

Shopping List for Getting Started With Electronics

This following list includes all the components necessary to build the circuits in the book [Getting Started With Electronics \(2nd edition\)](#).

With these components you can build a lot of different circuits. From simple circuits such as blinking LEDs, to more advanced stuff like music-playing gadgets and alarms. Together with the eBook "Getting Started With Electronics", it's the ultimate kit to get started building electronics.

Shopping list:

Qty.	Description	Jameco Part #
1	4" square ferrite speaker, 8 ohm	1954818
10	Transistor, 2N3904, NPN general purpose	38359
1	Piezo buzzer, 3400 Hz, 90 dB	335557
1	Photocell, 400mW, 350V _{PK} , 8Kohm	202454
1	1/4" sealed cermet potentiometer, 1/2W, 10Kohm	2179286
10	1/4 watt resistor, 1k ohm	690865
10	Ceramic disc capacitor, 0.01μF, 50V	15229
10	Ceramic disc capacitor, 0.1μF, 50V	151116
10	Radial capacitor, 10μF, 25V	94212
2	IC, LM555CN, DIP-8	27422
10	LED Uni-Color Green 565nm 2-Pin T-1 3/4	34761
10	Transistor, 2N3906, PNP general purpose	178618
1	Radial capacitor, 100μF, 63V	608032
1	Tactile push button switch, SPST, OFF-(ON)	153251
1	9V battery snaps with 6" 26AWG wires	109154
1	9V battery	151095
10	1/4 watt resistor, 100 ohm	690620
2	Radial capacitor, 2200μF, 6.3V	609342
1	400 point breadboard, 3.25" x 2.125"	2157693
1	Mini power relay, SPDT	2159197
2	3/8" square cermet potentiometer, 1/2W, 1M ohm	2161422
1	Single sided protoboard, 50x80mm	2191488
1	22AWG solid black wire, 25'	2152876
1	Radial capacitor, 1μF, 35VDC	545596
10	1/4 watt resistor, 330 ohm	661386
1	IC, CD4017BE, DIP-16, Decade counter	893611
10	1/2 watt resistor, 47k ohm	661917

Below, I have listed some tools that are very useful when building electronics.

Useful tools:

Description	Jameco Part #
Multimeter	645618
Soldering Iron (Make sure it fits your country's voltage)	224602
Solder	73576
Wire Cutter	35482
Solder Wick	41082
Solder Pump	19166