

## Microcontroller and Inertial Measurement Unit (IMU)

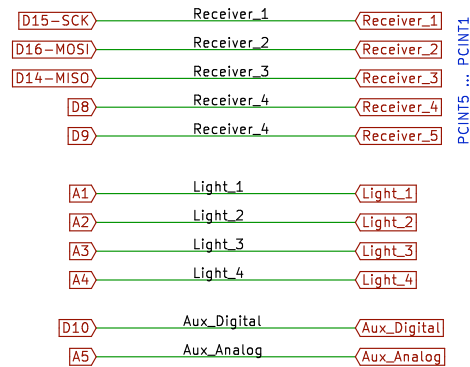
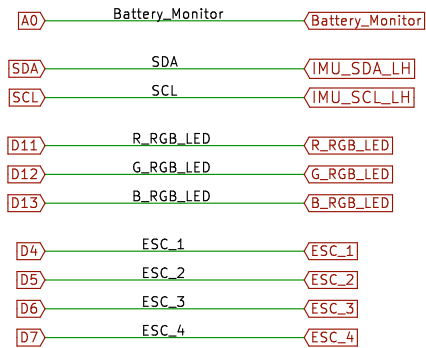
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File: IMU.sch

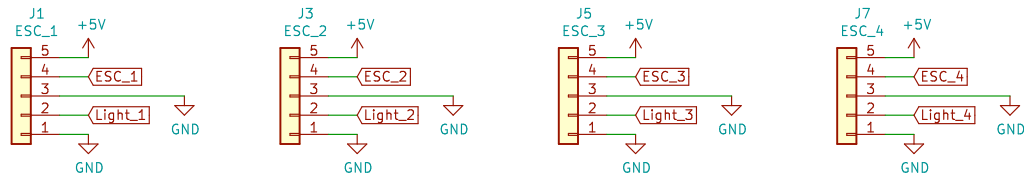
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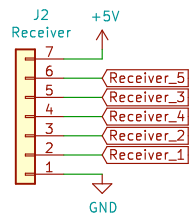
### Pin Mapping



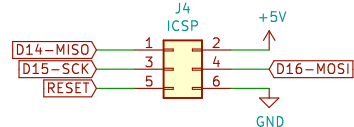
### ESC and Light Connections



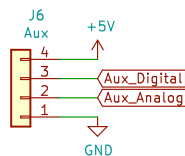
### Receiver



### ICSP

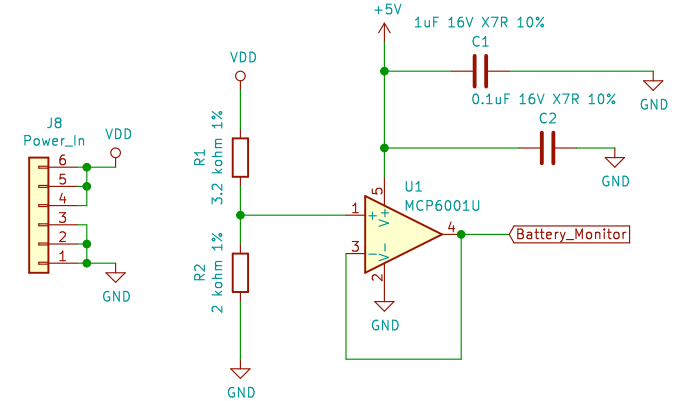


### Aux Outputs

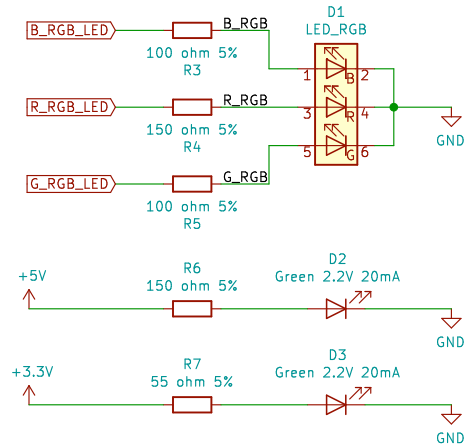


## Power In and Voltage Monitoring

Voltage monitoring range: Up to 13V (3s LiPo 12.6V)



