

# 2x2 Current-Limited Blue SMT LED Module v1.0

## A Lego-compatible Crazy Circuits module

Attaching an LED directly to a microcontroller's output pins can damage the pins, so this module has the LED in series with a current-limiting resistor.

The blue LED has a forward voltage drop of 3.2V, so we recommend a resistor of 100 ohms and to use the module with a 5V power source.

### Bill of Materials

Ref	Qty	Description	Digikey PN
LED1	1	LED BLUE CLEAR SMT 1206	732-4989-1-ND
R1	1	RES 100 OHM 5% 1/4W 1206	311-100FRCT-ND

