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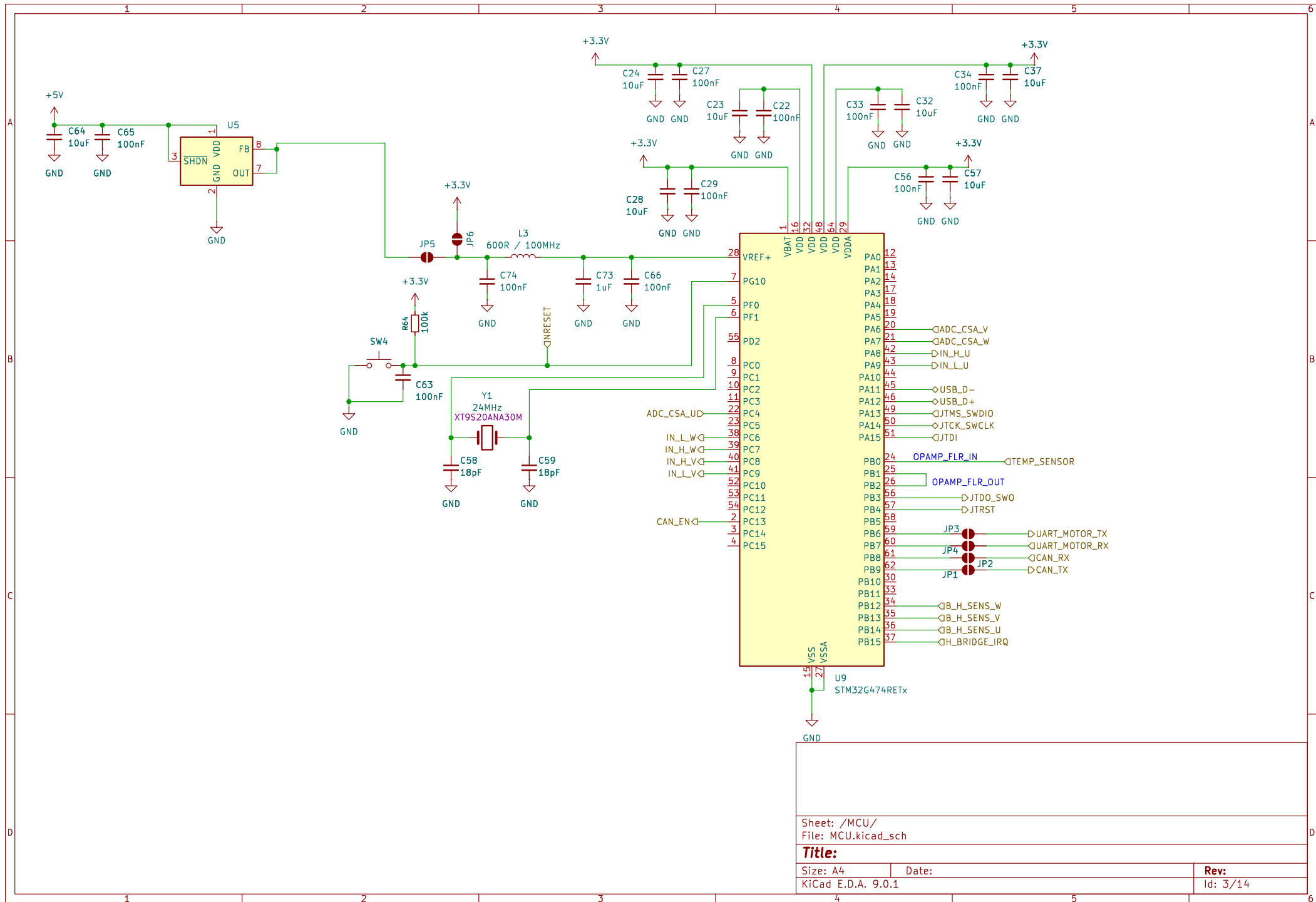
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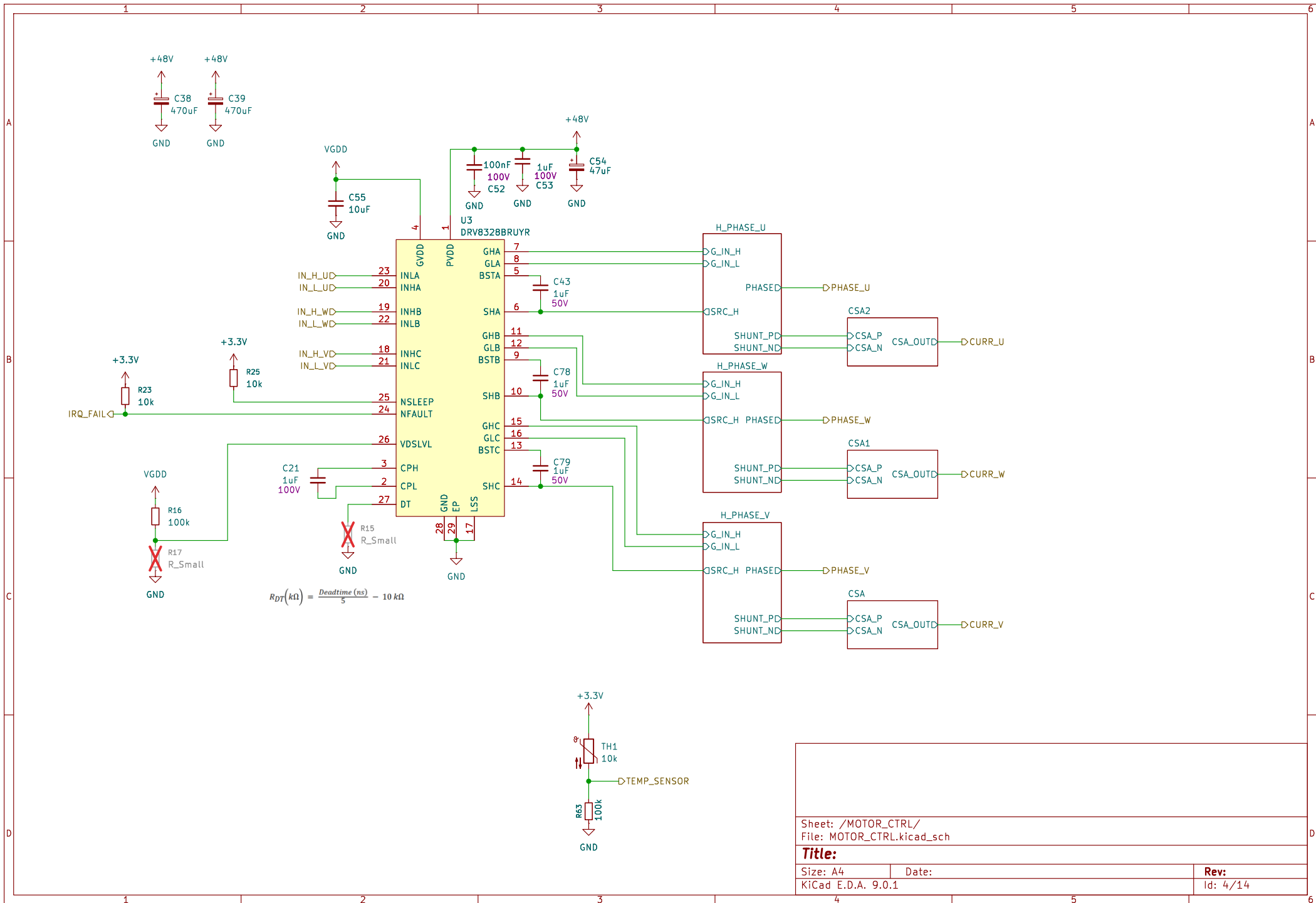
