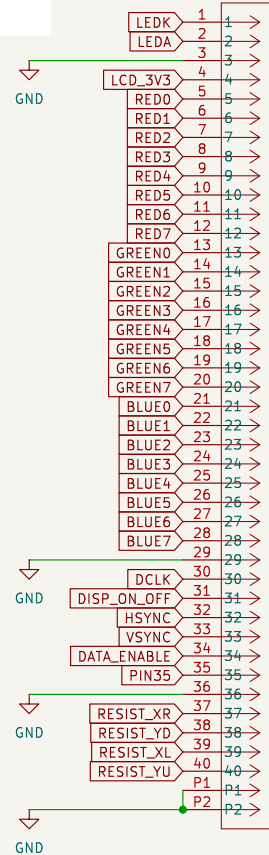
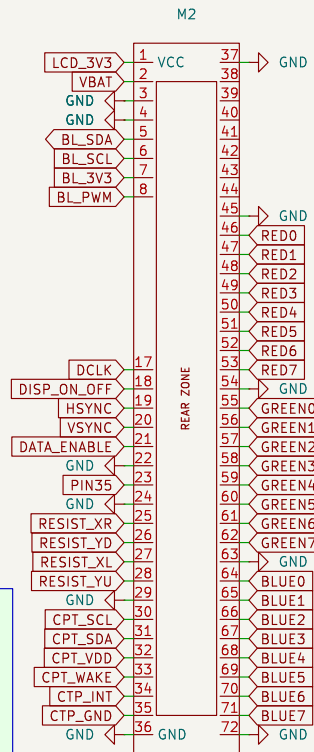
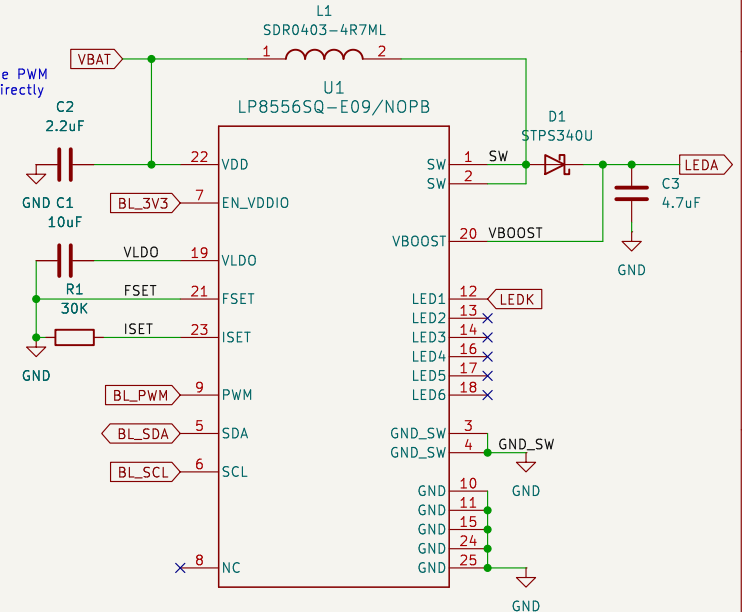


J1  
5051100692



FSET to GND = use PWM  
input frequency directly

J2  
5051104091



R\_ISET:  
I\_LED = (CURRENT/4095) x IMAX x (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