2x2 Current-Limited Surface Mount LED Module v1.3
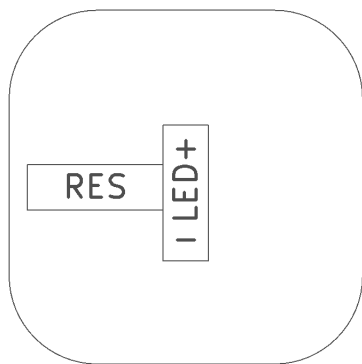## A Lego-compatible Crazy Circuits module.

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. At 100 ohms, it can be used with both 3V and 5V power sources and still emit a red light.

Bill of Materials

Ref	Qty	Description	Digikey PN
LED1	1	LED RED 2V 625NM 1206 SMT	732-4991-1-ND
R1	1	RES 100 OHM 5% 1/4W 1206	311-100ERCT-ND

Manufacturing Notes

This board must be v-scored. Do not panelize with support tabs or mousebites. ### Assembly Diagram

Board Previews