

Title		
Size	Number	Revision
A4		
Date:	11/11/2018	Sheet of
File:	C:\Users\...\TopLevel.SchDoc	Drawn By:

A

A

B

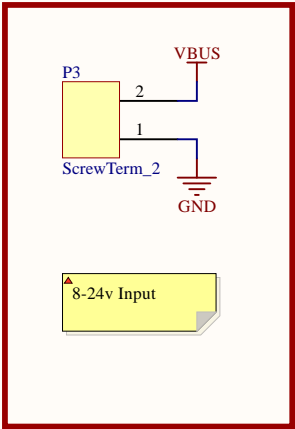
B

C

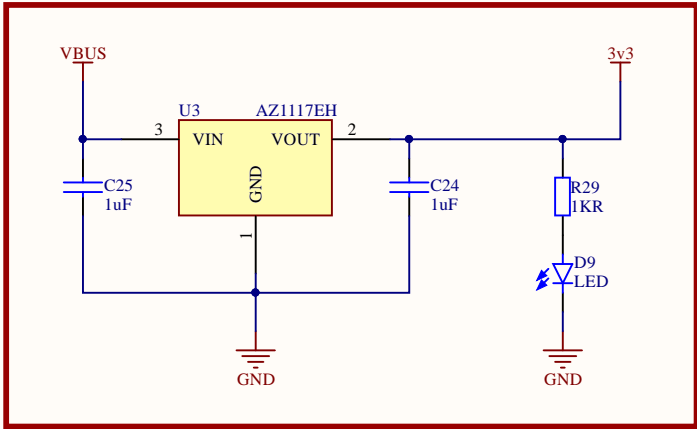
C

D

D



Power Input



3v3 Regulator

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

Fused to x amperes.

