Res 47K,0402,±5%	RC0402JR-0747KL	2	R602, R603
47	Res 100K,0402,±5%	RC0402JR-07100KL	7	R201, R203, R204, R205, R601, R606, R608,
48	Res 330K,0402,±1%	RC0402FR-07330KL	1	R310
49	Res 0R,0603,±5%	RC0603JR-070RL	2	L201, R316,
50	Res 0.20R,0805,±1%,1/4W	RL0805FR-7W0R2L	1	R315
51	Inductor 1.2nH,0402,±0.3nH,300mA	LQG15HS1N2S02D SDCL1005C1N2STDF	2	L106, L107
52	Inductor 1.5nH,0402,±0.3nH,300mA	LQG15HS1N5S02D SDCL1005C1N5STDF	2	L104, L105
53	Inductor 1.8nH,0402,±0.3nH,300mA	LQG15HS1N8S02D SDCL1005C1N8STDF	1	C103,
54	Inductor 2.4nH,0402,±0.3nH,300mA	LQG15HS2N4S02D SDCL1005C2N4STDF	1	L403
55	Inductor 3.0nH,0402,±0.3nH,300mA	LQG15HS3N0S02D SDCL1005C3N0STDF	1	L402
56	Inductor 3.9nH,0402,±0.3nH,300mA	LQG15HS3N9S02D SDCL1005C3N9STDF	2	L109, L111
57	Inductor 15nH,0402,±5%,,300mA	LQG15HS15NJ02D SDCL1005C15NJTDF	1	L113, L115
58	Bead 600R(100MHz),1K(1GHz), 0402,300mA,0.7ohm	BLM15HG601SN1	7	B501, B502, B503, B504, B505, B506, B509
59	Zener Diode (5.1V,500mW,EMD2,0603,0.6H)	PZ5D4V2H	1	D302
60	Shielding Case (BB)		1	
61	MAIN PCB	TI NEW Q1 MB V20	1	