

Main Board BOM

Item	Purchase Level	Part No.	Description	Ref No.	QTY	Supplier P/N	Supplier Name
1		A210039V000	MainBoard PCBA		1		
2	P	MR70025V200	MainBoard PCB		1	MR70025V200	Verykool
3	P	0600003A001	res 0 +/-5% 0402 1/16W	R216 R217 L206 L207 R426 R530 R612 R617 R804 R805 C646 C652	12	RC0402JR-070RL	YAGEO
4	P	0600003A108	res 27K +/-5% 0402 1/16W	R623	1	RC0402JR-0727KL	YAGEO
5	P	0600003A026	res 10 +/-5% 0402 1/16W	R606	1	RC0402JR-0710RL	YAGEO
6	P	0600003A030	res 15 +/-5% 0402 1/16W	R108	1	RC0402JR-0715RL	YAGEO
7	P	0600003A043	res 51 +/-5% 0402 1/16W	R618	1	RC0402JR-0751RL	YAGEO
8	P	0600003A048	res 82 +/-5% 0402 1/16W	R607 R608	2	RC0402JR-0782RL	YAGEO
9	P	0600003A058	res 220 +/-5% 0402 1/16W	R710 R711 R712 R715 R716 R717 R718 R719 R721 R723 R724 R728 R729	13	RC0402JR-07220RL	YAGEO
10	P	0600003A094	res 6K8 +/-5% 0402 1/16W	R114	1	RC0402JR-076K8L	YAGEO
11	P	0600003A074	res 1K +/-5% 0402 1/16W	R107 R201 R204 R208 R211 R215 R601 R611 R621 R625 R626	11	RC0402JR-071KL	YAGEO
12	P	0600003A078	res 1K5 +/-5% 0402 1/16W	R203 R207 R209	3	RC0402JR-071K5L	YAGEO
13	P	0600003A082	res 2K2 +/-5% 0402 1/16W	R602 R603 R604 R605 R802 R803	6	RC0402JR-072K2L	YAGEO
14	P	0600003A090	res 4K7 +/-5% 0402 1/16W	R206 R503 R507 R508	4	RC0402JR-074K7L	YAGEO
15	P	0600003A091	res 5K1 +/-5% 0402 1/16W	R101	1	RC0402JR-075K1L	YAGEO
16	P	0600003A098	res 10K +/-5% 0402 1/16W	R622	1	RC0402JR-0710KL	YAGEO
17	P	0600003A105	res 20K +/-5% 0402 1/16W	R210 R222	2	RC0402JR-0720KL	YAGEO
18	P	0600004A107	res 24K +/-1% 0402 1/16W	R116	1	RC0402FR-0724KL	YAGEO
19	P	0600003A114	res 47K +/-5% 0402 1/16W	R701 R702 R703 R704 R705 R706	6	RC0402JR-0747KL	YAGEO
20	P	0600003A115	res 51K +/-5% 0402 1/16W	R301	1	RC0402JR-0751KL	YAGEO
21	P	0600003A118	res 68K +/-5% 0402 1/16W	R213 R223	2	RC0402JR-0768KL	YAGEO
22	P	0600003A119	res 75K +/-5% 0402 1/16W	R509	1	RC0402JR-0775KL	YAGEO
23	P	0600003A122	res 100K +/-5% 0402 1/16W	R105 R106 R501 R502	4	RC0402JR-07100KL	YAGEO
24	P	0600004A122	res 100K +/-1% 0402 1/16W	R115	1	RC0402FR-07100KL	YAGEO
25	P	0600007A058	res 0.2 +/-1% 0805 1/8W	R104	1	RL0805FR-070R2L	YAGEO
26	P	0900035A001	Conn-BB s 24pin 0.4pitch H0.9	CONN703	1	DF30FC-24DS-0.4V(81)	Hirose
27	P	0900064A001	conn-switch 0.2mm 4.5x2.3x1.7	KEY701 KEY702	2	LS10N2-T	Citizen