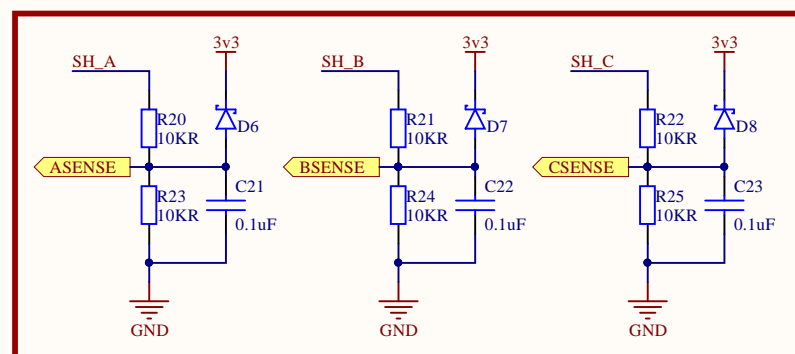
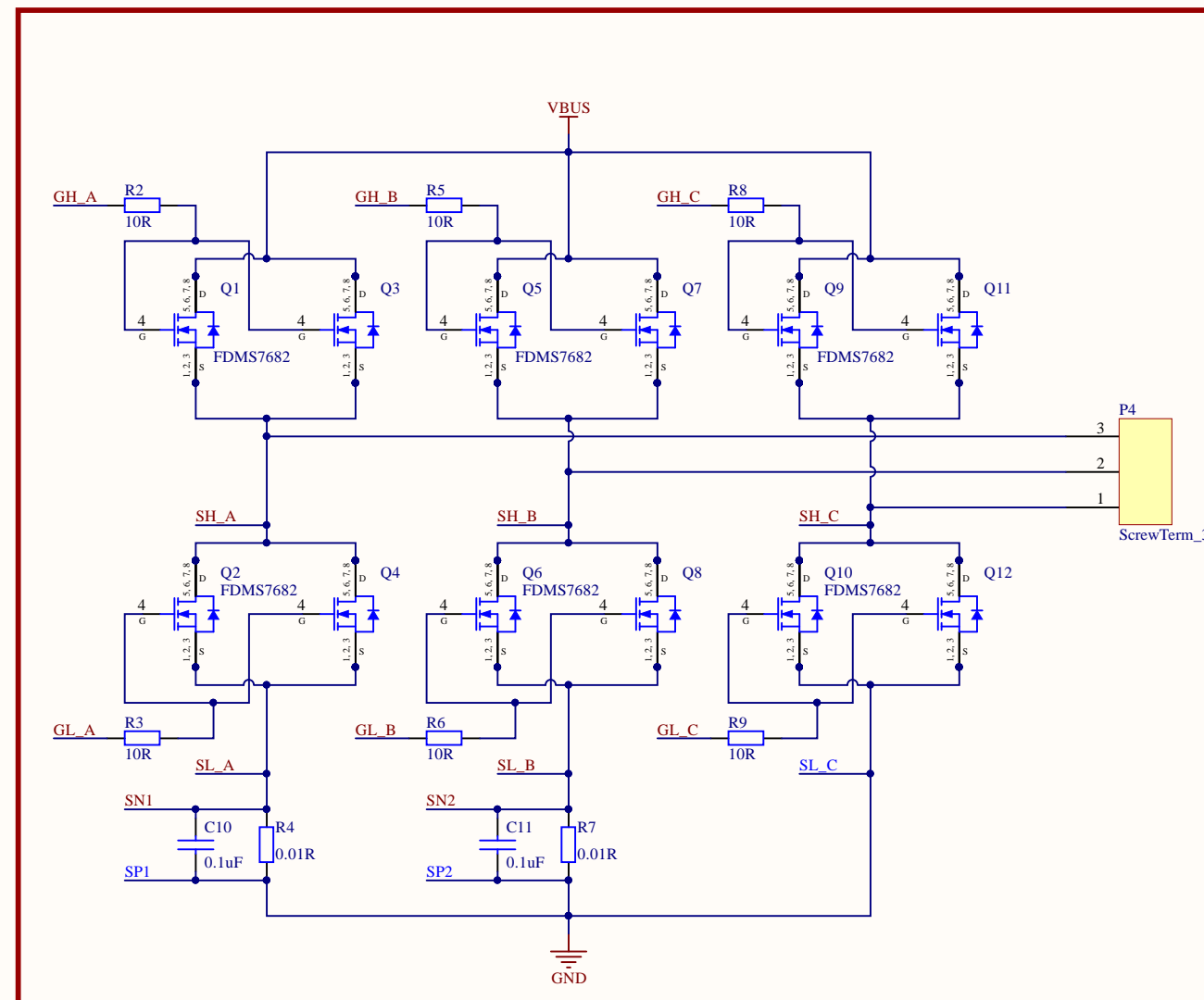
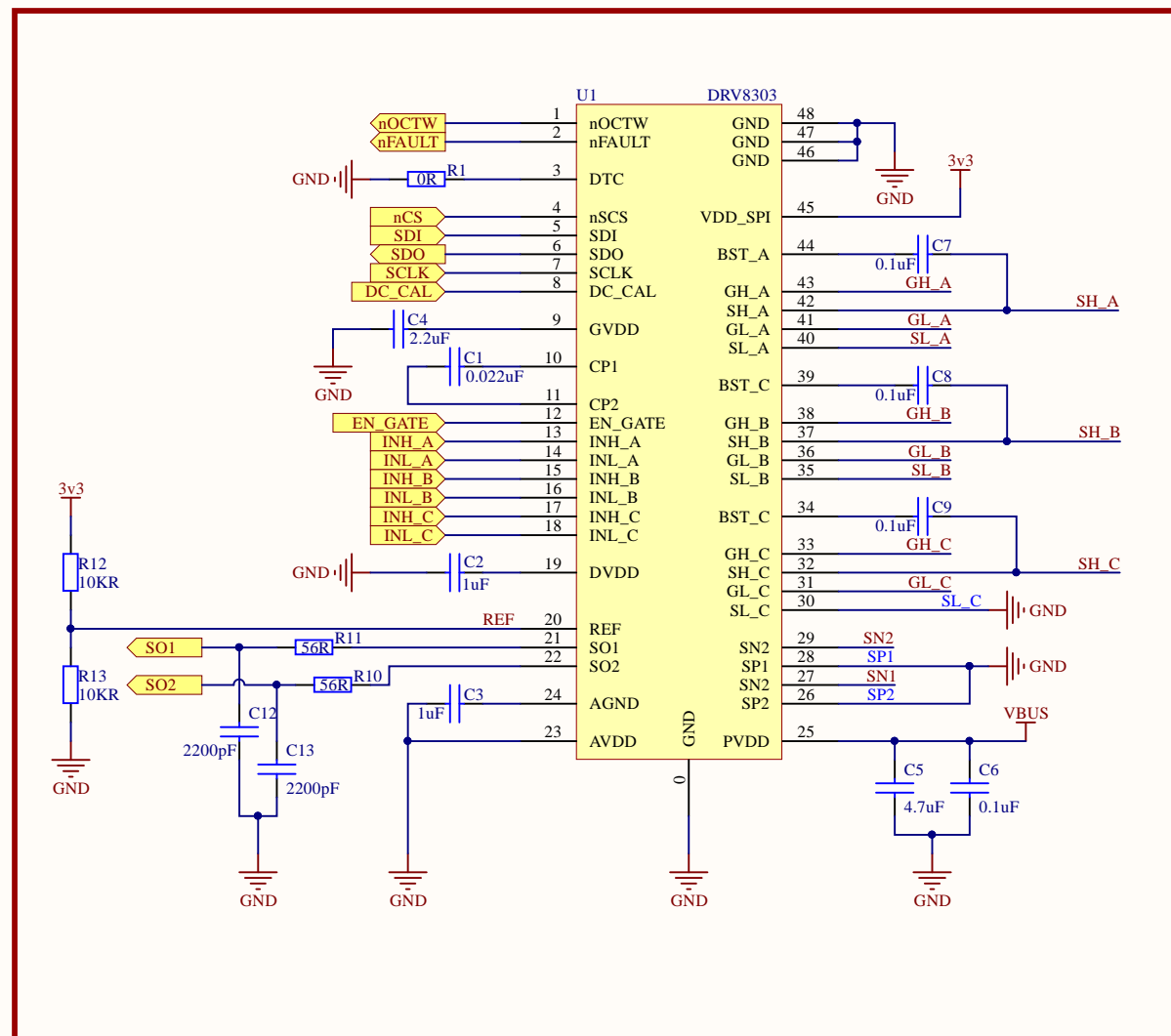
Crowbar??? (over current protection).
Over voltage protection???

