

G-mate\_BOM\_V0.6

Item	PN	NAME	DISCRIPTION	SPECIFICATION	BRAND	Reference	QTY
1	3000008300	Chip Resistor ,0 Ω	Resistor,R0402,0 Ω ± 5%,1A	RC0402JR-070RL,R0402	YAGEO	R209 R210 R220 R233 R235 R11 R16 R120 R239 R23 R503 C702 L201 L202	14
2	3000008701	Chip Resistor ,100K Ω	Resistor,R0402,100K Ω ± 5%,0.063W	RC0402JR-07100KL,R0402	YAGEO	R205 R222 R423 R501 R502 R9 R13 R27 R28 R29	10
3	3000008601	Chip Resistor ,10K Ω	Resistor,R0402,10K Ω ± 5%,0.063W	RC0402JR-0710KL,R0402	YAGEO	R203 R12 R109 R31	4
4	3000008400	Chip Resistor ,10 Ω	Resistor,R0402,10 Ω ± 5%,0.063W	RC0402JR-0710RL,R0402	YAGEO	R102 R113	2
5	3000008501	Chip Resistor ,1 K Ω	Resistor,R0402,1 K Ω ± 5%,0.063W	RC0402JR-071KL,R0402	YAGEO	R207 R311 R410 R2 R3 R4 R245 R5 R18 R20 R10	11
6	3000009001	Chip Resistor ,2K Ω	Resistor,R0402,2K Ω ± 5%,0.063W	RC0402JR-072KL,R0402	YAGEO	R21 R22	2
7	3000013700	Chip Resistor ,22 K Ω	Resistor,R0402,22 K Ω ± 5%,0.063W	RC0402JR-0722KL,R0402	YAGEO	R110	1
9	3000009900	Chip Resistor ,4.7K Ω	Resistor,R0402,4.7K Ω ± 5%,0.063W	RC0402JR-074K7L,R0402	YAGEO	R204	1
10	3000012800	Chip Resistor ,47 K Ω	Resistor,R0402,47 K Ω ± 5%,0.063W	RC0402JR-0747KL,R0402	YAGEO	R223 R213	2
11	3000019400	Chip Resistor ,480K Ω	Resistor,R0402,480K Ω ± 5%,0.063W	RC0402JR-07480KL,R0402	YAGEO	R217	1
Repl ace	3000019500	Chip Resistor ,470K Ω	Resistor,R0402,470K Ω ± 5%,0.063W	RC0402JR-07470KL,R0402	YAGEO		
12	3000002600	Chip Resistor ,5.1K Ω	Resistor,R0402,5.1K Ω ± 1%,0.063W	RC0402FR-075K1L,R0402	YAGEO	R206	1
15	3002001100	Chip Resistor ,0.2 Ω	Resistor,R0805,0.2 Ω ± 1%,0.25W	RL0805FR-07R2L,R0805	YAGEO	R212	1
Repl ace	3002001101	Chip Resistor ,0.2 Ω	Resistor,R0805,0.2 Ω ± 1%,0.25W	RL0805FR-7W0R2L,R0805	YAGEO		
16	3000014501	Chip Resistor ,2.2 Ω	Resistor,R0402,2.2 Ω ± 5%,0.063W	RC0402JR-072R2L,R0402	YAGEO	R1	1
17	3000010900	Chip Resistor ,1M Ω	Resistor,R0402,1M Ω ± 5%,0.063W	RC0402JR-071ML,R0402	YAGEO	R216	1
19	3000009300	Chip Resistor ,33 Ω	Resistor,R0402,33 Ω ± 5%,0.063W	RC0402JR-0733RL,R0402	YAGEO	R7 R8	2
20	3000009600	Chip Resistor ,510 Ω	Resistor,R0402,510 Ω ± 5%,0.063W	RC0402JR-07510RL,R0402	YAGEO	R17 R19	2
21	2000000306	chip capaci tor ,0.5pF	Capaci tor,C0402,0.5pF ± 5%,50V	GRM1555C1HR50CZ01D,C0402	Murata	C143	1
23	2000002006	chip capaci tor ,5.6 pF	Capaci tor,C0402,5.6 pF ± 5%,50V	GRM1555C1H5R6CZ01D,C0402	Murata	C102	1
24	2000001006	chip capaci tor ,1.5 pF	Capaci tor,C0402,1.5 pF ± 5%,50V	GRM1555C1H1R5CZ01D,C0402	Murata	C142	1
