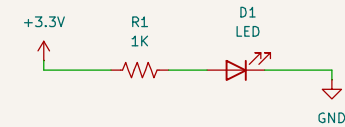
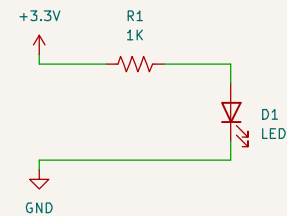
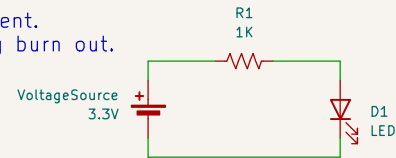
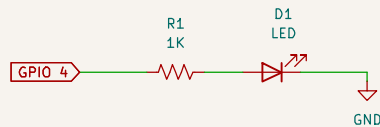


## LED w/ Current-Limiting Resistor

LED stay on as long as voltage is present.  
Resistor limits current throught LED, avoiding burn out.



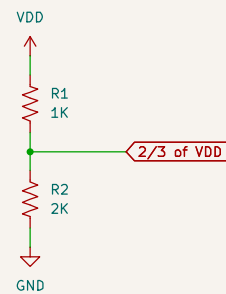
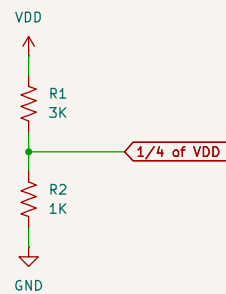
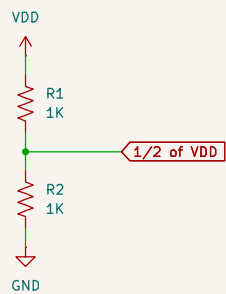
## MCU-controlled LED



Turn LED ON & OFF with digital control via Pin 4 of MCU.

## VOLTAGE DIVIDER

By adjusting the ratio between resistors R1 & R2,  
we can derive a new static voltage between Ground (0V) and VDD(+V).  
If R1 & R2 are equal, then output of voltage divider will 1/2 of VDD.



Sheet: /  
File: mtec2280.kicad\_sch

### Title: LEDs, Voltage Divider

Size: A4  
KiCad E.D.A. 9.0.0

Date:

Rev:  
Id: 1/1