

Main Board BOM

Item	Assy Level					Purchase Level	Part No.	Description	Ref No.	QTY	Supplier P/N	Supplier Name	2nd source P/N	2nd source Supplier	Remark
	0	1	2	3	4										
1				*			A210020V000	MainBoard PCBA		1					
2				*		P	MR70016V200	MainBoard PCB		1	MR70016V200	Verykool			
3				*		P	0600003A001	res 0 +/-5% 0402 1/16W	R412 R413 R414 R617 R803 R515	6	RC0402JR-070RL	YAGEO			
4				*		P	0600003A018	res 4.7 +/-5% 0402 1/16W	R411	1	RC0402JR-074R7L	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	0600003A044	res 56 +/-5% 0402 1/16W	R607	1	RC0402JR-0756RL	YAGEO			
9				*		P	0600003A058	res 220 +/-5% 0402 1/16W	R220 R221	2	RC0402JR-07220RL	YAGEO			
10				*		P	0600003A066	res 470 +/-5% 0402 1/16W	R510	1	RC0402JR-07470RL	YAGEO			
11				*		P	0600003A074	res 1K +/-5% 0402 1/16W	R107 R201 R204 R208 R211 R215 R601 R611 R612	9	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	4	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	0600003A094	res 6K8 +/-5% 0402 1/16W	R114	1	RC0402JR-076K8L	YAGEO			
17				*		P	0600003A098	res 10K +/-5% 0402 1/16W	R613	1	RC0402JR-0710KL	YAGEO			
18				*		P	0600003A102	res 15K +/-5% 0402 1/16W	R802	1	RC0402JR-0715KL	YAGEO			
19				*		P	0600003A105	res 20K +/-5% 0402 1/16W	R202 R210 R511 R512	4	RC0402JR-0720KL	YAGEO			
20				*		P	0600003A107	res 24K +/-5% 0402 1/16W	R616	1	RC0402JR-0724KL	YAGEO			
21				*		P	0600003A114	res 47K +/-5% 0402 1/16W	R701 R702 R703 R704 R705 R706	6	RC0402JR-0747KL	YAGEO			
22				*		P	0600003A115	res 51K +/-5% 0402 1/16W	R301	1	RC0402JR-0751KL	YAGEO			
23				*		P	0600003A118	res 68K +/-5% 0402 1/16W	R212 R213	2	RC0402JR-0768KL	YAGEO			
24				*		P	0600003A122	res 100K +/-5% 0402 1/16W	R105 R106 R404 R407 R408 R409 R501	7	RC0402JR-07100KL	YAGEO			
25				*		P	0600007A058	res 0.2 +/-1% 0805 1/8W	R104	1	RL0805FR-070R2L	YAGEO			
26				*		P	0600005A001	res 0 +/-5% 0603 1/10W	R102	1	RC0603JR-070RL	Yageo			
27				*		P	0900053A001	Conn-ZIF 45pin 0.3pitch f H1.0	CONN504	1	FH26-45S-0.3SHW(05)	Hirose			
28				*		P	0900064A001	conn-switch 0.2mm 4.5x2.3x1.7	S702	1	LS10N2-T	Citizen			
29				*		P	0900521A001	conn-BB Socket 24pin 0.4pitch H1.5	CONN510	1	AXK724147G	Panasonic			
30				*		P	0900630A001	5 pin micro usb H=2.5	CONN502	1	WKUBI011-011	JTCONN			
31				*		P	EX90005V000	T-Flash card connector by Detect pin	CONN701	1	WKTFH001-002	JTCONN			
32				*		P	2100005A002	Cap Ceramic 0402 0.5pF +/-0.1pF 50V C0G	C408	1	UMK105CG0R5BW-F	Taiyo Yuden			
33				*		P	2100005A011	Cap Ceramic 0402 1.5pF +/-0.1pF 50V C0G	C639 C640	2	UMK105CG1R5BW-F	Taiyo Yuden			
34				*		P	2100005A041	Cap Ceramic 0402 6pF +/-0.1pF 50V C0G	C632	1	UMK105CG060BW-F	Taiyo Yuden			

