

Parts list

Circuit Material Of MainBoard		KOL_MB_V20_BOM_NM_20110620			
ITEM	Part Spec and description Detail	MFG P/N	Qty /set	Logic Reference	MFG
1	Baseband Processor	MT6252	1	U201	MTK
2	Serial Flash (64M,1.8V,8-WSON,5.0×6.0×0.8mm)	MX25U6435EZNI-10G	1	U202	MXIC
3	Crystal for MT6252 (26MHz)	7M26000028	1	X101	TXC
4	Crystal for BB (32KHz, 12.5pF)	SSP-T7-F MC146	1	X301	SII Epson
5	TX Model (Quad band,6.0×6.0×1.1mm)	RDA6232	1	U101	RDA
6	RX SAW for GSM900&DCS1800(18×14)	SAWEN942MCM0F00	1	F102	MURATA
7	RX SAW for GSM850(14×11)	SAFEA881MFL0F00	1	F103	Murata
8	RX SAW for DCS1900(14×11)	SAFEA1G96FA0F00	1	F101	Murata
9	FM tuner	KT0812G	1	U402	KTM
10	PNP Power Transistor(SOT23-6L,3A)	STT818B PT236T30E2	1	U301	ST Prisemi
11	Field-Effect Transistor(N-ch)	SSM3K35MFV PNM723T703E0-2	1	Q301	Toshiba Prisemi
12	Transistor	DTC114EET1 DTC114EET1G SEC114EE DTC114EETL	1	Q701	ON ON SINO-IC ROHM
13	White LED (0603)0.4H	GT197 A-SP194W1D-C01-3T LTW-C193SN5	8	D701, D702, D703, D704, D705, D706, D707, D708	Everlight LITEON
14	Zener Diode (5.1V,500mW,EMD2,0603,0.6H)	PZ5D4V2H	1	D301	Prisemi
15	Battery Con(3.5mmH)	BT16-03AB05-00	1	J301	TOPCON
16	EAR Jack(3.5mm)	JAF00-06407-2510 3F40	1	J501	LCN
17	T-flash Socket	TF01-08AB05-01	1	J701	TOPCON
18	SIM Socket	SM22-06AB05-00	2	J702, J703	TOPCON
19	USB Con(5Pin)	MU05-05AB05-03	1	J705	TOPCON
20	RF Con	MM8430-2610RB3 KMC-1001-F007-7F C90-101-0004 MM8430-2610RA1	1	J101	Murata FOXCONN Speed-tech Murata
21	Cap 3.9pF,0402,COG,50V,±0.25pF	CC0402CRNPO9BN3R9	4	C126, C127, C128, C129	YAGEO

