

Firmware:

esp32: board: esp32-c3-devkitm-1

framework: type: esp-idf

Board File: Board-AITrip-ESP32-C3-FN4-Super-Mini.yaml

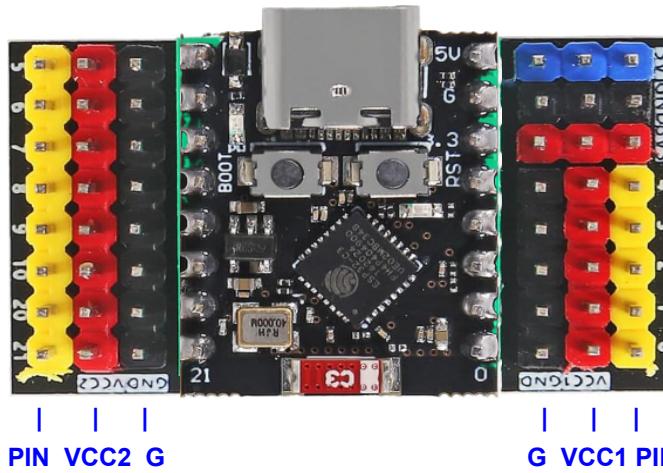
Hardware:

AITRIP ESP32-C3 FN4 SUPER MINI

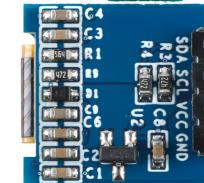
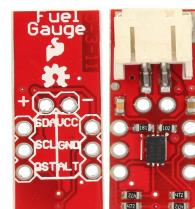
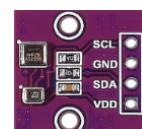
WEMOS D1 MINI ESP32

D1 Super Mini ESP32 w/ Expansion Board**USB C****IAQ Device Use**

GPIO / 5RX Safe 5
 GPIO6 / MOSI 6
 GPIO7 / USB Detect 7
 GPIO8 / I2C SDA 8
 GPIO9 / I2C SLC 9
 GPIO10 / Status LED/RX Safe 10
 GPIO20 / from PMS TX 20
 GPIO21 / from PMS RX 21

**IAQ Device Use**

5V 5V
 G GND
 3V3 3V3
 4 from MHZ19 TX / GPIO4
 3 from MHZ19 RX / GPIO3
 2 Stay Awake Switch / GPIO2
 1 Deep Sleep Wake Button / GPIO1
 0 Safe Boot Button GPIO0



```

J:\esp\128x64\_c4
37: Serial.begin(9600);
38: if(SPI.transfer(0x00) == 0x00)
39: {
40:   SPI.transfer(0x01); B11000000;
41:   SPI.transfer(0x01); B11000000;
42:   SPI.transfer(0x01); B11000000;
43:   SPI.transfer(0x01); B11000000;
44:   SPI.transfer(0x01); B11111111;
45:   SPI.transfer(0x01); B11111111;
46:   SPI.transfer(0x01); B11111100;
47:   SPI.transfer(0x01); B00001101;
48:   SPI.transfer(0x01); B00001100;
49:   SPI.transfer(0x01); B00001111;
50:   SPI.transfer(0x01); B00001100;
51:   SPI.transfer(0x01); B00001100;
52:   SPI.transfer(0x01); B00001100;
53:   SPI.transfer(0x01); B00001100;
54: }
55: Serial.setPort();
56: Serial.begin(9600);
57: // _130E_SMIOTCAPVCC = generate display voltage from 3.3V internally
58: // f(display.begin(_130E_SMIOTCAPVCC, 0x00)) { // Address 0x30 for 128x64
59: //   for(Ci); // print(“display allocation failed”);
60: //   for(Cj); // don't proceed, loop forever
61: // }
62: 
63: // Show initial display buffer contents on the screen --
64: // This prints 128x64 pixels with an Adafruit splash screen.
65: display.display();
66: delay(2000); // Pause for 2 seconds
67: 
68: // Clear the buffer
69: display.clearDisplay();
70: 
71: // Draw a single pixel. In white
72: display.drawPixel(0, 0, -130E_WHITE);
73: 
```