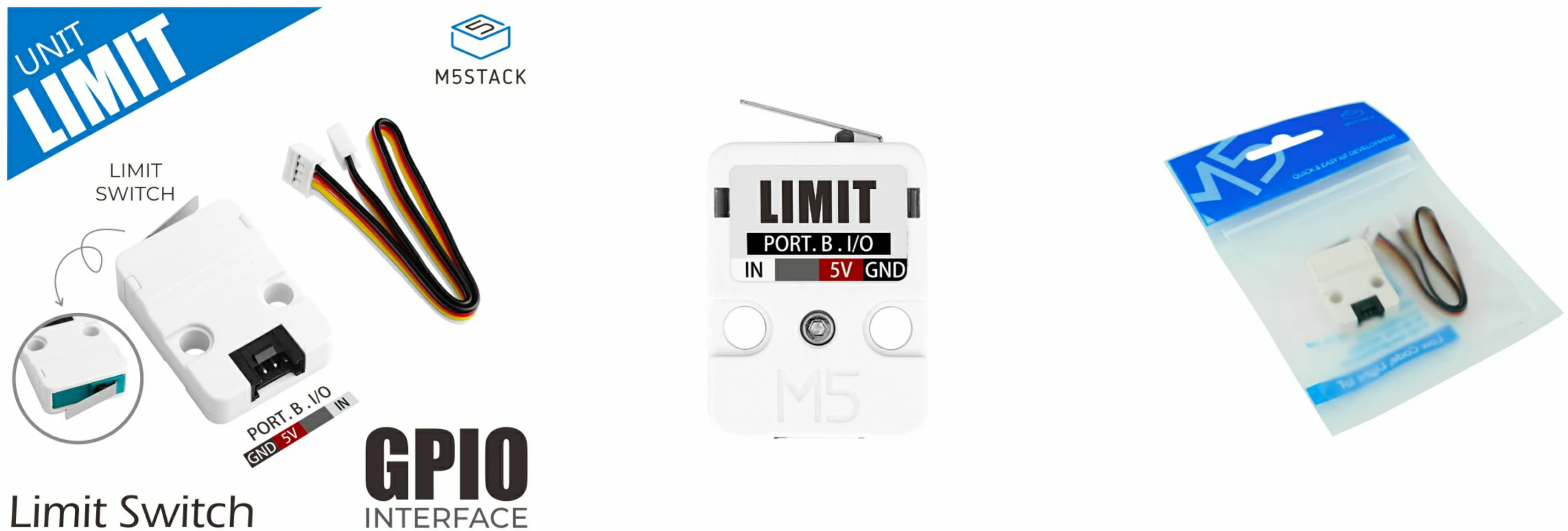


# UNIT Limit

SKU:U145



## Description

**Unit Limit** is a limit switch sensor. When the switch bar is pressed, the digital signal of the Unit would change from 3.3V to 0V, which may generate a limit signal to MCU or other peripherals. Applied for multiple mechanical equipments, to achieve limit protection.

## Product Features

- Contact limit switch
- Long durability, upto 400K times lifetime
- Multiple installation methods

## Includes

- 1x Unit limit
- 1x HY2.0-4P Cable (20cm)

## Application

- Stop switch/Limit switch

# Specification

Spec	Parameter
Switch Bar Length	16mm
Mechanical Lifetime	400K Times
Power Supply	DC 5V
Output Logical Signal	DC 3.3V
Standby Current	DC5V@2mA
Operation Current	DC5V@3mA
Net Weight	6.3g
Gross Weight	11.4g
Product Size	37 * 24 * 9.5mm
Package Size	92 * 135mm



