

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,C7,C8,C12,C13		Ceramic Capacitor	0603, 0.1uF, 16V	GRM033R61C104KE84D	MURATA	5	-
5	C9		Ceramic Capacitor	1608, 4.7uF, 16V	C1608X5R1C475K080AC	TDK	1	-
6	C10,C11		Ceramic Capacitor	0603, 47pF, 50V	GRM0335C1H470JA01D	MURATA	2	-
7	C14,C15,C16		Ceramic Capacitor	1005,1uF, 16V	GRM155C81C105KE11D	MURATA	3	-
8	D1		Diode	Schottky,25V,1A	RB491DT146	ROHM	1	-
9	D2		Diode	50V,1A	GF1A-E3/67A	VISHAY	1	
10	FL1		Ferrite Bead	2012,120ohm@100MHz,+/-25%,3A	BLM21PG121SN1	MURATA	1	-
11	GROVE1,GROVE2,GROVE3		Grove Connector	-	SKU110990030	SEED	3	-
12		J1,J2	Connector	32pin, 2.54mm pitch,DIP	FFC-32BMEP1	HONDA	0	Unmounted
13	J3,J5		Female-connector	Female,1x8Pin,2.54mm pitch,DIP	FH2543-08GT10	MTCONN	2	-
14	J4		Female-connector	Female,1x6Pin,2.54mm pitch,DIP	FH2543-06GT10	MTCONN	1	-
15	J6		Female-connector	Female,1x10Pin,2.54mm pitch,DIP	FH2543-10GT10	MTCONN	1	
16		J7	Connector	-	7614-6002PL	3M	0	Unmounted
17	J8		USB connector	MicroUSB B,receptacle,reverse mount, USB 2.0	ZX62R-B-5P(30)	HIROSE	1	-
18		J9,J10,J15,J17	2-pin header	-	FFC-2AMEP1	HONDA	0	Unmounted
19	J14		2-pin header	2.54mm pitch, 5.8mm hight	XJ8B-0211	Omron	1	-
20		J11,J12,J13	3-pin header	-	FFC-3AMEP1	HONDA	0	Unmounted
21	J16		3-pin header	2.54mm pitch, 5.8mm hight	XJ8B-0311	Omron	1	-
22	LED1,LED2,LED3		LED	1608,Green	SML-D12P8WT86	ROHM	3	-
23		OSC1	Crystal oscillator	20MHz	CSTNE20M0V53x	MURATA	0	Unmounted
24		OSC2	Crystal oscillator	20MHz	CSTLS20M0X51x	MURATA	0	Unmounted
25	OSC3		Crystal oscillator	32.768kHz	SSP-T7-FL 3.7pF	SII	1	-
26	PMOD1,PMOD2		Connector	2x6pin,2.54mm pitch,DIP	PPTC062LJBN-RC	Sullins Connector Solutions	2	-
27	R1,R12,R14,R16		Resistor	1005,10K,1/16W,1%	RK73H1ETTP1002F	KOA	4	-
28	R2,R3,R4		Resistor	1005,680,1/16W,1%	RK73H1ETTP6800F	KOA	3	-
29	R5,R6		Resistor	1005,27,1/16W,1%	RK73H1ETTP27R0F	KOA	2	-
30	R7		Resistor	1005,2K,1/16W,1%	RK73H1ETTP2001F	KOA	1	-
31	R8,R9,R10,R13		Resistor	1005,1K,1/16W,1%	RC-02W1001FT	Fenghua	4	-
32	R11		Resistor	1005,0	RK73Z1ETTP	KOA	1	-
33	R15		Resistor	1005,100K,1/16W,1%	AF0402FR-07100KL	YAGEO	1	-
34	SW,RST		Switch	tactile,12V,0.05A	SKQMBBE010	ALPS	2	-
35		TP1,TP3	Test pin	-	LC-22-G-RED	MAC8	0	Unmounted
36		TP2	Test pin	-	LC-22-G-BLACK	MAC8	0	Unmounted
37	U1		MCU	64pin, LQFP	R7F101GLG2DFB	RENESAS	1	-
38	U2		IC	USB to serial UART interface	FT232RQ-REEL	FTDI	1	-
39	U3		Logic IC	Single, 3state buffer	74LVC1G126SE-7	DIODES	1	-
40	U4		LDO	3.3V,250mA	ISL9021AIRUNZ-T	RENESAS	1	-
41	(J16)		Jumper	2.54mm pitch,6.5 hight	XJ8A-0241	OMRON	1	J16 1-2pin Short
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REVISION HISTORY		RL78/G24 Fast Prototyping Board BOM List	
Rev	Date	Description	
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1.00	Apr 16, 2023	-	New