

Connecting an ESP32 to an ST7735 TFT 128x160 display module.

Wiring the module requires 8 links as below.

ST7735 Display Module	Adafruit Examples Symbols	ESP32 VSPI	ESP32 HSPI	NANO
LED		5v		5v
SCK	TFT_SCLK	18	14	13
SDA	TFT_MOSI	23	13	11
A0	TFT_DC	2	32	8
RESET	TFT_RST	4		9
CS	TFT_CS	5	15	10
GND		GND		GND
VCC		3.3v		3.3v
	MISO	19	12	

MAX6675 Module

ST6675 Display Module	Adafruit Examples Symbols	ESP32 VSPI	ESP32 HSPI	NANO
SCK	TFT_SCLK	18	14	13
SDA	TFT_MOSI	23	13	11
A0	TFT_DC	2	32	8
RESET	TFT_RST	4		9
CS	TFT_CS	5		10
GND		GND		GND
VCC		3.3v		3.3v
	MISO	19	12	

Adafruit Code:

```
// Uses hardware SPI (recommended).  
Adafruit_ST7735 tft = Adafruit_ST7735(TFT_CS, TFT_DC, TFT_RST);
```

or

```
// Uses software SPI emulation (slow).  
Adafruit_ST7735 tft = Adafruit_ST7735(  
    TFT_CS, TFT_DC, TFT_MOSI, TFT_SCLK, TFT_RST);
```