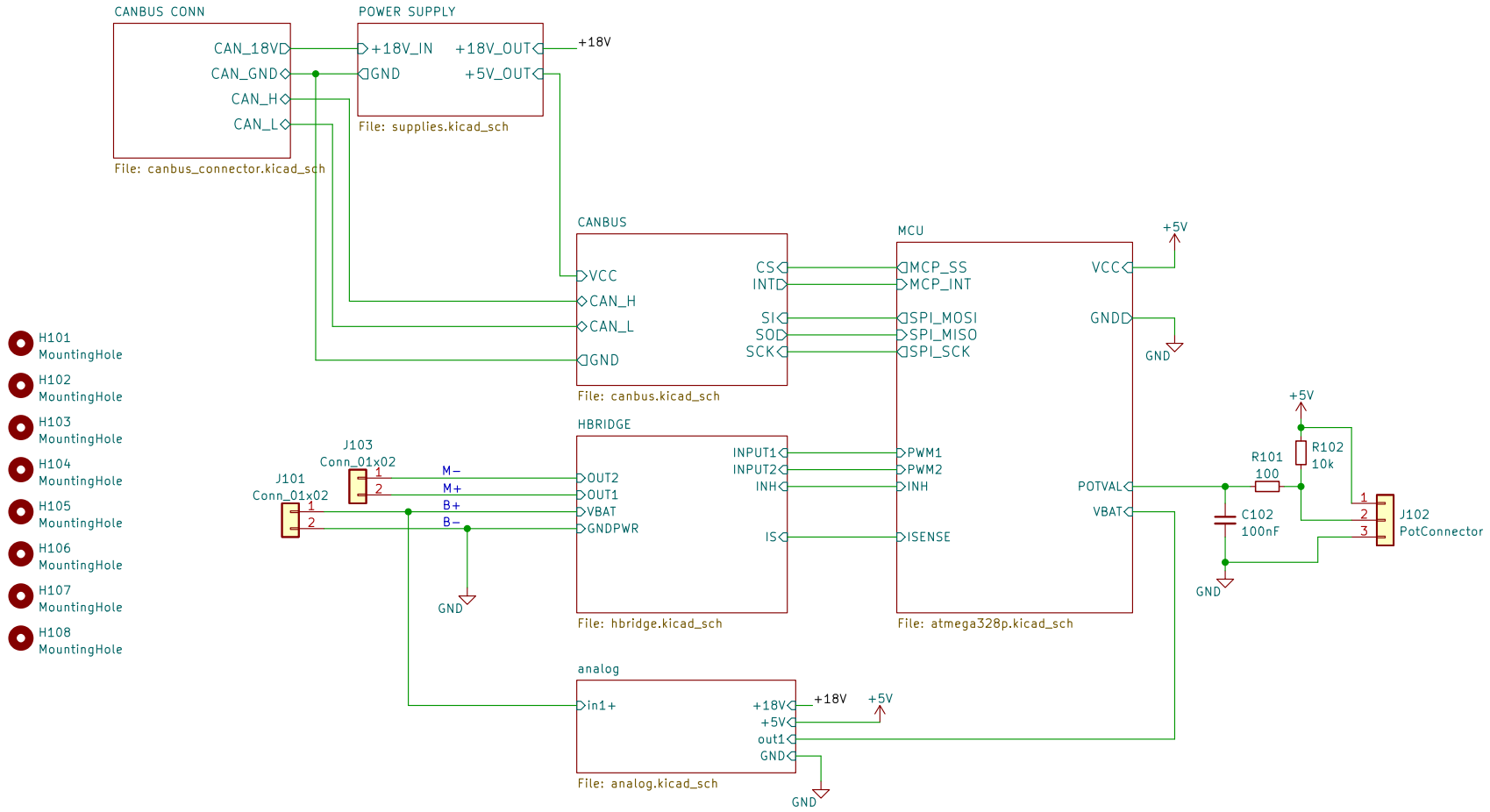

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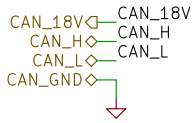

