

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

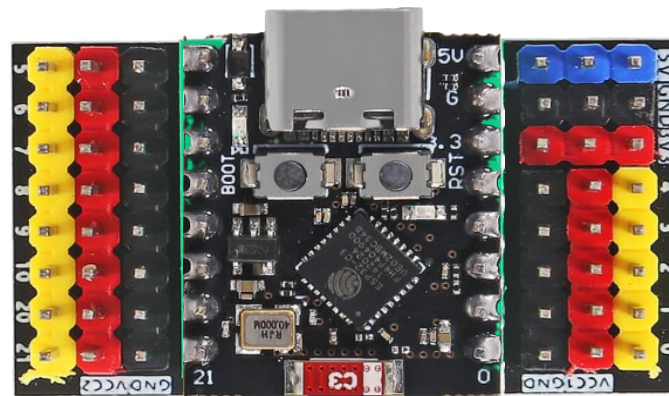
WEMOS D1 MINI ESP32

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 SCL 9
GPIO10 / Status LED/RX Safe 10
GPIO20 / from PMS TX 20
GPIO21 / from PMS RX 21

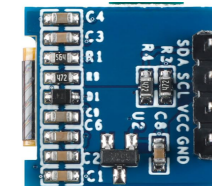
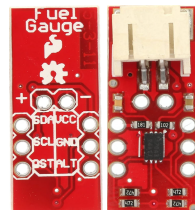
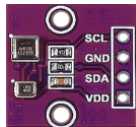


PIN VCC2 G

G VCC1 PIN

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



```

1306,128x64, t5
37 static const unsigned char PROGMEM Logo_Bmp[] =
38 {
39     0x00000000, 0x10000000,
40     0x00000001, 0x10000000,
41     0x00000001, 0x10000000,
42     0x11110011, 0x11110000,
43     0x11111139, 0x11111100,
44     0x01111139, 0x11111111,
45     0x00110011, 0x00011111,
46     0x00011111, 0x11111100,
47     0x00011101, 0x11110000,
48     0x00011011, 0x00010000,
49     0x00011111, 0x11110000,
50     0x01111100, 0x11110000,
51     0x01110000, 0x01110000,
52     0x00000000, 0x00110000 };
53
54
55 void setup() {
56     Serial.begin(9600);
57
58     // _1306_SWITCHCAPVCC = generate display voltage from 3.3v internally
59     tft.begin(&pin, _1306_SWITCHCAPVCC, 0x30); // Address 0x30 for 128x64
60     Serial.println("tft_1306 allocation failed");
61     for(;;); // Don't proceed, loop forever
62 }
63
64 // Show initial display buffer contents on the screen --
65 // the library initializes this with an Adafruit splash screen.
66 display.displayOn();
67 delay(2000); // Pause for 2 seconds
68
69 // Clear the buffer
70 display.clearDisplay();
71
72 // Draw a single pixel in white
73 display.drawPixel(128, 64, WHITE);

```