

distributed under CC-BY-SA-4.0
ayab-knitting.com
matei

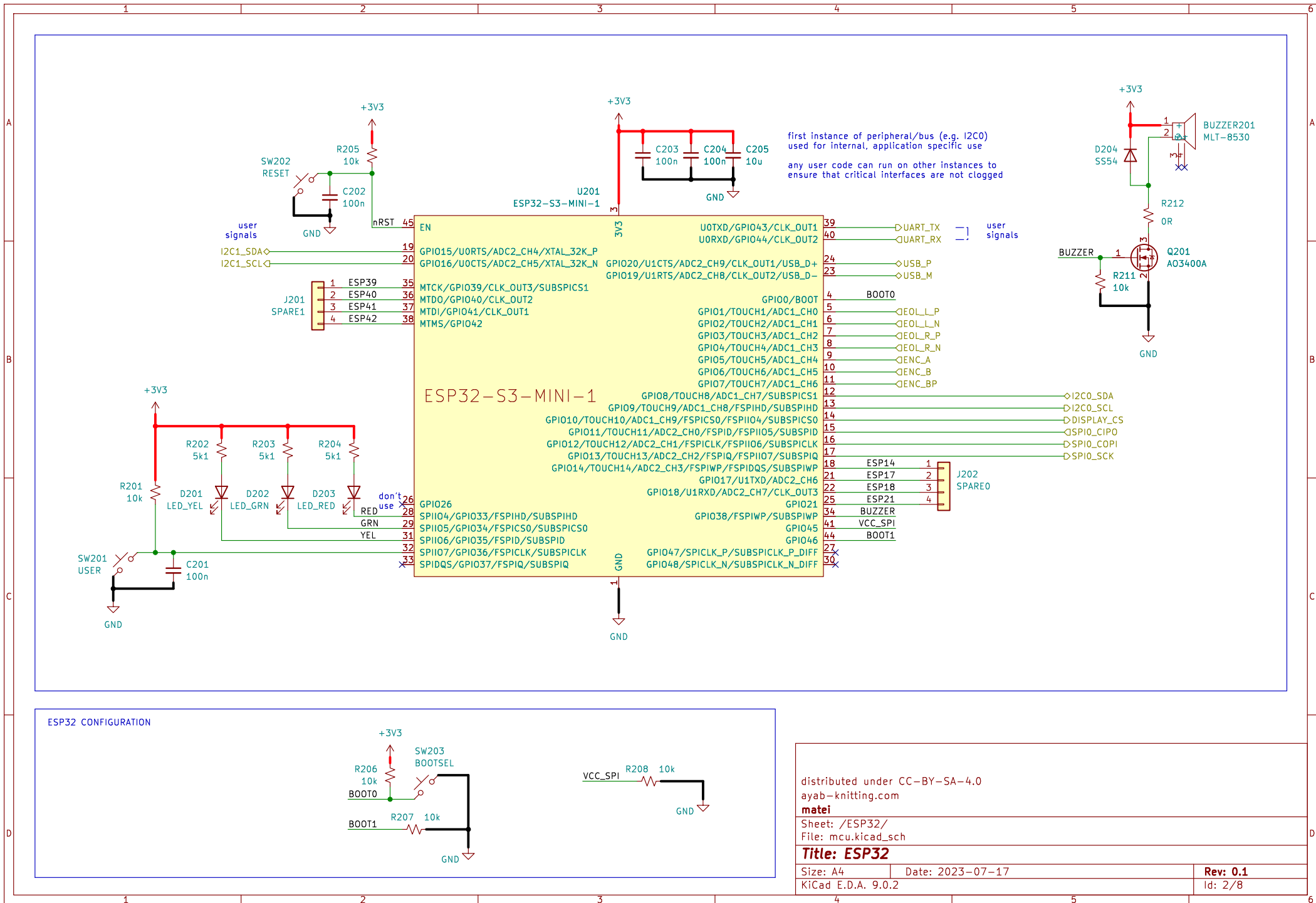


Sheet: /
File: ayab-esp32.kicad_sch

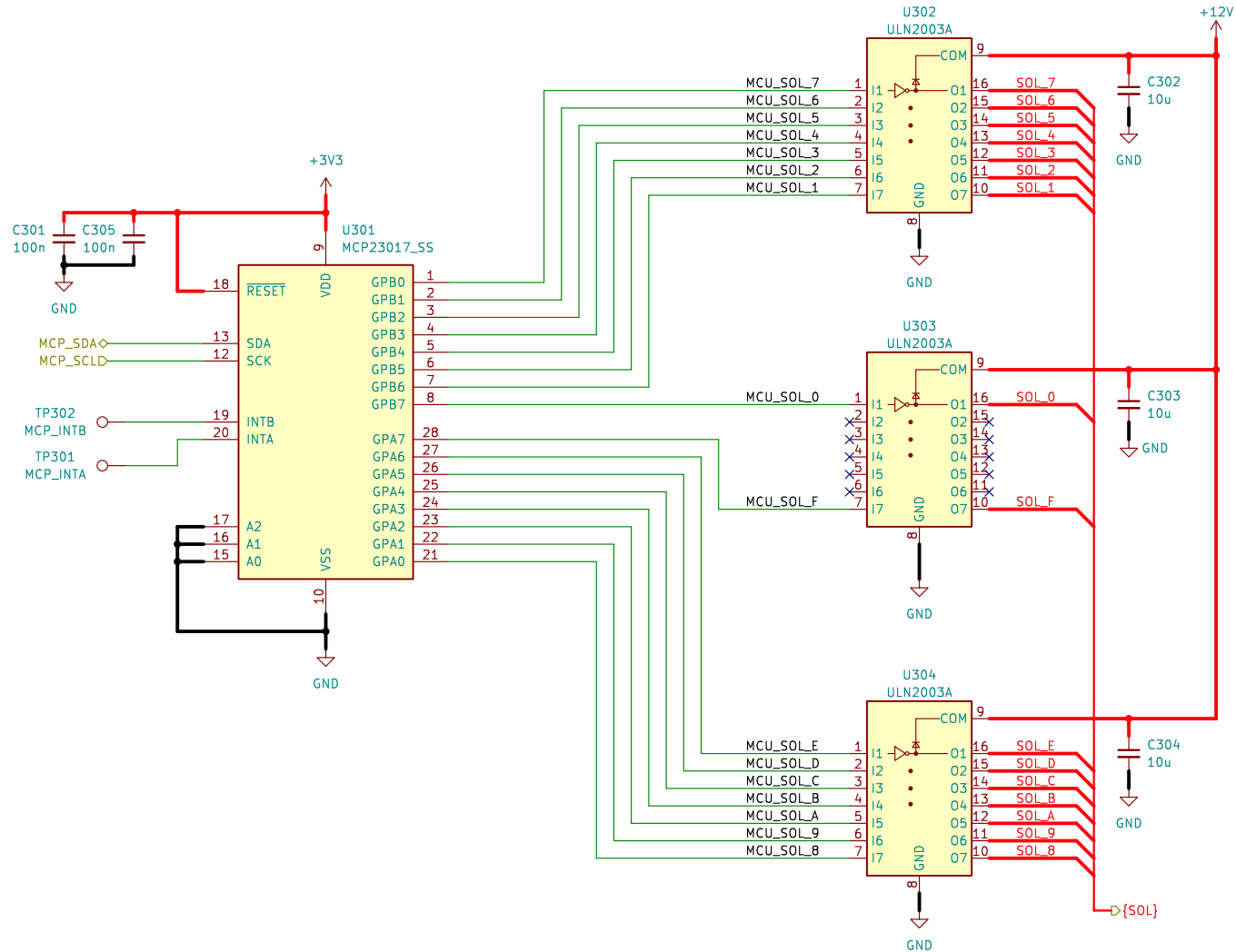
Title: AYAB-ESP32 overview

Size: A4 Date: 2023-07-17
