

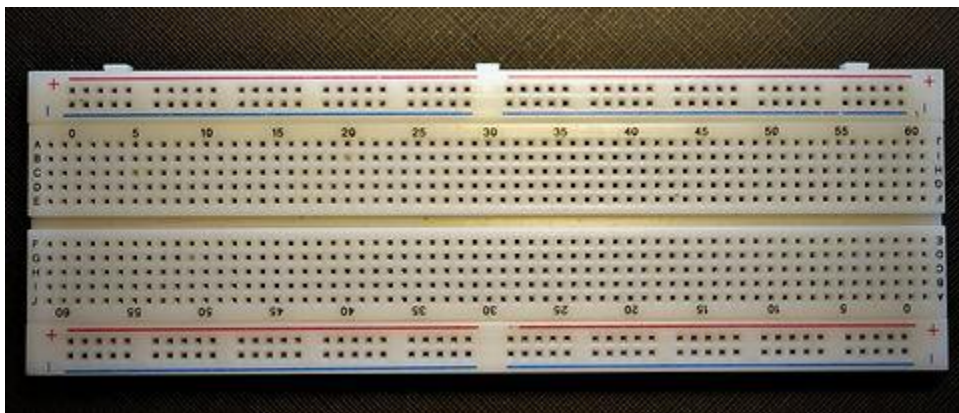
1.Buzzer:



2.Buzzer

The Buzzer is an audio signaling device, in this case when it detects an object, the buzzer gives a beep sound.

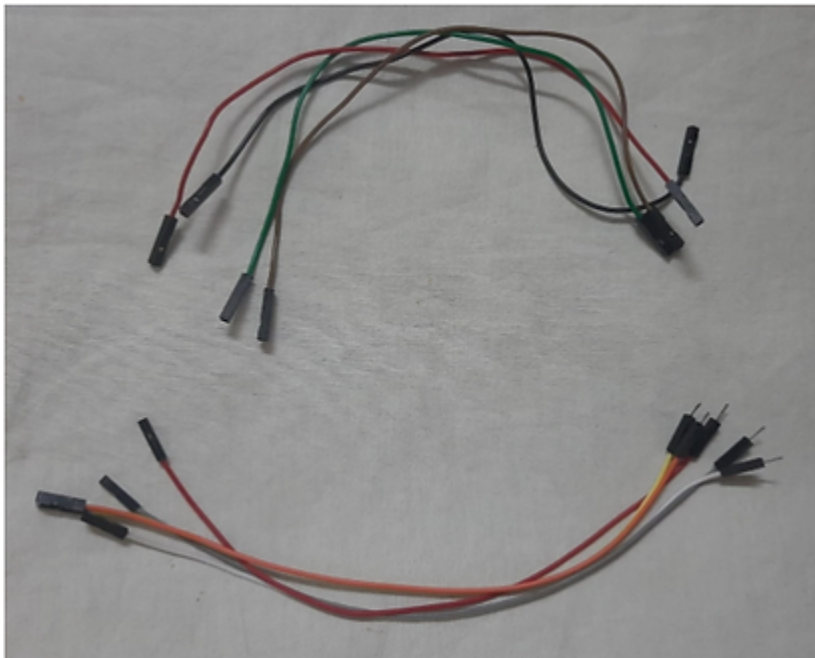
Breadboard:



Breadboard

A breadboard is a flat piece of wood that is provided with holes that allow users to build a circuit including the components and connections without the need for soldering due to which it is reusable and finds its best usage for the students who are new to build circuits. The holes in any horizontal line will be in series whereas the vertical holes remain at an equipotential state. There are different sizes of breadboards available in the market which include "full size", "half size" and, "mini size" breadboards.

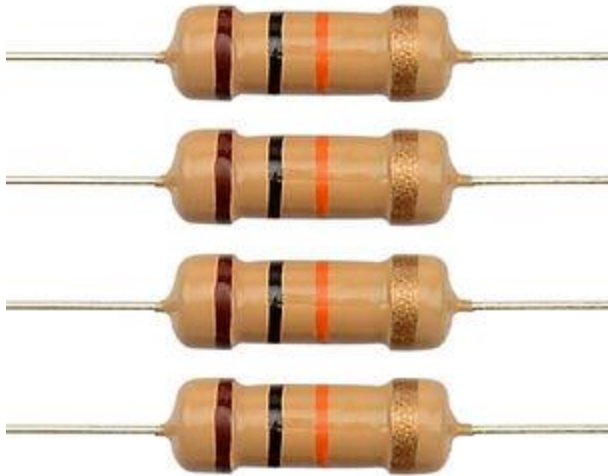
3.Connecting wires:



Connecting wires

Connecting wires are used to establish connections between different components in the circuit.

4.Resistors:



Resistor as the name signifies, opposes the flow of electrons. The Resistor is a passive element and has two terminals. They are basically used to monitor the current flow and also as voltage dividers. The resistor that we would use in this circuit is a 10 k-ohm resistor and the color code for this resistor is *Brown, Black, Orange & Gold*.

5.Pushbutton switch: Pushbutton switches are mechanical devices that make or break an electrical connection by the closing or opening electrical contacts or solid state circuitry when actuated by human or mechanical interaction.



Pushbutton switch