

- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole



Floppy Lab

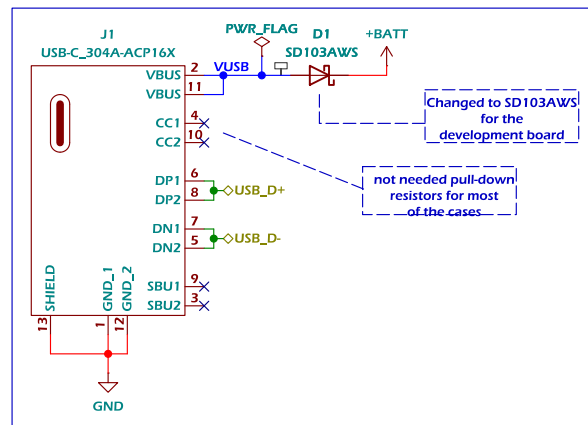
Made by: Filippo Castellan

Sheet: /
File: ant control board v2.kicad_sch

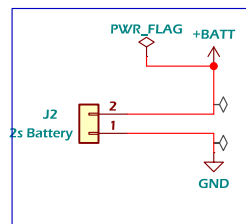
Title: Ant Robot control board (DEVELOPMENT BOARD)

Size: A4	Date: 2025-05-05	Rev: 2.0
KiCad E.D.A. 9.0.2		Id: 1/6

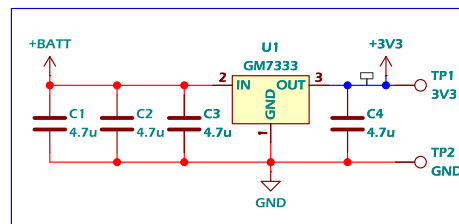
USB CONNECTOR FOR SETTINGS & FIRMWARE UPDATE



BATTERY CONNECTOR



3.3V LDOs



Floppy Lab

Made by: Filippo Castellan

Sheet: /Power/
File: power.kicad_sch

Title: Ant Robot control board

Size: A4

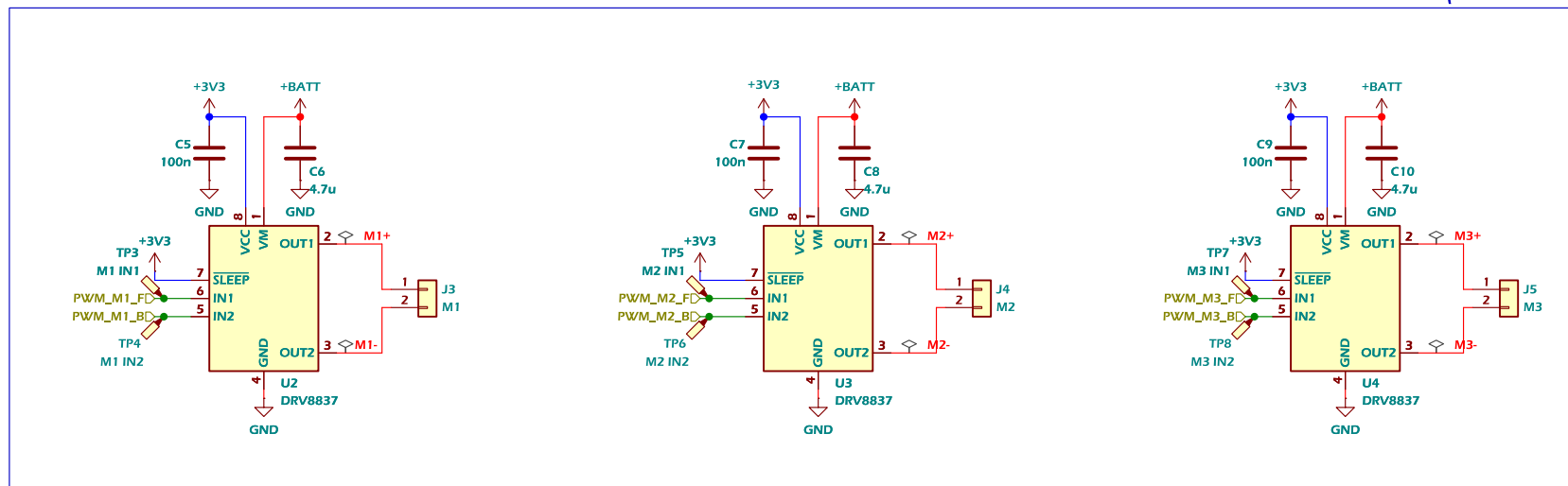
Date: 2025-05-05

Rev: 2.0

KiCad E.D.A. 9.0.2

Id: 2/6

DC MOTORS DRIVERS (11V 2A MAX)



