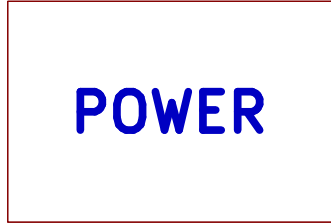


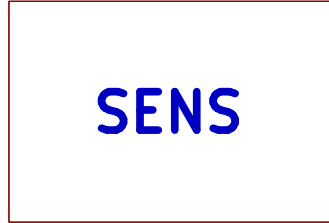


Power



File: Power.kicad_sch

Sensors



File: Sensors.kicad_sch

MCU



File: MCU.kicad_sch

GPS



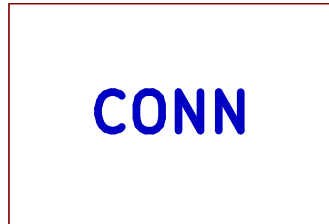
File: GPS.kicad_sch

Bio Sensors



File: Biomedical.kicad_sch

Connectors



File: Connectors.kicad_sch

PROTOTYPE

MECHANICAL

- FID1
Fiducial
- FID2
Fiducial
- FID3
Fiducial

MOUNTING HOLES ON
CARRIER BOARD

Sheet: /

File: Biomedical_Sensor_Board.kicad_sch

Title: Root

Size: A4

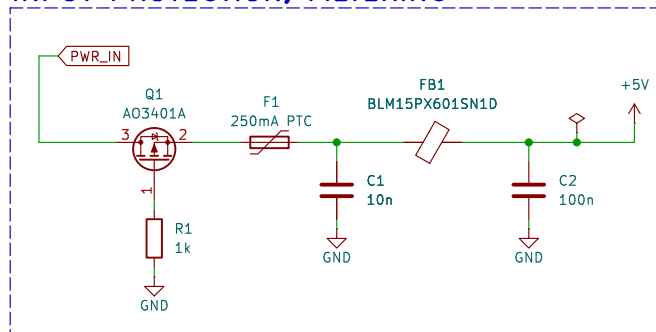
Date: 2024-08-02

Rev: 1.0.0

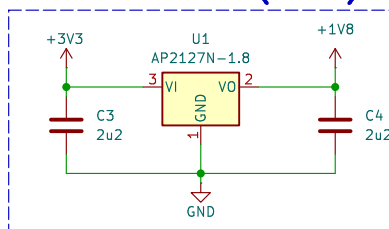
KiCad E.D.A. 8.0.3

Id: 1/7

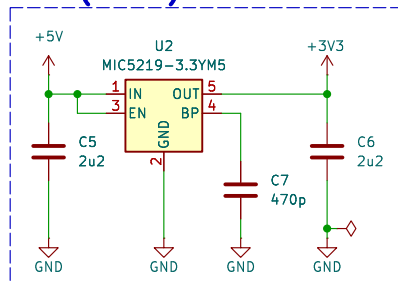
INPUT PROTECTION, FILTERING



LOW NOISE LDO (+1V8)



LDO (+3V3)



