

keyestudio

Digital Push Button



Introduction

This is a basic button application module. Momentary Pushbutton Switch usually stays open. When it is pressed down, circuit connected; when it is released, it will bounce back to the status of disconnection.

The module has three pins for easy connection. You can simply plug it into an IO shield to have your first try of Arduino.

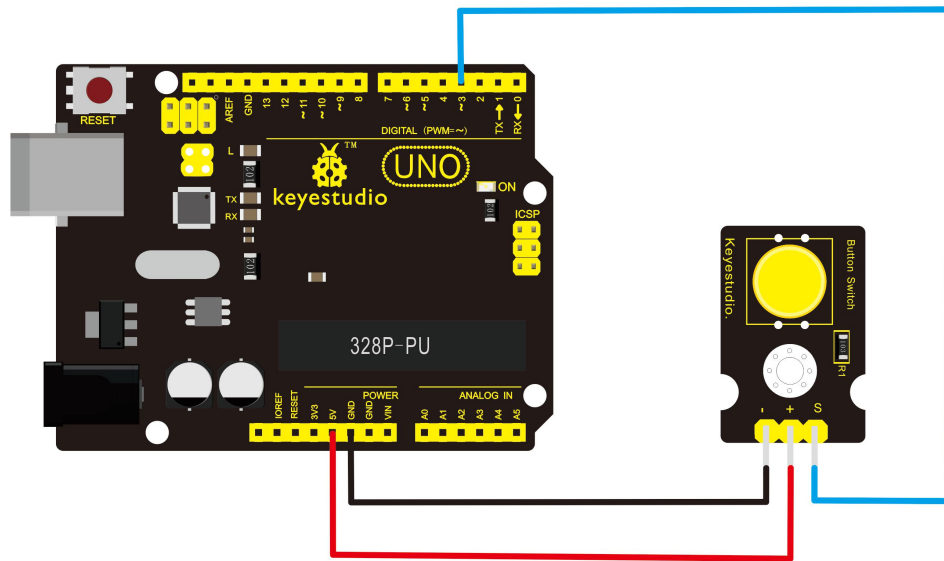
Specification

- Interface: Digital
- Supply Voltage: 3.3V to 5V
- Easy to plug and operate
- Large button keypad and high-quality button cap
- Standard assembling structure
- Easily recognizable pins

keystudio

- Icons illustrate sensor function clearly
- Achieve interactive works

Connection Diagram



Sample Code

```
*****  
/* # When you push the digital button, the Led 13 on the board will turn  
on. Otherwise,the led turns off.  
*/  
  
int ledPin = 13;           // choose the pin for the LED  
int inputPin = 3;         // Connect sensor to input pin 3  
  
void setup() {  
  
    pinMode(ledPin, OUTPUT);    // declare LED as output  
    pinMode(inputPin, INPUT);   // declare pushbutton as input
```

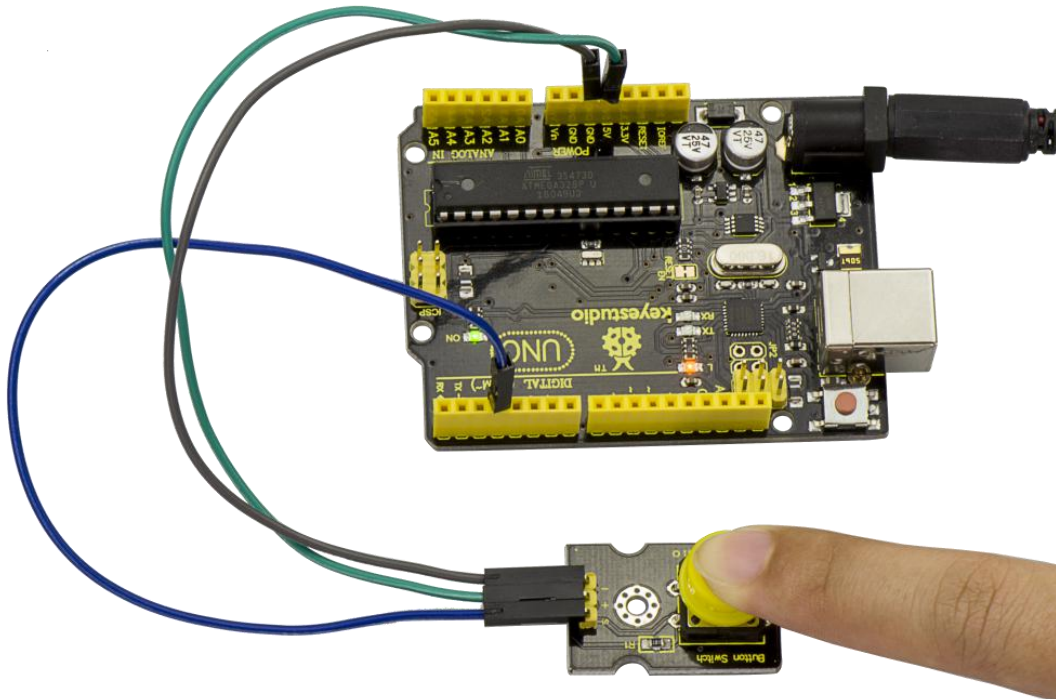
keystudio

```
}  
  
void loop(){  
  
    int val = digitalRead(inputPin); // read input value  
  
    if (val == HIGH) { // check if the input is HIGH  
  
        digitalWrite(ledPin, LOW); // turn LED OFF  
  
    } else {  
  
        digitalWrite(ledPin, HIGH); // turn LED ON  
  
    }  
  
}  
  
*****
```

Experiment Result:

Done uploading the code, powered up, when you push the digital button, the Led 13 on UNO board will be on. When release the button, the led is off. Shown as below.

keyestudio



Extension:

To obviously observe the LED state, you may connect an LED module. Try to program it by yourself. Press the button to control the LED on and off.

keyestudio

