

Main Board BOM

Item	Part No.	Description	Ref No.	QTY	Supplier P/N	Supplier Name	2nd source P/N	2nd source Supplier	Remark
1	MR70022V300	MainBoard PCB			MR70022V300	Verykool			
2	0600003A001	res,0,+/-5%,0402,1/16W	R210 R213 R501 R607 R608 R617 R650 R902 R903 R911 R914 R850 R230 R231 R915	15	RC0402JR-070RL	YAGEO			
3	0600003A026	res,10,+/-5%,0402,1/16W	R606 R854	2	RC0402JR-0710RL	YAGEO			
4	0600003A043	res,51,+/-5%,0402,1/16W	R520 R521 R618	3	RC0402JR-0751RL	YAGEO			
5	0600003A044	res,56,+/-5%,0402,1/16W	R853	1	RC0402JR-0756RL	YAGEO			
6	0600003A058	res,220,+/-5%,0402,1/16W	R220 R221 R701 R709 R710 R711 R712 R715	8	RC0402JR-07220RL	YAGEO			
7	0600003A074	res,1K,+/-5%,0402,1/16W	R201 R204 R208 R211 R601 R611 R612	7	RC0402JR-071KL	YAGEO			
8	0600003A078	res,1K5,+/-5%,0402,1/16W	R203 R207 R209	3	RC0402JR-071K5L	YAGEO			
9	0600003A082	res,2K2,+/-5%,0402,1/16W	R602 R603 R604 R605	4	RC0402JR-072K2L	YAGEO			
10	0600003A094	res,6K8,+/-5%,0402,1/16W	R114	1	RC0402JR-076K8L	YAGEO			
11	0600003A098	res,10K,+/-5%,0402,1/16W	R613 R525	2	RC0402JR-0710KL	YAGEO			
12	0600003A100	res,12K,+/-5%,0402,1/16W	R852	1	RC0402JR-0712KL	YAGEO			
13	0600003A105	res,20K,+/-5%,0402,1/16W	R202	1	RC0402JR-0720KL	YAGEO			
14	0600003A107	res,24K,+/-5%,0402,1/16W	R616	1	RC0402JR-0724KL	YAGEO			
15	0600003A114	res,47K,+/-5%,0402,1/16W	R511 R512 R513 R514 R515 R516 R908 R909 R920	9	RC0402JR-0747KL	YAGEO			
16	0600003A118	res,68K,+/-5%,0402,1/16W	R212	1	RC0402JR-0768KL	YAGEO			
17	0600003A122	res,100K,+/-5%,0402,1/16W	R109 R110 R857	3	RC0402JR-07100KL	YAGEO			
18	0600005A001	res,0,+/-5%,0603,1/10W	R102	1	RC0603JR-070RL	YAGEO			
19	0600005A030	res,15,+/-5%,0603,1/10W	R115	1	RC0603JR-0715RL	YAGEO			
20	0600007A058	res, 0.2,+/-1%,0805,1/8W	R120	1	RL0805FR-070R2L	YAGEO			
21	0900065A001	conn-RF,bottom,H1.75	CONN601	1	MHC-310	Amphenol KAE	C90-101-0004	SPEED TECH CORP	

