

Common Module

Ground Control Module

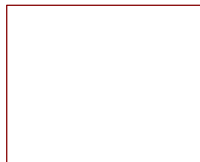
Custom/Landing Module

Main MCU



: Main MCU.kicad_sch

Ground Control Center



: Ground Control Center.kicad_sch

Custom A



: Custom A.kicad_sch

Custom B



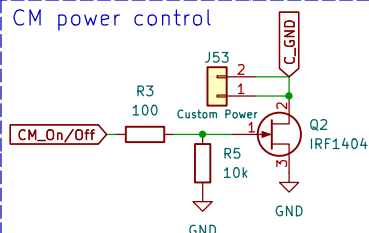
: Custom B.kicad_sch

Landing

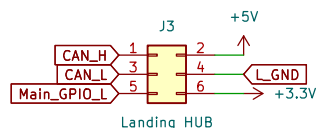
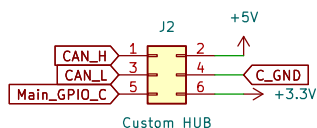


: Landing.kicad_sch

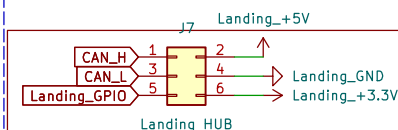
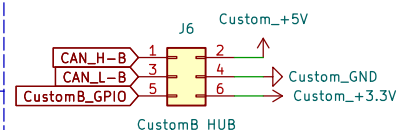
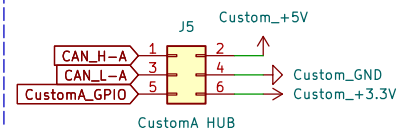
CM power control



