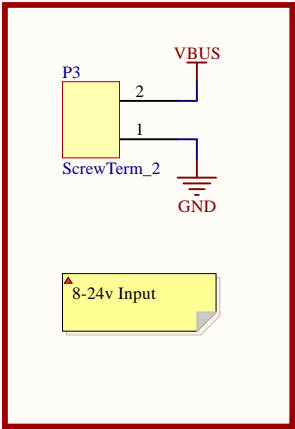
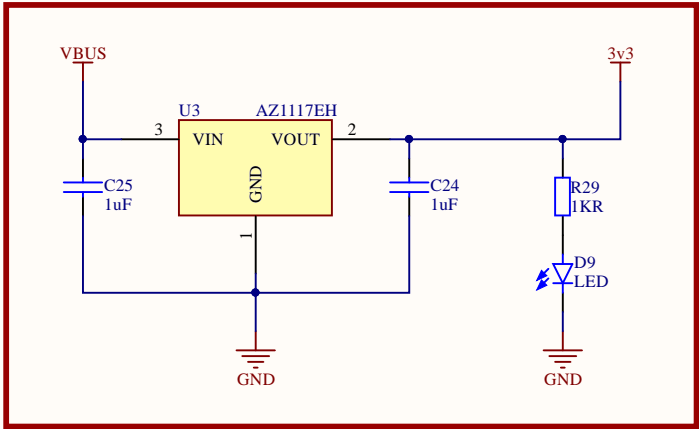


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Power Input



3v3 Regulator

Main power input with reverse polarity protection  
up to X volts.

Fused to x amperes.

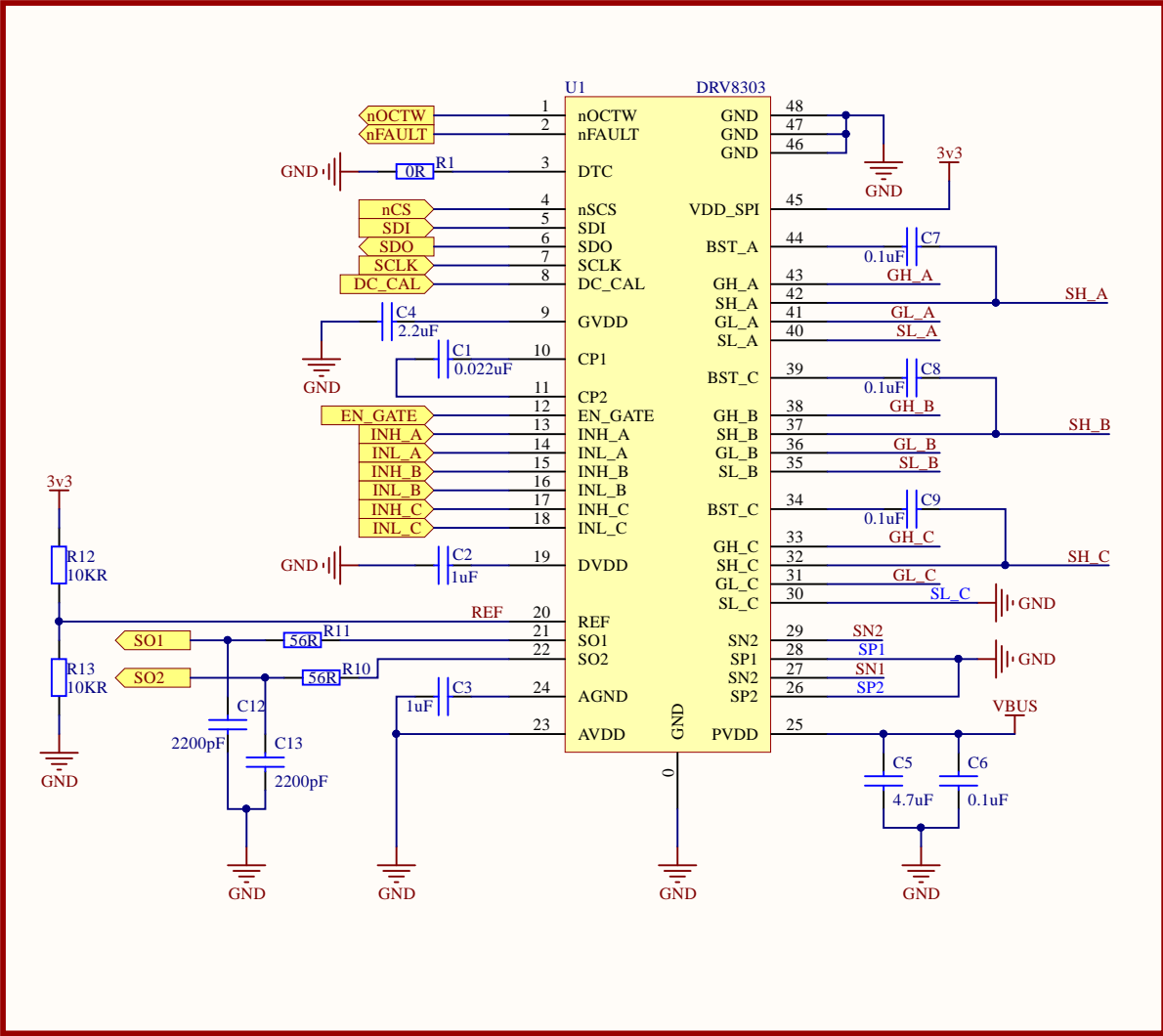
Crowbar??? (over current protection).  
Over voltage protection???

