

Sheet: Power and FTDI

File: Power.sch

Sheet: MCU

File: MCU.sch

Sheet: Sensors

File: Peripherals.sch

Sheet: Headers and Debug

File: Headers.sch

TO DO:

Stiching around edge for EMI

–Fix sheet file names

Prithvi Shankara
Andromeda

SOAR

Sheet: /

File: AndromedaV2.2.sch

Title: SOAR Avionics Sensor Board

Size: USLetter Date: 2019-05-10

KiCad E.D.A. kicad (5.0.2)-1

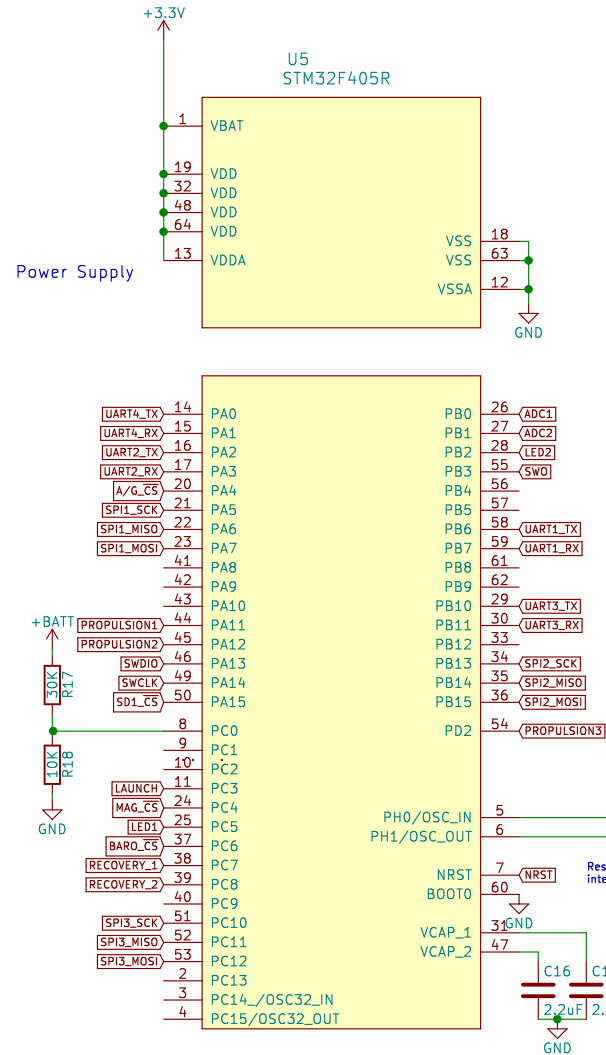
Rev: 2

Id: 1/5

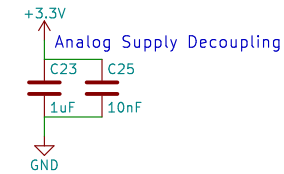
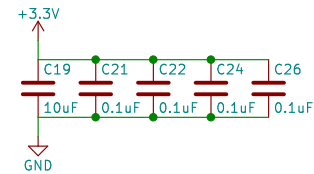
See STM32 Hardware Design Guide for schematic example

STM32F405

Same family as F407 on Discovery boards



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



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Sheet: /MCU/
File: MCU.sch

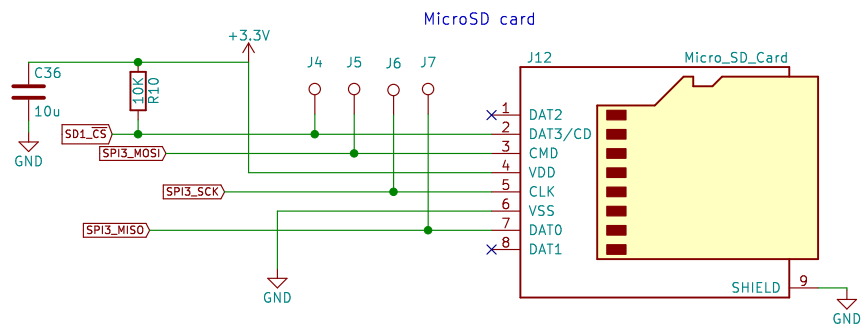
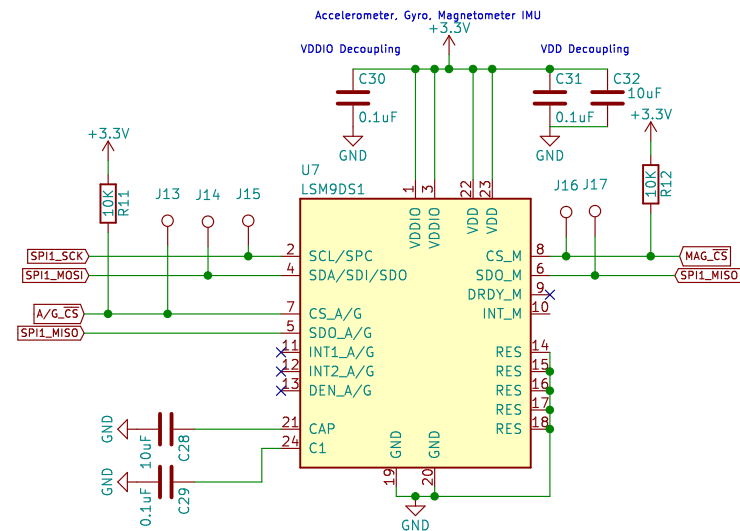
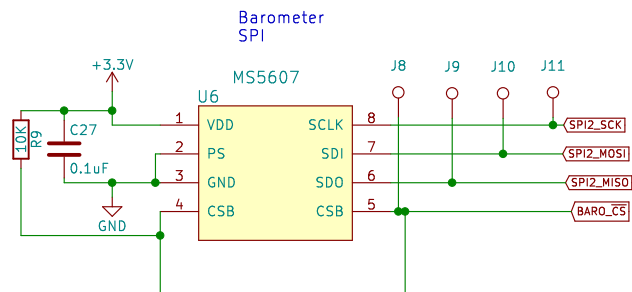
Title: SOAR Avionics Sensor Board