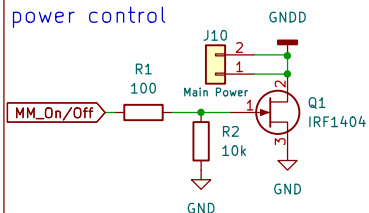
CM/LM HUB



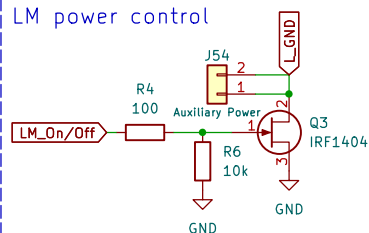
CM/LM HUB



Common Module power control



LM power control



Power

Power



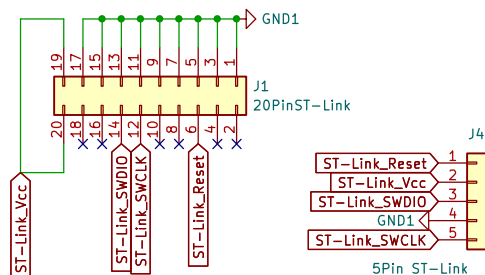
: Power.kicad_sch

Battery



: Battery.kicad_sch

ST-Link Converter



Sheet: /
File: Cansat HW.kicad_sch

Title: Can Satellite Modules

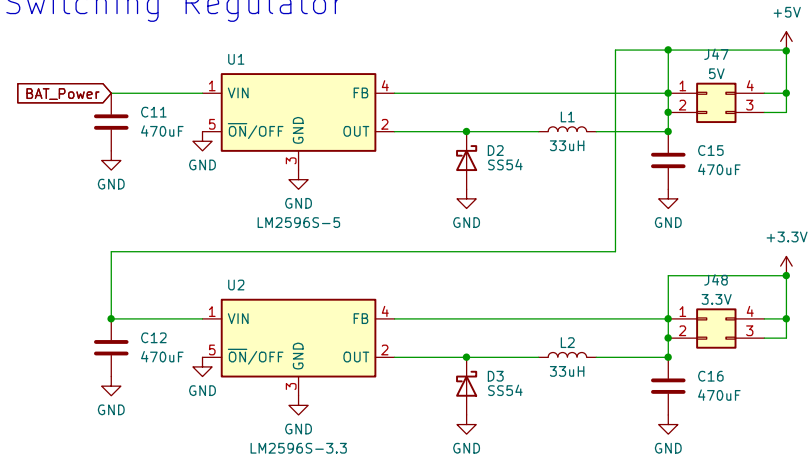