Inrush current ramping???

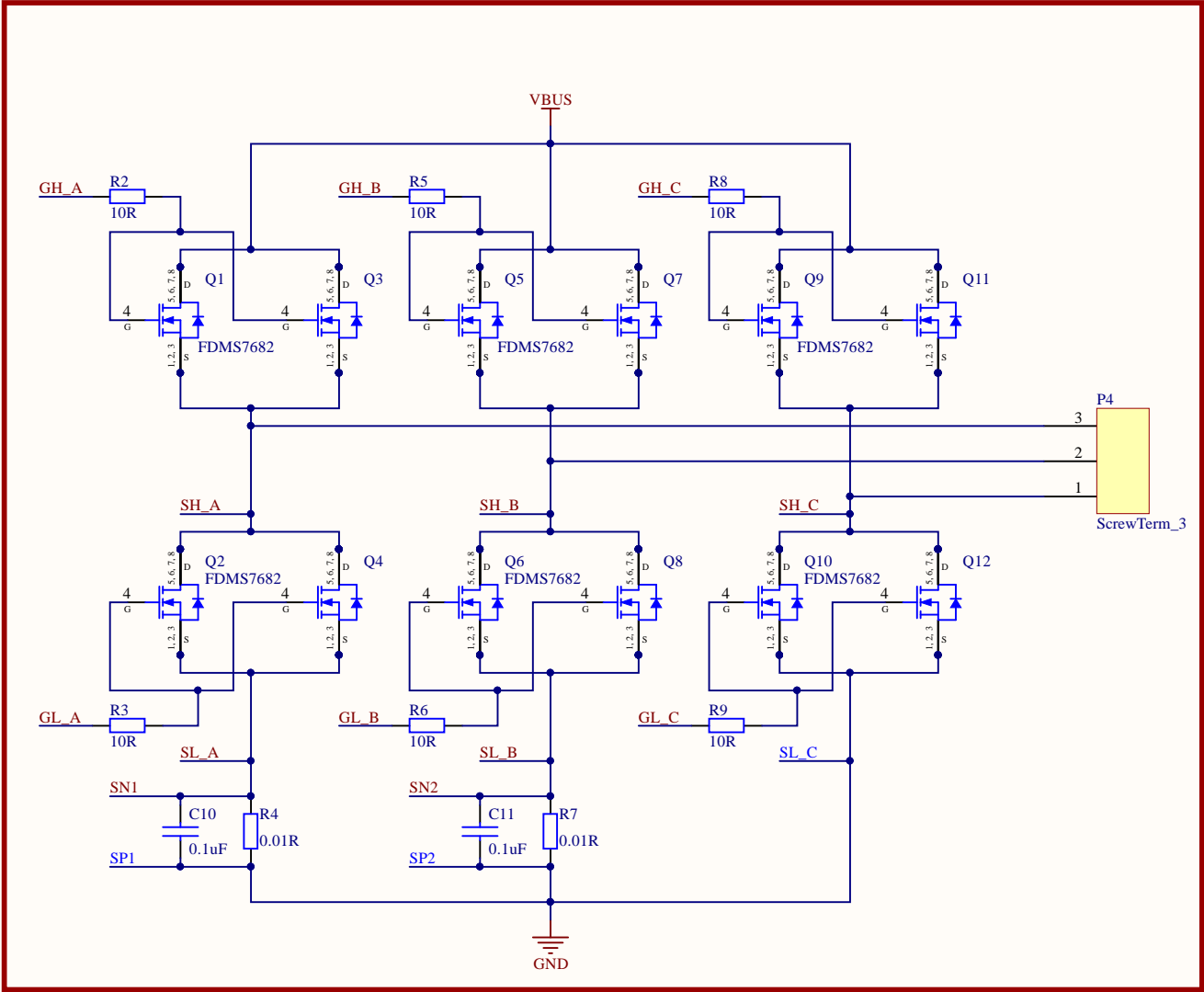
Power indicator LEDs

Re-check min/max voltage input!!

