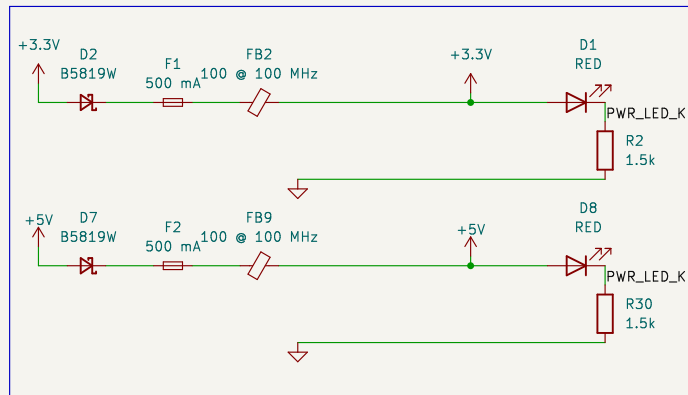
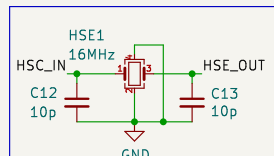


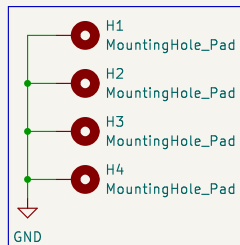
Circuit Protection



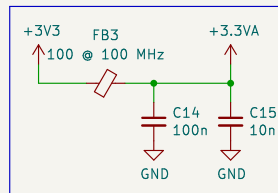
Crystal Oscillator



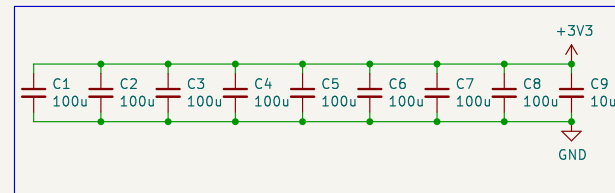
Mounting Holes



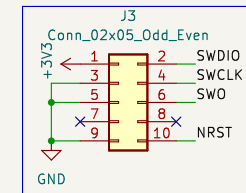
ADC Reference Voltage Filter



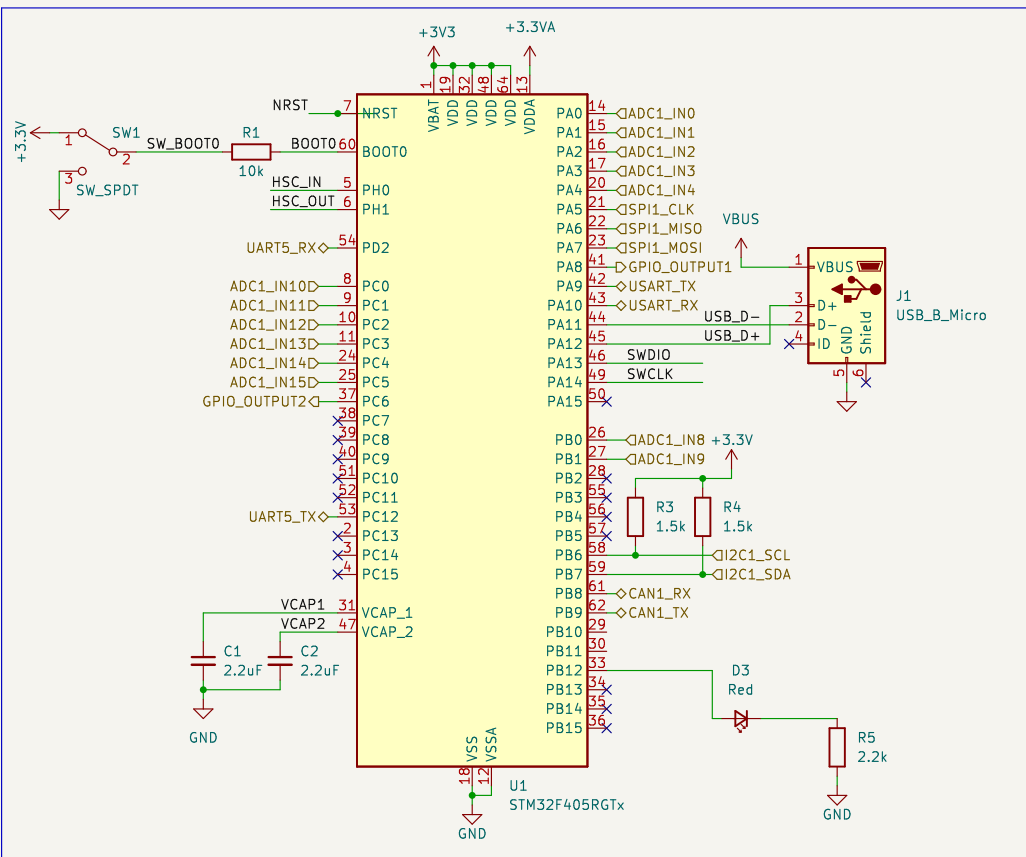
Decoupling Capacitors: 2x100u per VDD + 10u bulk close to chip



