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Sheet: /

File: ayab-esp32.kicad_sch

Title: AYAB-ESP32 overview

Size: A4 Date: 2023-07-17

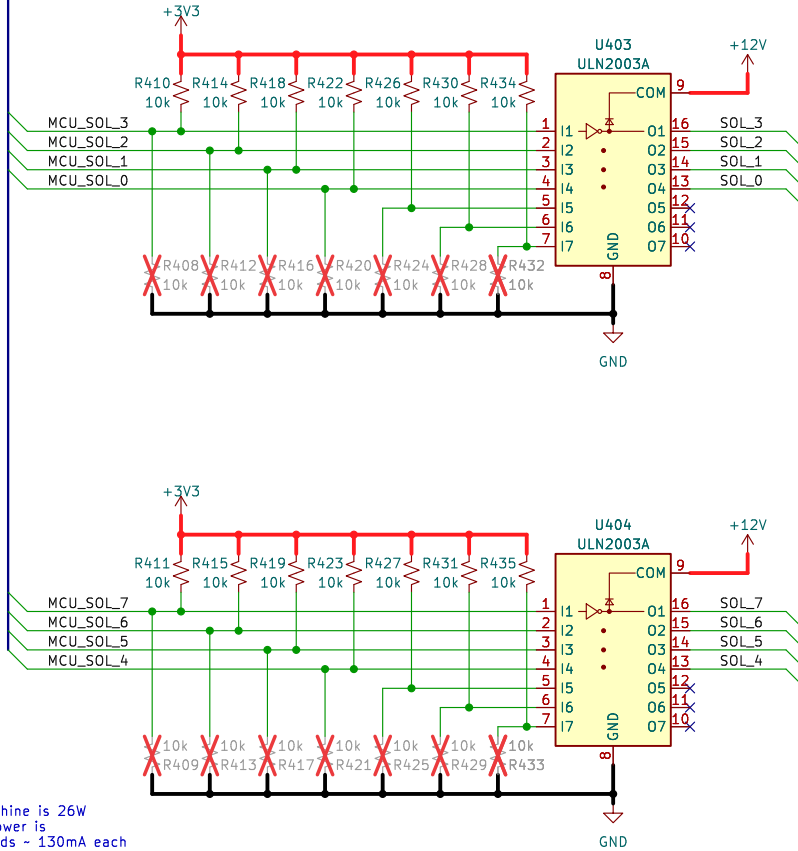
KiCad E.D.A. kicad 7.0.5-0

Rev: 0.1

Id: 1/6

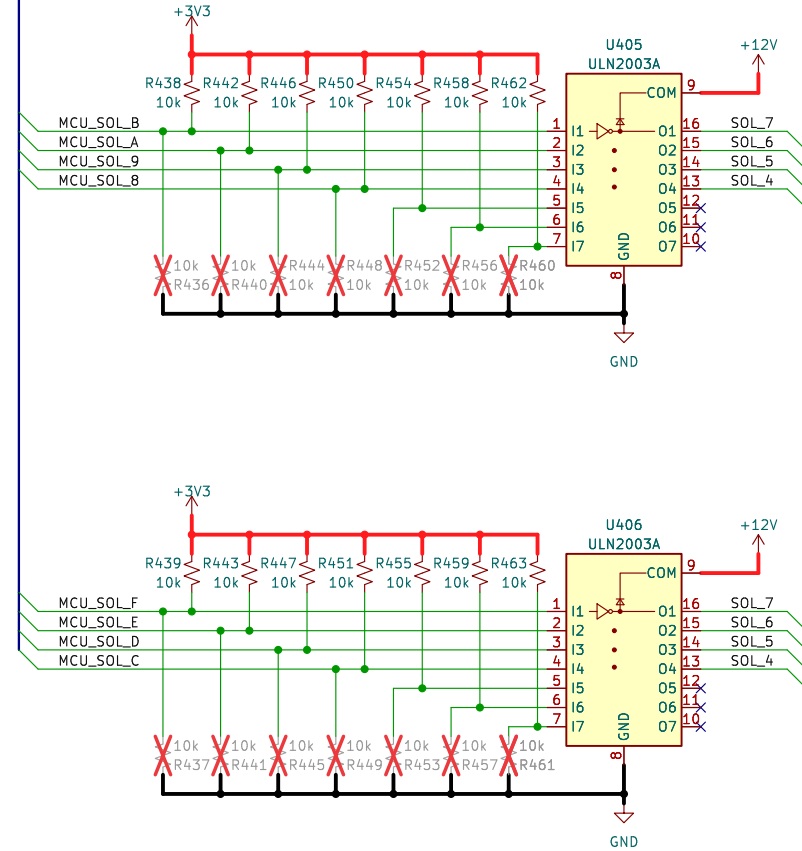
SOLENOID DRIVERS

{MCU_SOL}D



unmodified machine is 26W
assuming all power is
used by solenoids ~ 130mA each
ULN2003A max current 500mA each