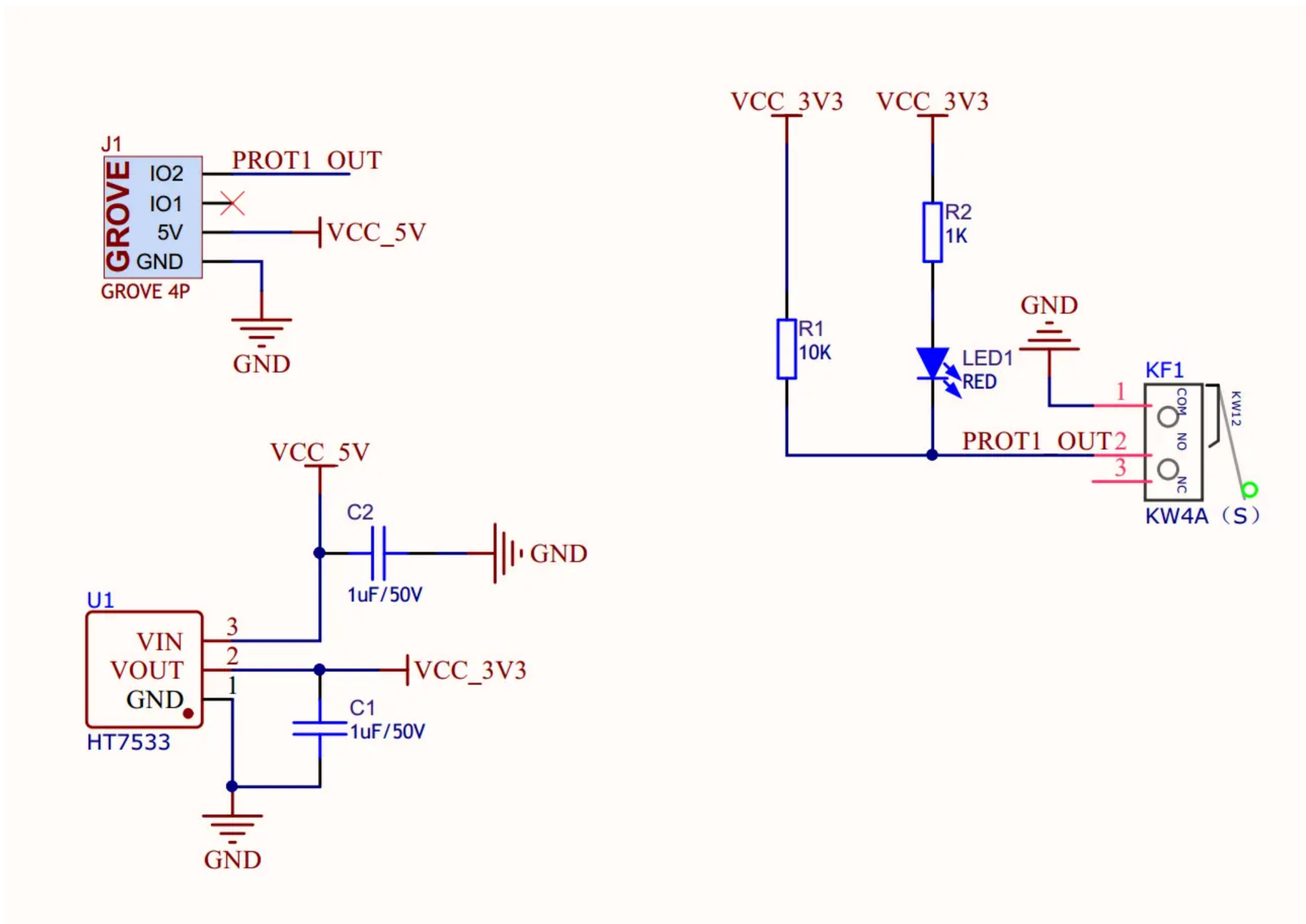


## PinMap

- Unit Limit

M5CORE - PORT B	G36
UNIT Limit	Input

## Schematics



## Example

### Arduino

- [UNIT Limit Example](#)



```

#include <M5Stack.h>

#define KEY_PIN 36

void setup() {
  M5.begin();
  M5.Lcd.setTextSize(4);
  M5.Lcd.print("\n  UNIT-LIMIT\n  Example");

