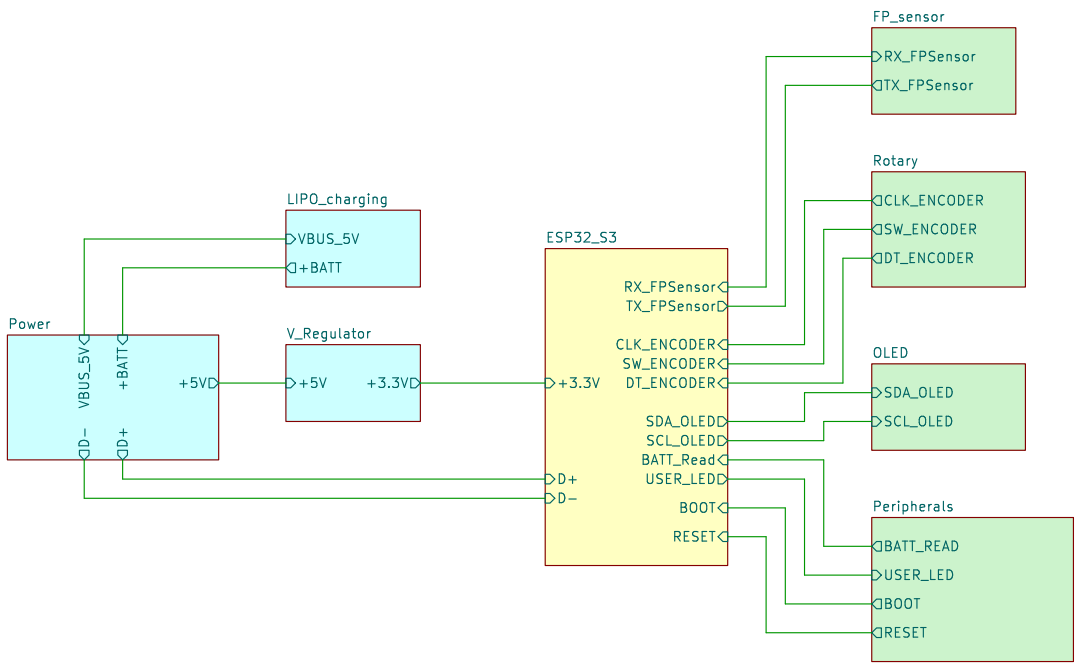
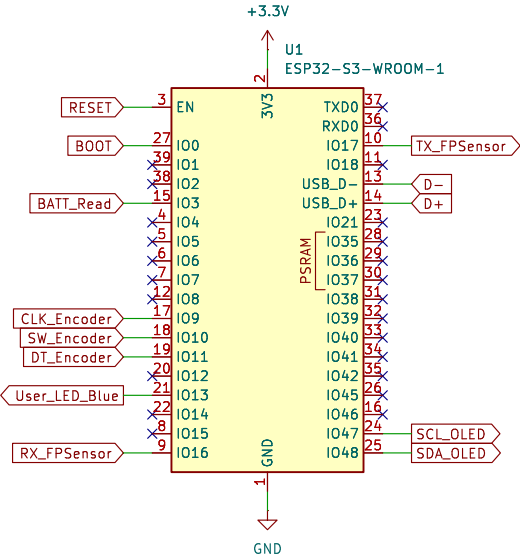


PassMan – BLOCK DIAGRAM



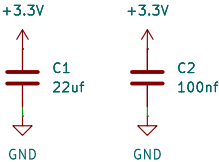
Sheet: /		
File: Passman.kicad_sch		
Title: PassMan – BLOCK DIAGRAM		
Size: A4	Date: 2025-09-18	Rev: V2
KiCad E.D.A. 9.0.1	Id: 1/9	

EPS32 S3 WROOM 1



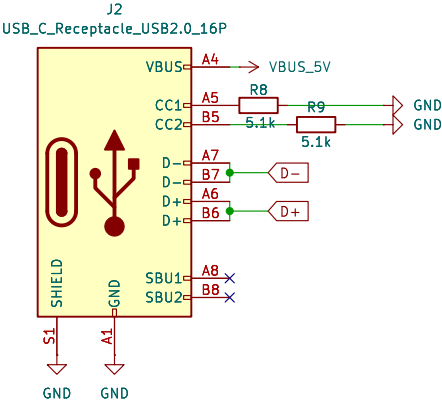
- Q+3.3V
- QRESET
- QBOOT
- QBATT_Read
- QCLK_ENCODER
- QDT_ENCODER
- DUSER_LED
- QRX_FPSensor
- DTX_FPSensor
- D_SCL_OLED
- DSDA_OLED
- QD+
- QD-

Decoupling Caps

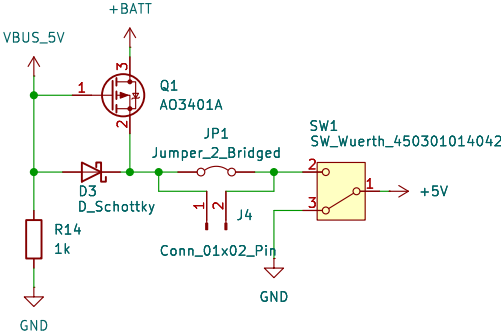


Sheet: /ESP32_S3/	
File: esp32.kicad_sch	
Title: EPS32 S3 WROOM 1	
Size: A5	Date: 2025-09-18
KiCad E.D.A. 9.0.1	Rev: V2
	Id: 2/9

