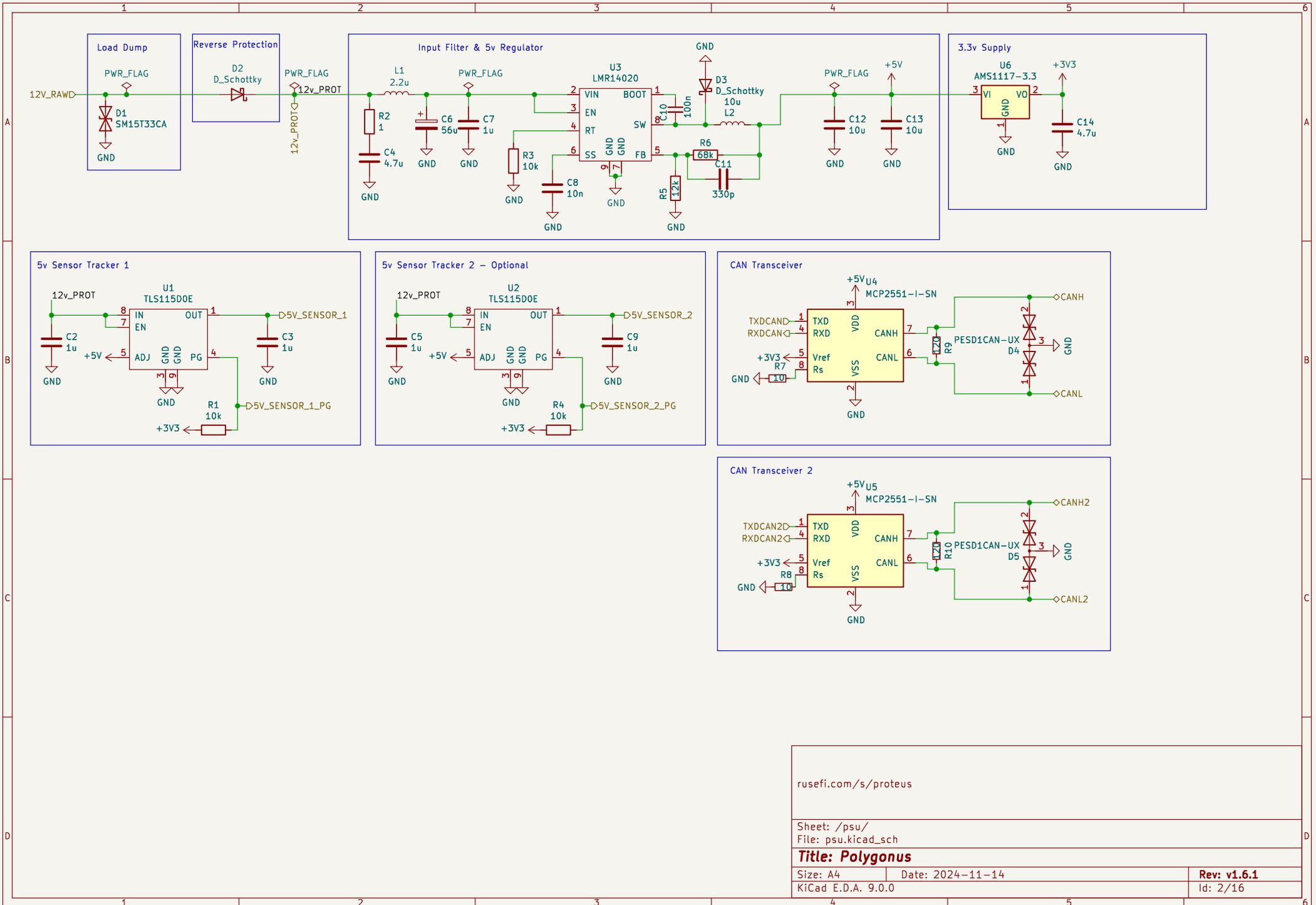


PIN FUNCTIONS

12V_KEY – Connect to ignition switch. Powers internal ECU logic.
 12V_MR – Power input from the ECU-controlled main relay.
 PERM_LIVE – 12v permanent battery connection, keeps clock running while powered off.
 5V_SENSOR – 5V supply output for ECU sensors

LS1–8, LS13–16 – Medium power low-side outputs, no diode (injectors, relays, etc)
 LS9–12, A–D – High power low-side outputs with freewheel diode (VVT, Idle, PWM solenoids, etc)
 HS1–4 – Medium power high side outputs

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KiCad E.D.A. 9.0.0		Id: 1/16	