Size: A4 Date:2023/04/24 - 2023/08/03

KiCad E.D.A. 9.0.4

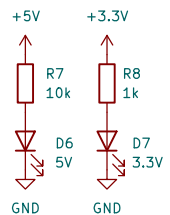
Rev:ver 1.1

Id: 1/8

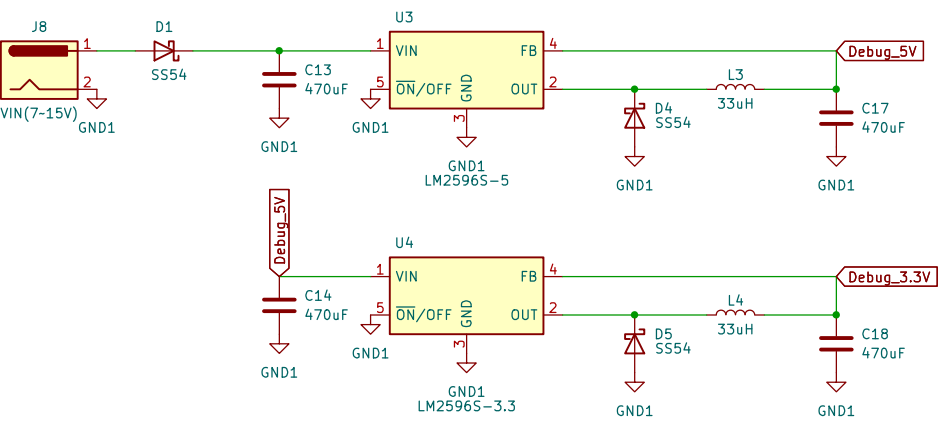
Switching Regulator



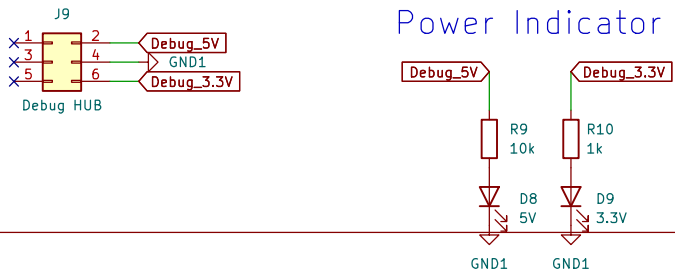
Power Indicator

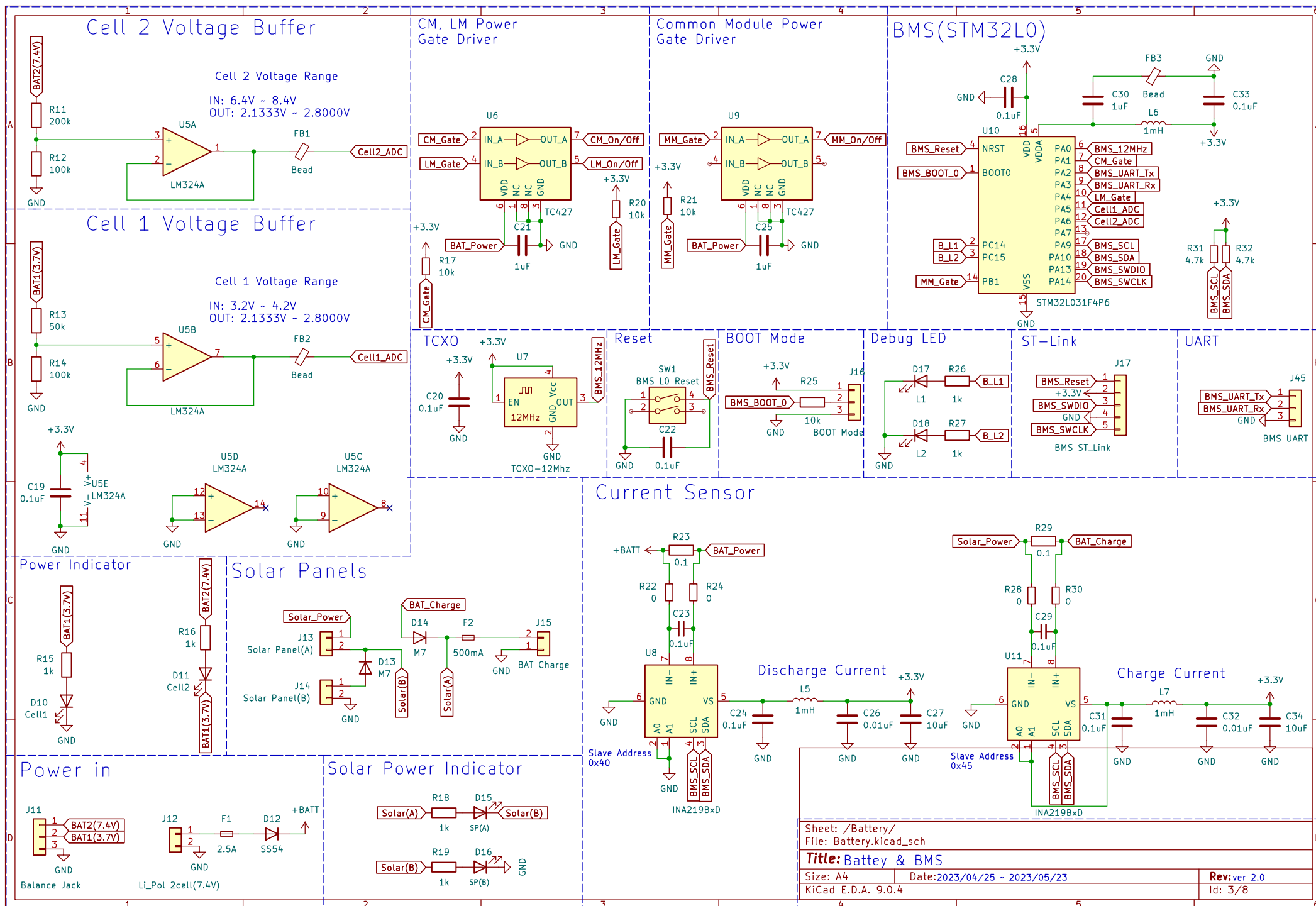


Debug Power Source

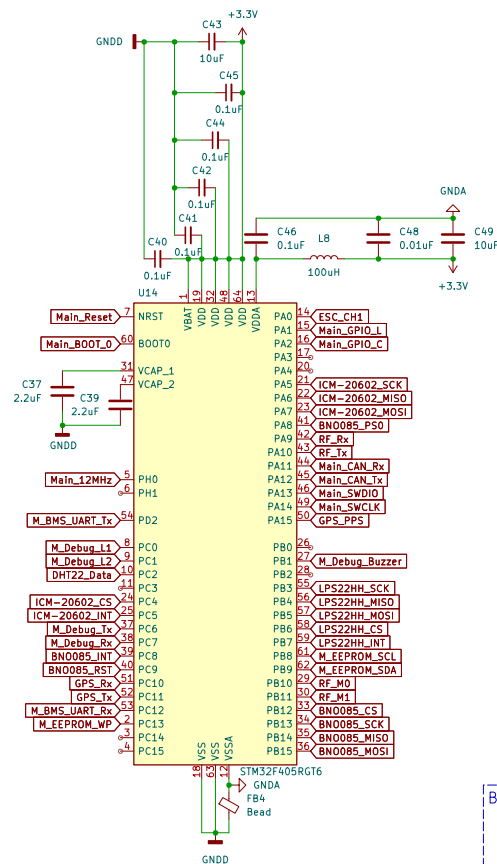


Power Indicator

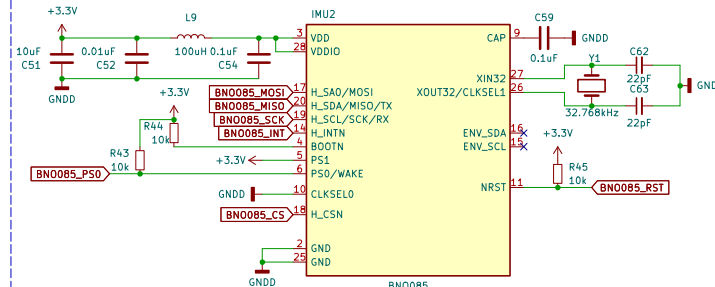




