```
void setup() {
}


void loop() {
}
```

ARDUINO multitasking

```
void setup() {
}


void loop1() {
}

void loop2() {
}

void loop3() {
}

…
```

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ARDUINO multitasking

ARDUINO

FreeRTOS

multitasking

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ARDUINO multitasking

```
void setup() {
    xTaskCreatePinnedToCore(loop1, "loop1", … );
    xTaskCreatePinnedToCore(loop2, "loop2", … );
    xTaskCreatePinnedToCore(loop3, "loop3", … );
}


void loop1() {
}

void loop2() {
}

void loop3() {
}

…
```
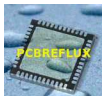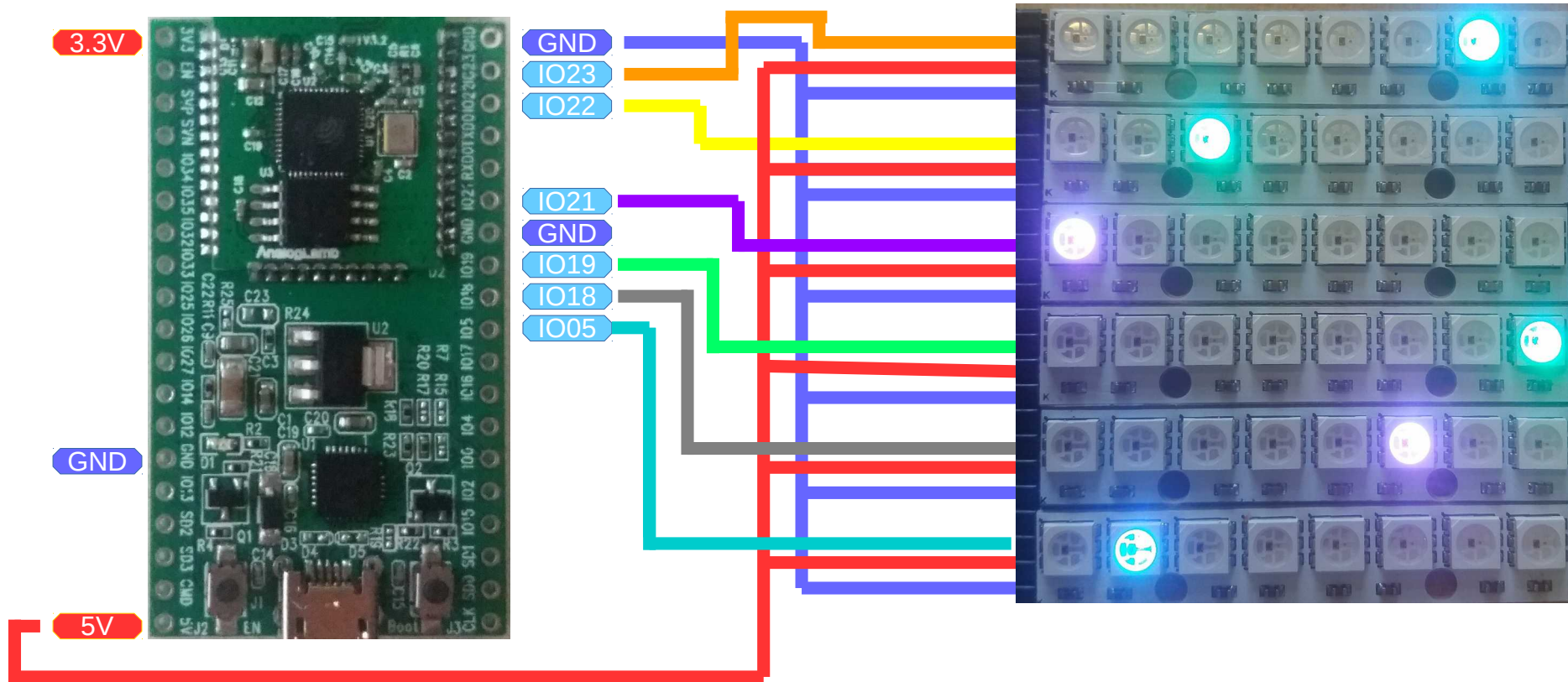
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NeoPixel (WS2812b)

ESP32 Dev. Board

3.3V

GND

IO23

IO22

IO21

GND

IO19

IO18

IO05

GND

5V

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