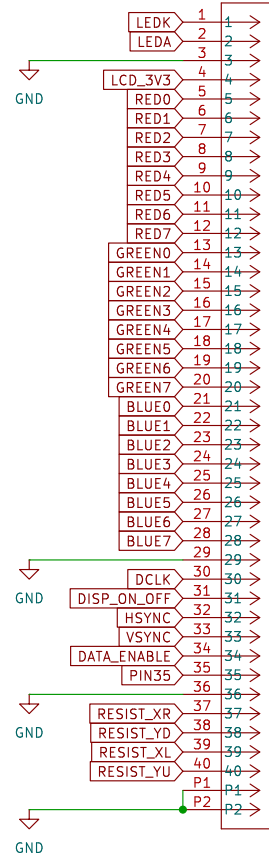
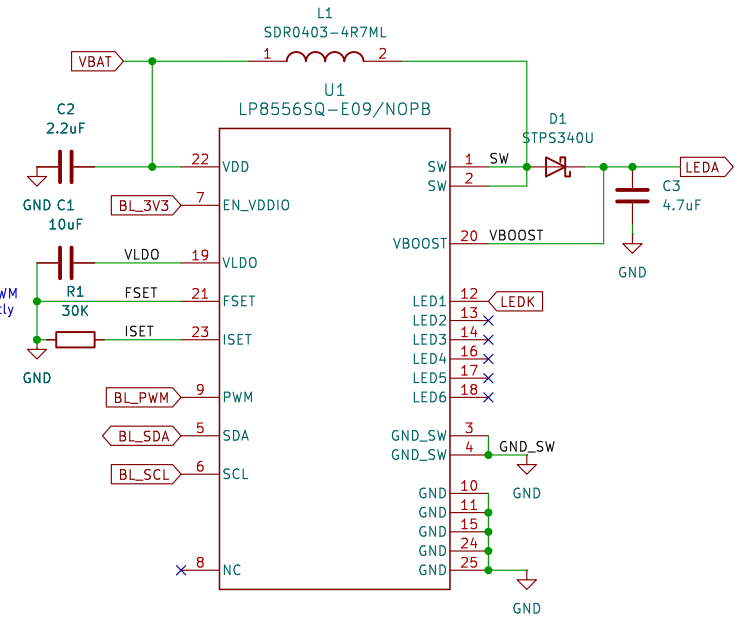


J1
5051100692

FSET to GND = use PWM
input frequency directly



J2
5051104091



R_{ISET}:
 $I_{LED} = (CURRENT/4095) \times I_{MAX} \times (24,000 / R_{ISET})$
 CURRENT is the I2C settable fraction, so just set
 to 4095.
 We want I_{MAX} = 40mA.
 I_{MAX} = 50mA with 24K R_{ISET}
 Current is effectively 1200A / R_{ISET}
 So for I_{MAX} = 40mA, we want:
 $0.04A = 1200A / R$
 $R = 1200A / 0.04A$
 $R = 30K$

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 File: lcd-panel.kicad_sch

Title:

Size: A4
 KiCad E.D.A. 9.0.2

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Rev:

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