

Main Board BOM

Item	Part No.	Description	Ref No.	QTY	Supplier P/N	Supplier Name	2nd source P/N	2nd source Supplier
1	A210127V010	MainBoard PCBA		1				
2	MR70048V000	MainBoard PCB		1	MR70048V000			
3	0600003A001	res,0,+/-5%,0402,1/16W	R205 R206 R210 R211 R301 R302 R305 R315 R331 R411 R412 R420 R425 R426 R529 R530 R531 R601 R611 R613 R622 R650 R655 R657 C602	25	RC0402JR-070RL	YAGEO		
4	0600003A048	res,82,+/-5%,0402,1/16W	R606 R607	2	RC0402JR-0782RL	YAGEO		
5	0600003A050	res,100,+/-5%,0402,1/16W	R212 R213 R718 R719	4	RC0402JR-07100RL	YAGEO		
6	0600003A058	res 220 +/-5% 0402 1/16W	R710 R711 R712 R715 R716 R717 R721 R723 R724 R728 R729	11	RC0402JR-07220RL	YAGEO		
7	0600003A074	res,1K,+/-5%,0402,1/16W	R201 R204 R207 R209 R214 R304 R314 R316 R603 R604	10	RC0402JR-071KL	YAGEO		
8	0600003A078	res,1K5,+/-5%,0402,1/16W	R202 R203 R208 R307	4	RC0402JR-071K5L	YAGEO		
9	0600003A090	res,4K7,+/-5%,0402,1/16W	R224 R513 R515	3	RC0402JR-074K7L	YAGEO		
10	0600003A095	res,7K5,+/-5%,0402,1/16W	R313	1	RC0402JR-077K5L	YAGEO		
11	0600003A098	res,10K,+/-5%,0402,1/16W	R422 R602	2	RC0402JR-0710KL	YAGEO		
12	0600003A102	res,15K,+/-5%,0402,1/16W	R658	1	RC0402JR-0715KL	YAGEO		
13	0600003A105	res 20K +/-5% 0402 1/16W	R222	1	RC0402JR-0720KL	YAGEO		
14	0600003A107	res,24K,+/-5%,0402,1/16W	R605	1	RC0402JR-0724KL	YAGEO		
15	0600003A112	res,39K,+/-5%,0402,1/16W	R312	1	RC0402JR-0739KL	YAGEO		
16	0600003A114	res,47K,+/-5%,0402,1/16W	R111 R114 R501 R502 R504	5	RC0402JR-0747KL	YAGEO		
17	0600003A118	res 68K +/-5% 0402 1/16W	R223	1	RC0402JR-0768KL	YAGEO		
18	0600003A122	res,100K,+/-5%,0402,1/16W	R102 R416 R508	3	RC0402JR-07100KL	YAGEO		
19	0600003A134	res,330K,+/-5%,0402,1/16W	R311	1	RC0402JR-07330KL	YAGEO		
20	0600003A145	res,910K,+/-5%,0402,1/16W	R408	1	RC0402JR-07910KL	YAGEO		
21	0600004A198	res,49.9,+/-1%,0402,1/16W	R415	1	RC0402FR-0749R9L	YAGEO		
22	0600005A001	res,0,+/-5%,0603,1/10W	L511 L512	2	RC0603JR-070RL	YAGEO		
23	0600007A058	res, 0.2,+/-1%,0805,1/8W	R317	1	RL0805FR-070R2L	YAGEO		
24	2100005A002	Cap,Ceramic,0402,0.5pF,+/- 0.1pF,50V,C0G	C658 L404	2	CL05C0R5BB5NNNC	Samsung		
25	2100005V004	Cap,Ceramic,0402,1pF,+/- 0.1pF,50V,C0G	L606	1	CL05C010BB5NNNC	Samsung		
26	2100005A015	Cap,Ceramic,0402,1.8pF,+/- 0.1pF,50V,C0G	C654	1	CL05C1R8BB5NNNC	Samsung		
27	2100005A017	Cap,Ceramic,0402,2pF,+/- 0.1pF,50V,C0G	L602	1	CL05C020BB5NNNC	Samsung		
28	2100005A020	Cap,Ceramic,0402,2.2pF,+/- 0.1pF,50V,C0G	C404	1	CL05C2R2BB5NNNC	Samsung		
29	2100005A023	Cap,Ceramic,0402,2.4pF,+/- 0.25pF,50V,C0G	C657	1	CL05C2R4CB5NNNC	Samsung		

