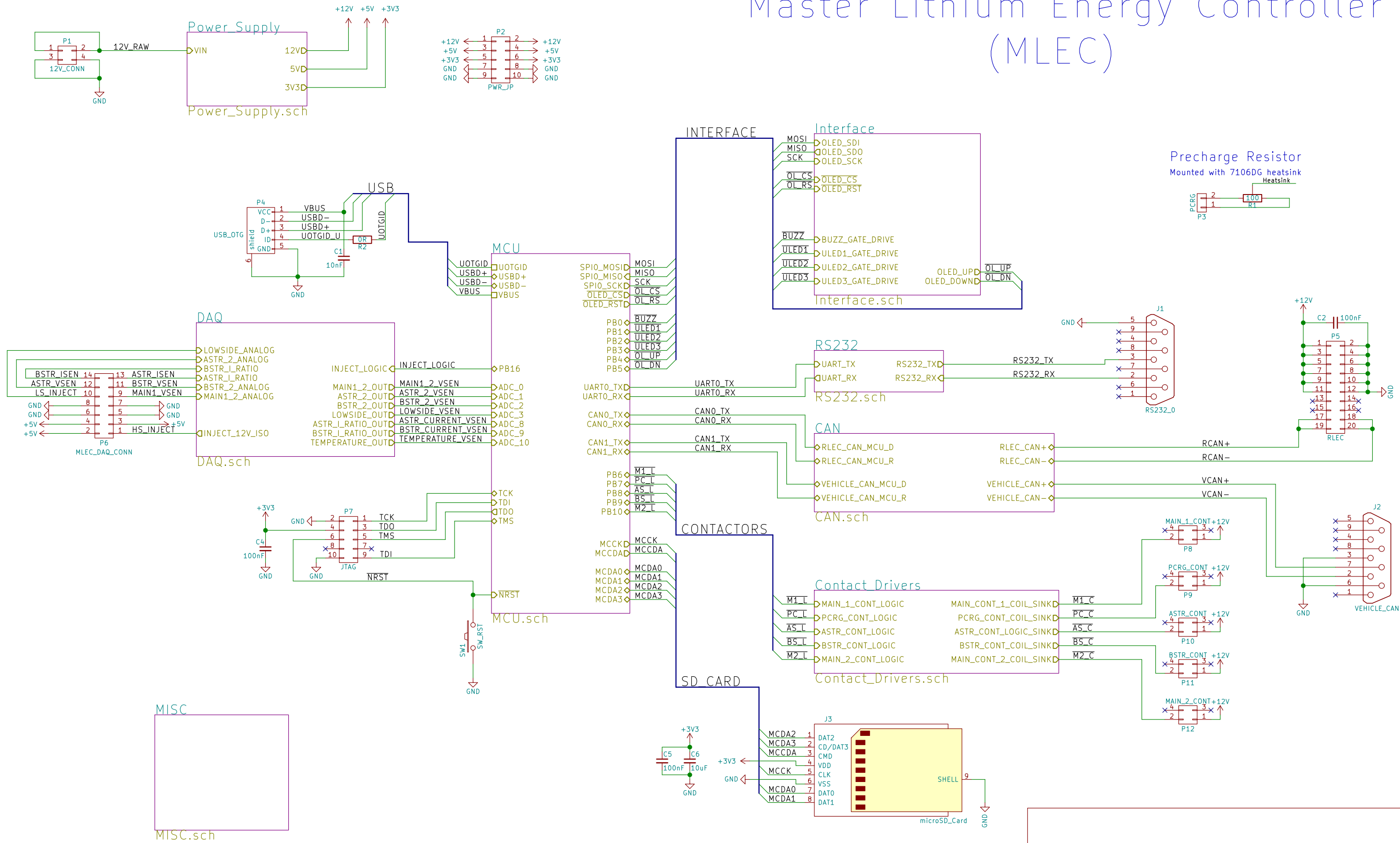
