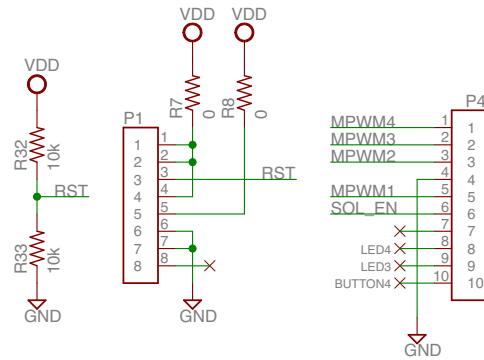
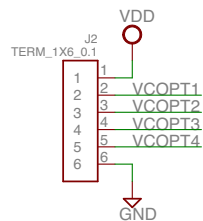


nRF51-DK Interconnect.

No connects are labeled with their connections on the nRF51-DK development board.
Refrain from using incase these services are needed.

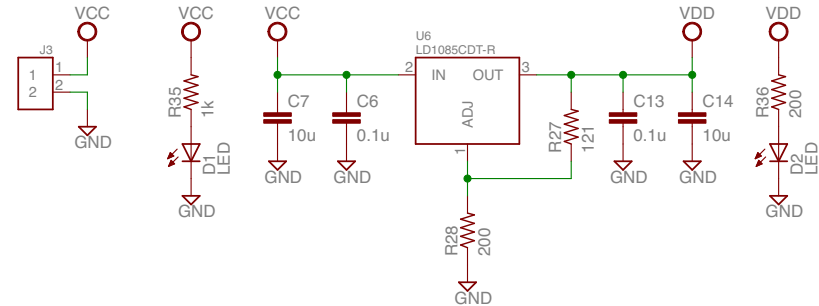


External Sensors.



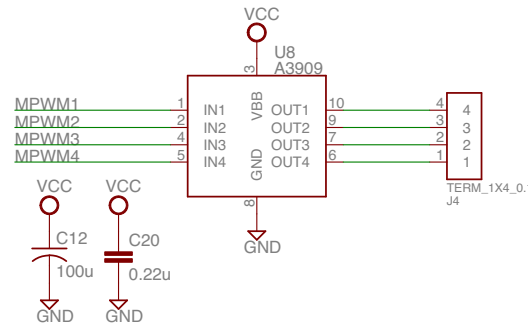
Power supply.

Power supply. LEDs for visual power indication.



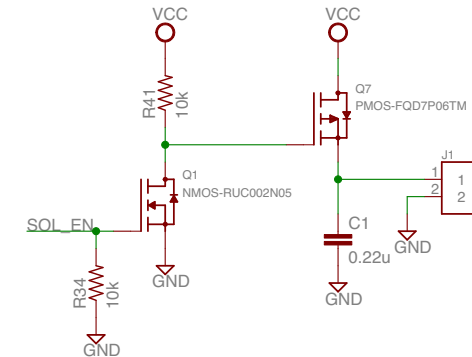
Stepper Motor Control.

PWM signals used to control stepper motor.



Solenoind Control.

NMOS switch to engage solenoid.



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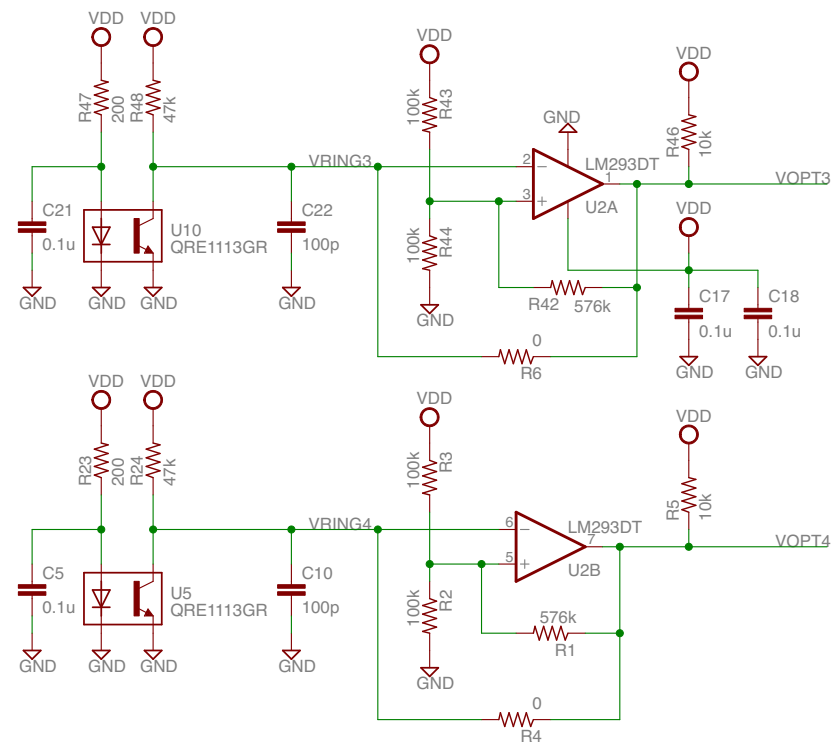
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One reflective sensor for each potential reflective stripe of interest, followed by a comparator with hysteresis. 0 ohm NO-POP can be used to take raw signals directly to the MCU.

- 47k / 100pF -> TC: 4.7u. COF: 34kHz.
- 200 / 0.1u -> TC: 20u. COF: 8kHz.



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