SWD Header



Microcontroller



By: Dylan Haussecker

Sheet: /MICROCONTROLLER/
File: STM32F405RGT6.kicad_sch

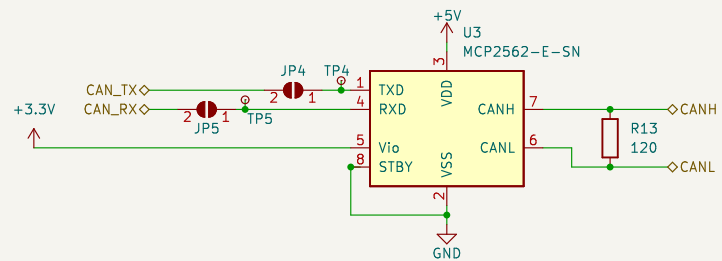
Title: Avionics Flight Computer

Size: A4 Date: 2023-09-04

KiCad E.D.A. kicad 7.0.7

Rev: 1.0

Id: 2/20



By: Dylan Haussecker

Sheet: /CAN CONTROLLER/

File: MCP2562-E-SN.kicad_sch

Title: Avionics Flight Computer

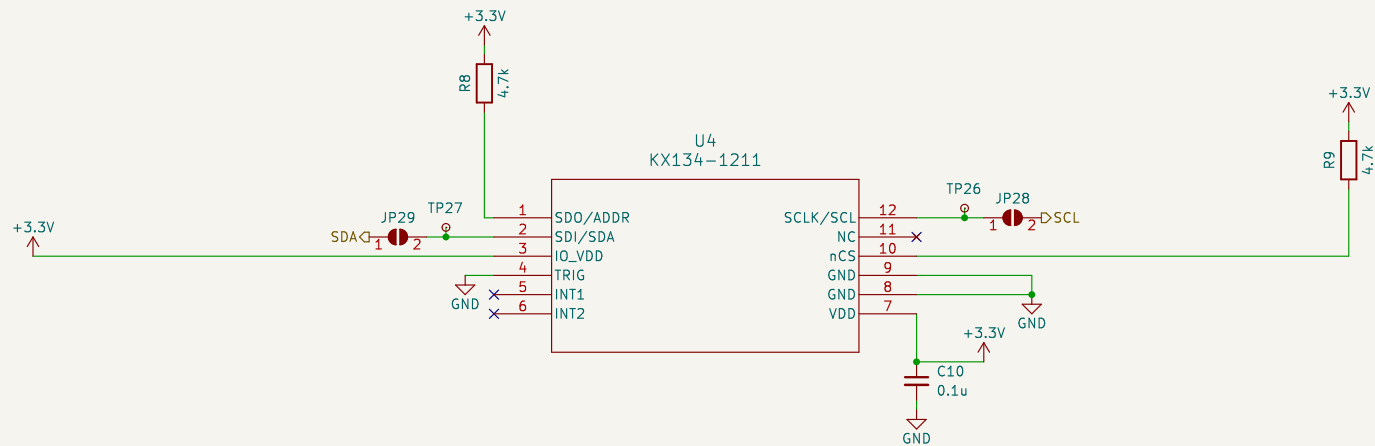
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Date: 2023-09-04

Rev: 1.0

KiCad E.D.A. kicad 7.0.7

Id: 3/20



By: Dylan Haussecker

Sheet: /ACCELEROMETER/

File: KX134-1211.kicad_sch

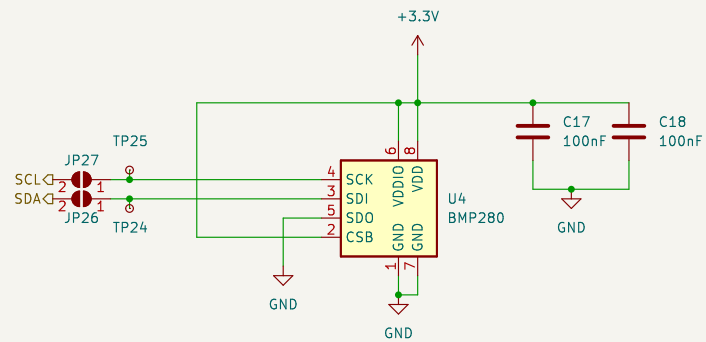
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Size: A4 Date: 2023-09-04

