

UNIT Key

SKU:U144



Description

Unit Key is a **single mechanical key input** unit with built-in RGB LED. The key shaft adopts **Blue switch** with tactile bump and audible click features. Embedded with one programmable RGB LED - SK6812, supports 256 level brightness. Two digital IOs are available for key status and LED control key status and lighting control. Suitable for multiple HMI applications.

Features

- Blue switch with tactile bump and audible click
- Programmable RGB LED - SK6812

Included

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

Application

- HMI

Specifications

Specification	Parameters
Power Supply	DC 5V
Output Logical Signal	DC 3.3V
Standby Current	DC5V@2mA
Operating current	DC5V@13mA
Net weight	7.6g
Gross weight	13.1g
Product Dimensions	40 * 24 * 22.6mm
Package Size	90 * 135mm

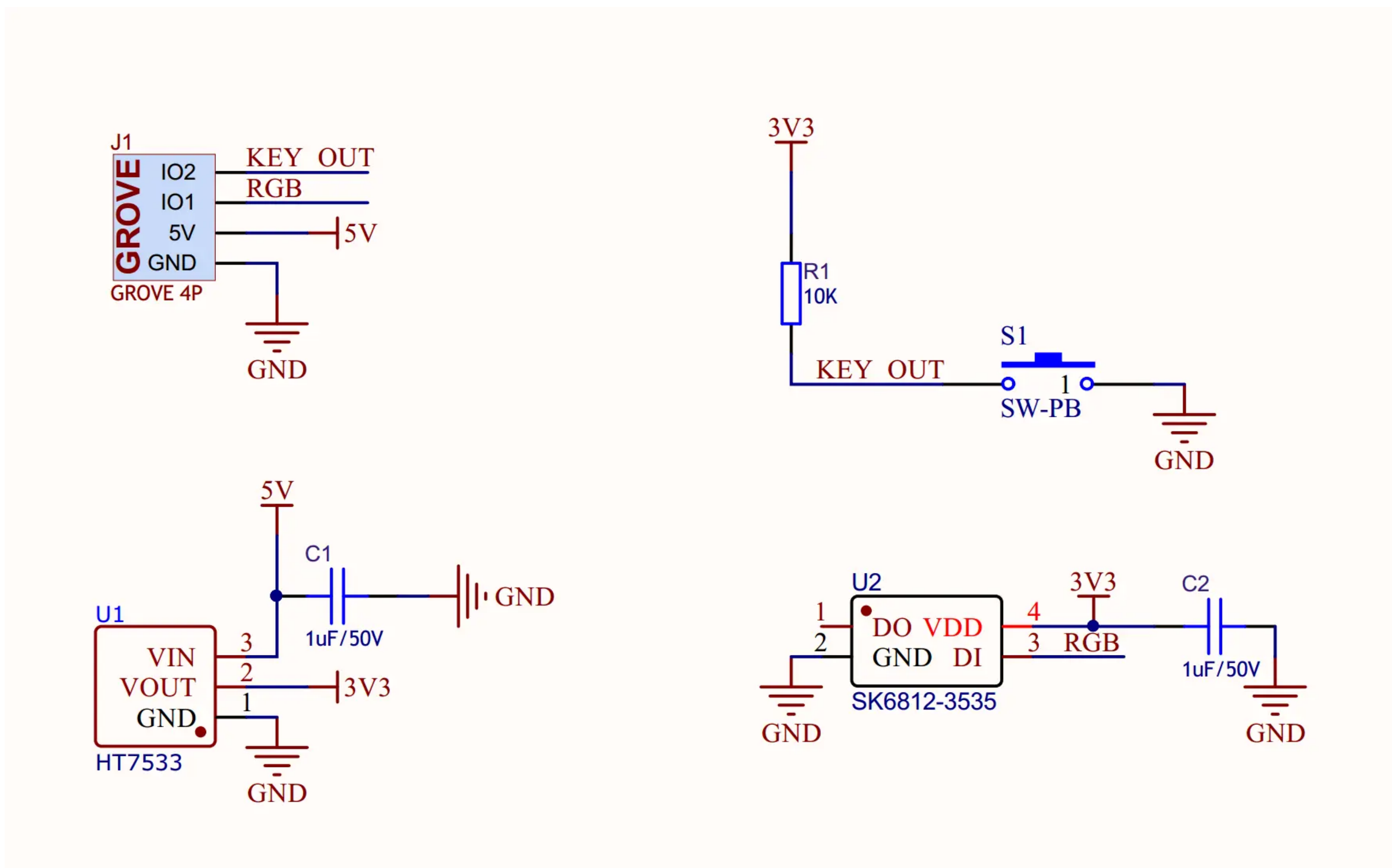


Pinmap

- UNIT Key

M5CORE - PORT B	G36	G26
UNIT Key	Btn Input	RGB LED Control

Schematic



Example

Arduino

- [UNIT Key Example](#)
- [FastLED Library](#)
