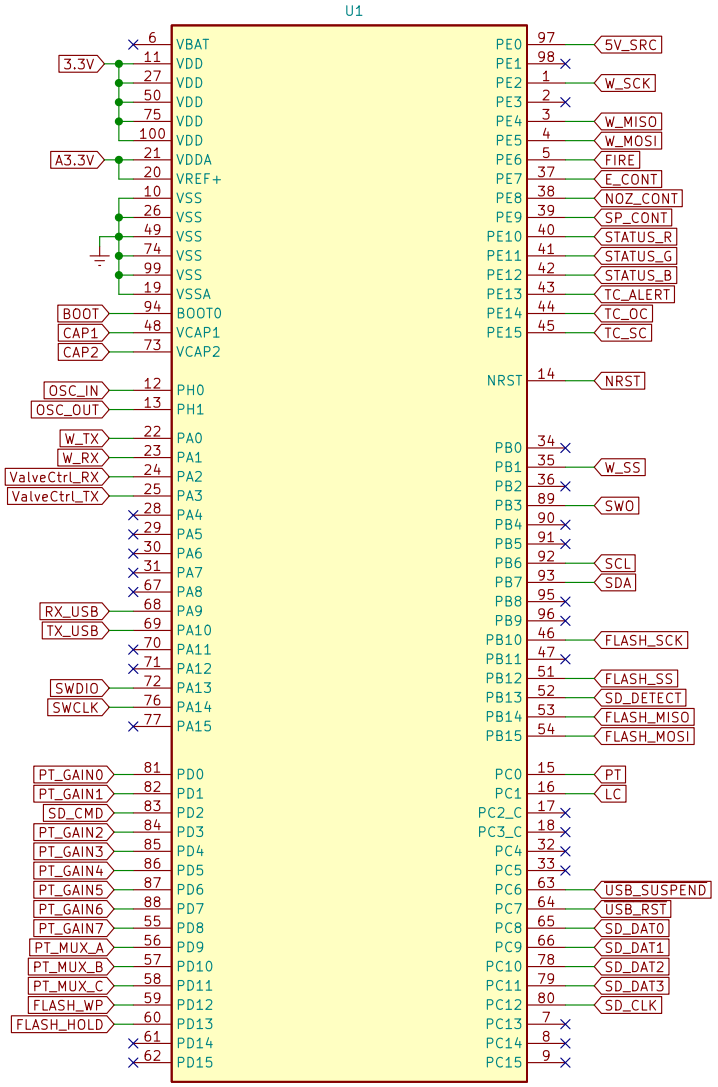
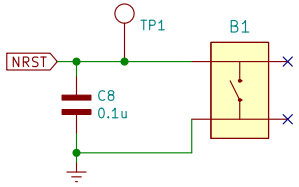
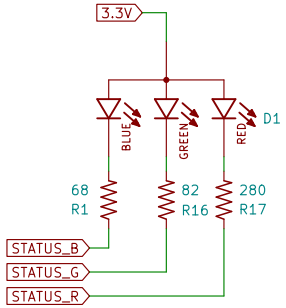
## Microcontroller



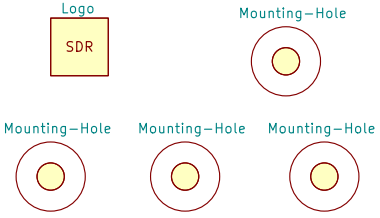

## MCU Reset



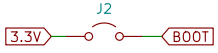

## Firmware Status LED




## Miscellaneous




## Boot Setting




## Power

File: power.kicad_sch

## Flash

## USB

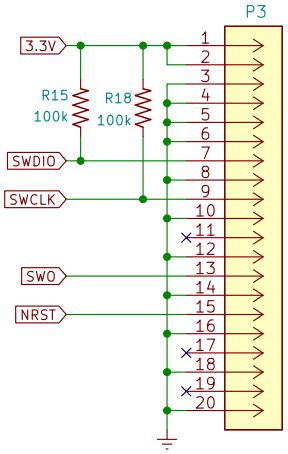
## SD Card

## Ignition

## Wireless Interface

## Valve Controller

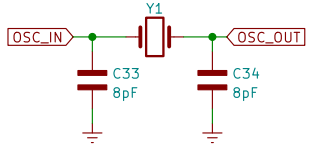
## SWD Programmer




## Sensors

File: Sensors.kicad_sch

## Crystal Oscillator




Author: Colton Acosta
**Sun Devil Rocketry**
Sheet: /
File: Engine-Controller.kicad_sch