KiCad E.D.A. kicad 7.0.7

Rev: 1.0

Id: 4/20



By: Dylan Haussecker

Sheet: /BAROMETER/

File: BMP280.kicad_sch

Title: Avionics Flight Computer

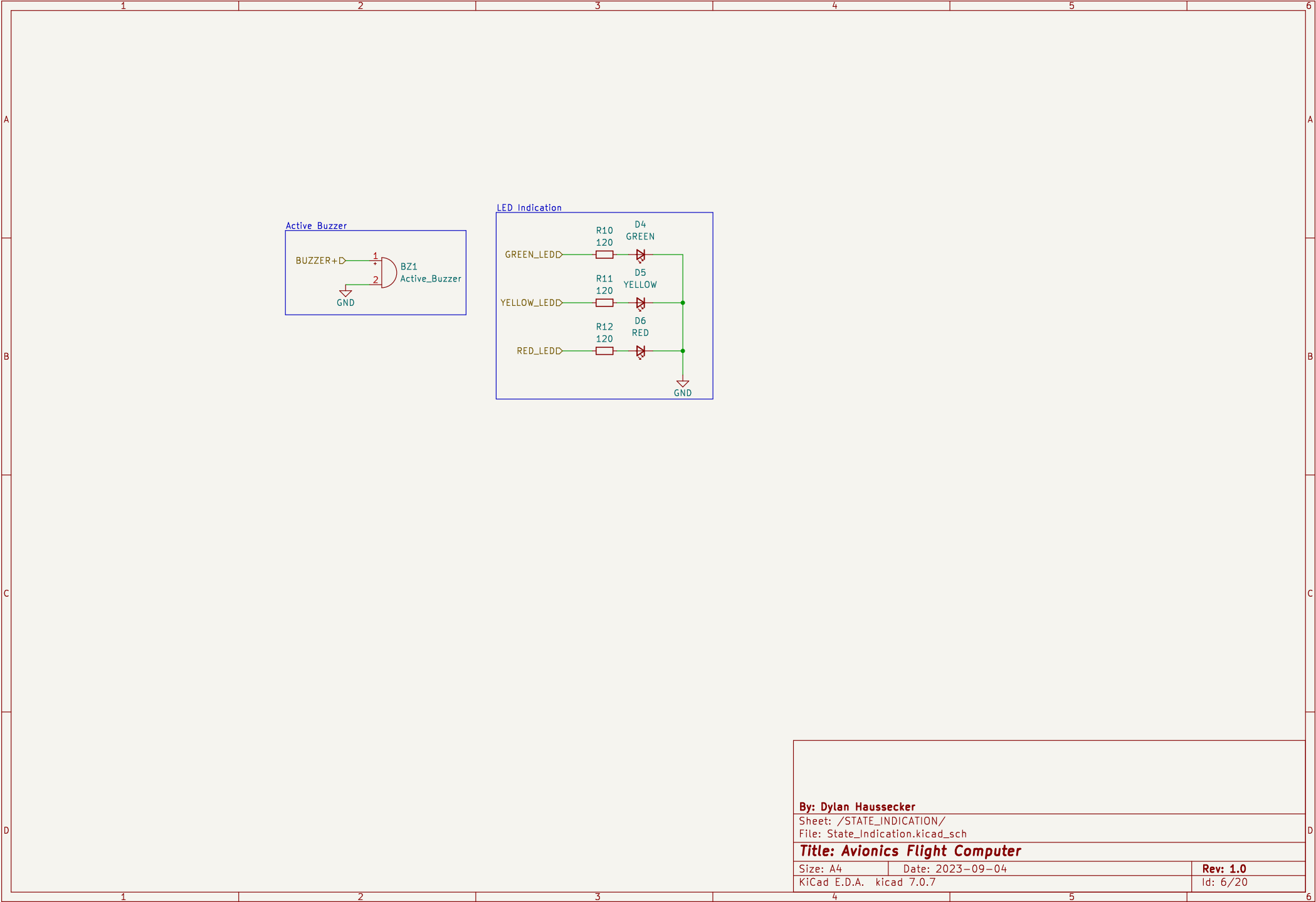
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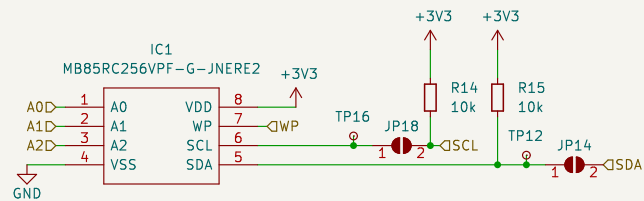
Date: 2023-09-04