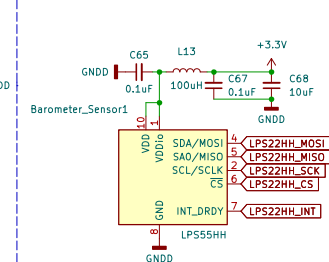
Main MCU



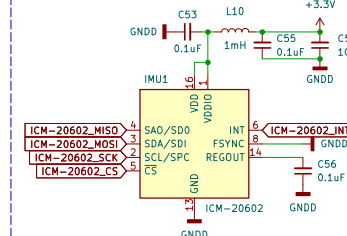
IMU-BNO085



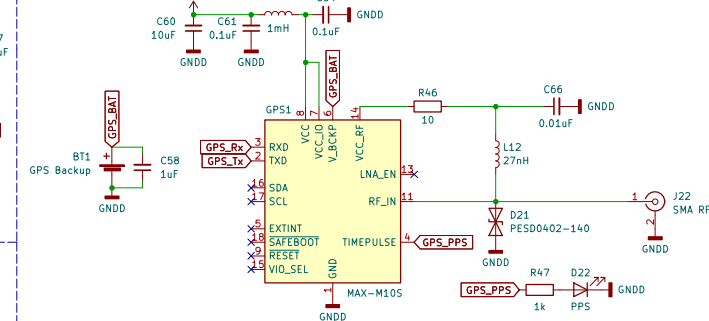
Barometer Sensor



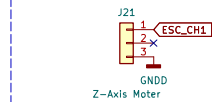
IMU-ICM20602



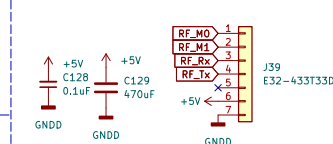
GPS



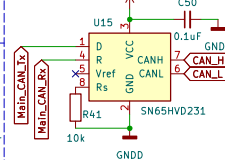
Reaction Wheel



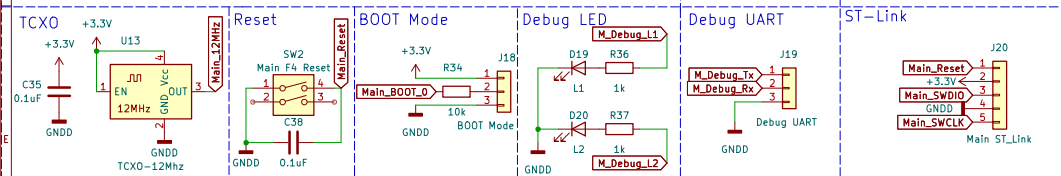
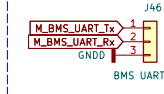
RF Module