***Title: Engine Controller Microcontroller Board***

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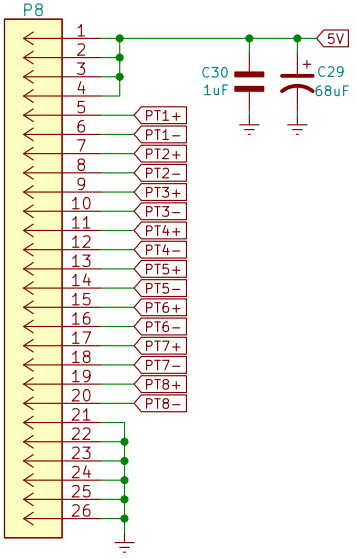
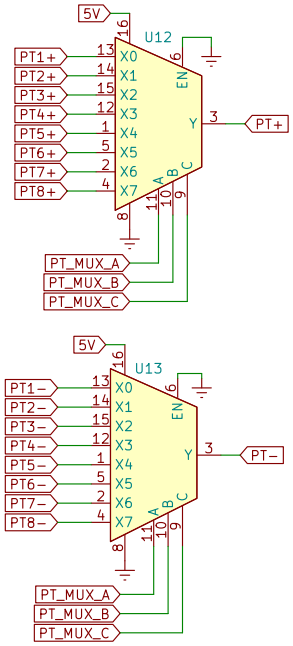
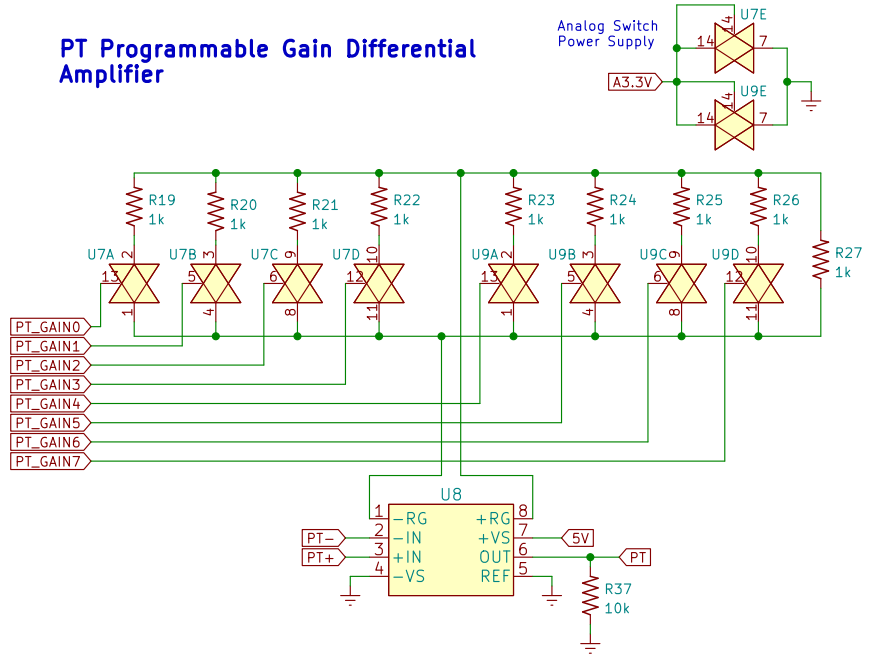
## Pressure Transducer Connectors



