

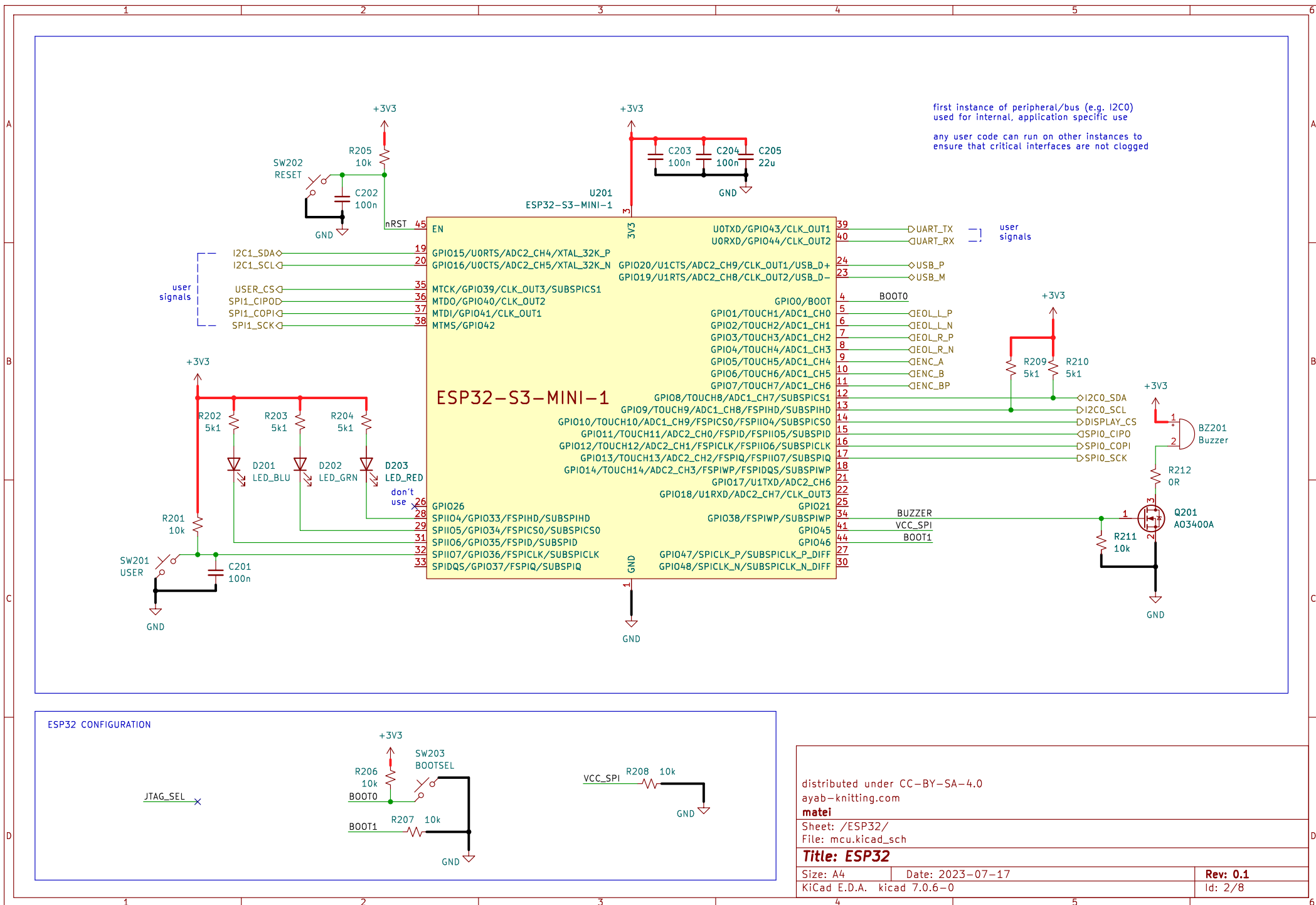
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matei