Sheet: /Power/
File: Power.kicad_sch

Title: Power

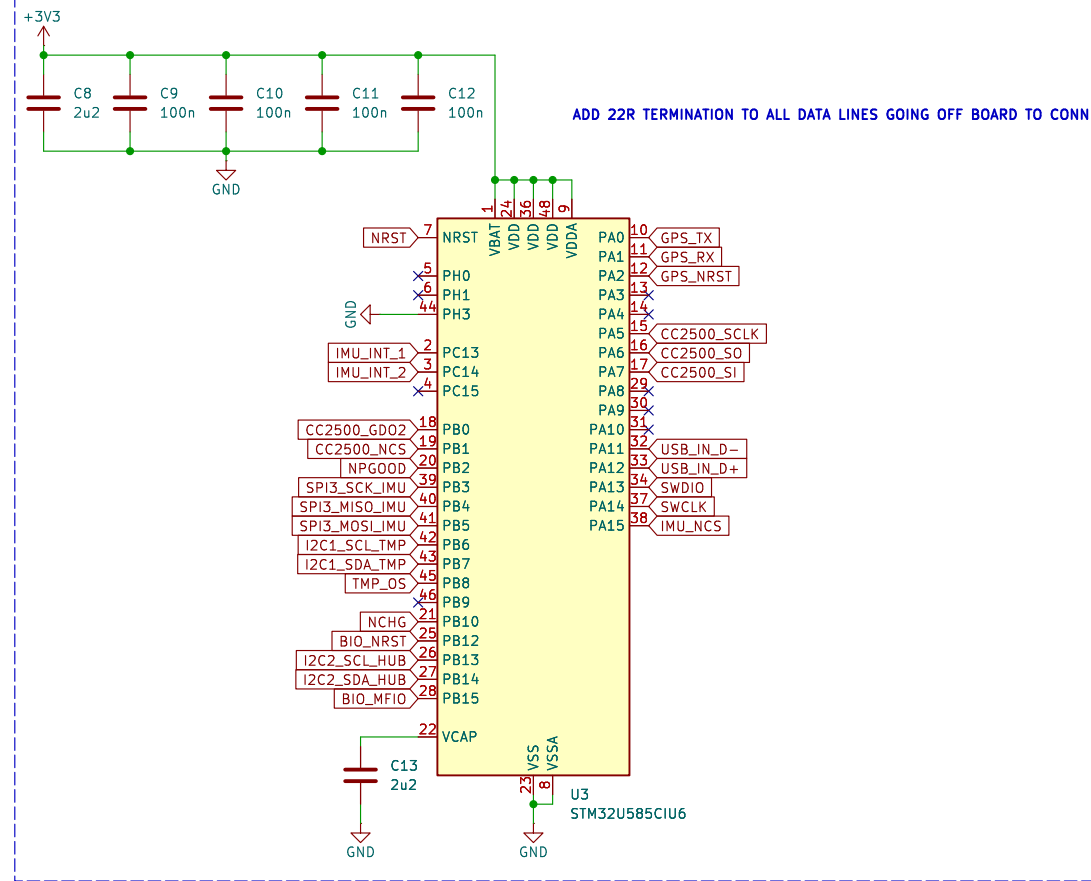
Size: A4 Date: 2024-08-02

KiCad E.D.A. 8.0.3

Rev: 1.0.0

Id: 2/7

MCU + DECOUPLING



Sheet: /MCU/
File: MCU.kicad_sch

Title: MCU

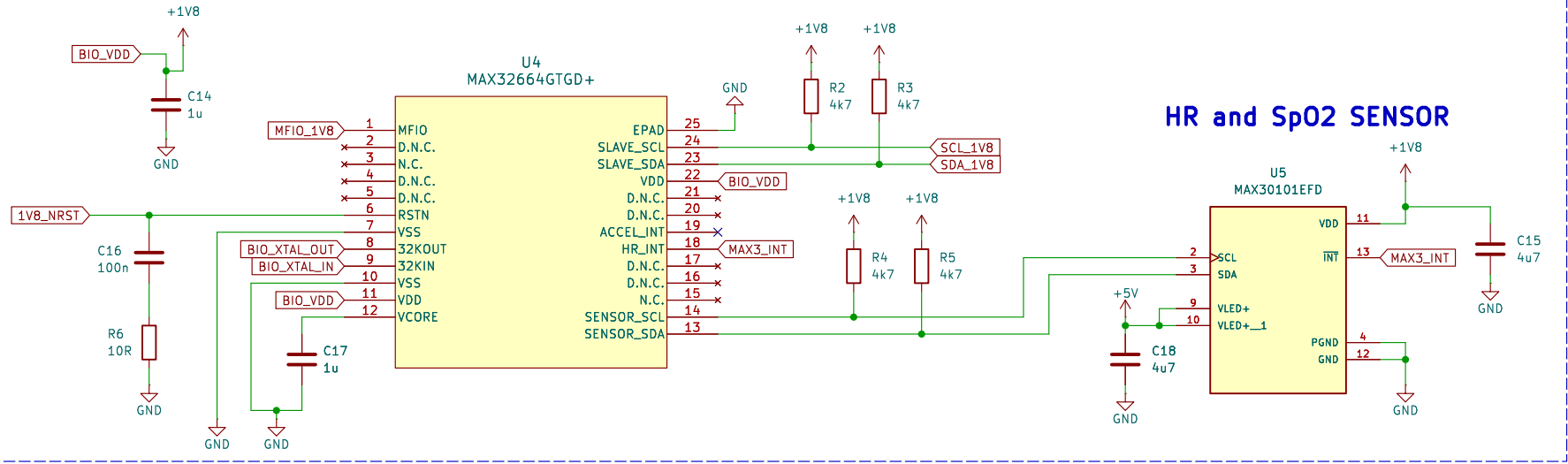
Size: A4 Date: 2024-08-02

KiCad E.D.A. 8.0.3

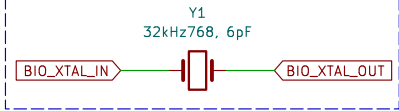
Rev: 1.0.0

Id: 3/7

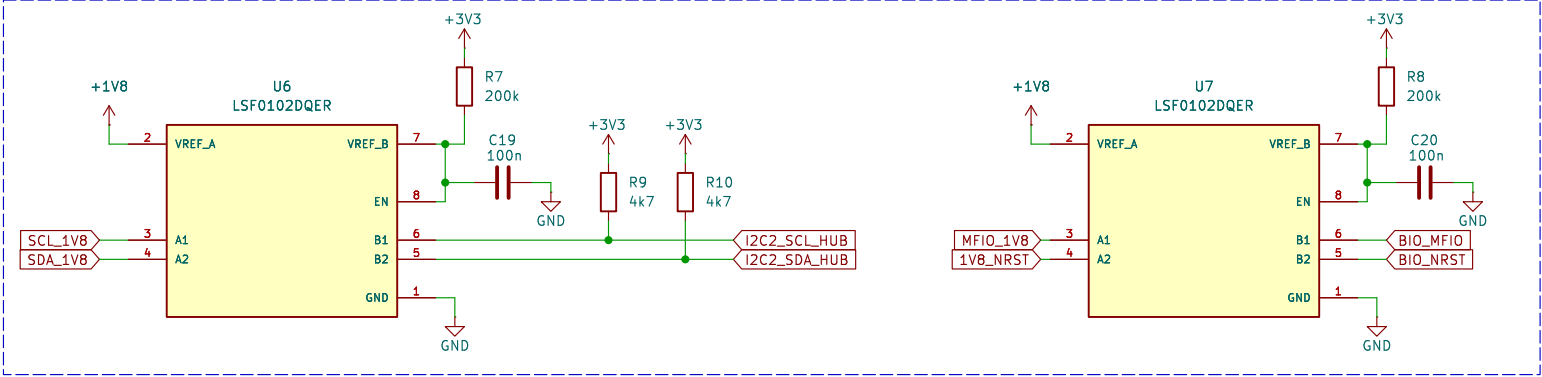
BIO-HUB IC



XTAL MAX32664