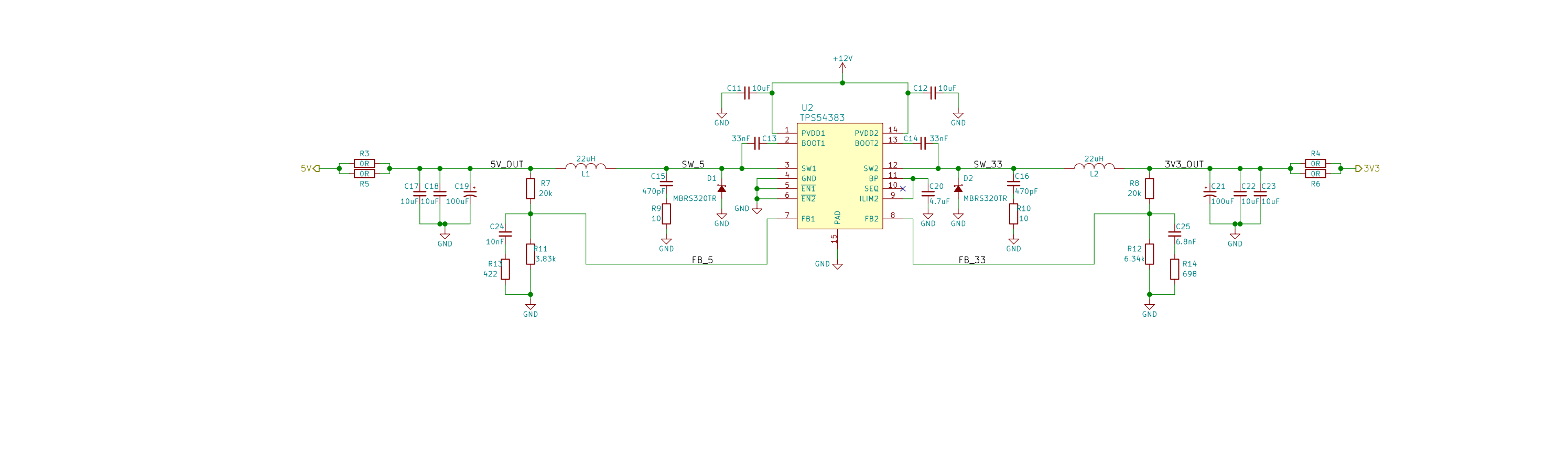


