

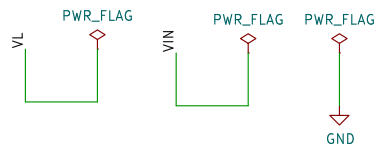
Notes,

$I(\text{LED})$ current calculation
 $I(\text{LED}) = V_{\text{set}}/R1$
 $R1=10$ so $I(\text{LED}) = V_{\text{set}}/10$
 $R2=30k$ and $R3=1k \Rightarrow V_{\text{set}}=0.16V$
 So $I(\text{LED}) \sim 0.016A$ or $\sim 16mA$.

Resistors
 R1 10 C854481
 R2 30k C138008
 R3 1k C144789

Capacitors
 C1, C2, C4, 10uF ceramic capacitors C315248
 C3, 0.1uF ceramic capacitor C3012376

Inductor
 L1 4.7uF 0603, C114862



Sheet: /
 File: 470nm_16mA.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad 7.0.10-7.0.10-ubuntu22.04.1

Rev:

Id: 1/1