Crazy Circuits Brown Dog Gadgets

## 2x3 Dark Detector Module v1.0 A Lego-compatible Crazy Circuits module

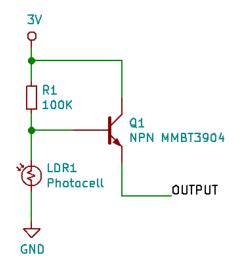
This circuit applies 3V to turn a transistor on and off, based on whether the on-board photocell detects light. The output will go high if there is no light.

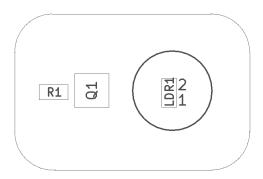
## Bill of Materials

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 $5\% \ 1/10W \ 0603$	$311-100 \mathrm{KGRCT-ND}$

## Manufacturing Notes

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





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