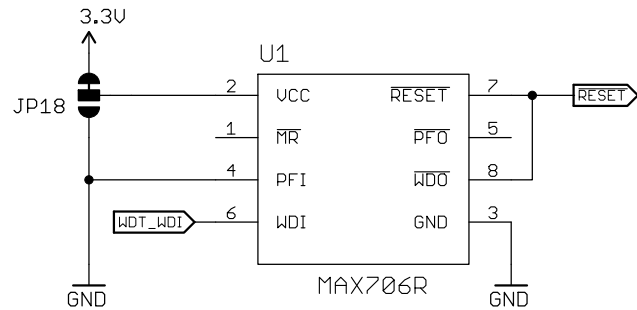
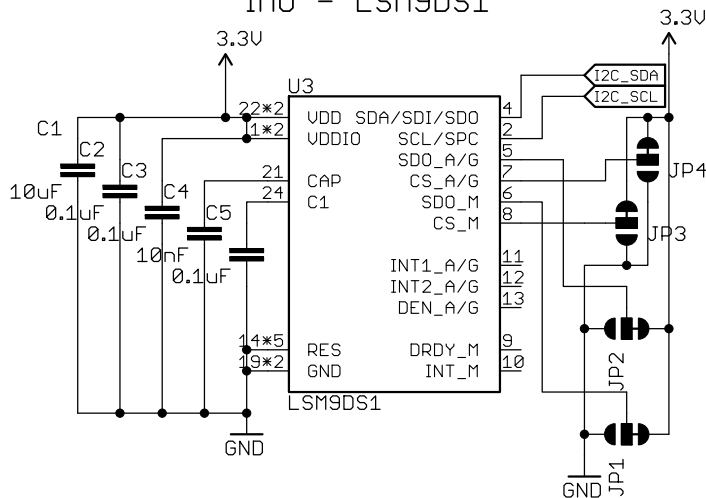


