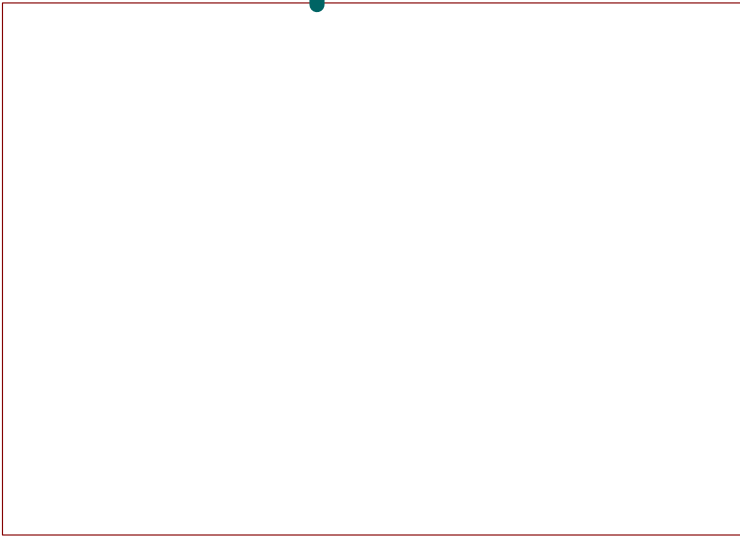


uController



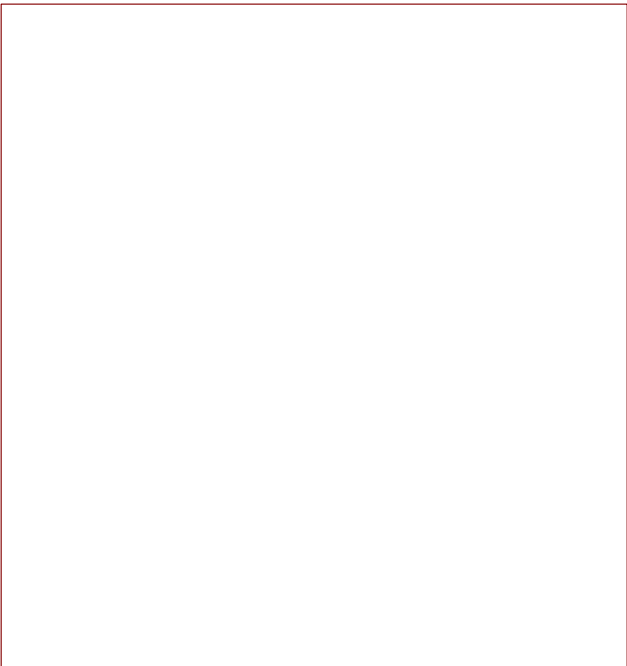
File: uController.kicad_sch

Peripherals



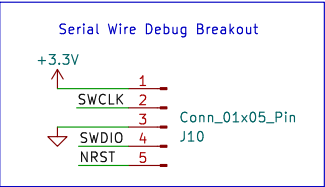
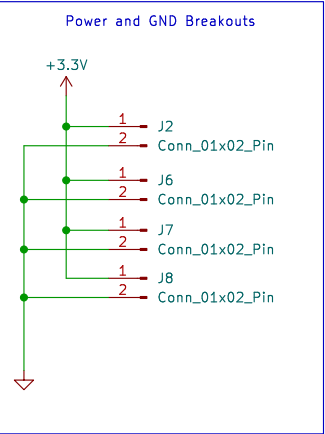
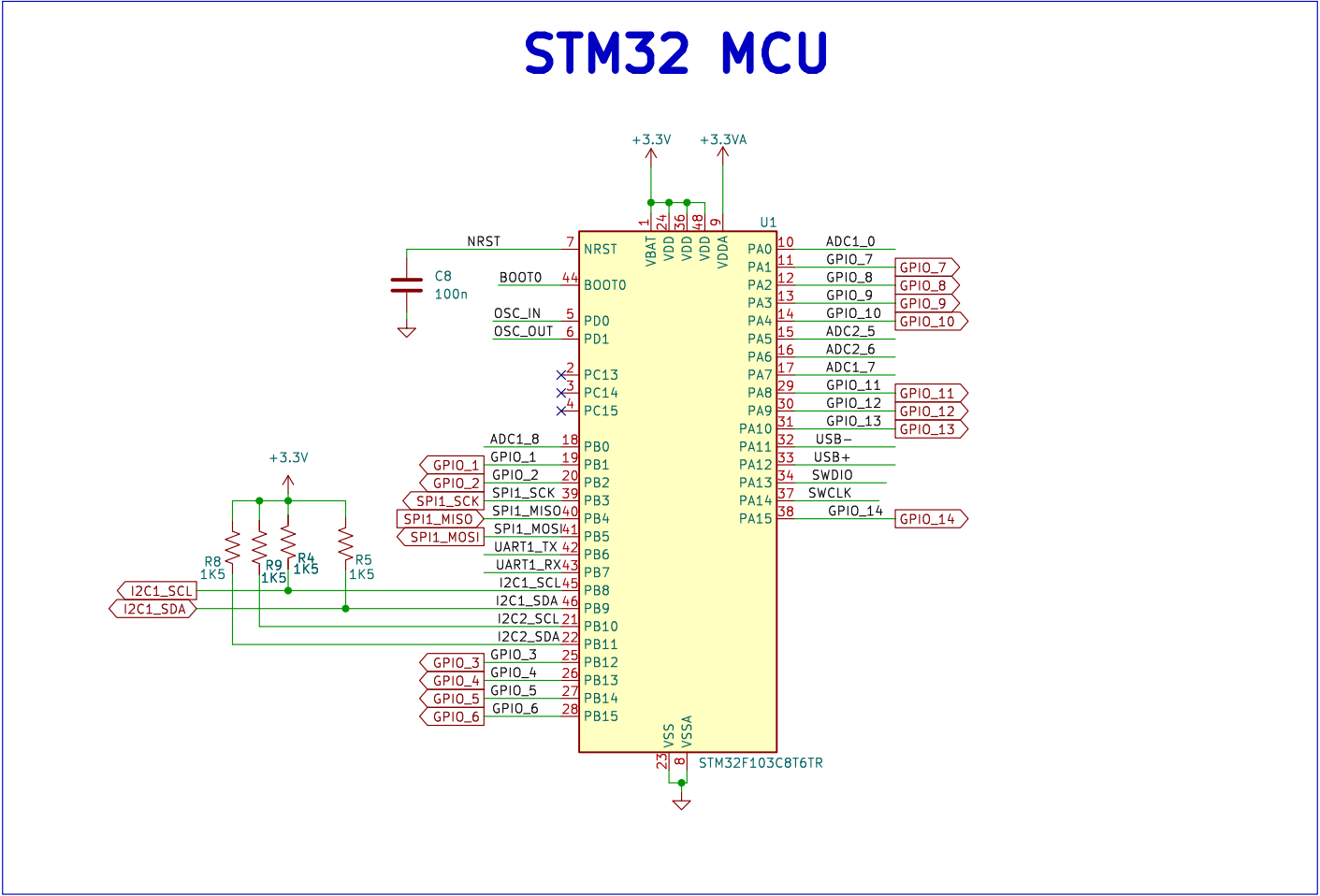
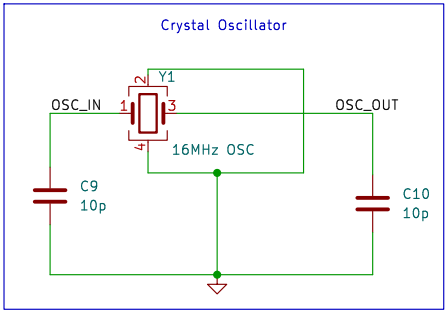
