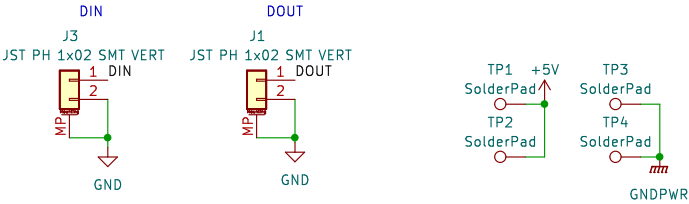
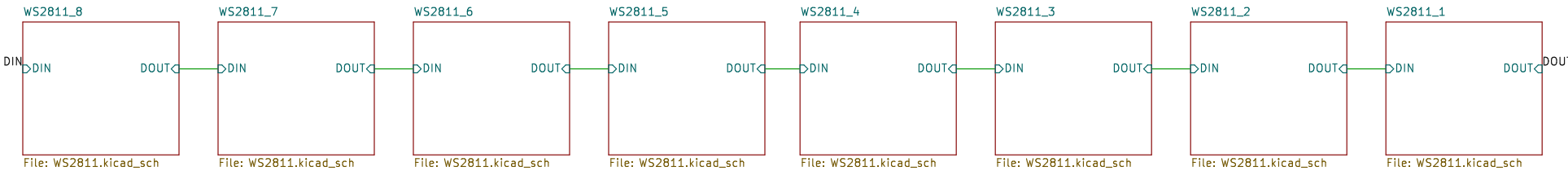


CHANGELOG/NOTES

REV A: Initial Design. Power Requirements: 5V/16A (80W)

Rev B: Changed LED to have an electrically isolated EP

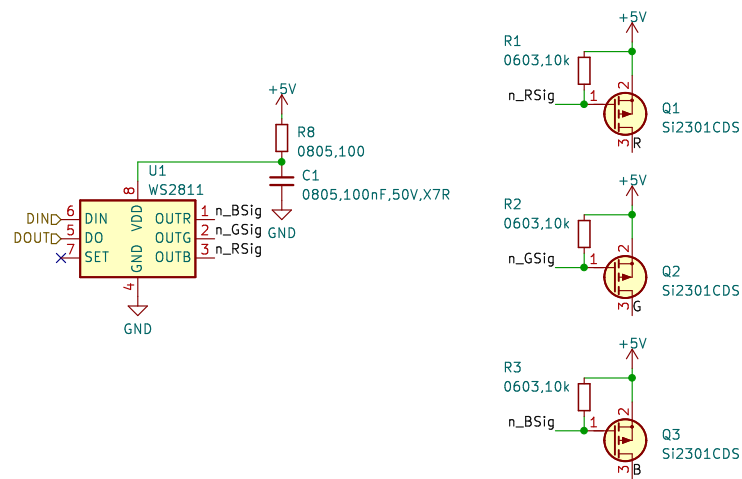


Note: GNDPWR is tied to GND in the WS2811 SCH

- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole

Main

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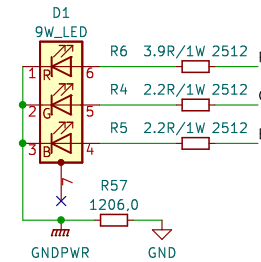