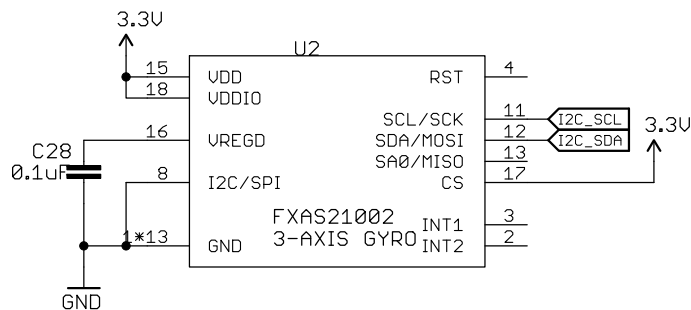
External WDT



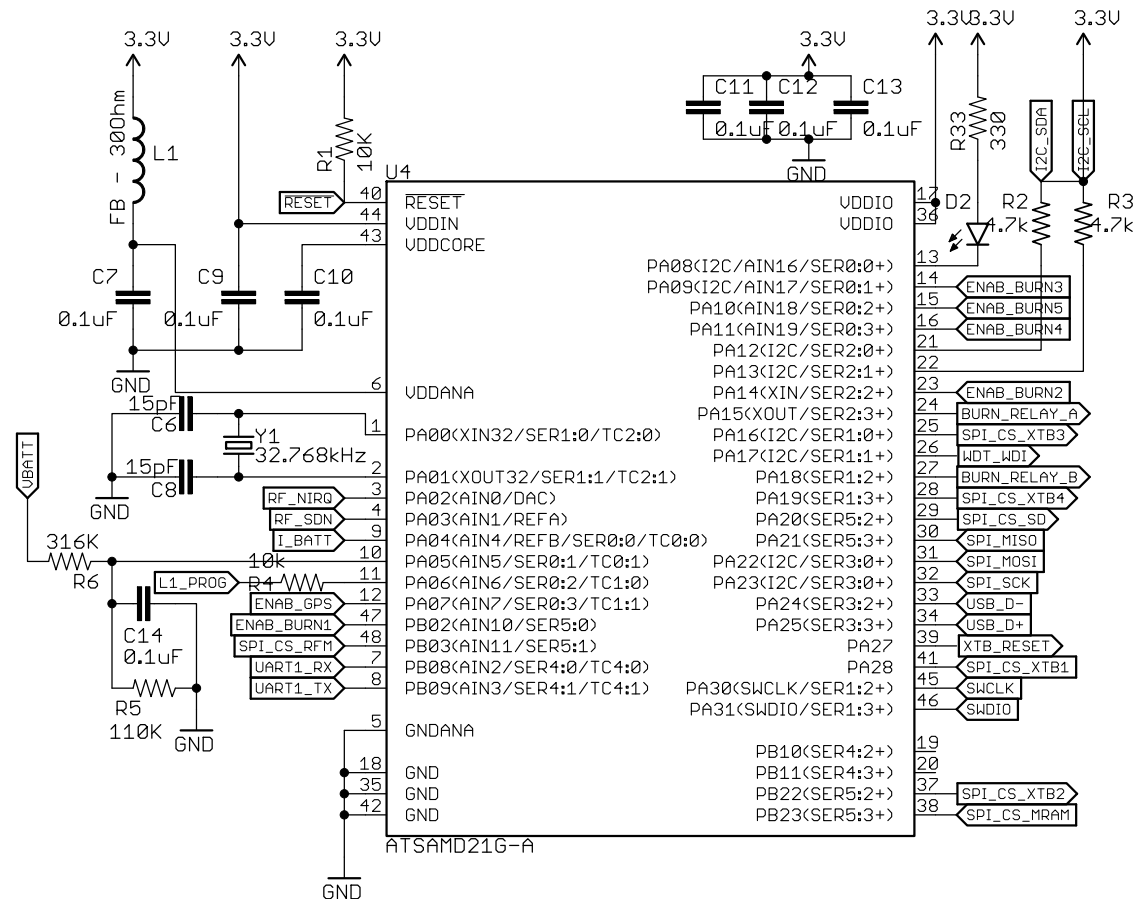
IMU - LSM9DS1



3-AXIS GYROSCOPE ADDRESS = 0x21



ATSAMD21G18 32-bit ARM Microprocessor



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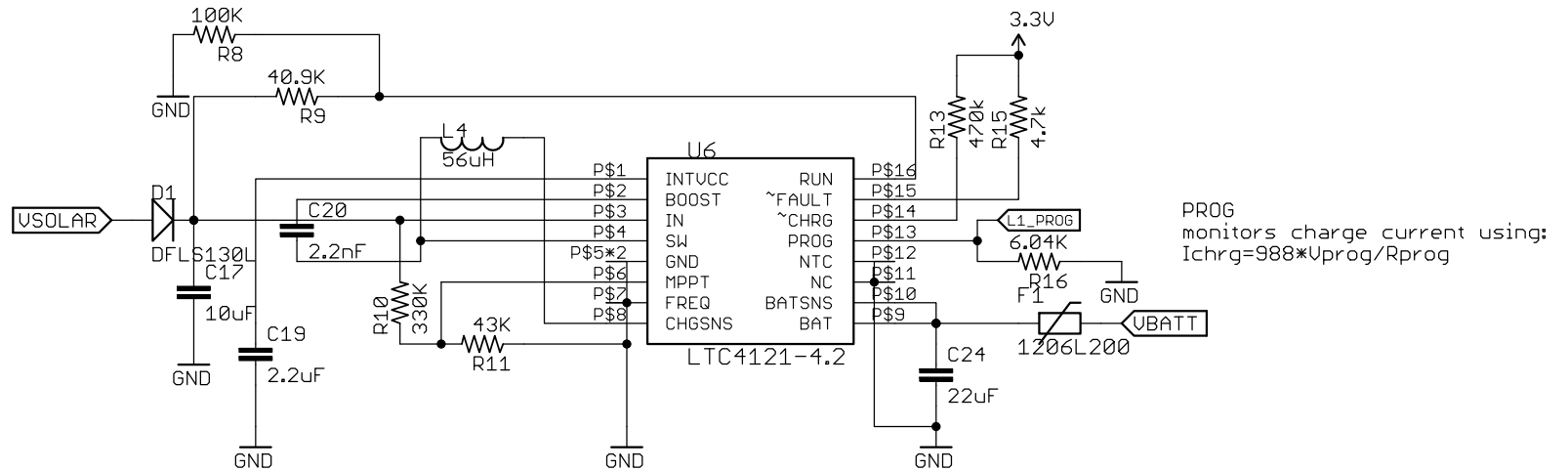
Design by:
Zac Manchester, Max Holliday