27	2000001306	chip capaci tor ,1.8pF	Capaci tor,C0402,1.8pF ± 5%,50V	GRM1555C1H1R8CZ01D,C0402	Murata	C137	1
28	2000005407	chip capaci tor ,1 nF	Capaci tor,C0402,1 nF ± 10%,50V	GRM155R71H102KA01D,C0402	Murata	C111 C203 C126 C131 C41	5
29	2000002306	chip capaci tor ,100pF	Capaci tor,C0402,100pF ± 5%,50V	GRM1555C1H101JZ01D,C0402	Murata	C113 C313 C14	3

30	2000004407	chip capaci tor ,100 nF	Capaci tor ,C0402,100 nF± 10%,50V	GRM155R61A104KA01D,C0402	Murata	C21 C204 C206 C208 C209 C213 C216 C24 C217 C221 C236 C240 C255 C502 C503 C26 C121 C128 C129 C170 C2 C3 C234 C122 C37	25
31	2000004306	chip capaci tor ,1uF	Capaci tor ,C0402,1uF± 10%,6.3V	GRM155R60J105K*,C0402	Murata	C211 C212 C215 C227 C228 C229 C230 C231 C232 C233 C241 C312 C120 C127 C504 C29 C118 C39 C36	19
32	2000002407	chip capaci tor ,15 pF	Capaci tor ,C0402,15 pF± 5%,50V	GRM1555C1H150JZ01D,C0402	Murata	C8 C17	2
33	2000002706	chip capaci tor ,18 pF	Capaci tor ,C0402,18 pF± 5%,50V	GRM1555C1H180JZ01D,C0402	Murata	C6 C7 C135 C134	4
34	2000005605	chip capaci tor ,220pF	Capaci tor ,C0402,220pF± 5%,10V	GRM1555C1H221JZ01D,C0402	Murata	C30	1
35	2000002805	chip capaci tor ,22pF	Capaci tor ,C0402,22pF± 5%,50V	GRM1555C1H220JZ01D,C0402	Murata	C201 C202 C107 C119 C161 C162 C163	7
36	2000002906	chip capaci tor ,33 pF	Capaci tor ,C0402,33 pF± 5%,50V	GRM1555C1H330JZ01D,C0402	Murata	C256 C124 C15	3
37	2000003307	chip capaci tor ,39 pF	Capaci tor ,C0402,39 pF± 5%,50V	GRM1555C1H390JZ01D,C0402	Murata	C20 C31	2
39	2000001606	chip capaci tor ,4.7pF	Capaci tor ,C0402,4.7pF± 5%,50V	GRM1555C1H100JZ01D,C0402	Murata	C4 C5 C132 C133	4
40	2000007401	chip capaci tor ,6pF	Capaci tor ,C0402,6pF± 5%,50V	GRM1555C1H6R0CZ01D,C0402	Murata	C112 C23 C50 C51 C9 C10 C11	7
42	2001001905	chip capaci tor ,1 uF	Capaci tor ,C0603,1 uF± 10%,10V	GRM188R61A105KA61D,C0603	Murata	C238	1
43	2001001707	chip capaci tor ,1 uF	Capaci tor ,C0603,1 uF± 10%,16V	GRM188R61C105KA61D,C0603	Murata	C237	1
44	2001001606	chip capaci tor ,2.2 uF	Capaci tor ,C0603,2.2 uF± 10%,10V	GRM188R61A225KE34D,C0603	Murata	C123 C501 C25 C32	4
45	2001000607	chip capaci tor ,4.7 uF	Capaci tor ,C0603,4.7 uF± 10%,10V	GRM188R61A475KE15D,C0603	Murata	C205 C219 C220 C222 C223 C224 C225 C226 C125 C155	10
46	2002001405	chip capaci tor ,10 uF	Capaci tor ,C0805,10 uF± 10%,10V	GRM21BR61A106KE19L,C0805	Murata	C214 C218 C239	3
47	2002001306	chip capaci tor ,22 uF	Capaci tor ,C0805,22 uF± 20%,6.3V	GRM21BR60J226ME39L,C0805	Murata	C114	1
