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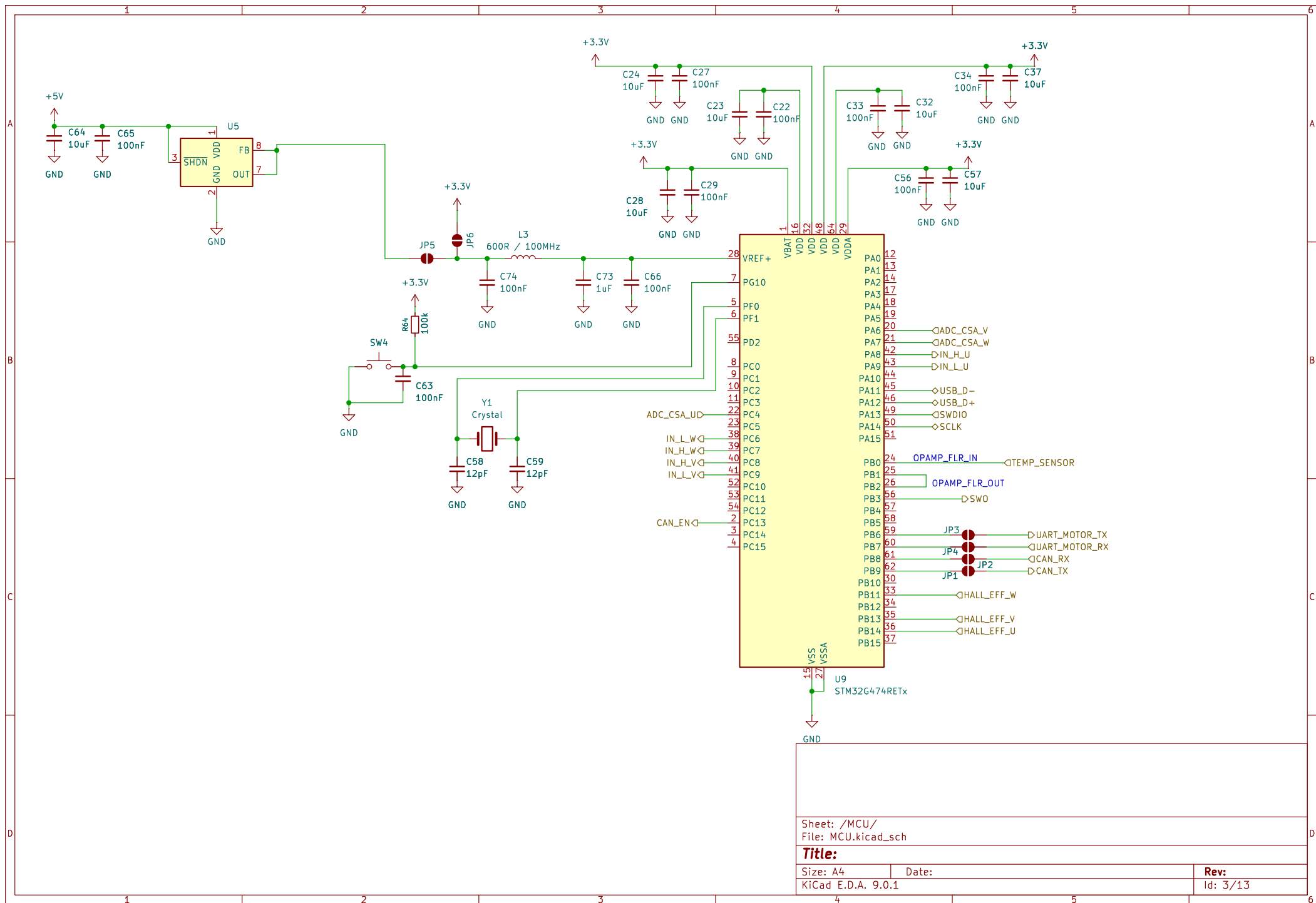
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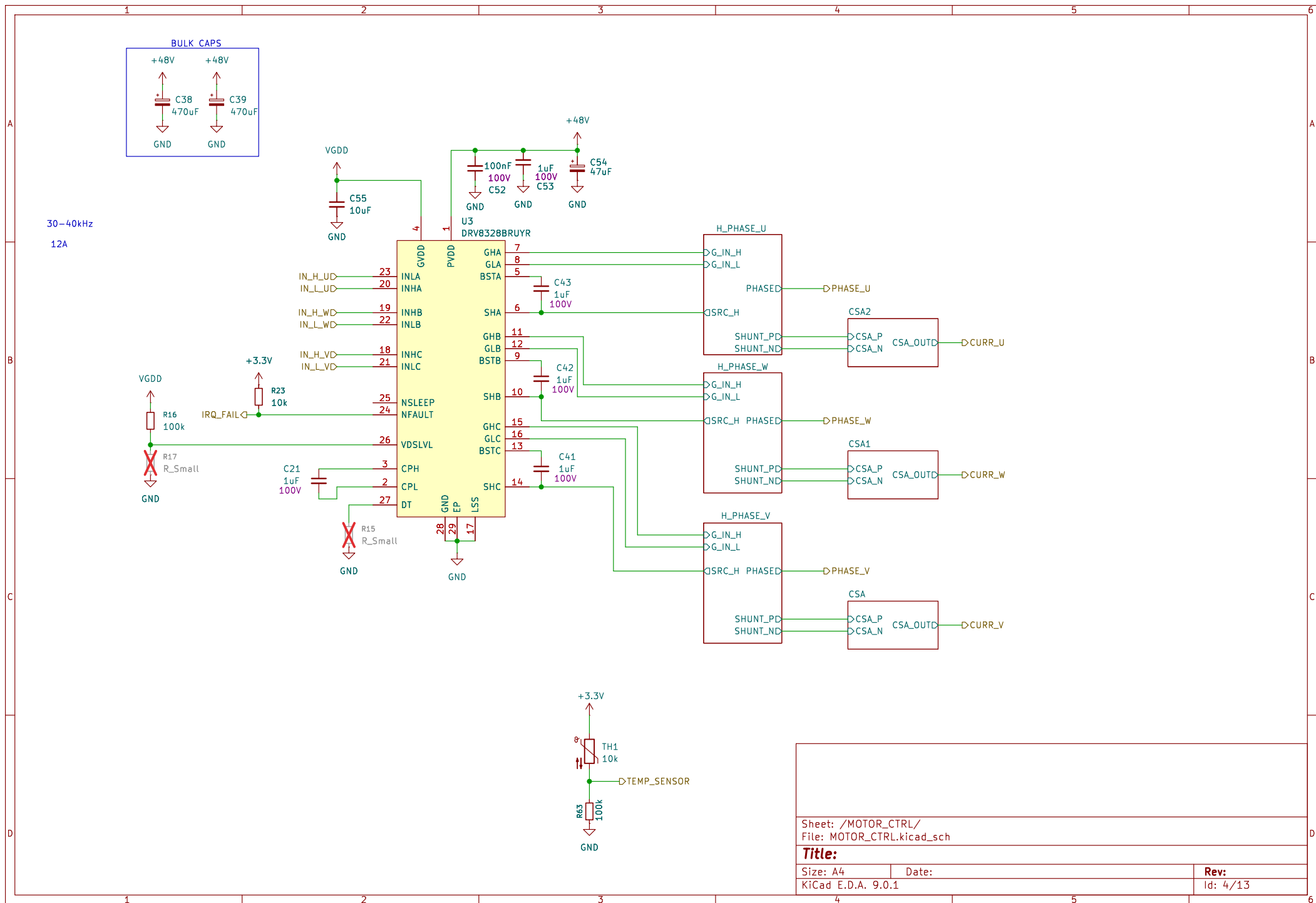
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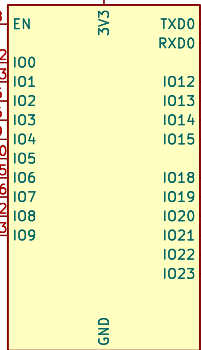
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Rev:

