

The circuit diagram shows an ESP-12F module connected to a +3.3V power supply and ground. The module's pins are configured as follows:

- VCC**: Connected to +3.3V.
- GND**: Connected to ground.
- RST**: Connected to +3.3V through resistor R4 (10K).
- EN**: Connected to +3.3V through resistor R5 (10K).
- GPIO0**: Connected to pin 18 (Tx) through resistor R6 (10K).
- GPIO1/TXD**: Connected to pin 22 (Tx).
- GPIO2**: Connected to pin 17 (Rx).
- GPIO3/RXD**: Connected to pin 21 (Rx).
- GPIO4**: Connected to pin 19 (SDA).
- GPIO5**: Connected to pin 20 (SCL).
- GPIO12**: Connected to pin 6.
- GPIO13**: Connected to pin 7.
- GPIO14**: Connected to pin 5.
- GPIO15**: Connected to pin 16.
- GPIO16**: Connected to pin 4.

Three push buttons (SW2, SW3, SW4) are connected to the module's pins via resistors R7 (10K) and SW\_Push\_Dual components. SW2 is connected to pin 9 (CS0), SW3 to pin 10 (MISO), and SW4 to pin 11 (GPIO9). SW5 is connected to pin 12 (GPIO10), SW6 to pin 13 (GPIO11), and SW7 to pin 14 (GPIO12).

Wiring diagram for Display1 module:

- SDA to pin 4
- SCL to pin 3
- VCC\_OLED to pin 2
- GND to pin 1



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