

Word Clock BOM

Part	Value	Description	Package
IC1	ATMEGA32-A	MICROCONTROLLER	TQFP44
IC2	HT7333	Low Dropout voltage regulator 3.3v	SOT-89
IC3	DS3231	Real Time Clock	SOIC-16W
IC4	MCP73831	MCP73831T Li-Ion, Li-Po Controller	SOT23-5
R1, R10	10k	Resistor	0805
R2, R7	330	Resistor	0805
R3	2k	Resistor	0805
R4	100k	Resistor	0805
R5	330k	Resistor	0805
R6	390	Resistor	0805
R8, R9	4,7k	Resistor	0805
RN1, RN2	390	Array Chip Resistor	0603-ARC
C1, C2, C4, C7, C8	0.1u	Capacitor	0805
C3	47u	Tantalum Capacitor	D / 7343
C5, C6	4.7u	Capacitor	0805
LED1	Green	LED	1206
LED2	Red	LED	1206
LED3	1588ABEG-5_8X8-LED_MATRIX	8x8 dot matrix display, green and red	1588ABEG-5
J1	LiPo battery connector	0.1 inch spaced header connections	MOLEX-1X2
J2, J3, J4, J6, J7, J8		0.1 inch spaced header connections	1X02
J5, J9		0.1 inch spaced header connection	1X01
J10	USB MICRO B	USB connector SMD package	USB-MICRO B SMD
JP1	6 pin AVR ICSP right angle connector	0.1 inch spaced header connections	2X03 /90°
S1	Momentary button 6.mm THT	Momentary Switch (Pushbutton) - SPST	6.0MM