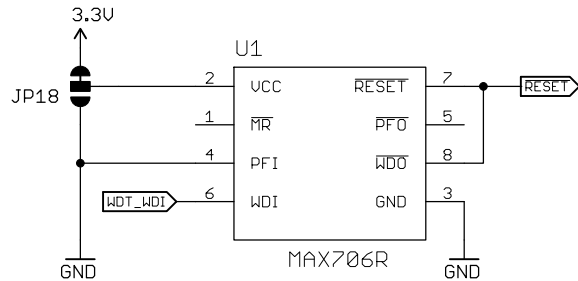
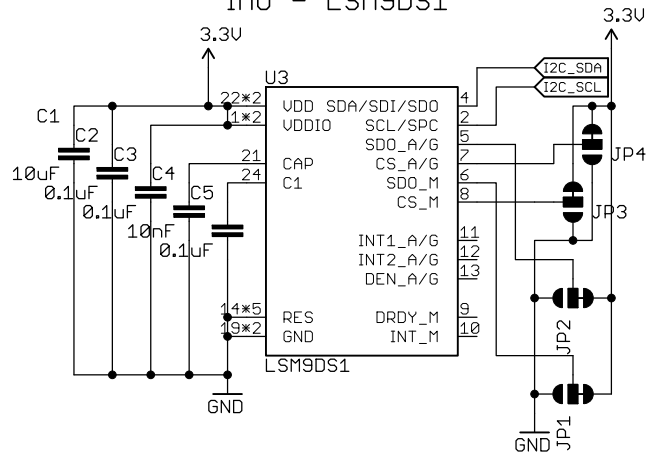


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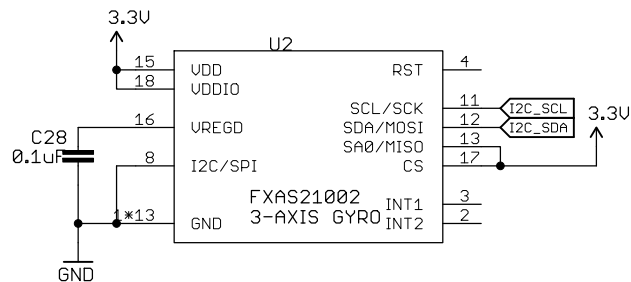


