

No	Reference	Description	Specification	Parts Number	Manufacturer	Qty	Note
1	BT1	Coin cell battery holder	CR2032	BK-888	TAKACHI	1	
2	C1, C11, C22, C29, C30	Ceramic Capacitor	0.1uF/0603/16Vdc	GRM033R61C104KE18D	MURATA	5	
3	C2, C3	Ceramic Capacitor	-(1608)	-(1608)	-	0	Unmounted
4	C4, C5	Ceramic Capacitor	4pF/0603/25Vdc	GRM0335C1E4R0CA01D	MURATA	2	
5	C6, C7, C8, C23	Ceramic Capacitor	470nF/1608/16Vdc/X7R	GRM188R71C474KA88D	MURATA	4	
6	C24, C25, C26, C27, C28, C31	Ceramic Capacitor	470nF/1005/50Vdc	GRM155R61H474KE11D	MURATA	6	
7	C9, C10, C12, C13	Ceramic Capacitor	33nF/0603/16Vdc	GRM033R61C333KE84D	MURATA	4	
8	C14, C15, C16, C17, C18, C19, C20, C21	Ceramic Capacitor	15nF/0603/16Vdc	GRM033R61C153KE84D	MURATA	8	
9	C32, C33, C34, C35	Ceramic Capacitor	1uF/1005/16Vdc	GRM155C81C105KE11D	MURATA	4	
10	D1, D3	Schottky Diode	3-pin	BAT54, 215	NXP	2	
11	D2	Schottky Diode	2-pin	RBR1LAM40A	ROHM	1	
12	D4	Schottky Diode	3-pin	RB491DT146	ROHM	1	
13	J7, J9	2-pin Jumper (PTH)	1x2poles 2.54mm	FFC-2AMEP1	HTK	0	Unmounted
14	LED1, LED2, LED3	LED	Green, 1608	SML-D12P8WT86	ROHM	3	
15	R20	Resistor	10kΩ, 1005, 1/10W	RK73H1ETTP1002F	KOA	1	
16	R13, R14, R15, R16, R23, R24, R25, R26	Resistor	10kΩ, 1005, 1/10W	RK73H1ETTP1002F	KOA	0	Unmounted
17	R17, R18, R19	Resistor	680Ω, 1005, 1/10W	RK73H1ETTP6800F	KOA	3	
18	R27	Resistor	0Ω, 1005	RK73Z1ETTP	KOA	0	Unmounted
19	R12	Resistor	0Ω, 1608	RK73Z1JTDD	KOA	1	
20	J1, J3	6 Pin Female Socket	Female-connector, 1x6poles	PPPC081LFBN-RC	SULLINS CONNECTOR	2	
21	J2	8 Pin Female Socket	Female-connector, 1x8poles	PPPC061LFBN-RC	SULLINS CONNECTOR	1	
22	J4	10 Pin Female Socket	Female-connector, 1x10poles	PPPC101LFBN-RC	SULLINS CONNECTOR	1	
23	J5, J6	50-pin Header (PTH)	2x25poles 2.54mm	FFC-50BMEP1	HTK	0	Unmounted
24	J8	3-pin Jumper (PTH)	1x3poles 2.54mm	FFC-3AMEP1	HTK	0	Unmounted
25	L1, L2	Inductor	1608	BLM18PG600SN1D	MURATA	2	
26	OSC1	Crystal oscillator	12MHz±0.5%	CSTNE12MOG520000	MURATA	0	Unmounted
27	OSC2	Crystal oscillator	32.768kHz±20×10 ⁻⁶ f_tol	SSP-T7-FL 3.7pF	SII	1	
28	PMOD1, PMOD2	Angle type PMOD connector	Female-connector, 2x6poles	SMH-106-02-T-D	SAMTEC	2	
29	R1, R2, R3, R4, R5, R7, R8, R9, R10	Resistor	10Ω, 1005, 1/10W	RK73H1ETTP10R0F	KOA	9	
30	R6	Resistor	100Ω, 1005, 1/10W	RK73H1ETTP1000F	KOA	1	
31	R11, R21, R28, R29	Resistor	1KΩ, 1005, 1/10W	RK73H1ETTP1001F	KOA	4	
32	R22	Resistor	470Ω, 1005, 1/10W	RK73H1ETTP4700F	KOA	1	
33	SW1, SW2	Switch Tacticle	-	SKQMBBE010	Alpsalpine	2	
34	SW3	Switch Select	-	CAS-220TA1	Nidec	1	
35	TP1, TP2	Terminal	-	LC-22-G-BLACK	MAC8	0	Unmounted
36	TP3, TP4	Terminal	-	LC-22-G-RED	MAC8	0	Unmounted
37	U1	MCU	RL78/I1C(100-pin, ROM:512KB, RAM:32KB)	R5F10NPLDFB	RENESAS	1	
38	U2	RR10 Operational Amplifier	1.8V to 5.5V, Single, rail-to-rail	ISL28113FEZ	RENESAS	1	
39	U3	Low Dropout Linear Regulator	Fixed 1 Output 3.3V 300mA	ISL9005AIRNZ-T	RENESAS	1	
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REVISION HISTORY		RL78/I1C(512KB) Fast Prototyping Board BOM List	
Rev	Date	Description	
		Page	Summary
1.00	Apr 1, 2021	-	First Edition issued