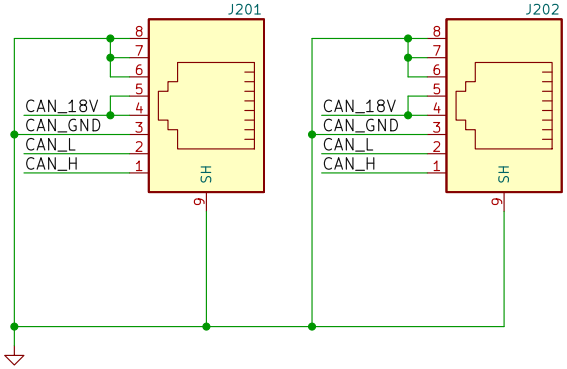

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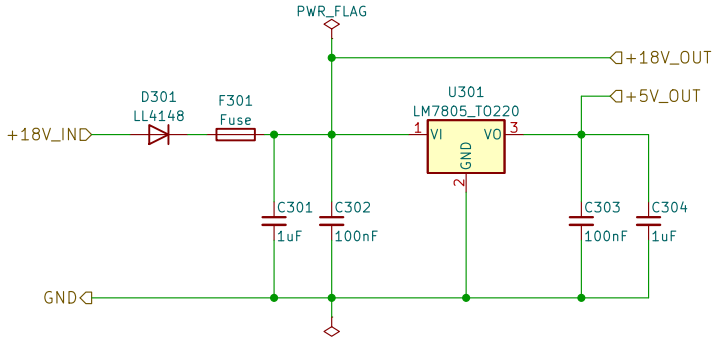

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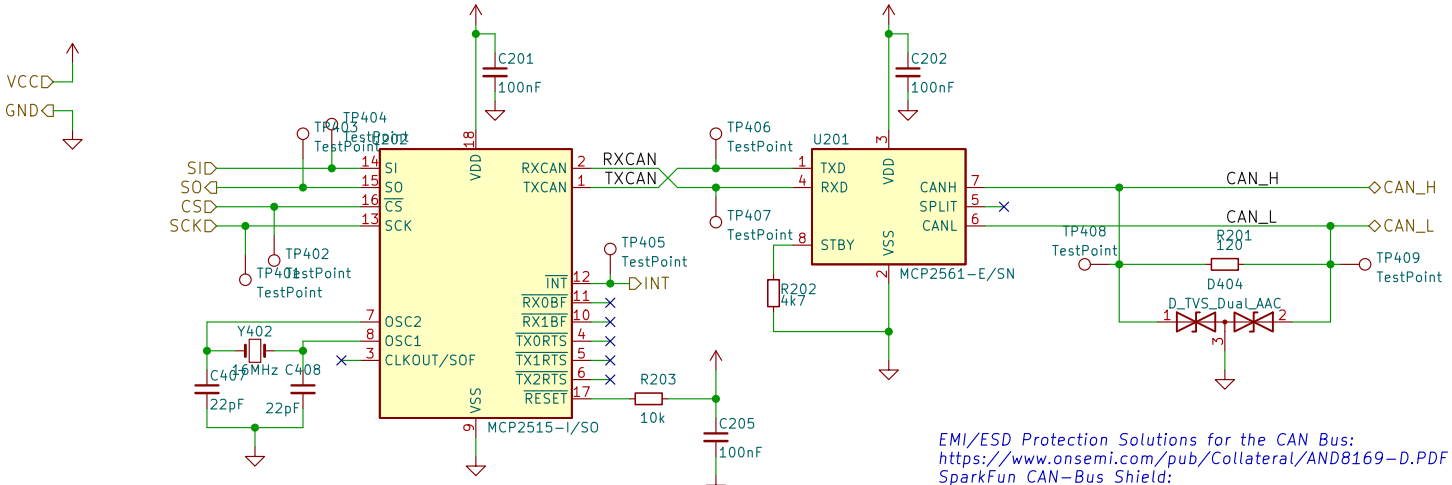