- [FastLED API Reference](#)

```
#include <FastLED.h>
#include <M5Stack.h>
```

```
uint8_t ledColor = 0;
```



```

uint8_t ledColor = 0;

#define KEY_PIN 36
#define LED_PIN 26

CRGB LED[1];

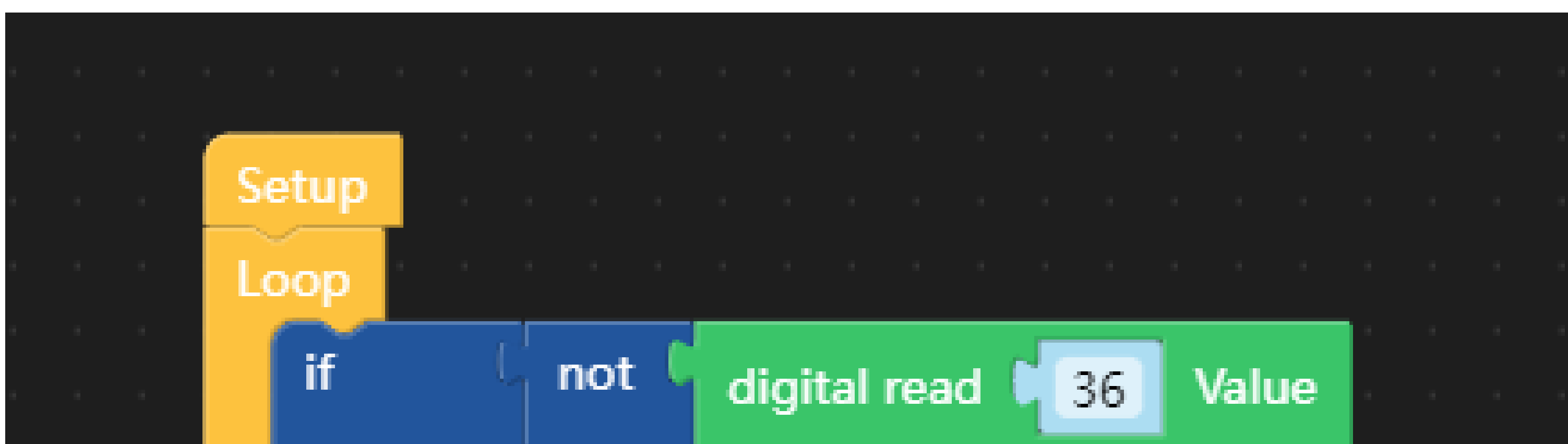
void setup() {
  M5.begin();
  M5.Lcd.setTextSize(3);
  M5.Lcd.print("\n UNIT-KEY Example\n\n Key State:");
  /* Init key pin */
  pinMode(KEY_PIN, INPUT_PULLUP);
  /* Init RGB led */
  FastLED.addLeds<SK6812, LED_PIN, GRB>(LED, 1);
  LED[0] = CRGB::Blue;
  FastLED.setBrightness(0);
}

void loop() {
  /* If Key was pressed */
  if (!digitalRead(KEY_PIN)) {
    M5.Lcd.setCursor(75, 130);
    M5.Lcd.print((" Pressed "));
    FastLED.setBrightness(255);
    FastLED.show();
    /* Hold until the key released */
    while (!digitalRead(KEY_PIN))
      ;
  } else {
    M5.Lcd.setCursor(75, 130);
    M5.Lcd.println(("Released"));
    FastLED.setBrightness(0);
    FastLED.show();
  }
  delay(100);
}

```

UIFlow

- Click here to download the UIFlow example [UIFlow](#)





| FAQ