KiCad E.D.A. 9.0.2

Rev: 0.1
Id: 1/8



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

distributed under CC-BY-SA-4.0

ayab-knitting.com

matei

Sheet: /SOLENOID DRIVERS/

File: solenoids.kicad_sch

Title: SOLENOID DRIVERS

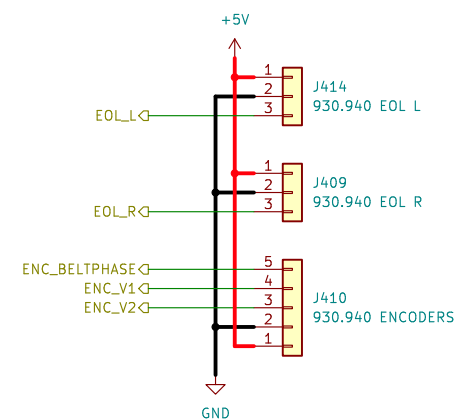
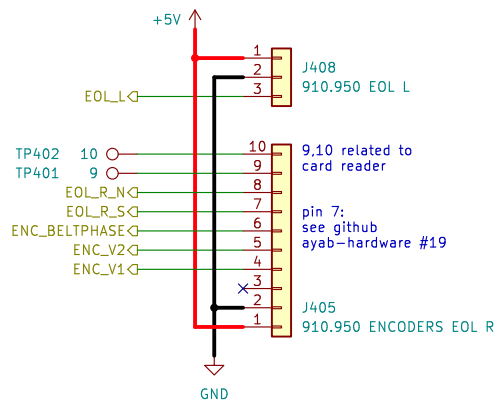
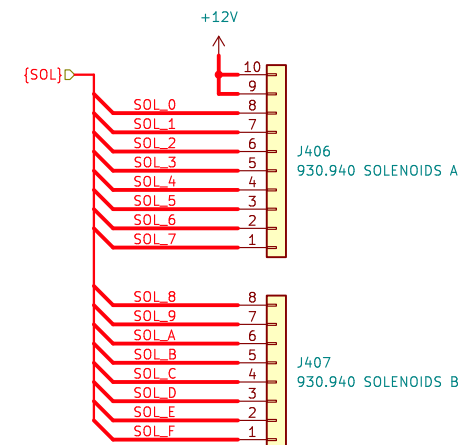
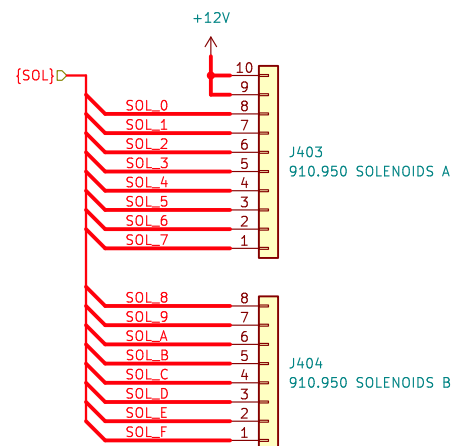
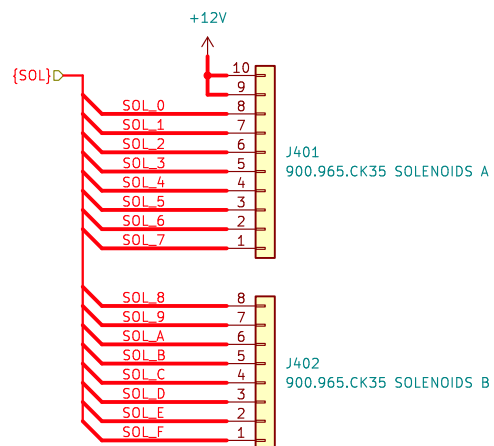
Size: A4