Id: 2/13

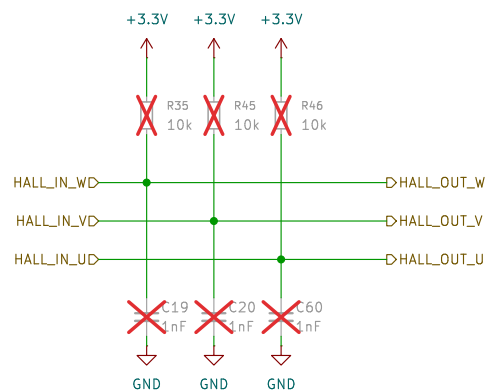






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Size: A4	Date:	Rev:	
KiCad E.D.A. 9.0.1		Id: 5/13	

ONLY FOR MOTOR WITH HALL SENSOR



Sheet: /HALL_EFF_SENSOR/
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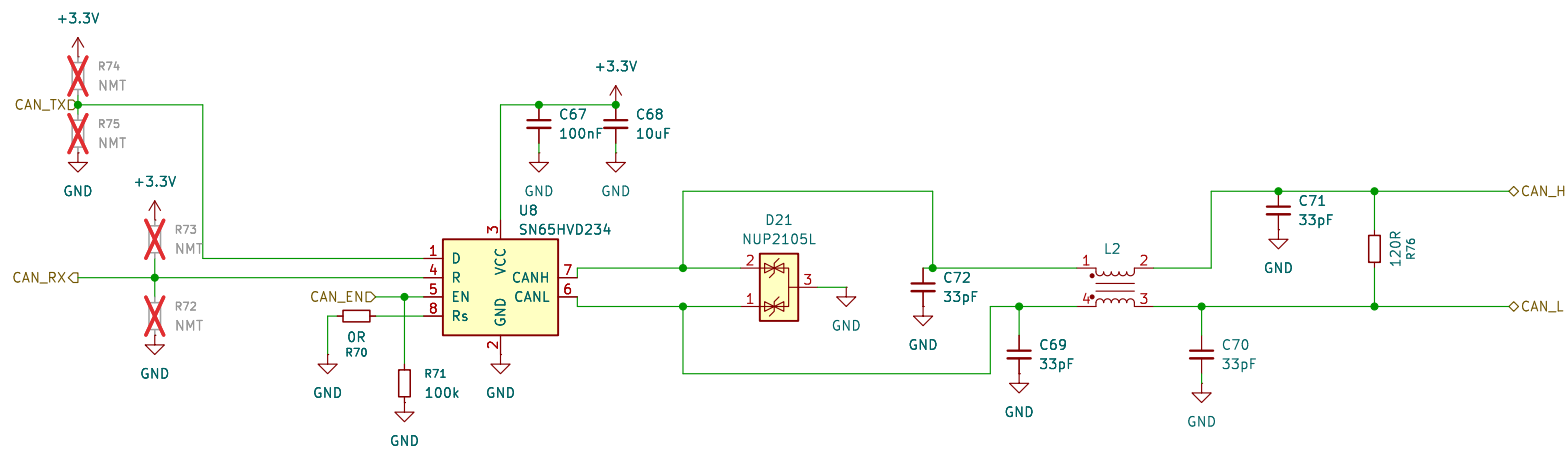
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Date:

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Rev:

Id: 13/13

[illegible]

https://www.st.com/resource/en/application_note/an4304-how-to-filter-the-input-of-a-highside-current-sensing-stmicroelectronics.pdf

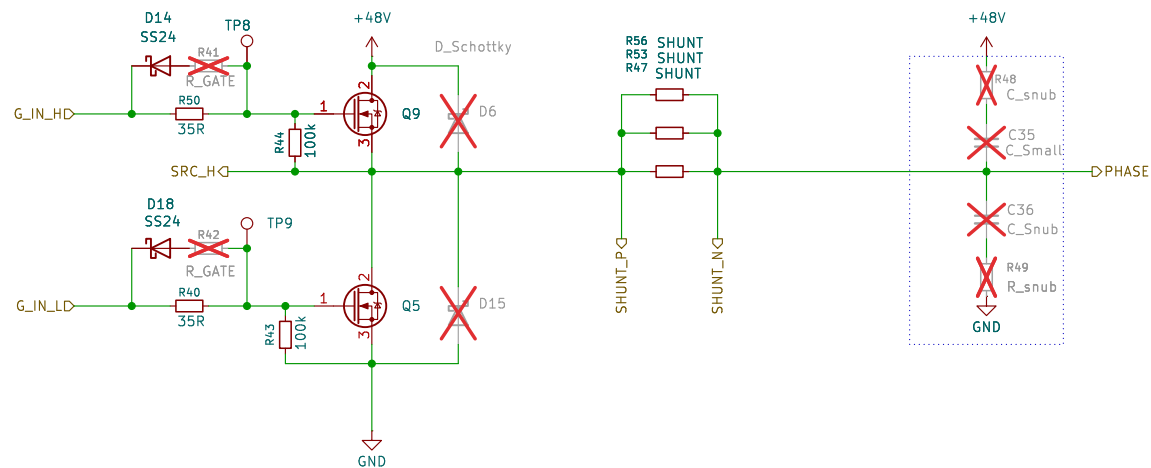
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Id: 6/13

