

## Main Board BOM (Model: R23)

Item	Purchase Level	Part No.	Description	Ref No.	QTY	Supplier P/N	Supplier Name	2nd source P/N	2nd source Supplier	Remark
1		A210040V000	MainBoard PCBA							
2	P	MR70026V200	MainBoard PCB		1	MR70026V200	Verykool			
3	P	0600003A001	res 0 +/-5% 0402 1/16W	R101 R102 R110 R114 R407 R522 R523 R702 R704 R804 R805 R910 C143 R1018 R1025 R1026 R1027 R1028	18	RC0402JR-070RL	YAGEO			
4	P	0600003A030	res 15 +/-5% 0402 1/16W	R706	1	RC0402JR-0715RL	YAGEO			
5	P	0600003A043	res 51 +/-5% 0402 1/16W	R109	1	RC0402JR-0751RL	YAGEO			
6	P	0600003A048	res 82 +/-5% 0402 1/16W	R112 R113	2	RC0402JR-0782RL	YAGEO			
7	P	0600003A050	res 100 +/-5% 0402 1/16W	R507 R508	2	RC0402JR-07100RL	YAGEO			
8	P	0600003A074	res 1K +/-5% 0402 1/16W	R103 R105 R106 R111 R403 R503 R504 R506 R509 R511	10	RC0402JR-071KL	YAGEO			
9	P	0600003A078	res 1K5 +/-5% 0402 1/16W	R501 R505 R510	3	RC0402JR-071K5L	YAGEO			
10	P	0600003A082	res 2K2 +/-5% 0402 1/16W	R802 R803	2	RC0402JR-072K2L	YAGEO			
11	P	0600003A086	res 3K3 +/-5% 0402 1/16W	R402	1	RC0402JR-073K3L	YAGEO			
12	P	0600003A090	res 4K7 +/-5% 0402 1/16W	R703 R705	2	RC0402JR-074K7L	YAGEO			
13	P	0600003A095	res 7K5 +/-5% 0402 1/16W	R401	1	RC0402JR-077K5L	YAGEO			
14	P	0600003A098	res 10K +/-5% 0402 1/16W	R201 R104 R1019 R1020	4	RC0402JR-0710KL	YAGEO			
15	P	0600004A107	res 24K +/-1% 0402 1/16W	R409	1	RC0402FR-0724KL	YAGEO			
16	P	0600003A108	res 27K +/-5% 0402 1/16W	R107	1	RC0402JR-0727KL	YAGEO			
17	P	0600003A119	res 75K +/-5% 0402 1/16W	R902	1	RC0402JR-0775KL	YAGEO			
18	P	0600003A122	res 100K +/-5% 0402 1/16W	R205 R901	2	RC0402JR-07100KL	YAGEO			
19	P	0600004A122	res 100K +/-1% 0402 1/16W	R410	1	RC0402FR-07100KL	YAGEO			
20	P	0600004A091	res 5K1 +/-1% 0402 1/16W	R202	1	RC0402FR-075K1L	YAGEO			
21	P	0600005A036	res 27 +/-5% 0603 1/10W	R408	1	RC0603JR-0727RL	YAGEO			
22	P	0600007A058	res 0.2 +/-1% 0805 1/8W	R404	1	RL0805FR-070R2L	YAGEO			
23	P	0900035A001	Conn-BB s 24pin 0.4pitch H0.9	CONN703	1	DF30FC-24DS-0.4V(81)	Hirose			
24	P	0900064A001	conn-switch 0.2mm 4.5×2.3×1.7	S701 S702 S703	3	LS10N2-T	Citizen			
25	P	0900630A001	5 pin micro usb H=2.5	CONN902	1	WKUBI011-011	JTCONN			
26	P	0900556A001	6 pin conn-SIM holder wing H1.9	CONN402 CONN403	2	WKSM005-1901	JTCONN			
27	P	0900498A001	Conn T-flash flip H1.93	CONN901	1	WKTFH010-S01	JTCONN			
28	P	2100005A005	Cap Ceramic 0402 1pF +/-0.1pF 50V C0G	C106 C814 C104	3	CL05C010BB5NNNC	Samsung			
29	P	2100005A020	Cap Ceramic 0402 2.2pF +/-0.1pF 50V C0G	C127	1	CL05C2R2BB5NNNC	Samsung			

