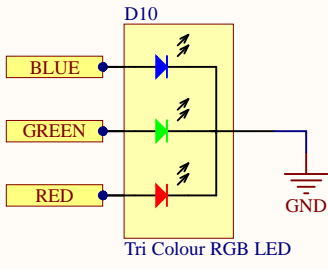
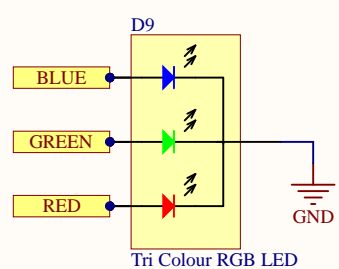
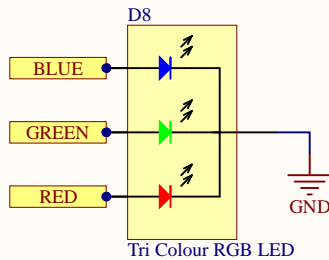
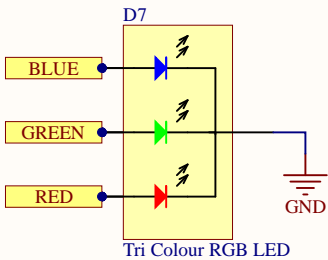
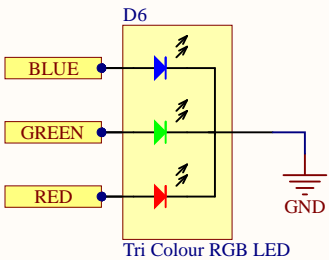
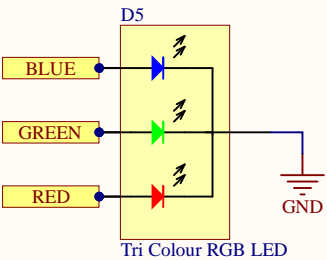
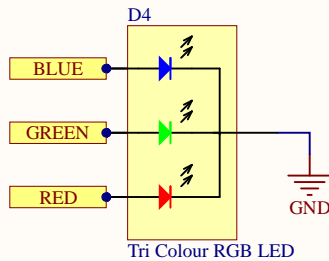
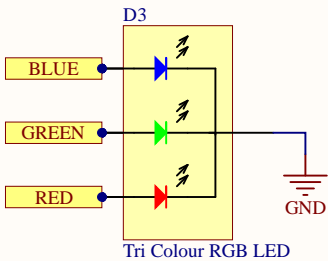
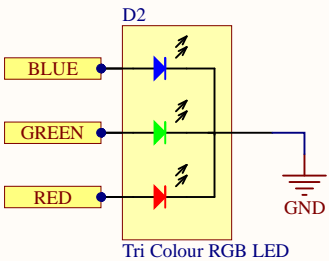
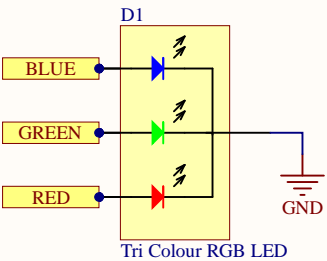
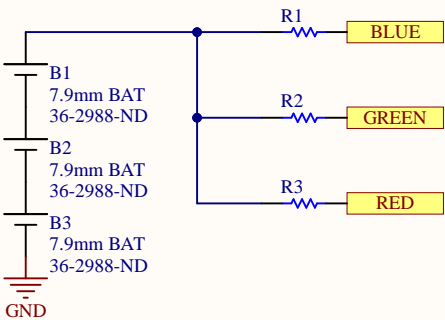


Resistor Calcs for one LED: (15mA max)
Red: $(4.5-2.0)/(15 \times 10^{-3}) = 166$
Green: $(4.5-3.0)/(15 \times 10^{-3}) = 100$
Blue: $(4.5-3.0)/(15 \times 10^{-3}) = 100$

Equivalent Resistances:
Red: $166/9 = 18$ Ohms
Green: $100/9 = 10$ Ohms
Blue: $100/9 = 10$ Ohms

Note: Simulation says 150 ohms on all terminals might be better. In either case, the resistances will be variable



Title: Tron LED Patch	
Drawing Engineer: Sahil Kale	Revision: 1.0
Checking Engineer:	Date: 2/14/2021
Notes:	
Document Name:	Sheet: 1 of 1



Board Stack Report