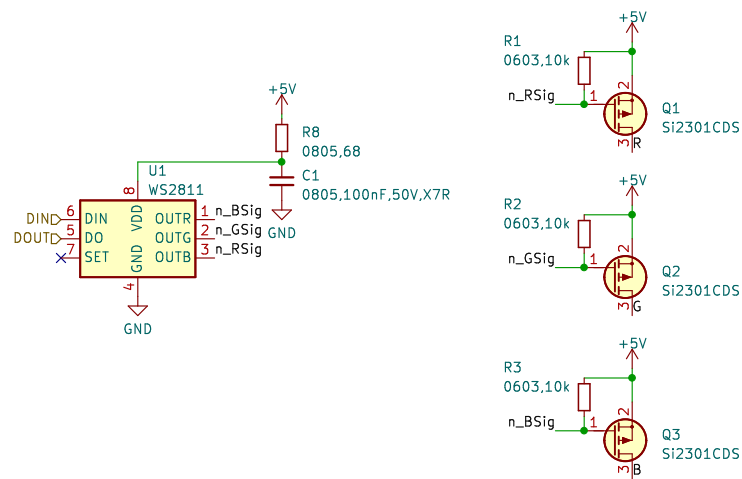


Main		
Drawn by: Winnie Szeto github.com/wszeto9		File: chandelierLEDPcb.kicad_sch
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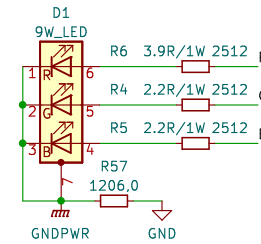


If = 0.6A Max Current Draw / Channel

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 = $I^2 \cdot R$:
R: 1.44W
G: 0.828W
B: 0.828W



Drawn by: Winnie Szeto | github.com/wszero9

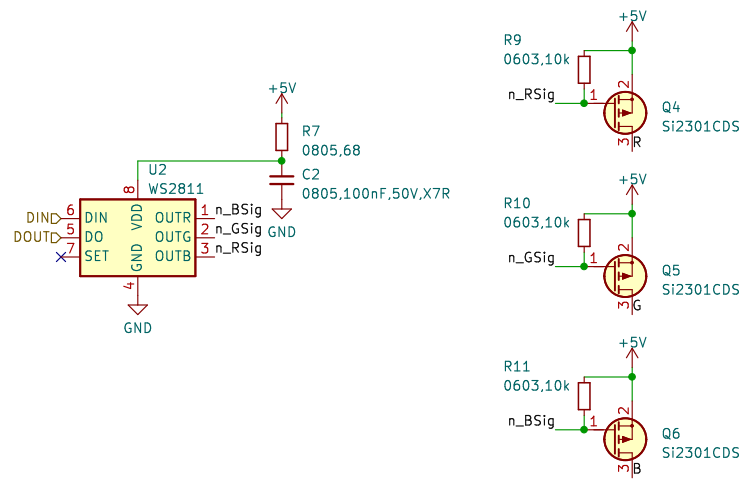
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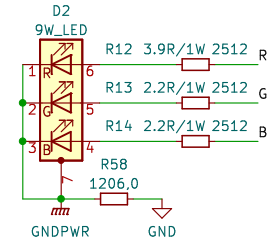


If = 0.6A Max Current Draw / Channel

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 = $I^2 \cdot R$:
R: 1.44W
G: 0.828W
B: 0.828W



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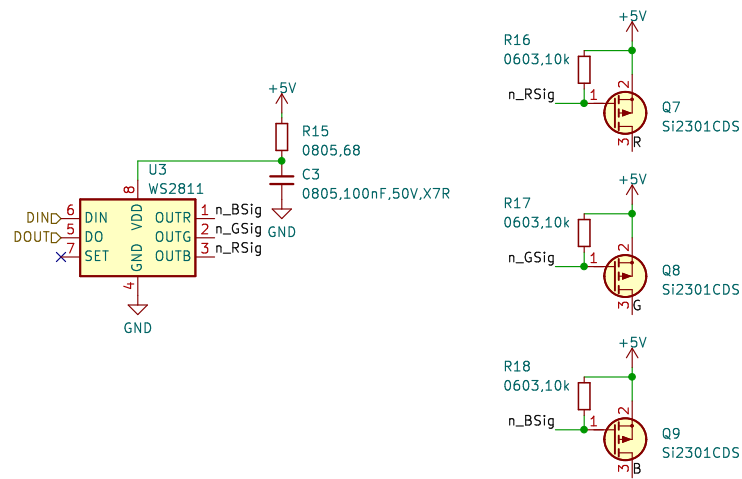
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If = 0.6A Max Current Draw / Channel