Master Lithium Energy Controller (MLEC)



Power Supply

The circuit schematic shows a power supply starting with an input labeled '12V_RAW'. This input is connected to a 100nF capacitor (C10) which is grounded. The signal then passes through a diode bridge rectifier (U1, RB040-40G) to ground. The output of the rectifier is connected to a series of capacitors: 470uF (C7), 470uF (C8), 100nF (C9), 10uF (C85), 10uF (C87), and 100nF (C86) to ground. The final output is labeled '+12V'.



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Sheet: /Power_Supply/

File: Power_Supply.sch

Title:

Size: A3

Date: 2016-04-12

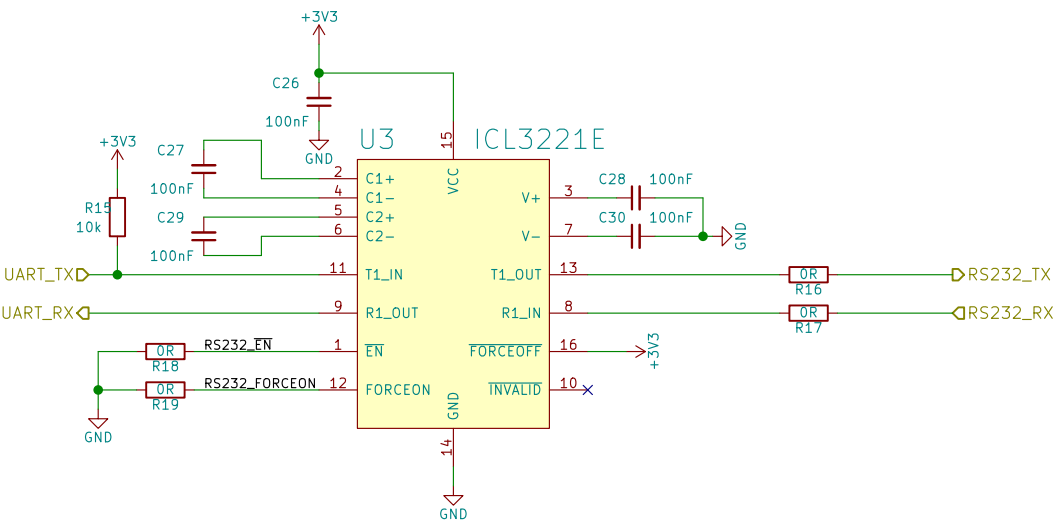
Rev: 0.0

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kicad 4.0.2-stable

Id: 2/9

RS-232 Driver

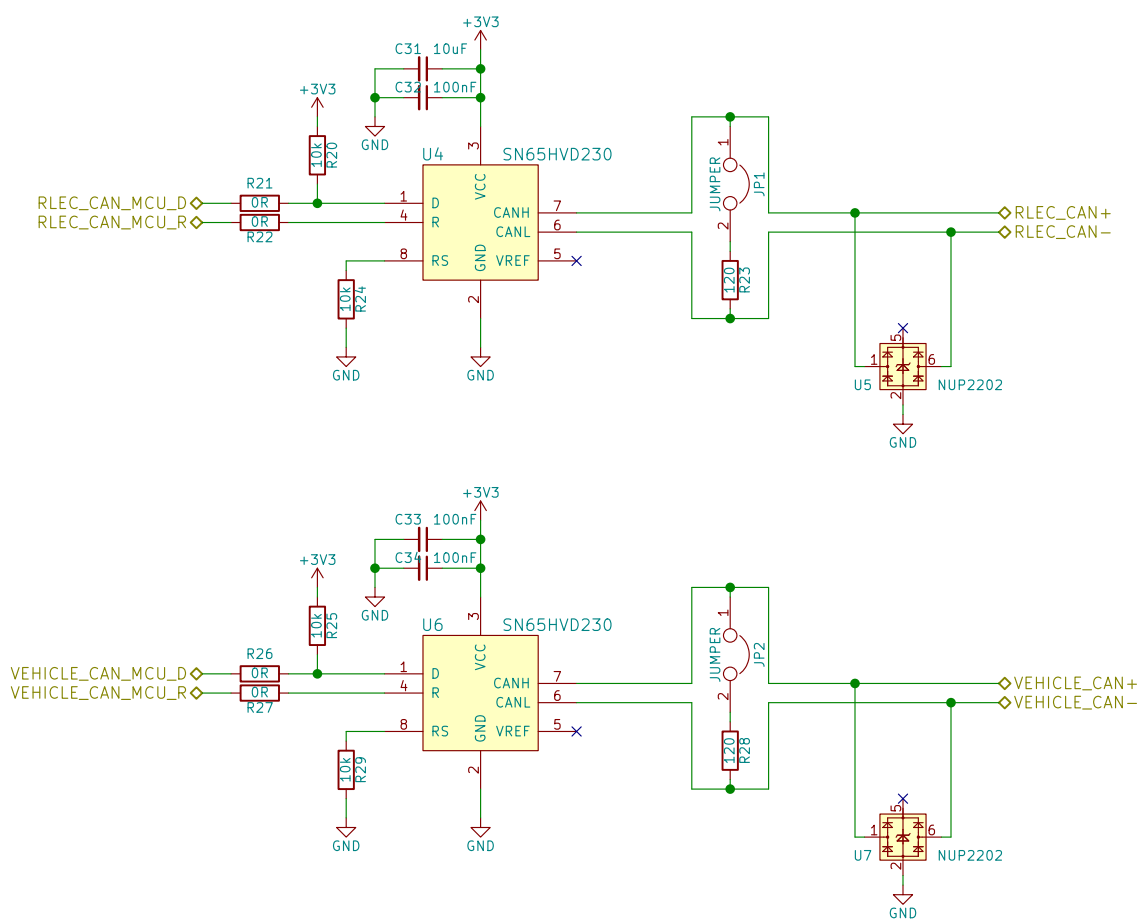


