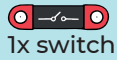
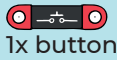


E10 CAPACITORS CONNECTED IN SERIES



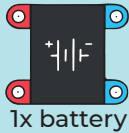
1x switch



1x button



1x resistor 1kΩ



1x battery



2x 100µF



1x LED



2x capacitor 100µF



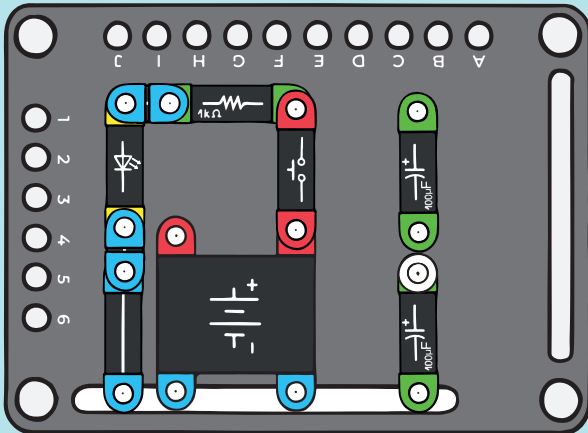
3x 100µF



1x 100µF

This build makes it possible to supply power to the LED diode from one capacitor (with the switch closed) or from two capacitors connected in series (with the switch open). Because the total capacitance of capacitors connected in series decreases, after charging the capacitor(s), the LED will light longer when the switch is closed. If the switch is open, the LED light duration will be about a half (two identical capacitors in series have a total capacitance of one half).

1.



2.