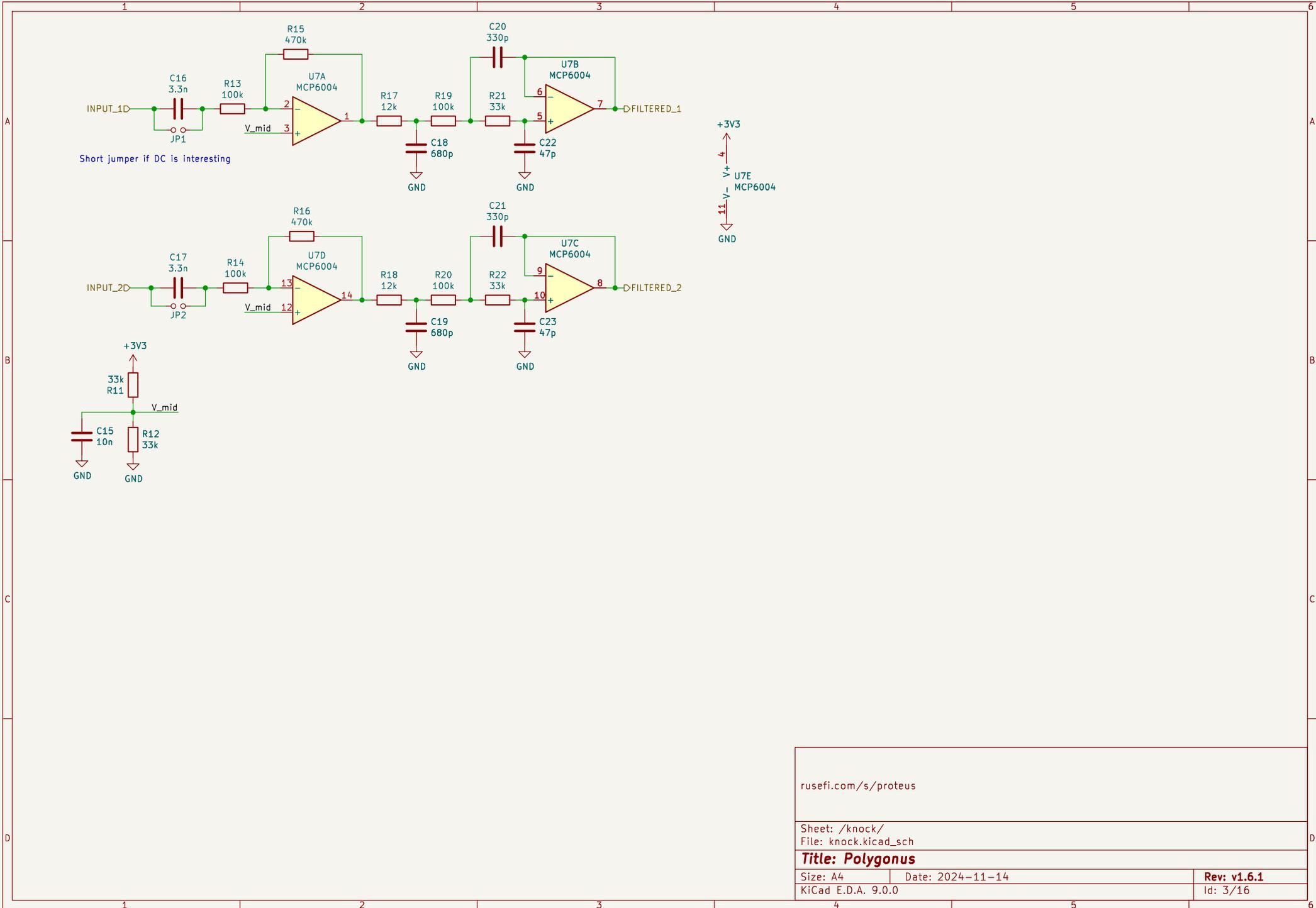
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Rev: v1.6.1
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