

Resistors (Qty:)	Component IDs	Value	Packaging	Digi-Key SKU	Unit Price (USD)	Subtotal	Notes
5	R2, R3, R4, R9, R13	10 k	0805 SMD	311-10KARCT-ND	0.0170	0.0850	
4	R5, R10, R21, R23	100 k 1%	0805 SMD	311-100KCRCT-ND	0.0200	0.0800	
2	R6, R12	2.2 k 1%	0805 SMD	311-2.20KCRCT-ND	0.0200	0.0400	
3	R7, R8, R22	1 k	0805 SMD	311-1.0KARCT-ND	0.0170	0.0510	
2	R11, R19	13 k 1%	0805 SMD	RMCF0805FT13K0CT-ND	0.0400	0.0800	
1	R15	1 M	0805 SMD	311-1.0MARCT-ND	0.0170	0.0170	
1	R1	CdS LDR	Small through-hole LDR	PDV-P8103-ND	0.8000	0.8000	
			Large ceramic through-hole				
2	R14a, R14b	220R 5W		UB5C-220-ND	0.8400	1.6800	
3	R16, R17, R18	680k 1%	1206 SMD	311-680KFRCT-ND	0.0320	0.0960	
1	R20	5 milliohms 5W	Through-hole	989-1096-ND	1.0000	1.0000	
Capacitors							
1	C13	3.3 uF 250VAC	Large through-hole	495-4138-ND	2.9300	2.9300	
8	C1-C5, C10, C11, C12	100 nF, 50V	0805 SMD ceramic	311-1361-1-ND	0.0310	0.2480	
1	C6	470 uF, 16V	3.5 mm pitch, 8mm dia.	565-1678-ND	0.4100	0.4100	
1	C7	22 uF, 50V	1206 SMD ceramic	490-1824-1-ND	0.3600	0.3600	
2	C8, C9	27 pF, 50V	0805 SMD ceramic	311-1104-1-ND	0.0620	0.1240	
Semiconductors							
1	D1	CGRM4004-G	SOD-123	641-1329-1-ND	0.4100	0.4100	
1	D2	PMLL4148	Mini-MELF	568-1749-1-ND	0.1200	0.1200	
2	ZD1, ZD3	3.6 V Zener diode	SOD-323	568-8044-1-ND	0.2700	0.5400	
1	ZD2	13 V Zener diode	DO-214AC	3SMAJ5928B-TPMSCT-ND	0.5800	0.5800	
1	LED1	Red LED (Power)	0805 SMD	475-1278-1-ND	0.1100	0.1100	
1	LED2	Green LED (Relay)	0805 SMD	754-1131-1-ND	0.1600	0.1600	
1	LED3	Yellow LED (Status)	0805 SMD	754-1135-1-ND	0.1600	0.1600	
2	Q1, Q3	2N7002 MOSFET	SOT23	568-5818-1-ND	0.1400	0.2800	
1	Q2	8 MHz crystal	5mm x 3mm SMD	535-9720-1-ND	1.4300	1.4300	
1	IC2	OPA340NA	SOT-23 5-pin	OPA340NACT-ND	2.9300	2.9300	
1	IC1	MCP9701	TO-92	MCP9701A-E/TO-ND	0.3400	0.3400	
1	IC4	LD1117S33	SOT-223	497-1241-1-ND	0.4800	0.4800	
1	IC5	ATmega328	TQFP32	ATMEGA328-AU-ND	3.8300	3.8300	
1	IC1	XBee Module	N/A				
Miscellaneous							
1	RY1	Relay		Z223-ND	3.1800	3.1800	
2	N/A	2.0 mm 10-pin female headers		S5751-10-ND	1.1100	2.2200	
2	J2, J4	6-pin 0.1" male pin header		3M9451-ND	0.3300	0.6600	
					Total:	25.4310	(Excludes XBee and and PCBs.) And shipping.