LEVEL SHIFTING I2C



Sheet: /Bio Sensors/
File: Biomedical.kicad_sch

Title: Bio Sensors

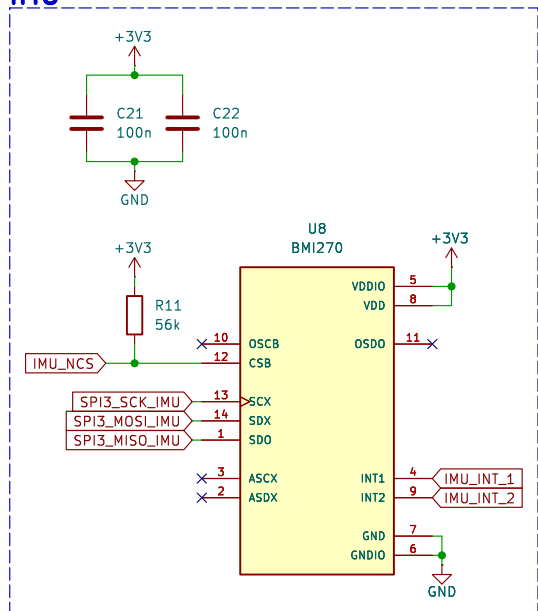
Size: A4 Date: 2024-08-02

KiCad E.D.A. 8.0.3

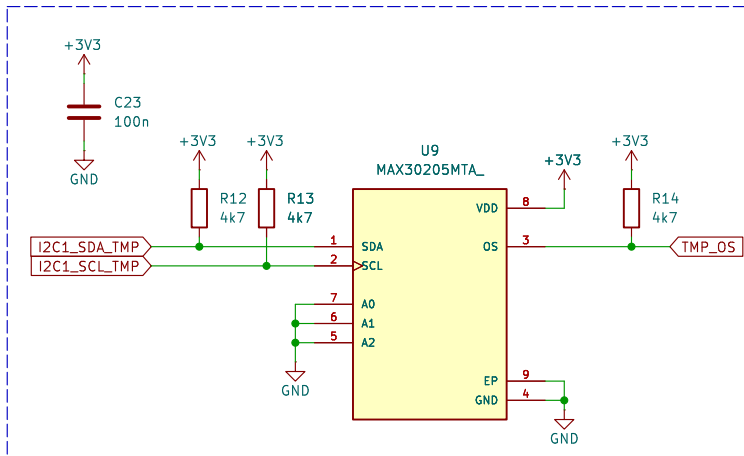
Rev: 1.0.0

Id: 4/7

IMU



TEMPERATURE SENSOR



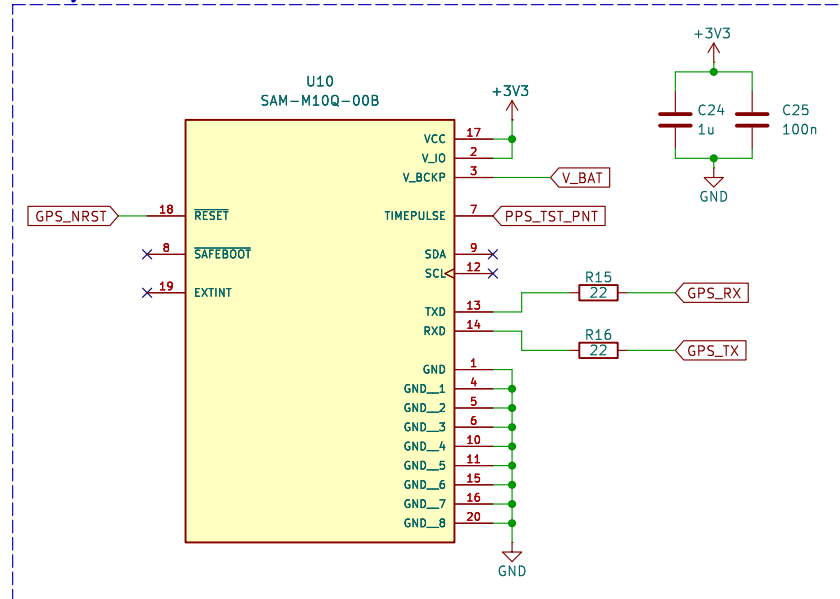
Sheet: /Sensors/
File: Sensors.kicad_sch

Title: Sensors

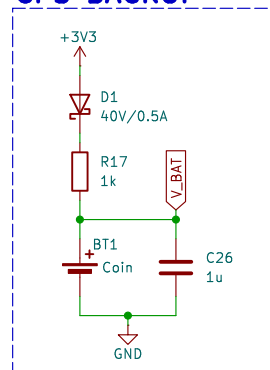
Size: A4 Date: 2024-08-02