## IMU - LSM9DS1

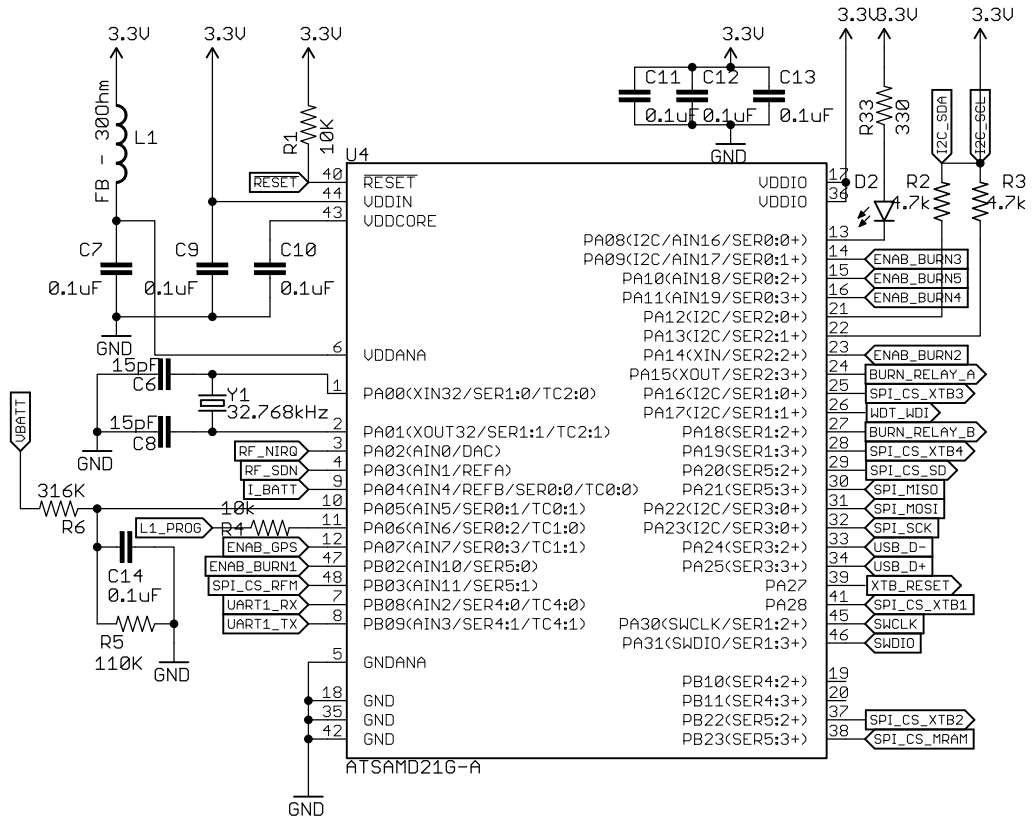


## 3-AXIS GYROSCOPE

ADDRESS = 0x21



## ATSAMD21G18 32-bit ARM Microprocessor



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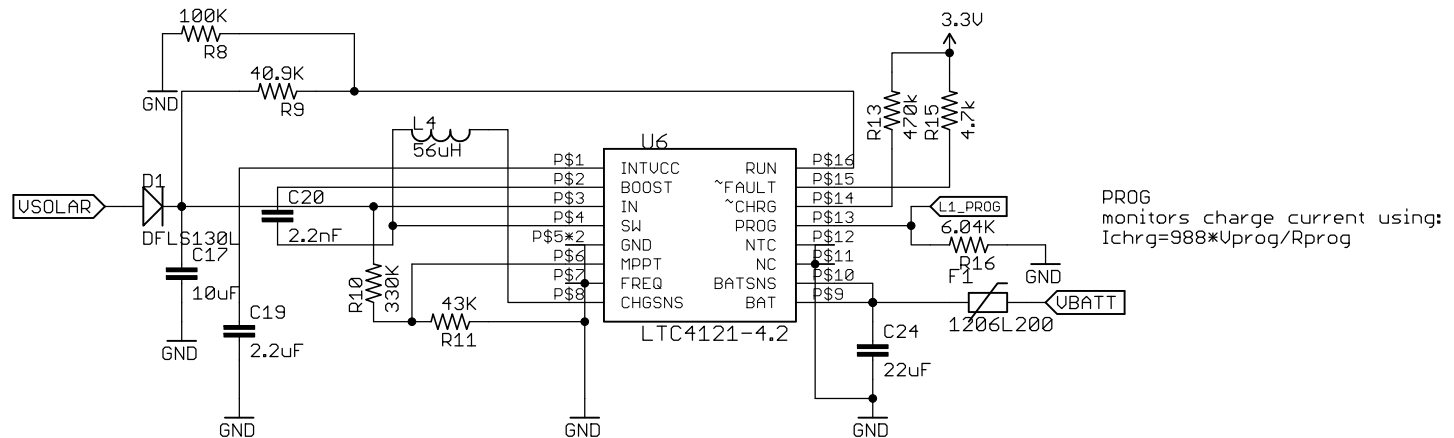
Design by:  
Zac Manchester, Max Holliday

REV:  
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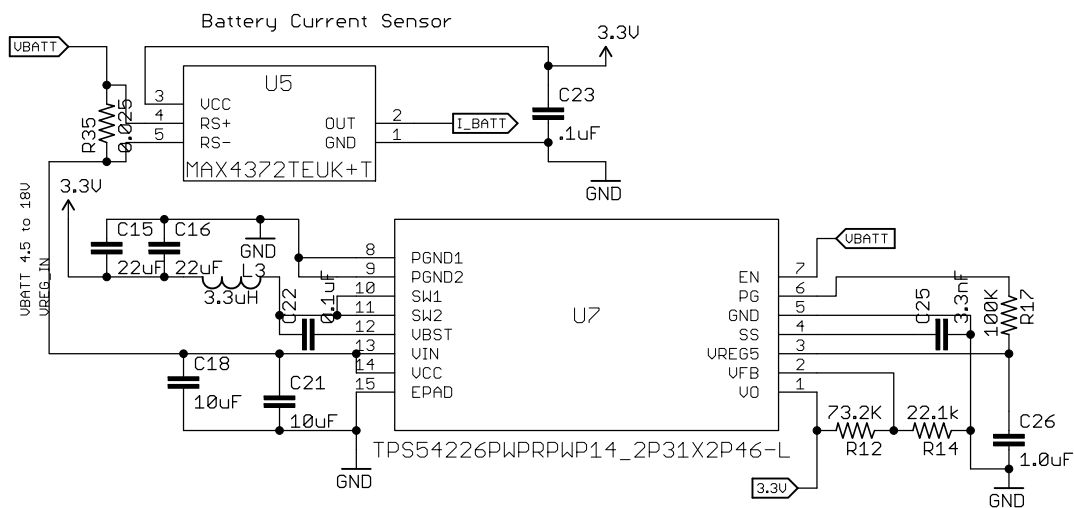
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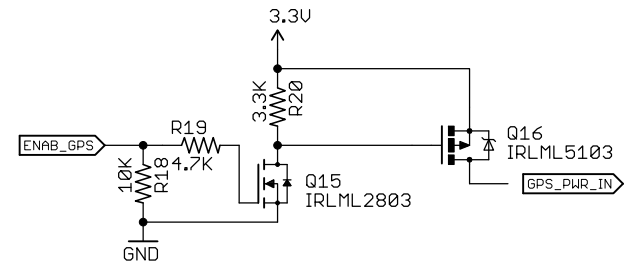
## 2s2P Li-Ion Battery Charging Circuit