Rev: 1.0

KiCad E.D.A. kicad 7.0.7

Id: 5/20





By: Dylan Haussecker

Sheet: /FRAM1/

File: MB85RC256VPF-G-JNERE2.kicad_sch

Title: Avionics Flight Computer

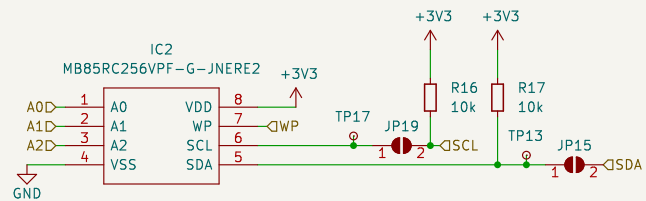
Size: A4

Date: 2023-09-04

Rev: 1.0

KiCad E.D.A. kicad 7.0.7

Id: 7/20



By: Dylan Haussecker

Sheet: /FRAM2/

File: MB85RC256VPF-G-JNERE2.kicad_sch

Title: Avionics Flight Computer

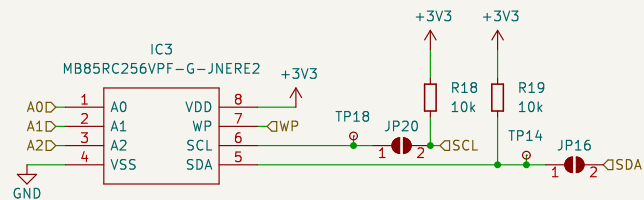
Size: A4

Date: 2023-09-04

Rev: 1.0

KiCad E.D.A. kicad 7.0.7

Id: 8/20



By: Dylan Haussecker

Sheet: /FRAM3/

File: MB85RC256VPF-G-JNERE2.kicad_sch

Title: Avionics Flight Computer

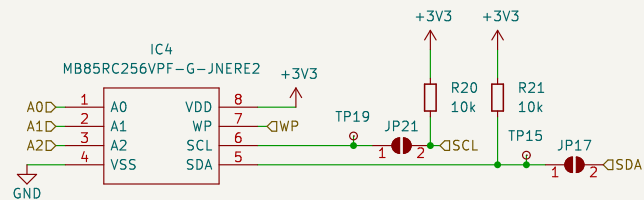
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Date: 2023-09-04

Rev: 1.0

KiCad E.D.A. kicad 7.0.7

Id: 9/20



By: Dylan Haussecker

Sheet: /FRAM4/

File: MB85RC256VPF-G-JNERE2.kicad_sch

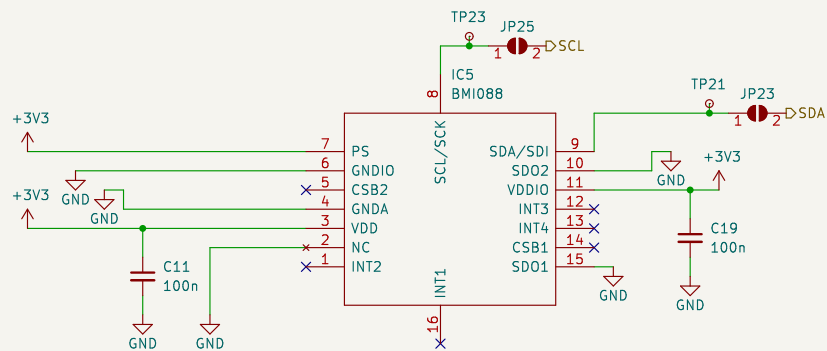
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Size: A4 Date: 2023-09-04

