

No.	Reference	Description	Specification	Parts Number	Manufacturer	Qty	Note	
1	C1	-	Ceramic Capacitor	1005, 0.47uF/50V	GRM155R61H474KE11D	MURATA	1	-
2	-	C2,C3	Capacitor Lead type	-	-	-	0	Unmounted
3	C4,C5	-	Ceramic Capacitor	0603, 4pF, 25V	GRM0335C1E4R0CA01D	MURATA	2	-
4	C6,C8,C12,C13	-	Ceramic Capacitor	0603, 0.1uF, 16V	GRM033R61C104KE84D	MURATA	4	-
5	C7	-	Ceramic Capacitor	1005, 10nF, 25V	GRM155R71E103KA01J	MURATA	1	-
6	C9	-	Ceramic Capacitor	1608, 4.7uF, 16V	C1608X5R1C475K080AC	TDK	1	-
7	C10,C11	-	Ceramic Capacitor	0603, 47pF, 50V	GRM0335C1H470JA01D	MURATA	2	-
8	C14,C15,C16	-	Ceramic Capacitor	1005,1uF, 16V	GRM155C81C105KE11D	MURATA	3	-
9	D1	-	Diode	Schottky,25V,1A	RB491DT146	ROHM	1	-
10	D2	-	Diode	50V,1A	GF1A-E3/67A	VISHAY	1	-
11	FL1	-	Ferrite Bead	2012,120ohm@100MHz,+/-25%,3A	BLM21PG121SN1	MURATA	1	-
12	GROVE	-	Grove Connector	-	SKU110990030	SEED	1	-
13	-	J1,J2,J3,J4	Connector	12pin, 2.54mm pitch,DIP	FFC-12BMEP1	HONDA	0	Unmounted
14	J5,J7	-	Female-connector	Female,1x8Pin,2.54mm pitch,DIP	FH2543-08GT10	MTCONN	2	-
15	J6	-	Female-connector	Female,1x6Pin,2.54mm pitch,DIP	FH2543-06GT10	MTCONN	1	-
16	J8	-	Female-connector	Female,1x10Pin,2.54mm pitch,DIP	FH2543-10GT10	MTCONN	1	-
17	J9	-	USB connector	MicroUSB B,receptacle,reverse mount,USB 2.0	ZX62R-B-5P(30)	HIROSE	1	-
18	-	J10	Connector	-	7614-6002PL	3M	0	Unmounted
19	-	J11,J18	2-pin header	-	FFC-2AMEP1	HONDA	0	Unmounted
20	J15,J16	-	2-pin header	2.54mm pitch, 5.8mm hight	XJ8B-0211	Omron	2	-
21	-	J12, J13, J14	3-pin header	-	FFC-3AMEP1	HONDA	0	Unmounted
22	J17	-	3-pin header	2.54mm pitch, 5.8mm hight	XJ8B-0311	Omron	1	-
23	LED1,LED2,LED3	-	LED	1608,Green	SML-D12P8WT86	ROHM	3	-
24	-	OSC1	Crystal oscillator	20MHz	CSTNE20M0V53x	MURATA	0	Unmounted
25	-	OSC2	Crystal oscillator	20MHz	CSTLS20M0X51x	MURATA	0	Unmounted
26	OSC3	-	Crystal oscillator	32.768kHz	SSP-T7-FL 3.7pF	SII	1	-
27	PMOD1,PMOD2	-	Connector	2x6pin,2.54mm pitch,DIP	PPTC062LJBN-RC	Sullins Connector Solutions	2	-
28	R1,R12,R14,R16	-	Resistor	1005,10K,1/16W,1%	RK73H1ETTP1002F	KOA	4	-
29	-	R17,R18,R19,R20	Resistor	1005,10K,1/16W,1%	RK73H1ETTP1002F	KOA	0	Unmounted
30	R2,R3,R4	-	Resistor	1005,680,1/16W,1%	RK73H1ETTP6800F	KOA	3	-
31	R5,R6	-	Resistor	1005,27,1/16W,1%	RK73H1ETTP27R0F	KOA	2	-
32	R7	-	Resistor	1005,2K,1/16W,1%	RK73H1ETTP2001F	KOA	1	-
33	R8,R9,R10,R13	-	Resistor	1005,1K,1/16W,1%	RC-02W1001FT	Fenghua	4	-
34	R11	-	Resistor	1005,0	RK73Z1ETTP	KOA	1	-
35	R15	-	Resistor	1005,100K,1/16W,1%	AF0402FR-07100KL	YAGEO	1	-
36	R21,R22,R24,R25,R26	-	Resistor	1005,560,1/16W,1%	RK73H1ETTP5600F	KOA	5	-
37	-	R23	Resistor	1005,10K,1/16W,1%	ERA-2AEB103x	Panasonic	0	Unmounted
38	SW,RST	-	Switch	tactile,12V,0.05A	SKQMBBE010	ALPS	2	-
39	-	TP1,TP3	Test pin	-	LC-22-G-RED	MAC8	0	Unmounted
40	-	TP2	Test pin	-	LC-22-G-BLACK	MAC8	0	Unmounted
41	U1	-	MCU	48pin, LQFP	R7F102GGE2DFB	RENESAS	1	-
42	U2	-	IC	USB to serial UART interface	FT232RQ-REEL	FTDI	1	-
43	U3	-	Logic IC	Single, 3state buffer	74LVC1G126SE-7	DIODES	1	-
44	U4	-	LDO	3.3V,250mA	ISL9021AIRUNZ-T	RENESAS	1	-
45	(J16,J17)	-	Jumper	2.54mm pitch,6.5 hight	XJ8A-0241	OMRON	2	J17 1-2pin Short
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REVISION HISTORY	RL78/G22 Fast Prototyping Board BOM List
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Rev	Date	Description	
		Page	Summary
1.00	16-Nov-22	-	First Edition issued