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35			*			P	2100005A046	Cap Ceramic 0402 7pF +/-0.25pF 50V C0G	C618 C619	2	UMK105CG070CW-F	Taiyo Yuden			
36			*			P	2100005A054	Cap Ceramic 0402 9pF +/-0.25pF 50V C0G	C616 C617	2	UMK105CG090CV-F	Taiyo Yuden			
37			*			P	2100005A062	Cap Ceramic 0402 12pF +/-5% 50V C0G	C406 C508 C509 C510 C511	5	UMK105CG120JV-F	Taiyo Yuden			
38			*			P	2100005A064	Cap Ceramic 0402 15pF +/-5% 50V C0G	C620 C621 C622 C623	4	UMK105CG150JV-F	Taiyo Yuden			
39			*			P	2100005A068	Cap Ceramic 0402 22pF +/-5% 50V C0G	C101 C102 C631 C633 C636 C637 C638	7	UMK105CG220JV-F	Taiyo Yuden			
40			*			P	2100005A069	Cap Ceramic 0402 24pF +/-5% 50V C0G	C808	1	UMK105CG240JV-F	Taiyo Yuden			
41			*			P	2100005A070	Cap Ceramic 0402 27pF +/-5% 50V C0G	C625	1	UMK105CG270JV-F	Taiyo Yuden			
42			*			P	2100005A071	Cap Ceramic 0402 33pF +/-5% 50V C0G	C215 C216 C225 C226 C227 C228 C234 C236	8	UMK105CG330JV-F	Taiyo Yuden			
43			*			P	2100005A072	Cap Ceramic 0402 39pF +/-5% 50V C0G	C606 C608 C624 C231 C232 C233 C522 C523 C524 C525	10	UMK105CG390JV-F	Taiyo Yuden			
44			*			P	2100005A074	Cap Ceramic 0402 47pF +/-5% 50V C0G	C602	1	UMK105CG470JV-F	Taiyo Yuden			
45			*			P	2100005A075	Cap Ceramic 0402 56pF +/-5% 50V C0G	C803	1	UMK105CG560JV-F	Taiyo Yuden			
46			*			P	2100005A077	Cap Ceramic 0402 82pF +/-5% 50V C0G	C607 C609 C648	3	UMK105CG820JV-F	Taiyo Yuden			
47			*			P	2100005A079	Cap Ceramic 0402 100pF +/-5% 50V C0G	C209 C501	2	UMK105CG101JV-F	Taiyo Yuden			
48			*			P	2100005A085	Cap Ceramic 0402 220pF +/-5% 50V C0G	C217 C221 C634	3	UMK105CG221JV-F	Taiyo Yuden			
49			*			P	2100005A104	Hi-Q cap 0.9p +/-0.1p 50V C0H 0402	C890	1	UVK105CH0R9BW-F	Taiyo Yuden			
50			*			P	2100006A023	Cap Ceramic 0402 1000pF +/-10% 50V X7R	C142 C604 C629 C812	4	UMK105B7102KV-F	Taiyo Yuden			
51			*			P	2100006A037	Cap Ceramic 0402 0.015uF +/-10% 16V X7R	C218 C219	2	EMK105B7153KV-F	Taiyo Yuden			
52			*			P	2100006A039	Cap Ceramic 0402 0.022uF +/-10% 16V X7R	C809 C813	2	EMK105B7223KV-F	Taiyo Yuden			
53			*			P	2100006A042	Cap Ceramic 0402 0.033uF +/-10% 16V X7R	C612	1	EMK105B7333KV-F	Taiyo Yuden			
54			*			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 C224 C229 C301 C302 C405 C513 C514 C517 C603 C605 C610 C613 C614 C615 C630 C806 C807	34	EMK105BJ104KV-F	Taiyo Yuden			
55			*			P	2100006A055	Cap Ceramic 0402 0.22uF +/-10% 10V X5R	C611	1	LMK105BJ224KV-F	Taiyo Yuden			
56			*			P	2100006A062	Cap Ceramic 0402 1uF +/-10% 10V X5R	C103 C112 C117 C118 C119 C122 C124 C140 C141 C144	25	LMK105BJ105KV-F	Taiyo Yuden			
57			*			P	2100007A021	Cap Ceramic 0402 2.2uF +/-20% 6.3V X5R	C805	1	JMK105BJ225MV-F	Taiyo Yuden			
58			*			P	2100010A071	Cap Ceramic 0603 1uF +/-10% 25V X5R	C104	1	TMK107BJ105KA-T	Taiyo Yuden			
59			*			P	2100010A072	Cap Ceramic 0603 2.2uF +/-10% 6.3V X5R	C120 C701	2	JMK107BJ225KA-T	Taiyo Yuden			