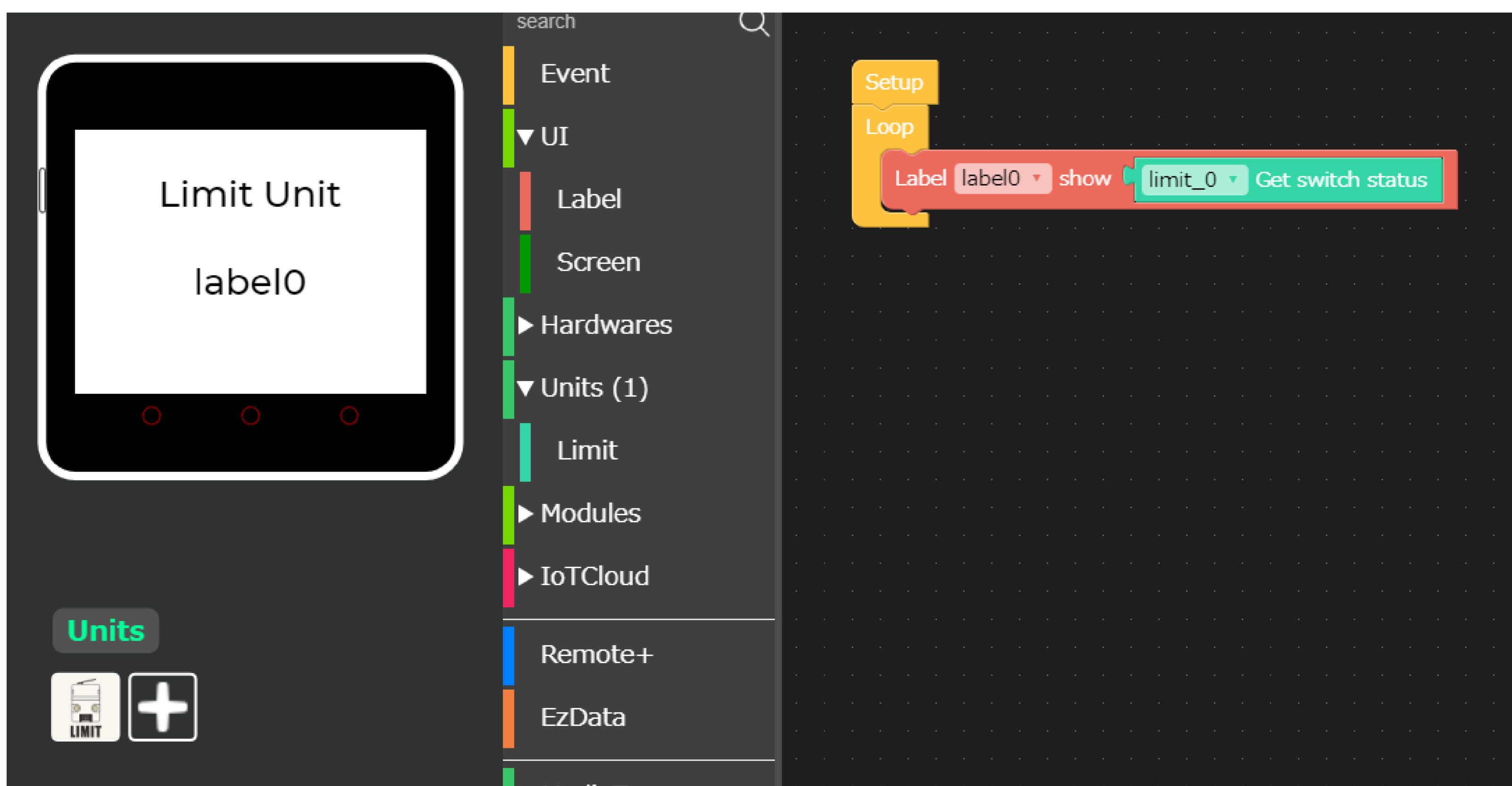
  pinMode(KEY_PIN, INPUT_PULLUP);
}

void loop() {
  if (!digitalRead(KEY_PIN)) {
    M5.Lcd.setCursor(0, 130);
    M5.Lcd.print("  Hit limit!");
  } else {
    M5.Lcd.setCursor(0, 130);
    M5.Lcd.println("                ");
  }
  delay(100);
}

```

## UIFlow

### Example



### Function

- Get switch status.

