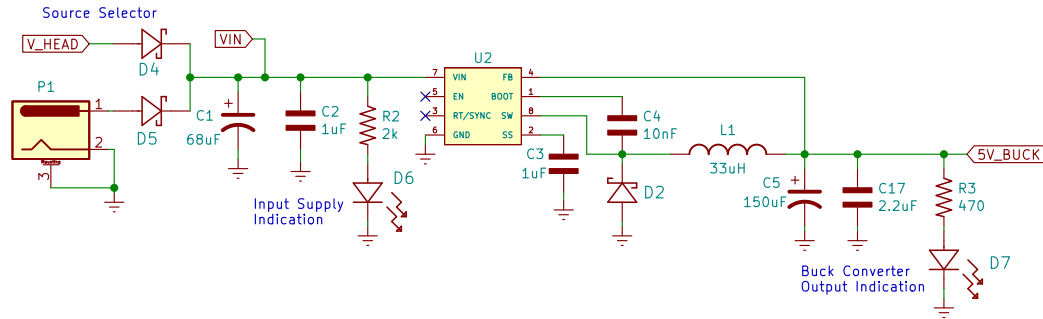




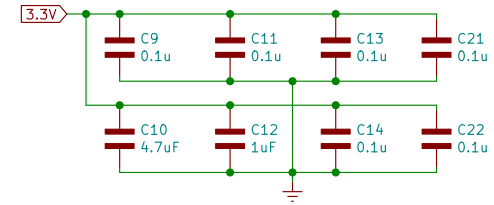
The diagram shows the P8 module with pins 1 through 26. Pins 1, 2, 3, and 4 are connected to a common line that goes to a 5V supply. Pins 5 through 20 are connected to PT1+ through PT8- and PT8- through PT26- respectively. Pins 21 through 26 are connected to a common line that goes to ground. A 1uF capacitor (C30) is connected between the 5V supply and ground. A 68uF capacitor (C29) is connected between the 5V supply and ground.

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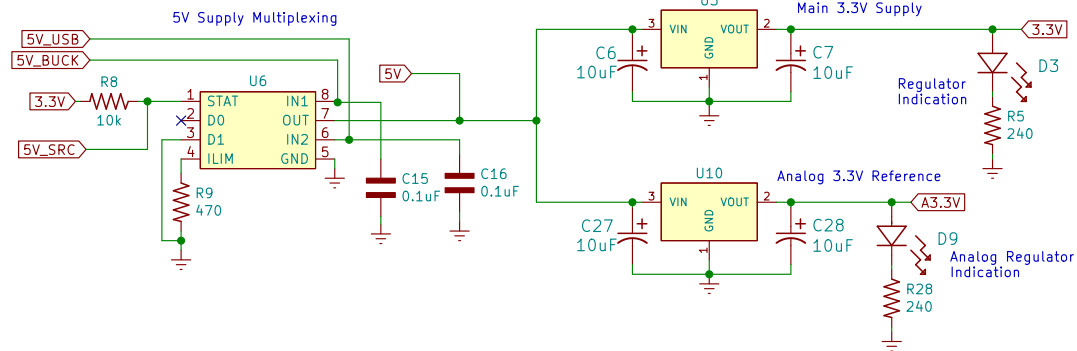
5V Buck Converter



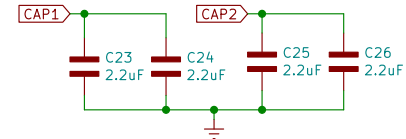
Microcontroller Decoupling Caps



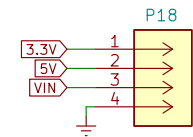
3.3V Supply



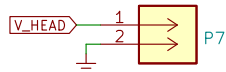
MCU Internal Regulator Caps



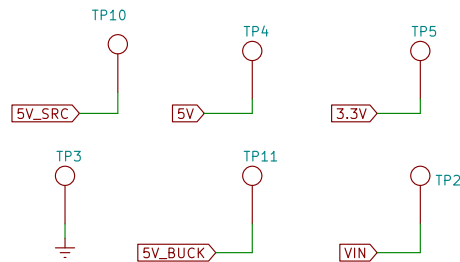
Power Pin Header



Power Connector



Test Points



Author: Colton Acosta
Sun Devil Rocketry

Sheet: /Power/
File: power.kicad_sch

Title: Engine Microcontroller Power Supply

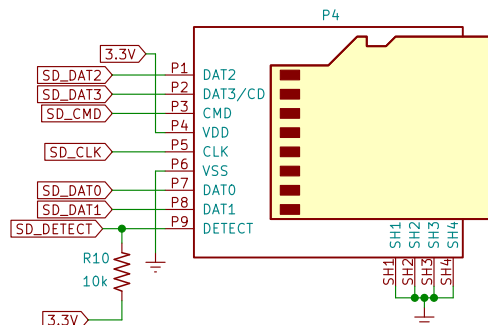
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KiCad E.D.A. kicad (6.0.5)