Date: 2023-07-17

Rev: 0.1

KiCad E.D.A. 9.0.2

Id: 3/8



distributed under CC-BY-SA-4.0

ayab-knitting.com

matei

Sheet: /BROTHER-CONNECTORS/

File: brother-connectors.kicad_sch

Title: CONNECTORS

Size: A4

Date: 2023-07-17

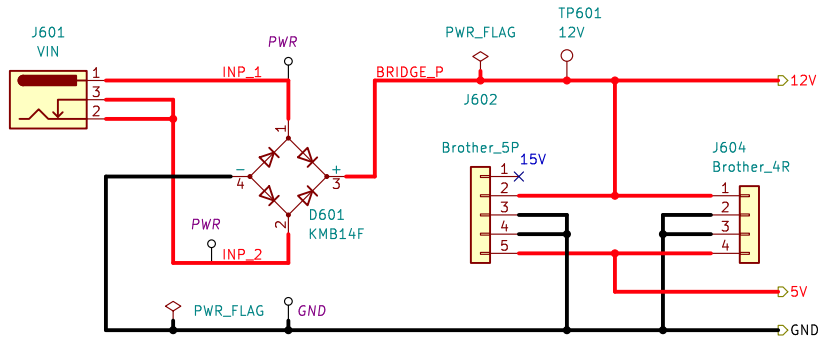
Rev: 0.1

SIZE: A1	
KiCad E.D.A. 9.0.2	

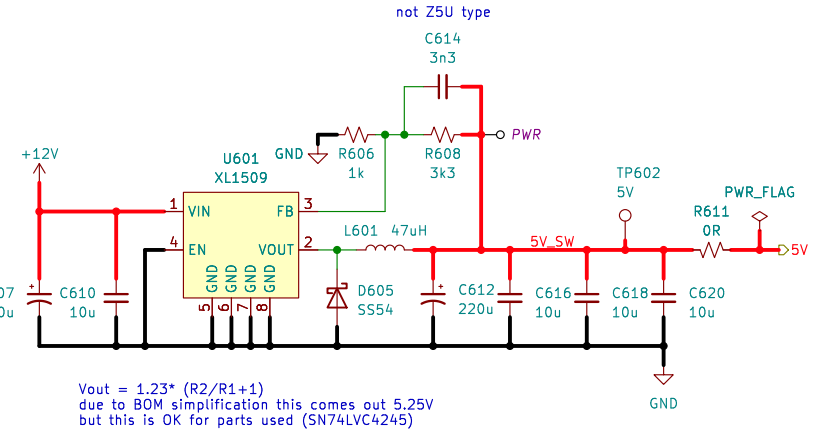
Id: 4/8



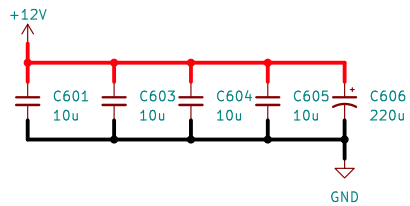
BARREL JACK / BROTHER INPUT
POLARITY PROTECTION
ZERO VOLT DIODE



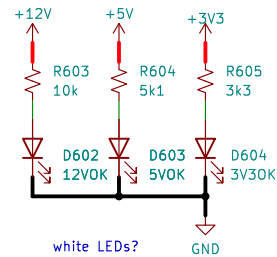
5V SUPPLY



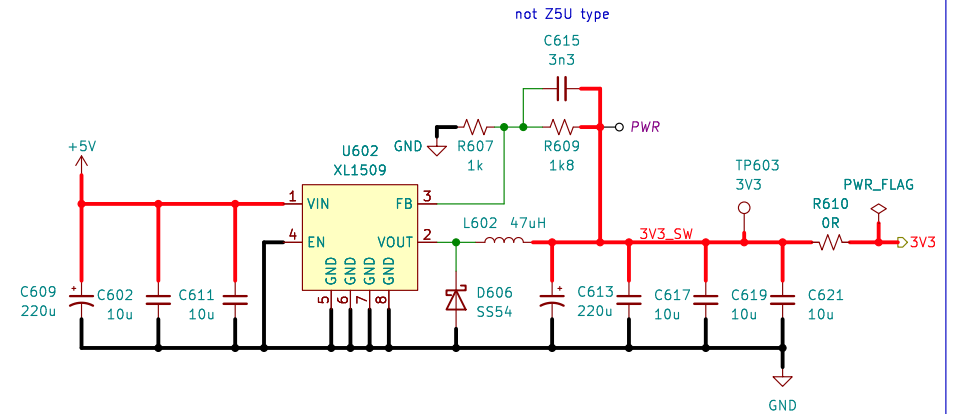
BULK CAPACITANCE



INDICATORS



3V3 SUPPLY



distributed under CC-BY-SA-4.0
ayab-knitting.com

matei

Sheet: /PSU/
File: psu.kicad_sch

Title: POWER SUPPLY

Size: A4 Date: 2023-07-17

KiCad E.D.A. 9.0.2

Rev: 0.1

Id: 6/8