EMI/ESD Protection Solutions for the CAN Bus:
https://www.onsemi.com/pub/Collateral/AND8169-D.PDF
SparkFun CAN-Bus Shield:
https://cdn.sparkfun.com/datasheets/Dev/Arduino/Shields/SparkFun_CAN-Bus_Shield_v13a.pdf

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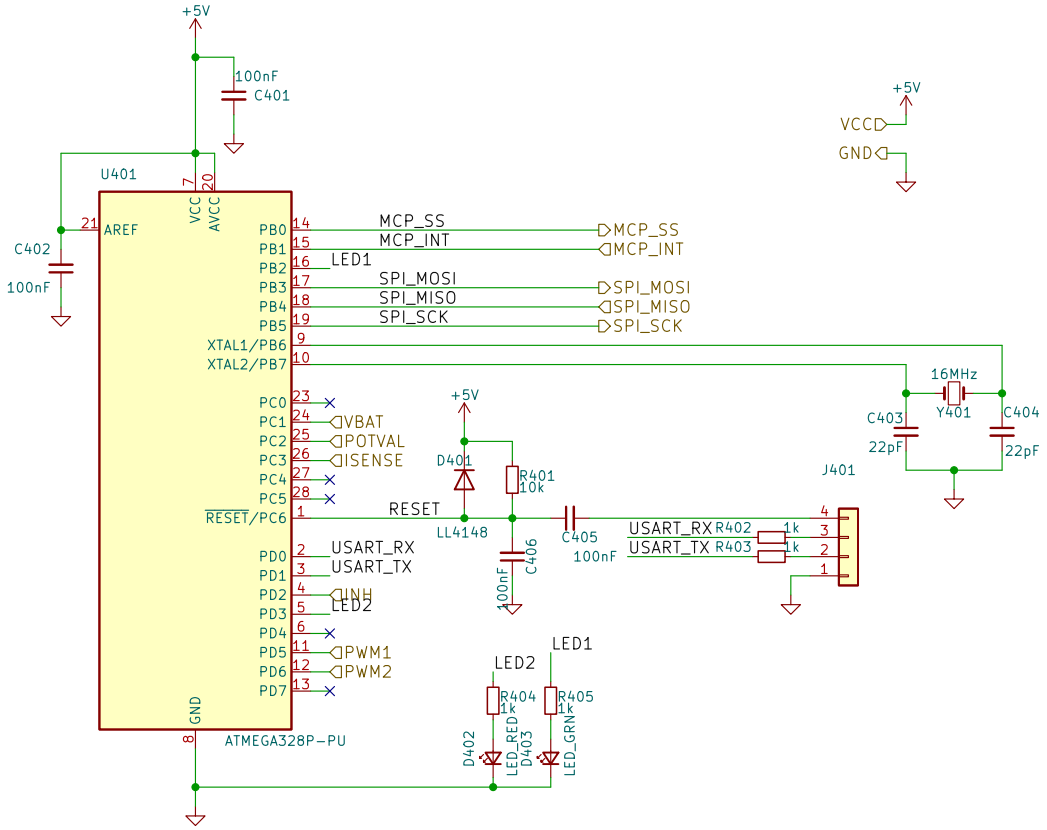

http://ww1.microchip.com/downloads/en/appnotes/atmel-2521-avr-hardware-design-considerations_applicationnote_avr042.pdf

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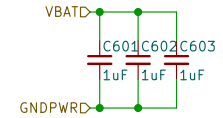

