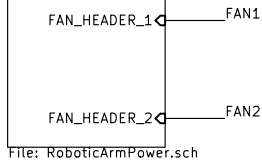
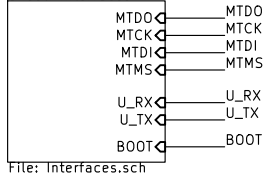


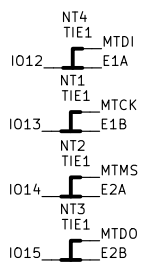
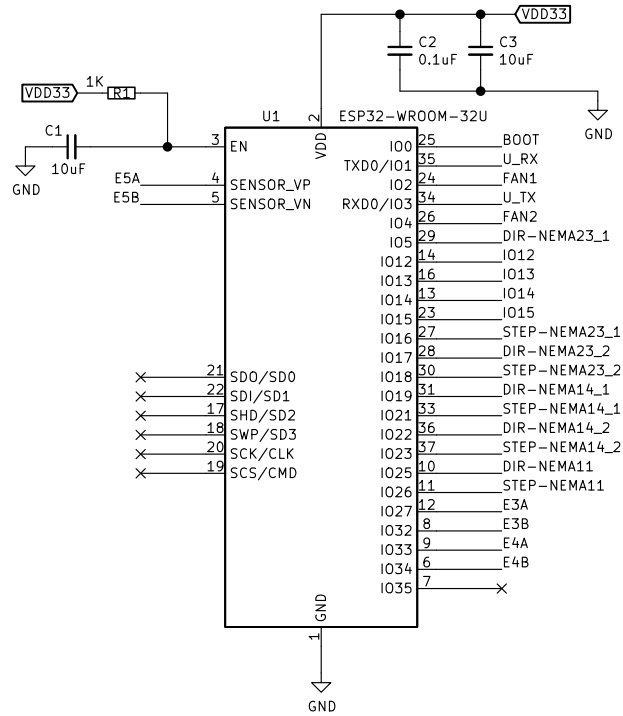
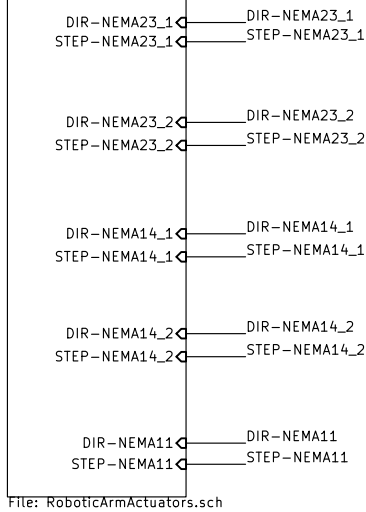
Sheet: RoboticArmPower



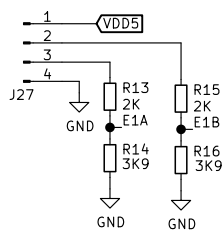
Sheet: Interfaces



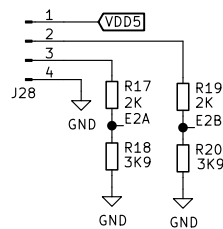
Sheet: RoboticArmActuators



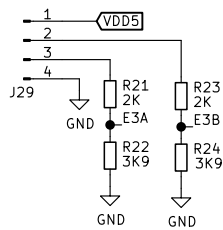
ENC_AXIS1



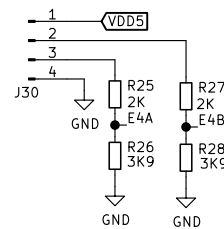
ENC_AXIS2



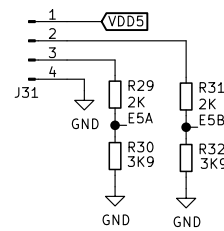
ENC_AXIS3



ENC_AXIS4



ENC_AXIS5



SENSA GROUP

Sheet: /

File: Arm_Mainboard.sch

Title: Mainboard for the SENSA educational robotic arm.

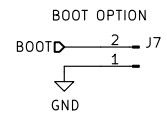
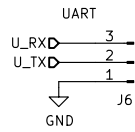
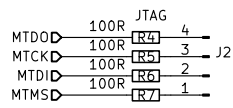
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Date: 2021-08-01