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60				*		P	2100010A076	Cap Ceramic 0603 4.7uF +/-10% 6.3V X5R	C106 C107 C109 C110 C111 C113 C115 C133 C203 C223	10	JMK107BJ475KA-T	Taiyo Yuden			
61				*		P	2100011A026	Cap Ceramic 0603 10uF +/-20% 6.3V X5R	C129 C135	2	JMK107BJ106MA-T	Taiyo Yuden			
62				*		P	2100014A051	Cap Ceramic 0805 10uF +/-10% 6.3V X5R T=0.95mm max	C145 C207	2	JMK212BJ106KD-T	Taiyo Yuden			
63				*		P	2100015A029	Cap Ceramic 0805 22uF +/-20% 6.3V X5R	C105 C202 C214	3	JMK212BJ226MG-T	Taiyo Yuden			
64				*		P	2100021A047	Cap Tant 33u +/-20% 6.3V 0805 H=1.2mm ESR=3000moh	C628	1	TLJR336M006R3000	AVX			
65				*		P	2400002A058	ind 1.8n +/-0.3n 0402	L810	1	SDCL1005C1N8STDF	Sunlord			
66				*		P	2400002A059	ind,2.2n,+/-0.3n,0402	C409	1	SDCL1005C2N2STDF	Sunlord			
67				*		P	2400002A063	ind 3.9n +/-0.3n 0402	L602 L603	2	SDCL1005C3N9STDF	Sunlord			
68				*		P	2400002A055	Ind 6.2n +/-5% 0402	L613	1	SDCL1005C6N2JTDF	Sunlord			
69				*		P	2400002A065	ind 5.6n +/-0.3n 0402	L614	1	SDCL1005C5N6STDF	Sunlord			
70				*		P	2400002A066	ind 6.8n +/-5% 0402	L604	1	SDCL1005C6N8JTDF	Sunlord			
71				*		P	2400002A072	ind 15n +/-5% 0402	L606	1	SDCL1005C15NJTDF	Sunlord			
72				*		P	2400002A073	ind 18n +/-5% 0402	L607	1	SDCL1005C18NJTDF	Sunlord			
73				*		P	2400002A082	ind 100n +/-5% 0402	L1001	1	SDCL1005CR10JTDF	Sunlord			
74				*		P	2400006A073	Ind coil 1uH +/-20% 0603	L204	1	LB1608T1R0M	Taiyo Yuden	MCL1608S1R0MT	Sunlord	
75				*		P	2400007A017	Ind power 4.7uH +/-20% 2*1.6*1.6mm 550mA DCR0.37ohm	L101	1	CBC2016T4R7M	Taiyo Yuden	MPL2016S4R7MHT	Sunlord	
76				*		P	4700023A001	EMI Bead, 1channel, 1KΩ at 100MHz, 100mA, 0603	L102 L103 L201 L202 L203	5	BLM18HD102SN1D	Murata	HZ1608K102TDF	Sunlord	
77				*		P	4700064A001	Ferrite Bead 0402 750hm@100MHz 0.3Ohm DCR 600mA	L206 L207 L503 L511 L105 L106 L107 L108 L210 L211	10	SZ1005G750(f)	Sunlord			
78				*		P	4800030A001	Crystal 32.768KHz +/-20ppm 12.5pF 7.0*1.5*1.4(mm)	OSC101	1	SSP-T7-F(12.5pf ± 20ppm)	Seiko			
79				*		P	4800132A001	Transister P channel MOSFET Vdss=8V Vgs=8V Id=1.4A	Q501	1	NTS2101PT1G	Onsemi			
80				*		P	4800129A001	Transister N channel MOSFET Vdss=20V Vgs=10V Id=238mA	Q101	1	NTA4001NT1G	Onsemi	WNM4001-3/TR	Will	
81				*		P	4800003V001	P-Channel 1.8v(G-S) MOSFET Wlith Schottky Diode 1206-8 ChipFET	U102	1	TT8U2FU7TR	ROHM	ASM5853F/TR-LF	A1semi	
82				*		P	4800085A001	Diode zener Vzmin=6.65V Vzmax=6.93V Iz=5mA	D204 D205 D206 D207 D209 D210 D703 D704 D705 D706	13	VDZT2R6.8B	ROHM			
83				*		P	4800372A001	schottky barrier diode Vr=30V Forward current=1.5A	D110	1	RB070M-30TR	rohm			
84				*		P	4800375A001	Diode Schottky barrier Diode	D101	1	RB520S-30FJTE61	ROHM	CDBU0230R-HF	COMCHIP	
85				*		P	4800415A001	Crystal 26MHz 2.5*3.2*0.7mm	OSC601	1	TZ1387A	TAISAW			
86				*		P	5100016V001	4 direction detector;3.8*3.8*1.6	U504	1	TS1003	EDISON			
87				*		P	5100559A001	Analog switch 2:1 multiplexer	U501	1	NLASB3157DFT2G	Onsemi			

