

Bill of Material M5-RTC-Module

v.1.0

20.11.2020

Quantity	Comment	Designator	PartMandatory	Footprint	Description	Manufacturer	Manufacturer number
2	10n	C1, C3	Yes	CAP0603_M	10nF, at least 6.3V SMD ceramic capacitor, 0603 package	-	-
3	100n	C2, C4, C5	Yes	CAP0603_M	100nF, at least 6.3V SMD ceramic capacitor, 0603 package	-	-
1	1u	C6	Yes	CAP0603_M	1µF, at least 6.3V SMD ceramic capacitor, 0603 package	-	-
1	RV-3028-C7	IC1	Yes	RV-3028-C7	Real-Time Clock Module	Micro Chrystal	RV-3028-C7 32.768kHz 1ppm TA QC
2	M24256	IC2, IC3	No	SO8N	256-Kbit I2C-compatible EEPROM	STMicroelectronics	M24256-DFMN6TP
1	MCP1525/41	IC4	No	SOT23_3L_M	4.096V precision voltage reference	Microchip	MCP1541T-I/TT
1	MCP3021	IC5	No	SOT23_5L_M	10-bit ADC	Microchip	MCP3021A0T-E/OT
1	CR2032-Bat-Holder	J1	Yes	CR2032-BAT-HOLDER	SMD battery holder for CR2032 coin cell	Linx	BAT-HL-001
1	Pin Header for the M5-Stack	J2	Yes	2x15 Pin Header low profile	BUS-Socket is a pair of M-BUS socket, female and male. 2X15 pins.	M5Stack	A001
4	10k	R1, R2, R3, R4	Yes	RES0603_M	10kΩ chip resistor, 0603 package	-	-
1	470	R5	Yes	RES0603_M	470Ω chip resistor, 0603 package	-	-

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