

Bill of Materials for ZRC512, Rev 0

Qty	References	Value	Source
1	U1	Altera EPM7128SLC84	UTSource
1	U1a	PLCC 84 socket soldertail through hole	Jameco 2289799
1	U2	AS6C4008-55PCN	Mouser 913-AS6C4008-55PCN
1	U3	Z84C0020VEG	UTSource
1	U3a	PLCC 44 socket soldertail through hole	Jameco 71618
1	U4	22MHz ½ can oscillator	
1	U5	MCP130-460DI/TO	Jameco 1284957
1	U6	DS1302 RTC	Jameco 176778
5	R1,R2,R4,R8,R9	4.7K ohm 1/8W	
1	R5	2.4K ohm 1/8W	
1	R3	100 ohm 1/8W	
1	C1	10uF filter cap	
1	C2	100pF ceramic cap	
5	C3,C4,C5,C6,C7	0.1uF bypass cap	
1	P1	40-pin right angle hdr	eBay
1	P2	1x6 Header, right angle, female	eBay
1	P3	2x5 straight header, male	
1	BT1	CR1220 3V battery	

1	J1	Power Jack 2.1mm x5.5mm	Jameco 101178
1	S1	Push button SPST	Jameco 149948
1	Y1	32.768KHz 6fP watch crystal	
1	D1	WS2812D-F5	SparkFun