Inrush current ramping???

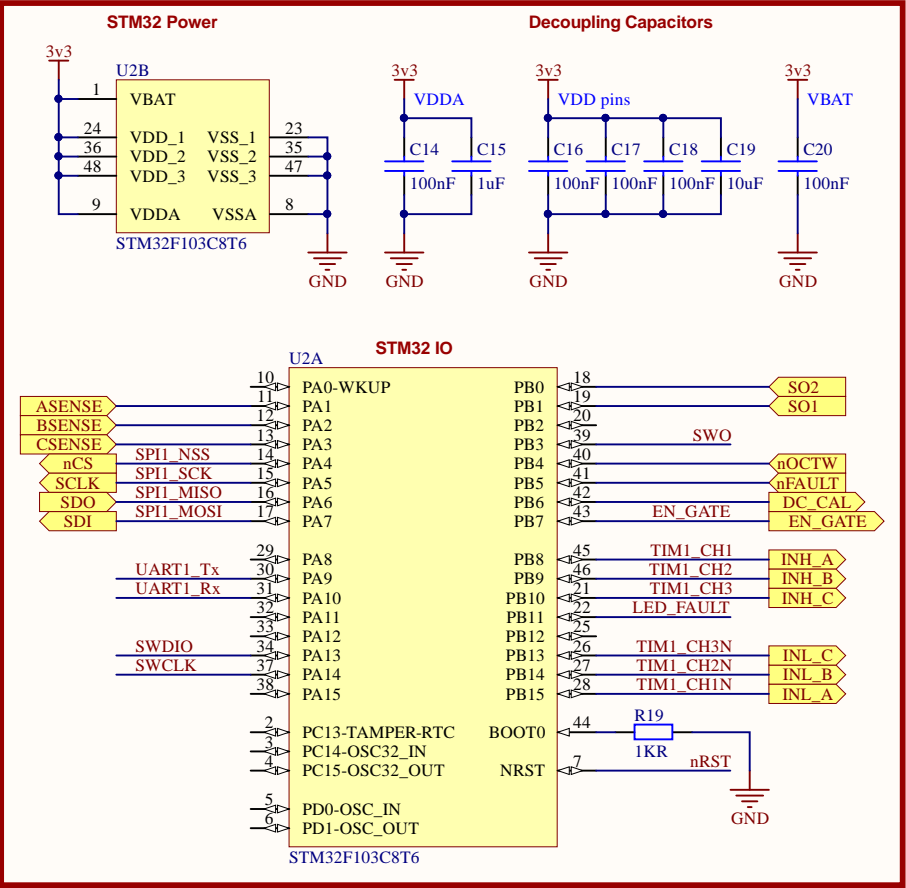
Power indicator LEDs

Re-check min/max voltage input!!

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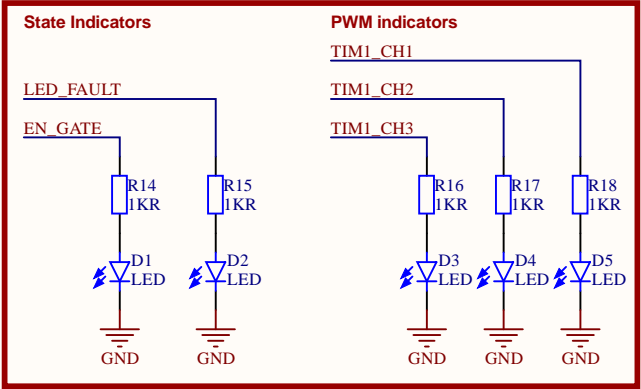


Microcontroller

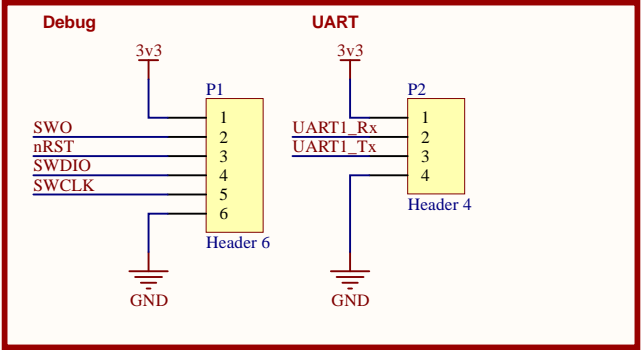
TIM1_CHx and TIM1_CHxN are complementary to each other.

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

I'll potentially only use the INH_X pins, however.



LEDs



Connectors

To do:

- Oscillator
- USB connector?
- Any other peripherals?

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