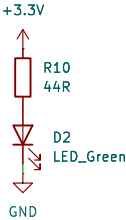
USB-C



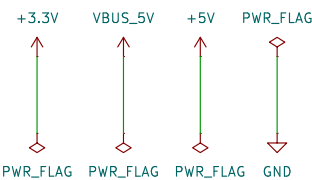
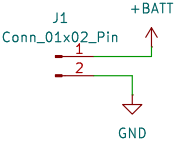
Power Management & switch



LED Power Indicator



Connectors



Q+ BATT
Q VBUS_5V
D D+
D D-
D +5V

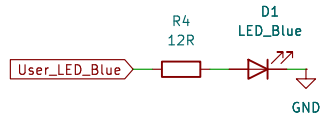
Sheet: /Power/
File: power.kicad_sch

Title: Passman - Power

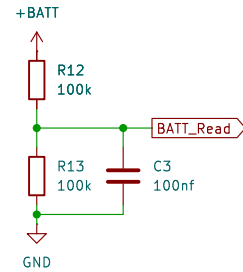
Size: A5 Date: 2025-09-18
KiCad E.D.A. 9.0.1

Rev: V2
Id: 3/9

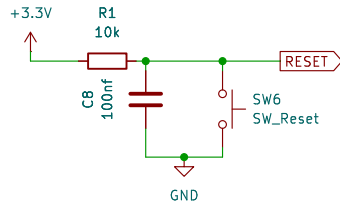
User LED



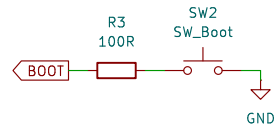
Battery read



Reset button



Boot button



◁USER_LED

▷RESET

▷BOOT

▷BATT_READ

Sheet: /Peripherals/
File: peripherals.kicad_sch

Title: Passman – Peripherals

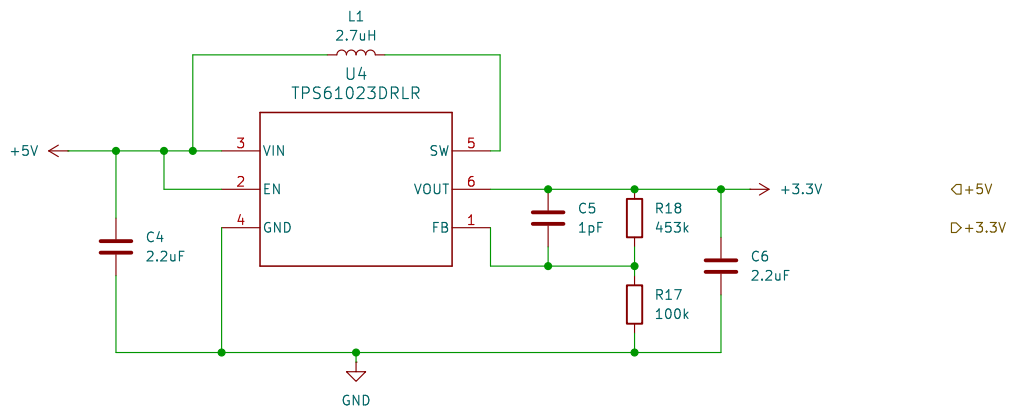
Size: A5 Date: 2025-09-18

KiCad E.D.A. 9.0.1

Rev: V2

Id: 4/9

Switching voltage regulator



Sheet: /V_Regulator/
File: V_regulator.kicad_sch

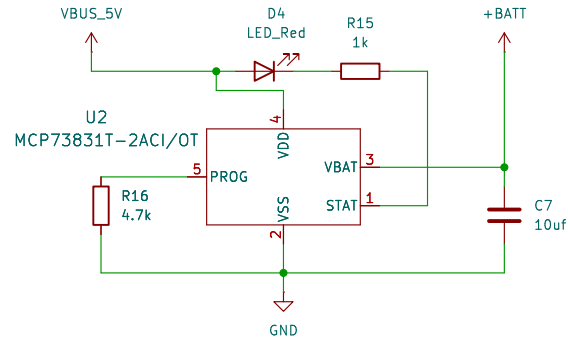
Title: Voltage Regulator

Size: A5
KiCad E.D.A. 9.0.1

Date: 2025-09-18

Rev: V2
Id: 5/9

LIPO Charging



◁VBUS_5V

▷+BATT

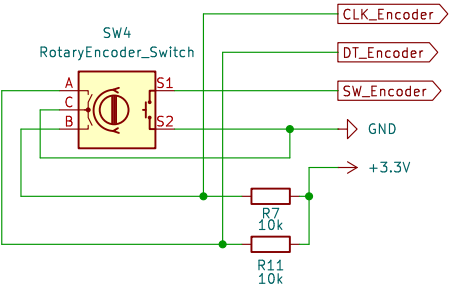
Sheet: /LIPO_charging/
File: LIPO_charging.kicad_sch

Title: LIPO Charging

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

Rev: V2
Id: 6/9

Rotary Encoder



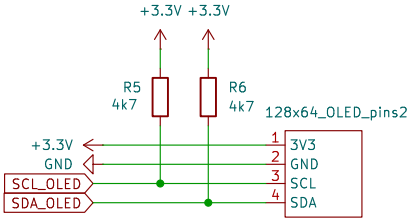
D>CLK_ENCODER

D>DT_ENCODER

D>SW_ENCODER

Sheet: /Rotary/		
File: roatry.kicad_sch		
Title: Rotary encoder		
Size: A5	Date: 2025-09-18	Rev: V2
KiCad E.D.A. 9.0.1		Id: 7/9

OLED Display



D>SDA_OLED

<SCL_OLED

Sheet: /OLED/ File: OLED.kicad_sch		
Title: OLED Display		
Size: A5	Date: 2025-09-18	Rev: V2
KiCad E.D.A. 9.0.1		Id: 8/9