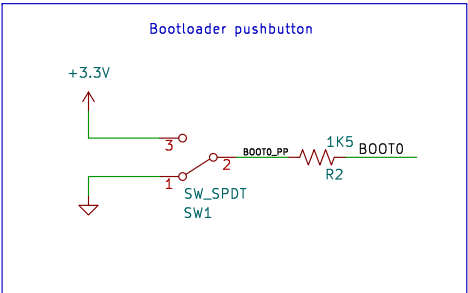
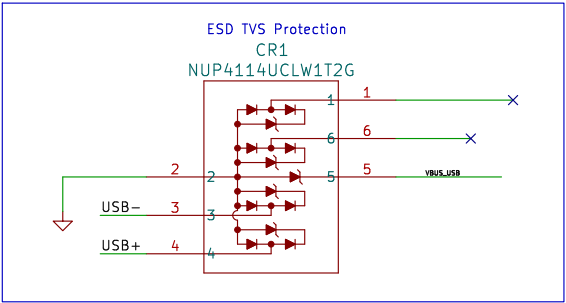
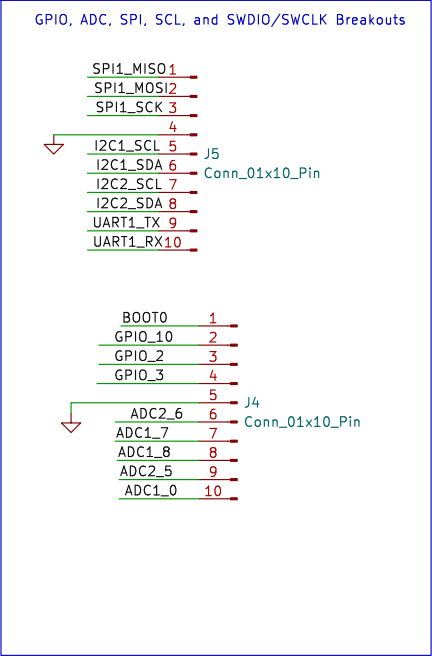
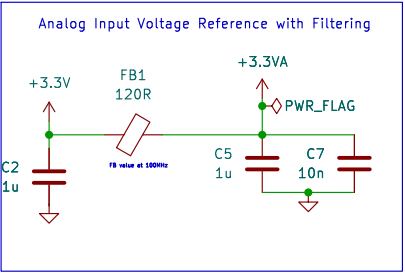
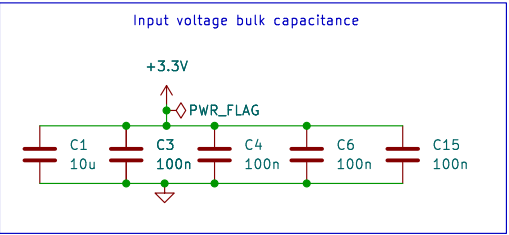
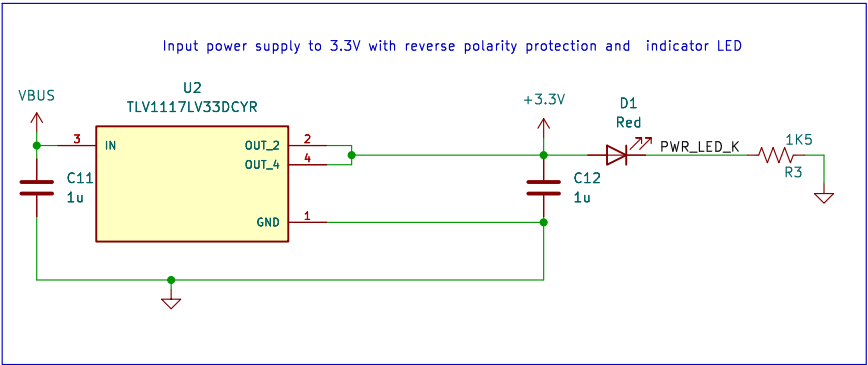
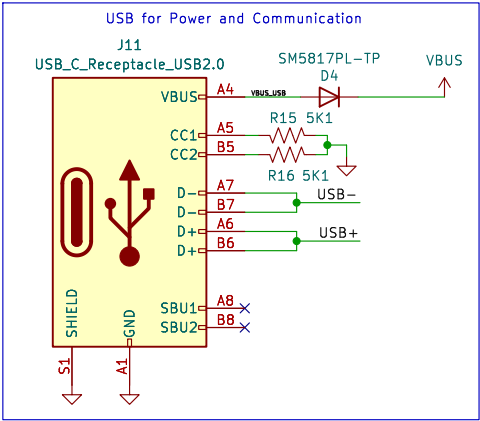
File: pereperhals.kicad_sch

