

Description	Part #	Supplier
Passive Components		
Resistor Assortment: 2 each, 10, 22, 33, 47, 68 x 10 ⁰ , 1, 2, 3, 4, 5 (more resistors available in the stockroom)		Jameco
10k Potentiometer		Jameco
10 uF Electrolytic Cap		Jameco
1 uF Electrolytic Cap		Jameco
0.1 uF Ceramic Cap		Jameco
0.01 uF Ceramic Cap (more capacitors available in the stockroom)		Jameco
10 uH Inductor		Jameco
100 uH Inductor		Jameco
1000 uH Inductor		Jameco
Semiconductors		
Diode	1N4001	Jameco
Red LED		Jameco
Green LED		Jameco
5.1V 1W Zener Diode	1N4733A	Jameco
NPN Transistor	2N3904	Jameco
Integrated Circuits		
555 Timer	TS555CN	Jameco
Dual-Supply Op-Amp	TL081	Jameco
Dual-Supply Quad Op-Amp	TL084	Digikey
Single-supply rail-to-rail dual op-amp	MCP6002	Jameco
Sensors & Actuators		
ECG Electrodes		Healthcare4+
RIP Belt		MVAPMED
Buzzer		Jameco
H-Bridge	L293D	Jameco
Phototransistor	LPT2023	Jameco
Utility		
Breadboard (double w/ plugs)		Jameco
Wire Strippers		Jameco
22-gauge solid wire		Jameco
Tool box for components	Stanley STST13011	Amazon
Chip puller		Jameco
Total		

Supplier Part	Unit Cost	Quantity	Total Cost
	0.04	60	2.4
182837	0.75	1	0.75
29891	0.12	2	0.24
330431	0.09	2	0.18
151116	0.13	2	0.26
15229	0.09	2	0.18
372171	0.19	1	0.19
208194	0.19	1	0.19
208240	0.35	1	0.35
35975	0.05	4	0.2
333973	0.12	1	0.12
34761	0.15	1	0.15
36097	0.06	1	0.06
178597	0.1	2	0.2
126797	0.69	1	0.69
33232	0.35	1	0.35
296-1784-5-1	0.68	1	0.68
1285888	0.65	1	0.65
Home	19.88	0.0625	1.2425
819201-000	1.02857143	1	1.02857143
2128647	0.59	1	0.59
1341966	2.95	1	2.95
112176	0.39	1	0.39
20758	15.95	1	15.95
159291	7.95	1	7.95
36881	5.59	1	5.59
	13.96	1	13.96
16838	1.49	1	1.49
			58.9810714