28	P	0900630A001	5 pin micro usb H=2.5	CONN503	1	WKUBI011-011	JTCONN
29	P	0900498A001	Conn T-flash flip H1.93	CONN701	1	WKTFFH010-S01	JTCONN
30	P	2100005A005	Cap Ceramic 0402 1pF +/-0.1pF 50V C0G	C814	1	UMK105CG010BW-F	Taiyo Yuden

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31	P	2100005A024	Cap Ceramic 0402 2.7pF +/-0.25pF 50V C0G	C810	1	UMK105CG2R7CW-F	Taiyo Yuden
32	P	2100005A041	Cap Ceramic 0402 6pF +/-0.1pF 50V C0G	C631	1	UMK105CG060BW-F	Taiyo Yuden
33	P	2100005A054	Cap Ceramic 0402 9pF +/-0.25pF 50V C0G	C667 C668 C662 C664	4	UMK105CG090CV-F	Taiyo Yuden
34	P	2100005A064	Cap Ceramic 0402 15pF +/-5% 50V C0G	C655 C656 C660 C661	4	UMK105CG150JV-F	Taiyo Yuden
35	P	2100005A068	Cap Ceramic 0402 22pF +/-5% 50V C0G	C101 C102 C619 C620 C621 C622 C627C628 C630 C639 C663	11	UMK105CG220JV-F	Taiyo Yuden
36	P	2100005A069	Cap Ceramic 0402 24pF +/-5% 50V C0G	C808	1	UMK105CG240JV-F	Taiyo Yuden
37	P	2100005A072	Cap Ceramic 0402 39pF +/-5% 50V C0G	C215 C216 C227 C228 C231 C232 C233 C234 C236 C241 C242 C606 C608	13	UMK105CG390JV-F	Taiyo Yuden
38	P	2100005A074	Cap Ceramic 0402 47pF +/-5% 50V C0G	C602	1	UMK105CG470JV-F	Taiyo Yuden
39	P	2100005A077	Cap Ceramic 0402 82pF +/-5% 50V C0G	C607 C609	2	UMK105CG820JV-F	Taiyo Yuden
40	P	2100005A079	Cap Ceramic 0402 100pF +/-5% 50V C0G	C209 C501 C637 C804	4	UMK105CG101JV-F	Taiyo Yuden
41	P	2100005A085	Cap Ceramic 0402 220pF +/-5% 50V C0G	C217 C244 C633	3	UMK105CG221JV-F	Taiyo Yuden
42	P	2100005A008	Cap,Ceramic,0402,1.2pF,+/-0.1pF,50V,C0G	C624 C644	2	UMK105CG1R2BW-F	Taiyo Yuden
43	P	2100006A023	Cap Ceramic 0402 1000pF +/-10% 50V X7R	C142 C604 C629 C632 C807	5	UMK105BJ102kV-F	Taiyo Yuden
44	P	2100006A037	Cap Ceramic 0402 0.015uF +/-10% 16V X7R	C218 C240	2	EMK105BJ153KV-F	Taiyo Yuden
45	P	2100006A039	Cap Ceramic 0402 0.022uF +/-10% 16V X7R	C809 C811	2	EMK105BJ223KV-F	Taiyo Yuden
46	P	2100006A042	Cap Ceramic 0402 0.033uF +/-10% 16V X7R	C612	1	EMK105BJ333KV-F	Taiyo Yuden
47	P	2100006A052	Cap Ceramic 0402 0.1uF +/-10% 16V X5R	C108 C123 C125 C127 C128 C130 C132 C134 C136 C137 C138 C139 C143 C201 C204 C210 C211 C229 C243 C301 C302 C603 C605 C610 C613 C614 C615 C545 C803 C806	30	EMK105BJ104KV-F	Taiyo Yuden
48	P	2100006A055	Cap Ceramic 0402 0.22uF +/-10% 10V X5R	C611	1	LMK105BJ224KV-F	Taiyo Yuden
