

+3.3V ↑

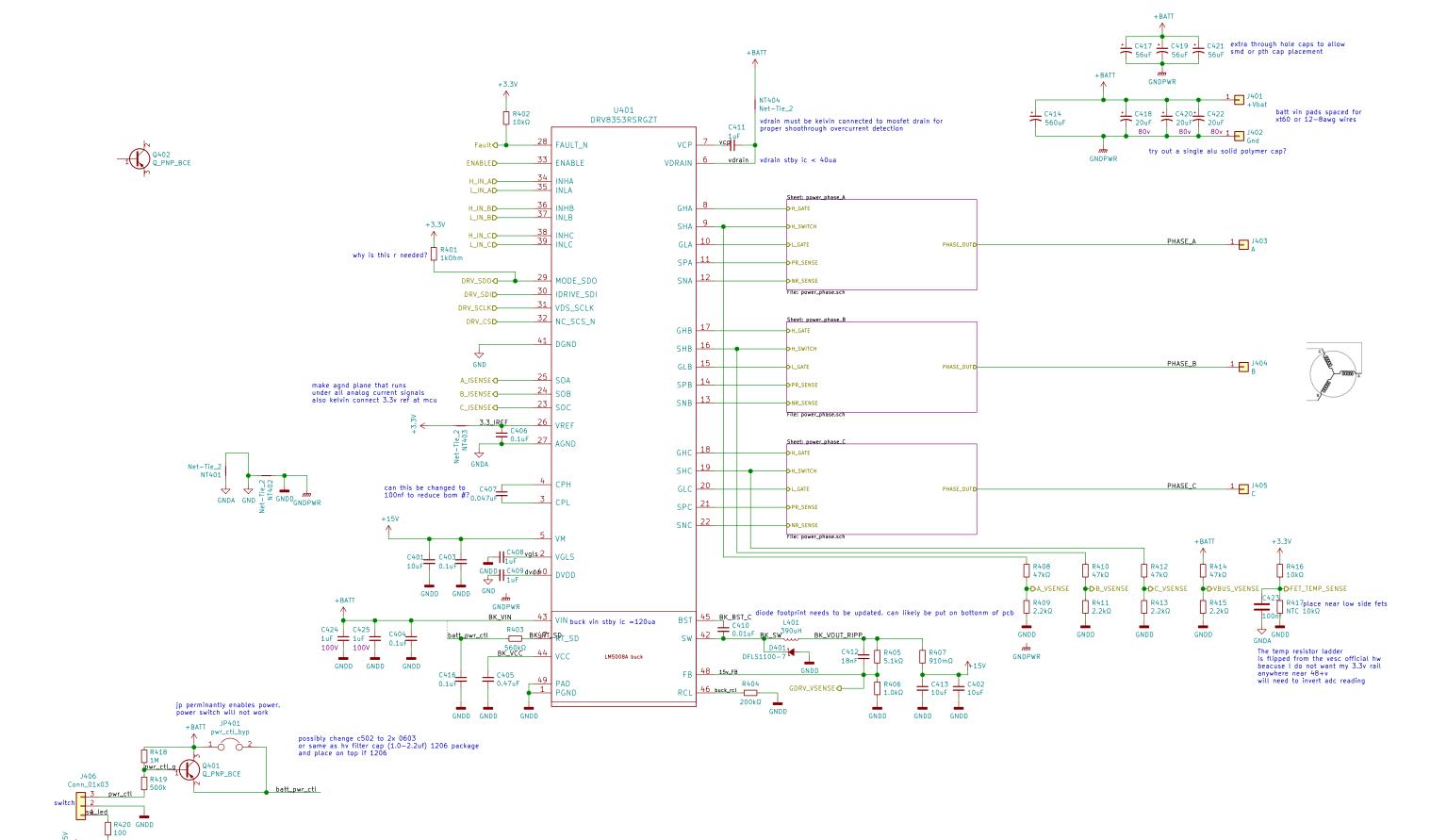
GND

D301 1.5KExxA VBUS +12V +3.3V GND

PWR_FLAG

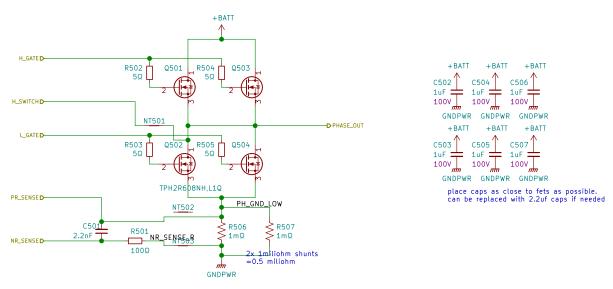
PWR_FLAG

GNDPWR



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

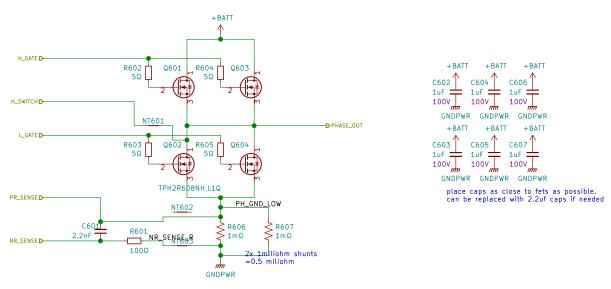
Gain: (recalcualte) 0.00015 * 20v/v = 3mv/A + -1.6v / 0.003 = 533A see google spreadsheet



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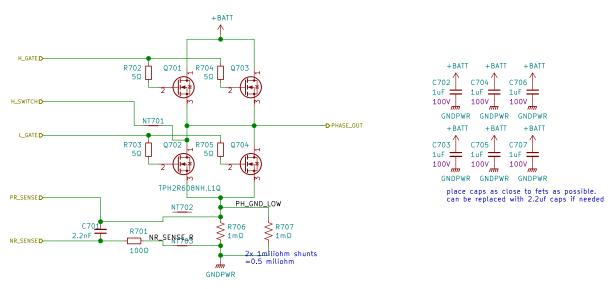
