

No	Reference	Description	Specification	Parts Number	Manufacturer	Qty	Note
1	U1	MCU	RL78/G14(80-pin, ROM:512KB, RAM:48KB)	R5F104MLAFB	Renesas	1	-
2	U2	Coin cell battery holder	2032	BK-888(Recommended example)	MPD	0	Unmounted
3	U3	Switching Regulator 3.3V	Input 0.6V~,Output 3.3V Fixed	ISL91111AEH33Z-T(Recommended example)	Renesas	0	Unmounted
4	PMOD1,PMOD2	Angle type PMOD connector	Female-connector,2x6poles	SMH-106-02-T-D	Samtec	2	-
5	J5	6 Pin Female Socket	Female-connector,1x6poles	FH2543-06GT10	Mtconn	1	-
6	J6,J7	8 Pin Female Socket	Female-connector,1x8poles	FH2543-08GT10	Mtconn	2	-
7	J8	10 Pin Female Socket	Female-connector,1x10poles	FH2543-10GT10	Mtconn	1	-
8	SW_USR,SW_RST	Switch Tacticle	-	KSC221GLFS	C&K	2	-
9	X1	Crystal oscillator	32.768kHz,±20ppm	F2S-32768-070-D70-R-X	RIVER ELETEC	1	-
10	X2	Crystal oscillator	20MHz,±0.5%	CSTLS20M0X51-B0(Example of mounting 20MHz)	Murata	0	Unmounted
11	X3	Crystal oscillator	20MHz,±0.5%	CSTCE20M0V51-R0(Example of mounting 20MHz)	Murata	0	Unmounted
12	LED_PWR,LED0,LED1	LED	Green,1608	SML-D12M8WT86	ROHM	3	-
13	C1	Tantalum Capacitor	10uF,3528,16V	TAJB106K016RNJ	AVX	1	-
14	C2	Ceramic Capacitor	12pF,0603,25V	GRM0335C1E120J	Murata	1	-
15	C3	Ceramic Capacitor	10pF,0603,25V	GRM0335C1E100J	Murata	1	-
16	C4,C5	Ceramic Capacitor	1005	N/A	N/A	0	Unmounted
17	C6	Ceramic Capacitor	0.47uF,0603,6.3V	GRM033R60J474K	Murata	1	-
18	C7,C8	Ceramic Capacitor	0.1uF,0603,16V	GRM033C71C104K	Murata	2	-
19	C9,C12	Ceramic Capacitor	4.7uF,1005,10V	N/A	N/A	0	Unmounted
20	D1	Diode	Vr=50V,DO-214BA ,Io=1A	GF1A-E3/67A	Vishay	1	-
21	J1,J2	40-pin Header(PTH)	40poles 2.54mm	TSW-120-15-G-D(Recommended example)	Samtec	0	Unmounted
22	J3	2-pin Jumper(PTH)	-	FFC-2AMEP1(Recommended example)	HTK	0	Unmounted
23	J4	3-pin Jumper(PTH)	-	FFC-3AMEP1(Recommended example)	HTK	0	Unmounted
24	R1,R4,R6,R7	Resistor	0Ω,1608	RK73Z1JTTD(Recommended example)	KOA	0	Unmounted
26	R2,R3,R5,R8	Resistor	0Ω,1005	RK73Z1ETTP	KOA	4	-
26	R9,R11,R12,R13,R15	Resistor	1kΩ,1005,1/10W	RK73B1ETTP102J	KOA	5	-
27	R10,R14	Resistor	10kΩ,1005,1/10W	RK73B1ETTP103J	KOA	2	-
28	L1	Inductor	4.7uF,1.2A	LQH32PH4R7NACL(Recommended example)	Murata	0	Unmounted
29	R16,R17,R18,R19,R20,R21,R22,R23 R24,R25,R26,R27,R28,R29,R30,R31	Resistor	200Ω,1005,1/10W	RK73B1ETTP201J	KOA	16	-
30	EU2	Low Dropout Linear Regulator	Fixed 1 Output 3.3V 300mA	ISL9005AIRNZ-T	Renesas	1	-
31	EC4	Ceramic Capacitor	1uF,0603,6.3V	GRM033C80J105M	Murata	1	-
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REVISION HISTORY	RL78/G14 Fast Prototyping Board
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Rev	Date	Description	
		Page	Summary
1.00	Sep 5, 2019	-	First Edition issued