49	P	2100006A061	Cap Ceramic 0402 1uF +/-10% 6.3V X5R	C503 C505 C507 C801 C103 C112 C117 C118 C119 C122 C124 C140 C141 C144 C149 C220 C239	17	JMK105BJ105KV-F	Taiyo Yuden

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50	P	2100010A071	Cap Ceramic 0603 1uF +/-10% 25V X5R	C104 C802	2	TMK107BJ105KA-T	Taiyo Yuden
51	P	2100010A072	Cap Ceramic 0603 2.2uF +/-10% 6.3V X5R	C120 C701 C106 C107 C145	5	JMK107BJ225KA-T	Taiyo Yuden
52	P	2100010A076	Cap Ceramic 0603 4.7uF +/-10% 6.3V X5R	C109 C110 C111 C113 C115 C133 C203 C805	8	JMK107BJ475KA-T	Taiyo Yuden
53	P	2100011A026	Cap Ceramic 0603 10uF +/-20% 6.3V X5R	C129 C135	2	JMK107BJ106MA-T	Taiyo Yuden
54	P	2100014A051	Cap Ceramic 0805 10uF +/-10% 6.3V X5R T=0.95mm max	C207	1	JMK212BJ106KD-T	Taiyo Yuden
55	P	2100015A029	Cap Ceramic 0805 22uF +/-20% 6.3V X5R	C105 C202 C214 C634	4	JMK212BJ226MG-T	Taiyo Yuden
56	P	2100005A039	Cap Ceramic 0402 5.6pF +/-0.25pF 50V C0G	R614	1	UMK105CG5R6CW-F	Taiyo Yuden
57	P	2400002A133	ind 1.5n +/-0.3n 0402	L606	1	SDCL1005C1N5STDF	Sunlord
58	P	2400002V003	ind 2.4n +/-0.3n 0402	L804	1	SDCL1005C2N4STDF	Sunlord
59	P	2400002A059	ind 2.2n +/-0.3n 0402	L613	1	SDCL1005C2N2STDF	Sunlord
60	P	2400002A061	ind 3.0n +/-0.3n 0402	L802	1	SDCL1005C3N0STDF	Sunlord
61	P	2400002A063	ind 3.9n +/-0.3n 0402	L614	1	SDCL1005C3N9STDF	Sunlord
62	P	2400002A065	ind 5.6n +/-0.3n 0402	L611	1	SDCL1005C5N6STDF	Sunlord
63	P	2400002A066	ind 6.8n +/-5% 0402	L623	1	SDCL1005C6N8JTDF	Sunlord
64	P	2400002A067	ind 8.2n +/-3% 0402	C645 C647	2	SDCL1005C8N2HTDF	Sunlord
65	P	2400002A073	ind 18n +/-5% 0402	L609	1	SDCL1005C18NJTDF	Sunlord
66	P	2400002A074	ind 22n +/-5% 0402	L604	1	SDCL1005C22NJTDF	Sunlord
67	P	2400002A082	ind 100n +/-5% 0402	L801	1	SDCL1005CR10JTDF	Sunlord
68	P	4700001V001	EMI Bead, 1channel, 600Ω at 100MHz, 500mA, 0603	R504	1	PZ1608D601-R50TF	Sunlord
69	P	2400007A048	Ind power 4.7uH+/-20%, 2.5*2*1mm 1.1A DCR0.15ohm	L101	1	CKP2520 4R7M-T	Taiyo Yuden
70	P	4700023A001	EMI Bead, 1channel, 1KΩ at 100MHz, 100mA, 0603	L102 L103 L201 L202 L203 L205 L208 L209 L210	9	BLM18HD102SN1D	Murata
71	P	4700064A001	Ferrite Bead 0402 75Ohm@100MHz 0.3Ohm DCR 600mA	L503	1	SZ1005G750(f)	Sunlord
72	P	4800030A001	Crystal 32.768KHz +/-20ppm 12.5pF 7.0*1.5*1.4(mm)	OSC101	1	SSP-T7-F(12.5pf ± 20ppm)	Seiko
73	P	4800129A001	Transister N channel MOSFET Vdss=20V Vgs=10V Id=238mA	Q101	1	NTA4001NT1G	Onsemi