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 = $I^2 \cdot R$:
R: 1.44W
G: 0.828W
B: 0.828W

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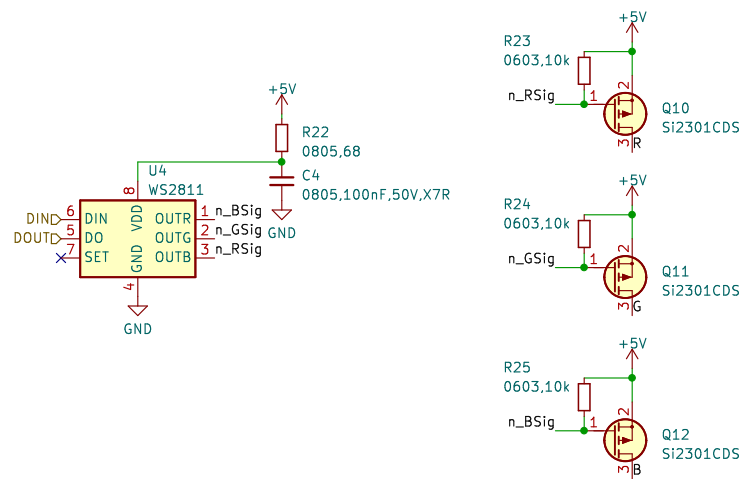
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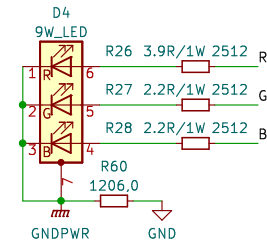


If = 0.6A Max Current Draw / Channel

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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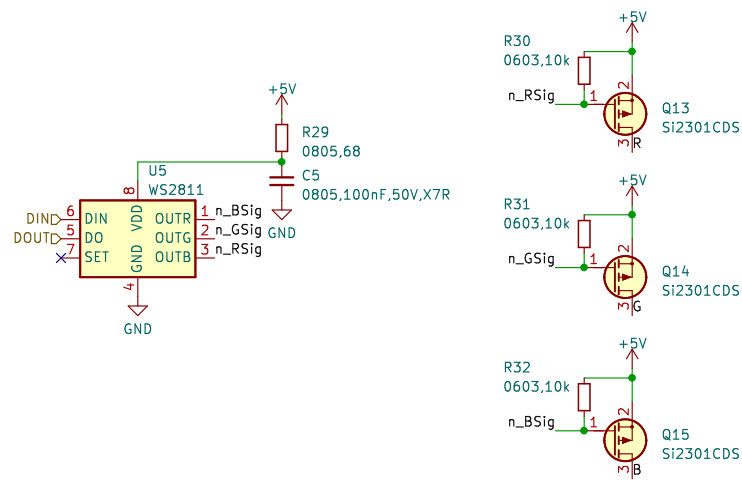
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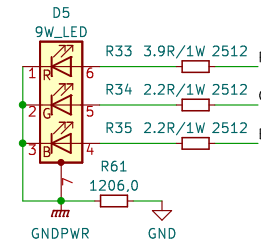