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CAN

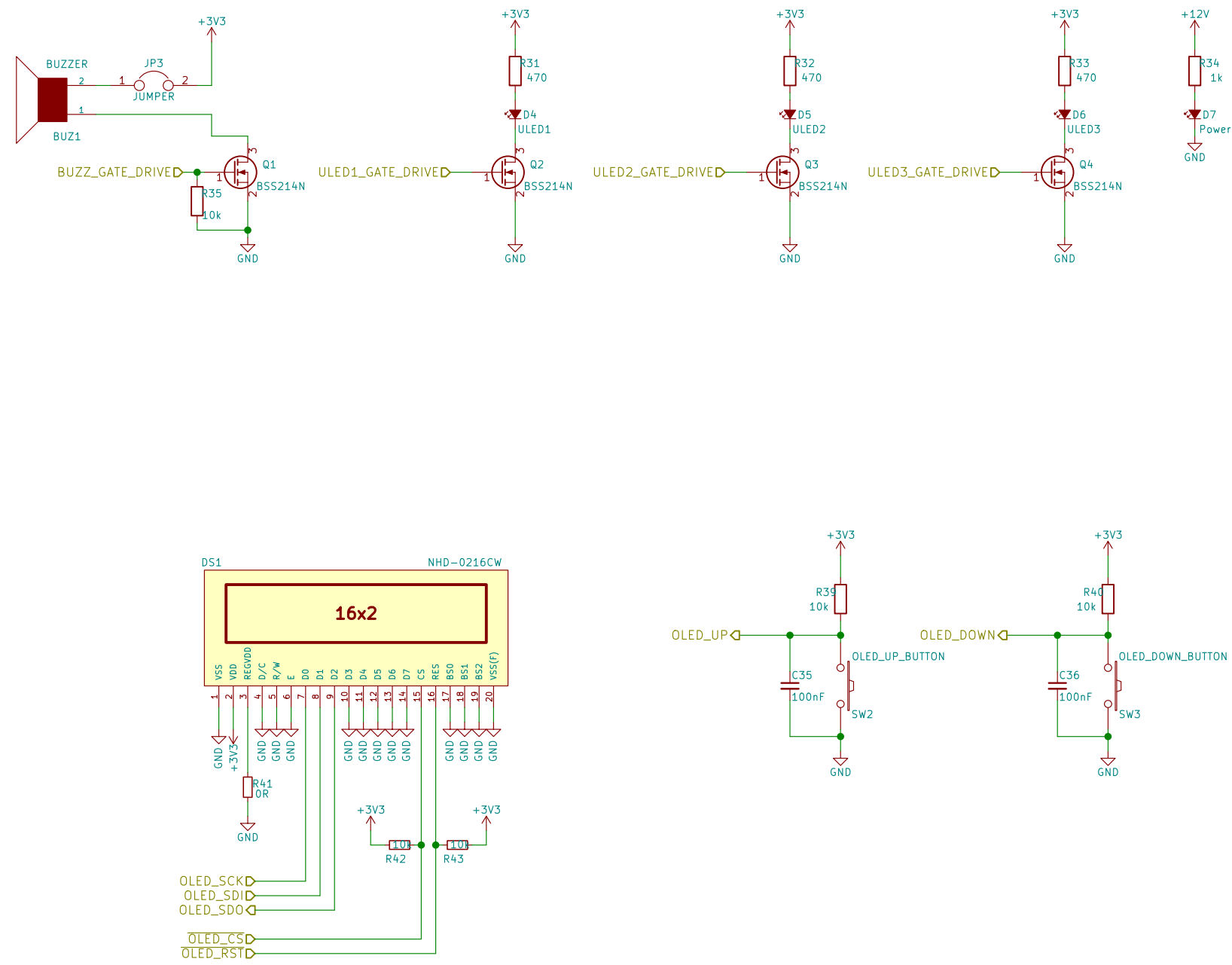
Designed for 500kbit/s ISO 11898-2



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Human Interface

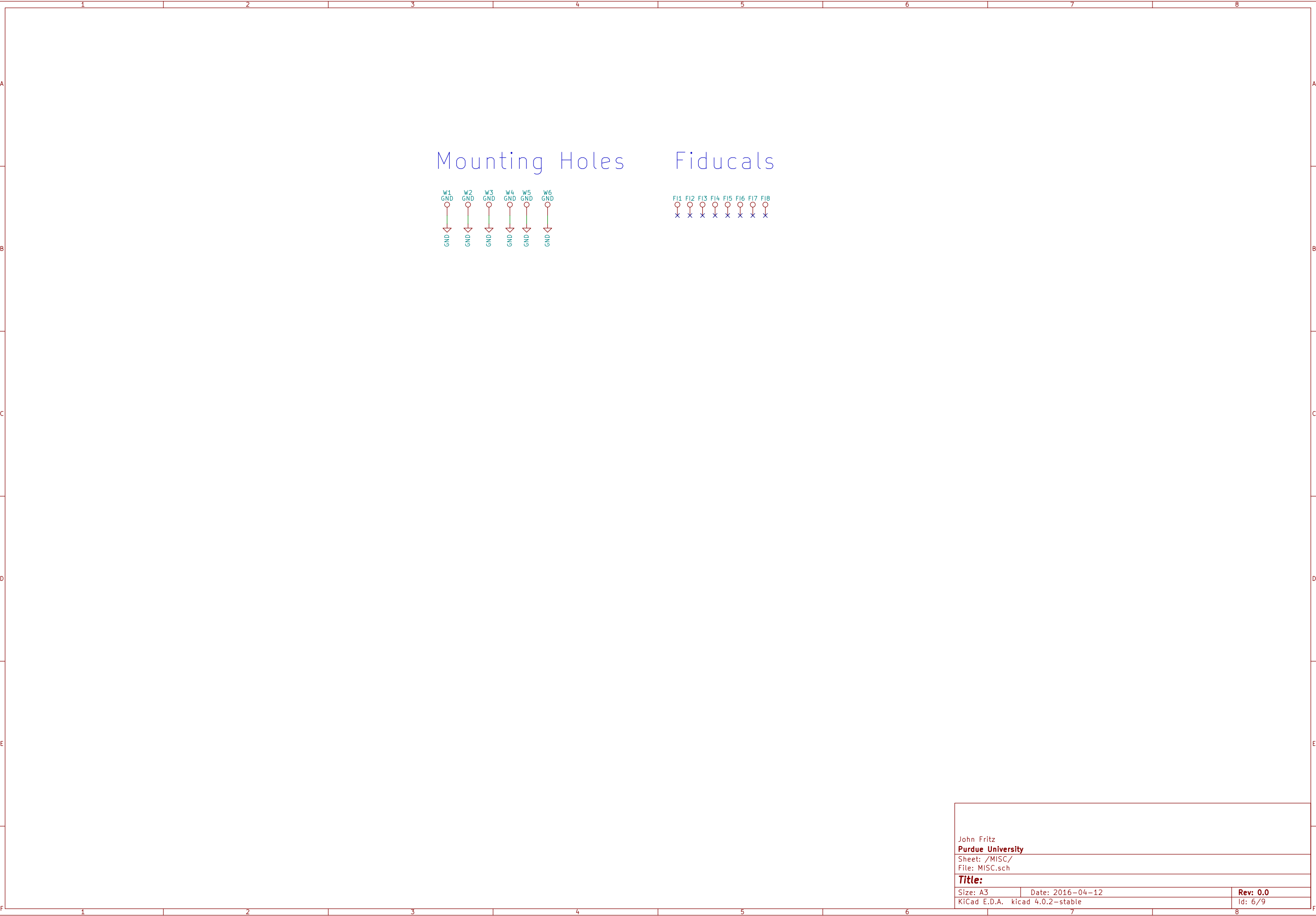


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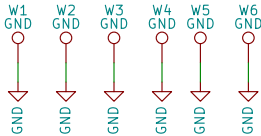
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Rev: 0.0
Id: 5/9