## Regulator - 3.3V OUT



## GPS Power



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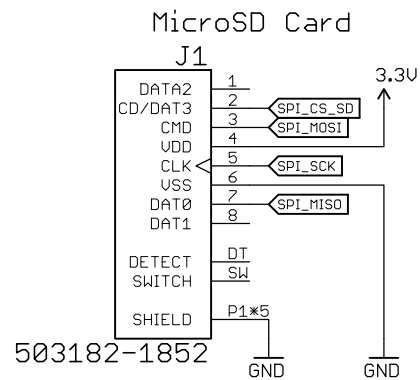
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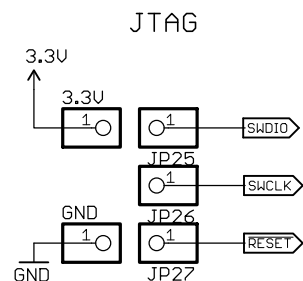
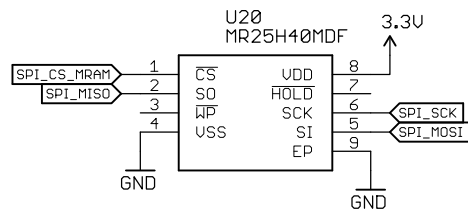
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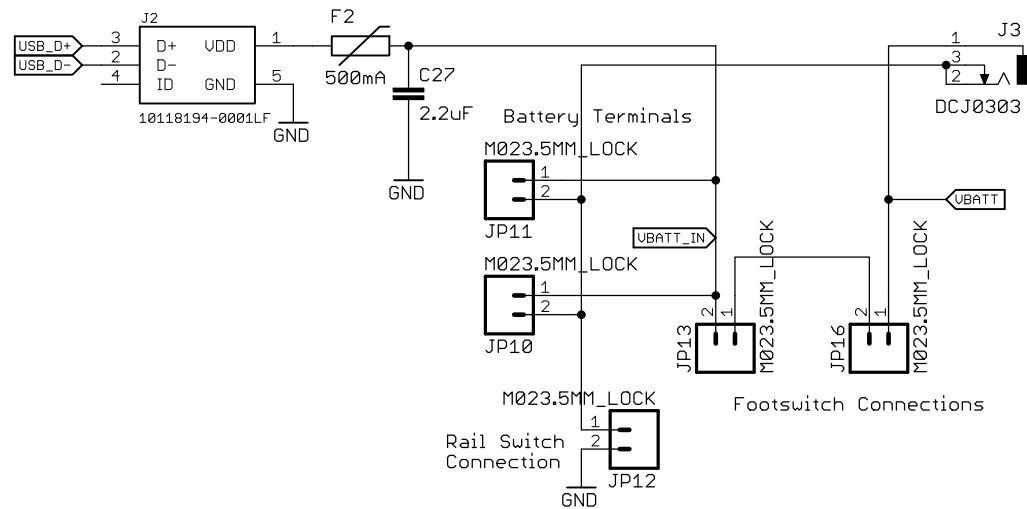
Sheet: 2/5



MRAM - Nonvolatile Memory  
(4MB storage)



