1. Hardware Setup

Esp32 dev kit and TFT round GC9A01

GC9A01

ESP32

RST

D4

SCL

D18

DC

SDA

D23

D15

CS

D2

GND

GND

Vcc

3.3V

1. Software setup

ESP32 with vscode <https://medium.com/@techworldthink/build-your-first-esp32-project-with-esp-idf-and-vs-code-9163967ffe89>

1. Code explanation

This project use SPI2 to communicate with GC9A01. Fisrt of all, you need to init SPI2 then init oled with mandantory function :

void configPin(uint32\_t pin); // config specific pin with ouput

void setPin(uint32\_t pin, uint32\_t level); //set specific pin HIGH/LOW

void delayms(uint32\_t ms); // delay ms

void spiSend(uint8\_t \*buff, uint32\_t len); // send data via SPI