Date:

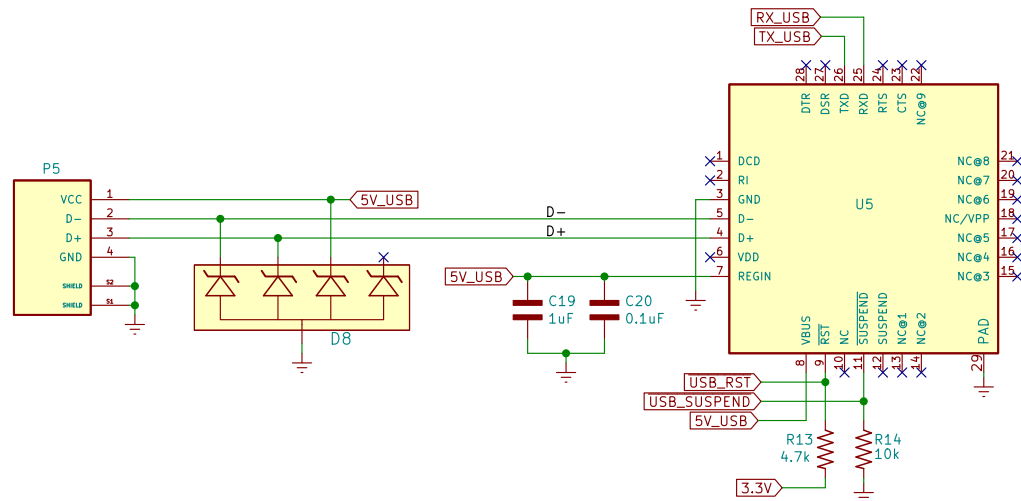
Rev: 1.0

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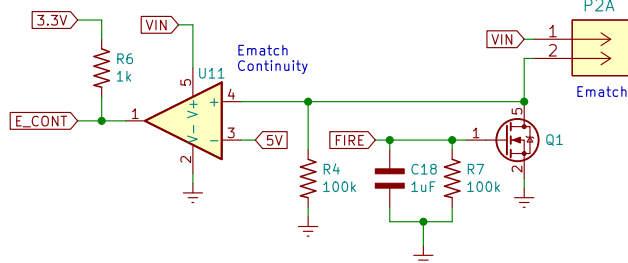
SD Card



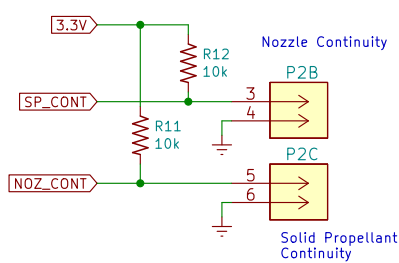
USB Transceiver



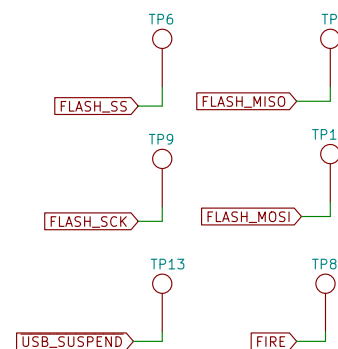
Ignition



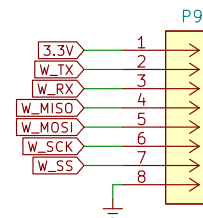
Ignition Continuity



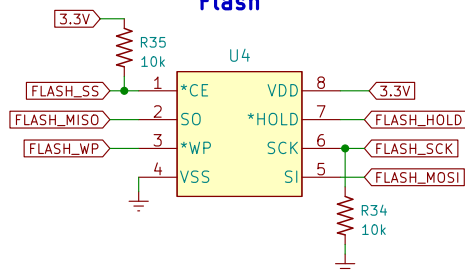
Test Points



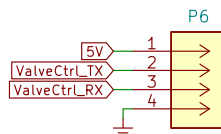
Wireless Interface



Flash



Valve Controller Serial Interface



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