KiCad E.D.A. kicad 7.0.7

Rev: 1.0

Id: 10/20



By: Dylan Haussecker

Sheet: /IMU/
File: BMI088.kicad_sch

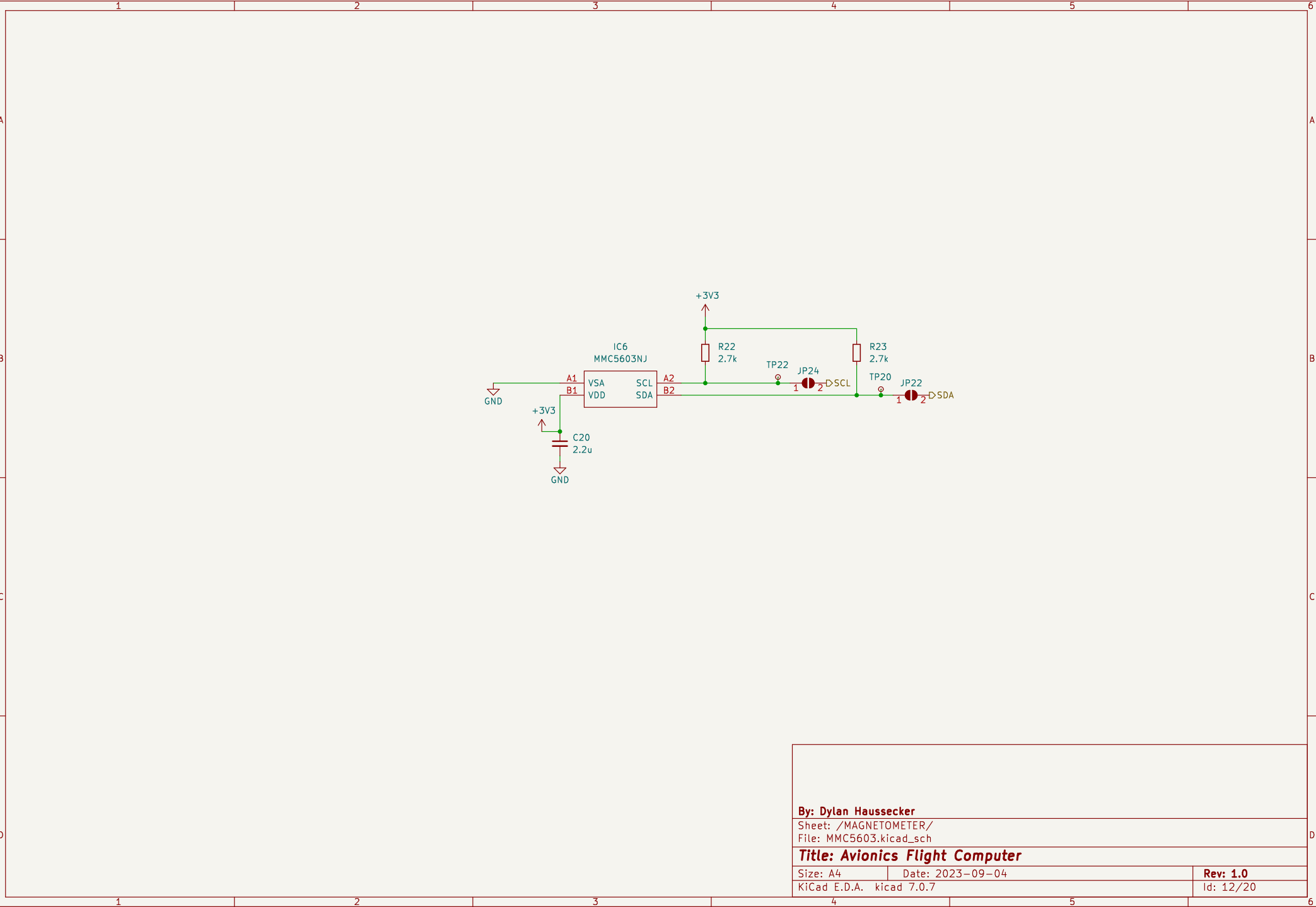
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Size: A4 Date: 2023-09-04