### Master Indicator LEDs



### Mounting Holes



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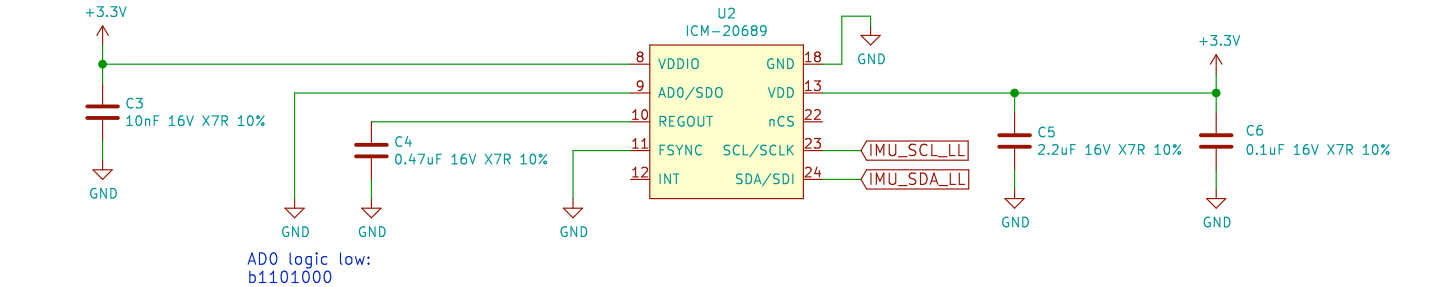
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**Title: Flight Controller**

Size: USLetter Date: 2021-01-01  
KiCad E.D.A. kicad (5.1.4-0-10.14)

Rev: A  
Id: 1/3

Inertial Measurement Unit (IMU)



Bidirectional Logic Level Conversion and I2C Pull Up Resistors



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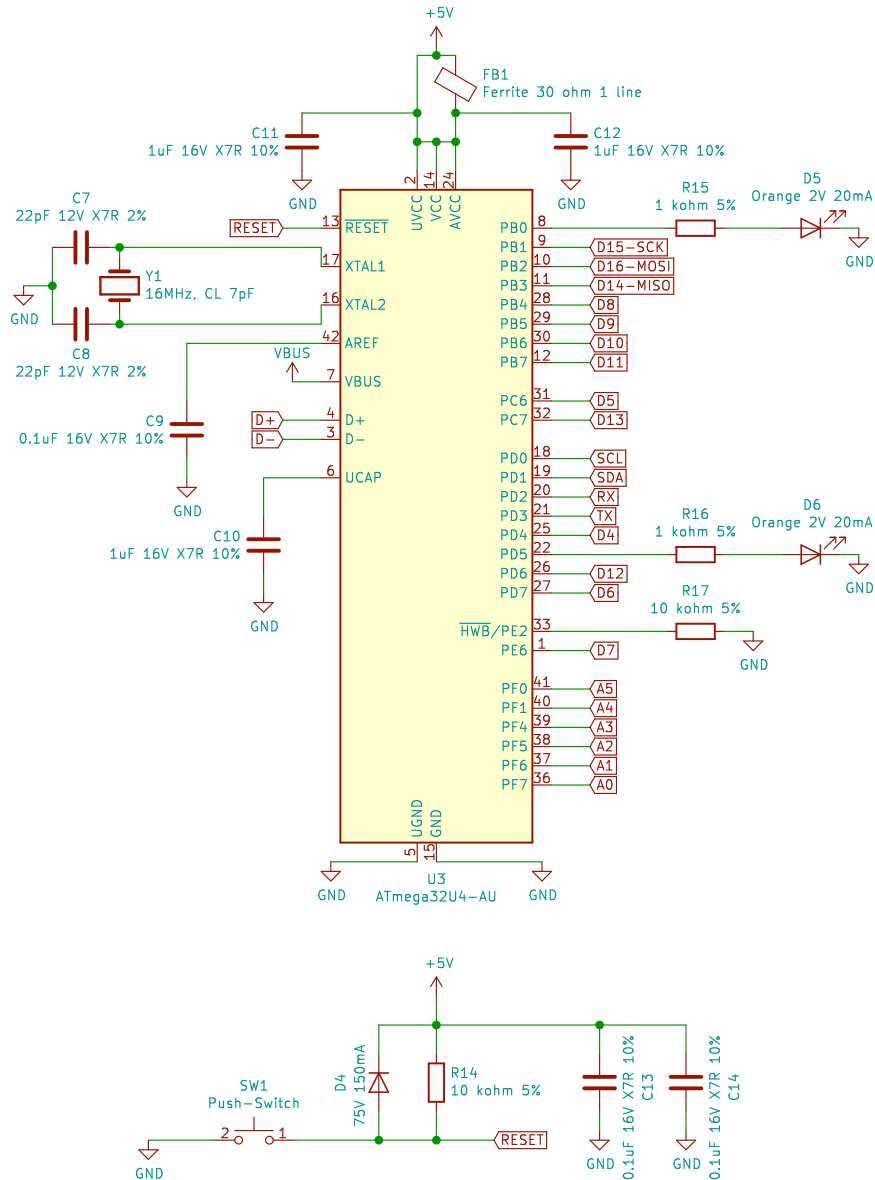
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Title: Six Degree of Freedom (DOF) Inertial Measurement Unit (IMU)