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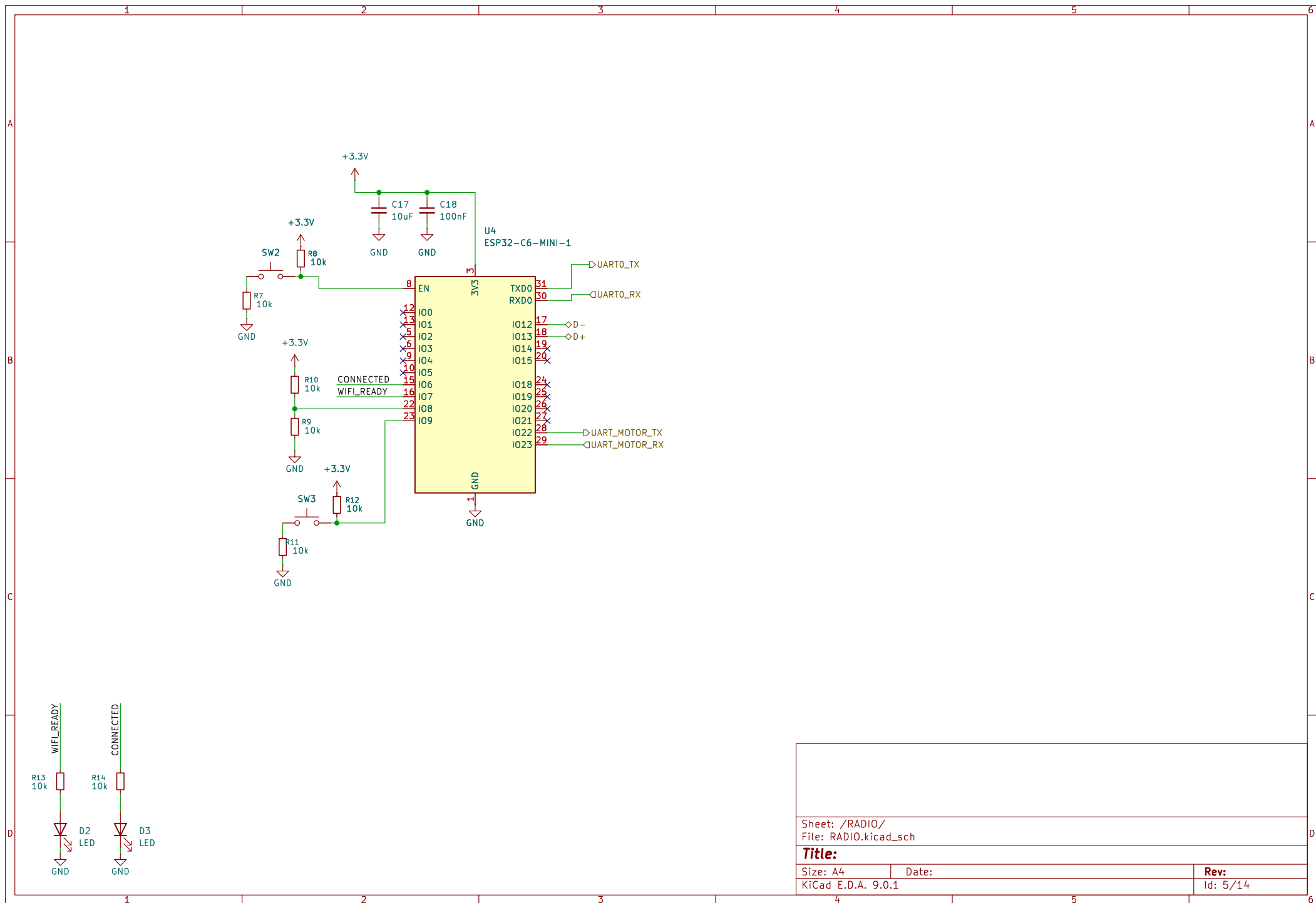
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