22	0900498A001	Conn T-flash flip H1.93	CONN502	1	WKTFH010-S01	JTCONN			
23	0900556A001	6 pin conn-SIM holder wing,H1.9	CONN802 CONN803	2	WKSM005-1901	JTCONN			
24	0900603A001	batt,3pin,3pitch,side,spring,H6	CONN101	1	WKBAV019-D31	JTCONN			
25	2100005A005	Cap,Ceramic,0402,1pF,+/-0.1pF,50V,C0G	C639 C640	2	UMK105CG010BW-F	Taiyo Yuden			
26	2100005A034	Cap,Ceramic,0402,4.7pF,+/-0.1pF,50V,C0G	C626	1	UMK105CG4R7BW-F	Taiyo Yuden			
27	2100005A045	Cap,Ceramic,0402,6.8pF,+/-0.25pF,50V,C0G	C903	1	UMK105CG6R8CW-F	Taiyo Yuden			
28	2100005A041	Cap,Ceramic,0402,6pF,+/-0.1pF,50V,C0G	C616 C617 C618 C619	4	UMK105CG060BW-F	Taiyo Yuden			
29	2100005A062	Cap,Ceramic,0402,12pF,+/-5%,50V,C0G	C701 C702 C703	3	UMK105CG120JV-F	Taiyo Yuden			
30	2100005A064	Cap,Ceramic,0402,15pF,+/-5%,50V,C0G	C620 C621	2	UMK105CG150JV-F	Taiyo Yuden			
31	2100005A066	Cap,Ceramic,0402,18pF,+/-5%,50V,C0G	C651 C652	2	UMK105CG180JV-F	Taiyo Yuden			
32	2100005A068	Cap,Ceramic,0402,22pF,+/-5%,50V,C0G	C101 C102 C633 C637 C644 C808	6	UMK105CG220JV-F	Taiyo Yuden			
33	2100005A070	Cap,Ceramic,0402,27pF,+/-5%,50V,C0G	C625	1	UMK105CG270JV-F	Taiyo Yuden			
34	2100005A071	Cap,Ceramic,0402,33pF,+/-5%,50V,C0G	C234 C236	2	UMK105CG330JV-F	Taiyo Yuden			
35	2100005A072	Cap,Ceramic,0402,39pF,+/-5%,50V,C0G	C606 C608 C624 C109 C129 C130	6	UMK105CG390JV-F	Taiyo Yuden			
36	2100005A074	Cap,Ceramic,0402,47pF,+/-5%,50V,C0G	C602	1	UMK105CG470JV-F	Taiyo Yuden			
37	2100005A077	Cap,Ceramic,0402,82pF,+/-5%,50V,C0G	C607 C609	2	UMK105CG820JV-F	Taiyo Yuden			
38	2100005A079	Cap,Ceramic,0402,100pF,+/-5%,50V,C0G	C631 C632	2	UMK105CG101JV-F	Taiyo Yuden			
39	2100005A085	Cap,Ceramic,0402,220pF,+/-5%,50V,C0G	C221 C634	2	UMK105CG221JV-F	Taiyo Yuden			
40	2100005A087	Cap,Ceramic,0402,330pF,+/-5%,50V,C0G	C852 C855	2	UMK105CG331JV-F	Taiyo Yuden			
41	2100006A023	Cap,Ceramic,0402,1000pF,+/-10%,50V,X7R	C114 C604 C629	3	UMK105BJ102kV-F	Taiyo Yuden			
42	2100006A037	Cap,Ceramic,0402,0.015uF,+/-10%,16V,X7R	C219 C823	2	EMK105BJ153KV-F	Taiyo Yuden			
43	2100006A039	Cap,Ceramic,0402,0.022uF,+/-10%,16V,X7R	C704 C705 C706	3	EMK105B7223KV-F	Taiyo Yuden			
44	2100006A042	Cap,Ceramic,0402,0.033uF,+/-10%,16V,X7R	C612	1	EMK105BJ333KV-F	Taiyo Yuden			

45	2100006A044	Cap,Ceramic,0402,0.047uF,+/-10%,16V,X7R	C113 C853 C854	3	EMK105BJ473KV-F	Taiyo Yuden			
46	2100006A052	Cap,Ceramic,0402,0.1uF,+/-10%,16V,X5R	C103 C105 C108 C110 C115 C116 C120 C201 C204 C210 C211 C224 C301 C603 C605 C610 C613 C614 C615 C827 C828 C906 C908	23	EMK105BJ104KV-F	Taiyo Yuden			
47	2100006A055	Cap,Ceramic,0402,0.22uF,+/-10%,10V,X5R	C611	1	LMK105BJ224KV-F	Taiyo Yuden			
48	2100006A061	Cap,Ceramic,0402,1uF,+/-10%,6.3V,X5R	C111 C112 C117 C124 C126 C222 C505 C509 C514 C655 C656 C824 C825 C826 C904 C119	16	JMK105BJ105KV-F	Taiyo Yuden			
49	2100010A071	Cap,Ceramic,0603,1uF,+/-10%,25V,X5R	C104	1	TMK107BJ105KA-T	Taiyo Yuden			
50	2100010A072	Cap,Ceramic,0603,2.2uF,+/-10%,6.3V,X5R	C510	1	JMK107BJ225KA-T	Taiyo Yuden			
51	2100010A076	Cap,Ceramic,0603,4.7uF,+/-10%,6.3V,X5R	C118 C121 C123 C125 C203 C207 C223 C905 C907	9	JMK107BJ475KA-T	Taiyo Yuden			
52	2100015A029	Cap,Ceramic,0805,22uF,+/-20%,6.3V,X5R	C202 C214 C628	3	JMK212BJ226MG-T	Taiyo Yuden			
53	2400002A062	ind,3.3n,+/-0.3n,0402	L603	1	SDCL1005C3N3STDF	Sunlord			
54	2400002A063	ind,3.9n,+/-0.3n,0402	L602	1	SDCL1005C3N9STDF	Sunlord			
55	2400002V001	ind,7.5n,+/-5%,0402	L604	1	SDCL1005C7N5JTDF	Sunlord			
56	2400002A073	ind,18n,+/-5%,0402	L652	1	SDCL1005C18NJTDF	Sunlord			
57	2400002V002	ind,16n,+/-5%,0402	L607	1	SDCL1005C16NJTDF	Sunlord			
58	2400002A059	ind,2.2n,+/-0.3n,0402	L901	1	SDCL1005C2N2STDF	Sunlord			
59	2400002A064	ind,4.7n,+/-0.3n,0402	L613 L614	2	SDCL1005C4N7STDF	Sunlord			
60	2400002A082	ind,100n,+/-5%,0402	L801	1	SDCL1005CR10JTDF	Sunlord			
61	2400003V002	ind,330n,+/-5%,0603	L821 L822	2	SDCL1608CR33JTDF	Sunlord			
62	4700064A001	Ferrite Bead,0402,75Ohm@100MHz, 0.3Ohm DCR,600mA	L852	1	SZ1005G750(f)	Sunlord			
63	9100004V001	EMI Bead, 1channel, 600Ω at 100MHz, 700mA, 0603	L105 L704 L705 L706	4	HPZ1608D601-R70TF	Sunlord			
64	2400003A036	ind,470n,+/-5%,0603	L820 L851	2	HK1608R47J-T	Taiyo Yuden	SDCL1608CR47 JTDF	Sunlord	
65	2400007A017	ind power, 4.7uH,+/-20%, 2*1.6*1.6mm, 550mA, DCR0.37ohm	L701	1	CBC2016T4R7M	Taiyo Yuden			
66	0900012V001	5 pin micro usb H=2.5	CONN701	1	3.042A0-005-1R0	FAF			