48	2100001907	chip capaci tor ,100 uF	Capaci tor ,C3528,100 uF± 20%,6.3V	TEESVB30J107M8R,C3528	NEC	C115	1
Repl ace	2100001900	chip capaci tor ,100 uF	Capaci tor ,C3528,100 uF± 20%,6.3V	F930J107MBA	ni chi con		
49	2000006006	chip capaci tor ,22 nF	Capaci tor ,C0402,22 nF± 10%,50V	GRM155R71H223KA01D,C0402	Murata	C16 C1	2
50	2000004806	chip capaci tor ,10 nF	Capaci tor ,C0402,10 nF± 10%,50V	GRM155R71H103KA01D,C0402	Murata	C28 C33 C40 C38	4
51	2000007506	chip capaci tor ,10pF	Capaci tor ,C0402,10pF± 5%,50V	GRM1555C1H100JZ01D,C0402	Murata	C35	1
53	1031000401	Di ode	CZRU52C6V8	CZRU52C6V8	COMCHI P	D1	1
55	1033000300	di ode,	Di ode,RB521S-30	RB521S-30TE61	ROHM	D304	1
Repl ace	1033000304	di ode,	Di ode,RB521S-30	RB521S-30	Changjiang		
56	1024001500	ESD	ESD,DF2S6.8FS(TH3,T)	DF2S6.8FS(TH3,T)	TOSHI BA	ESD202 ESD203	2

58	1025000701	ESD	ESD, R0402	VS10-050A-400JT, R0402	CTC	VR405	1
Repl ace	1025000700	ESD	ESD, , R0402, I CVL0518400V500FR	I CVL0518400V500FR	ICT		
Repl ace	1025000702	ESD	ESD, R0402	AVLC5S02050	Amotech		
59	4000001806	chip inductor, 18nH	Inductor, L0402, 18nH	LQG15HN18NJ02D , L0402	Murata	L107	1
60	4000005201	chip inductor, 6. 2nH	Inductor, L0402, 6. 2nH	LQG15HN6N2S02D, L0402	Murata	L102 L6	2
61	4000005100	chip inductor, 3. 9nH	Inductor, L0402, 3. 9nH	LQG15HN3N9S02D, L0402	Murata	L101	1
62	4000000305	chip inductor, 4. 7nH	Inductor, L0402, 4. 7nH	LQG15HN4N7S02D, L0402	Murata	L1 L132	2
63	4000002200	chip inductor, 6. 8nH	Inductor, L0402, 6. 8nH	LQG15HN6N8S02D, L0402	Murata	L108	1
64	4000002400	chip inductor, 22nH	Inductor, L0402, 22nH	LQG15HN22NJ02D , L0402	Murata	L133	1
66	4000002100	chip inductor, 15nH	Inductor, L0402, 15nH	LQG15HN15NJ02D , L0402	Murata	L4 L2	2
67	4200000700	chip inductor, BK1005HS680	Inductor, L0402, BK1005HS680	BLM15BB750SN1, L0402	Murata	L105 L106 L204 L205 L112 L113 L7 L8 L9	9
68	4002000700	Power Inductors, 4. 7uH	Inductor, L0805, 4. 7uH± 30%	LQM21PN4R7NGR, L0805	Murata	L203	1
69	1035006000	2-color RG-LED	2-color RG-LED	LX19-22SURYGC/S530-A2/TR8	Linxin	LED1	1
70	1030001600	Transistor	transistor, PBSS2515E, S0T416	PBSS2515E, S0T416	PHILIPS	Q1 Q3 Q2	3
Repl ace	1030001301	Transistor	MMST2222, S0T-523	MMST2222, S0T-523	Changjiang		
72	1030001800	Transistor, Si2301DS	Transistor, Si2301DS	Si2301DS	VISAY	Q11	1
Repl ace	1030001801	Transistor	Transistor	CJ2301	Changjiang		
73	5006004500	VBAT Connector	BAT_Connector, VBAT Connector, 3Pin	LK-BTR316-0348R	Lekeconn	BAT1	1
74	5000001500	antenna connector	ANT, Connector	HCM0400-00#3	Seiko	ANT1 ANT5	2