The schematic illustrates a 2-phase motor driver circuit. It features two H-bridges, one for the positive phase (top) and one for the negative phase (bottom). Each H-bridge is composed of two MOSFETs (Q1, Q2, Q3, Q4) and a D_Schottky diode (D5, D12) in parallel with the MOSFETs. The motor is represented by an inductor with parasitic capacitance C_Snub and C_Small. The circuit is powered by a +48V supply and grounded. Various components are labeled with part numbers and values, and some are marked with red 'X' indicating they are not used in the final design.

https://www.st.com/resource/en/application_note/an4304-how-to-filter-the-input-of-a-highside-current-sensing-stmicroelectronics.pdf

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Id: 7/13

<https://e2e.ti.com/support/motor-drivers-group/motor-drivers/f/motor-drivers-forum/991693/faq-proper-rc-snubber-design-for-motor-drivers>



Filter:
https://www.st.com/resource/en/application_note/an4304-how-to-filter-the-input-of-a-highside-current-sensing-stmicroelectronics.pdf

Sheet: /MOTOR_CTRL/H_PHASE_V/
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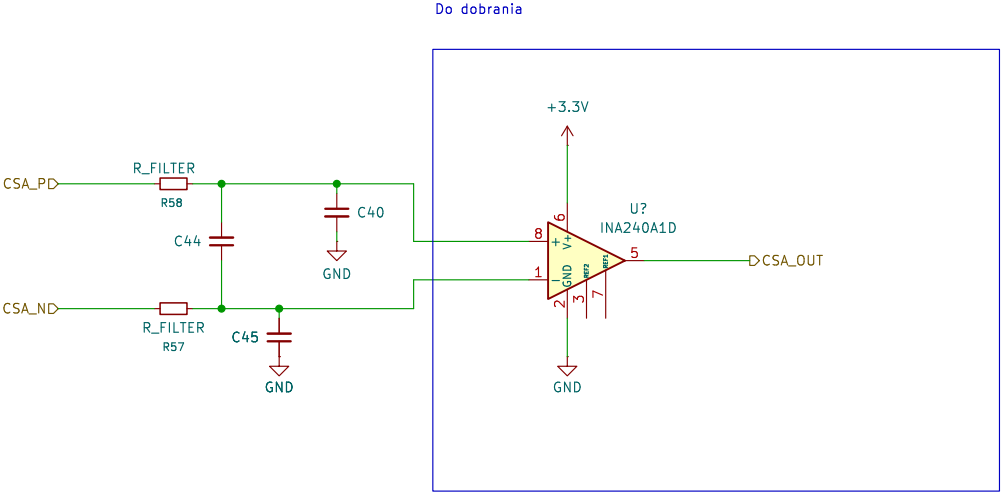
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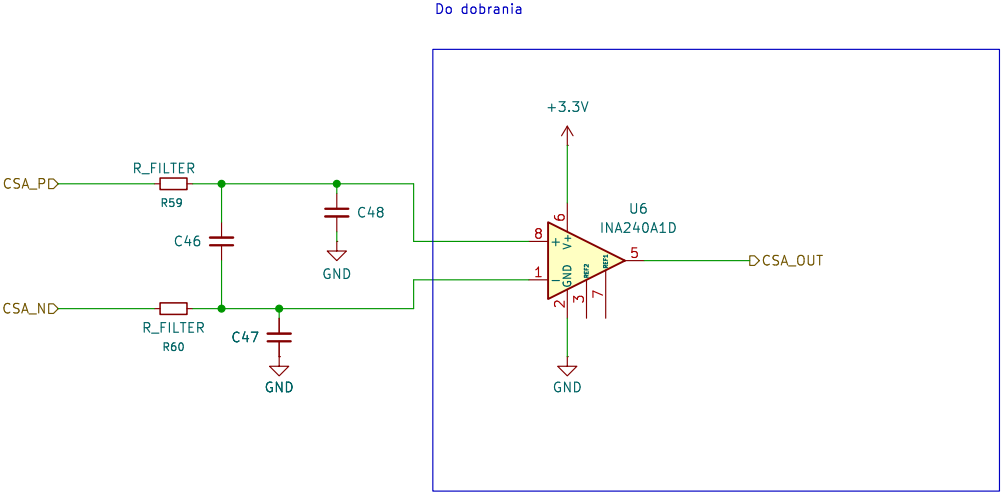
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Rev:

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Id: 9/13



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