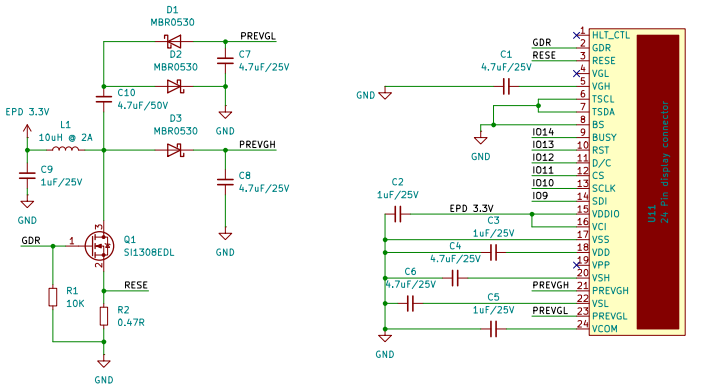
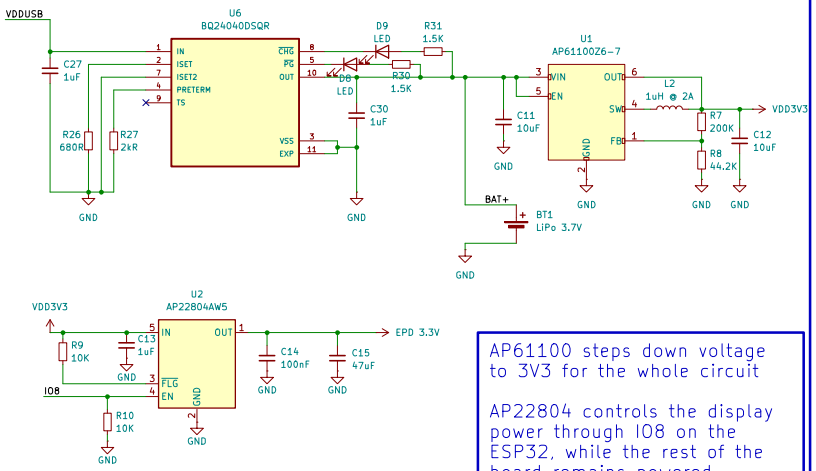
Display connector



BS to GND = 4-line SPI
BS to 3V3 = 3-line SPI

Using a separate SPI BUS for the diplay since it is write-only and u a different pin configuration

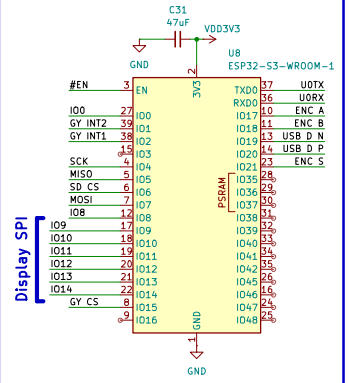
Power and charging



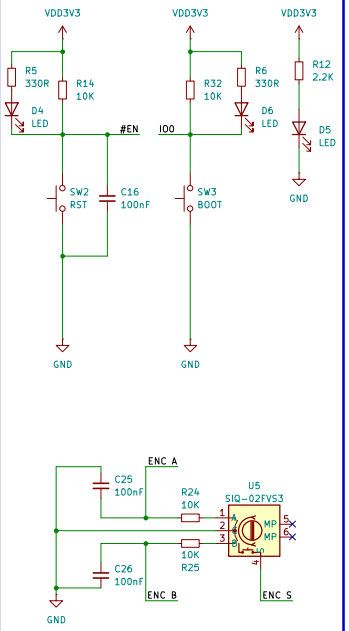
AP61100 steps down voltage to 3V3 for the whole circuit

AP22804 controls the display power through IO8 on the ESP32, while the rest of the board remains powered

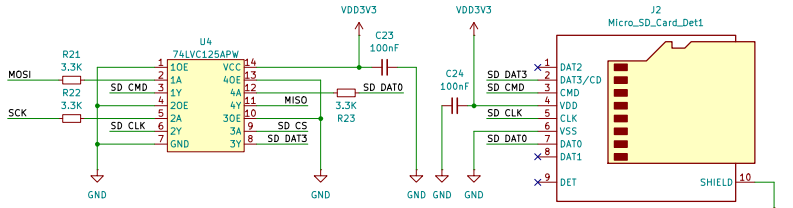
ESP32-S3-WROOM-1



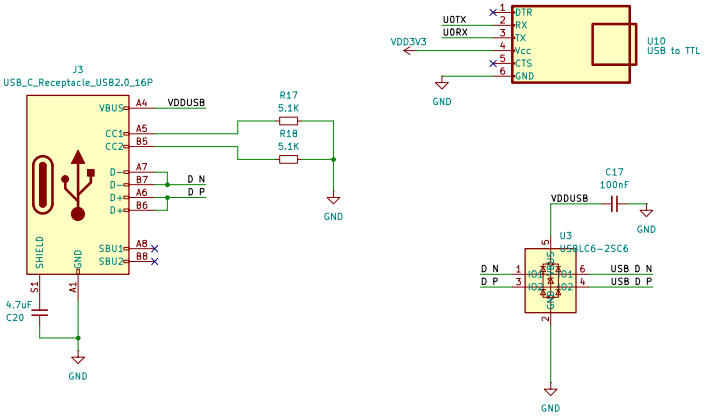
Controls and indicators



SD card reader

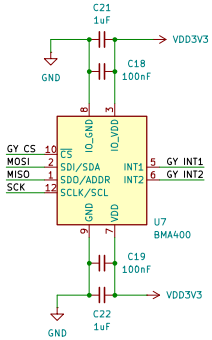


USB + ESD protection + UART connector



USBLC6-2SC6 provides flow-through the package, no need for tapping I/O traces to data lines

BMA400 accelerometer



4-line SPI

INT1 and INT2 - interrupt pins (reserved for "Auto Low-Power/Auto Wake-up")

Mounting holes

ARCHMASTER		
Sheet: /		
File: ePUB reader with e-ink display.kicad_sch		
Title: ESP32 ePUB reader		
Size: A3	Date:	**Rev: 1**
KiCad E.D.A. 8.0.4		Id: 1/1