

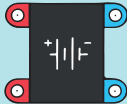
L170 LED BYPASS



1x LED



1x button



1x battery



2x



1x resistor 1kΩ



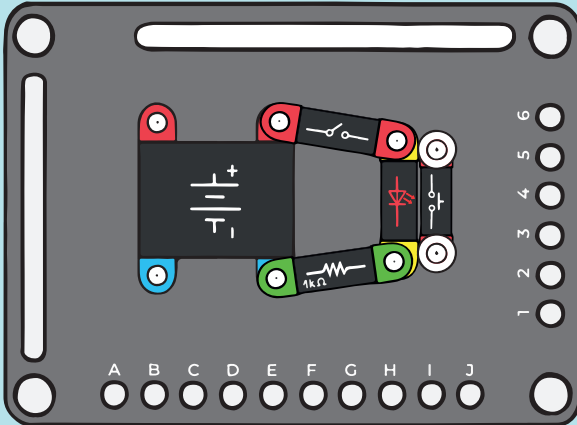
1x switch



2x

A button connected in parallel to the LED. When the button is not pressed, i.e. it is open, the LED light is on. If you press the button, you short-circuit the LED diode and it goes out. It stays off as long as the button is pressed and lights up again when the button is released. The ballast resistor not only protects the LED from excessive current, but also ensures that the button does not short-circuit the battery directly. The resistor thus limits the short-circuit current and protects the battery as well as the button from excessive current.

1.



2.

