



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## DFRobot Digital Push Button SKU:DFR0029

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### Introduction

This is a big button which gives the first touch of the physical world. Simply plug to IO expansion board to finish your first taste of Arduino.

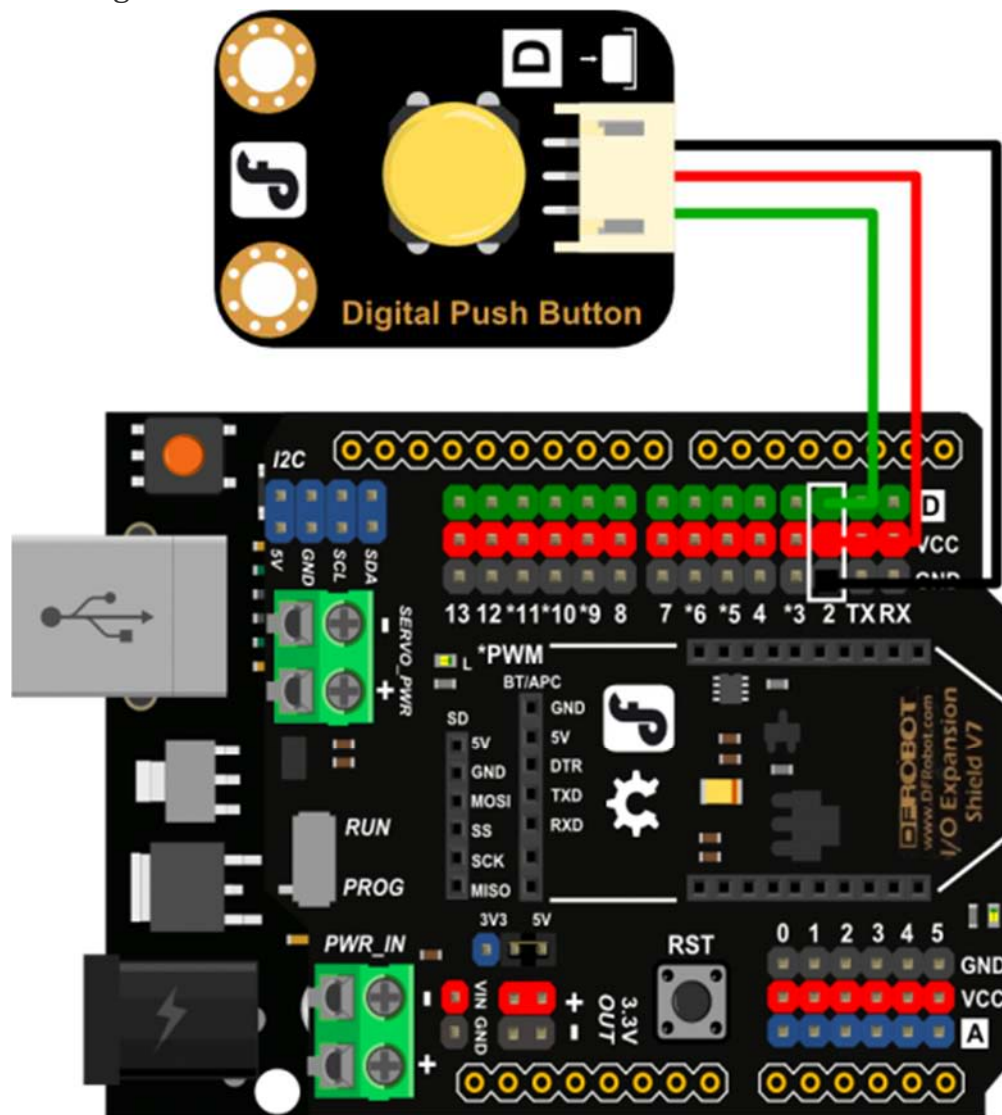
### Improvement List

- Wide voltage range from 3.3V to 5V
- Standard assembling structure (two 3mm diameter holes with multiple of 5mm as distance from center)
- Easily recognitive interfaces of sensors ("A" for analog and "D" for digital)
- Icons to simply illustrate sensor function
- High quality connector
- Immersion gold surface

## Specification

- Supply Voltage: 3.3V to 5V
- Indicator LED on board
- Easy to 'plug and play'
- Large button keypad and high-quality first-class hat
- Able to achieve very interesting and an interactive work
- Interface: Digital
- Size:22x30mm

## Connection Diagram



connection diagram



## Sample Code

```
/*
  # Description:
  # When you push the digital button, the Led 13 on the board will turn on. O
  therwise,the led turns off.
*/

int ledPin = 13;           // choose the pin for the LED
int inputPin = 2;          // 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
  }
}
```