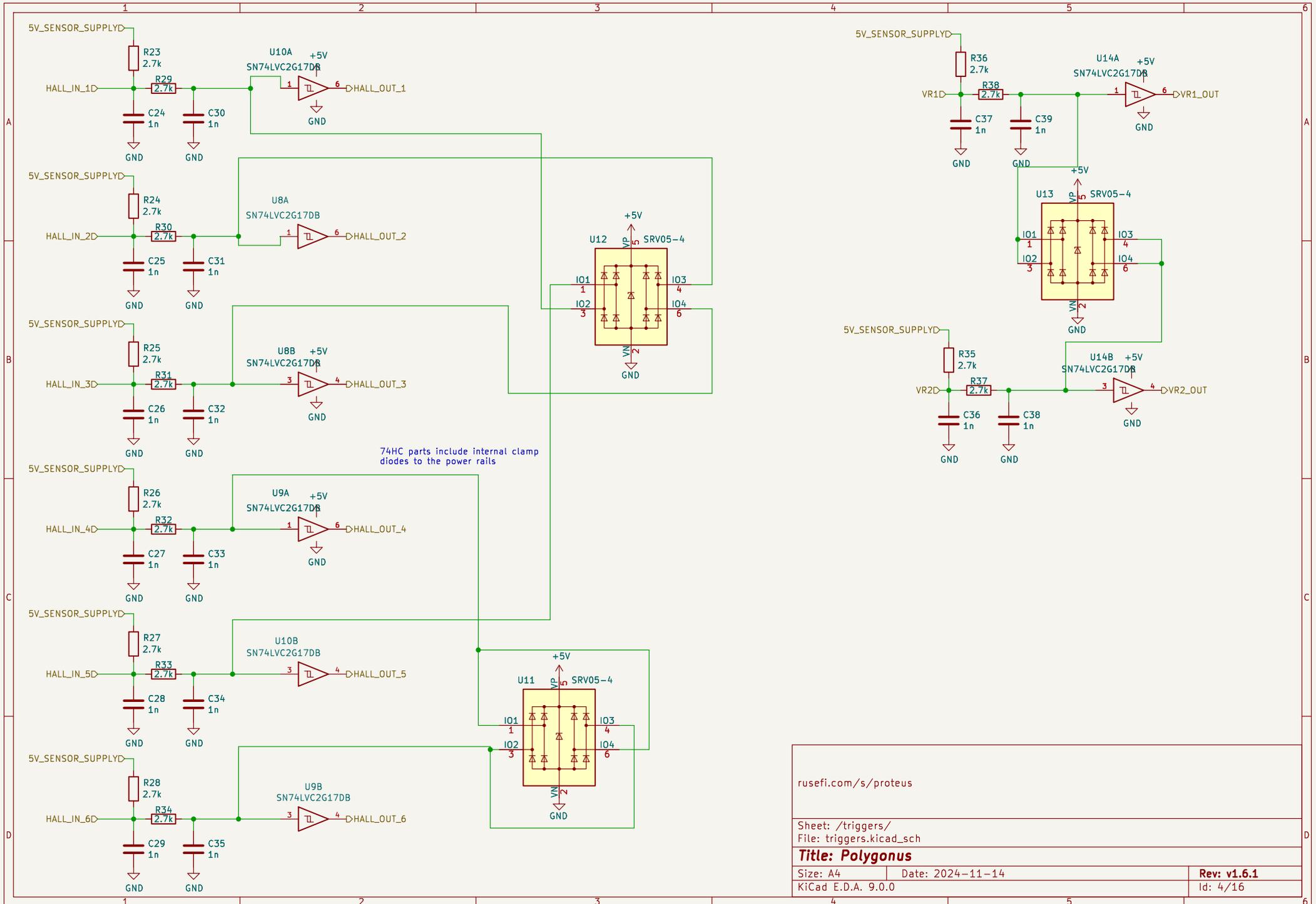
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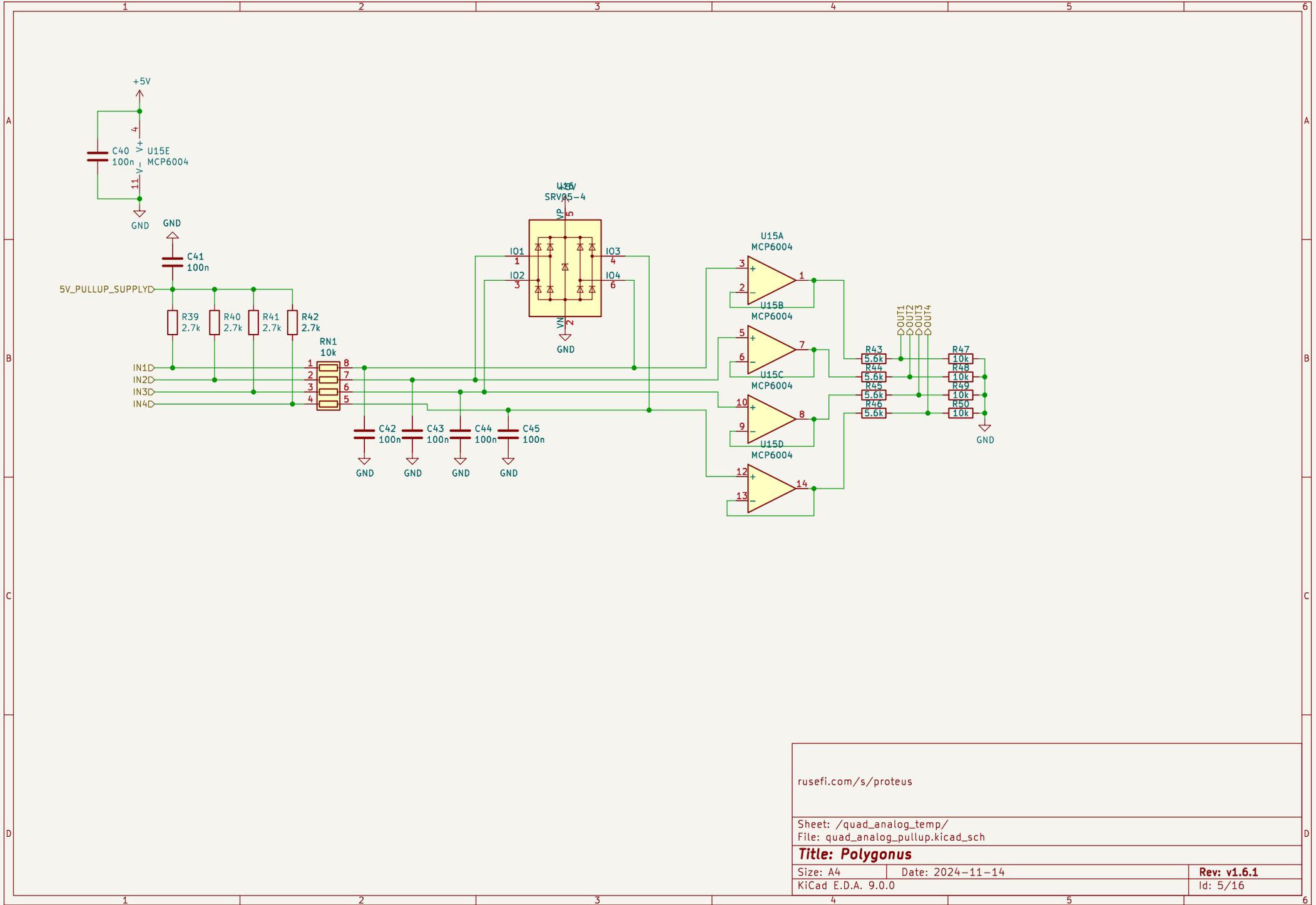
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