

CHANGELOG/NOTES  
REV A: Initial Design

Each segment shall be spec'd for 250mA  
Total current draw: 2.25A  
Total Power draw: 15W

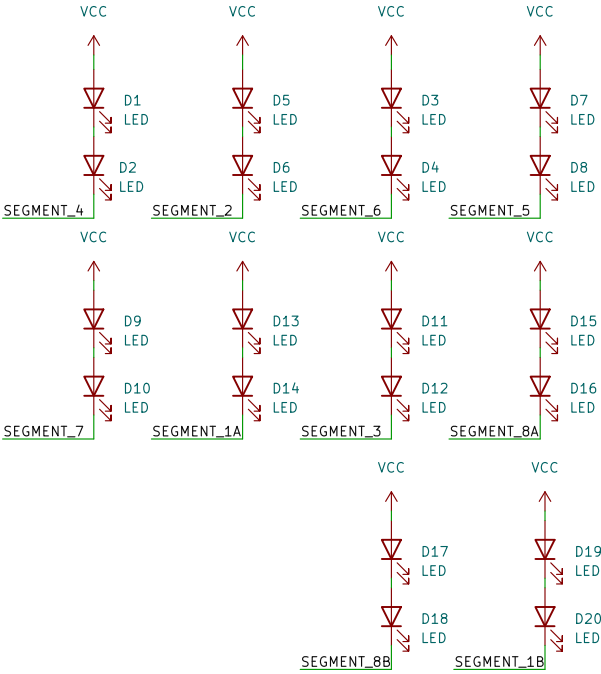
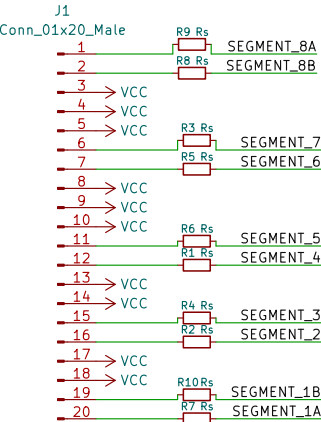
For 140mA:

Red: 18R  
Blue: 7.5R  
Green: 10R  
Amber: 18R

For 240mA:

Red: 10.83R  
Blue: 4.58R  
Green: 5.83R  
Amber: 10R

Assumes 7V VCC



Red: JE2835ARD-N-0001A0000-N0000001 Vf: 2.2V  
Blue: JE2835ABL-N-0005A0000-N0000001 Vf: 2.95V  
Green: JE2835AGR-N-0002A0000-N0000001 Vf: 2.8V  
Amber: JE2835APA-N-0001A0000-N0000001 Vf: 2.3V

If: 140mA Max 240mA

- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole
- Mounting Holes

Main

Drawn by: Winnie Szeto   github.com/wszeto9		File: LED_Panel.kicad_sch	
Size: USLetter	Date: 2023-02-08		Rev: A01
KiCad E.D.A. kicad (6.0.1)		Page: 1/1	