Size: A4 Date: 2019-05-10

KiCad E.D.A. kicad (5.0.2)-1

Rev: 2

Id: 3/5



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Sheet: /Sensors/
File: Peripherals.sch

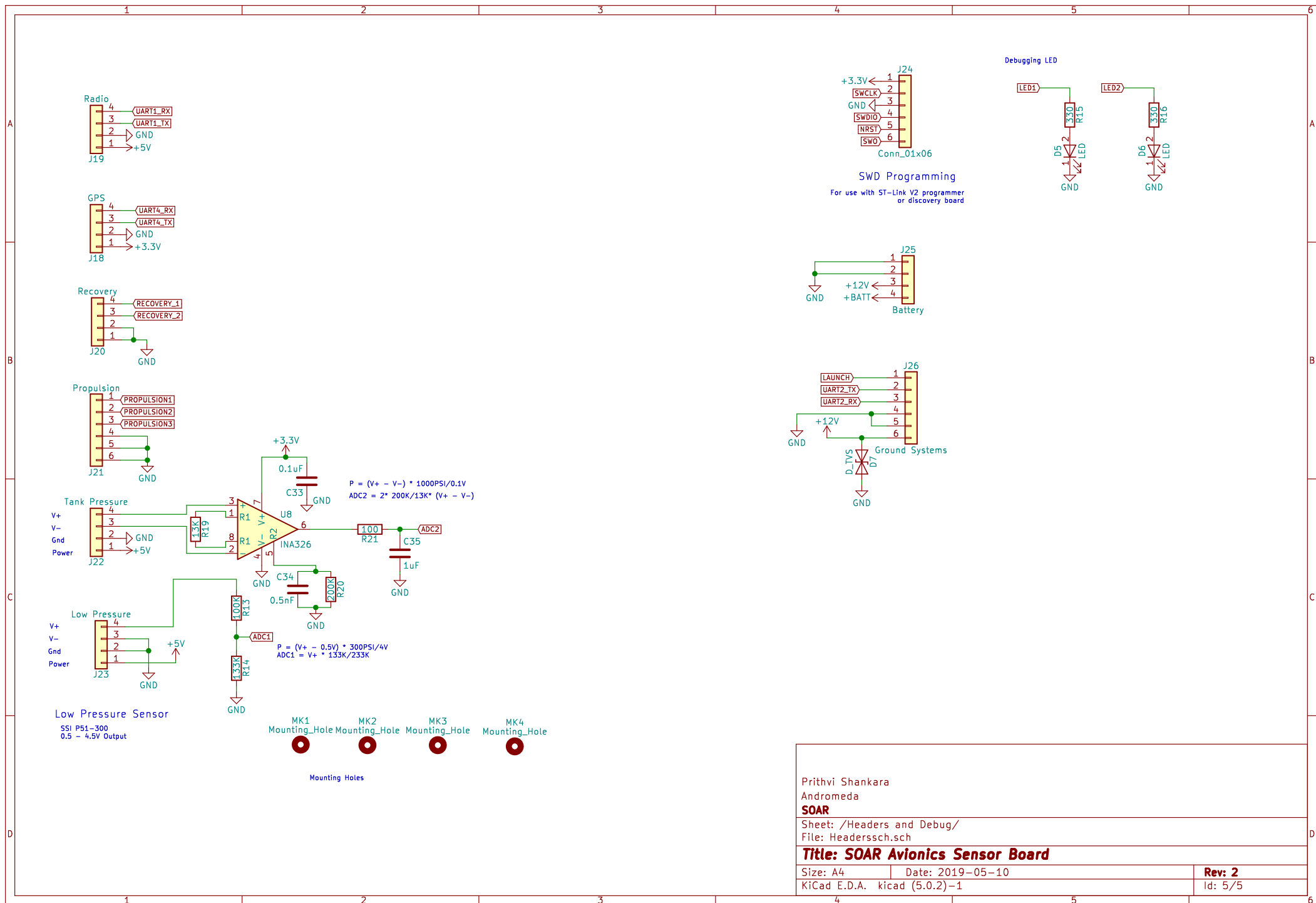
Title: SOAR Avionics Sensor Board

Size: A4 Date: 2019-05-10

KiCad E.D.A. kicad (5.0.2)-1

Rev: 2

Id: 4/5



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Sheet: /Headers and Debug/
File: Headers.sch

Title: SOAR Avionics Sensor Board

Size: A4 Date: 2019-05-10

KiCad E.D.A. kicad (5.0.2)-1

Rev: 2

Id: 5/5