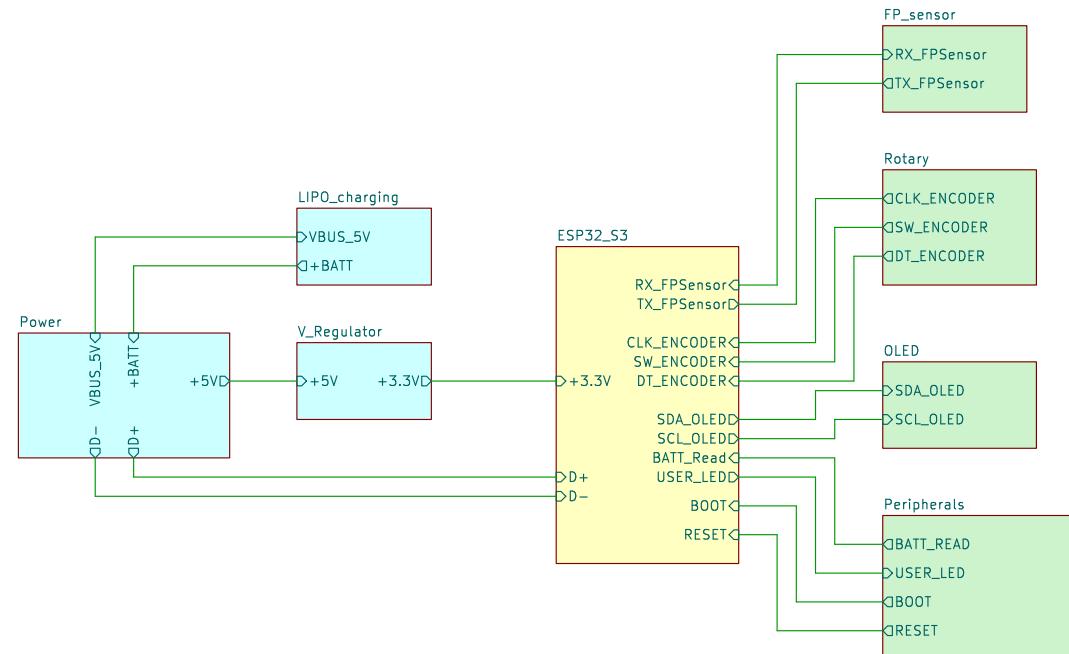


PassMan – BLOCK DIAGRAM



Sheet: /
File: Passman.kicad_sch

Title: PassMan – BLOCK DIAGRAM

Size: A4 Date: 2025-09-18

KiCad E.D.A. 9.0.1

Rev: V2

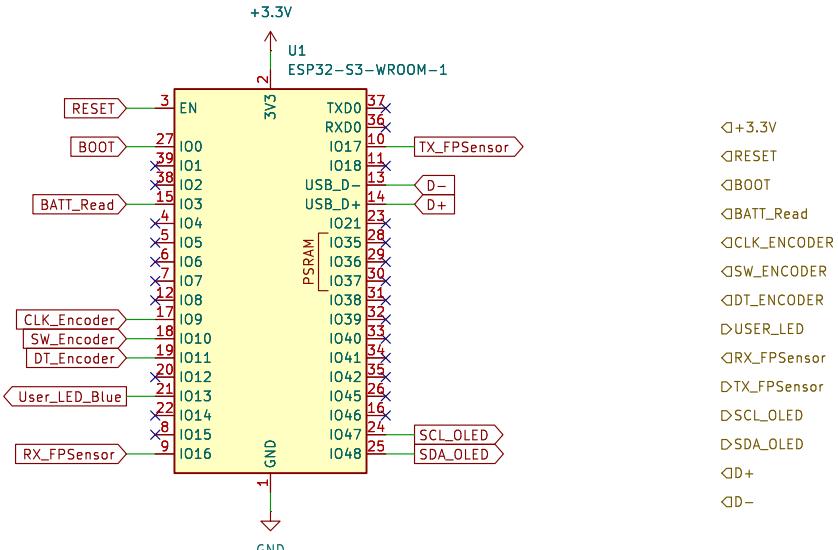
| Id: 1/9

1 2 3 4

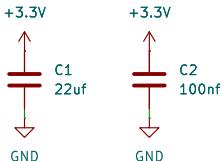
EPS32 S3 WROOM 1

A

A



Decoupling Caps



Sheet: /ESP32_S3/
File: esp32.kicad_sch

Title: EPS32 S3 WROOM 1

Size: A5	Date: 2025-09-18
KiCad E.D.A. 9.0.1	

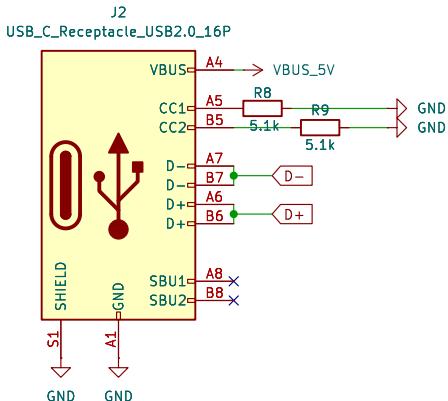
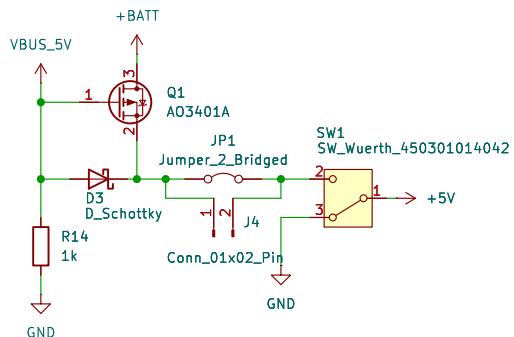
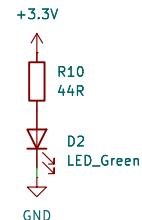
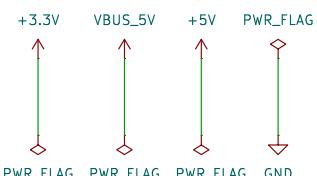