Sheet: /
File: ayab-esp32.kicad_sch

Title: AYAB-ESP32 overview

Size: A4	Date: 2023-07-17	Rev: 0.1
KiCad E.D.A. kicad 7.0.6-0		Id: 1/8

AYAB
all yarns are beautiful



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Sheet: /ESP32/

File: mcu.kicad_sch

Title: ESP32

Size: A4

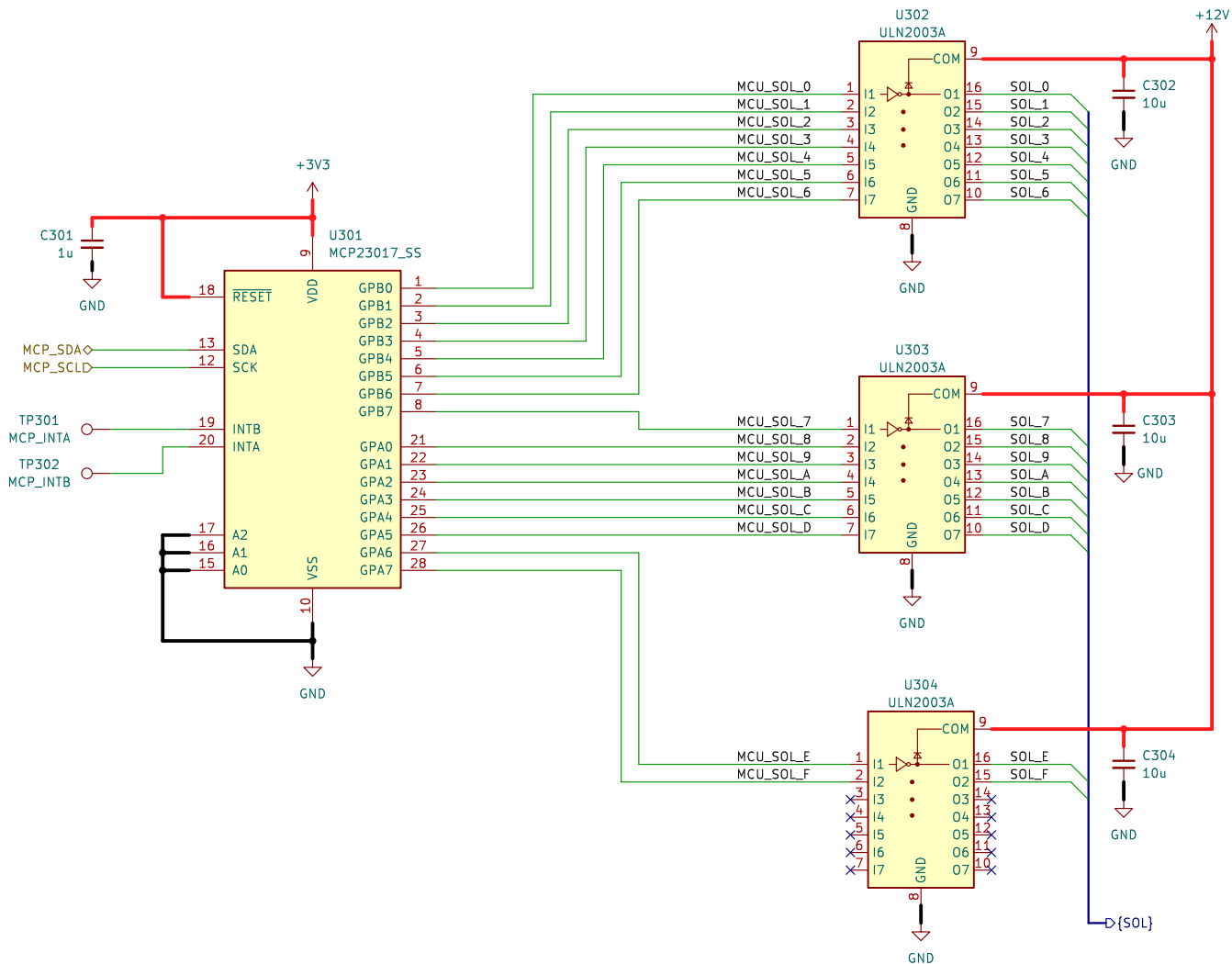
Date: 2023-07-17

KiCad E.D.A. kicad 7.0.6-0

Rev: 0.1

Id: 2/8

SOLENOID DRIVERS



unmodified machine is 26W
assuming all power is
used by solenoids - 130mA each
ULN2003A max current 500mA each output
2.5A package current max