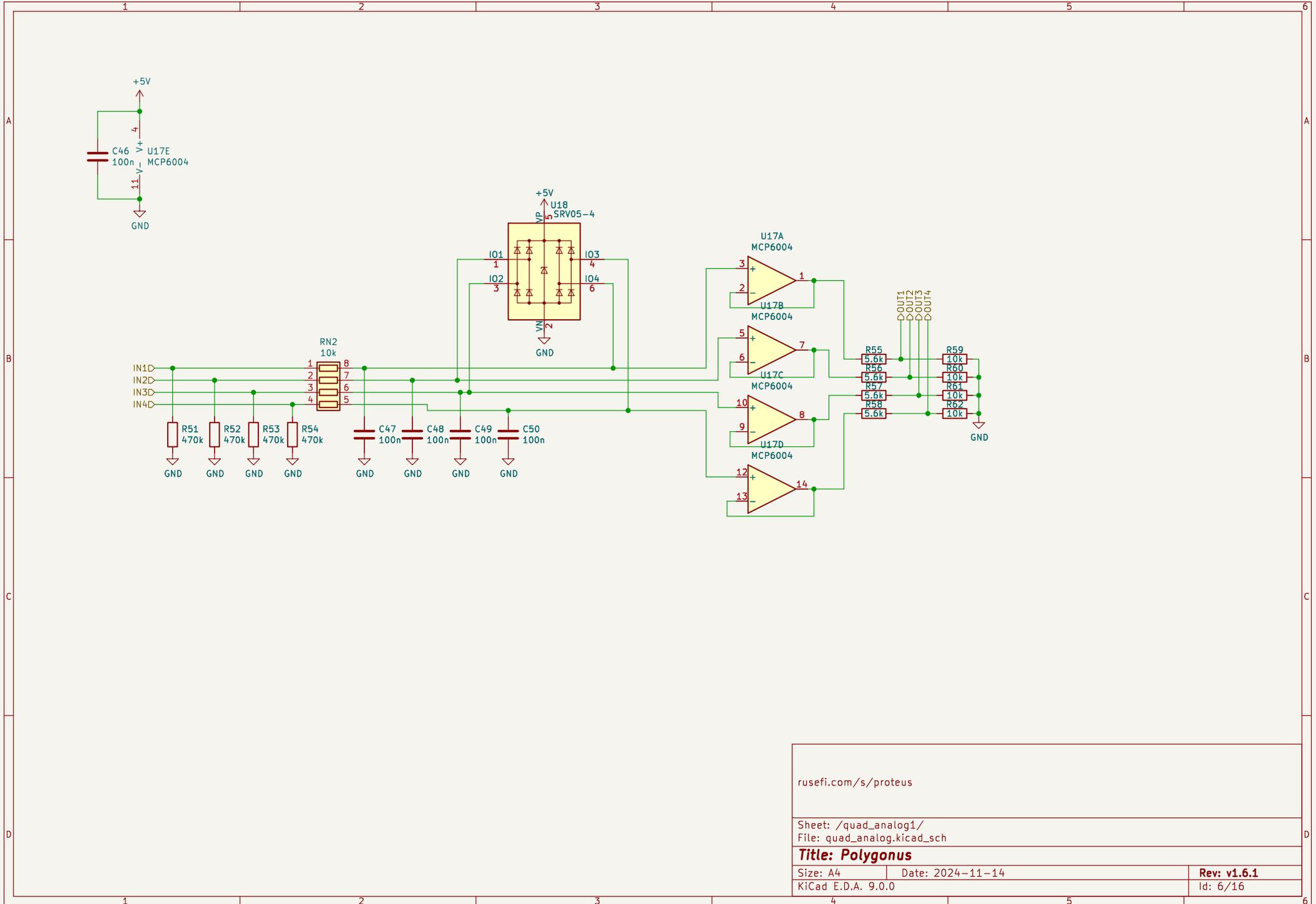
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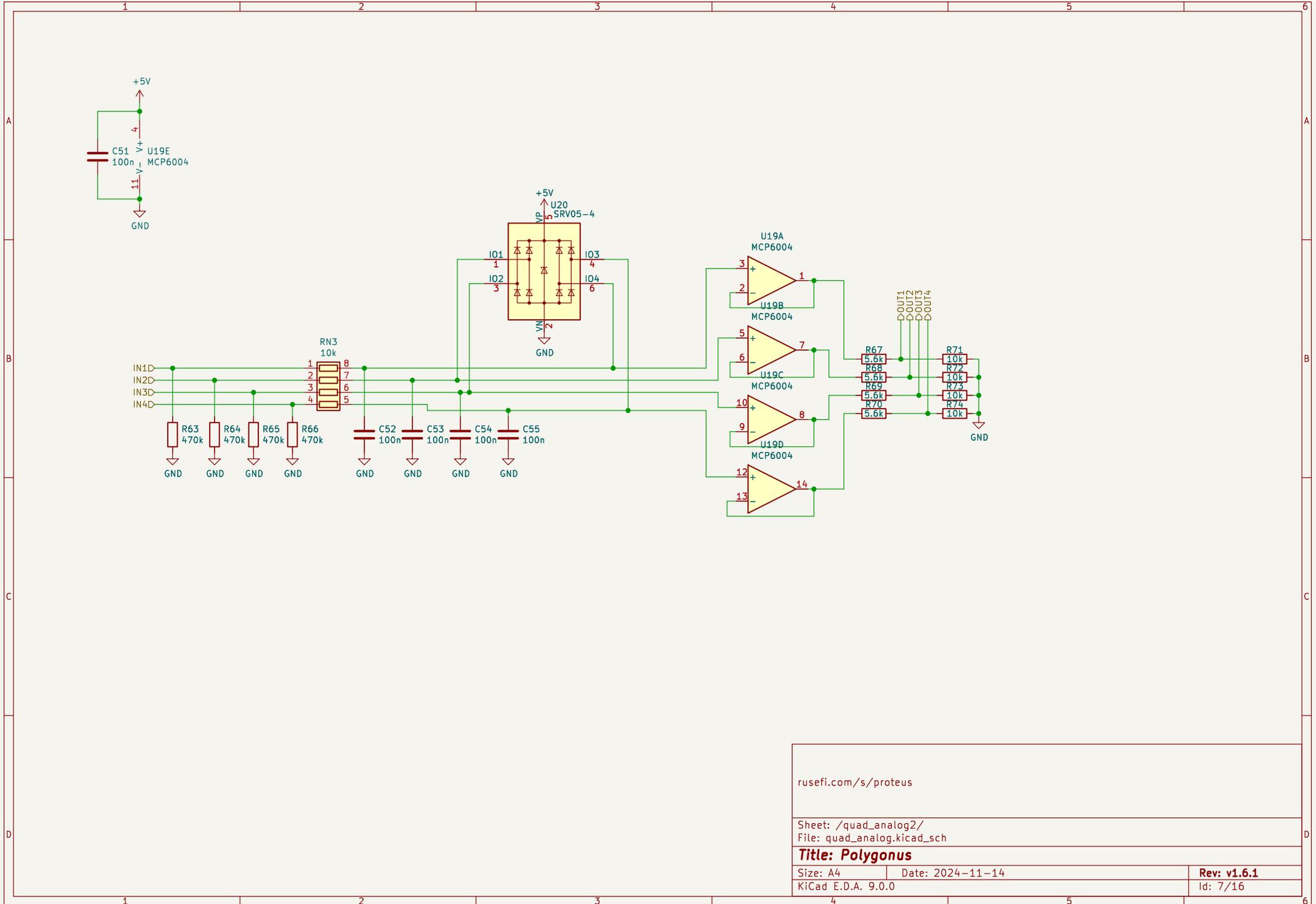
