

**LED Resistance Calculation**  
 Red LED voltage drop: 2.1V  
 Green/Blue LED voltage drop: 3.1V

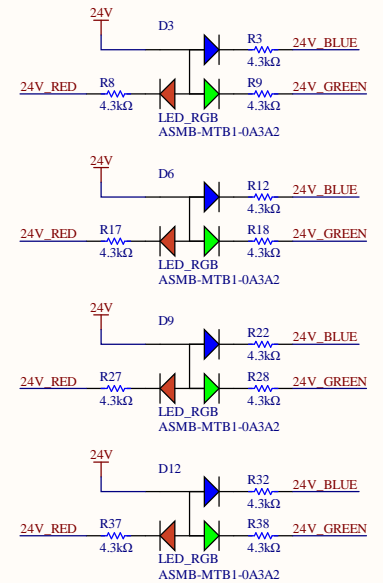
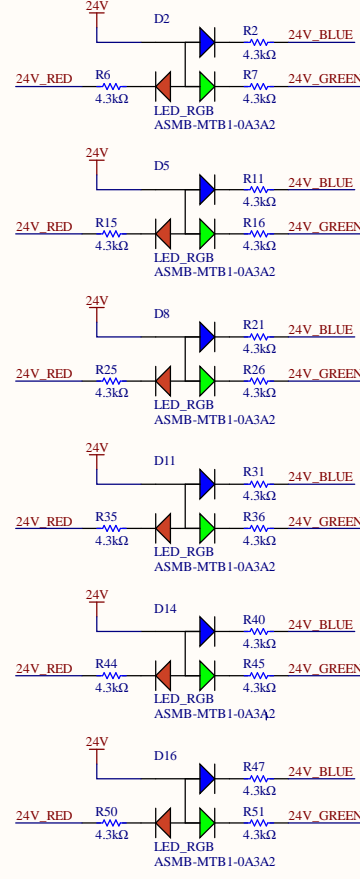
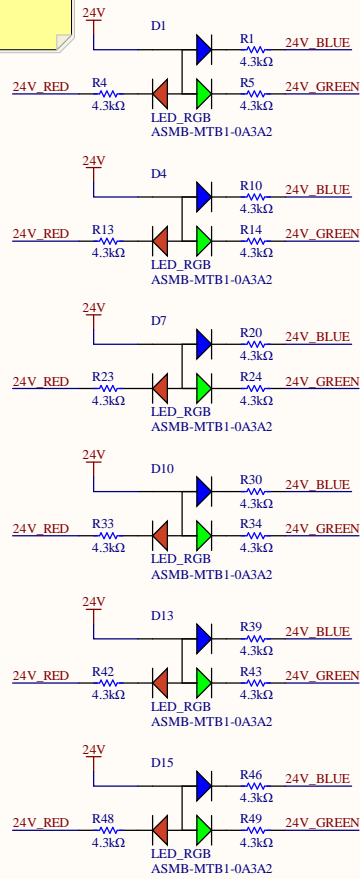
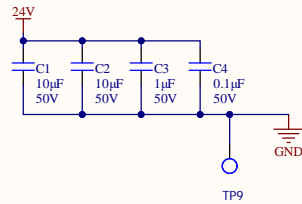
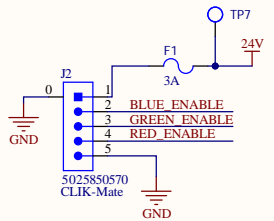
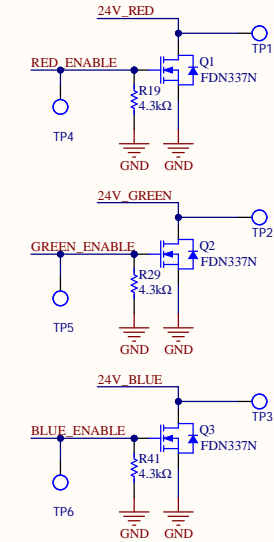
Resistance for red LEDs:  
 $R = (24V - 2.1V)/5mA = 4380 \text{ ohms}$

Resistance for blue & green LEDs:  
 $R = (24V - 3.1V)/5mA = 4180 \text{ ohms}$

**Resistor Power Calculation**  
 Red LED resistor voltage drop: 21.9V  
 Green/Blue LED resistor voltage drop: 20.9V

Power for red LED resistors:  
 $P = 21.9V * 5mA = 0.1095W$

Power for green/blue LED resistors:  
 $P = 20.9V * 5mA = 0.1045W$



MOUNTING HOLES