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draws 50-100ma from 3.3v 1.4mm tall, fets are 1 mm

LQFP64

45 PA12

44 D PA11

43 PA10 42 PA9 41 PA8 40 PC9

39 PC8

38 PC7 37 PC6

35 D PB14

PC13 = 2 PC14 = 3

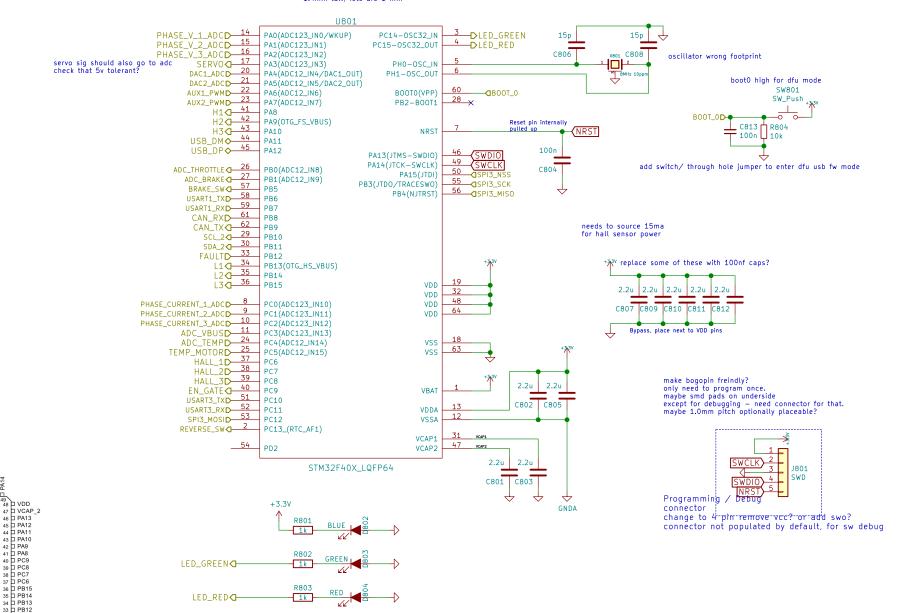
PH1 G 6 NRST G 7 PC0 G 8 PC1 G 9

PC2 10

PC3 | 11 VSSA | 12 VDDA | 13

PA1 7 15

PA0_WKUP 14

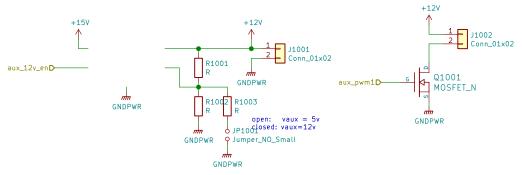


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DBLE_TX

₫BLE_RX





12v regulator should have a 100-200ma current limit

