

No.	Reference	Description	Specification	Parts Number	Manufacturer	Qty	Note
1	C1	Ceramic Capacitor	1005,0.47uF,50V	UMK105ABJ474KV-F	TAIYO YUDEN	1	-
2	C2,C3	Ceramic Capacitor	0603,6pF,25V	GRM0335C1E6R0CA01D	MURATA	2	-
3	C4,C5,C6,C10,C14,C16,C17	Ceramic Capacitor	0603,0.1uF,16V	GRM033R61C104KE84D	MURATA	7	-
4	C7	Ceramic Capacitor	1608,4.7uF,16V	C1608X5R1C475K080AC	TDK	1	-
5	C8,C9	Ceramic Capacitor	0603,47pF,50V	GRM0335C1H470JA01D	MURATA	2	-
6	C11,C15	Ceramic Capacitor	1005,1uF,16V	GRM155C81C105KE11D	MURATA	2	-
7	C12,C13	Electrolytic capacitor	φ6.3,47uF,35V	UUD1V470MCL1GS	NICHICON	2	-
8	C18,C19	Capacitor Lead type	-	-	-	0	Unmounted
9	C20	Ceramic Capacitor	1005,0.01uF	-	-	0	Unmounted
10	D1	Diode	Schottky,40V,1A	RB160MM-40	ROHM	1	-
11	FL1	Ferrite Bead	2012,100ohm@100MHz,+/-25%,4A	MPZ2012S101A	TDK	1	-
12	J1,J3	Female-connector	Female,1x8Pin,2.54mm pitch,DIP	FH2543-08GT10	MTCONN	2	-
13	J2	Female-connector	Female,1x6Pin,2.54mm pitch,DIP	FH2543-06GT10	MTCONN	1	-
14	J4	Female-connector	Female,1x10Pin,2.54mm pitch,DIP	FH2543-10GT10	MTCONN	1	-
15	J5	Connector	-	7614-6002PL	3M	0	Unmounted
16	J6	Connector	1x19pin,2.54mm pitch,DIP	FFC-19AMEP1	HONDA	0	Unmounted
17	J7	Connector	1x16pin,2.54mm pitch,DIP	FFC-16AMEP1	HONDA	0	Unmounted
18	J8,J9,J11	3-pin header	-	PSS-410256-03	HIROSUGI	0	Unmounted
19	J10	Grove Connector	-	SKU110990030	SEED	0	Unmounted
20	J12	USB connector	MicroUSB B,receptacle,reverse mount,USB 2.0	ZX62R-B-5P(30)	HIROSE	1	-
21	J13	2-pin header	2.54mm pitch,3.05 hight	TSM-102-04-L-SV-TR	SAMTEC	1	-
22	J14	2-pin header	-	TSM-102-04-L-SV-TR	SAMTEC	0	Unmounted
23	J15,J18,J19	2-pin header	-	FFC-2AMEP1	HIROSUGI	0	Unmounted
24	J16	DC Jack	Center-positive,d2.0mm,D6.5mm	KLDX-SMT2-0202-ATR	KYCON	1	-
25	J17	3-pin header	2.54mm pitch,3.05 hight	TSM-103-04-L-SV-TR	SAMTEC	1	-
26	LED1,LED2,LED3	LED	1608,Green	SML-D12P8WT86	ROHM	3	-
27	OSC1	Crystal oscillator	20MHz	CSTNE20M0V53x	MURATA	0	Unmounted
28	OSC2	Crystal oscillator	20MHz	FRS-410426-03	HIROSUGI	0	Unmounted
29	OSC3	Crystal oscillator	32.768kHz	SSP-T7-FL 4.4pF	SII	1	-
30	Q1	FET	P-Channel,-20V,-2A	FDN340P	ON Semiconductor	1	-
31	R1,R12,R14,R15,R18	Resistor	1005,10K,1/10W,1%	RK73H1ETTP1002F	KOA	5	-
32	R2,R3,R4	Resistor	1005,680,1/10W,1%	RK73H1ETTP6800F	KOA	3	-
33	R5,R9	Resistor	1005,27,1/10W,1%	RK73H1ETTP27R0F	KOA	2	-
34	R6	Resistor	1005,2K,1/10W,1%	RK73H1ETTP2001F	KOA	1	-
35	R7,R8,R10,R13	Resistor	1005,1K,1/10W,1%	RK73H1ETTD1001F	KOA	4	-
36	R11	Resistor	1005,0	RK73Z1ETTP	KOA	1	-
37	R16,R19	Resistor	1005,20K,1/10W,1%	RK73H1ETTP2002F	KOA	2	-
38	R17	Resistor	1005,13K,1/10W,1%	RK73H1ETTP1302F	KOA	1	-
39	R20	Resistor	1005,100K,1/10W,1%	RK73H1ETTP1003F	KOA	1	-
40	SW1,SW2	Switch	tactile,12V,0.05A	SKQMBBE010	ALPS	2	-
41	TP1,TP3	Test pin	-	LC-22-G-RED	MAC8	0	Unmounted
42	TP2	Test pin	-	LC-22-G-BLACK	MAC8	0	Unmounted
43	TP4,TP5,TP6,TP7	Test pin	-	PSS-41256-04	HIROSUGI	0	Unmounted
44	U1	MCU	64pin, LQFP	R7F100GLG2DFB	RENESAS	1	-
45	U2	IC	USB to serial UART interface	FT232RQ-REEL	FTDI	1	-
46	U3	Logic IC	Single, 3state buffer	SN74LVC1G126DCKR	TI	1	-
47	U4	LDO	5V,1A	NCP1117ST50T3G	ON Semiconductor	1	-
48	U5	LDO	3.3V,250mA	ISL9021AIRUNZ-T	RENESAS	1	-
49	U6	OPAMP	Single, rail-to-rail	ISL28114FEZ-T7A	RENESAS	1	-
50	-	Jumper	2.54mm pitch,6.5 hight	JTP254-D1	MTCONN	1	J17 1-2pin Short
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REVISION HISTORY	RL78/G23-64p Fast Prototyping Board BOM List
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Rev	Date	Description	
		Page	Summary
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