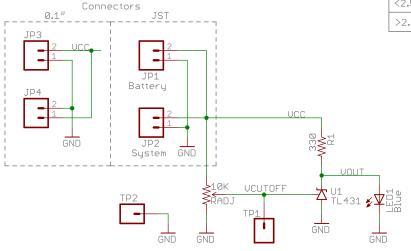


Vref = 2.5V

50

VCut	LED
<2.5V	ON
>2 5U	OFF



LED must have more than 2.5V forward voltage drop.

Calculate voltage out of trimpot:

$$VOUT = VIN* \frac{R2}{R1+R2}$$

$$R1 + R2 = 10K$$

$$R1 = 10K - R2$$

$$VOUT = VIN* \frac{R2}{10K}$$

So if we want LED to turn on at VCC = 3.2V Calculate R2:

$$2.5V = 3.2*\frac{R2}{10K}$$

$$R2 = ^77812$$

Measure TP1 to GND and turn Adj until DMM reads around 7800. Now LED will turn on when VCC drops below 3.2V

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