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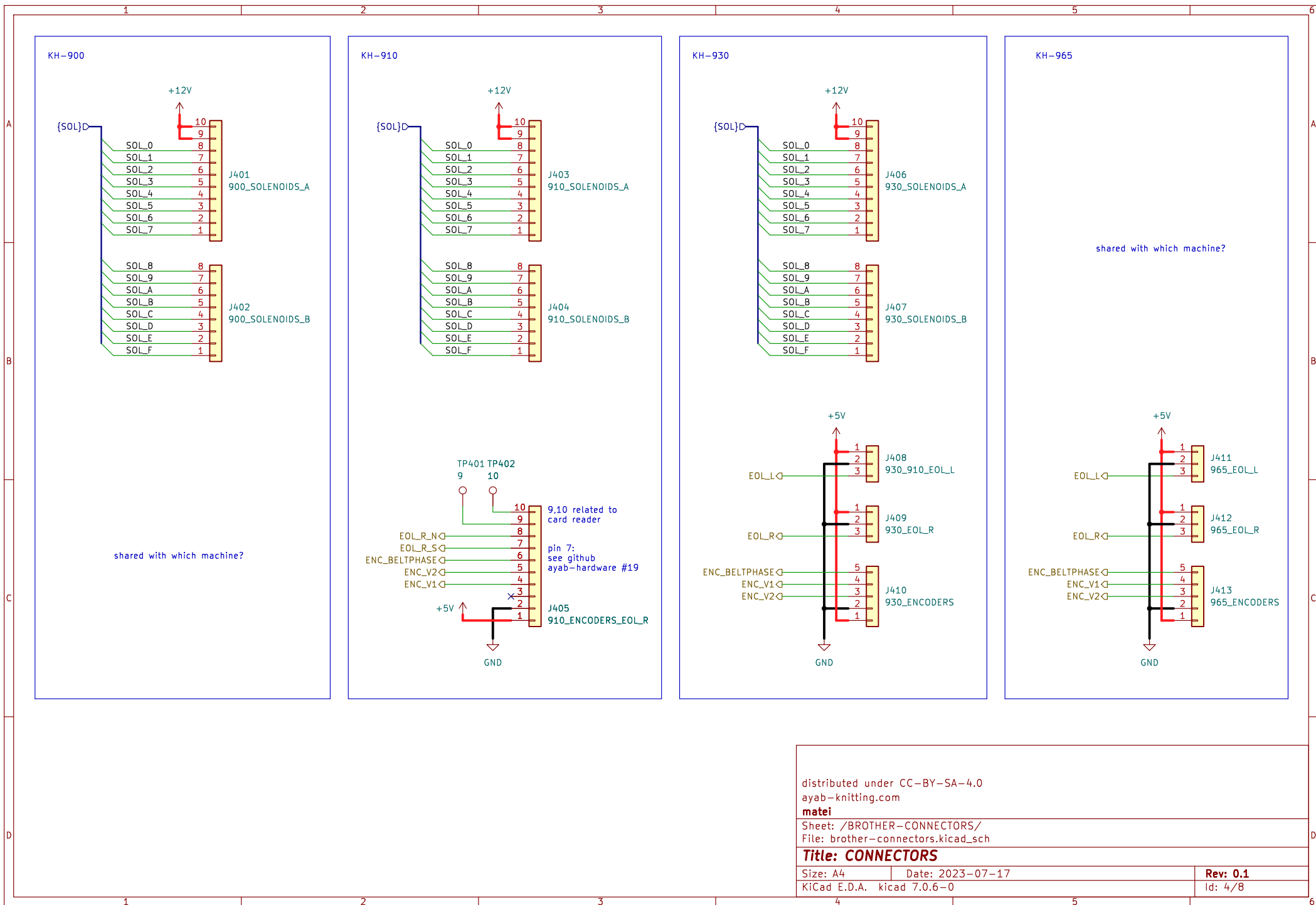
matei