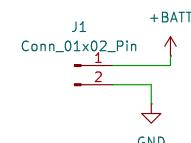
Rev: V2
Id: 2/9

C

C

1 2 3 4

1 2 3 4

USB-C**Power Management & switch****LED Power Indicator****Connectors**

□+BATT
□VBUS_5V
□D+
□D-
□+5V

Sheet: /Power/
File: power.kicad_sch

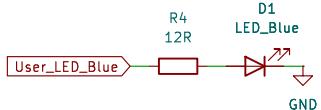
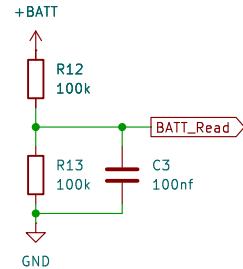
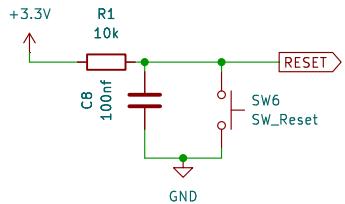
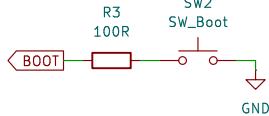
Title: Passman – Power

Size: A5 | Date: 2025-09-18
KiCad E.D.A. 9.0.1

Rev: V2
Id: 3/9

C

1 2 3 4 C

User LED**Battery read****Reset button****Boot button**`USER_LED``DRESET``DBOOT``BATT_READ`