KiCad E.D.A. 8.0.3

Rev: 1.0.0
Id: 5/7

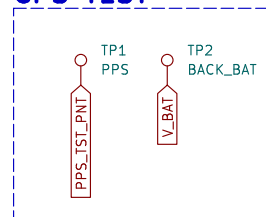
GPS, INTEGRATED ANTENNA



GPS BACKUP



GPS TEST



Sheet: /GPS/
File: GPS.kicad_sch

Title: GNSS

Size: A4

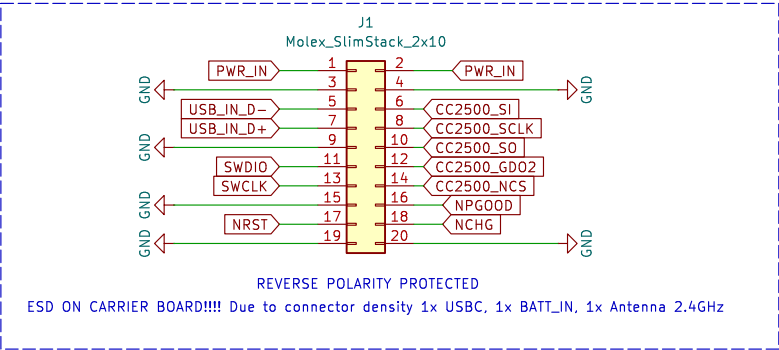
Date: 2024-08-02

Rev: 1.0.0

KiCad E.D.A. 8.0.3

Id: 6/7

CONNECTOR INTERFACE



Sheet: /Connectors/		
File: Connectors.kicad_sch		
Title: Connectors		
Size: A4	Date: 2024-08-02	Rev: 1.0.0
KiCad E.D.A. 8.0.3		Id: 7/7