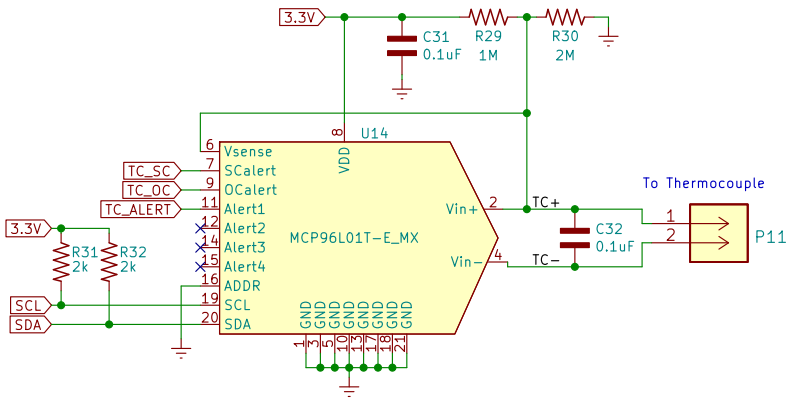

## PT Analog Multiplexers



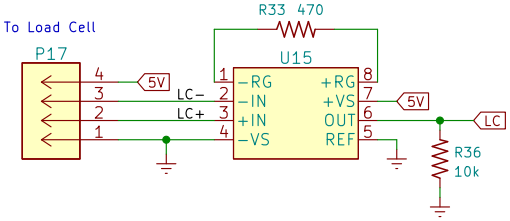

## PT Programmable Gain Differential Amplifier




## Thermocouple Cold Junction Compensation




## Load Cell Amplifier




Sheet: /Sensors/
File: Sensors.kicad_sch

**Title:**

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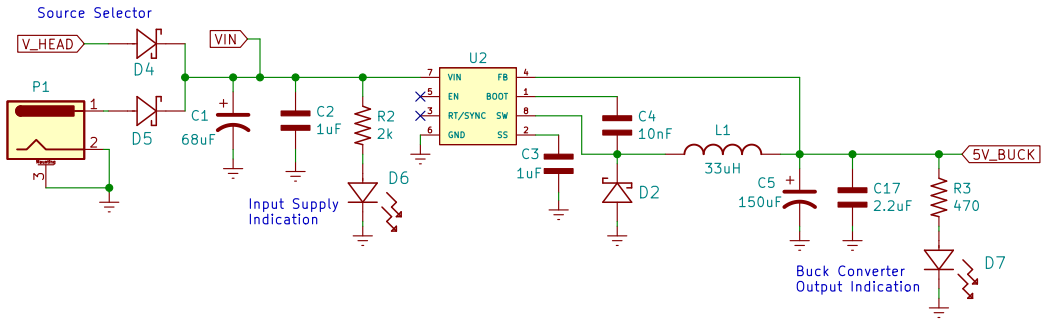
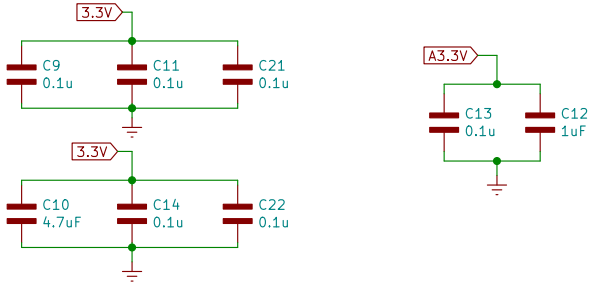
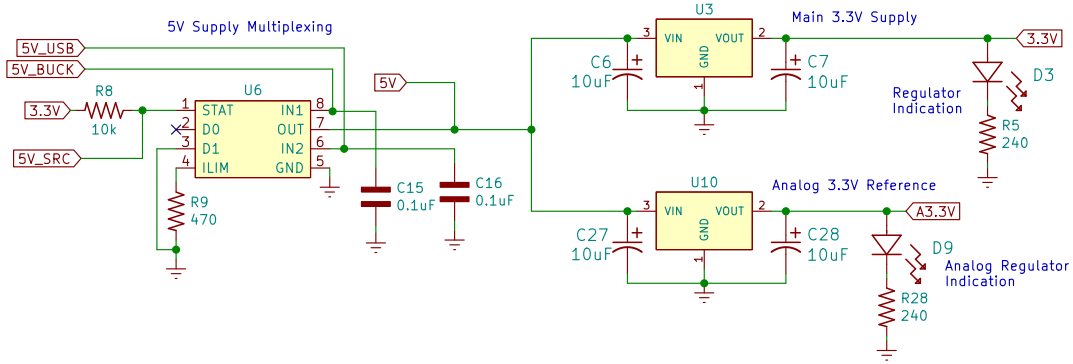
## 5V Buck Converter