Floppy Lab

Made by: Filippo Castellan

Sheet: /DC Motors/

File: dc_motors.kicad_sch

Title: Ant Robot control board

Size: A4

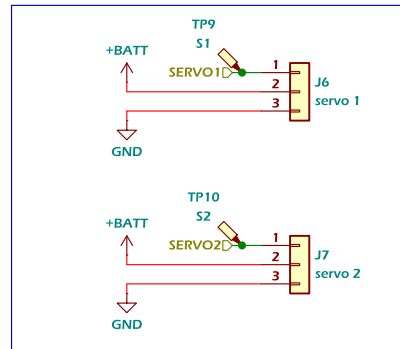
Date: 2025-05-05

Rev: 2.0

KiCad E.D.A. 9.0.2

Id: 3/6

SERVO CONNECTORS



Floppy Lab

Made by: Filippo Castellan

Sheet: /Servos/
File: servos.kicad_sch

Title: Ant Robot control board

Size: A4

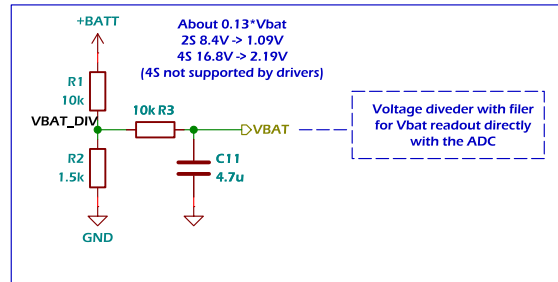
Date: 2025-05-05

Rev: 2.0

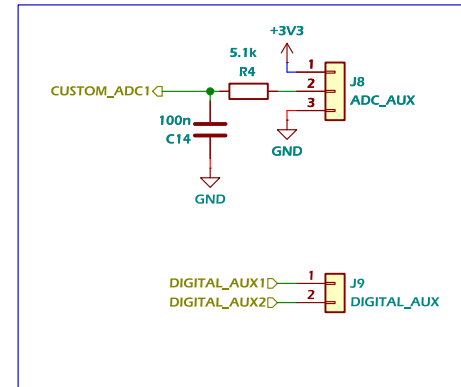
KiCad E.D.A. 9.0.2

Id: 4/6

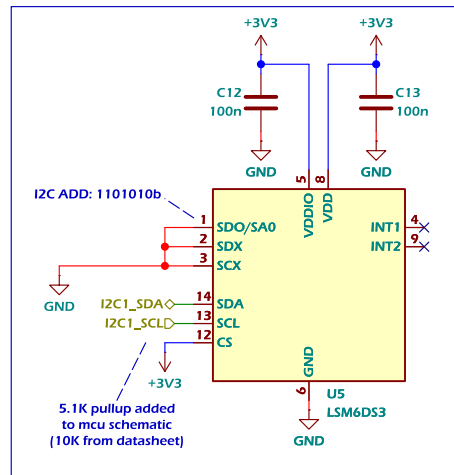
VBAT SENSE



CUSTOM ANALOG OR DIGITAL PORT