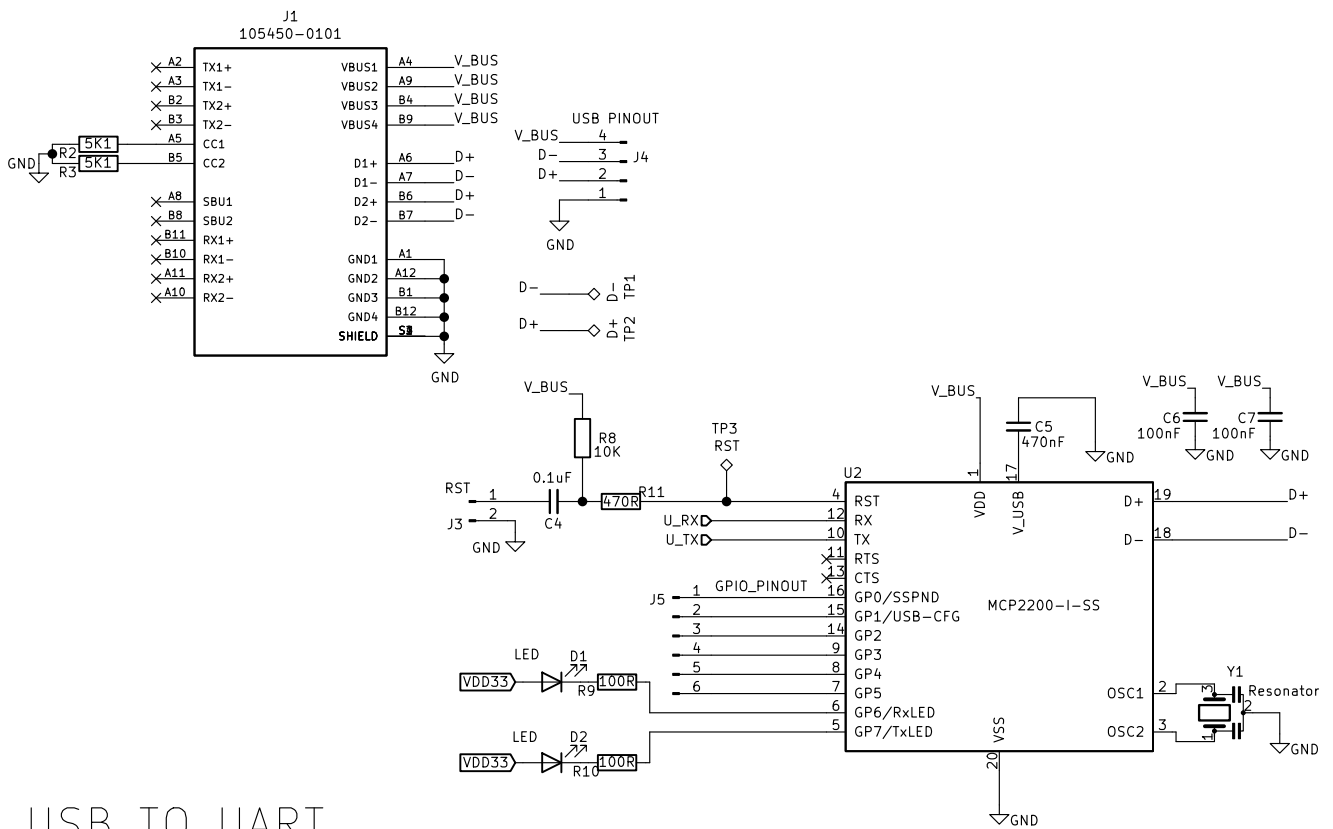
Rev: V0.1

KiCad E.D.A. kicad (5.1.9)-1

Id: 1/4



MCU PINOUTS



USB TO UART

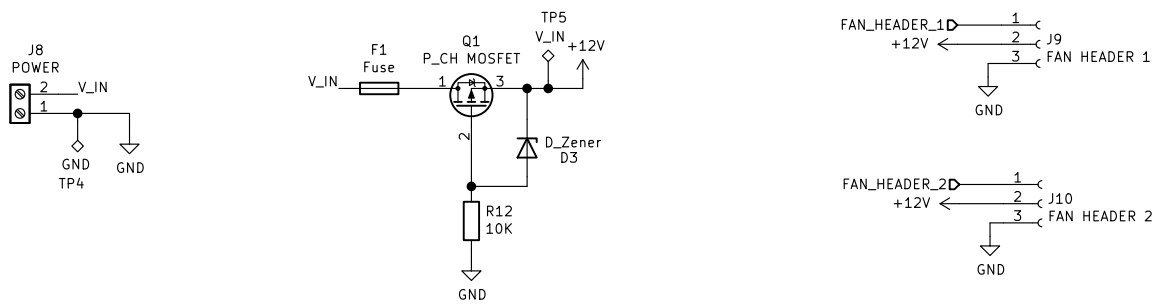
SENSA GROUP

Sheet: /Interfaces/
File: Interfaces.sch

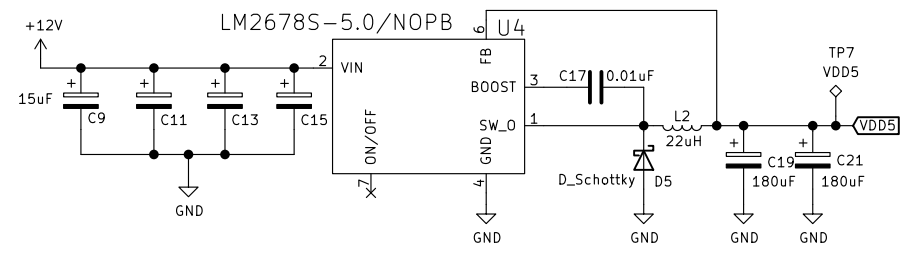
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Size: A4 Date: 2021-08-01
KiCad E.D.A. kicad (5.1.9)-1