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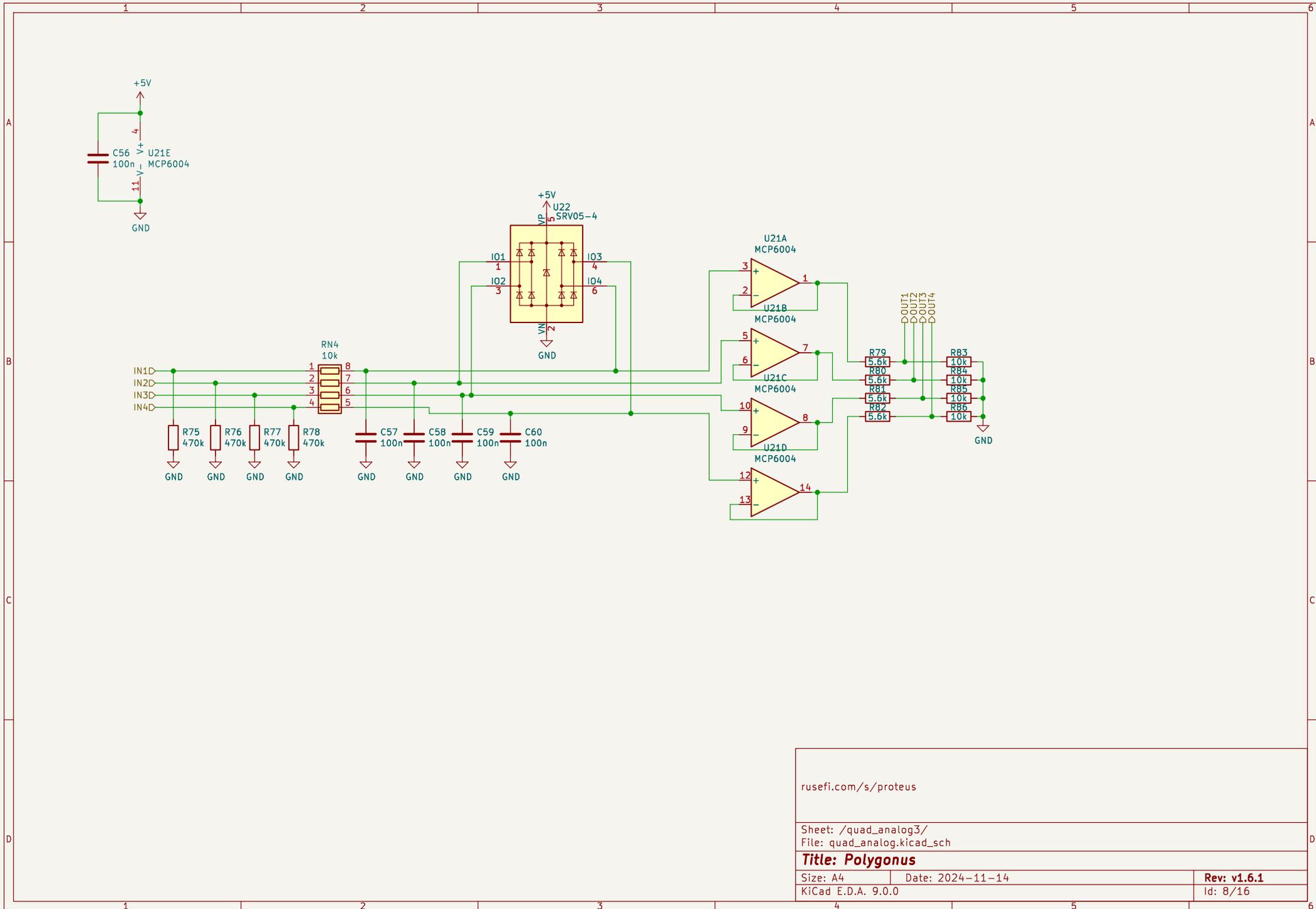
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Rev: v1.6.1
Id: 7/16