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30	P	2100005A024	Cap Ceramic 0402 2.7pF +/-0.25pF 50V C0G	C810	1	CL05C2R7CB5NNNC	Samsung			
31	P	2100005A029	Cap Ceramic 0402 3.9pF +/-0.25p 50V C0G	C123 C124 C125 C126	4	CL05C3R9CB5NNNC	Samsung			
32	P	2100005A074	Cap,Ceramic,0402,47pF,+/-5%,50V,C0G	C135	1	CL05C470JB5NNNC	Samsung			
33	P	2100005A041	Cap Ceramic 0402 6pF +/-0.1pF 50V C0G	C111	1	CL05C060BB5NNNC	Samsung			
34	P	2100005A012	Cap,Ceramic,0402,1.5pF,+/-0.25pF,50V,C0G	C119 C120 C121 C122	4	CL05C1R5CB5NNNC	Samsung			
35	P	2100005A068	Cap Ceramic 0402 22pF +/-5% 50V C0G	C108 C109 C110 C136 C137 C138 C139 C140 C117	9	CL05C220JB5NNNC	Samsung			
36	P	2100005A069	Cap Ceramic 0402 24pF +/-5% 50V C0G	C808	1	CL05C240JB5NNNC	Samsung			
37	P	2100005A070	Cap Ceramic 0402 27pF +/-5% 50V C0G	C411 C412	2	CL05C270JB5NNNC	Samsung			
38	P	2100005A072	Cap Ceramic 0402 39pF +/-5% 50V C0G	C507 C522 C523	3	CL05C390JB5NNNC	Samsung			
39	P	2100005A079	Cap Ceramic 0402 100pF +/-5% 50V C0G	C113 C804	2	CL05C101JB5NNNC	Samsung			
40	P	2100005A085	Cap Ceramic 0402 220pF +/-5% 50V C0G	C107	1	CL05C221JB5NNNC	Samsung			
41	P	2100006A023	Cap Ceramic 0402 1000pF +/-10% 50V X7R	C112 C520 C521	3	CL05B102KB5NNNC	Samsung			
42	P	2100006A039	Cap Ceramic 0402 0.022uF +/-10% 16V X7R	C809 C813	2	CL05B223KO5NNNC	Samsung			
43	P	2100006A052	Cap Ceramic 0402 0.1uF +/-10% 16V X5R	C129 C131 C301 C403 C405 C406 C407 C408 C501 C502 C508 C509 C803 C806 C1028	15	CL05B104KO5NNNC	Samsung			
44	P	2100006A061	Cap Ceramic 0402 1uF +/-10% 6.3V X5R	C128 C130 C201 C202 C409 C410 C416 C419 C420 C421 C422 C424 C425 C426 C427 C428 C429 C430 C431 C703 C801 C811 C812 C902	24	CL05A105KQ5NNNC	Samsung			
45	P	2100006A058	Cap,Ceramic,0402,0.47uF,+/-10%,6.3V,X5R	C1029	1	CL05A474KQ5NNNC	Samsung			
46	P	2100010A072	Cap Ceramic 0603 2.2uF +/-10% 6.3V X5R	C901	1	CL10A225KQ8NNNC	Samsung			
47	P	2100010A076	Cap Ceramic 0603 4.7uF +/-10% 6.3V X5R	C401 C415 C418 C423 C504 C513 C805	7	CL10A475KQ8NNNC	Samsung			
48	P	2100015A029	Cap Ceramic 0805 22uF +/-20% 6.3V X5R	C114 C514 C515	3	CL21A226MQQNNNE	Samsung			
49	P	2100010A071	Cap Ceramic 0603 1uF +/-10% 25V X5R	C404 C802	2	CL10A105KA8NNNC	Samsung			