Mounting Holes



Fiducals

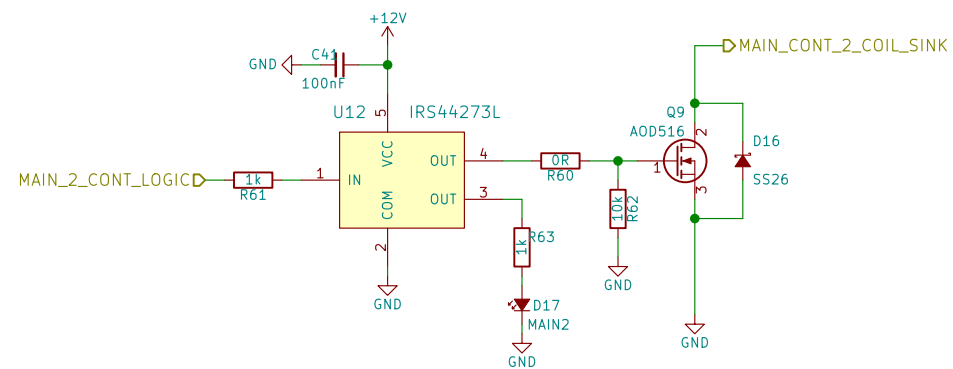
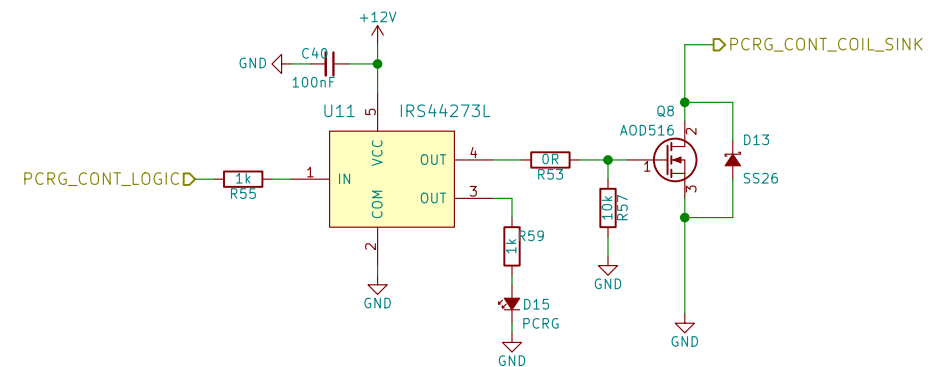
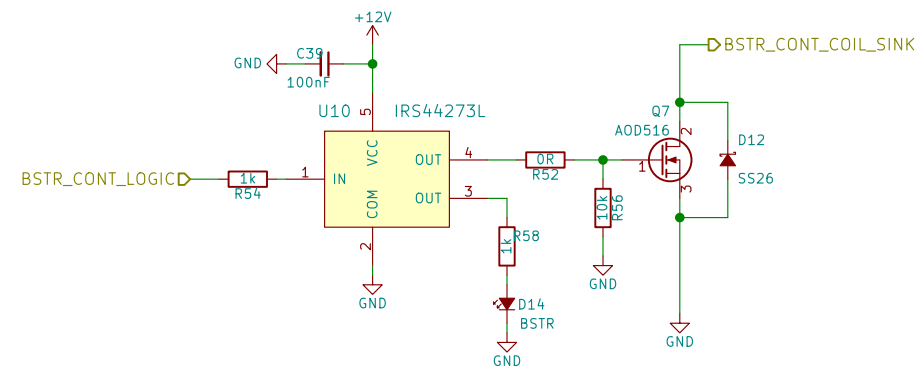
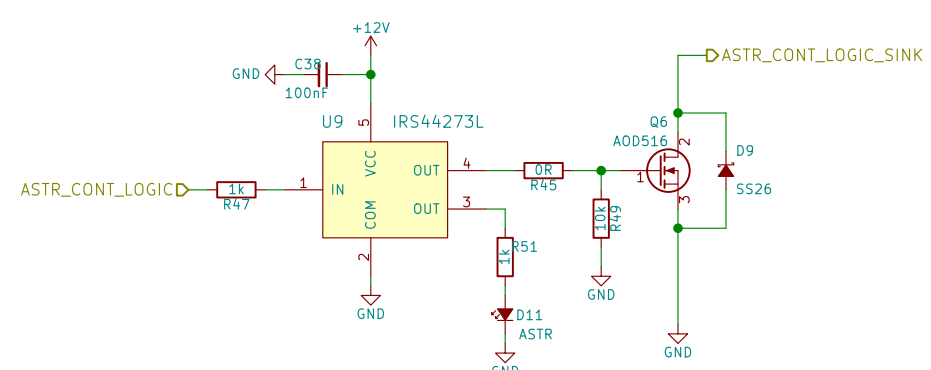
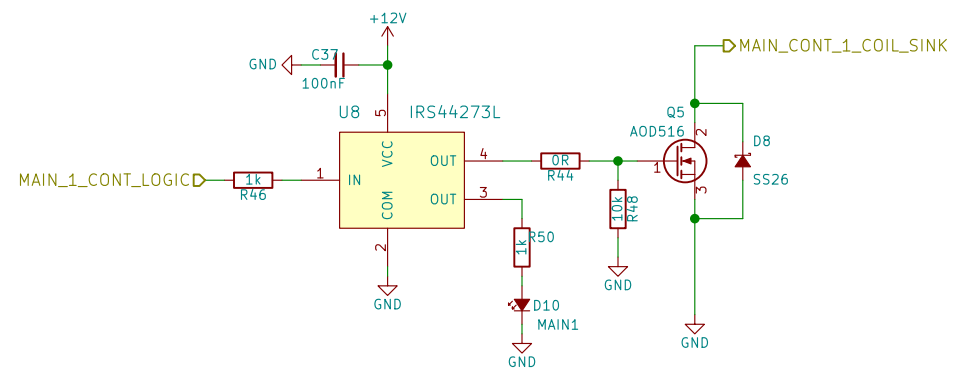