## Microcontroller Decoupling Caps

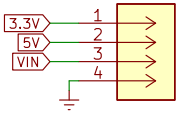



## 3.3V Supply

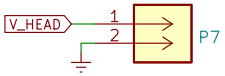



## MCU Internal Regulator Caps

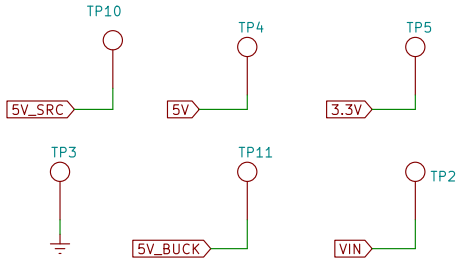
## Power Pin Header




## 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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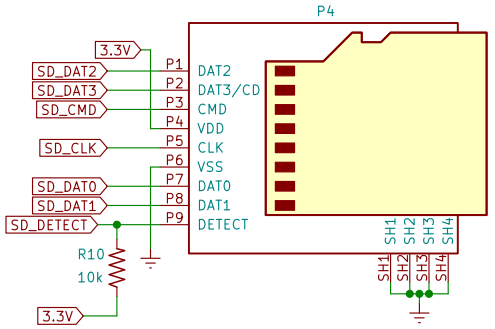
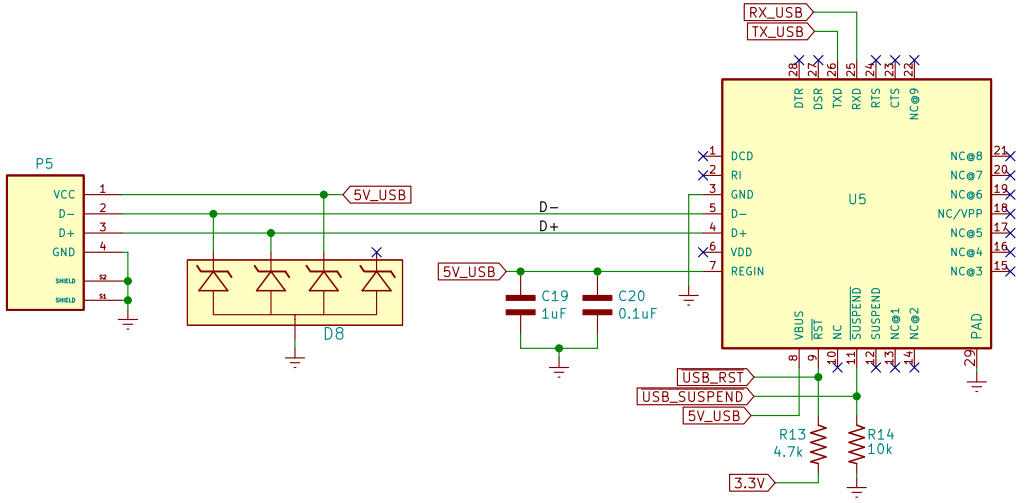
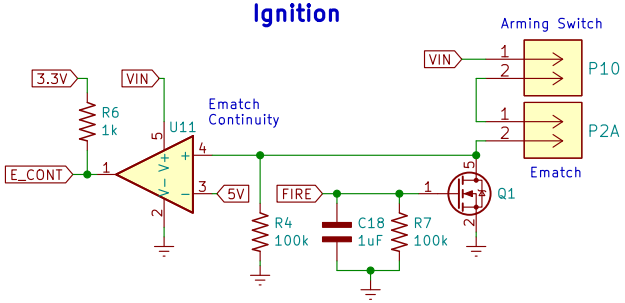
## SD Card



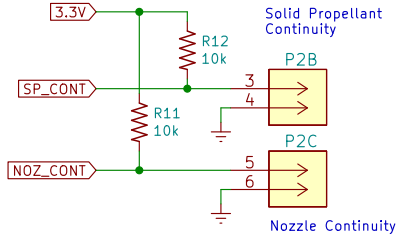

## USB Transciever



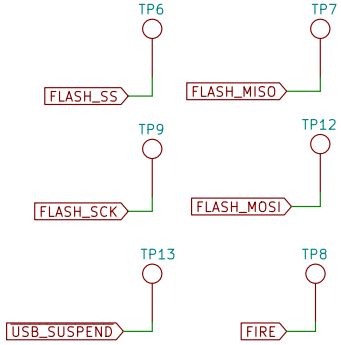

## Ignition



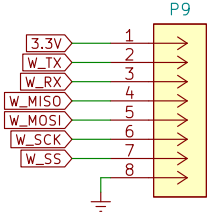

## Ignition Continuity



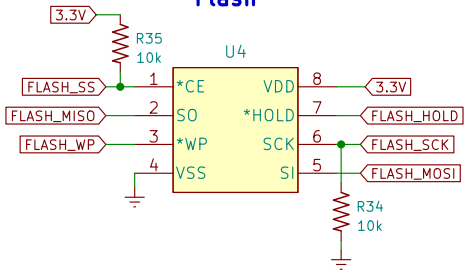

## Test Points



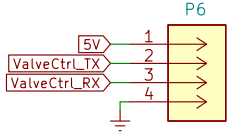

## Wireless Interface




## Flash




## Valve Controller Serial Interface

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