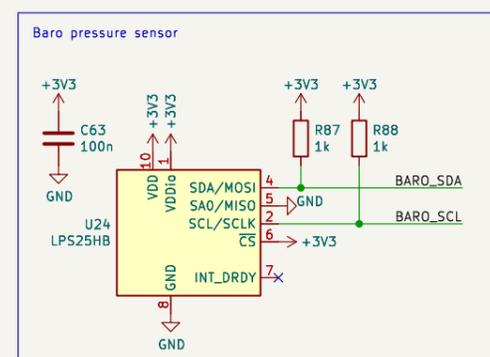
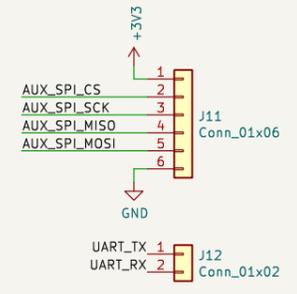
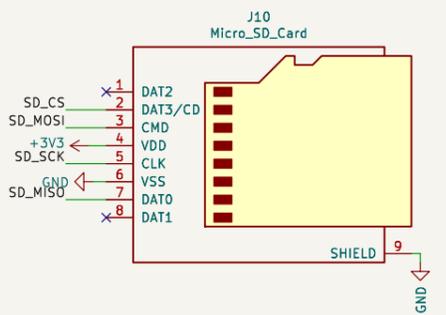
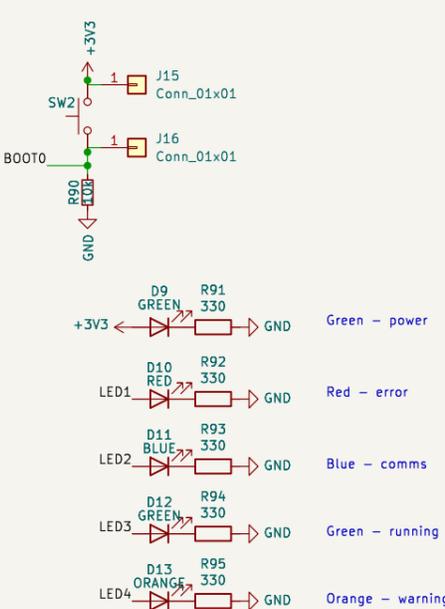
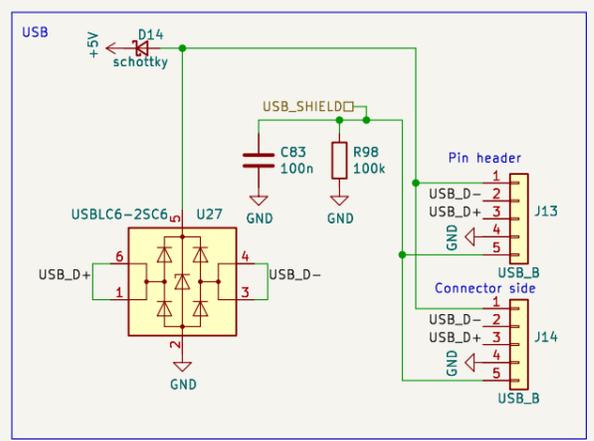
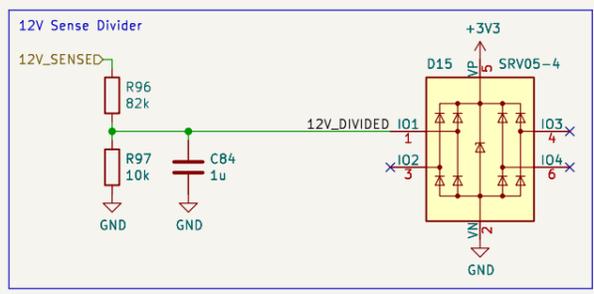
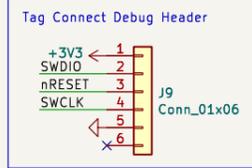
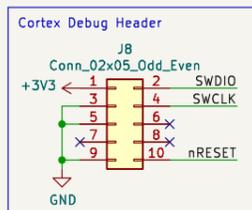
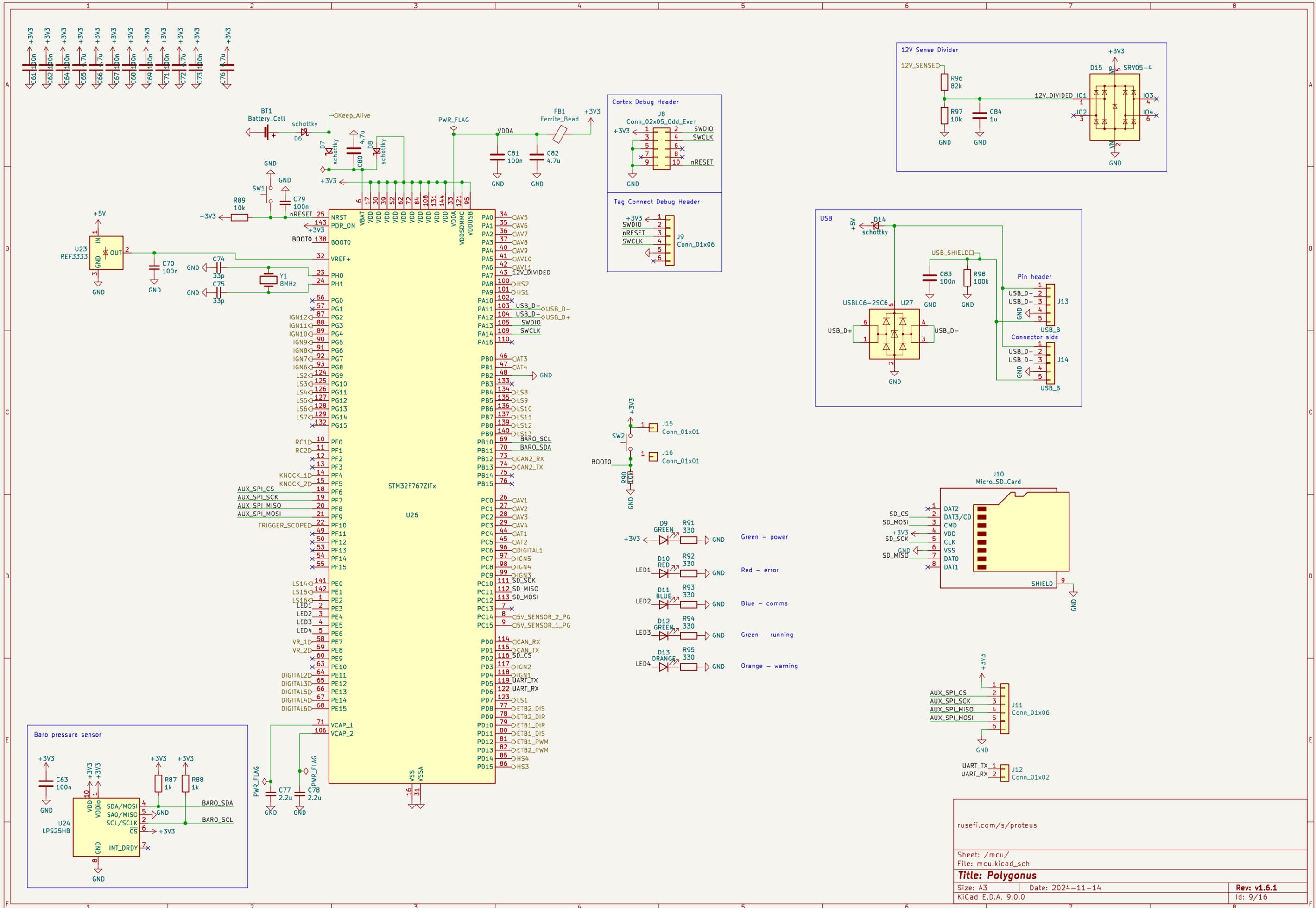
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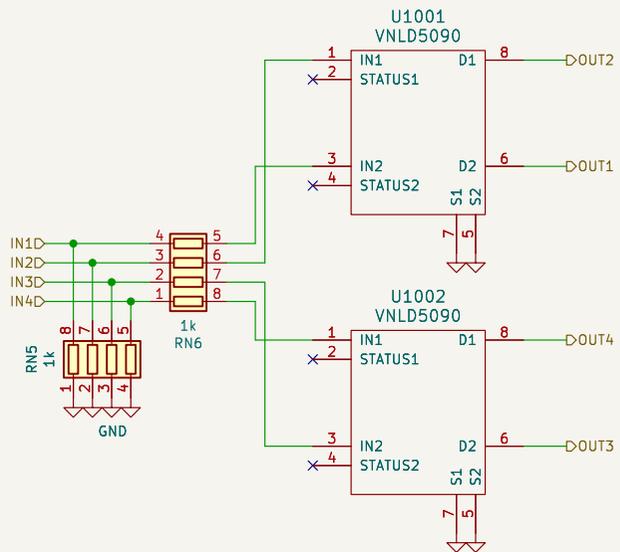
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Rev: v1.6.1
 Id: 8/16





