



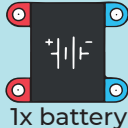

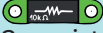

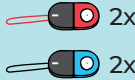

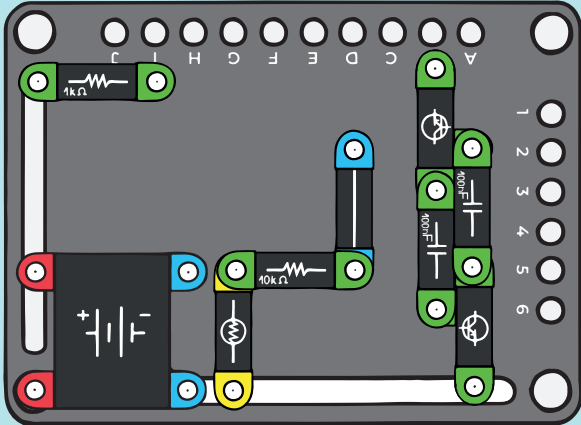


S80 BUZZING IN THE DARK

- 
 1x buzzer
- 
 2x transistor NPN
- 
 1x resistor 1kΩ
- 
 1x resistor 100Ω
- 
 1x battery
- 
 1x fotoresistor
- 
 2x resistor 10kΩ
- 
 2x capacitor 100nF
- 
 2x
- 
 1x

We can equip the astable flip-flop circuit not only with a photoresistor to change the pitch, as is the case in the L100 build, but with a suitable arrangement of components we can completely prevent the circuit from oscillating. If the photoresistor resistance falls below a certain limit due to illumination, the voltage at the transistor base will be so small that no current will flow to the transistor base. The transistor will be permanently closed, the circuit cannot oscillate further, and the tone will stop. In darkness, the resistance of the photoresistor increases, along with the voltage required for the current to flow to the base, and the circuit resumes the alternating opening of the transistors and thus oscillates. So the buzzer sounds in the dark.

1.



2.

