

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	PHOTOTRANSISTOR FLAT BK MINI SMD	1080-1383-1-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

Manufacturing Notes

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