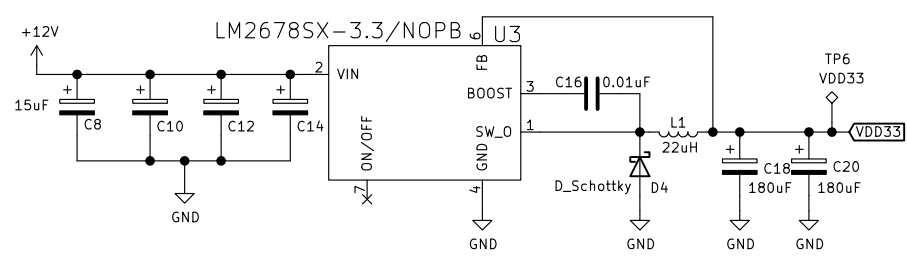
Rev: V0.1
Id: 2/4



POWER IN & FAN HEADERS



5V SWITCHING REGULATOR



3.3V SWITCHING REGULATOR

SENSA GROUP

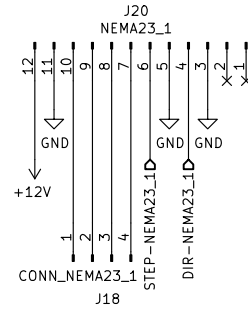
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File: RoboticArmPower.sch

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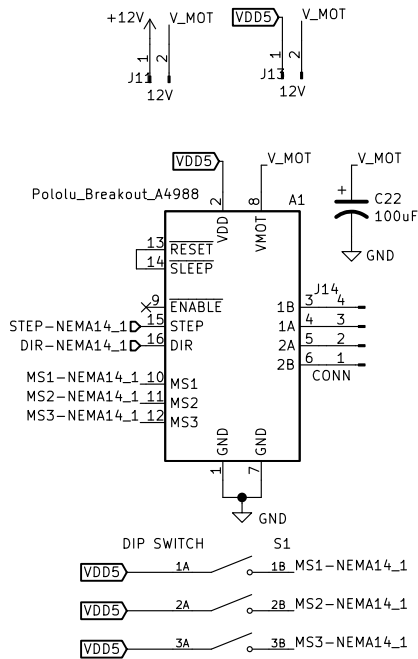
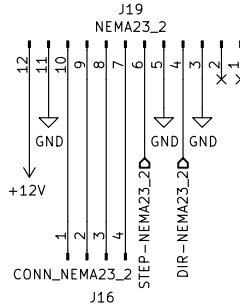
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KiCad E.D.A. kicad (5.1.9)-1

Rev: V0.1
Id: 3/4

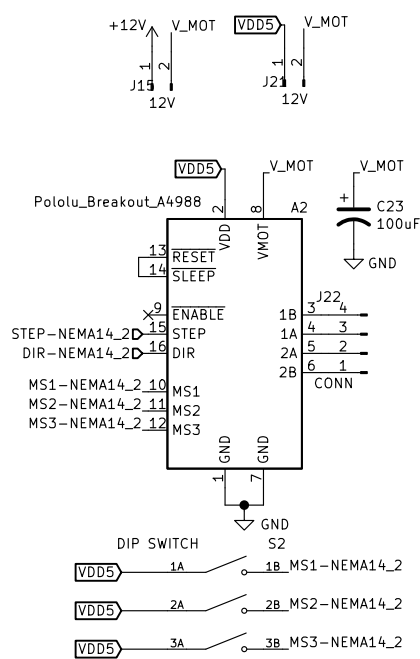
AXIS 1 [NEMA23]



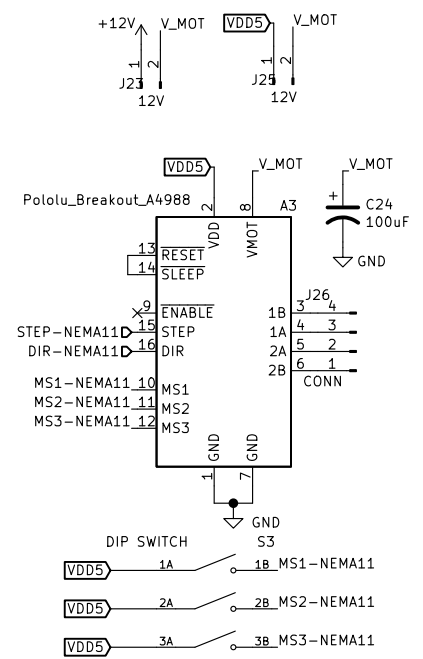
AXIS 2 [NEMA23]



AXIS 3 [NEMA14]



AXIS 4 [NEMA14]



AXIS 5 [NEMA11]

SENSA GROUP

Sheet: /RoboticArmActuators/
File: RoboticArmActuators.sch

Title: Mainboard for the SENSA educational robotic arm.

Size: A4 Date: 2021-08-01
KiCad E.D.A. kicad (5.1.9)-1

Rev: V0.1
Id: 4/4