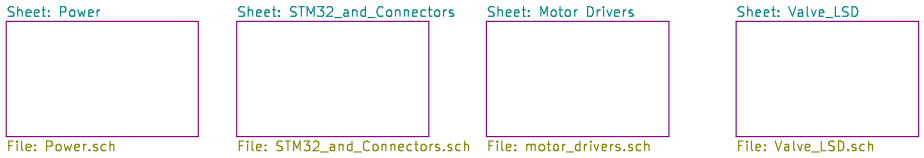

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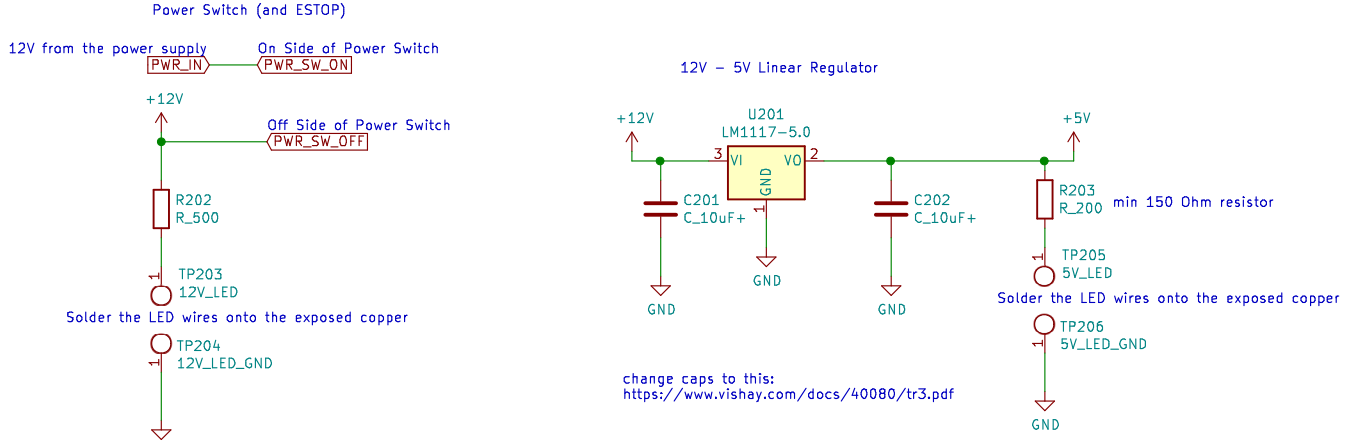

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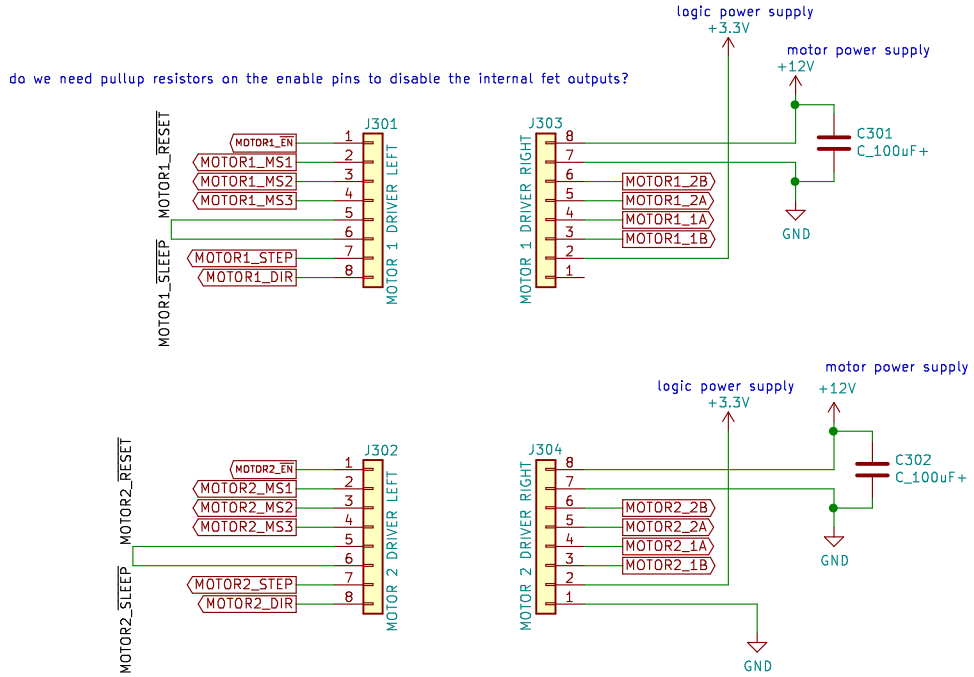
A4988 Stepper Motor Driver Mounting Connectors

do we need pullup resistors on the enable pins to disable the internal fet outputs?