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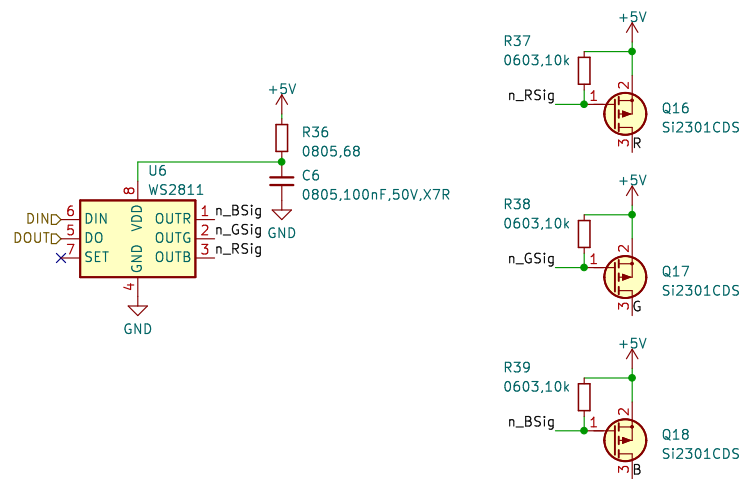
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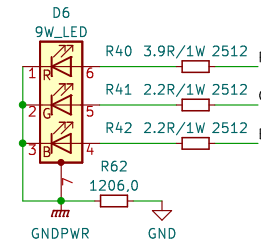


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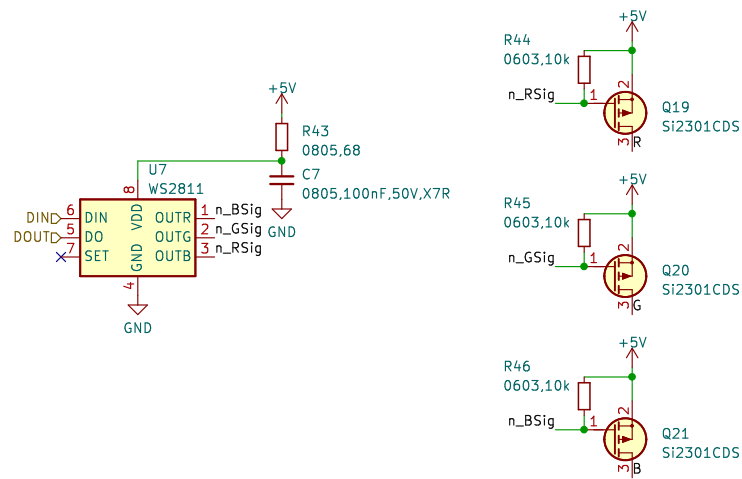
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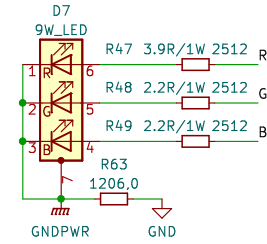


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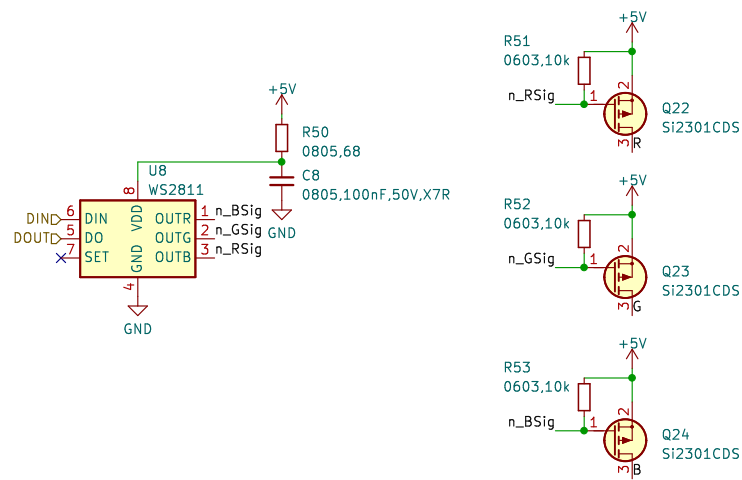
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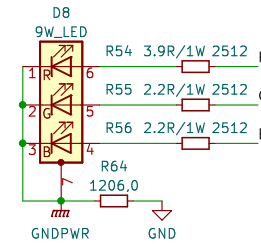


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