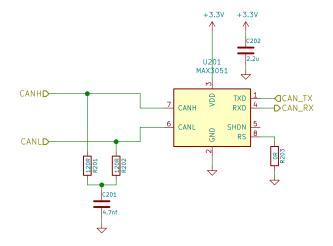


Syncronous Buck in: 5-18V out: 3.3V@400ma

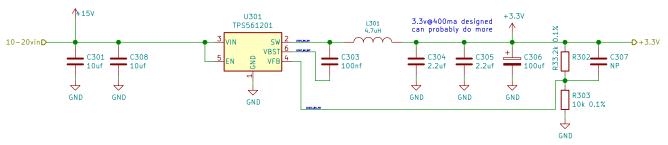
5v supply can trancievers are much more robust and cheaper (have higher transient tolerance on can lines)

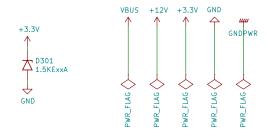
but really want to avoid extra 5v rail.

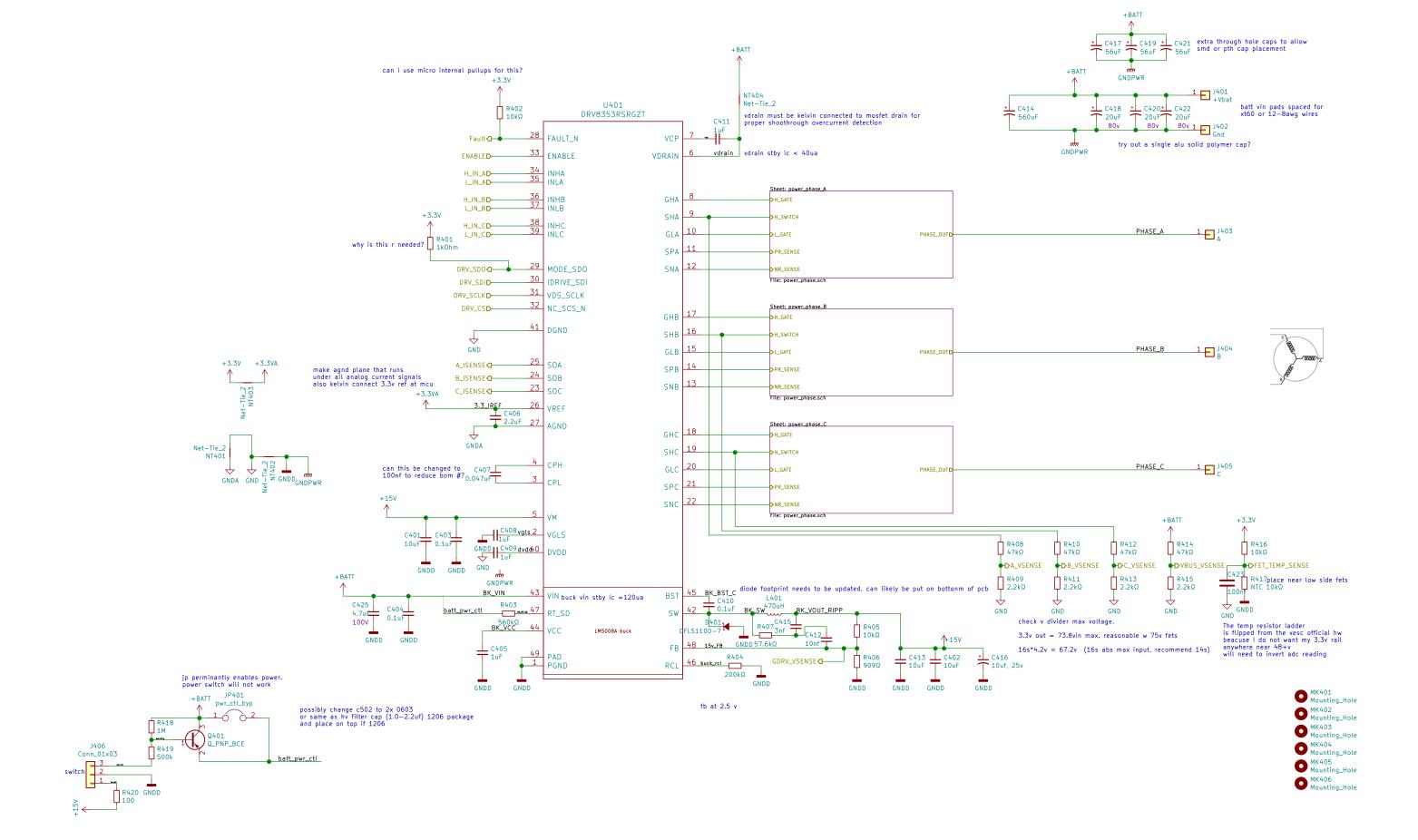
footprint also compatable with TI tcan332



inductor, 1.5mm high max

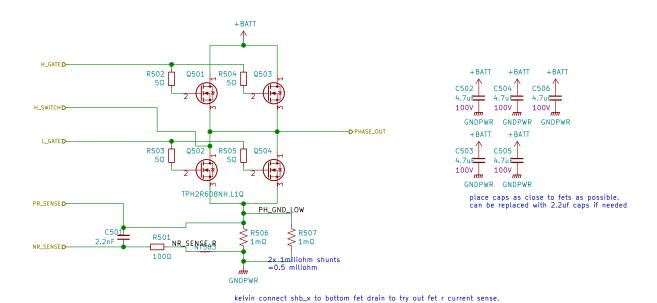






Mosfet replacements: TPW1R306PL, 60v, 1.29 m Ω , top cool TPH2R608NH, 75v, 2.60m Ω , bottom cool TPW2R508NH, 75v, 2.50 m Ω , top cool TPW4R50ANH, 100v, 3.7 m Ω , top cool