67	4700023A001	EMI Bead, 1channel, 1KΩ at 100MHz, 100mA, 0603	L101 L102	2	BLM18HD102SN1D	Murata	HZ1608K102TDF	Sunlord	
68	4800030A001	Crystal, 32.768kHz, ±7-20ppm, 12.5pF, 7.0*1.5*1.4(mm)	OSC101	1	SSP-T7-F(12.5pf,±20ppm)	Seiko			
69	4800129A001	Transistor, N Channel MOSFET, Vdss=20V, Vgs=10V, Id=338mA	Q101	1	NTA4001NT1G	Onsemi	WNM4001-3/TR	Will	
70	4800003V001	MOSFET With Schottky Diode 1206 8 Chip	U103	1	TT8U2FU7TR	ROHM	ASM5853F/TR-LF	A1semi	
71	4800375A001	Diode, Schottky barrier Diode	D101 D210	2	RB520S-30FJTE61	ROHM	CDBU0230R-HF	COMCHIP	
72	4800415A001	Crystal, 26MHz, 2.5*3.2*0.7mm	OSC601	1	TZ1387A	TAISAW			
73	4800479A001	Diode, Blue LED, 5mA, 2.65~3.15V, 1.6*0.8*0.25(mm) 0603	D701 D702 D703 D704 D719 D727	6	LTST-C193SBKT-5A	Liteon			
74	5100028V001	SINGLE-CHIP BROADCAST FM RADIO TUNER	U804	1	RDA5802HS	RDA			
75	5100032V001	Wideband MMIC LNA with Integrated ESD	U803	1	BGB707L7ESD	Infineon			
76	5100083A001	LDO, 1.8V&2.8V 150mA Dual, USP-6B	U501	1	XC6401FF20DR	TOREX	VRD1828MLX	ANASEM	
77	5100705A001	Audio Power Amplifier, 2Watt Mono BTL, 8pin MSOP	U201	1	FT690M	Fangtek			
78	5100989A001	MULTILAYER CERAMIC BAND PASS FILTER, 2.4 GHz ISM Band Working Frequency	U902	1	RFBPF1608070A09FNH	Walsin			
79	5101045A001	Base band, MT6223C, 9mm*9mm, 224pin, TFBGA	U101	1	MT6223CA-L	MTK			
80	5101133A001	GSM850/900/1800/1900 Single Chip GSM Radio, 32-lead LFCSP, 5*5mm	U601	1	AD6548BCPZ-RL3	MTK			
81	5101134A001	Dual Sim Card Controller, 20pin, 3mm*3mm, QFN	U805	1	BCT4302B-TR	broadchip			
82	8500017A001	2.4GHz BLUETOOTH CHIP ANTENNA.	ANT901	1	RFANT3216120A59FNH	Walsin			
83	9100160A001	SAW Filter 881.5/942.5MHz	U603	1	SAWEN881MICY0F00	Murata			
84	9100095A001	1800/1900MHz range SAW filter for communication equipment.	U604	1	SAWEN1G84CW0F00R14	Murata			
85	5100022V001	Quad-Band TX Dual band RX CMOS Transmit Module, 64MB Nor flash and 32MB	U602	1	AM7803-CLT	Amalfi			
86	5100024V001	PSRAM 3V-only 16bit 7mm*9mm FBGA	U301	1	EN71GL064B0-70CWP	EON			
87	5100033V001	SINGLE CHIP FOR BLUETOOTH	U901	1	RDA5872P	RDA			

88	MR30057V000	RF_SH	SH4	1	MR30057V000	远舟			
89	MR30070V000	BB_SH	SH1	1	MR30070V000	远舟			