22	Cap 5.6pF,0402,C0G,50V,±0.25pF	CC0402CRNPO9BN5R6	5	C130, C131, C132, C133, C134	YAGEO
23	Cap 6pF,0402,C0G,50V,±0.25pF	CC0402CRNPO9BN6R0	1	C112	YAGEO
24	Cap 18pF,0402,C0G,50V,±5%	CC0402JRNPO9BN180	4	C135, C139, C304, C305	YAGEO
25	Cap 22pF,0402,C0G,50V,±5%	CC0402JRNPO9BN220	9	C106, C107, C108, C109, C116, C121, C118, C119, C422	YAGEO
26	Cap 33pF,0402,C0G,50V,±5%	CC0402JRNPO9BN330	10	C503, C505, C510, C511, C516, C517, C518, C520, C526, C528	YAGEO
27	Cap 47pF,0402,C0G,50V,±5%	CC0402JRNPO9BN470	1	C105	YAGEO
28	Cap 100pF,0402,C0G,50V,±5%	CC0402JRNPO9BN101	8	C111, C114, C115, C504, C509, C515, C519, C527	YAGEO
29	Cap 1nF,0402,X7R,50V,±10%	CC0402KRX7R9BB102	2	C113, C138	YAGEO
30	Cap 100nF,0402,X5R,10V,±10%	CC0402KRX5R6BB104	8	C424, C425, C428, C501, C502, C512, C513, C604	YAGEO
31	Cap 1uF,0402,X5R,6.3V,±10%	CC0402KRX5R5BB105	19	C136, C137, C202, C302, C303, C306, C310, C323, C426, C427, C701, C705, C709, C710, C309, C601, C602, C603, C605	YAGEO
32	Cap 1uF,0603,X5R,6.3V,±10%	CC0603KRX5R5BB105	2	C316, C318	YAGEO
33	Cap 4.7uF,0603,X5R,6.3V,±10%	CC0603KRX5R5BB475	8	C307, C308, C314, C319, C321, C421, C201, C301	YAGEO
34	Cap 10uF,0805,X5R,6.3V,±10%	CC0805KRX5R5BB106	6	C110, C507, C508, C317, C506, C514	YAGEO
35	Res 0R,0402,±5%	RC0402JR-070RL	15	R105, R107, R108, R301, R302, R303, R516, R517, R604, R706, C104, L101, B201, R106, R707	YAGEO
36	Res 5.1R,0402,±5%	RC0402JR-075R1L	2	R704, R705	YAGEO
37	Res 10R,0402,±5%	RC0402JR-0710RL	8	R709, R710, R711, R712, R713, R714, R715, R716	YAGEO
38	Res 100R,0402,±5%	RC0402JR-07100RL	2	R504, R505	YAGEO
39	Res 1K,0402,±5%	RC0402JR-071KL	11	R103, R109, R110, R111, R305, R307, R501, R503, R506, R507, R510	YAGEO
40	Res 1.5K,0402,±5%	RC0402JR-071K5L	3	R502, R508, R509	YAGEO
41	Res 7.5K,0402,±5%	RC0402JR-077K5L	1	R312	YAGEO
42	Res 10K,0402,±5%	RC0402JR-0710KL	1	R102	YAGEO
43	Res 24K,0402,±5%	RC0402JR-0724KL	1	R104	YAGEO
44	Res 39K,0402,±1%	RC0402FR-0739KL	1	R311	YAGEO
45	Res 47K,0402,±5%	RC0402JR-0747KL	3	R701, R702, R703	YAGEO
46	Res 100K,0402,±5%	RC0402JR-07100KL	10	R201, R204, R205, R401, R402, R203, R601, R602, R603, R708	YAGEO
47	Res 330K,0402,±1%	RC0402FR-07330KL	1	R310	YAGEO

48	Res 0R,0603,±5%	RC0603JR-070RL	1	R316	YAGEO
49	Res 0.20R,0805,±1%,1/4W	RL0805FR-7W0R2L	1	R315	YAGEO
50	Inductor 1.2nH,0402,±0.3nH,300mA	LQG15HS1N2S02D	2	L106, L107	Murata
51	Inductor 1.5nH,0402,±0.3nH,300mA	LQG15HS1N5S02D	2	L104, L105	Murata
52	Inductor 1.8nH,0402,±0.3nH,300mA	LQG15HS1N8S02D	1	C103	Murata
53	Inductor 4.7nH,0402,±0.3nH,300mA	LQG15HS4N7S02D	2	L109, L111	Murata
54	Inductor 18nH,0402,±5%,,300mA	LQG15HS18NJ02D	1	L113	Murata
55	Inductor 22nH,0402,±5%,,300mA	LQG15HS22NJ02D	1	L115	Murata
56	Inductor 100nH,0402,±5%,150mA	LQG15HSR10J02D	1	L404	Murata
57	Bead 75R(100MHz),270R(1GHz), 0402.300mA.0.55ohm	BLM15BB750SN1	5	B501, B502, B503, B504, B601	Murata
58	Bead 600R(100MHz),1K(1GHz), 0402.300mA.0.7ohm	BLM15HG601SN1	5	B401, B402, B505, B506, B507	Murata
59	Shielding Case (RF)		1		MHD
60	Shielding Case (BB)		1		MHD
61	KOL MAIN PCB	KOL_MB_V20	1		
			199		