LESSON 10 Connecting a simple circuit

Watch video Lesson 10

Here we see pictures of 3 electronic components, i.e. the LED, the resistor, and the battery snap for the 9-volt battery.

We show all three components soldered together.

We could solder the circuit like this **but** we are going to show you how to build this and other circuits using a **solderless circuit board**.

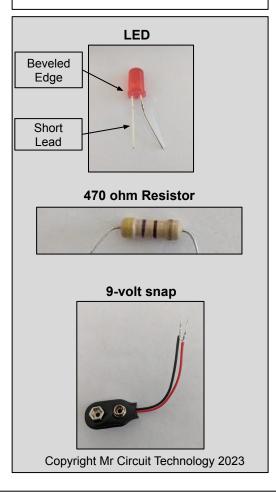
These techniques are used by technicians and engineers everyday to try out new circuits.



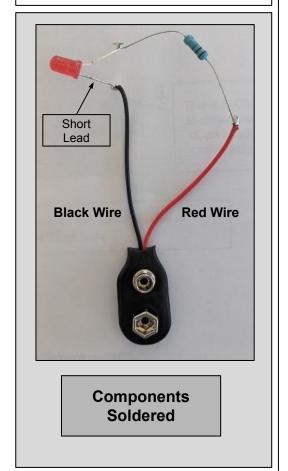


Practice Quiz

Pictures of components



Complete simple circuit connected with solder



MR CIRCUIT LAB #1201 - MULTIMETER FUNDAMENTALS "Ohm's Law and More!"

Answer these questions

Activity Page Lab 1201

Connecting a simple circuit with solder

10b

(1) In this lesson, what has been used to connect the components together?	(4) Is the 'beveled edge' on the same side of the LED as the 'short lead'?
(2) What are we going to use instead of soldering our circuit together?	(5) What color is the battery snap wire that is connected to the 'short lead' on the LED?
(3) What are the four colors on the resistor in this circuit which is 470 ohms at +/- 5%?	(6) True or False? An LED has polarity, which means it matters which side of the battery is connected to the LED.
(a) (b) (c) (d)	(7) True or False? If you connect the LED wrong, it will not light up because it has polarity.



Copyright Mr Circuit Technology 2023