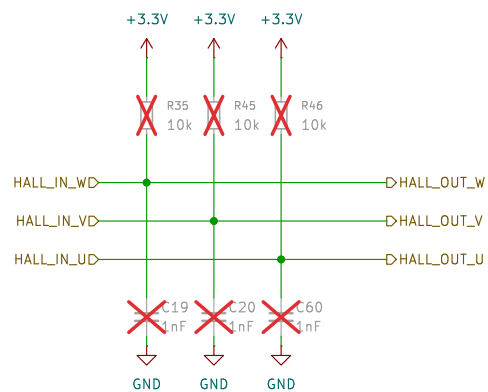
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ONLY FOR MOTOR WITH HALL SENSOR



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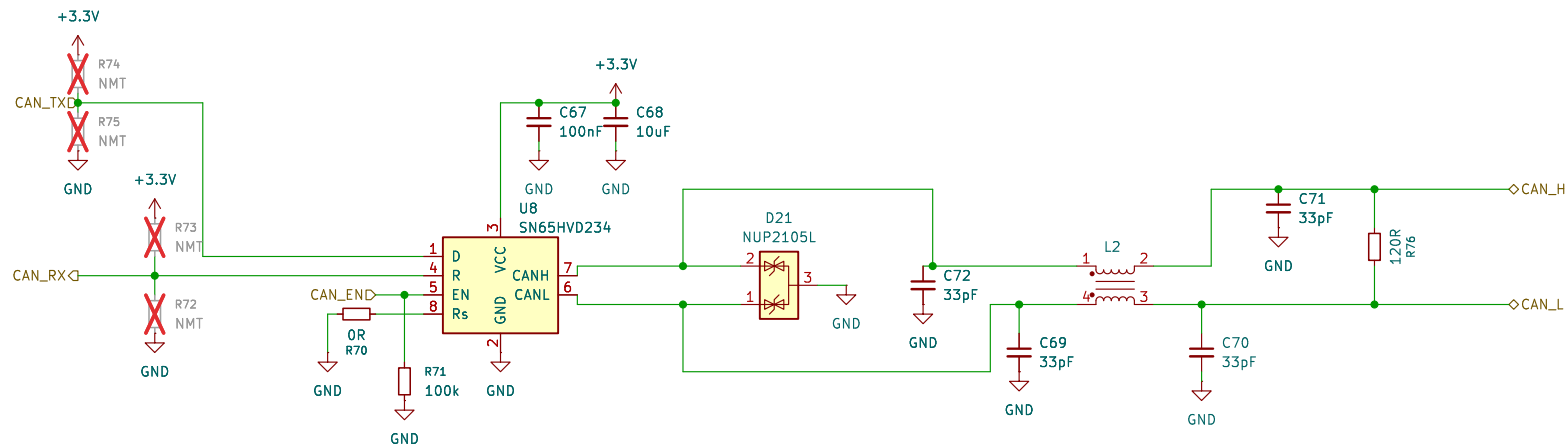
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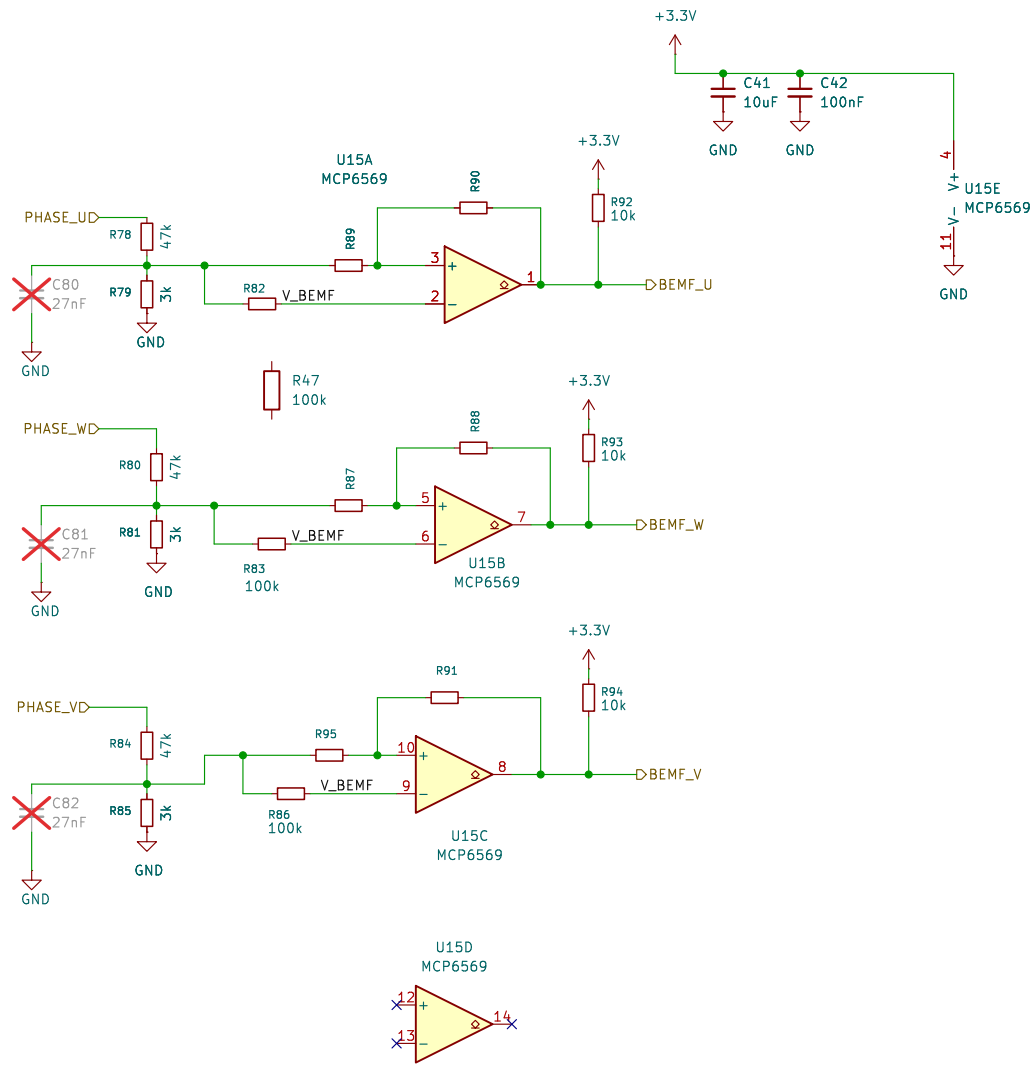


FIGURE 4-4: Noninverting Circuit with Hysteresis for Single Supply.

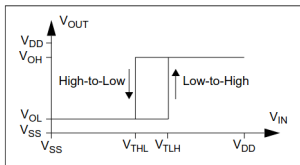


FIGURE 4-5: Hysteresis Diagram for the Noninverting Circuit.