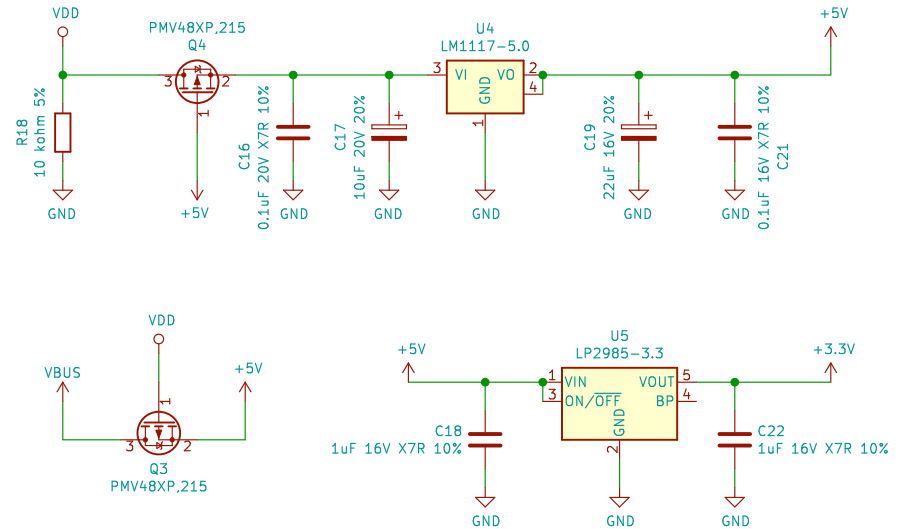
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Id: 2/3

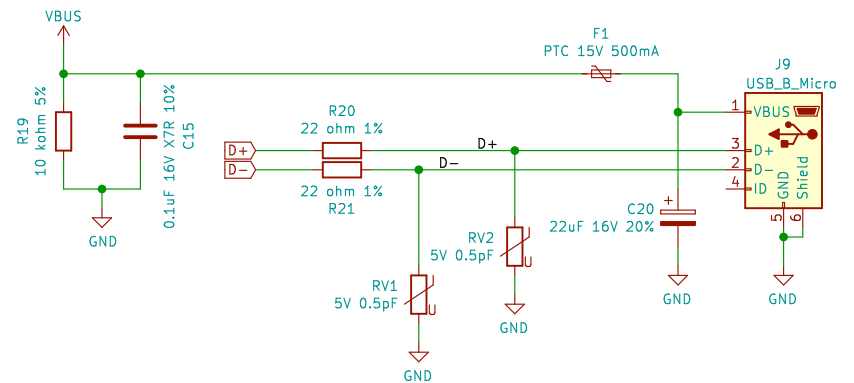
## Microcontroller



## Power Management and Selection



## USB Interface



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Sheet: /Microcontroller/  
File: Microcontroller.sch

**Title: Microcontroller, Power, and USB Interface**

Size: USLetter Date: 2021-01-01  
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Rev: A  
Id: 3/3