



# Spark Fun Kit Parts: Appearance & Job

**K**

Pushbuttons or switches connect two points in a circuit when you press them.

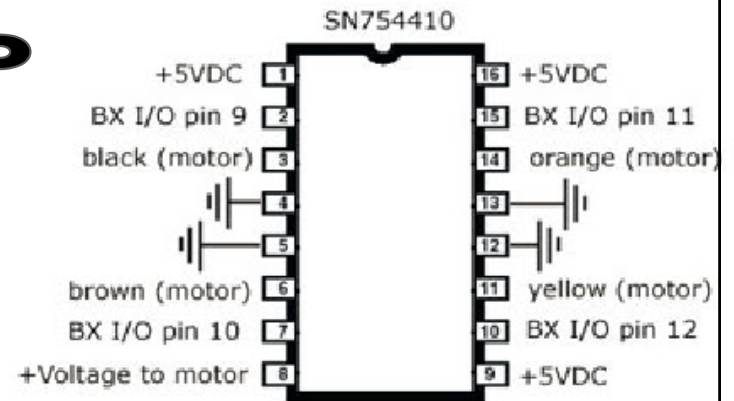


**N**

Simple 4 cell AA battery holder. The connector mates with the barrel jack on the [Arduino](#) allowing you to easily make your project battery powered.



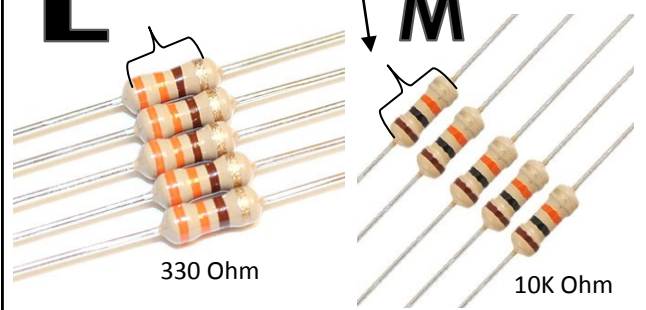
**P**



A **H bridge** is an electronic circuit that enables a voltage to be applied across a load in either direction. These circuits are often used in robotics and other applications to allow DC motors to run forwards and backwards.

**L**

Check Color Sequence



A **Resistor** reduces electrical currents. The **resistor's** ability to reduce the current is called resistance and is measured in units of **ohms** (symbol:  $\Omega$ ). (Analogy for water flow through pipes, the **resistor** is a thin pipe that reduces the water flow.)

**O**

A specific type of electrical motor that is designed to produce high torque while maintaining a low horsepower, or low speed, motor output.



Part	/Letter Corresponding to Picture
Pushbutton Switch	/K
330 Ohm Resistors	/L
10k Ohm Resistors	/M
Battery Holder	/N
Gear Motors	/O
H-Bridge	/P