The trip points for Figures 4-4 and 4-5 are:

EQUATION 4-1:

$$V_{TLH} = V_{REF} \left(1 + \frac{R_I}{R_F} \right) - V_{OL} \left(\frac{R_I}{R_F} \right)$$

$$V_{THL} = V_{REF} \left(1 + \frac{R_I}{R_F} \right) - V_{OH} \left(\frac{R_I}{R_F} \right)$$

Where:

V_{TLH} = Trip Voltage from Low-to-High

V_{THL} = Trip Voltage from High-to-Low

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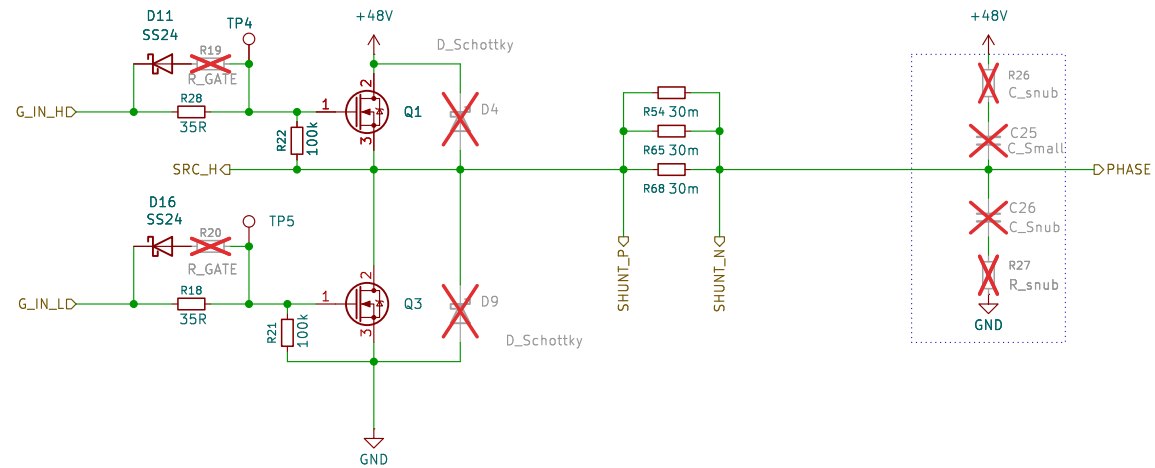