Misc



File: Misc.kicad_sch

EEC		
Sheet: /		
File: SensorControlBoard.kicad_sch		
Title:		
Size: A3	Date: 2023-07-29	Rev: A0
KiCad E.D.A. kicad 7.0.6		Id: 1/4



SPI Used:

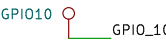
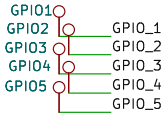
1: for micro-sd card
1: for 5170

I2C Used:

1: SCL/SDA for TMAG5273 (0x44/0x45)
1: SCL/SDA for AT24CS04-XHM (0xA0/0xA1)
1: SCL/SDA for ICM-42670-P accel/gyro (0xD0/0xD1)
1: SCL/SDA for OPT3002DNPR (0x88/0x89)
1: SCL/SDA for LP5018 (0x28)

GPIO Used:

5: CS for Micro-sd card
6: ALERT Pin for TMAG5170
7: INT Pin for TMAG5273
8: ENABLE for LP5018
11: CS for TMAG5170
12: INT pin for OPT3002DNPR
13: INT2 for ICM-42670-P accel/gyro
14: INT1 for ICM-42670-P accel/gyro



EEC

Sheet: /uController/
File: uController.kicad_sch

Title: Microcontroller

Size: A3 Date: 2023-07-29
KiCad E.D.A. kicad 7.0.6

Rev: A0
Id: 2/4

Mounting Holes M2

H1

MountingHole

H2

MountingHole

H3

MountingHole

H4

MountingHole

Sheet: /Misc/ File: Misc.kicad_sch		
Title:		
Size: A3	Date:	Rev:
KiCad E.D.A. kicad 7.0.6	Id: 4/4	