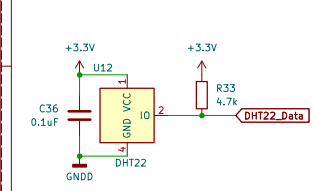
CAN



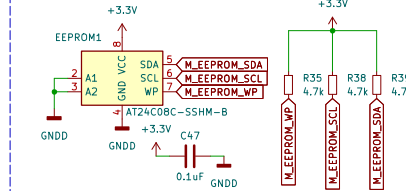
BMS UART



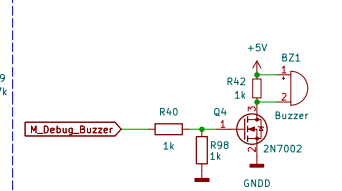
Temp & Hum sensor



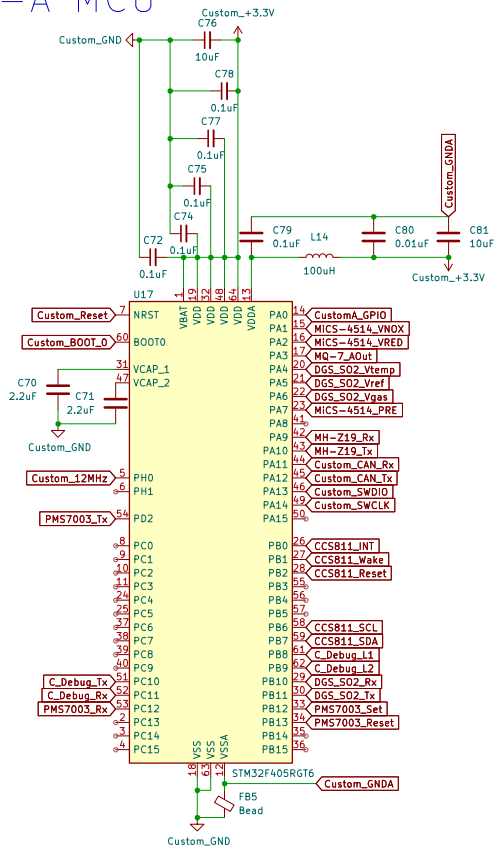
EEPROM



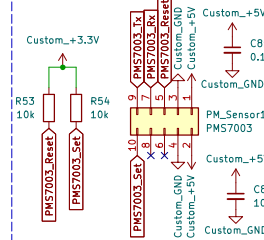
Debug Buzzer



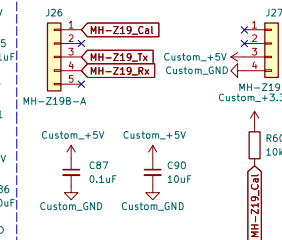
Custom-A MCU



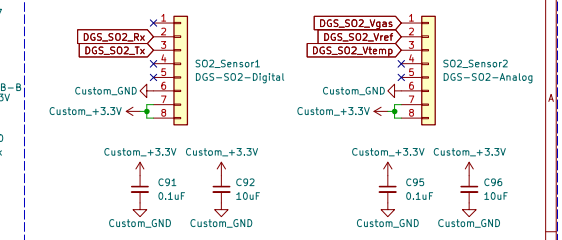
PM Sensor



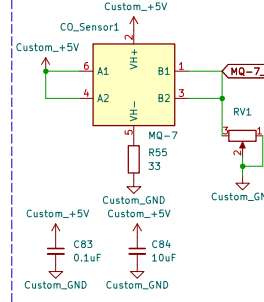
CO2 Sensor



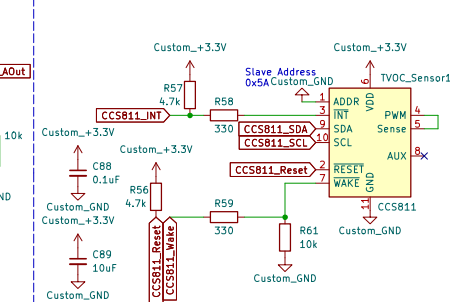
SO2 Sensor



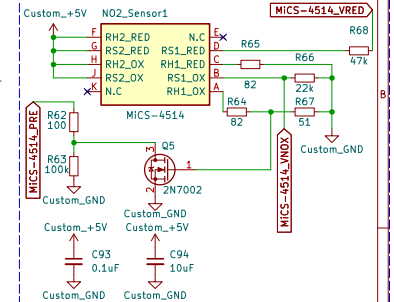
CO Sensor



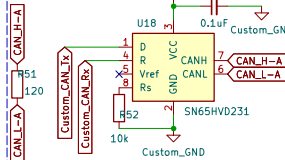
TVOC Sensor



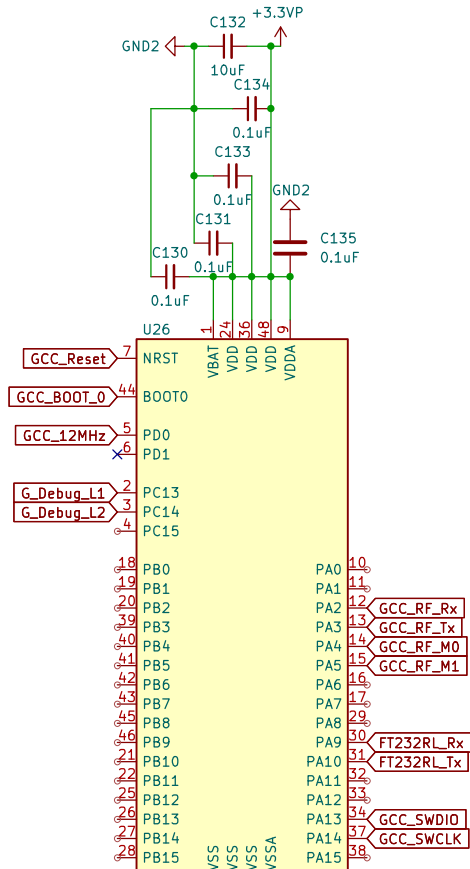