KiCad E.D.A. kicad 7.0.7

Rev: 1.0

Id: 11/20



By: Dylan Haussecker

Sheet: /MAGNETOMETER/
File: MMC5603.kicad_sch

Title: Avionics Flight Computer

Size: A4

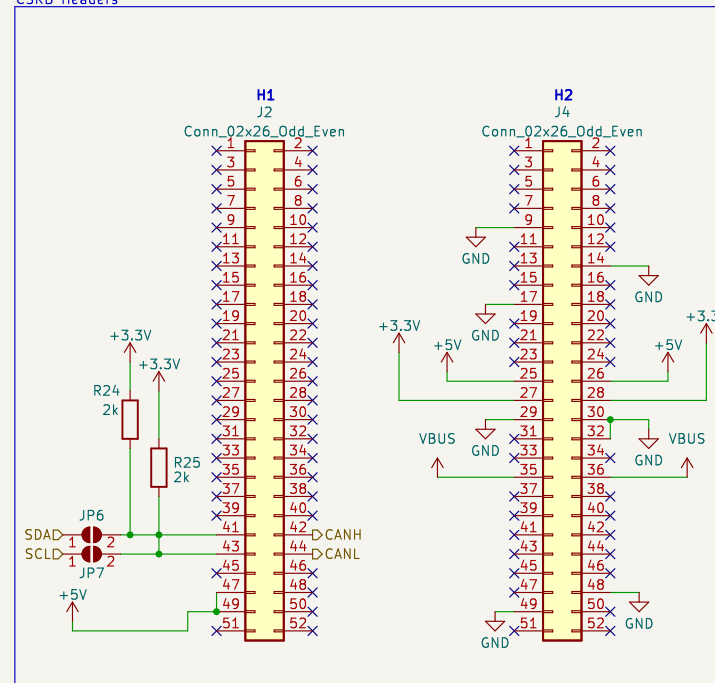
Date: 2023-09-04

Rev: 1.0

KiCad E.D.A. kicad 7.0.7

Id: 12/20

CSKB Headers



By: Dylan Haussecker

Sheet: /Connector/

File: Connector.kicad_sch

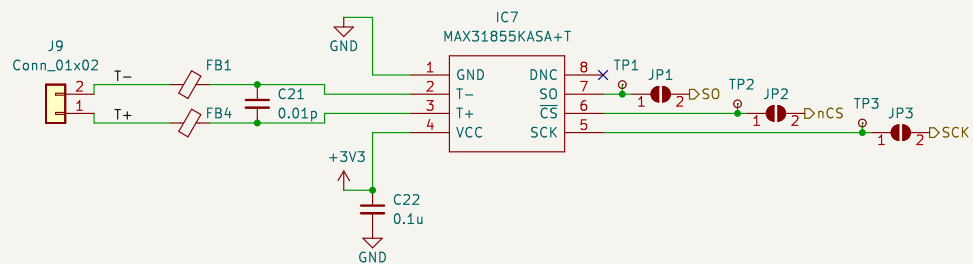
Title: Avionics Flight Computer

Size: A4 Date: 2023-09-04

KiCad E.D.A. kicad 7.0.7

Rev: 1.0

Id: 13/20



By: Dylan Haussecker

Sheet: /THERMOCOUPLE1/

File: MAX31855KASA+T.kicad_sch

Title: Avionics Flight Computer

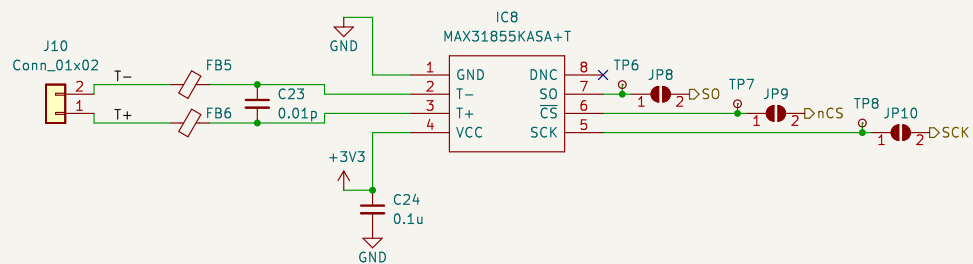
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Date: 2023-09-04

Rev: 1.0

KiCad E.D.A. kicad 7.0.7

Id: 14/20



By: Dylan Haussecker

Sheet: /THERMOCOUPLE2/

File: MAX31855KASA+T.kicad_sch

Title: Avionics Flight Computer

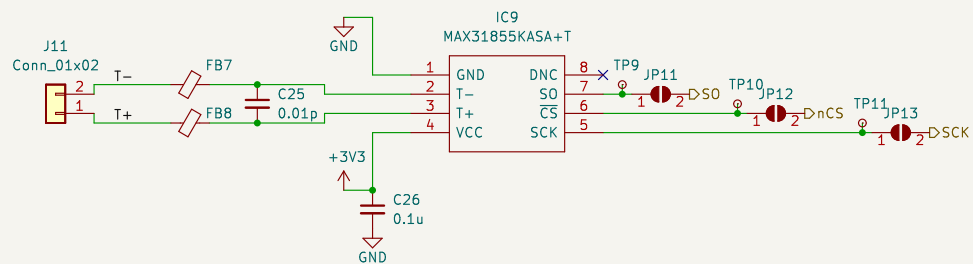
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Date: 2023-09-04