76	1037003800	SAWFILTER	SAWFILTER, LFB212G45BB1D126	LFB212G45BB1D126	Murata	SAW702	1
79	1037003900	SAWFILTER	SAWFILTER, SAFEA1G84FA0F00R14	SAFEA1G84FA0F00R14	Murata	SAW3	1
80	1037004000	SAWFILTER	SAWFILTER, SAWEN881MCX0F00	SAWEN881MCX0F00	Murata	SAW1	1
81	1037004100	SAWFILTER	SAWFILTER, SAFEA1G96FA0F00R14	SAFEA1G96FA0F00R14	Murata	SAW2	1
82	1029001500	IC, SI5853DC	SI5853DC, SI5853DC	SI5853DC	VISHAY	U203	1
Repl ace	1029001506	IC, WPM2005B-8/TR	WPM2005B-8/TR	WPM2005B-8/TR	WILL		
83	1000100500	IC, MT6140C	Transceiver MT6140CN	MT6140CN	MTK	U101	1
84	1000001100	IC, MT6235B	MT6235B, MT6235B	MT6235BA/H	MTK	U201	1
85	1001000200	IC, BC6888A04-ICXL-R	BC6888, BC6888A04-ICXL-R	BC6888A04-ICXL-R	CSR	U703	1

86	1011000800	IC, RT9193-18, SOT23-5	RT9193-18, RT9193-18, SOT23-5	RT9193-18, SOT23-5	richtek	U4	1
Repl ace	1011000806	IC, CE6200B18M	CE6200B18M	CE6200B18M	CHIPPOWER		
87	1027001700	IC, DSB321SCA(TCX0), 3225	DSB321SCA, DSB321SCA(TCX0), 3225	DSB321SCA(TCX0), 3225	KDS	U5	1
88	1010000500	IC, NC7SB3157	NC7SB3157	NC7SB3157	Fairchild	U403	1
Repl ace	1010000502	IC, NLASB3157DFT2G	NLASB3157DFT2G	NLASB3157DFT2G	Onsemi		
Repl ace	1010000503	IC, FT3157	FT3157	FT3157	FANGTEX		
90	1036000400	IC, LMSP33CA-465	SWITCH, LMSP33CA-465	LMSP33CA-465	Murata	U2	1
91	1004101100	IC, SKY77344	PA, SKY77344	SKY77344-11	SKYWORKS	U6	1
92	1023003100	IC, H8ACUOE0DAR	Memory, HYNIX (Hynix)	H8ACUOE0DAR	HYNIX	U501	1
Repl ace	1023003101	IC, TY8000A000CMGFFBGA	Memory	TY8000A000CMGFFBGA	TOSHIBA		
93	5003003600	SIM1-Con	SIM1 Connector	LK-SIM459-0619R1	Lekeconn	SIM1	1
94	1036000005	RF-CON	RF-CON, MM8430-2610	MM8430-2610	Murata	J101	1
95	5005002800	I/O-Con	I/O Connector, UAF95-05123-SF06-CUS	UAF95-05123-SF06-CUS	Linkconn/LCN	USB1	1
96	1028001600	Crystal, 32.768KHz	Crystal, 32.768KHz, SM-14J-3	Q13MC1462000200,	EPSON	Y201	1
Repl ace	1028001601	Crystal, 32.768KHz	Crystal, 32.768KHz, SSP-T7-F	SSP-T7-F	SEIKO		
97	1027001207	Crystal, 26.00MHz	Crystal, 26.00MHz±10PPM3225/4, XTAL-2	7M26000314, XTAL-2	TXC	OSC101	1
98	5000001400	SWITCH, IT-1100AAEP-G	SIDE-SWITCH, IT-1100AAEP-G	IT-1100AAEP-G	ILSWITCH	SW1 SW2	2
99	7101009000	SHIELD FRAME(BB)	SHIELD FRAME(BB)	SHIELD FRAME(BB)	Jieang	SBB01	1
100	7101009100	SHIELD CASE(BB)	SHIELD CASE(BB)	SHIELD CASE(BB)	Jieang	SBB01	1
102	7101009300	SHIELD TC1	SHIELD TC1	SHIELD TC1	Jieang	SRF02	1
103	7101009400	SHIELD PA	SHIELD PA	SHIELD PA	Jieang	SRF01	1
104	6000003700	PCB LR6	PCB V0-LAYER6	Imate-0	Simo	PCB	1