NO2 Sensor



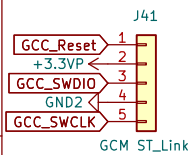
CAN



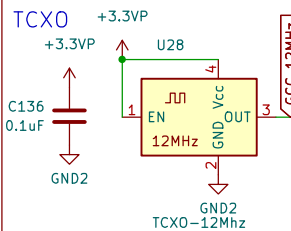
GCM MCU



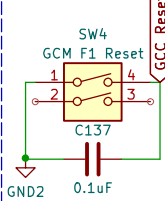
ST-Link



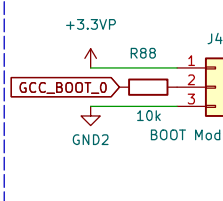
TCXO



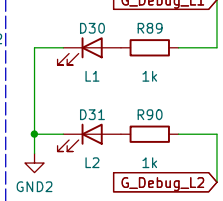
Reset



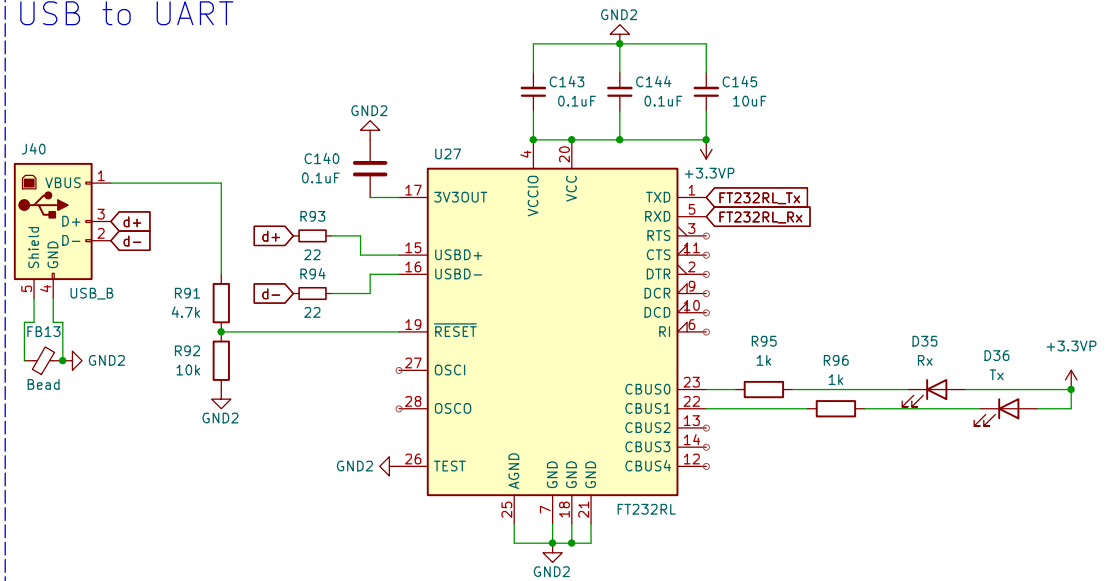
BOOT Mode



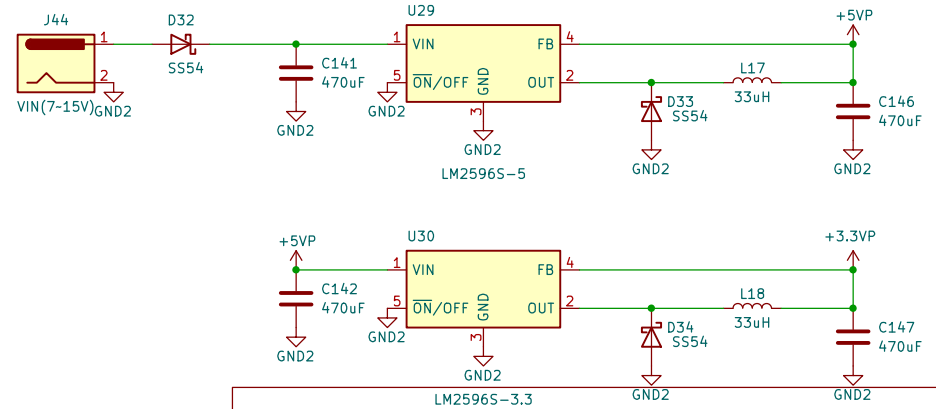
Debug LED



USB to UART



Power



Sheet: /Ground Control Center/
File: Ground Control Center.kicad_sch

Title: Ground Control Module

Size: A4 Date: 2023/05/24 - 2023/05/25

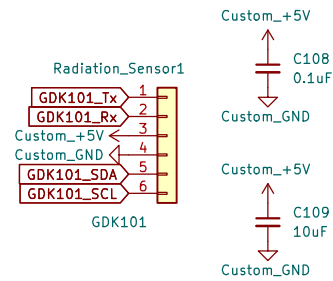
KiCad E.D.A. 9.0.4

Rev: ver 1.0

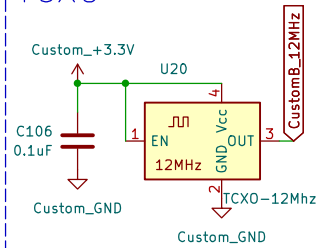
