

Main Board BOM

Item	Part No.	Description	Ref No.	QTY	Supplier P/N	Supplier Name	2nd source P/N	2nd source Supplier
1	A210102V000	MainBoard PCBA		1				
2	MR70038V100	MainBoard PCB		1	MR70038V100			
3	0600003A001	res,0,+/-5%,0402,1/16W	R502 R101 R205 R206 R210 R211 R215 R216 R301 R302 R305 R309 R315 R403 R509 R510 R511 R512	18	RC0402JR-070RL	YAGEO		
4	0600003A048	res,82,+/-5%,0402,1/16W	R507 R508	2	RC0402JR-0782RL	YAGEO		
5	0600003A050	res,100,+/-5%,0402,1/16W	R212 R213	2	RC0402JR-07100RL	YAGEO		
6	0600003A074	res,1K,+/-5%,0402,1/16W	R201 R204 R207 R209 R214 R303 R304 R504 R505 R704	10	RC0402JR-071KL	YAGEO		
7	0600003A078	res,1K5,+/-5%,0402,1/16W	R202 R203 R208 R307	4	RC0402JR-071K5L	YAGEO		
8	0600003A082	res,2K2,+/-5%,0402,1/16W	R702 R703	2	RC0402JR-072K2L	YAGEO		
9	0600003A095	res,7K5,+/-5%,0402,1/16W	R313	1	RC0402JR-077K5L	YAGEO		
10	0600003A098	res,10K,+/-5%,0402,1/16W	R503	1	RC0402JR-0710KL	YAGEO		
11	0600003A107	res,24K,+/-5%,0402,1/16W	R506	1	RC0402JR-0724KL	YAGEO		
12	0600003A112	res,39K,+/-5%,0402,1/16W	R312	1	RC0402JR-0739KL	YAGEO		
13	0600003A114	res,47K,+/-5%,0402,1/16W	R409 R410 R411	3	RC0402JR-0747KL	YAGEO		
14	0600003A122	res,100K,+/-5%,0402,1/16W	R102 R106 R107 R108 R608	5	RC0402JR-07100KL	YAGEO		
15	0600003A134	res,330K,+/-5%,0402,1/16W	R311	1	RC0402JR-07330KL	YAGEO		
16	0600005A001	res,0,+/-5%,0603,1/10W	L606 L607	2	RC0603JR-070RL	YAGEO		
17	0600007A058	res, 0.2,+/-1%,0805,1/8W	R317	1	RL0805FR-070R2L	YAGEO		
18	0600007A068	res,15,+/-5%,0805 0.125W	R401	1	RC0805JR-0715RL	YAGEO		
19	0900065A001	conn-RF,bottom,H1.75	CONN501	1	MHC-310	Amphenol KAE	C90-101-0004	SPEED TECH CORP
20	0900705A001	conn-T-flash,11.4X5.5,H3.0	CONN404	1	WKTFH001-002	JTCONN		
21	0900719A001	conn-SIM holder,bridge,thickness3.05	CONN301	1	WKSM018-3001	JTCONN		
22	2100005V004	Cap,Ceramic,0402,1pF,+/- 0.1pF,50V,C0G	C711	1	CL05C010BB5NNNC	Samsung		
23	2100005A008	Cap,Ceramic,0402,1.2pF,+/- 0.1pF,50V,C0G	C709	1	CL05C1R2BB5NNNC	Samsung		
24	2100021A088	Cap,Tan,33uF,+/-20% ,6.3V	C515	1	TCTP0J336M8R	ROHM		
25	2100005A012	Cap,Ceramic,0402,1.5pF,+/- 0.25pF,50V,C0G	C518 C519 C520 C521 L502	5	CL05C1R5CB5NNNC	Samsung		
26	2100005A024	Cap,Ceramic,0402,2.7pF,+/- 0.25pF,50V,C0G	C708	1	CL05C2R7CB5NNNC	Samsung		
27	2100005A028	Cap,Ceramic,0402,3.9pF,+/- 0.1pF,50V,C0G	C522 C523 C524 C525	4	CL05C3R9BB5NNNC	Samsung		
28	2100005A039	Cap,Ceramic,0402,5.6pF,+/- 0.25pF,50V,C0G	C526	1	CL05C5R6CB5NNNC	Samsung		
29	2100005A041	Cap,Ceramic,0402,6pF,+/- 0.1pF,50V,C0G	C512	1	CL05C060CB5NNNC	Samsung		
30	2100005A066	Cap,Ceramic,0402,18pF,+/- 5%,50V,C0G	C527	1	CL05C180JB5NNNC	Samsung		

