

No.	Reference	Description	Specification	Parts Number	Manufacturer	Qty	Note
1	U1	MCU	RX23W module (83LGA, Non-TSIP)	R5F523W8CDLN	Renesas	1	-
2	U2	USB SERIAL BASIC UART	-	FT234XD	FTDI	1	-
3	X1	Crystal oscillator	8MHz, SMD, +/-100ppm	CX5032GA08000D0PRT03	KYOCERA	0	Unmounted
4	X2	Ceramic Resonators	8MHz,TH,+/-0.5%	CSTLS8M00G53-A0	Murata	0	Unmounted
5	X3	Crystal oscillator	32.768kHz, SMD, +/-20ppm	TFX-02S-32.768KHZ-J31936	RIVER ELETEC	0	Unmounted
6	C1, C3	Tantalum Capacitor	10uF, 3528m, 16V	TAJB 106 K 016	AVX	2	-
7	C5, C6	Ceramic Capacitor	47pF, 0603m, 25V, +/-5%	GRM0335C1E470J	Murata	2	-
8	C2, C12, C13, C14	Ceramic Capacitor	0.1uF, 0603m, 16V, +/-10%	GRM033C71C104K	Murata	4	-
9	C7	Ceramic Capacitor	1uF, 0603m, 10V, ±20%	GRM033R61A105M	Murata	1	-
10	C4	Ceramic Capacitor	4.7uF, 0603m, 6.3V, +/-20%	GRM035R60J475M	Murata	1	-
11	C8, C9, C10, C11	Ceramic Capacitor	1005m	GRM155	Murata	0	Unmounted
12	D1	Diode (Power)	Vr=50V, DO-214BA, Io=1A	GF1A-E3	Vishay	1	-
13	D2	Diode	Vr=20V, SOT-346, Io=1A	RB491D	ROHM	1	-
14	GND1, GND2, GND3	Test Pin (GND)	TH	LC-22-G (Black)	MAC-8	0	Unmounted
15	CN1	USB Connector	Micro USB	ZX62-B-5PA(11)	Hirose	1	-
16	CN3, CN4	16-pin x 2-row Connector	16-pin x 2-row Straight TH	FFC-16BMEP1	HTK	0	Unmounted
17	CN2	Angle type PMOD connector	6-pin x 2, SMD	SMH-106-02-T-D	Samtec	1	-
18	J1, JP1	2-pin Jumper (PTH)	2-pin TH	FFC-2AMEP1	HTK	0	Unmounted
19	J2	6-pin Female Socket (PTH)	6-pin TH	PPPC061LFBN-RC	Sullins Connector Solutions	0	Unmounted
20	J3, J4	8-pin Female Socket (PTH)	8-pin TH	PPPC081LFBN-RC	Sullins Connector Solutions	0	Unmounted
21	J5	10-pin Female Socket (PTH)	10-pin TH	PPPC101LFBN-RC	Sullins Connector Solutions	0	Unmounted
22	LED0, LED1, LED2	LED (Green)	Green, 1608m, 25mcd	SML-D12M8WT86	ROHM	3	-
23	RES1, SW1	Tactile Switch	Tactile Switch, SMD	PTS645SM43SMTR92 LFS	C&K	2	-
24	R4, R5, R9, R11, R14, R15, R17, R19, R38	Resistor	0Ω, 1608m, 1/10W	MCR03EZPJ000	ROHM	9	-
25	R6, R8, R12, R16, R18, R20, R21	Resistor	0Ω, 1608m, 1/10W	MCR03EZPJ000	ROHM	0	Unmounted
26	R36, R37	Resistor	27, 1005m, 1/16W	MCR01MZPJ270	ROHM	2	-
27	R24, R25, R26, R27, R28, R29, R30, R31, R39, R40, R41, R42	Resistor	200Ω, 1005m, 1/16W	MCR01MZPJ201	ROHM	12	-
28	R2, R32, R33	Resistor	1kΩ, 1005m, 1/16W	MCR01MZPJ102	ROHM	3	-
29	R1, R34, R35	Resistor	4.7kΩ, 1005m, 1/16W	MCR01MZPJ472	ROHM	3	-
30	R3, R13, R43, R44	Resistor	10kΩ, 1005m, 1/16W	MCR01MZPJ103	ROHM	4	-
31	R7, R10, R22, R23	Resistor	1608m	MCR03 Series	ROHM	0	Unmounted
32	EU2	Low Dropout linearregulator	Fixed 1 Output 3.3V 300mA 8-DFN	ISL9005AIRNZ-T	Renesas	1	-
33	EC4	Ceramic Capacitor	1uF, 0603m, 10V, +/-20%	GRM033R61A105M	Murata	4	-

REVISION HISTORY	Target Board for RX23W module BOM List
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Rev	Date	Description	
		Page	Summary
1.00	Jan 15, 2021	-	First Edition issued