

Batch Size: 1

Qty	Designator	Value	Manufacturer	Manufacturer's Part #	Package	Vendor Part #	Price Each	Price Per Board	Cost/batch	Alternate
SURFACE MOUNT COMPONENTS										
2	C1, C3	1uF	Samsung	CL21B105KBFNNNE	C0805	C28323	\$ 0.0103	\$ 0.021	\$ 0.0206	
1	C2	.1uF	YAGEO	CC0805KRX7R9BB104	C0805	C49678	\$ 0.0053	\$ 0.005	\$ 0.0053	
1	C4	10uF	AVX	TAJA106K016RNJ	A/3216-18	C7171	\$ 0.1580	\$ 0.158	\$ 0.1580	
1	D1	SS34	MDD	SS34	SMA	C8678	\$ 0.0227	\$ 0.023	\$ 0.0227	
1	F1	1A/13.2V	TechFuse	nSMD100-13.2V	1206	C70081	\$ 0.0630	\$ 0.063	\$ 0.0630	
5	LED1, LED2, LED3, LED4, I	LED Red	Foshan NationSt	NCD0805R1	LED_0805	C84256	\$ 0.0190	\$ 0.095	\$ 0.0950	
1	Q1	MOSFET N CH	Alpha & Omega	AO3400A	SOT23	C20917	\$ 0.0041	\$ 0.004	\$ 0.0041	
1	R1, R9, R11	10K Resistor	Uniroyal Elec	0805W8F1002T5E	R0805	C17414	\$ 0.0016	\$ 0.002	\$ 0.0016	
1	R2	18K Resistor	Uniroyal Elec	0805W8F1802T5E	R0805	C17506	\$ 0.0020	\$ 0.002	\$ 0.0020	
1	R3	4.7K Resistor	Uniroyal Elec	0805W8F4701T5E	R0805	C17673	\$ 0.0020	\$ 0.002	\$ 0.0020	
4	R4, R5, R6, R7	330 Resistor	Uniroyal Elec	0805W8F3300T5E	R0805	C17630	\$ 0.0020	\$ 0.008	\$ 0.0080	
1	R8	47R Resistor	Uniroyal Elec	0805W8F470JT5E	R0805	C17714	\$ 0.0028	\$ 0.003	\$ 0.0028	
1	R10	1K2 Resistor	Uniroyal Elec	0805W8F1201T5E	R0805	C17379	\$ 0.0020	\$ 0.002	\$ 0.0020	
1	U1	5V Reg	TI	LP2985-50DBVR	SOT25	C74511	\$ 0.1891	\$ 0.189	\$ 0.1891	
1	U2	ATTINY Microcontroller	Atmel	ATTINY1604-SSNR	SOIC-14	C614864	\$ 0.6400	\$ 0.640	\$ 0.6400	ATTINY1604-SSNRTR-ND
THRU HOLE COMPONENTS										
2	H1, H4	2.1 x 5.5mm DC Jack	CUI	PJ-066A		CP-066A-ND	\$ 1.9368	\$ 3.874	\$ 3.8736	
1	LP1	Quad Lightpipe	DIALIGHT	5151020F		350-2166-ND	\$ 1.7300	\$ 1.730	\$ 1.7300	
2	BATT+, BATT-	Battery Tabs	TE Connectivity	1217754-1		A112005-ND	\$ 0.2500	\$ 0.500	\$ 0.5000	
1	POT1	Pot w/switch	TT Electronics	P091S-FC20BR10K		858-P091SFC20BR10K	\$ 1.2960	\$ 1.296	\$ 1.2960	
DO NOT POPULATE/OPTIONAL										
1	H3	DO NOT POPULATE	Expansion Port							
1	UPDI	DO NOT POPULATE	UPDI Programming Port							
							JLC Component Cost	\$ 0.576	\$ 0.576	
							Digikey Component Cost	\$ 6.744	\$ 6.744	
							MOUSER Component Cost	\$ 1.296	\$ 1.296	
							JLC PCB Cost		1.5	
								\$ 10.116		
								\$ 1.15	\$ 1.15	
							JLCPCB Component Cost	\$ 0.576	\$ 0.576	