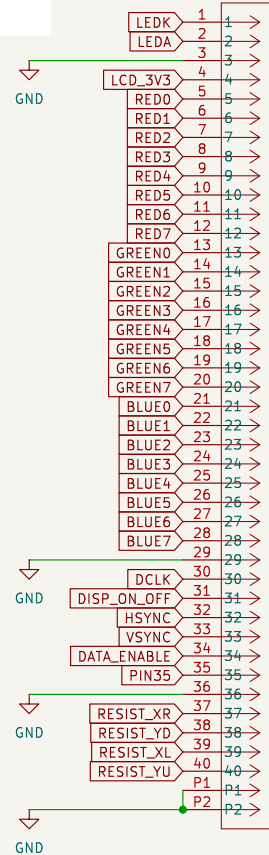
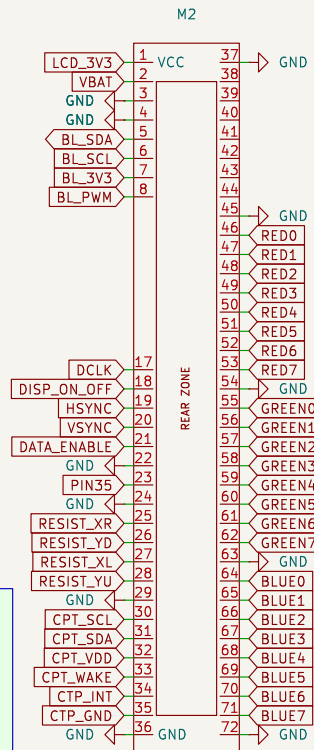
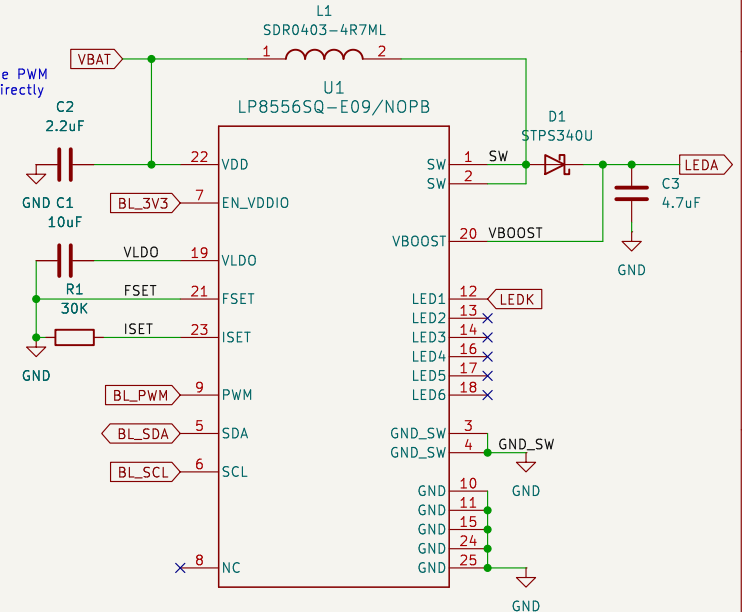


J1  
5051100692



FSET to GND = use PWM  
input frequency directly

J2  
5051104091



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

3D top side