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	0	1	2	3	4										
88				*			P	5100036V001	Base band MT6235 13mm*13mm 362pin TFBGA	U101	1	MT6235BA/H	MTK		
89				*			P	5101133A001	GSM850/900/1800/1900 Single Chip GSM Radio, 32-lead LFCSP, 5*5mm	U601	1	AD6548BCPZ-RL3	MTK		
90				*			P	5101135A001	Bluetooth Transeiver And Baseband Processor IC QFN40	U801	1	MT6612BN/H	MTK		
91				*			P	5101230A001	Audio Power Amplifier 1Watt Micro SMD	U201 U203	2	HWD2190ITL	CSMSC		
92				*			P	5100037V001	Memory 1Gb Nand+512Mb SDRAM 107 ball	U301	1	H8ACU0EG0BBR-36M	Hynix		
93				*			P	5101357A001	SKY77542 Tx-Rx iPAC FEM for Dual-Band GSM/GPRS	U602	1	SKY77542	SKYWORKS		
94				*			P	5900057A001	Motor column SMT Φ4.0×11	VIB101	1	GS-3205	AWA		
95				*			P	6000027A001	Batt 0.027mAh 3.3V BACKUP BATTERY	BAT101	1	XH414HG IV01E	Seiko		
96				*			P	9100095A001	1800/1900MHz range SAW filter for communication equipment.	U604	1	SAWEN1G84CW0F00R14	Murata		
97				*			P	9100160A001	SAW Filter 881.5/942.5MHz	U603	1	SAWEN881MCY0F00	Murata		
98				*			P	5100049V001	MULTILAYER CERAMIC BAND PASS FILTER	U802	1	RFBPB2012090AM1T61	walsin		
99				*			P	EX30003V000	2 in 1 SIM card connector	CONN102	1	AC0500-137	LAIMU		
100				*			P	EX50001V000	BATT connector	CONN101	1	AC0100-161	LAIMU		
101				*			P	EX80001V000	3.5AudioJack	CONN201	1	ST-0228S0Q-061-14A	泰威		
102				*			P	5100018V001	6 channel LED driver (common anode and common cathode)	U502	1	BCT3222ETB-TR	Broadchip		
103				*			P	EX90002V000	SMT_Spring_for_Antenna	T401 T402 T801 T802	4	P-JS-IT-18	杰思电子		
104				*			P	5100038V001	SINGLE-CHIP BROADCAST FM RADIO TUNER	U804	1	RDA5802NS	RDA	RDA5802HS	RDA
105				*			P	EW60001V000	Small RF connector	CONN601	1	W.FL-R-SMT-1(10)	Hirose		
106				*			P	MR30058V000	RF_SH	SH1	1	MR30058V000	远舟		

Keypad Board BOM

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	0	1	2	3	4								
1			*				A210021V000	KeypadBoard PCBA		1			
2				*		P	MR70018V200	KeypadBoard PCB		1	MR70018V200	Verykool	
3				*		P	0600003A001	res 0 +/-5% 0402 1/16W	KR102	1	RC0402JR-070RL	YAGEO	
4				*		P	0900040A001	Conn-ZIF 4pin 0.5pitch f H0.9	KCONN103	1	FH19C-4S-0.5SH(05)	Hirose	
				*		P	2100005A049	Cap Ceramic 0402 8pF +/-0.5pF 50V C0G	KC103 KC104	2	UMK105CG080DV-F	Taiyo Yuden	
5				*		P	2100005A071	Cap Ceramic 0402 33pF +/-5% 50V C0G	KC105 KC107	2	UMK105CG330JV-F	Taiyo Yuden	
6				*		P	2100005A079	Cap Ceramic 0402 100pF +/-5% 50V C0G	KC106	1	UMK105CG101JV-F	Taiyo Yuden	
7				*		P	2100005A011	Cap,Ceramic,0402,1.5pF,+/-0.1pF,50V,C0G	KC102	1	UMK105CG1R5BW-F	Taiyo Yuden	
8				*		P	EX90002V000	SMT_Spring_for_Antenna	KT101	1	P-JS-IT-18	杰思电子	
9				*		P	0900014V001	Conn-ZIF 15pin 0.5pitch f H0.93	KCONN102	1	FH19-15S-0.5SH(49)	Hirose	
10				*		P	EW60001V000	Small RF connector	KCONN101	1	W.FL-R-SMT-1(10)	Hirose	
11				*		P	4700064A001	Ferrite Bead 0402 75Ohm@100MHz 0.3Ohm DCR 600mA	KR103 KR104	2	SZ1005G750(f)	Sunlord	
12				*		P	2400002A063	ind 3.9n +/-0.3n 0402	KR101	1	SDCL1005C3N9STDF	Sunlord	
13				*		P	4800085A001	Diode zener Vzmin=6.65V Vzmax=6.93V Iz=5mA	KD103 KD104 KD105 KD106	4	VDZT2R6.8B	ROHM	