If = 0.6A Max Current Draw / Channel

Vf:
R: 2.6V
G: 3.6V
B: 3.6V

$R_{LED} = (5 - V_f) / I_f$
R: 4R
G: 2.3R
B: 2.3R

Power loss = $I^2 * R$:
R: 1.44W
G: 0.828W
B: 0.828W



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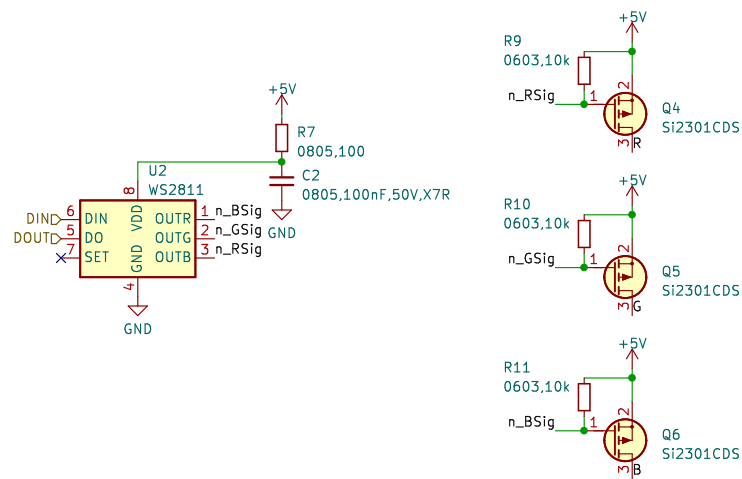
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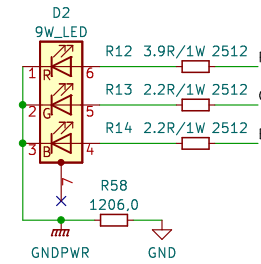


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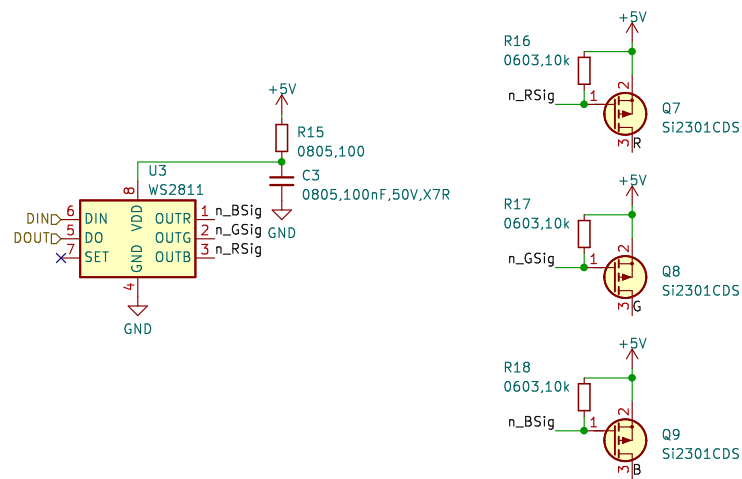
File: WS2811.kicad_sch

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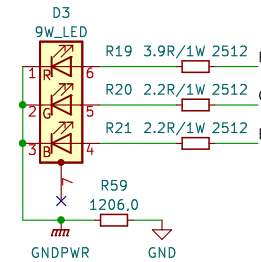


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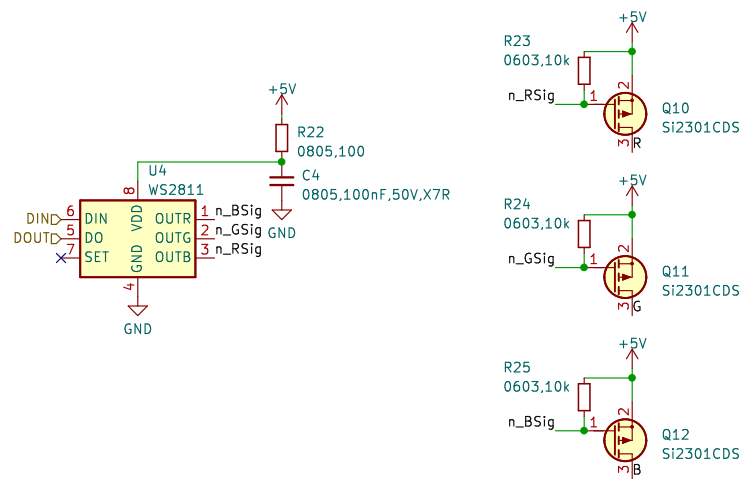
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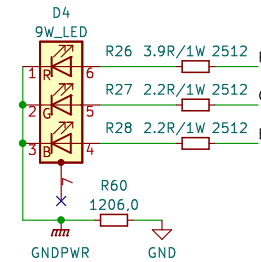