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30	2100005A041	Cap,Ceramic,0402,6pF,+/-0.1pF,50V,C0G	C612	1	CL05C060CB5NNNC	Samsung		
31	2100005A057	Cap,Ceramic,0402,10pF,+/-0.1pF,50V,C0G	C401 C402	2	CL05C100CB5NNNC	Samsung		
32	2100005A064	Cap,Ceramic,0402,15pF,+/-5%,50V,C0G	C460	1	CL05C150CB5NNNC	Samsung		
33	2100005A068	Cap,Ceramic,0402,22pF,+/-5%,50V,C0G	C604 C609 C610 C611 C613 C642	6	CL05C220JB5NNNC	Samsung		
34	2100005A072	Cap,Ceramic,0402,39pF,+/-5%,50V,C0G	C203 C205 C206 C210 C214 C217 C218 C219 C220 C221 C222 C223 C225 C241 C242 C532 C534 C537 C641	19	CL05C390JB5NNNC	Samsung		
35	2100005A079	Cap Ceramic 0402 100pF +/-5% 50V C0G	C501	1	CL05C101JB5NNNC	Samsung		
36	2100005A085	Cap,Ceramic,0402,220pF,+/-5%,50V,C0G	C244 C608	2	CL05C221JB5NNNC	Samsung		
37	2100005A087	Cap,Ceramic,0402,330pF,+/-5%,50V,C0G	C332	1	CL05C331JB5NNNC	Samsung		
38	2100005A120	Cap,Ceramic,0402,1000pF,+/-5%,50V,X7R	C422	1	CL05B102JB5NNNC	Samsung		
39	2100006A037	Cap Ceramic 0402 0.015uF +/-10% 16V X7R	C240	1	CL05B153KO5NNNC	Samsung		
40	2100006A052	Cap,Ceramic,0402,0.1uF,+/-10%,16V,X5R	C104 C201 C202 C207 C208 C243 C309 C337 C449 C450 C451 C452 C455 C511 C545 C542 C543 C614 C627	19	CL05B104KO5NNNC	Samsung		
41	2100006A061	Cap,Ceramic,0402,1uF,+/-10%,6.3V,X5R	C113 C302 C303 C306 C308 C310 C311 C312 C313 C314 C315 C316 C317 C318 C319 C320 C335 C338 C504 C239 C513 C514 C515 C524 C628 C649 C650 C651 C405 C406 C407 C410 C411 C454 C463	35	CL05A105KQ5NNNC	Samsung		
42	2100007A021	Cap,Ceramic,0402,2.2uF,+/-20%,6.3V,X5R	C103 C331 C333 C336	4	CL05A225MQ5NNNC	Samsung		
43	2100010A071	Cap,Ceramic,0603,1uF,+/-10%,25V,X5R	C322 C323	2	CL10A105KA8NNNC	Samsung		
44	2100010A076	Cap,Ceramic,0603,4.7uF,+/-10%,6.3V,X5R	C204 C213 C408 C409 C412 C447	6	CL10A475KQ8NNNC	Samsung		
45	2100015A029	Cap,Ceramic,0805,22uF,+/-20%,6.3V,X5R	C215 C216 C307	3	CL21A226MQQNNNE	Samsung		
46	2100014A046	Cap,Ceramic,0805,2.2uF,+/-20%,6.3V,X5R,T=0.95mm max	C615	1	CL21A225KOCNNNC	Samsung	CL21A225KPCLNNC	Samsung