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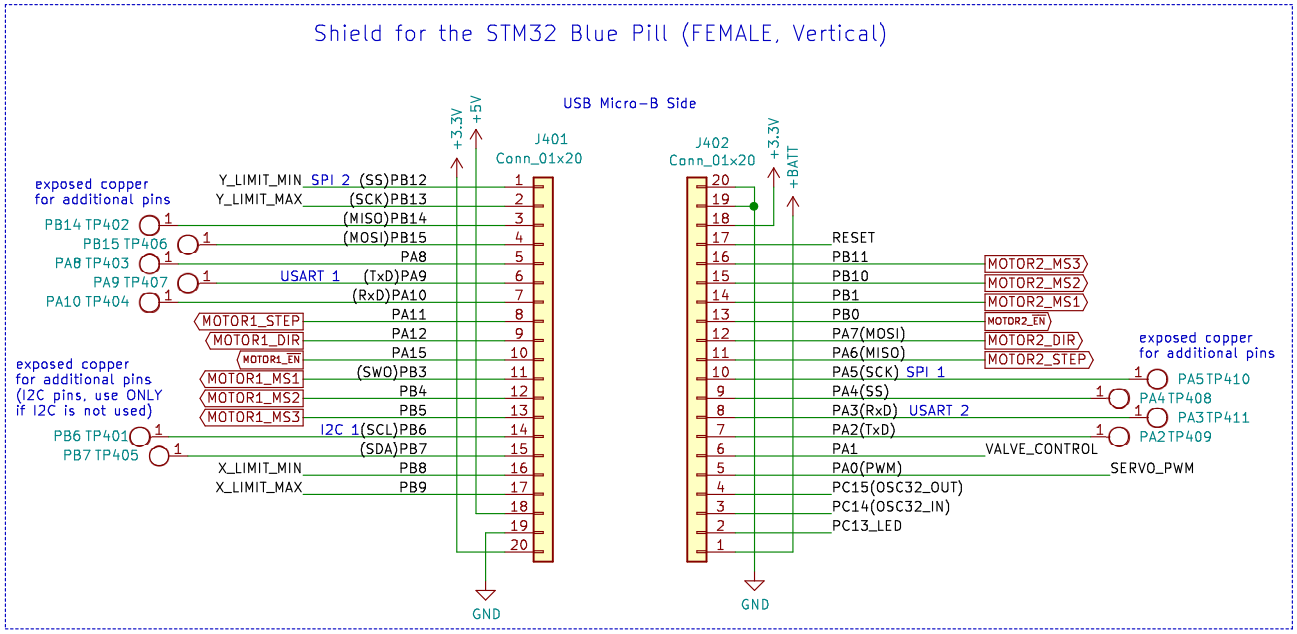
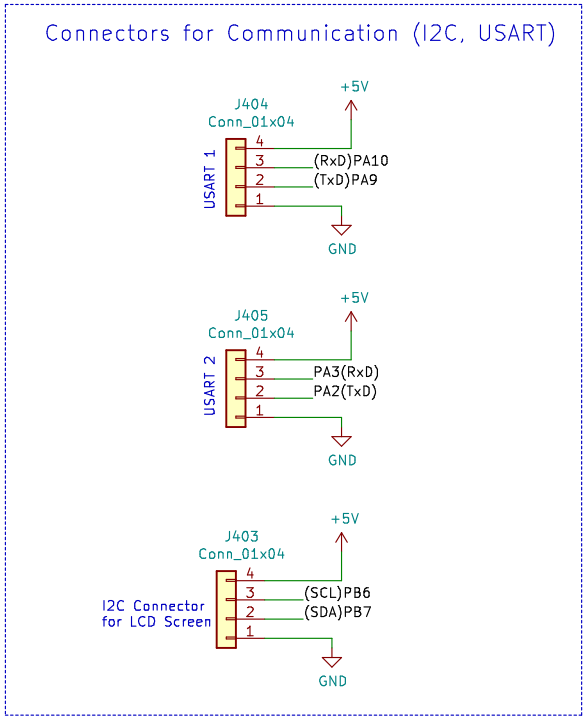