Power Connectors: USB, Barrel Plug, Battery



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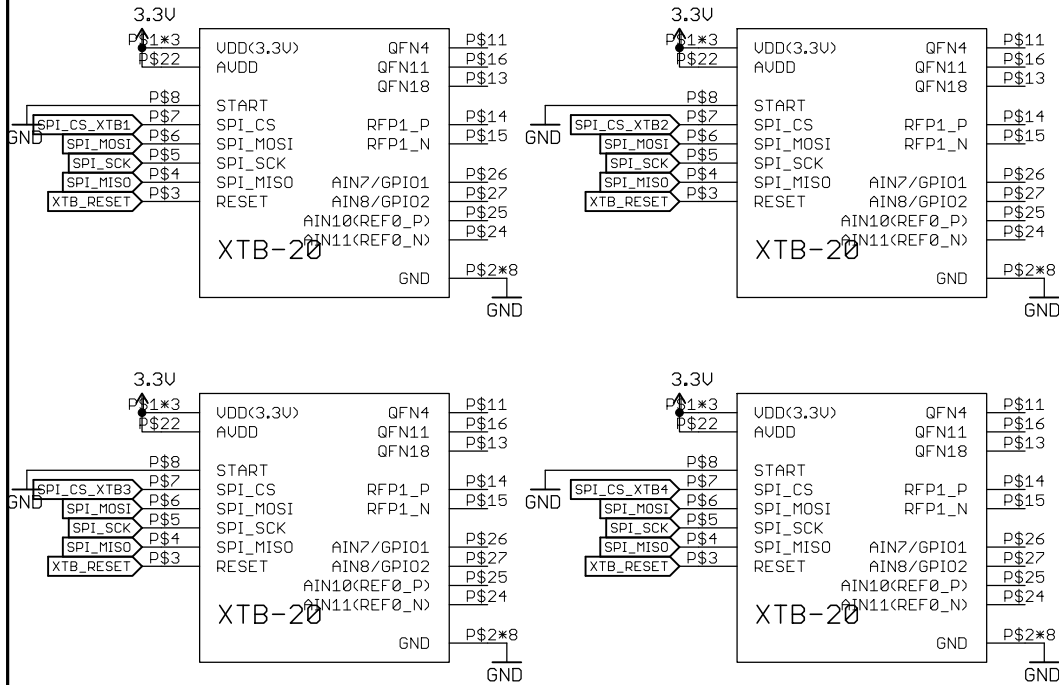
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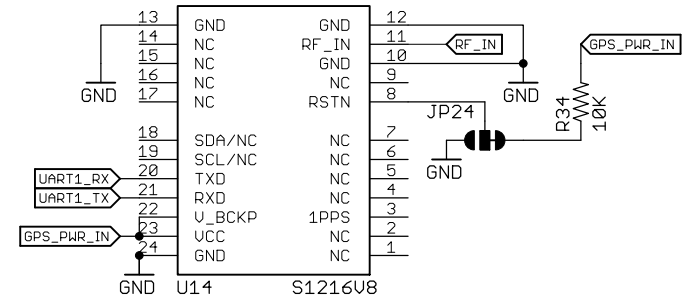
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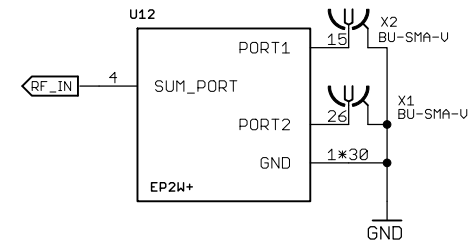
## Sensor Modules