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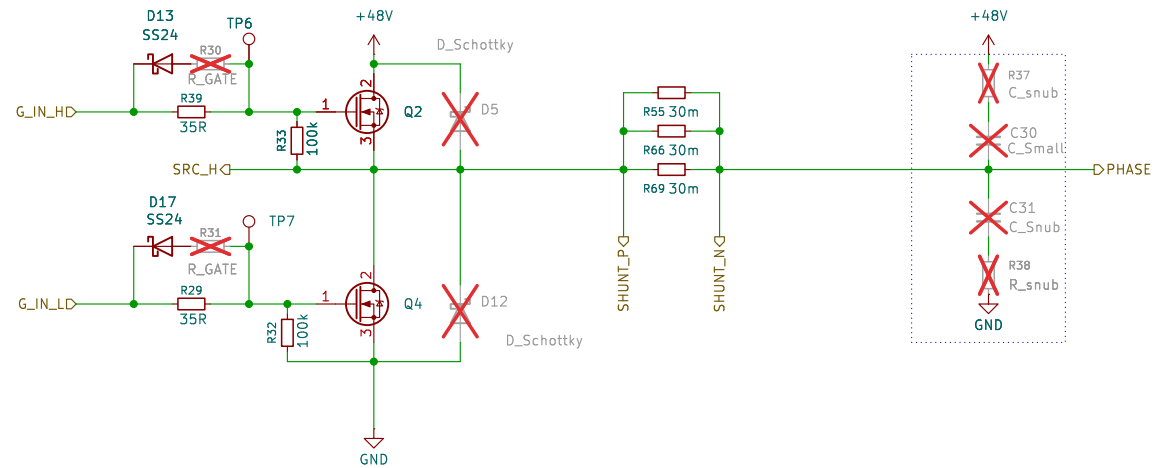
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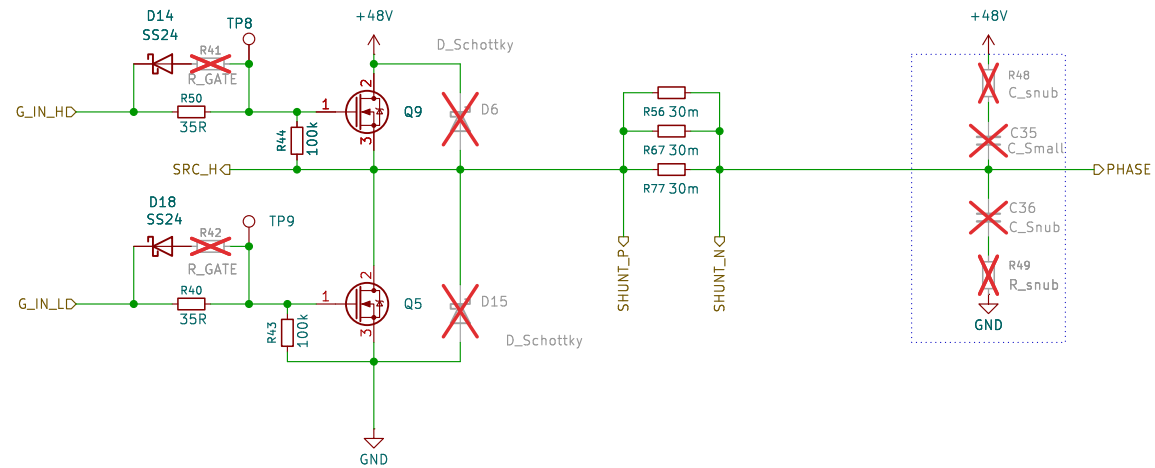
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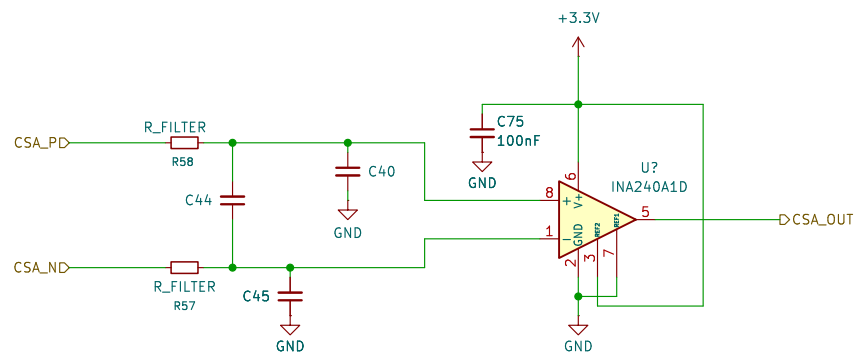
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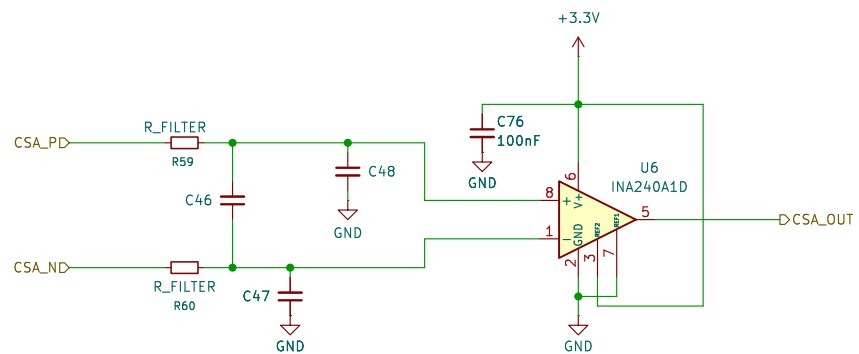
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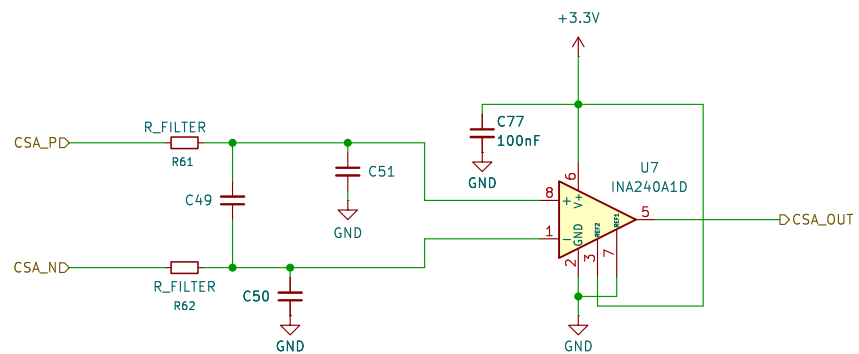
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