Sheet: /SOLENOID DRIVERS/
File: solenoids.kicad_sch

Title: SOLENOID DRIVERS

Size: A4 Date: 2023-07-17
KiCad E.D.A. kicad 7.0.6-0

Rev: 0.1
Id: 3/8



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Sheet: /BROTHER-CONNECTORS/
File: brother-connectors.kicad_sch

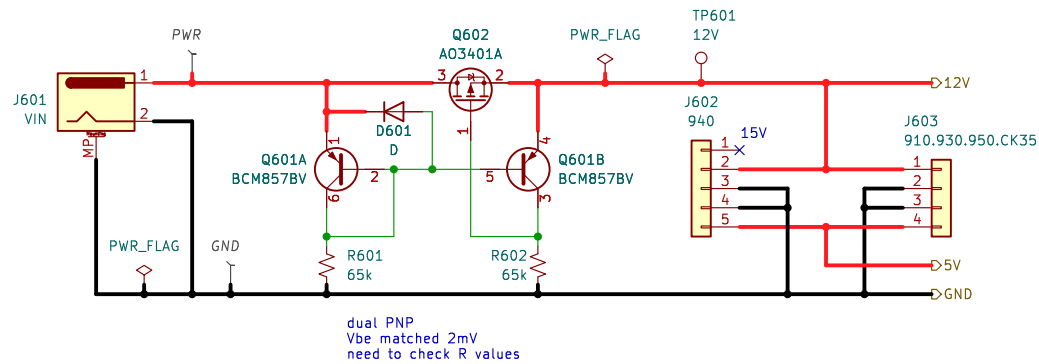
Title: CONNECTORS

Size: A4 Date: 2023-07-17
KiCad E.D.A. kicad 7.0.6-0

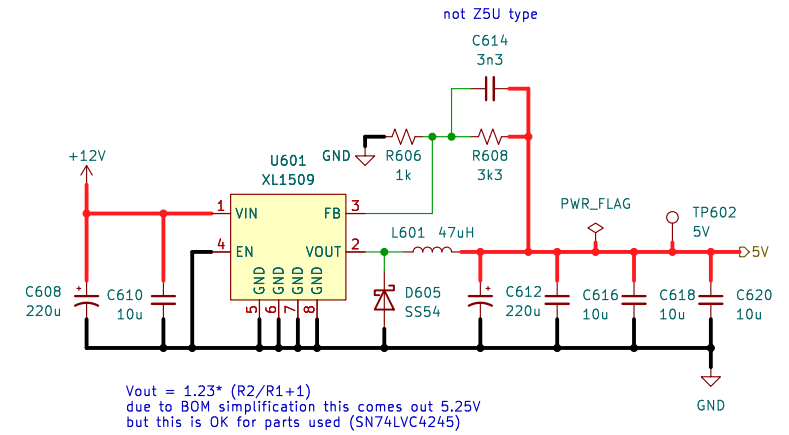
Rev: 0.1
Id: 4/8

Id: 5/8

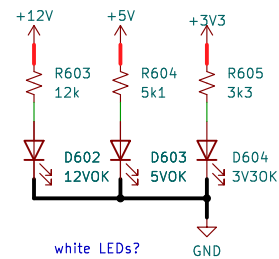
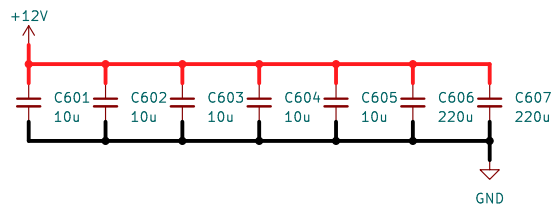
BARREL JACK / BROTHER INPUT
POLARITY PROTECTION
ZERO VOLT DIODE