REV:
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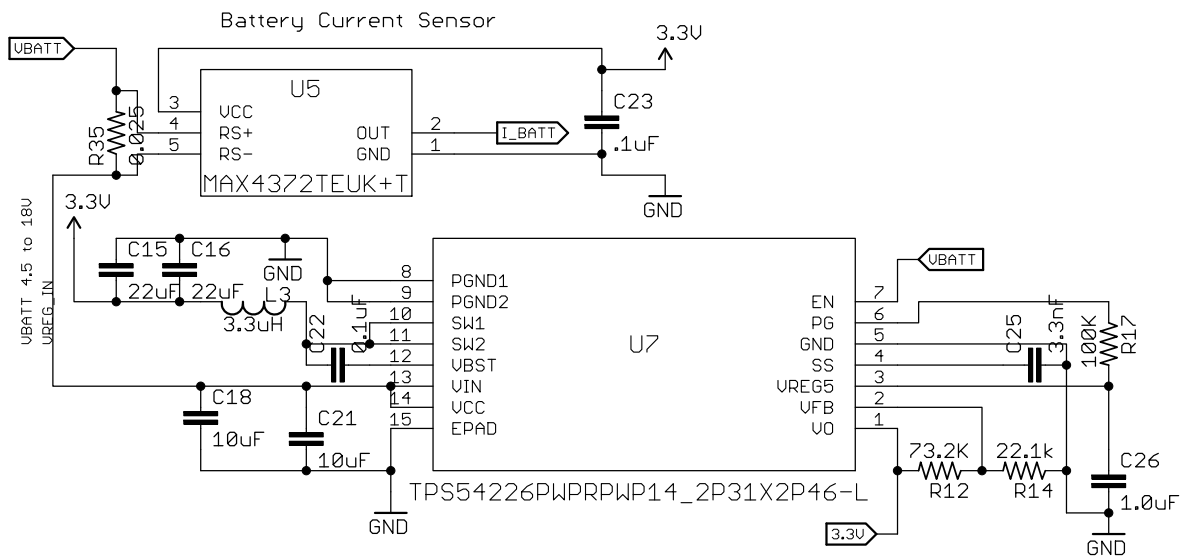
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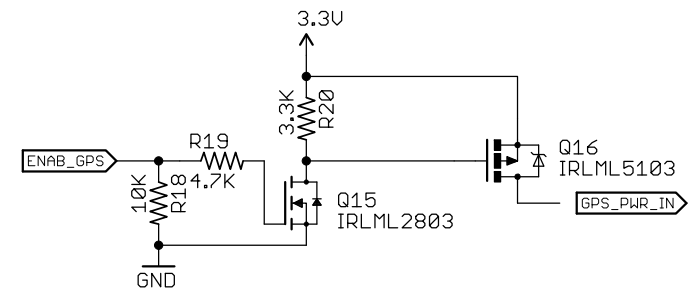
2s2P Li-Ion Battery Charging Circuit



Regulator - 3.3V OUT



GPS Power



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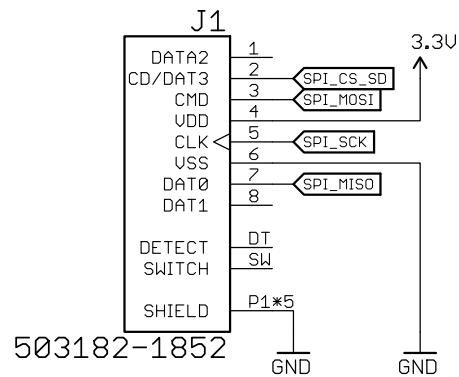
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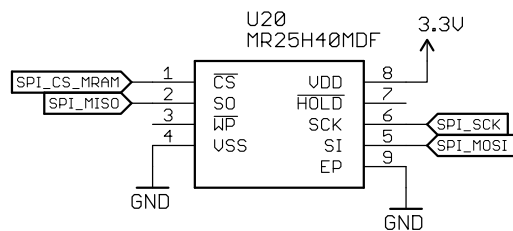
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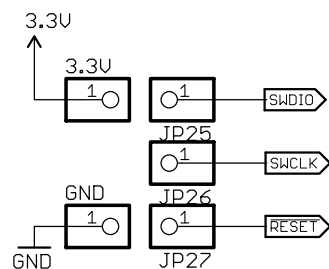
MicroSD Card