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Contact Drivers



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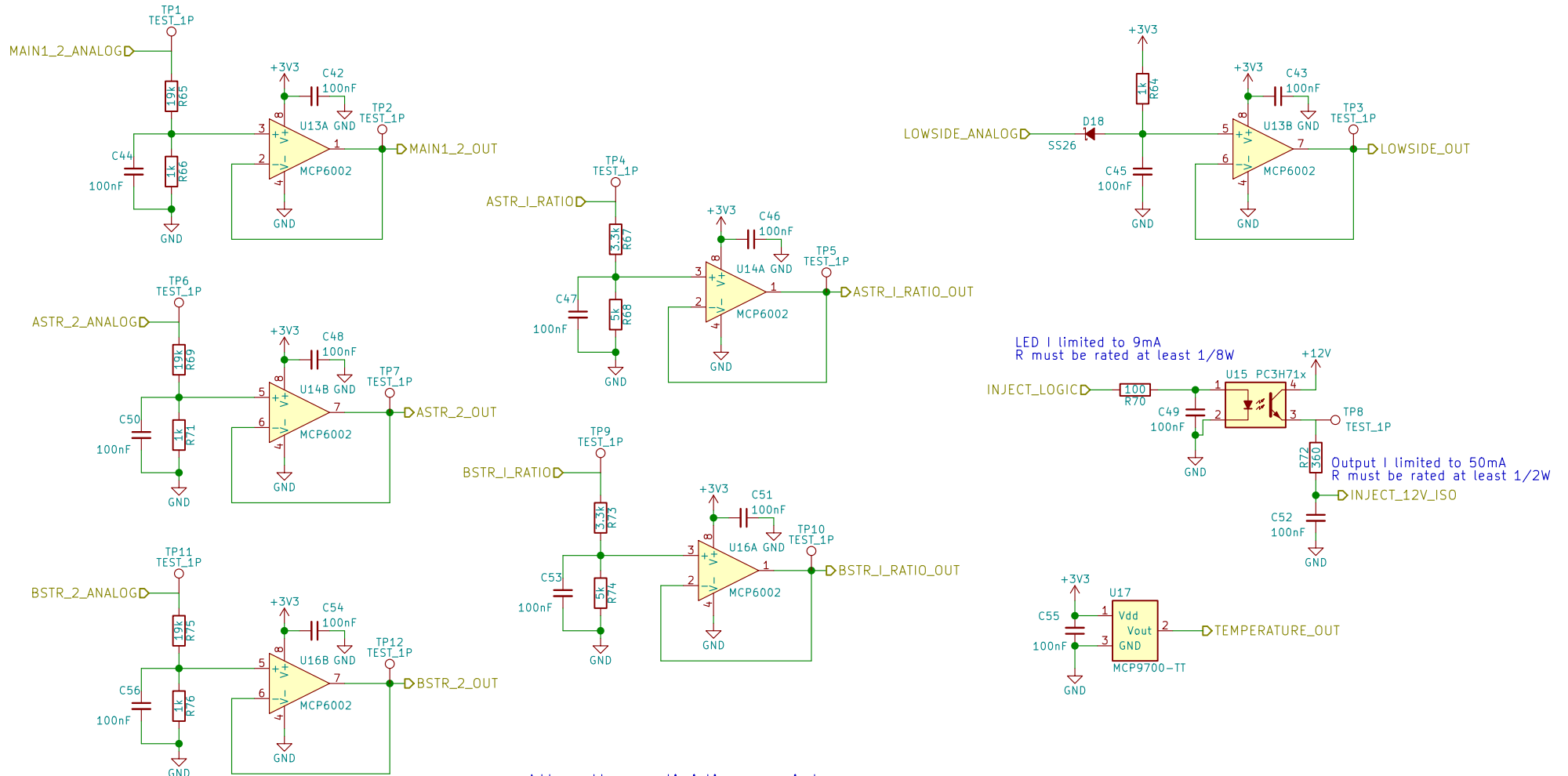
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Rev: 0.0

