

matei repair lab

Sheet: /usb/

File: usb.kicad_sch

Title: USB & ESD

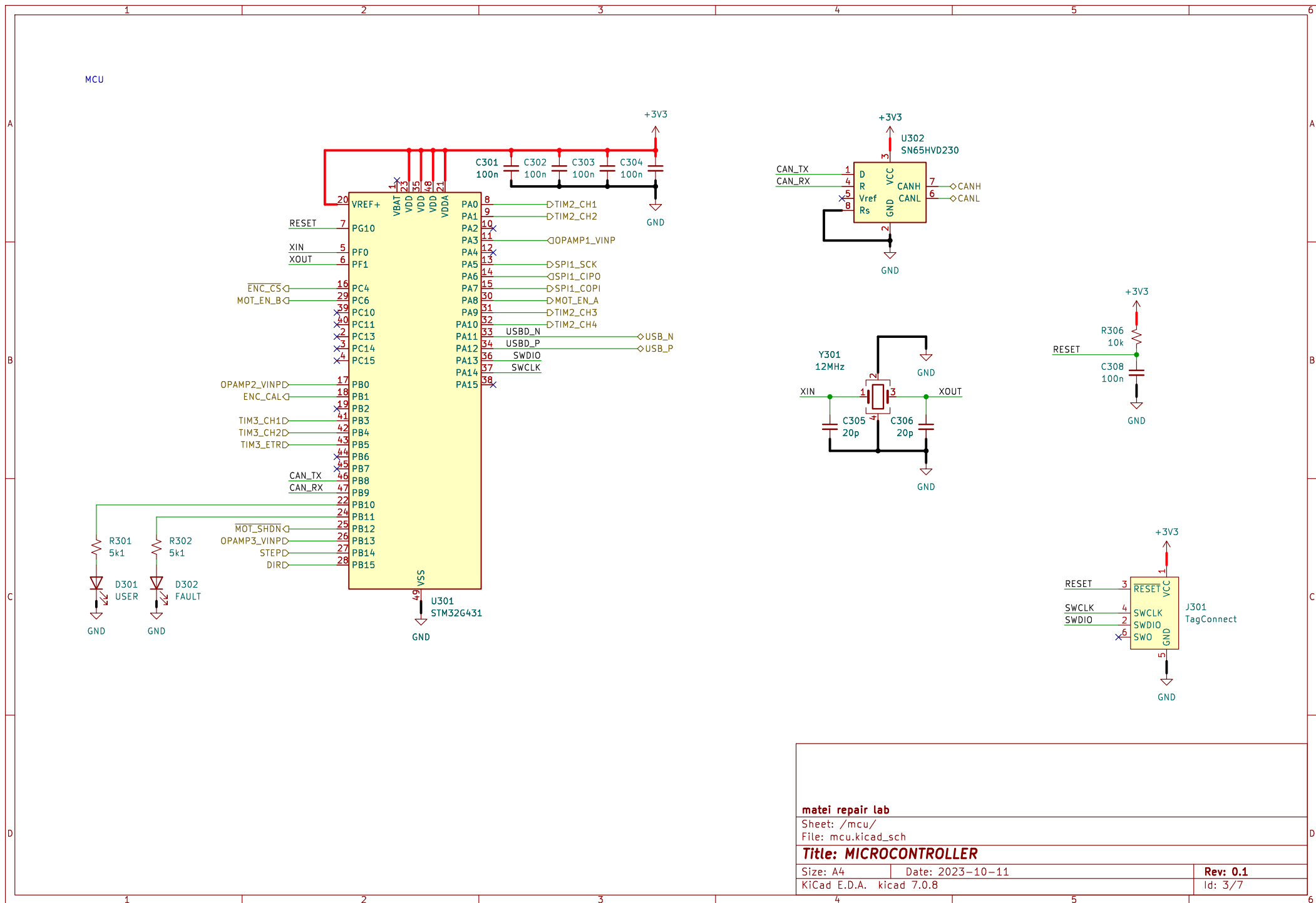
Size: A4

Date: 2023-10-11

Rev: 0.1

KiCad E.D.A. kicad 7.0.8

Id: 2/7



matei repair lab

Sheet: /mcu/
File: mcu.kicad_sch

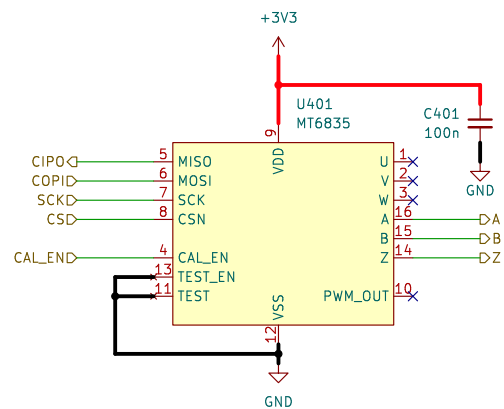
Title: MICROCONTROLLER

Size: A4 Date: 2023-10-11

KiCad E.D.A. kicad 7.0.8

Rev: 0.1

Id: 3/7



matei repair lab

Sheet: /encoder/

File: encoder.kicad_sch

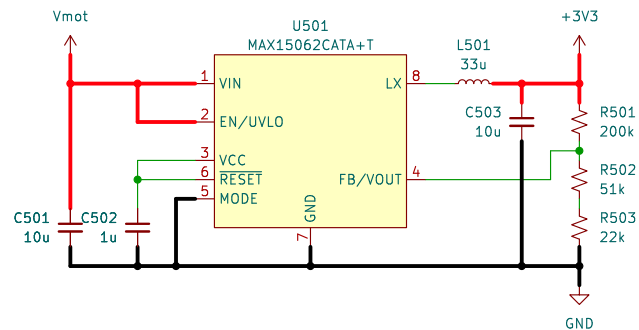
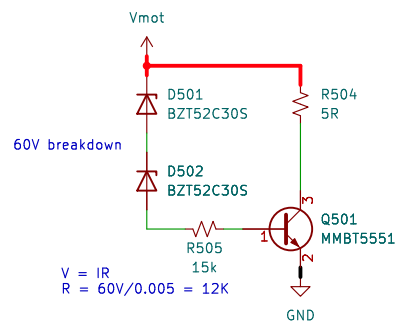
Title: MAGNETIC ENCODER 14 BIT

Size: A4 Date: 2023-10-11

KiCad E.D.A. kicad 7.0.8

Rev: 0.1

Id: 4/7



$$R_a = R_b(V_{out}/0.9 - 1)$$

3.36V (closest to 3v3 with basic parts)

matei repair lab

Sheet: /psu/
File: psu.kicad_sch

Title: POWER SUPPLY & FILTERING

Size: A4 Date: 2023-10-11

KiCad E.D.A. kicad 7.0.8

Rev: 0.1

Id: 6/7

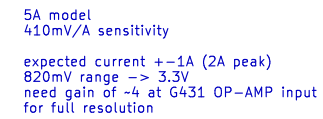


Size: A4	Date:
KiCad E.D.A.	kiCad 7.0.8

Date:

Rev:

Id: 7/7



due to "hybrid" phase connection, it may be possible to have 8x gain on the independent phases, and just this 4x gain on the center tap.