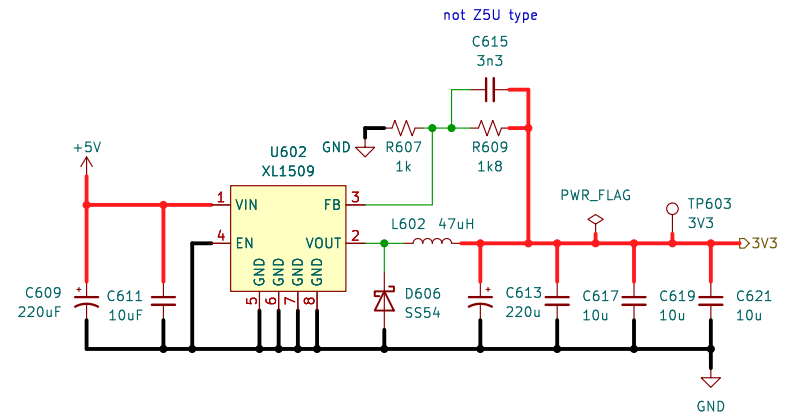
5V SUPPLY



INDICATORS



3V3 SUPPLY



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Sheet: /PSU/

File: psu.kicad_sch

Title: POWER SUPPLY

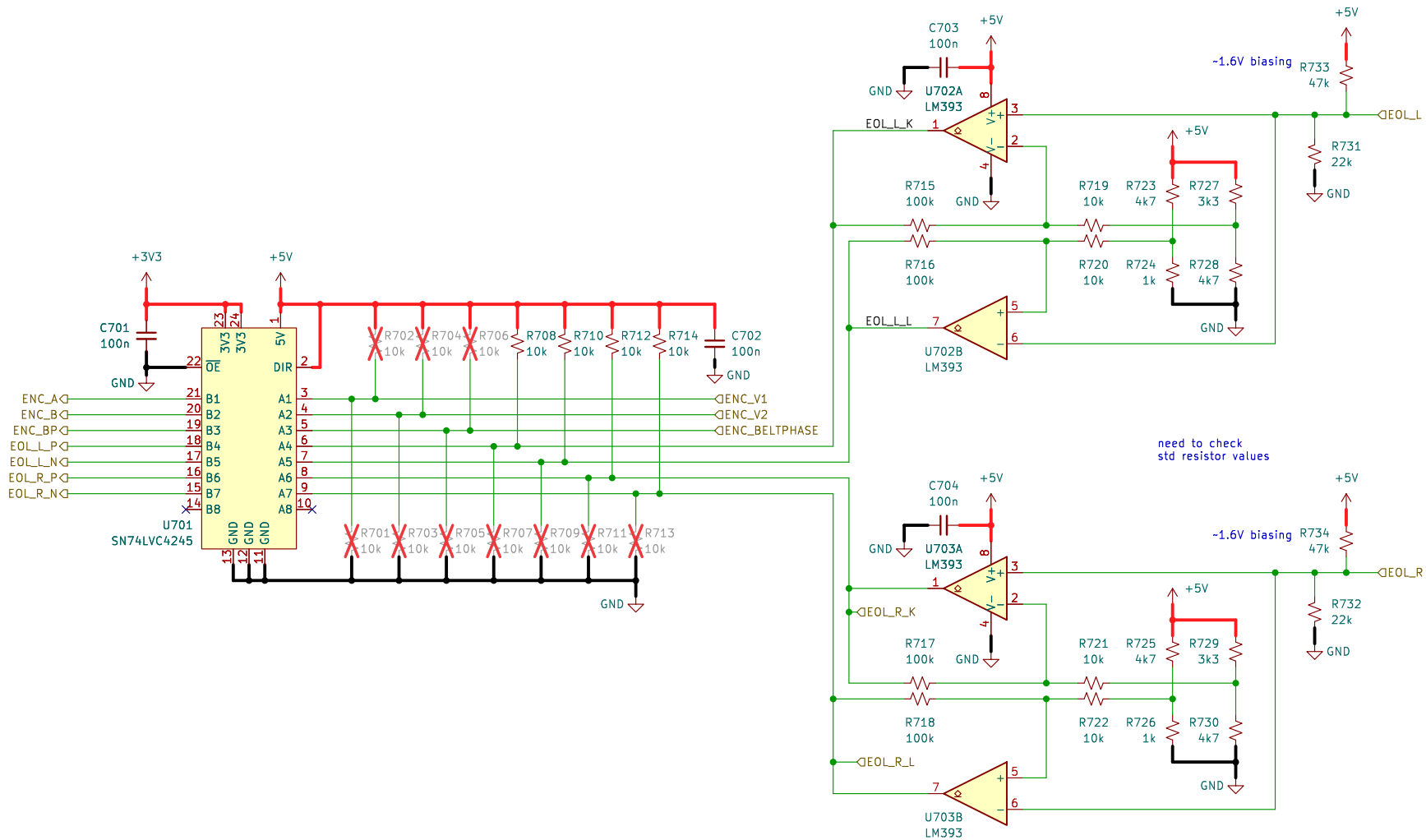
Size: A4

Date: 2023-07-17

KiCad E.D.A. kicad 7.0.6-0

Rev: 0.1

Id: 6/8



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Sheet: /IO CONDITIONING/

File: ioconditioning.kicad_sch

Title: I/O CONDITIONING

