

No.	Reference	Description	Specification	Parts Number	Manufacturer	Qty	Note
1	C1	Ceramic Capacitor	1005, 0.01uF, 50V	0402B103K500NT	FENGHUA	1	-
2		Capacitor Lead type	-	-	-	0	Unmounted
3	C4,C5	Ceramic Capacitor	0603, 4pF, 25V	GRM0335C1E4R0CA01D	MURATA	2	-
4	C6,C8,C9,C10,C14,C15	Ceramic Capacitor	0603, 0.1uF, 16V	GRM033R61C104KE84D	MURATA	6	-
5	C7	Ceramic Capacitor	1005, 0.47uF, 50V	GRM155R61H474KE11D	MURATA	1	-
6	C11	Ceramic Capacitor	1608, 4.7uF, 16V	C1608X5R1C475K080AC	TDK	1	-
7	C12,C13	Ceramic Capacitor	0603, 47pF, 50V	GRM0335C1H470JA01D	MURATA	2	-
8	C16,C17	Ceramic Capacitor	1005,1uF, 16V	GRM155C81C105KE11D	MURATA	2	-
9	D1	Diode	Schottky,25V, 1A	RB491DT146	ROHM	1	-
10	FL1	Ferrite Bead	2012,100ohm@100MHz,+/-25%,4A	MPZ2012S101A	TDK	1	-
11	GROVE1,GROVE2,GROVE3,GROVE4,GROVE5	Grove Connector	-	SKU110990030	SEED	5	-
12		Connector	1x28pin,2.54mm pitch,DIP	FFC-28AMEP1	HONDA	0	Unmounted
13		Connector	1x12pin,2.54mm pitch,DIP	FFC-12AMEP1	HONDA	0	Unmounted
14		Connector	1x14pin,2.54mm pitch,DIP	FFC-14AMEP1	HONDA	0	Unmounted
15	J5,J6,J7,J8,J9	Female-connector	Female,1x8Pin,2.54mm pitch,DIP	FH2543-08GT10	MTCONN	5	-
16	J10	Female-connector	Female,1x10Pin,2.54mm pitch,DIP	FH2543-10GT10	MTCONN	1	-
17		Connector	-	7614-6002PL	3M	0	Unmounted
18	J12	USB connector	MicroUSB B,receptacle,reverse mount, USB 2.0	ZX62R-B-5P(30)	HIROSE	1	-
19		2-pin header	-	FFC-2AMEP1	HONDA	0	Unmounted
20		3-pin header	-	FFC-3AMEP1	HONDA	0	Unmounted
21	J17	2-pin header(SMD)	2.54mm pitch, 6.5mm hight	HWP-2P-GM	MAC8	1	-
22		2-pin header(SMD)	2.54mm pitch, 6.5mm hight	HWP-2P-GM	MAC8	0	Unmounted
23	J20	3-pin header	2.54mm pitch, 6.5mm hight	HWP-3P-GM	MAC8	1	-
24	LED1,LED2,LED3	LED	1608,Green	SML-D12P8WT86	ROHM	3	-
25		Crystal oscillator	20MHz	CSTNE20M0V53x	MURATA	0	Unmounted
26		Crystal oscillator	20MHz	FRS-410426-03	HIROSUGI	0	Unmounted
27	OSC3	Crystal oscillator	32.768kHz	SSP-T7-FL 3.7pF	SII	1	-
28	PMOD1,PMOD2	Connector	2x6pin,2.54mm pitch,DIP	PPTC062LJBN-RC	Sullins Connector Solutions	2	-
29	SW,RST	Switch	tactile,12V,0.05A	SKQMBBE010	ALPS	2	-
30	R1,R12,R14,R16	Resistor	1005,10K,1/16W,1%	RK73H1ETTP1002F	KOA	4	-
31	R2,R3,R4	Resistor	1005,680,1/16W,1%	RK73H1ETTP6800F	KOA	3	-
32	R5,R6	Resistor	1005,27,1/16W,1%	RK73H1ETTP27R0F	KOA	2	-
33	R7	Resistor	1005,2K,1/16W,1%	RK73H1ETTP2001F	KOA	1	-
34	R8,R9,R10,R13	Resistor	1005,1K,1/16W,1%	RK73H1ETTD1001F	KOA	4	-
35	R11	Resistor	1005,0	RK73Z1ETTP	KOA	1	-
36	R15	Resistor	1005,100K,1/16W,1%	RK73H1ETTP1003F	KOA	1	-
37	R17,R18	Resistor	1005,560,1/16W,1%	RK73H1ETTP5600F	KOA	2	-
38		Resistor	1005,10K,1/16W,0.1%	ERA-2AEB103X	PANASONIC	0	Unmounted
39		Resistor	1005,10K,1/10W,1%	RK73H1ETTP1003F	KOA	0	Unmounted
40		Test pin	-	LC-22-G-RED	MAC8	0	Unmounted
41	U1	MCU	128pin, LQFP	R7F100GSN2DFB	RENESAS	1	-
42	U2	IC	USB to serial UART interface	FT232RQ-REEL	FTDI	1	-
43	U3	Logic IC	Single, 3state buffer	SN74LVC1G126DCKR	TI	1	-
44	U4	LDO	3.3V,250mA	ISL9021AIRUNZ-T	RENESAS	1	-
45	(J20)	Jumper	2.54mm pitch,6.5 hight	JS-1	MAC8	1	J20 1-2pin Short
*							

REVISION HISTORY	RL78/G23-128p Fast Prototyping Board BOM List
------------------	---

Rev	Date	Description	
		Page	Summary
1.00	Sep 16, 2021	-	First Edition issued