

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.

You can buy the components individually with the list below, or you can buy a kit with all the components here: [Jameco #2225115](#)

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