{MCU_SOL}D



{SOL}

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Sheet: /SOLENOID DRIVERS/
File: solenoids.kicad_sch

Title: SOLENOID DRIVERS

Size: A4 Date: 2023-07-17

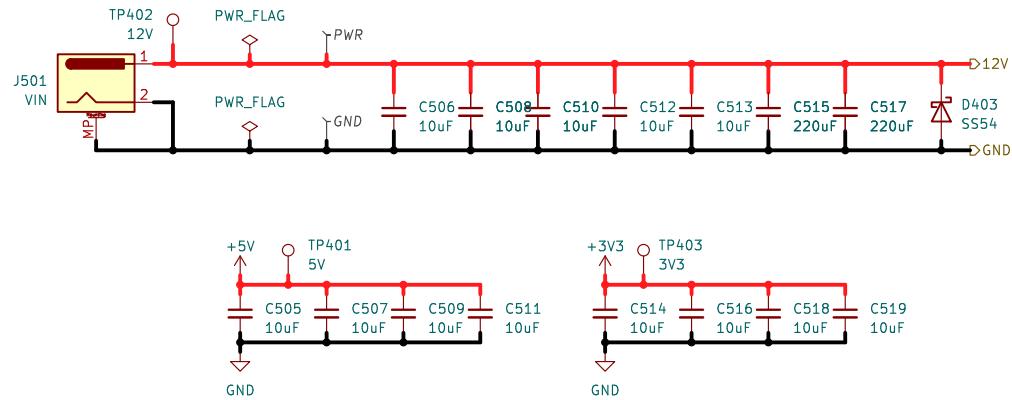
KiCad E.D.A. kicad 7.0.5-0

Rev: 0.1

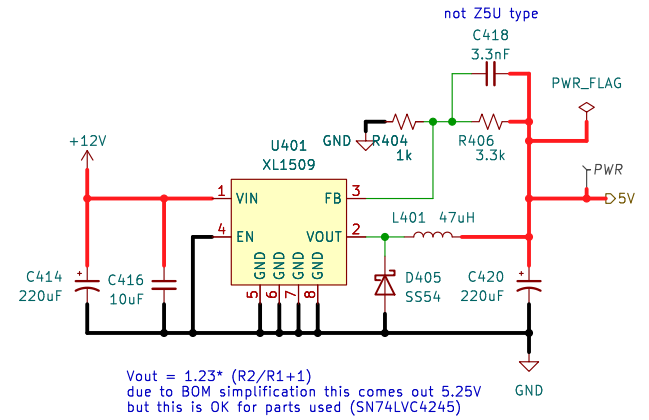
Id: 3/6

Id: 5/6

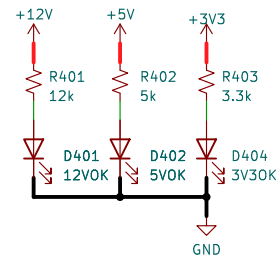
INPUT, FILTERING REVERSE POLARITY PROTECTION



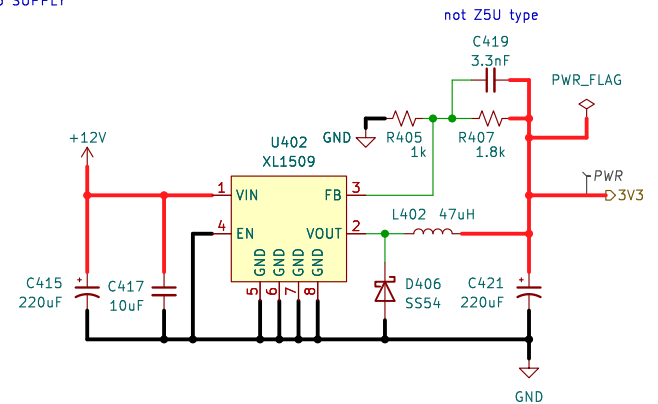
5V SUPPLY



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 7.0.5-0

Rev: 0.1

Id: 6/6