Prática 02

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Pinagem

Datasheet

- ❑ http://espressif.com/sites/default/files/documentation/esp32_technical_reference_manual_en.pdf

- ❑ https://espressif.com/sites/default/files/documentation/esp-wroom-32_datasheet_en.pdf

- ❑ https://dl.espressif.com/dl/schematics/ESP-WROOM-32-v3.2_sch.pdf

Usando o Touch
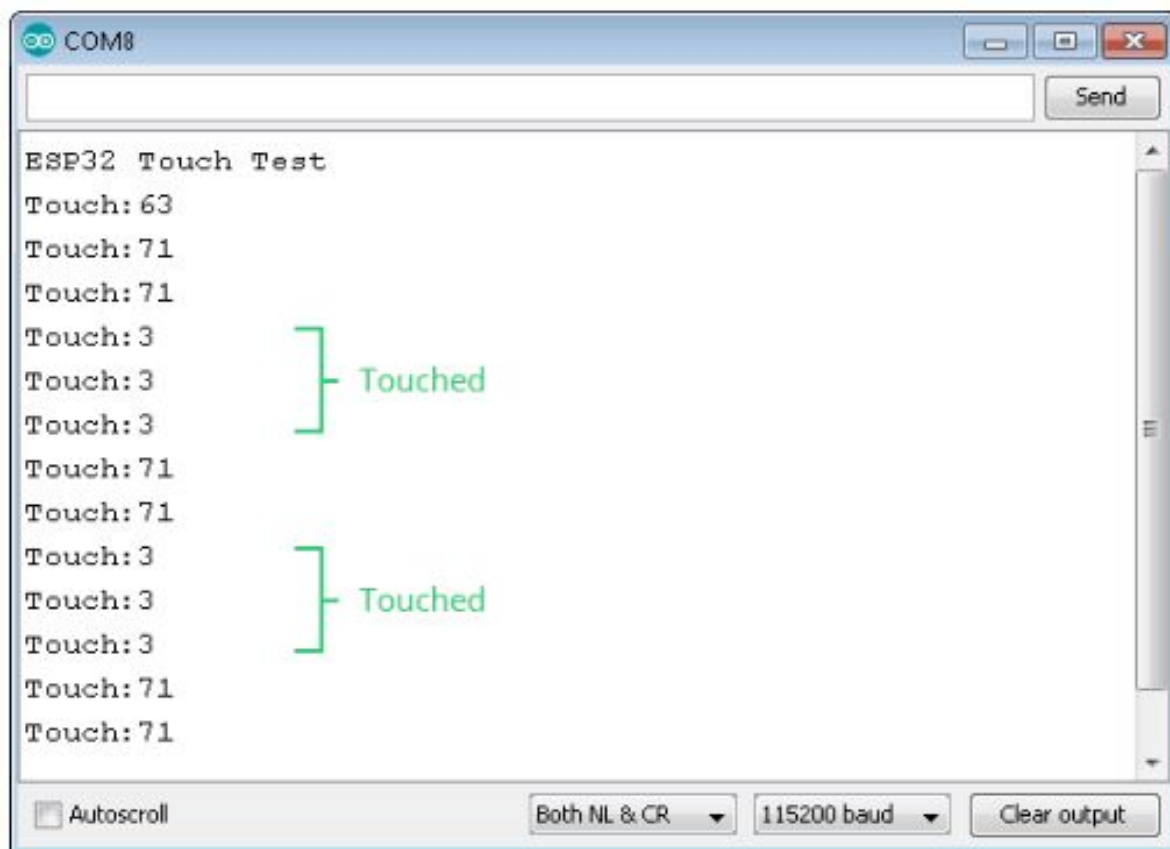
❑ Possui 10 sensores capacitivos internos
  ❑ T0: GPIO 4
  ❑ T1: GPIO 0
  ❑ T2: GPIO 2
  ❑ T3: GPIO 15
  ❑ T4: GPIO 13
  ❑ T5: GPIO 12
  ❑ T6: GPIO 14
  ❑ T7: GPIO 27
  ❑ T8: GPIO 33
  ❑ T9: GPIO 32

❑ Para lê-los, você deve usar a função: ***touchRead (Touch Pin #)***;

Exemplo 01

```
// ESP32 Touch Test
// Just test touch pin - Touch0 is T0 which is on GPIO 4.

void setup() {
  Serial.begin(115200);
  delay(1000); // give me time to bring up serial monitor
  Serial.println("ESP32 Touch Test");
}

void loop() {
  Serial.print("Touch: ");
  Serial.println(touchRead(4));  // get touch value on GPIO 4
  delay(1000);
}
```

COM8

ESP32 Touch Test
Touch:63
Touch:71
Touch:71
Touch:3
Touch:3   ⎫ Touched
Touch:3   ⎬
Touch:3   ⎭
Touch:71
Touch:71
Touch:3
Touch:3   ⎫ Touched
Touch:3   ⎬
Touch:3   ⎭
Touch:71
Touch:71

Autoscroll   Both NL & CR   115200 baud   Clear output