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50	P	2400002A133	ind 1.5n +/-0.3n 0402	L102 L104	2	SDCL1005C1N5STDF	Sunlord			
51	P	2400002V003	ind 2.4n +/-0.3n 0402	L804	1	SDCL1005C2N4STDF	Sunlord			
52	P	2400002A061	ind 3.0n +/-0.3n 0402	L802	1	SDCL1005C3N0STDF	Sunlord			
53	P	2400002A142	ind,3.6n,+/-0.3n,0402	L114	1	SDCL1005C3N6STF	Sunlord			
54	P	2400002A064	ind 4.7n +/-0.3n 0402	L111 L113	2	SDCL1005C4N7STDF	Sunlord			
55	P	2400002A068	ind 8.2n +/-5% 0402	C144 C141	2	SDCL1005C8N2JTDF	Sunlord			
56	P	2400002A074	ind,22n,+/-5%,0402	L107 L109	2	SDCL1005C22NJTDF	Sunlord			
57	P	2400002A082	ind 100n +/-5% 0402	L803	1	SDCL1005CR10JTDF	Sunlord			
58	P	4800085A001	Diode zener Vzmin=6.65V Vzmax=6.93V Iz=5mA	D701 D702 D703 D704 D705 D706 D707 D708	8	VDZT2R6.8B	ROHM			
59	P	4700001V001	EMI Bead, 1channel, 600Ω at 100MHz, 500mA, 0603	R904	1	PZ1608D601-R50TF	Sunlord			
60	P	2400007A109	Ind power 4.7uH+/-20%, 2*1.6*1mm 300mA DCR0.8ohm	L405	1	SQC201609T-4R7M-NS	Chilisin			
61	P	4700023A001	EMI Bead, 1channel, 1KΩ at 100MHz, 100mA, 0603	L901 L902 L903	3	BLM18HD102SN1D	Murata	HZ1608K102 TDF	Sunlord	
62	P	4700028A001	EMI Bead, 1channel, 60 ohm at 100MHz, 200mA, 0402	L103 L201 L202 L401 L402 L503 L504 L505 L506 R512 R513 R515 R514	13	SZ1005G600T(f)	Sunlord			
63	P	4800030A001	Crystal 32.768KHz +/-20ppm 12.5pF 7.0*1.5*1.4(mm)	OSC401	1	SSP-T7-F(12.5pf ± 20ppm)	Seiko			
64	P	4800003V001	P-Channel 1.8v(G-S) MOSFET Wlith Schottky Diode 1206-8 ChipFET	U401	1	TT8U2FU7TR	ROHM	ASM5853F/T R-LF	A1semi	
65	P	4800507A001	26M Crystal, 7.3pF, 3.2*2.5*0.7mm, for 6253	OSC101	1	TZ1689A	TAISAW			
66	P	5100044V001	Base band 6253 11.5mm*11.5mm 261pin AQFN	U201	1	MT6253DVN	MTK			
67	P	5100046V001	128Mb NOR+64Mb RAM, 1.8V, 52ball FBGA, 6*6*1.0mm	U301	1	K5N2866ATF-BQ12	samsung			
68	P	4800010V001	Diode zener Vzmin=4.85V Vzmax=5.36V Iz=5mA SOD-123	D402	1	MMSZ5V1T1G	Onsemi	MMSZ5231B	JCST	
69	P	5100038V001	SINGLE-CHIP BROADCAST FM RADIO TUNER	U802	1	RDA5802NS	RDA			
70	P	0900065A001	conn-RF bottom H1.75	CONN101	1	MHC-310	Amphenol KAE	C90-101-0004	SPEED TECH CORP	
71	P	5101408A001	USB 2.0 High-Speed and Audio Switches,UMLP,1.4X1.8	U901	1	FSA321UMX	Fairchild	BCT4321AET B-TR	broadchip	
72	P	5100040V001	SINGLE CHIP FOR BLUETOOTH	U801	1	RDA5875	RDA			
73	P	5100041V001	GSM Qband PA 6*6	U101	1	RDA6232	RDA			

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74	P	0900002V001	BAT CONN	CONN401	1	SDL-16	杭州日月			
75	P	9100006V001	6PIN 850MHz SAW Filter	U102	1	SFH881TQ302	WISOL			
76	P	9100007V001	6PIN 900MHz SAW Filter	U103	1	SFH942TQ302	WISOL			
77	P	9100008V001	6PIN 1800MHz SAW Filter	U104	1	SFHG42TQ302	WISOL			
78	P	9100009V001	6PIN 1900MHz SAW Filter	U105	1	SFHG60TQ302	WISOL			
79	P	MR30077V000	SH	SH1	1	126-SH2	远舟			