

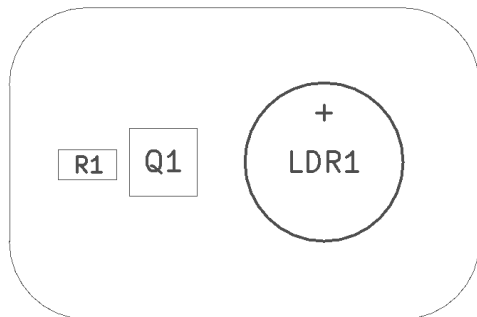
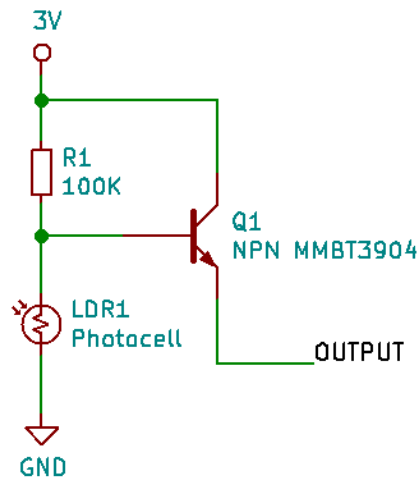
# 2x3 Dark Detector Module v1.0

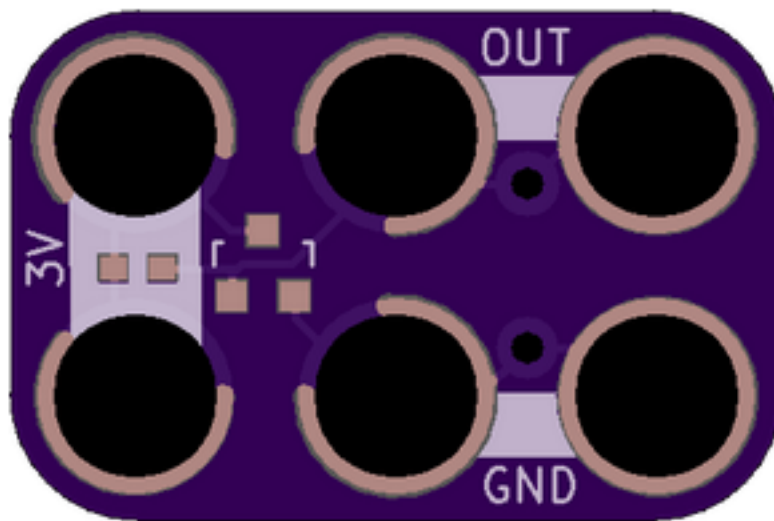
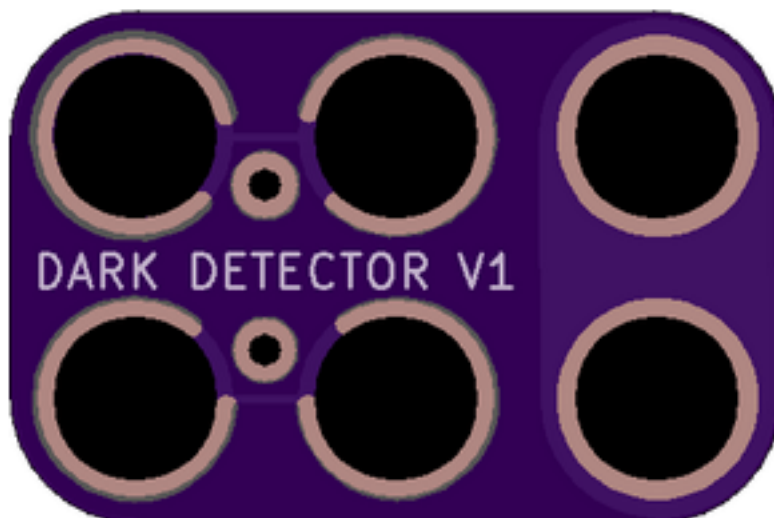
## A Lego-compatible Crazy Circuits module

This circuit applies 3V to turn a transistor on and off, based on whether the on-board photocell detects light. The output will go high if there is no light.

### Bill of Materials

Ref	Qty	Description	Digikey PN
LDR1	1	PHOTOCELL 16-33KOHM	PDV-P8103-ND
Q1	1	TRANS NPN 40V 0.2A SOT-23	MMBT3904TPMSCT-ND
R1	1	RES SMD 100K OHM 5% 1/10W 0603	311-100KGRCT-ND



**Top****Bottom**