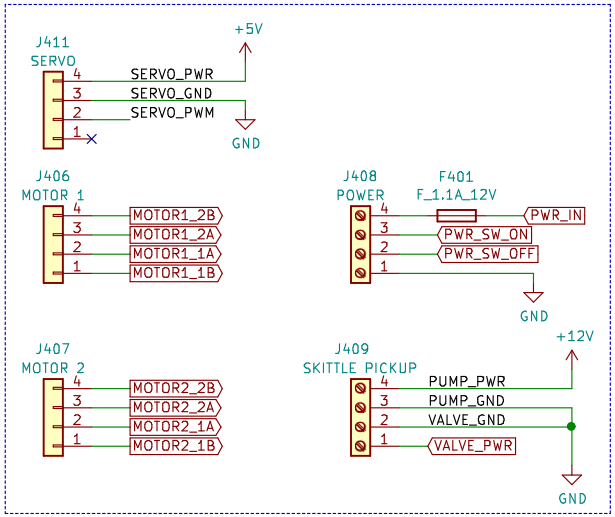
Operating Voltage: 3.3V
DC source/sink from I/O pins: 6mA

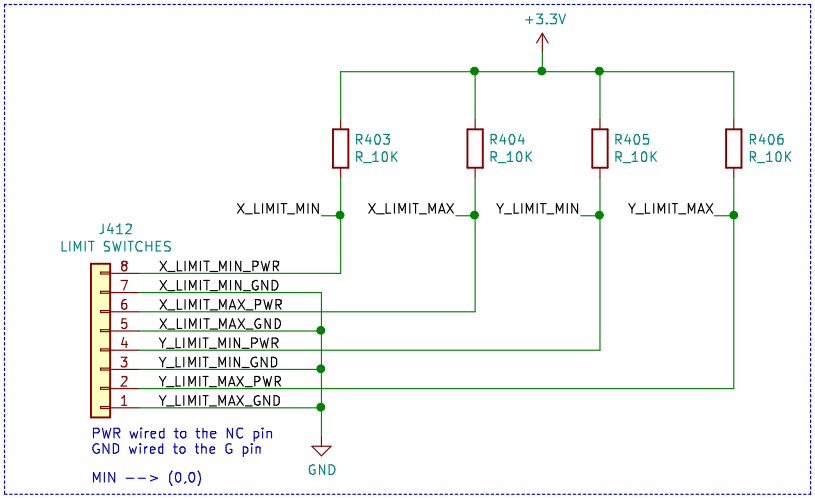
STM32 Blue Pill Pinout

Analog Pins:	PA0 – PA7 PB0 – PB1 Pins can act as ADCs with 12-bit resolution
GPIOs:	PA0 – PA15 PB0 – PB15 PC13 – PB15 General-purpose I/O pins Note that PC13 is the on-board LED.
PWM Capable:	PA0 – PA3 PA6 – PA10 PB0 – PB1 PB6 – PB9
External Interrupts Capability:	PA0 - PA15 PB0 - PB15 PC13 - PC15

STM32 has an internal 5V – 3.3V Regulator which will be used to supply 3.3V for the rest of the components







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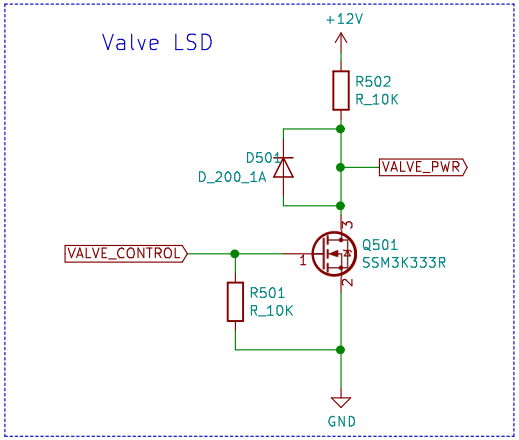

diode: https://www.diodes.com/assets/Datasheets/ds14001.pdf
200V, 1A

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