

# Main Board BOM

Model: R16

Item	Description	Ref No.	QTY	Supplier P/N
1	MainBoard PCBA		1	
2	MainBoard PCB		1	MR70032V000
3	res 0 +/-5% 0402 1/16W	R101 R205 R206 R210 R211 R215 R216 R301 R302 R305 R309 R315 R407 R501 R502 R509 R510 R511 R512 R513 R705 R708	22	RC0402JR-070RL
4	res 51 +/-5% 0402 1/16W	R401 R402 R403	3	RC0402JR-0751RL
5	res,82,+/-5%,0402,1/16W	R507 R508	2	RC0402JR-0782RL
6	res,100,+/-5%,0402,1/16W	R212 R213	2	RC0402JR-07100RL
7	res 220 +/-5% 0402 1/16W	R601 R602 R603 R604 R605 R606	6	RC0402JR-07220RL
8	res 1K +/-5% 0402 1/16W	R201 R204 R207 R209 R214 R303 R304 R504 R505 R704	10	RC0402JR-071KL
9	res 1K5 +/-5% 0402 1/16W	R202 R203 R208 R307	4	RC0402JR-071K5L
10	res 2K2 +/-5% 0402 1/16W	R702 R703	2	RC0402JR-072K2L
11	res,5K1,+/-5%,0402,1/16W	R701	1	RC0402JR-075K1L
12	res,7K5,+/-5%,0402,1/16W	R313	1	RC0402JR-077K5L
13	res 10K +/-5% 0402 1/16W	R503 R707	2	RC0402JR-0710KL
14	res 24K +/-5% 0402 1/16W	R104 R506	2	RC0402JR-0724KL
15	res 39K +/-5% 0402 1/16W	R312	1	RC0402JR-0739KL
16	res 47K +/-5% 0402 1/16W	R409 R410 R411	3	RC0402JR-0747KL
17	res 75K +/-5% 0402 1/16W	R607	1	RC0402JR-0775KL
18	res 100K +/-5% 0402 1/16W	R102 R106 R107 R108 R608	5	RC0402JR-07100KL
19	res 330K +/-5% 0402 1/16W	R311	1	RC0402JR-07330KL
20	res 0 +/-5% 0603 1/10W	L606 L607	2	RC0603JR-070RL
21	NTC Thermisor ,100K, 1%	R103	1	NCP15WF104F03RC
22	res 0.2 +/-1% 0805 1/8W	R317	1	RL0805FR-070R2L
23	conn-RF bottom H1.75	CONN501	1	MHC-310
24	Conn T-flash flip H1.93	CONN404	1	WKTFFH010-S01
25	6 pin conn-SIM holder wing H1.9	CONN301 CONN302	2	WKSM005-1901
26	Conn-batt 3pin 3pitch side spring H6.0	CONN303	1	WKBAV019-D31
27	5 pin micro usb H=2.5	CONN601	1	WKUBI011-011
28	Cap Ceramic 0402 1pF +/-0.1pF 50V C0G	C506 C507 C711	3	UMK105CG010BW-F
29	Cap,Ceramic,0402,2.7pF,+/-0.25pF,50V,C0G	C708	1	UMK105CG2R7CW-F
30	Cap,Ceramic,0402,5.6pF,+/-0.25pF,50V,C0G	C526	1	UMK105CG5R6CW-F
31	Cap,Ceramic,0402,6pF,+/-0.1pF,50V,C0G	C512	1	UMK105CG060BW-F
32	Cap,Ceramic,0402,7pF,+/-0.25pF,50V,C0G	C524 C525	2	UMK105CG070CW-F
33	Cap,Ceramic,0402,9pF,+/-0.25pF,50V,C0G	C522 C523	2	UMK105CG090CW-F
34	Cap,Ceramic,0402,15pF,+/-5%,50V,C0G	C518 C519	2	UMK105CG150JV-F
35	Cap,Ceramic,0402,18pF,+/-5%,50V,C0G	C520 C521 C527	3	UMK105CG180JV-F
36	Cap,Ceramic,0402,22pF,+/-5%,50V,C0G	C501 C502 C505 C509 C510 C511 C513 C714	8	UMK105CG220JV-F
37	Cap,Ceramic,0402,24pF,+/-5%,50V,C0G	C719	1	UMK105CG240JV-F
38	Cap,Ceramic,0402,27pF,+/-5%,50V,C0G	C304 C305 C517	3	UMK105CG270JV-F
39	Cap,Ceramic,0402,39pF,+/-5%,50V,C0G	C210 C221 C222 C223 C516	5	UMK105CG390JV-F
40	Cap,Ceramic,0402,100pF,+/-5%,50V,C0G	C704	1	UMK105CG101JV-F
41	Cap,Ceramic,0402,220pF,+/-5%,50V,C0G	C508	1	UMK105CG221JV-F