Locate output caps near connector pin

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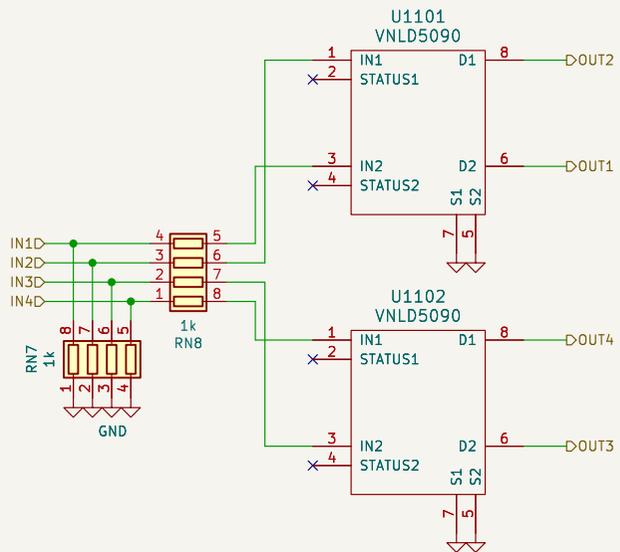
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Rev: v1.6.1

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Id: 10/16



Locate output caps near connector pin

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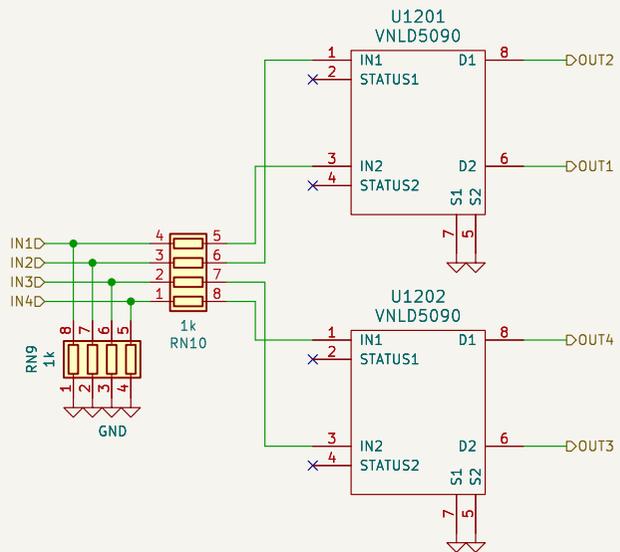
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Rev: v1.6.1