31	2100005A068	Cap,Ceramic,0402,22pF,+/-5%,50V,C0G	C505 C509 C510 C511 C513	5	CL05C220JB5NNNC	Samsung		
32	2100005A070	Cap,Ceramic,0402,27pF,+/-5%,50V,C0G	C304 C305 C517	3	CL05C270JB5NNNC	Samsung		
33	2100005A071	Cap,Ceramic,0402,33pF,+/-5%,50V,C0G	C214 C218 C219	3	CL05C330JB5NNNC	Samsung		
34	2100005A072	Cap,Ceramic,0402,39pF,+/-5%,50V,C0G	C210 C221 C516	3	CL05C390JB5NNNC	Samsung		
35	2100005A079	Cap,Ceramic,0402,100pF,+/-5%,50V,C0G	C704	1	CL05C101JB5NNNC	Samsung		
36	2100005A085	Cap,Ceramic,0402,220pF,+/-5%,50V,C0G	C508	1	CL05C221JB5NNNC	Samsung		
37	2100005A120	Cap,Ceramic,0402,1000pF,+/-5%,50V,X7R	C222 C223	2	CL05B102JB5NNNC	Samsung		
38	2100006A039	Cap,Ceramic,0402,0.022uF,+/-10%,16V,X7R	C601 C602	2	CL05B223K05NNNC	Samsung		
39	2100006A052	Cap,Ceramic,0402,0.1uF,+/-10%,16V,X5R	C201 C202 C207 C208 C514 C603 C604 C703 C706	9	CL05B104K05NNNC	Samsung		
40	2100006A061	Cap,Ceramic,0402,1uF,+/-10%,6.3V,X5R	C102 C122 C123 C302 C303 C306 C308 C309 C312 C313 C314 C315 C316 C318 C319 C331 C332 C401 C402 C406 C528 C529 C701	23	CL05A105KQ5NNNC	Samsung		
41	2100010A071	Cap,Ceramic,0603,1uF,+/-10%,25V,X5R	C322 C702	2	CL10A105KA8NNNC	Samsung	CC0603KRX5R5BB105	Yageo
42	2100010A072	Cap,Ceramic,0603,2.2uF,+/-10%,6.3V,X5R	C310 C311 C317 C323	4	CL10A225KQ8NNNC	Samsung		
43	2100010A076	Cap,Ceramic,0603,4.7uF,+/-10%,6.3V,X5R	C101 C103 C204 C213 C301 C307 C705	7	CL10A475KQ8NNNC	Samsung		
44	2100015A029	Cap,Ceramic,0805,22uF,+/-20%,6.3V,X5R	C215 C216	2	CL21A226MQQNNNE	Samsung		
45	2400002A010	ind,2.4n,+/-0.3n,0402	L508 L702	2	SDCL1005C2N4STDF	Sunlord		
46	2400002A063	ind,3.9n,+/-0.3n,0402	L514 L516 C502	3	SDCL1005C3N9STDF	Sunlord		
47	2400002A061	ind,3.0n,+/-0.3n,0402	L701	1	SDCL1005C3N0STDF	Sunlord		
48	2400002A062	ind,3.3n,+/-0.3n,0402	L504 R705	2	SDCL1005C3N3STDF	Sunlord		
49	2400002A068	ind,8.2n,+/-5%,0402	L506	1	SDCL1005C8N2JTDF	Sunlord		
50	2400002A072	ind,15n,+/-5%,0402	L512	1	SDCL1005C15NJTDF	Sunlord		
51	2400002A073	ind,18n,+/-5%,0402	L510	1	SDCL1005C18NJTDF	Sunlord		
52	2400002A074	ind,22n,+/-5%,0402	L503	1	SDCL1005C22NJTDF	Sunlord		
53	4700068A001	EMI Bead, 1channel, 1.5KΩ at 100MHz, 500mA, 0603	L603	1	BLM18HE152SN1D	Murata	HPZ1608E152-R50TF	Sunlord
54	4800030A001	Crystal, 32.768KHz, +/-20ppm, 12.5pF, 7.0*1.5*1.4(mm)	OSC301	1	SSP-T7-F(12.5pf,±20ppm)	Seiko		
55	4800129A001	Transister, N channel MOSFET, Vdss=20V, Vgs=10V,Id=238mA	Q401 Q304 Q402	3	NTA4001NT1G	Onsemi	LSK3019FP8TL	ROHM
56	4800019V001	Crystal 26MHz 2.5*3.2*0.7mm	OSC501	1	7M26000028	TXC		
57	4800375A001	Diode, Schottky barrier Diode	D302	1	RB520S-30FJTE61	ROHM	PZ5D4V2H	Prisemi
58	5100559A001	Analog switch, 2:1 multiplexer	U601 U602	2	NLASB3157DFT2G	Onsemi	BCT4157EXT	BROADCHIP
59	5100060V001	SKY77568 Quad-Band TX /Dual-Band Rx iPAC FEM for GSM/GPRS	U501	1	SKY77568-11	SKYWORKS		
60	8500002V001	2.4GHz BLUETOOTH CHIP ANTENNA.	ANT701	1	IANQ201	Skywave		

61	9100160A001	SAW Filter, 881.5/942.5MHz	U502	1	SF18-0942GASBA1	KYOCERA		
62	9100095A001	1800/1900MHz range SAW filter for communication equipment.	U503	1	SF18-1842PASBA1	KYOCERA		
63	4800010V001	Diode, zener,Vzmin=4.85V,Vzmax=5.36V,Iz=5mA,SOD-123	D301	1	MMSZ5V1T1G	Onsemi	MMSZ5231B	JCST
64	5100056V001	Base band MT6252 11.6mm*12.1mm 305pin TFBGA	U101	1	MT6252A/E	MTK		
65	5100065V001	64M Serial flash 1.8v 5X6mm WSON	U102	1	GD25LQ64BW1GR	GigaDevice		
66	4800015V001	35 V, 5 A, Low VCE(sat) PNP Transistor	D303	1	NSS35200MR6T1G	Onsemi	PT236T30E2	Prisemi
67	EX90002V000	SMT_Spring_for_Antenna	ANT501 ANT502 ANT503	3	P-JS-IT-18			
68	5100072V001	SINGLE CHIP FOR BLUETOOTH	U701	1	RDA5875Y	RDA		
69	EX50002V000	Conn-batt,3pin,1.9pitch,side	CONN303	1	WKBAV029-A31	JTCONN		
70	MR30093V000	BB_SH	SH301	1	MR30093V000			