74	P	4800003V001	P-Channel 1.8v(G-S) MOSFET Wliith Schottky Diode 1206-8 ChipFET	U102	1	TT8U2FU7TR	ROHM
75	P	4800092A001	Diode White LED 5mA 2.6~3.2V 1.6*0.8*0.38(mm) 0603	D702 D703 D704 D705 D706 D710 D711 D713 D724 D725 D726 D727 D728	13	AOT-0603W331A-N0-X- 3-M	AOT

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76	P	4800372A001	schottky barrier diode Vr=30V Forward current=1.5A	D110	1	RB070M-30TR	rohm
77	P	4800375A001	Diode Schottky barrier Diode	D101	1	RB520S-30FJTE61	ROHM
78	P	4800085A001	Diode zener Vzmin=6.65V Vzmax=6.93V Iz=5mA	D204 D205	2	VDZT2R6.8B	ROHM
79	P	4800415A001	Crystal 26MHz 2.5*3.2*0.7mm	OSC601	1	TZ1387A	TAISAW
80	P	4800441A001	Crystal 40MHz, +/-10ppm 10.5pF	OSC401	1	TZ1596A	TAISAW
81	P	5100559A001	Analog switch 2:1 multiplexer	U501	1	NLASB3157DFT2G	Onsemi
82	P	5100036V001	Base band MT6235 13mm*13mm 362pin TFBGA	U101	1	MT6235BA/H	MTK
83	P	5101133A001	GSM850/900/1800/1900 Single Chip GSM Radio, 32-lead LFCSP, 5*5mm	U601	1	AD6548BCPZ-RL3	MTK
84	P	5101230A001	Audio Power Amplifier 1Watt Micro SMD	U201 U203	2	HWD2190ITL	CSMSC
85	P	5101439A001	Memory 512M NAND(8bit 3V)+256M SDRAM(16bit 1.8v) 107-ball FBGA	U301	1	H8ACU0CE0BBR-36M	Hynix
86	P	6000027A001	Batt 0.027mAh 3.3V BACKUP BATTERY	BAT101	1	XH414HG IV01E	Seiko
87	P	0900556A001	6 pin conn-SIM holder wing H1.9	CONN102 CONN103	2	WKSM005-1901	JTCONN
88	P	5100038V001	SINGLE-CHIP BROADCAST FM RADIO TUNER	U804	1	RDA5802NS	RDA
89	P	0900065A001	conn-RF bottom H1.75	CONN601	1	MHC-310	Amphenol KAE
90	P	5100011V001	4 Channel LED Driver DFN2*2_8	U503	1	BCT3220ELA-TR	broadchip
91	P	5101408A001	USB 2.0 High-Speed and Audio Switches UMLP 1.4X1.8	U502	1	FSA321UMX	Fairchild
92	P	5100040V001	SINGLE CHIP FOR BLUETOOTH	U801	1	RDA5875	RDA
93	P	5100041V001	GSM Qband PA 6*6	U602	1	RDA6232	RDA
94	P	0900002V001	BAT CONN	CONN101	1	SDL-16	
95	P	9100006V001	6PIN 850MHz SAW Filter	U603	1	SFH881TQ302	WISOL
96	P	9100007V001	6PIN 900MHz SAW Filter	U604	1	SFH942TQ302	WISOL
97	P	9100008V001	6PIN 1800MHz SAW Filter	U605	1	SFHG42TQ302	WISOL
98	P	9100009V001	6PIN 1900MHz SAW Filter	U606	1	SFHG60TQ302	WISOL
99	P	MR30076V000	BB_SH	SH2	1	YF207	
100	P	MR30075V000	RF_SH	SH1	1	YF206	
101	P	0600003A050	res 100 +/-5% 0402 1/16W	R220 R221	2	RC0402JR-07100RL	YAGEO