

Note: VIN will be connected to voltage source.

LED Strip Length is 22cm.
Length: Components are spaced 2cm apart. Width: Wing width is 10mm, LEDs are 3mm long and resistors are 1.60mm long.

Resistor Calculations:

Voltage Range: 5V

Forward Voltage: 3.3V

Desired LED Current: 15mA

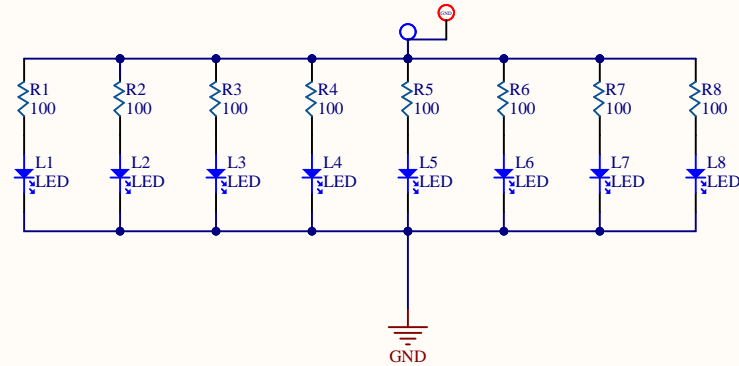
$R = (\text{Power Supply } V - \text{Forward } V) / \text{Desired Current}$

$R = (5V - 3.3V) / 15mA = 113.34 \text{ Ohms}$

With 100 Ohm Resistor:

$I = (5V - 3.3V) / 100 = 17mA$

Max Current: 20mA



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Nav Lights		
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File:	C:\Users\...\NavLightsSchem.SchDoc	Drawn By: Neel B and Kevin S