Rev: 1.0

KiCad E.D.A. kicad 7.0.7

Id: 15/20



By: Dylan Haussecker

Sheet: /THERMOCOUPLE3/

File: MAX31855KASA+T.kicad_sch

Title: Avionics Flight Computer

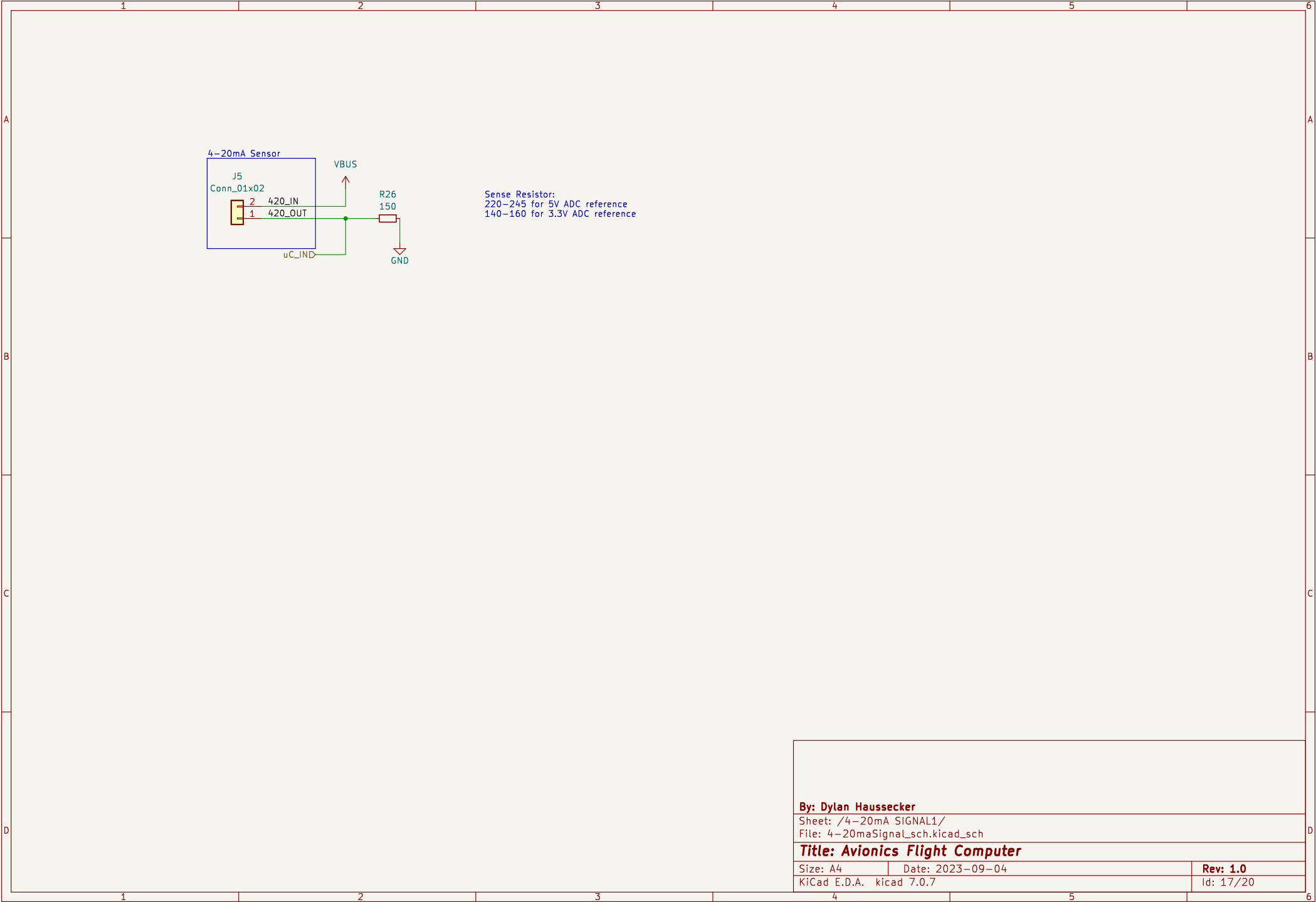
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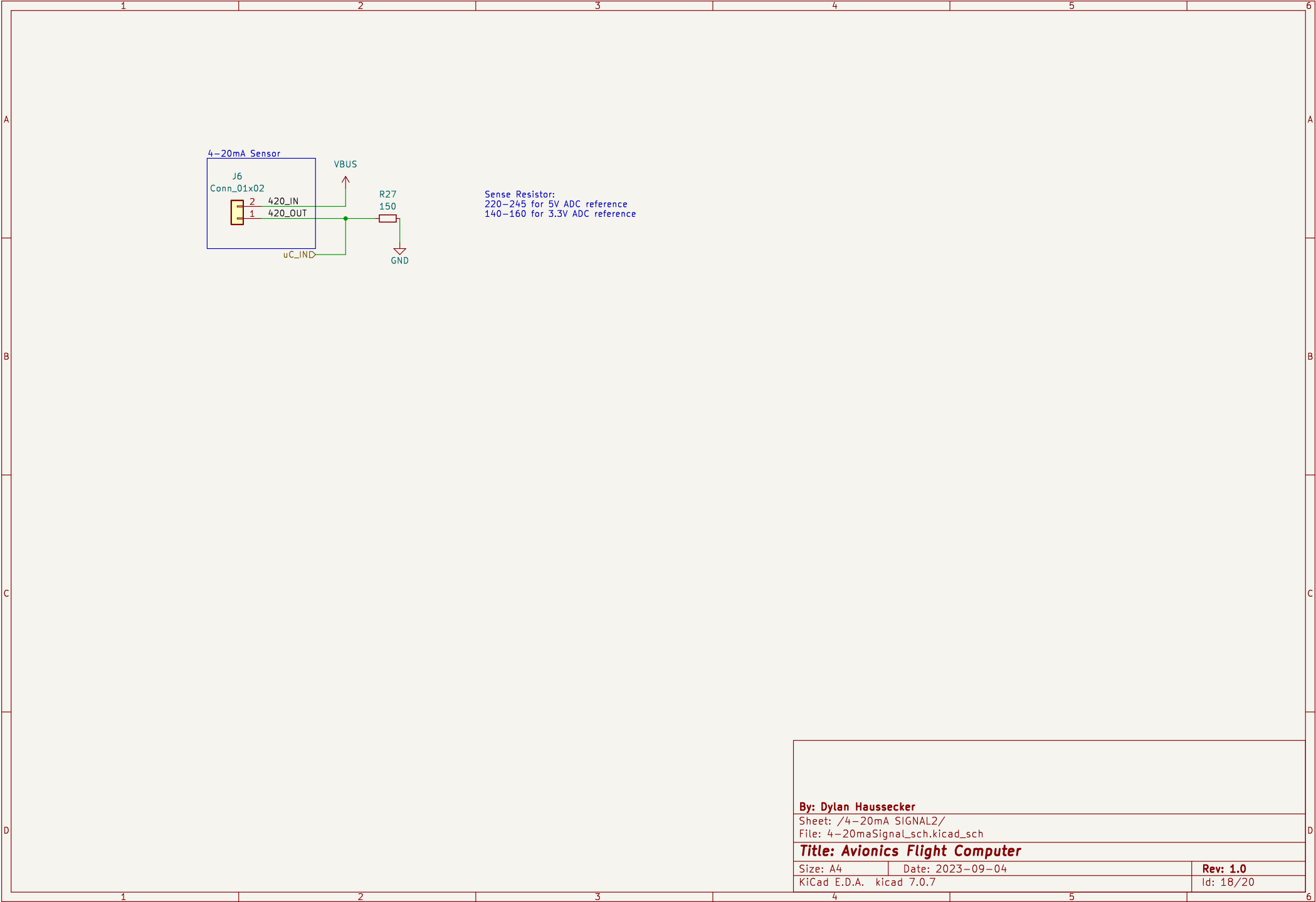
Date: 2023-09-04

Rev: 1.0

KiCad E.D.A. kicad 7.0.7

Id: 16/20





By: Dylan Haussecker		
Sheet: /4-20mA SIGNAL2/		
File: 4-20maSignal_sch.kicad_sch		
Title: Avionics Flight Computer		
Size: A4	Date: 2023-09-04	Rev: 1.0
KiCad E.D.A. kicad 7.0.7		Id: 18/20