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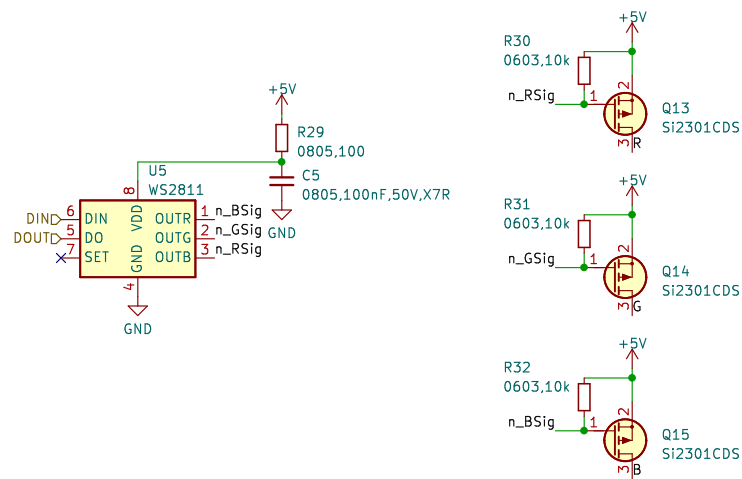
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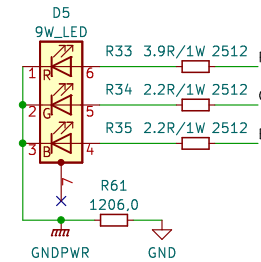


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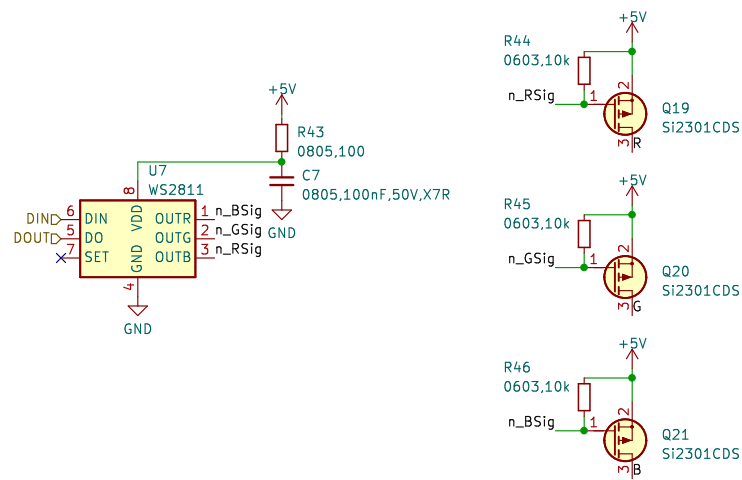
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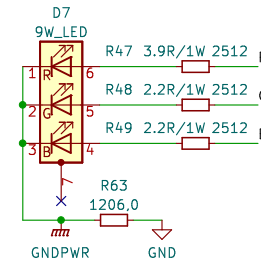


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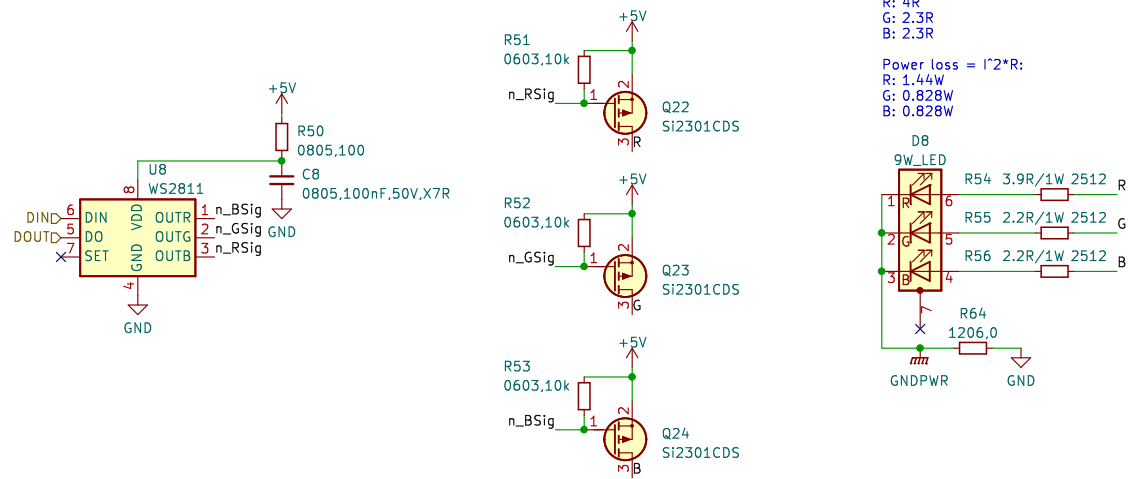
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