ACCELEROMETER & GYROSCOPE



Floppy Lab

Made by: Filippo Castellan

Sheet: /Sensors/
File: sensors.kicad_sch

Title: Ant Robot control board

Size: A4

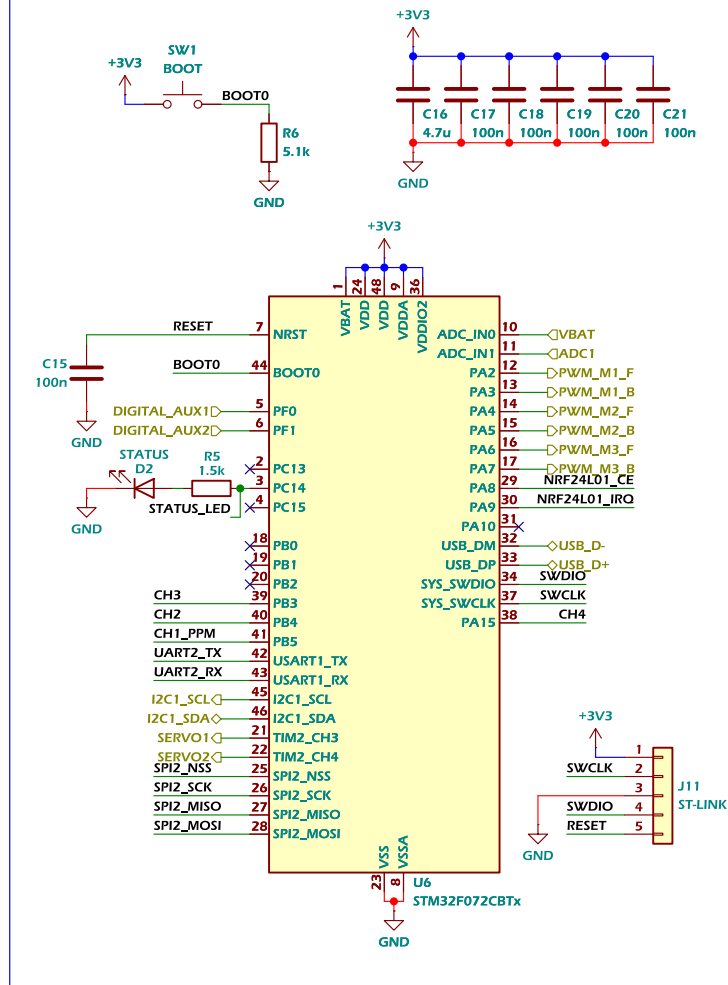
Date: 2025-05-05

Rev: 2.0

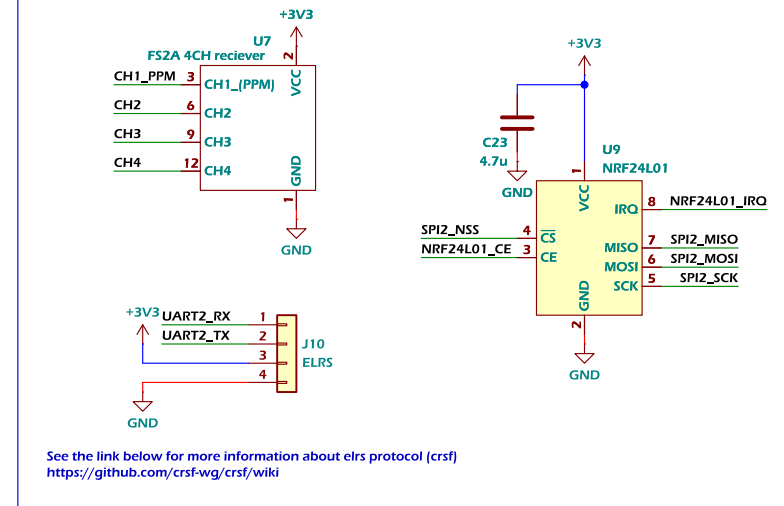
KiCad E.D.A. 9.0.2

Id: 5/6

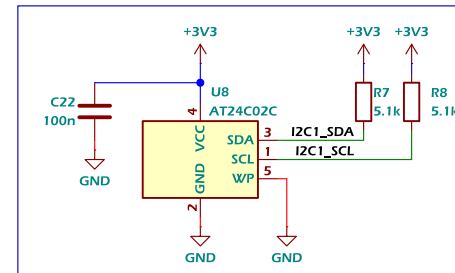
MICROCONTROLLER & BOOT BUTTON



RECIEVERS



SETTINGS EEPROM MEMORY



Floppy Lab

Made by: Filippo Castellan

Sheet: /MCU and RX/
 File: MCU_RX.kicad_sch

Title: Ant Robot control board

Size: A4

Date: 2025-05-05

KiCad E.D.A. 9.0.2

Rev: 2.0

Id: 6/6