Sheet: /Peripherals/
File: peripherals.kicad_sch

Title: Passman – Peripherals

Size: A5 Date: 2025-09-18

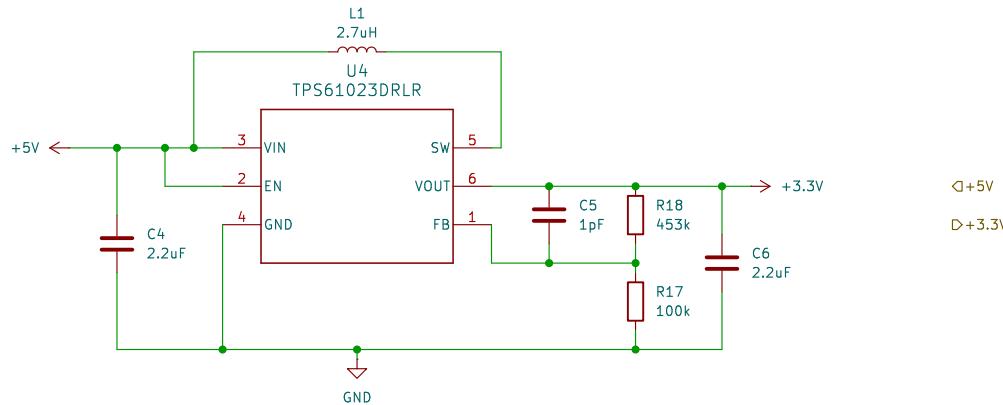
KiCad E.D.A. 9.0.1

Rev: V2

Id: 4/9

A

Switching voltage regulator



B

C

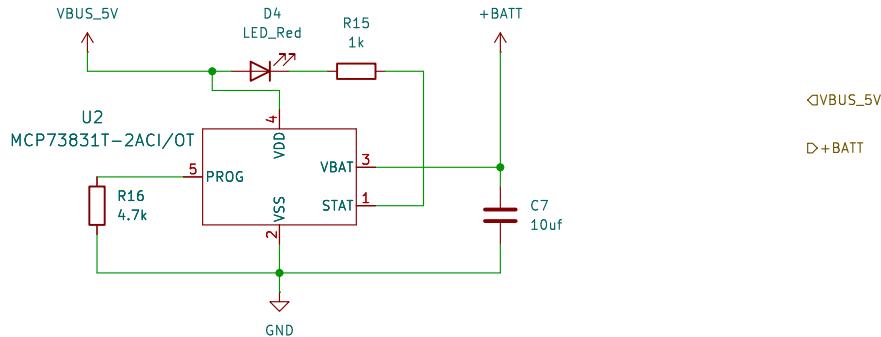
Sheet: /V_Regulator/
 File: V_regulator.kicad_sch

Title: Voltage Regulator

Size: A5 | Date: 2025-09-18
 KiCad E.D.A. 9.0.1

Rev: V2
 Id: 5/9

LIP0 Charging



Sheet: /LIP0_charging/
File: LIP0_charging.kicad_sch

Title: LIP0 Charging

Size: A5 Date: 2025-09-18
KiCad E.D.A. 9.0.1

Rev: V2
Id: 6/9

A

Rotary Encoder

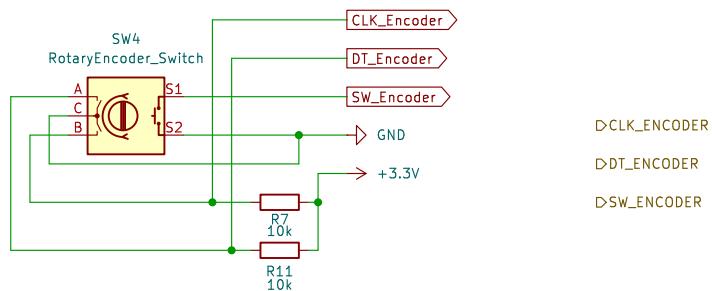
A

B

B

C

C



DCLK_ENCODER

DDT_ENCODER

DSW_ENCODER

Sheet: /Rotary/
File: rotary.kicad_sch

Title: Rotary encoder

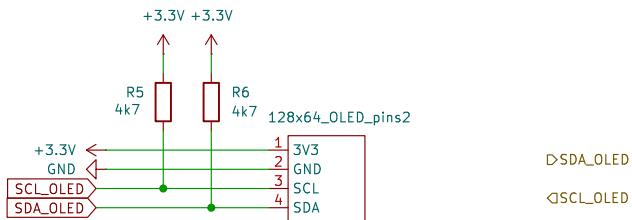
Size: A5 Date: 2025-09-18
KiCad E.D.A. 9.0.1

Rev: V2
Id: 7/9

A

A

OLED Display



B

B



Sheet: /OLED/
File: OLED.kicad_sch

Title: OLED Display

Size: A5 Date: 2025-09-18
KiCad E.D.A. 9.0.1

Rev: V2
Id: 8/9

C

C

A

A

Fingerprint Sensor



B

B



Sheet: /FP_sensor/
File: FP_sensor.kicad_sch

Title: Fingerprint Sensor

Size: A5 | Date: 2025-09-18
KiCad E.D.A. 9.0.1

Rev: V2
Id: 9/9

C

C