Id: 8/8

Custom-B MCU

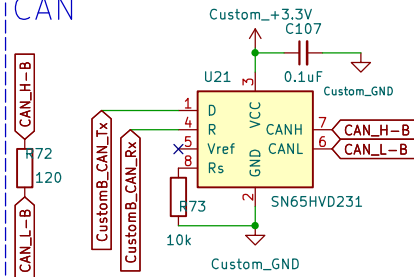
Radiation Sensor



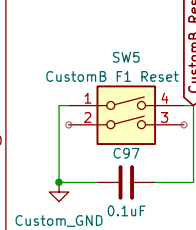
TCXO



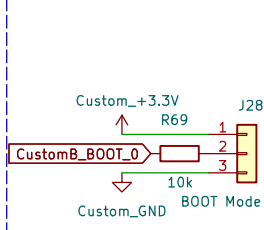
CAN



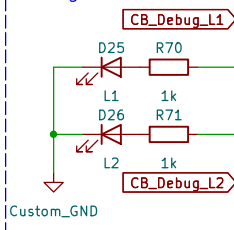
Reset



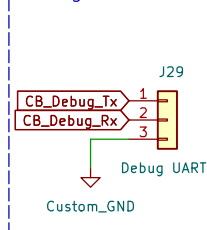
BOOT Mode



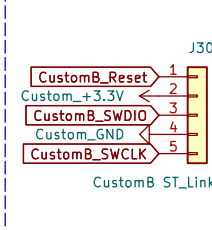
Debug LED



Debug UART



ST-Link



Sheet: /Custom B/
File: Custom B.kicad_sch

Title: Custom Module(B)

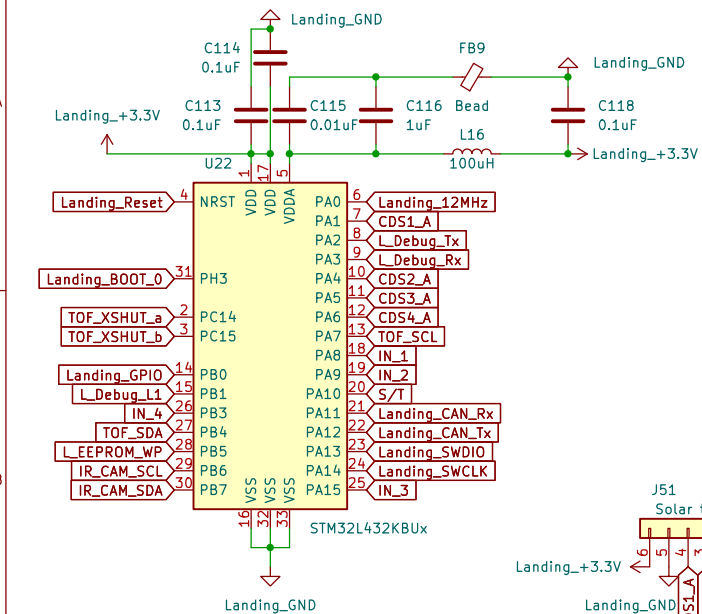
Size: A4 Date:2023/05/21 - 2023/05/21

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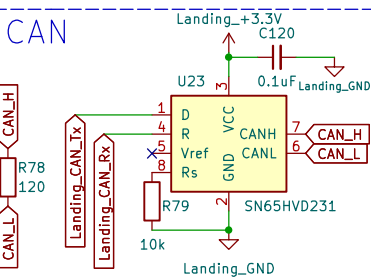
Rev:ver 1.0