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Id: 11/16



Locate output caps near connector pin

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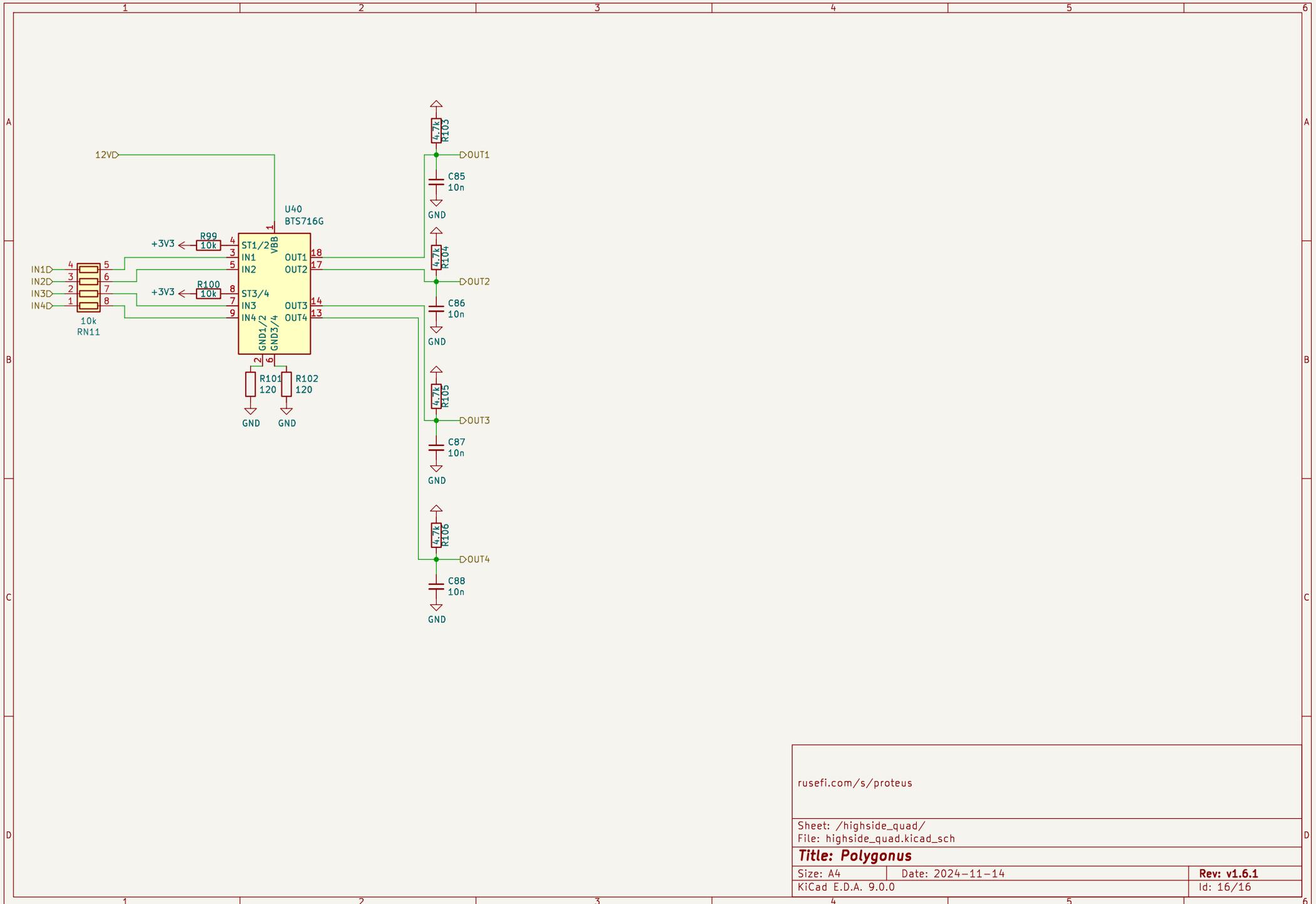
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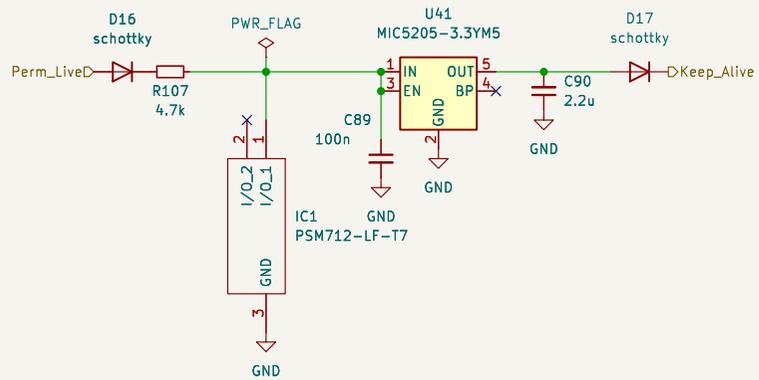
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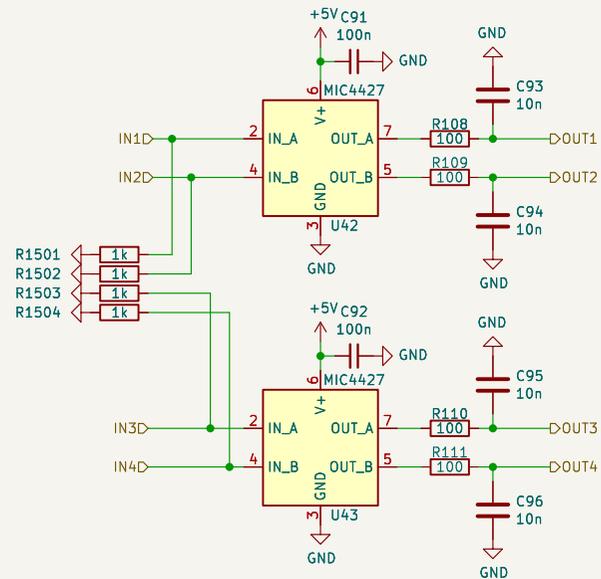
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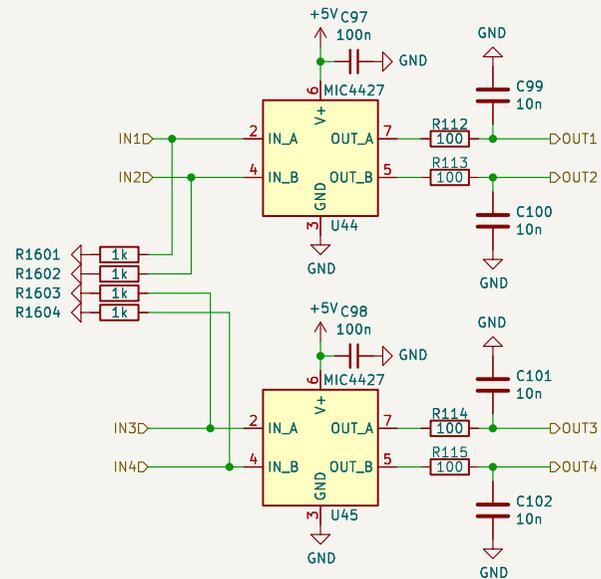
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Rev: v1.6.1
Id: 17/16



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Rev: v1.6.1

Id: 18/16