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47	2400002V007	ind,1.1n,+/-0.3n,0402	L653	1	SDCL1005C1N1STDFM01	Sunlord		
48	2400002A059	ind,2.2n,+/-0.3n,0402	L603	1	SDCL1005C2N2STDF	Sunlord		
49	2400002A011	ind,2.7n,+/-0.3n,0402	L652 C617 L401	3	SDCL1005C2N7STDF	Sunlord		
50	2400002A062	ind,3.3n,+/-0.3n,0402	L604	1	SDCL1005C3N3STDF	Sunlord		
51	2400002A020	ind,5.6n,+/-0.3n,0402	C624 C625	2	SDCL1005C5N6STDF	Sunlord		
52	2400002V005	ind,5.1n,+/-5%,0402	L616	1	SDCL1005C5N1JTDF	Sunlord		
53	2400002V001	ind,7.5n,+/-5%,0402	C616	1	SDCL1005C7N5JTDF	Sunlord		
54	2400002A036	ind,18n,+/-5%,0402	C620 C621	2	SDCL1005C18NJTDF	Sunlord		
55	2400006A025	ind,24n,+/-5%,0402	L612	1	SDCL1005C24NJTDF	Sunlord		
56	4700001V001	EMI Bead, 1channel, 600Ω at 100MHz, 500mA, 0603	L510	1	PZ1608D601-R50TF	Sunlord		
57	4700070A001	EMI Bead, 1channel, 1.0KΩ at 100MHz, 500mA, 0603	L208 L209 L403 R215 R216 L501 L502 L505 L513	9	HZ1608K102TDF	Sunlord		
58	2400007V004	Ind power 2.2uH +/-20% 2*1.2*1.0mm 800mA DCR0.25ohm	L402	1	MPL2012S2R2MHT	Sunlord		
59	4800085A001	Diode, zener,Vzmin=6.65V,Vzmax=6.93V, Iz=5mA	D201 D202	2	VDZT2R6.8B	Rohm		
60	4800010V001	Diode, zener,Vzmin=4.85V,Vzmax=5.36V, Iz=5mA,SOD-123	D301	1	MMSZ5V1T1G	Onsemi	MMSZ5231B	JCST
61	4800015V001	35 V, 5 A, Low VCE(sat) PNP Transistor	D303	1	NSS35200MR6T1G	ONsemi	PT236T30E2	Prisemi
62	4800460A001	Diode, White LED,5mA,2.65~3.15V,1.6*0.8*0.38(mm),0603	D702 D703 D704 D705 D706 D710 D711 D713 D724 D725 D726 D727 D728	13	LTW-C193SN5	Liteon		
63	4800129A001	Transister, N channel MOSFET, Vdss=20V, Vgs=10V,Id=238mA	Q304 Q501	2	NTA4001NT1G	Onsemi	LSK3019FP8TL	ROHM
64	4800507A001	26M Crystal, 7.3pF, 3.2*2.5*0.7mm, for 6253	OSC601	1	TZ1689A	TAISAW		
65	5100060V001	SKY77568 Quad-Band Tx /Dual-Band Rx iPAC FEM for GSM/GPRS	U601	1	SKY77568-11	SKYWORCS		
66	5100083V001	2-in-1 Rx Balance for 850/900/1800/1900	U603	1	RFBLN2012090BM5T25	Walsin		
67	5100084V001	Base band MT6250 9.8mm*9.6mm 233pin TFBGA	U101	1	MT6250A	MTK		
68	5100067V001	128M Serial flash 1.8v 6X8mm WSON	U102	1	GD25LQ128YIG-R	GigaDevice		
69	5100086V001	LDO,1.8V 300mA Single,SOT-23-5A	U503	1	LC1463CB5ATR18	LEADCHIP		
70	5100068V001	WIFI IC, ALL-IN-ONE 5.1*5.3 TFBGA	U401	1	MT5931A	MTK		
71	9100023V001	Filter, Balance Filter for MT5931 WIFI	U402	1	FB2012-05N2R4GT/LF	ACX		
72	9100143A001	Bluetooth BAND PASS FILTER	U605	1	LFB182G45SG9A293	Murata	BF1608-L2R4DAAT/LF	ACX

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73	5101230A001	Audio Power Amplifier 1Watt Micro SMD	U201	1	HWD2190ITL	CSMSC		
74	5100559A001	Analog switch, 2:1 multiplexer	U501 U502	2	NLASB3157DFT2G	Onsemi	BCT4157EXT	BROADCHIP
75	0900035A001	Conn-BB s 24pin 0.4pitch H0.9	CONN703	1	DF30FC-24DS-0.4V(81)	Hirose		
76	0900065A001	conn-RF,bottom,H1.75	CONN601	1	MHC-310	Amphenol KAE	C90-101-0004	SPEED TECH CORP
77	0900498A001	Conn T-flash flip H1.93	CONN501	1	WKTFH010-S01	JTCONN		
78	0900556A001	6 pin conn-SIM holder wing H1.9	CONN301 CONN302	2	WKSM005-1901	JTCONN		
79	0900630A001	5 pin micro usb H=2.5	CONN502	1	WKUBI011-011	JTCONN		
80	0900064A001	conn-switch 0.2mm 4.5×2.3×1.7	KEY701 KEY702	2	SS304GS16	Seojin		
81	0900002V001	BAT CONN	CONN303	1	SDL-16			
82	MR30138V000	BB_SH	SH301	1	MR30138V000			