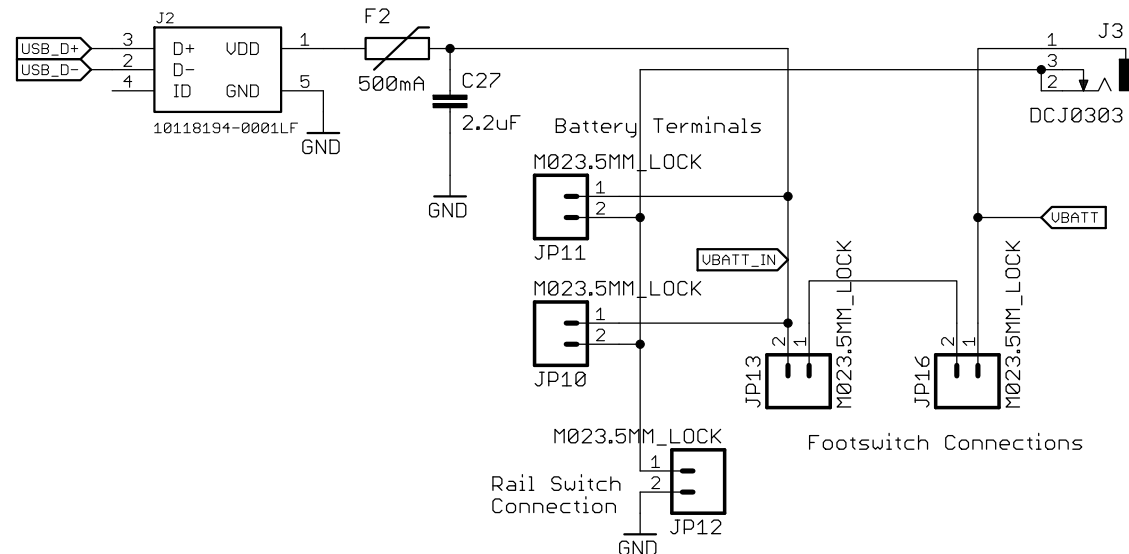
MRAM - Nonvolatile Memory (4MB storage)



JTAG



Power Connectors: USB, Barrel Plug, Battery



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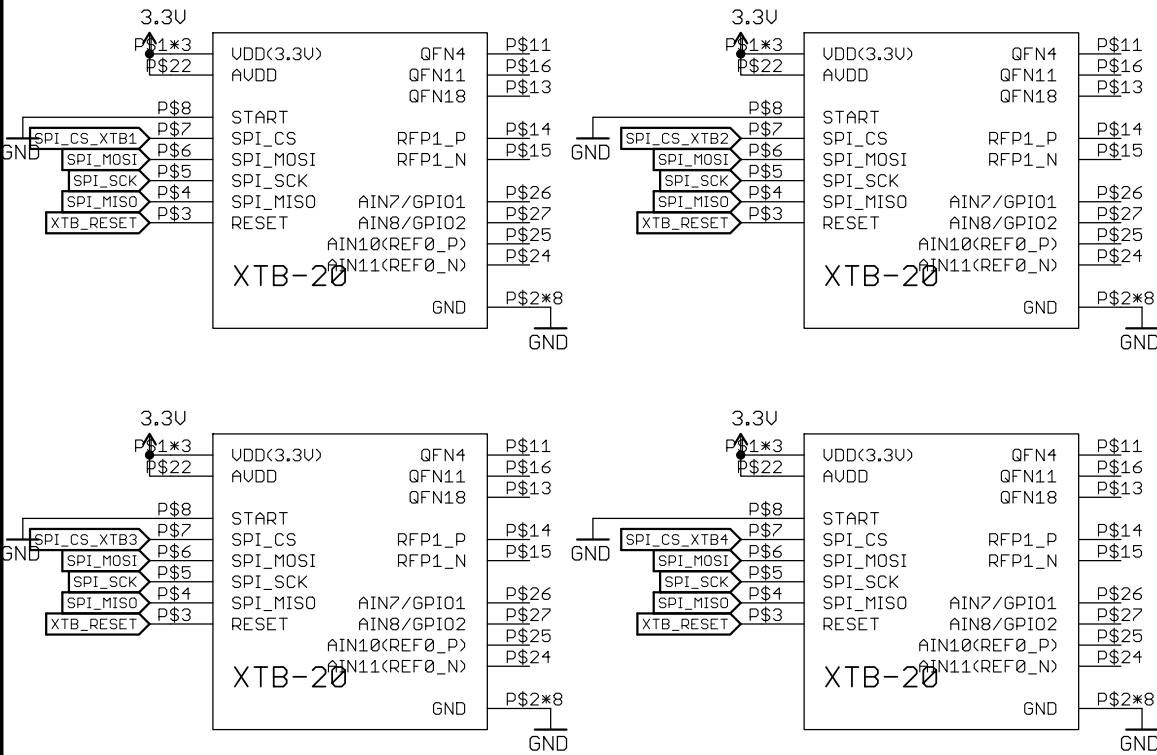
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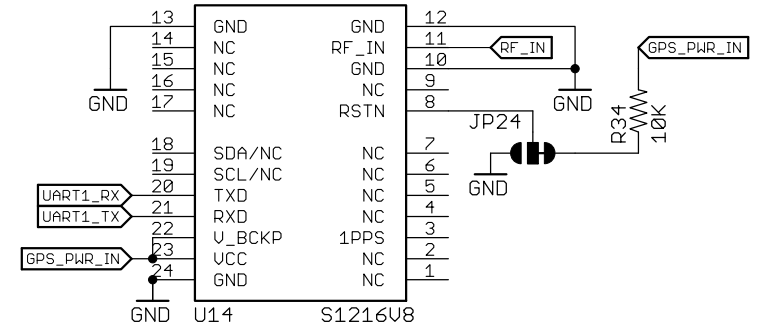
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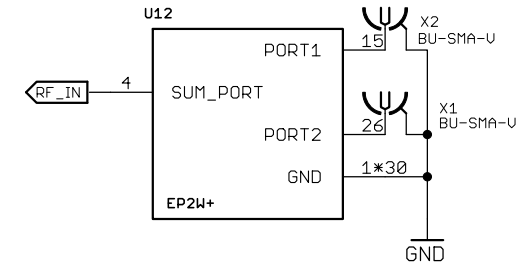
Sensor Modules



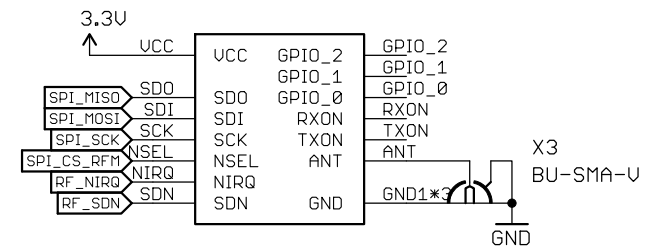
GPS Module



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



HoperRF RFM23B module at 3.3V



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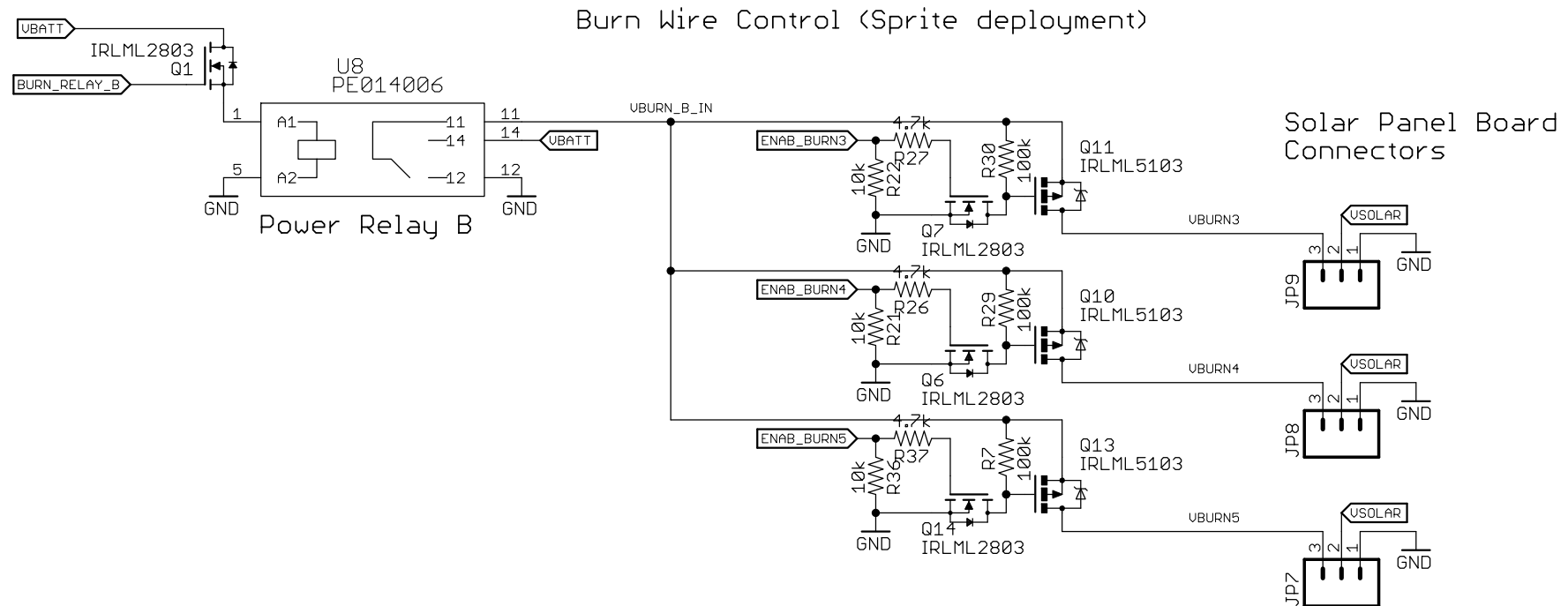
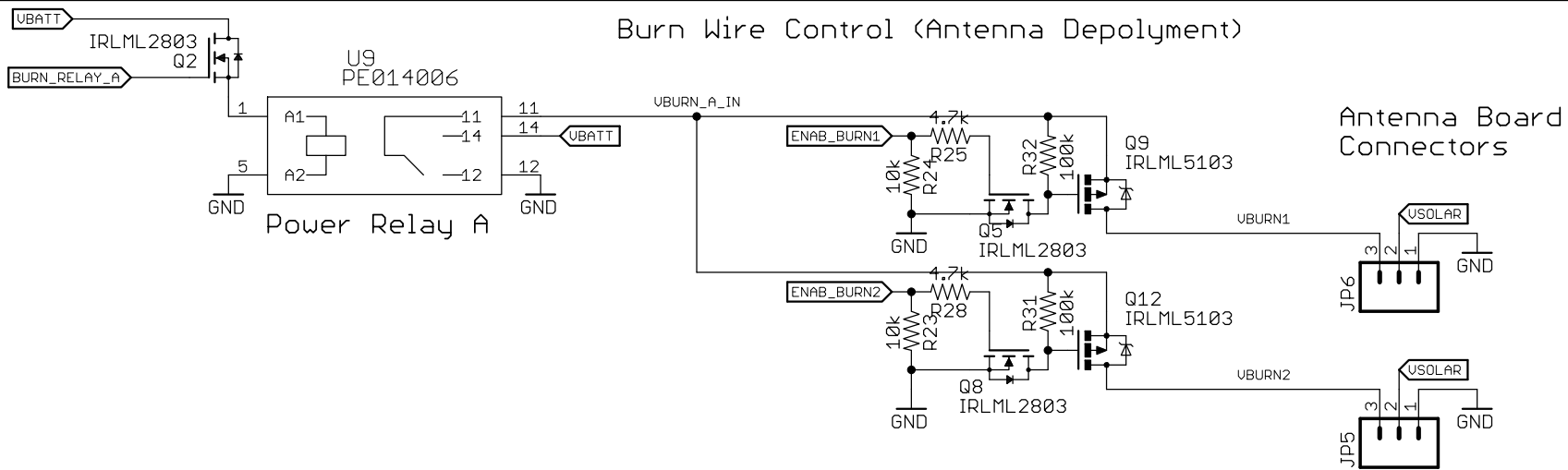
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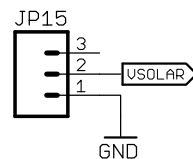
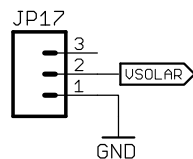
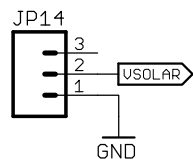
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Solar Panel Connectors



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