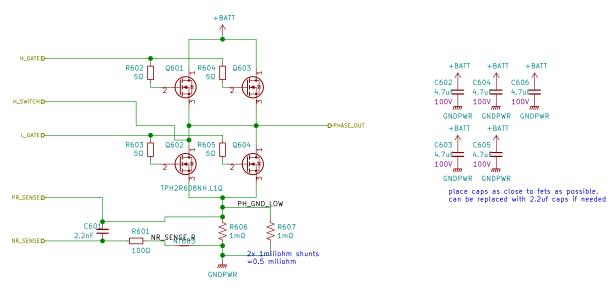
Gain: (recalcualte) 0.00015 * 20v/v = 3mv/A + -1.6v / 0.003 = 533A see google spreadsheet



put i sense filter resistor on snc_x to be able to disconnect it and connecto to fet as well.

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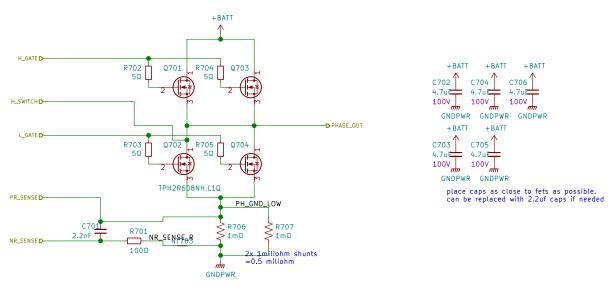
Gain: (recalcualte) 0.00015 * 20v/v = 3mv/A + -1.6v / 0.003 = 533A see google spreadsheet



kelvin connect shb_x to bottom fet drain to try out fet r current sense. put i sense filter resistor on snc_x to be able to disconnect it and connecto to fet as well.

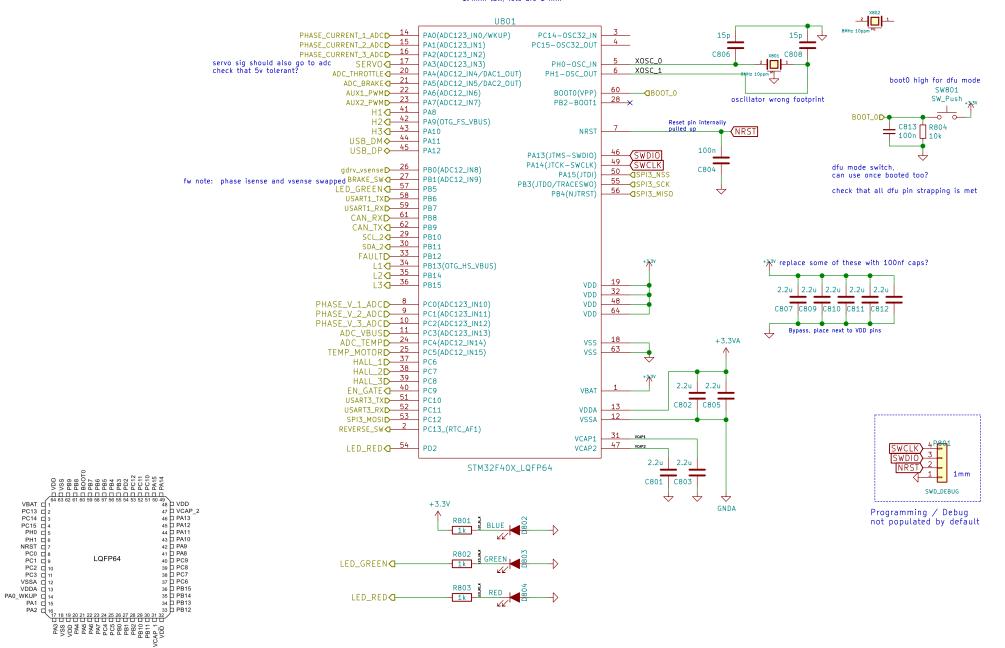
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kelvin connect shb_x to bottom fet drain to try out fet r current sense. put i sense filter resistor on snc_x to be able to disconnect it and connecto to fet as well.

draws 50-100ma from 3.3v 1.4mm tall, fets are 1 mm



bluetooth module won't fit on this design

 $\label{lem:http://www.wireless_module/BLE/WT51822-S4AT.html} http://www.wireless-tag.com/wireless_module/BLE/WT51822-S4AT.html or \end{substitute}$