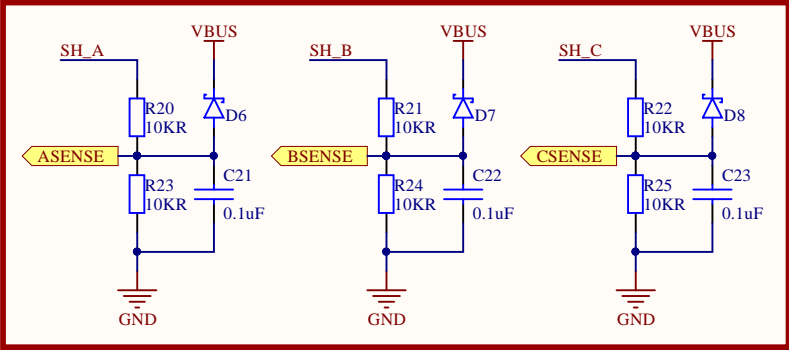
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BLDC Driver

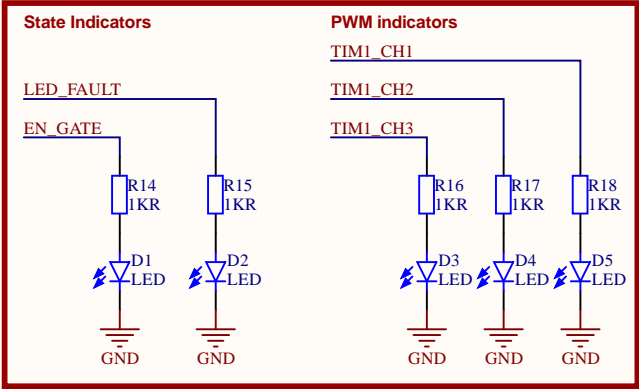
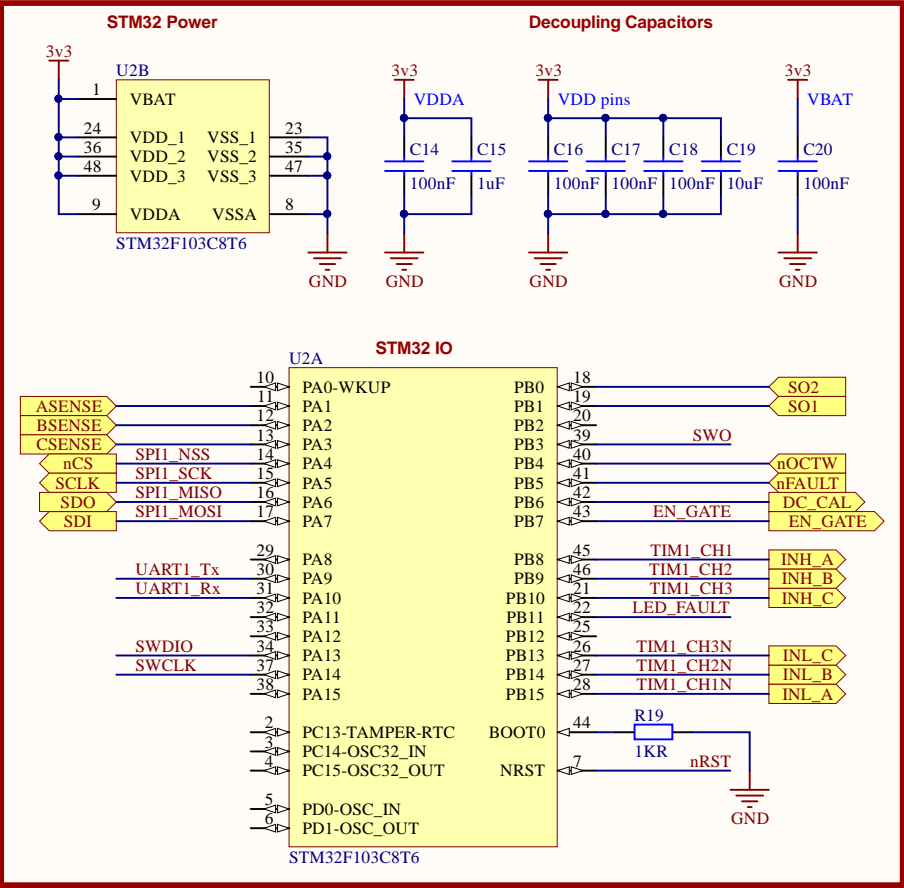


3 Phase Ouput

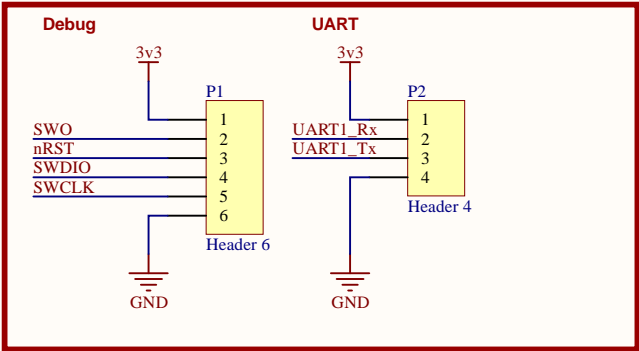


Analogue Sampling

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**LEDs**



**Connectors**

To do:

- Oscillator
- USB connector?
- Any other peripherals?

**Microcontroller**

TIM1\_CHx and TIM1\_CHxN are complementary to each other.

Using CH1:3 and CH1:3N gives 3 phase, 6 output.

I'll potentially only use the INH\_X pins, however.

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Date:	25/10/2018	Sheet of
File:	C:\Users\...\STM32F103.SchDoc	Drawn By: