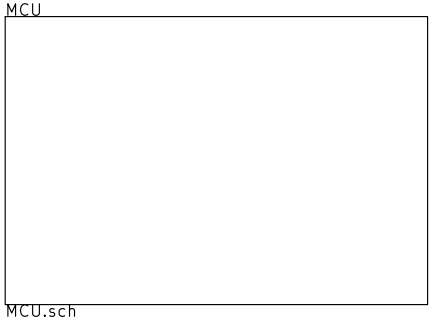
Power and FTDI

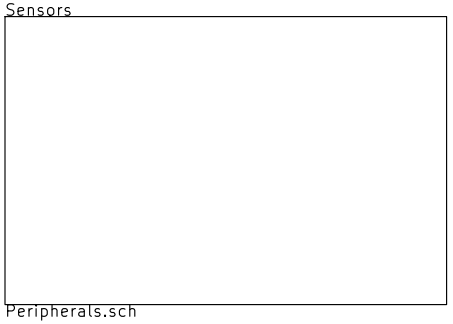
Power.sch

MCU



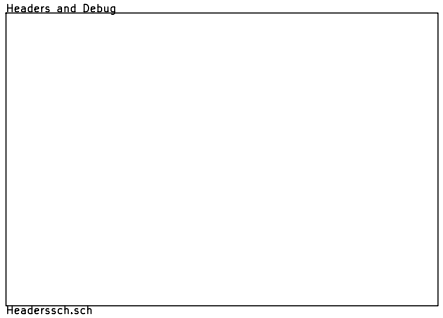
MCU.sch

Sensors



Peripherals.sch

Headers and Debug



Headerssch.sch

TO DO:

Stiching around edge for EMI

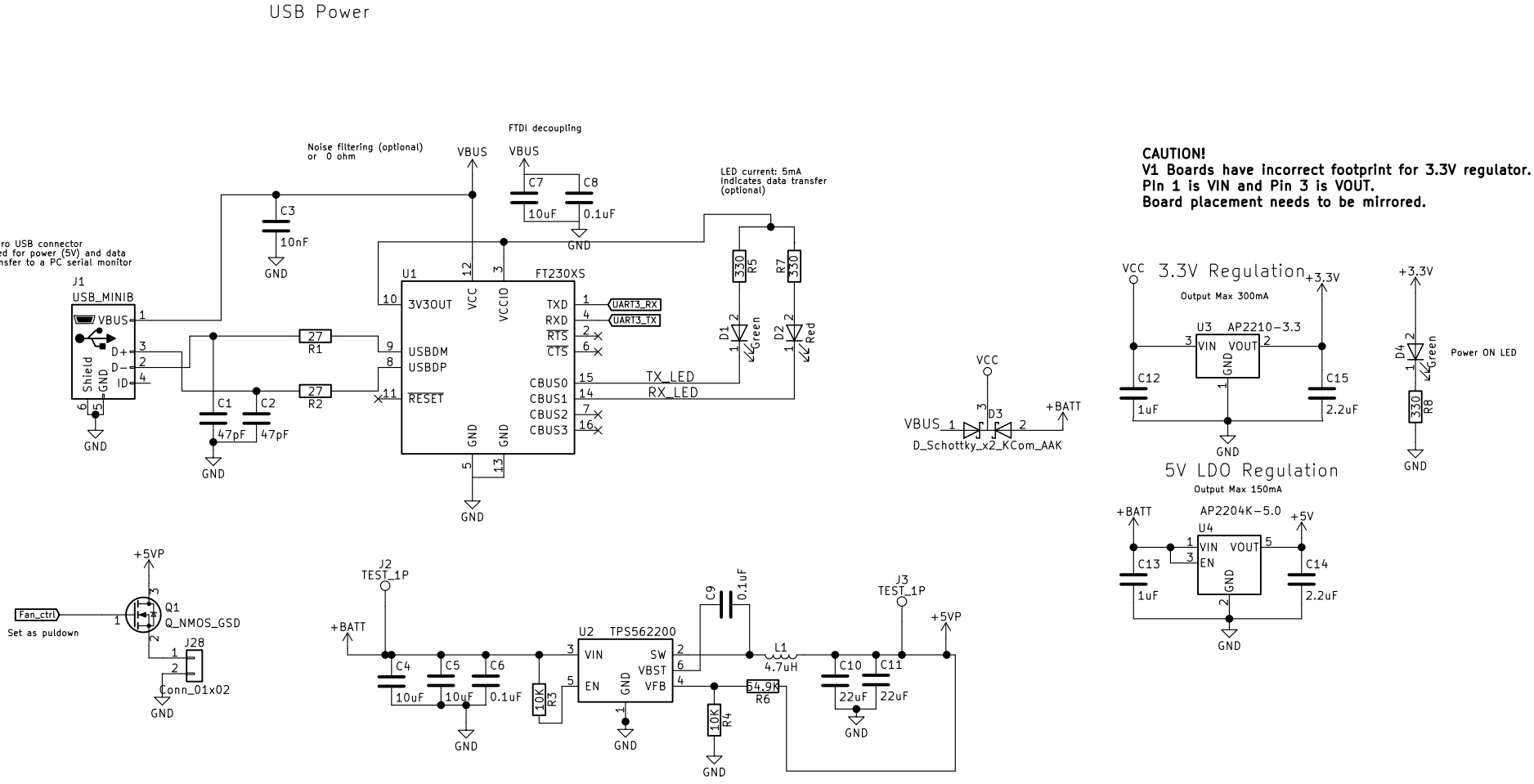
-Fix sheet file names

Garnet Tanner
Andromeda
**SOAR**

Sheet: /
File: AndromedaV2.sch

***Title: SOAR Avionics Flight***

| Size: USLetter | Date: 2018-04-29 | **Rev: 1** |
|---|---|---|
| KiCad E.D.A. kicad 4.0.7 | | Id: 1/5 |



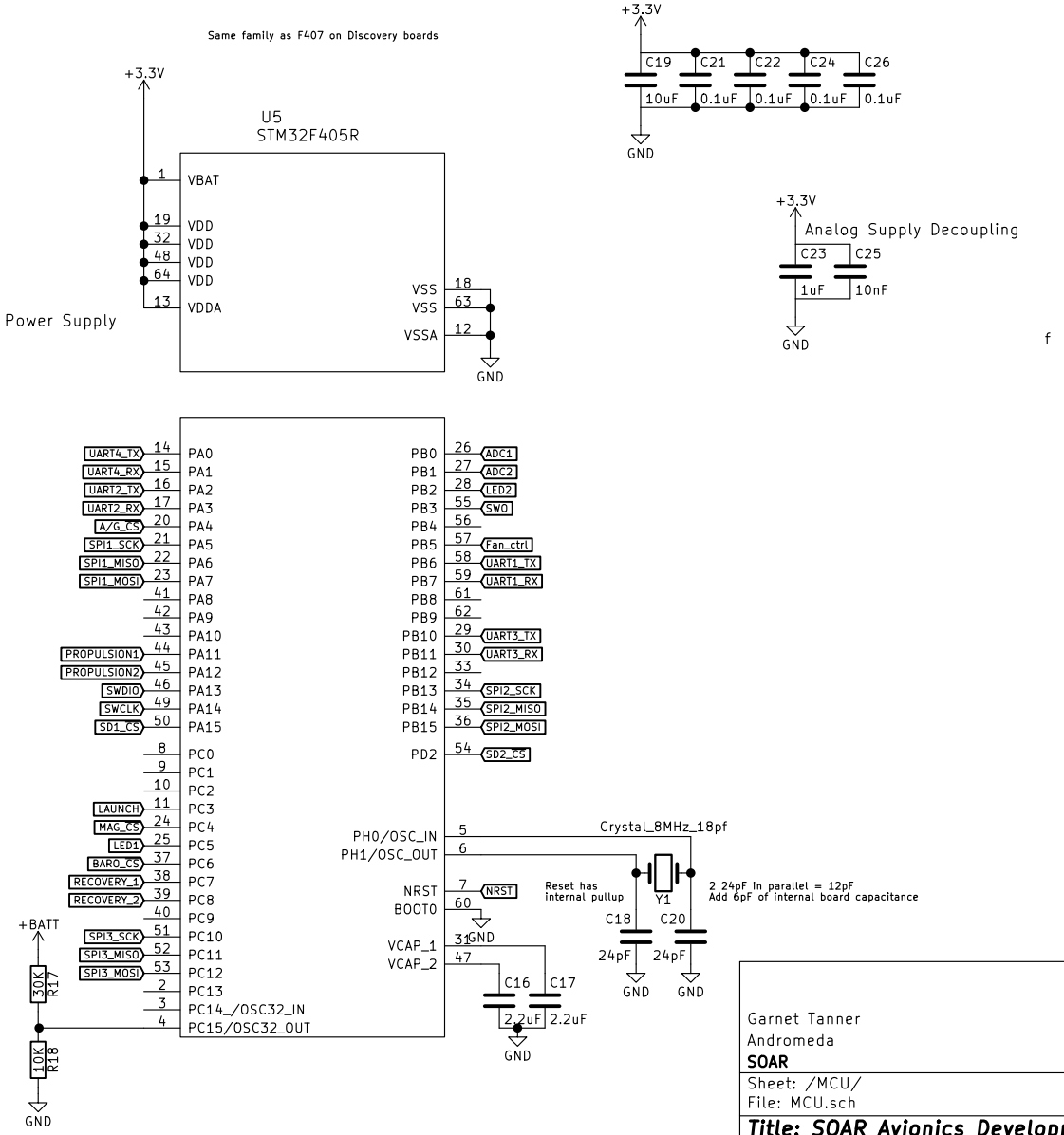

| | | |
|---|---|---|
| Garnet Tanner | | |
| Andromeda | | |
| **SOAR** | | |
| Sheet: /Power and FTDI/ | | |
| File: Power.sch | | |
| ***Title: SOAR Avionics Development Board*** | | |
| Size: A4 | Date: 2017-12-03 | **Rev: 1** |
| KiCad E.D.A. kicad 4.0.7 | | Id: 2/5 |

See STM32 Hardware Design Guide for schematic example

Digital Decoupling
1 100nF for each power supply (place close to each VDD pin)
plus 1 10uF

# STM32F405

Same family as F407 on Discovery boards

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|---|---|---|
| Garnet Tanner | | |
| Andromeda | | |
| **SOAR** | | |
| Sheet: /MCU/ | | |
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| ***Title: SOAR Avionics Development Board*** | | |
| Size: A4 | Date: 2017-12-03 | **Rev: 1** |
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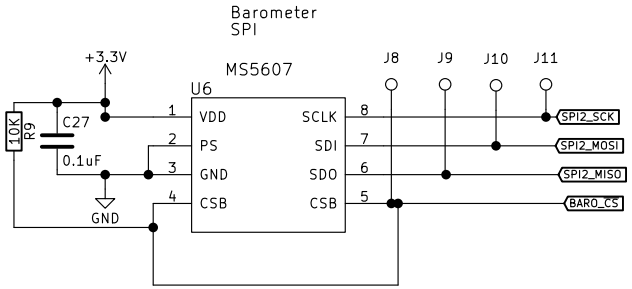
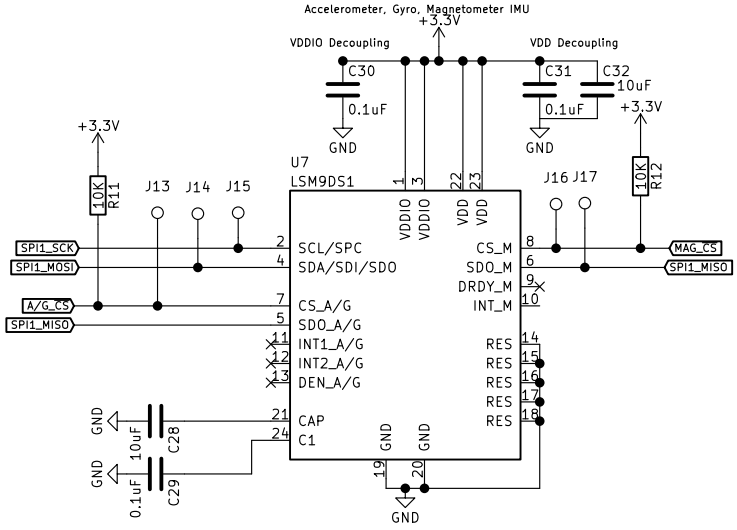
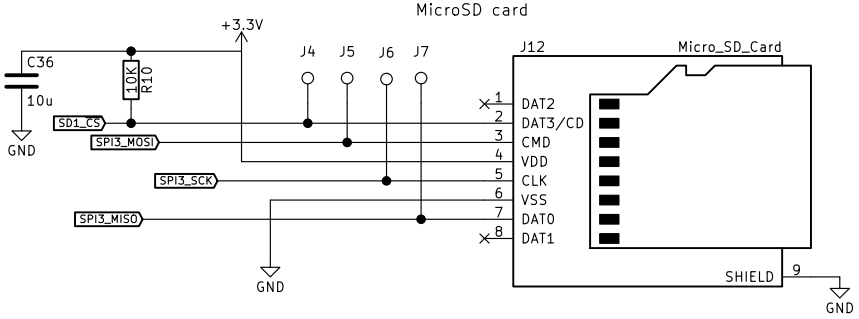


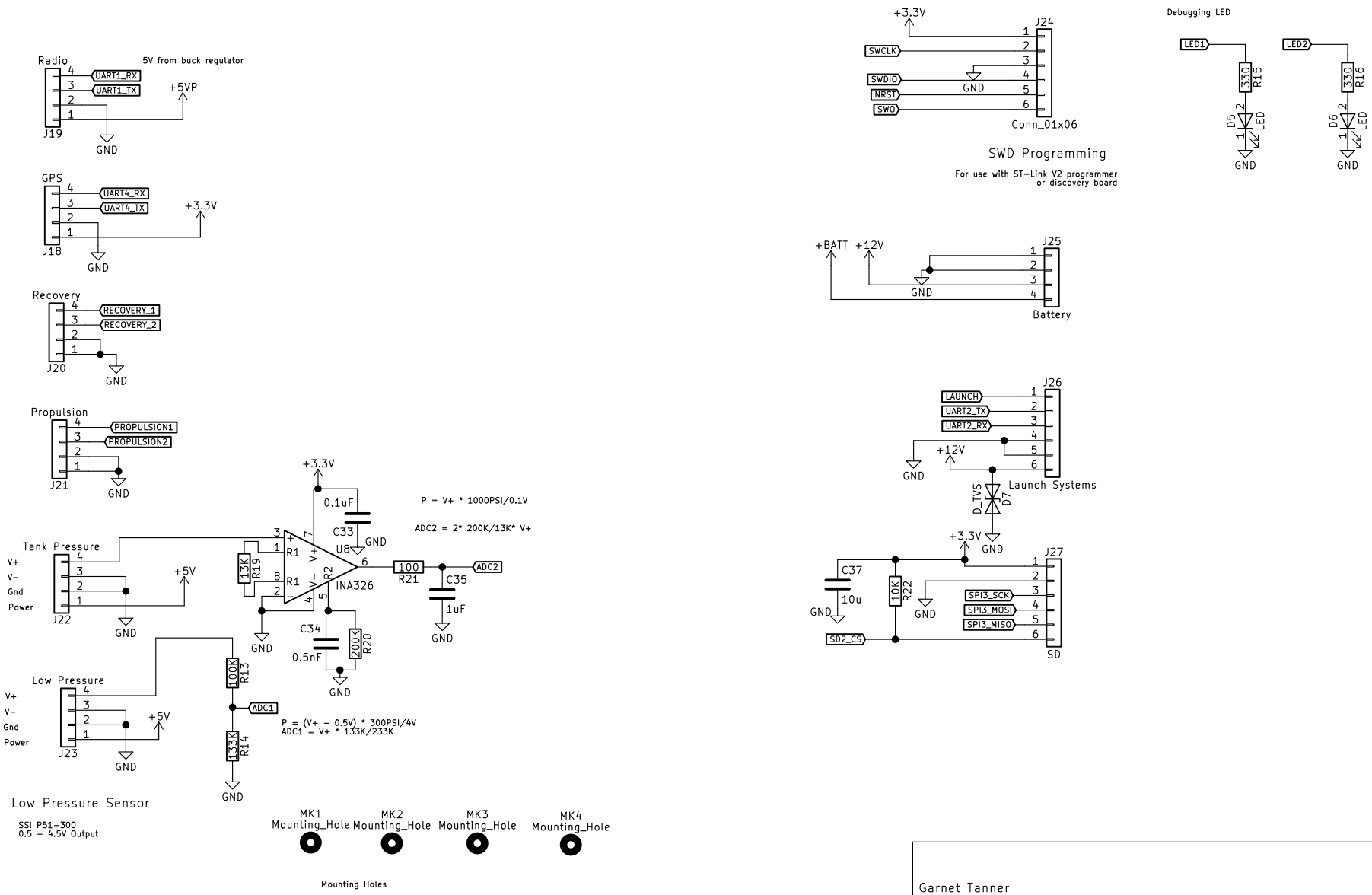




Garnet Tanner
Andromeda
**SOAR**

Sheet: /Sensors/
File: Peripherals.sch

***Title: SOAR Avionics Development Board***

| Size: A4 | Date: 2017-12-03 | **Rev: 1** |
|---|---|---|
| KiCad E.D.A. kicad 4.0.7 | | Id: 4/5 |




| | | |
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| Garnet Tanner | | |
| Andromeda | | |
| **SOAR** | | |
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