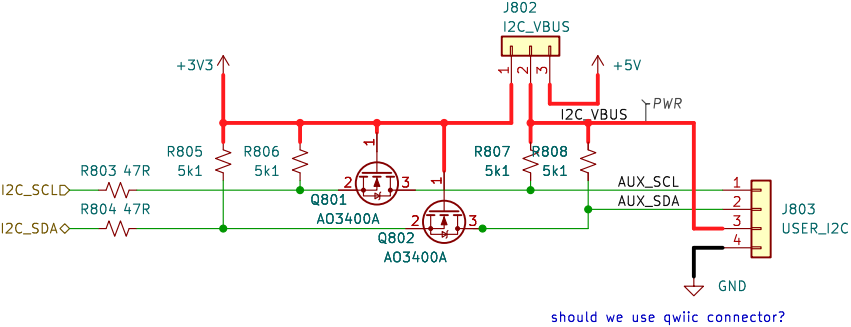
Size: A4 Date: 2023-07-27

KiCad E.D.A. kicad 7.0.6-0

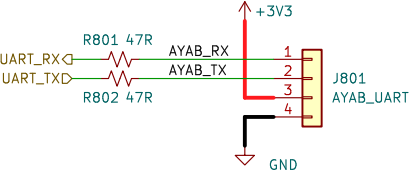
Rev: 0.1

Id: 7/8

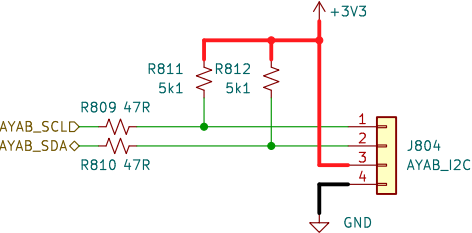
AUX EXPANSION



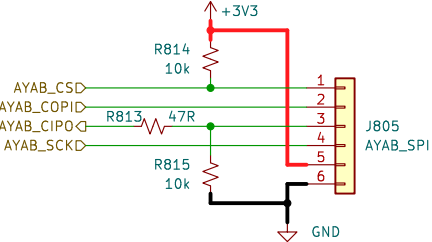
AYAB UART debug port



MCP-external control



Future display



Sheet: /AUX-CONNECTORS/
File: aux-connectors.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad 7.0.6-0

Rev:

Id: 8/8