Id: 8/8

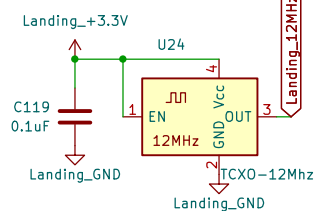
Landing Module MCU



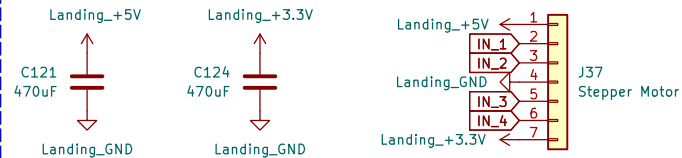
CAN



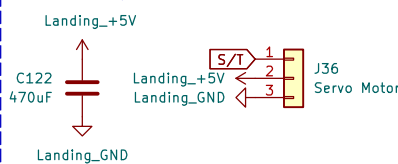
TCXO



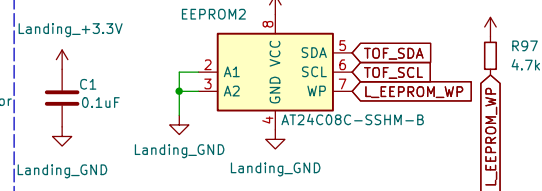
Parachute actuator



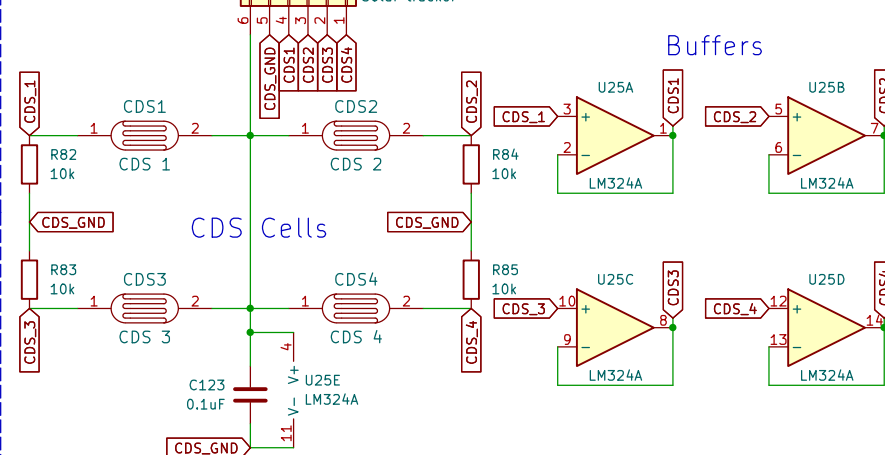
Solar panel actuator



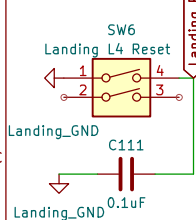
EEPROM



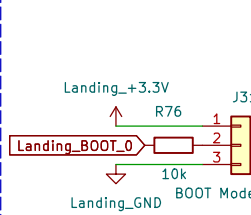
Solar tracker



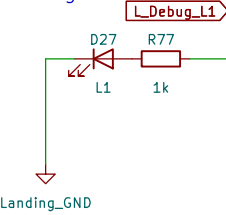
Reset



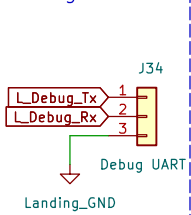
BOOT Mode



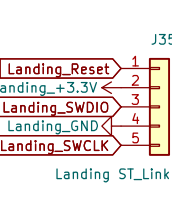
Debug LED



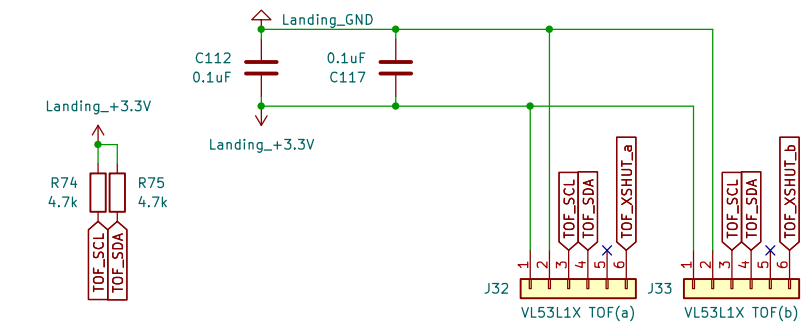
Debug UART



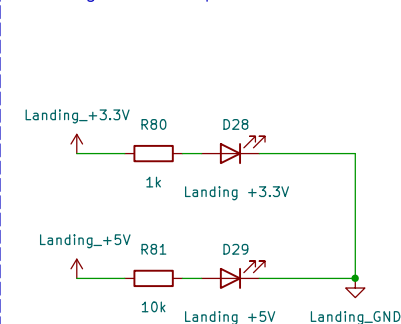
ST-Link



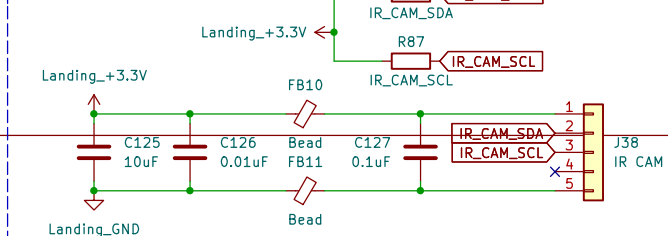
TOF Distance sensor



Landing module power Indicator



IR Camera



Sheet: /Landing/
File: Landing.kicad_sch

Title: Landing Module

Size: A4 Date:2023/05/06 - 2023/07/25

KiCad E.D.A. 9.0.4

Rev:ver 2.0

Id: 10/8