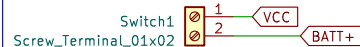
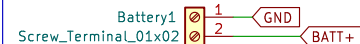


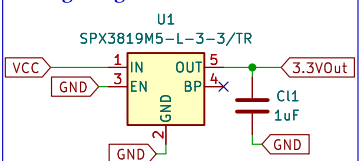
## POWER SWITCH



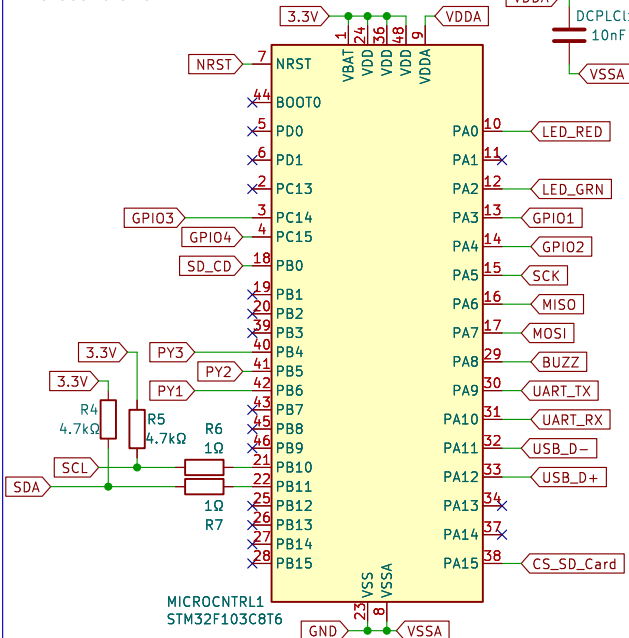
## POWER



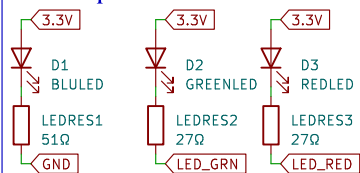
## Voltage Regulator



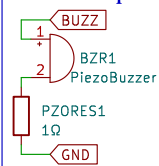
## Microcontroller



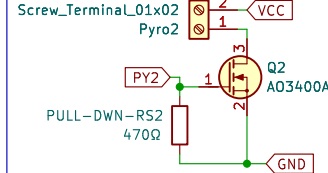
## LED Outputs



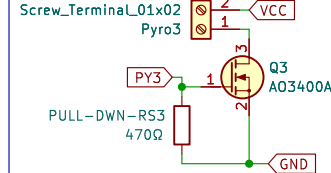
### Buzzer Output



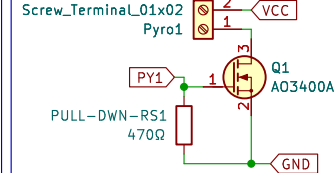
**PYROTECHNIC<sub>2</sub>**



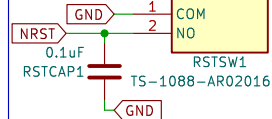
**PYROTECHNIC3**



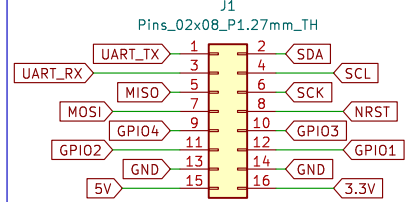
**PYROTECHNIC1**



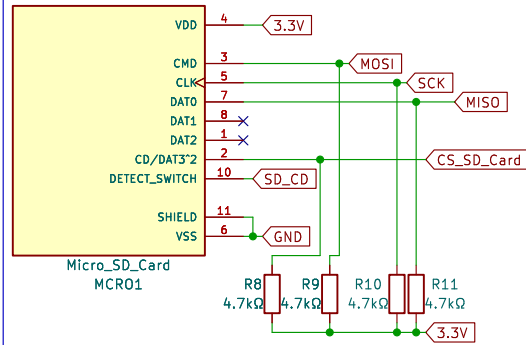
## RST SWTCH



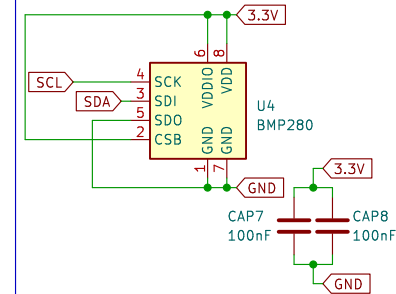
## I/O Headers



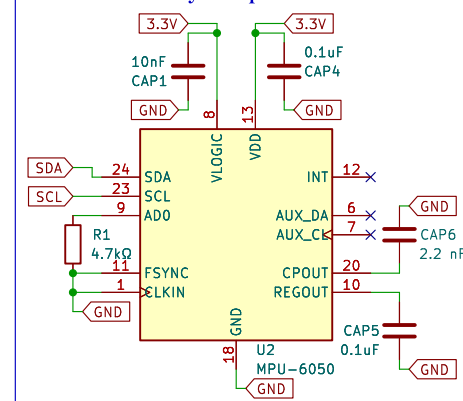
## MicroSD



## Barometer and Altimeter



## Accelerometer/Gyroscope



The ORCA is a compact and efficient flight computer smaller than the palm of your hand.  
The PCB measures less than 30 mm<sup>2</sup> and can power some of the most advanced model rockets.  
The ORCA is a 12V & 500mA system with 64KB of expandable memory via MicroSD.

Created by Wilson Dhalwani AEDT 2024

## Dhalwani Designs

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## Optimized Rocketry Computing Assembly

Size: A4	Date: 2023-12-13
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KiCad E.D.A. eeschema 7.0.2

Rev: 7.0

Id: 1/1