

Part	Est. Cost (Last time I checked)	Quantity	JameCo Part No
Chips			
7805 Voltage regulator	\$0.29	1	51262
74HCT00 quad 2-input NAND gate	0.25	1	44871
74HCT08 quad 2-input AND gate (x2)	0.58	2	44901
7414 hex Schmitt Trigger Inverter (NOT gate)	0.99	1	49437
74HC32 quad 2-input OR gate	0.25	1	45794
74HCT74 dual D positive edge triggered flip-flop	0.45	1	45137
74HCT86 quad 2-input XOR gate	0.49	1	45145
74153 dual 4-to-1 Multiplexor	\$0.99	1	49550
Total chips	\$4.29		
Misc. Parts			
Wire, black	\$3.95	1	2152876
Breadboard	\$7.95	1	2157706
9V battery snap	\$0.39	1	11280
9V battery	\$1.25	1	2120153
toggle switches	\$1.65	3	26315
red LED	\$1.20	1	333973
green LED	\$1.50	1	34761
1k resister	\$0.10	1	690865
0.1µf capacitor	\$1.30	1	151116
0.22µf capacitor	\$0.39	1	33507
mini push button switch (tactile button switch)	\$0.35	1	119011
Total	\$20.03		
Optional Chips			
74HC02 quad 2-input NOR gate	0.29	1	45188
74HCT04 hex Inverter (OR gate)	0.25	1	44898
74HC75 4 bit bi-stable latch	0.99	1	46156
7483 4 bit adder	\$2.95	1	50631
74HCT139 dual 2-line to 4-line decoder	\$1.19	1	49584
Total	\$5.67		
Tools			
Wire strippers	\$5.95	1	127862
Needle nose pliers	\$5.95	1	42104