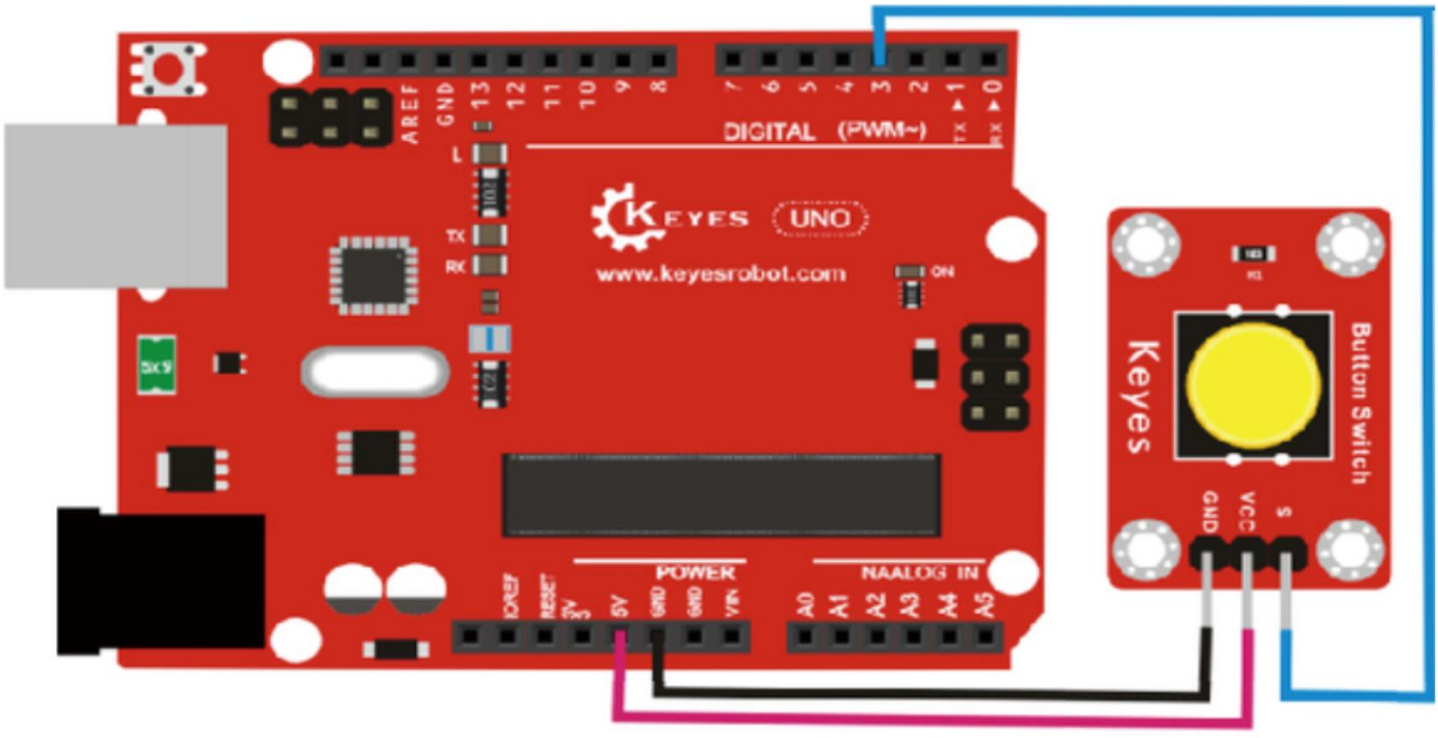
KE0046 KEYES big button module

Parameters:

Working Voltage: 3.3 ~ 5VDC
Colour: Red
Size: 35x22x16mm.

PINOUT Instruction:



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
}
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
  }
}
```

Result:

When you push the digital button, the Led 13 on UNO board will light on. When release the button, the led is off.
But this is senseless do don't need a microcontroller to do this

```
int switchPin = 8;
int ledPin = 13;
boolean lastButton = LOW;
boolean ledOn = false;

void setup()
{
  pinMode(switchPin, INPUT);
    pinMode(ledPin, OUTPUT);
}

  void loop()
{
  if (digitalRead(switchPin) == HIGH && lastButton == LOW)
  {
    ledOn = !ledOn;
    lastButton = HIGH;
  }
  else
  {
    //lastButton = LOW;
    lastButton = digitalRead(switchPin);
  }

    digitalWrite(ledPin, ledOn);
```

Result:

Now we have to push button toggle switch.
Note this code is not stable and needs a Debounce circuit or can also be written into the software with a delay function.