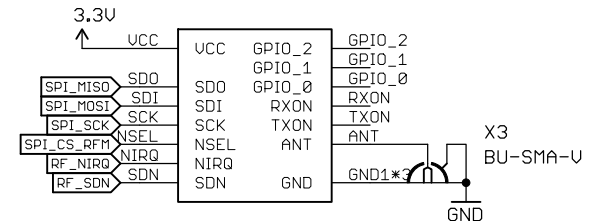
## GPS Module



## RF Splitter (2 Way, 0deg DC-Pass)



## HopeRF RFM23B module at 3.3V



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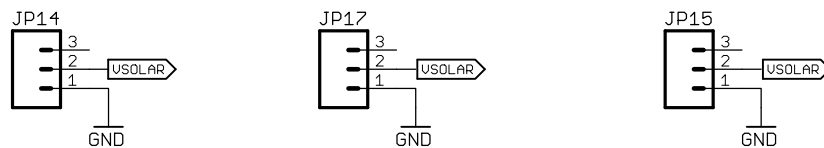
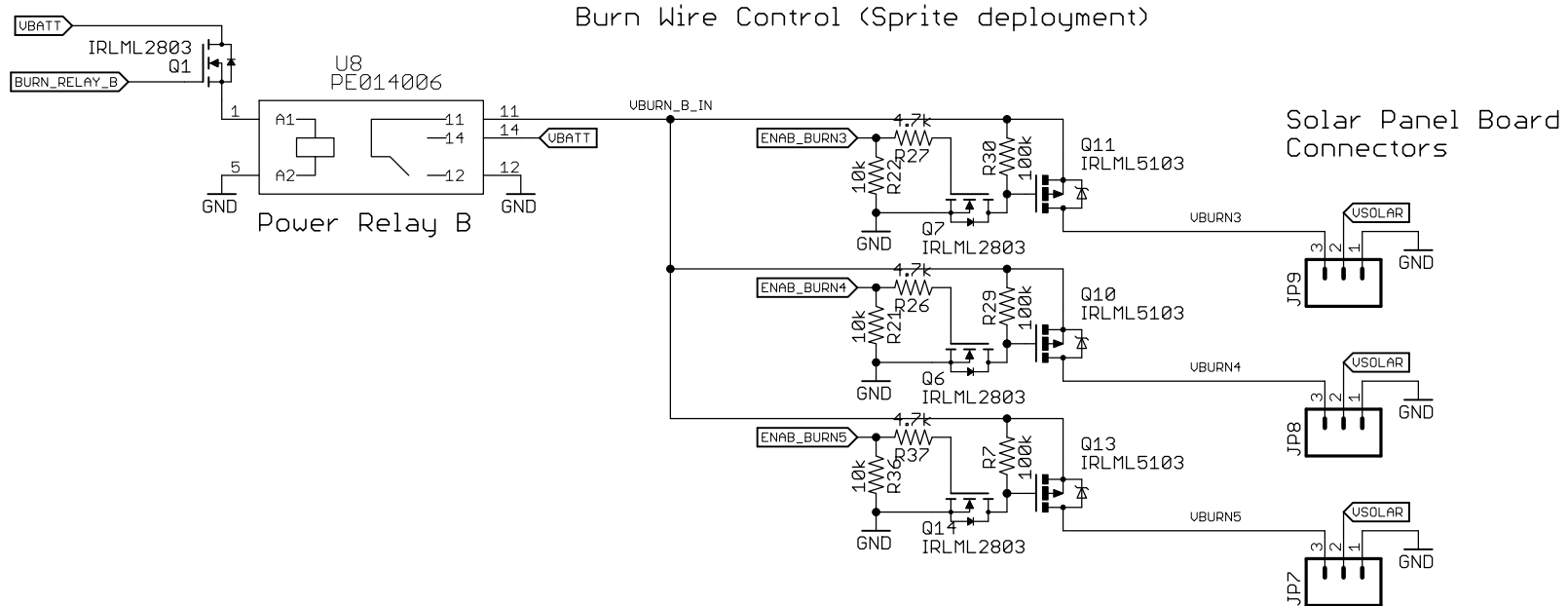
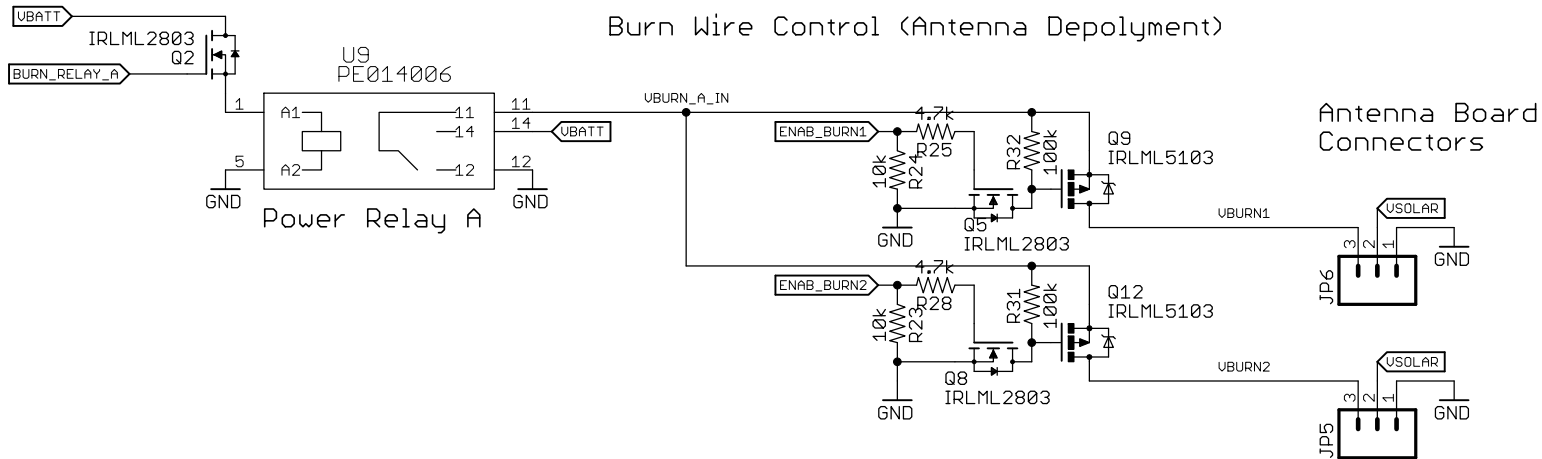
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