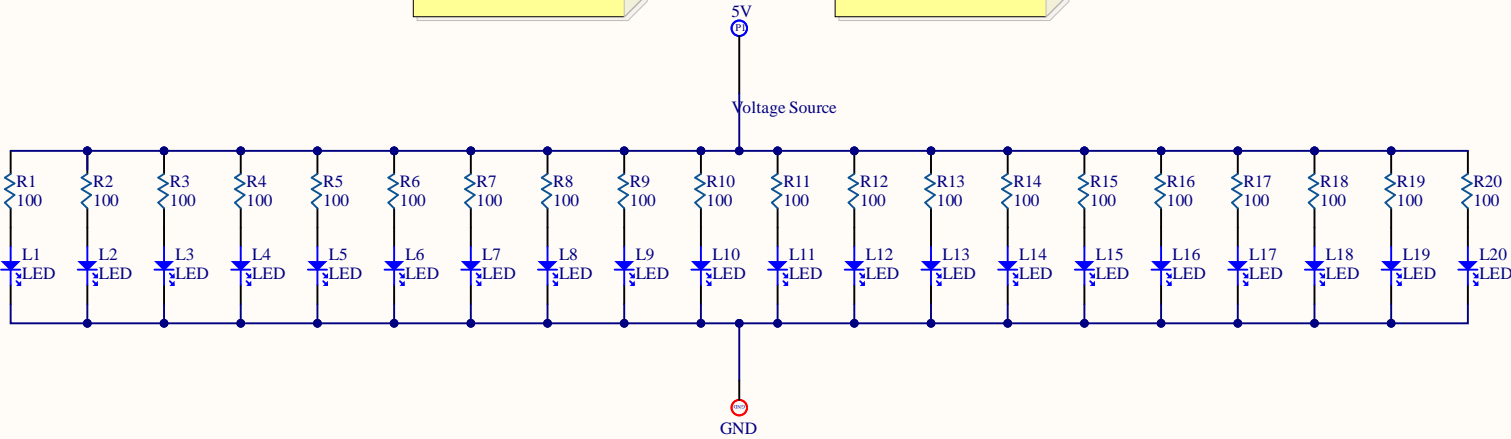


Note: VIN will be connected to voltage source.

LED Strip Length is 22cm

Calculations: Resistors: Power Supply
Voltage Range: 5V Forward Voltage:
3.3V Desired LED Current:
15mA Resistance= (Power Supply V -
Forward Voltage)/Desired LED
Current $R = (5V - 3.3V) / (15mA) = 113.34$
Ohms With 100 Ohm Resistor:
 $I = (5V - 3.3V) / 100 = 17mA$ Max
mA=20mA



Title Navigation Lights		
Size A4	Number	Revision V113
Date:	3-20-2022	Sheet of
File:	C:\Users\...\NavLightsSchem.SchDoc	Drawn By: Neel.B and Kevin.S