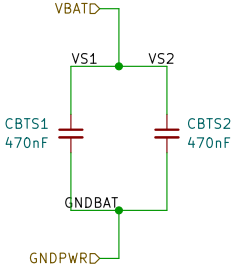

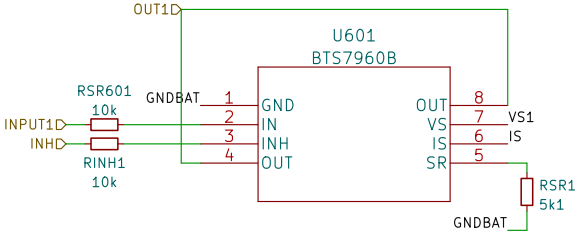

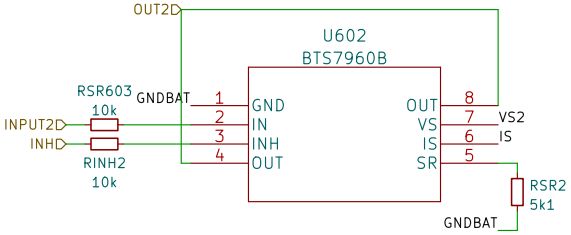

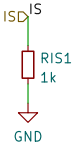

This measures current on the high side switch, that way
a single resistor and single measure can be used to
determine the application's total comsumption

'IS' pin resistor should be R=1kΩ for full range, that being
43A -> 5,06V {RIS1}

Verify 4.4.4 at
https://pdf1.alldatasheet.com/datasheet-pdf/view/152657/INFINEON/BTS7960.html

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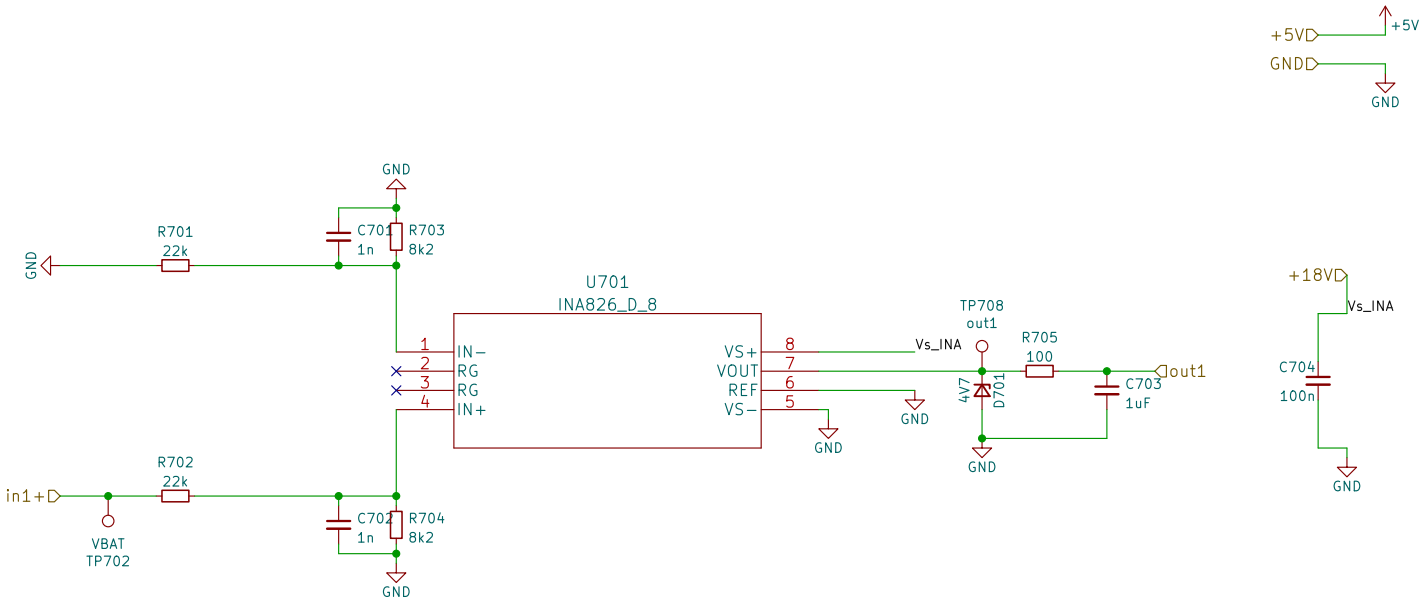

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