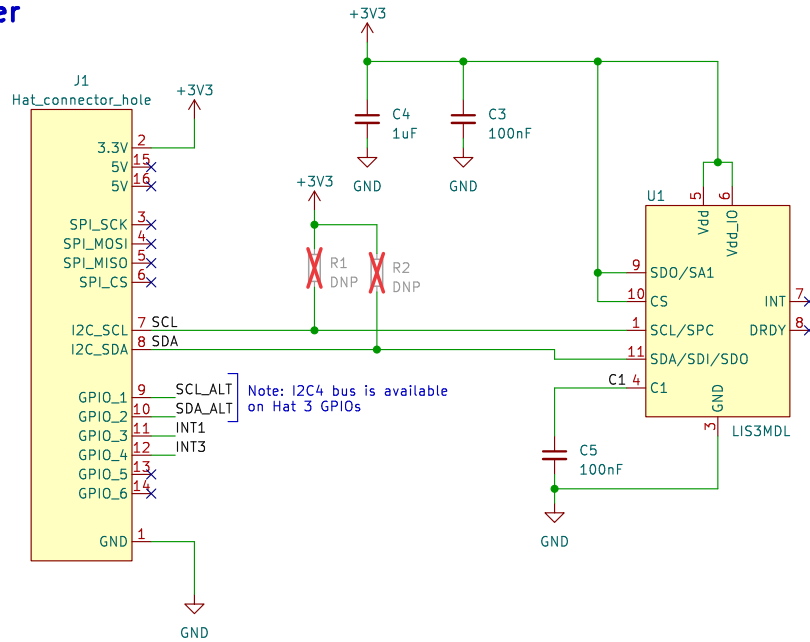
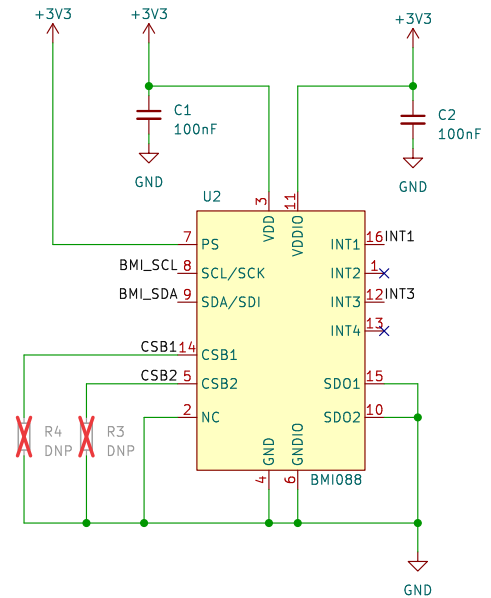


Magnetometer

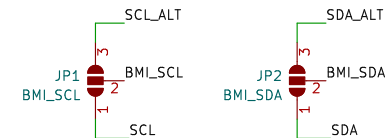


Accelerometer + Gyroscope



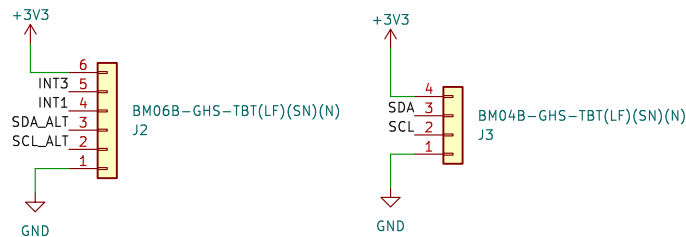
We have an iteration working with CSB1 and CSB2 grounded. However, it is not what should be done according to the datasheet. Just added footprints in case.

BMI088 I2C bus selection

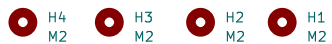


It is possible to have the BMI088 and LIS3MDL on different I2C buses if desired (only on Hat 3).

Delocalizing connectors



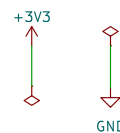
Mounting holes



Logo



Power flags



Address selection:
Accelerometer -> SDO = GND: 0x18
Gyroscope -> SD02 = GND: 0x68
Magnetometer -> SA1 = VDD: 0x1E

Authors: Vincent Nguyen, Leo Kruglikov



EPFL Xplore

Sheet: /
File: imu_9_axis.kicad_sch

Title: BMI088 + LIS3MDL 9-axis IMU Hat

Size: A4 Date: 2023-07-19

KiCad E.D.A. kicad 7.0.1

Project Kerby



Rev: 2

Id: 1/1