42	Cap Ceramic 0402 0.022uF +/-10% 16V X7R	C601 C602 C605 C720 C721	5	EMK105B7223KV-F
43	Cap Ceramic 0402 0.047uF +/-10% 16V X7R	C715 C716 C717 C718	4	EMK105BJ473KV-F
44	Cap Ceramic 0402 0.1uF +/-10% 16V X5R	C201 C202 C207 C208 C514 C603 C604 C703 C706	9	EMK105BJ104KV-F
45	Cap Ceramic 0402 1uF +/-10% 6.3V X5R	C102 C302 C303 C306 C308 C309 C312 C313 C314 C315 C316 C318 C319 C403 C404 C406 C528 C529 C701 C722 C723	21	JMK105BJ105KV-F
46	Cap Ceramic 0603 1uF +/-10% 25V X5R	C322 C702	2	TMK107BJ105KA-T
47	Cap Ceramic 0603 2.2uF +/-10% 6.3V X5R	C310 C311 C317 C323	4	JMK107BJ225KA-T
48	Cap Ceramic 0603 4.7uF +/-10% 6.3V X5R	C101 C103 C204 C213 C301 C307 C705	7	JMK107BJ475KA-T
49	Cap,Ceramic,0805,22uF,+/-20%,6.3V,X5R	C215 C216	2	JMK212BJ226MG-T
50	Cap Ceramic 0805 22uF +/-20% 6.3V X5R T=0.95mm max	C515	1	JMK212BJ226MD-T
51	ind,2.4n,+/-0.3n,0402	L508 L702	2	SDCL1005C2N4STDF
52	ind,5.1n,+/-0.3n,0402	L516	1	SDCL1005C5N1STDF
53	ind,5.6n,+/-0.3n,0402	L514	1	SDCL1005C5N6STDF
54	ind,100n,+/-5%,0402	L706	1	SDCL1005CR10JTDF
55	ind,120n,+/-5%,0402	L501 L502 L705	3	SDCL1005CR12JTDF
56	ind,3.0n,+/-0.3n,0402	L701	1	SDCL1005C3N0STDF
57	ind,3.3n,+/-0.3n,0402	L504	1	SDCL1005C3N3STDF
58	ind,8.2n,+/-5%,0402	L506	1	SDCL1005C8N2JTDF
59	ind,18n,+/-5%,0402	L510	1	SDCL1005C18NJTDF
60	ind,22n,+/-5%,0402	L512	1	SDCL1005C22NJTDF
61	ind,33n,+/-5%,0402	L704	1	SDCL1005C33NJTDF
62	ind,47n,+/-5%,0402	L703	1	SDCL1005C47NJTDF
63	EMI Bead, 1channel, 600Ω at 100MHz, 500mA, 0603	L604	1	PZ1608D601-R50TF
64	EMI Bead, 1channel, 1KΩ at 100MHz, 100mA, 0603	L601 L602 L603 L605	4	BLM18HD102SN1D
65	Crystal 32.768KHz +/-20ppm 12.5pF 7.0*1.5*1.4(mm)	OSC301	1	SSP-T7-F(12.5pf ±20ppm)
66	Analog switch, 2:1 multiplexer	U601 U602	2	NLASB3157DFT2G
67	Active Duplexer's Amplifier For reusing GSM antenna for FM	U703	1	S7177-TRG
68	Diode, zener,Vzmin=4.85V,Vzmax=5.36V, Iz=5mA,SOD-123	D301	1	MMSZ5V1T1G
69	35 V, 5 A, Low VCE(sat) PNP Transistor	D303	1	NSS35200MR6T1G
70	Transister, N channel MOSFET, Vdss=20V, Vgs=6V, Id=915mA	Q304	1	NTA4153NT1G
71	Diode Schottky barrier Diode	D302	1	RB520S-30FJTE61
72	Crystal 26MHz 2.5*3.2*0.7mm	OSC501	1	7M26000028
73	Diode Blue LED 5mA 2.65~3.15V 1.6*0.8*0.35(mm) 0603	D601 D602 D603 D604 D605 D606	6	LTST-C193SBKT-5A
74	SINGLE-CHIP BROADCAST FM RADIO TUNER	U702	1	RDA5802NM
75	Base band MT6252 11.6mm*12.1mm 305pin TFBGA	U101	1	MT6252A/E
76	Antenna,MULTILAYER CERAMIC ANTENNA	ANT701	1	RFANT3216120A5T
77	SAW Filter,850/900 MHz	U502	1	SF18-0942GASBA1
78	SAW Filter, 1800/1900 MHz	U503	1	SF18-1842PASBA1
79	SKY77542 Tx-Rx iPAC FEM for Dual-Band GSM/GPRS	U501	1	SKY77542
80	64M Serial flash for MT6252A	U102	1	MX25U6435EZNI-10G
81	SINGLE CHIP FOR BLUETOOTH	U701	1	RDA5875
82	BB_SH	SH1	1	MR30093V000