Size: A3	Date: 2016-04
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Id: 7/9

DATA ACQUISITION



All voltage dividing resistors
must have tolerance $\leq 1\%$

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Sheet: /DAQ/
File: DAQ.sch

Title:

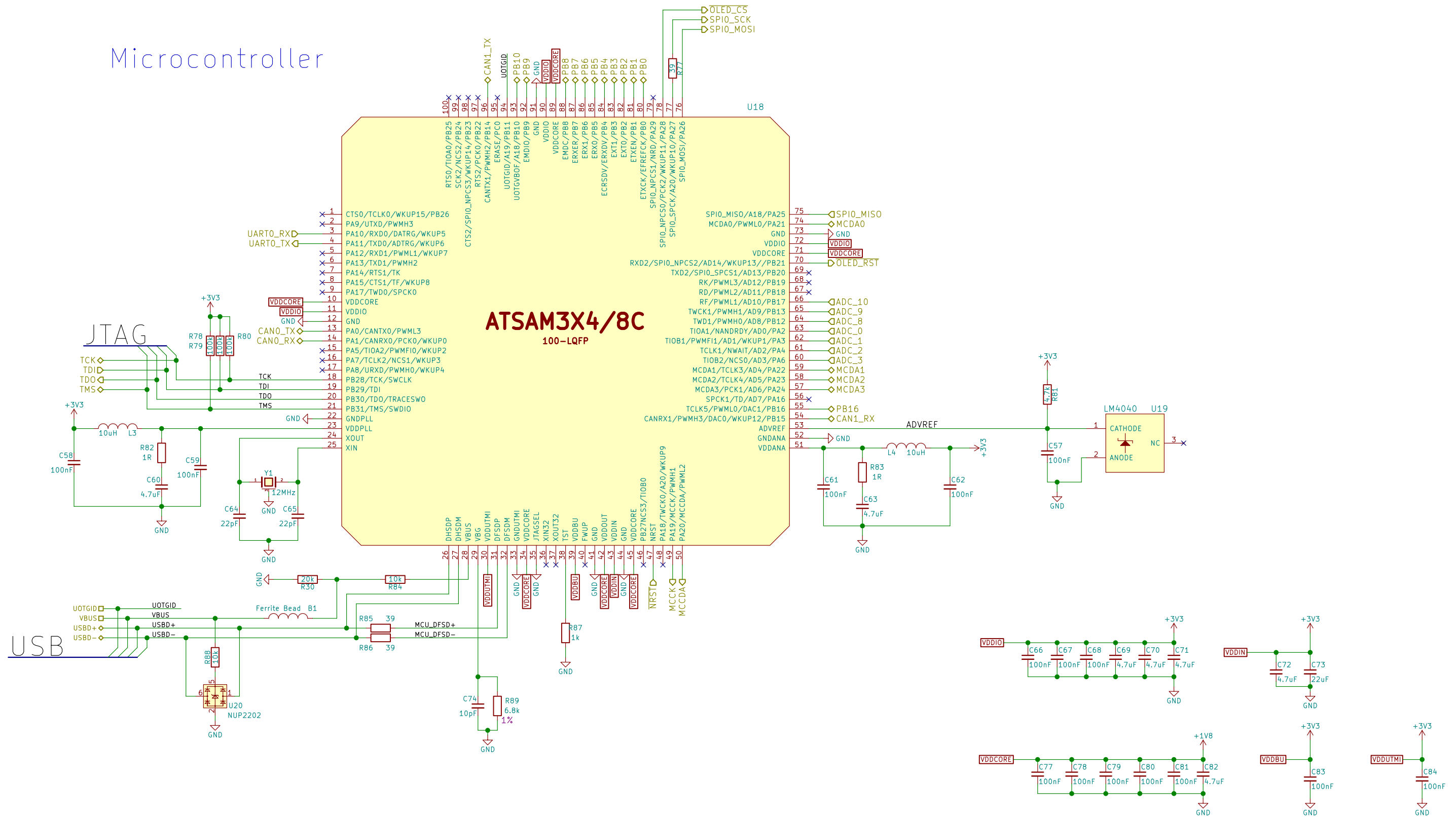
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KiCad E.D.A. kicad 4.0.2-stable

Rev: 0.1

Id: 8/9

Microcontroller



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File: MCU.sch

Title:

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Rev: 0.0
Id: 9/9