DFRobot Digital Push Button SKU:DFR0029

Contents

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.

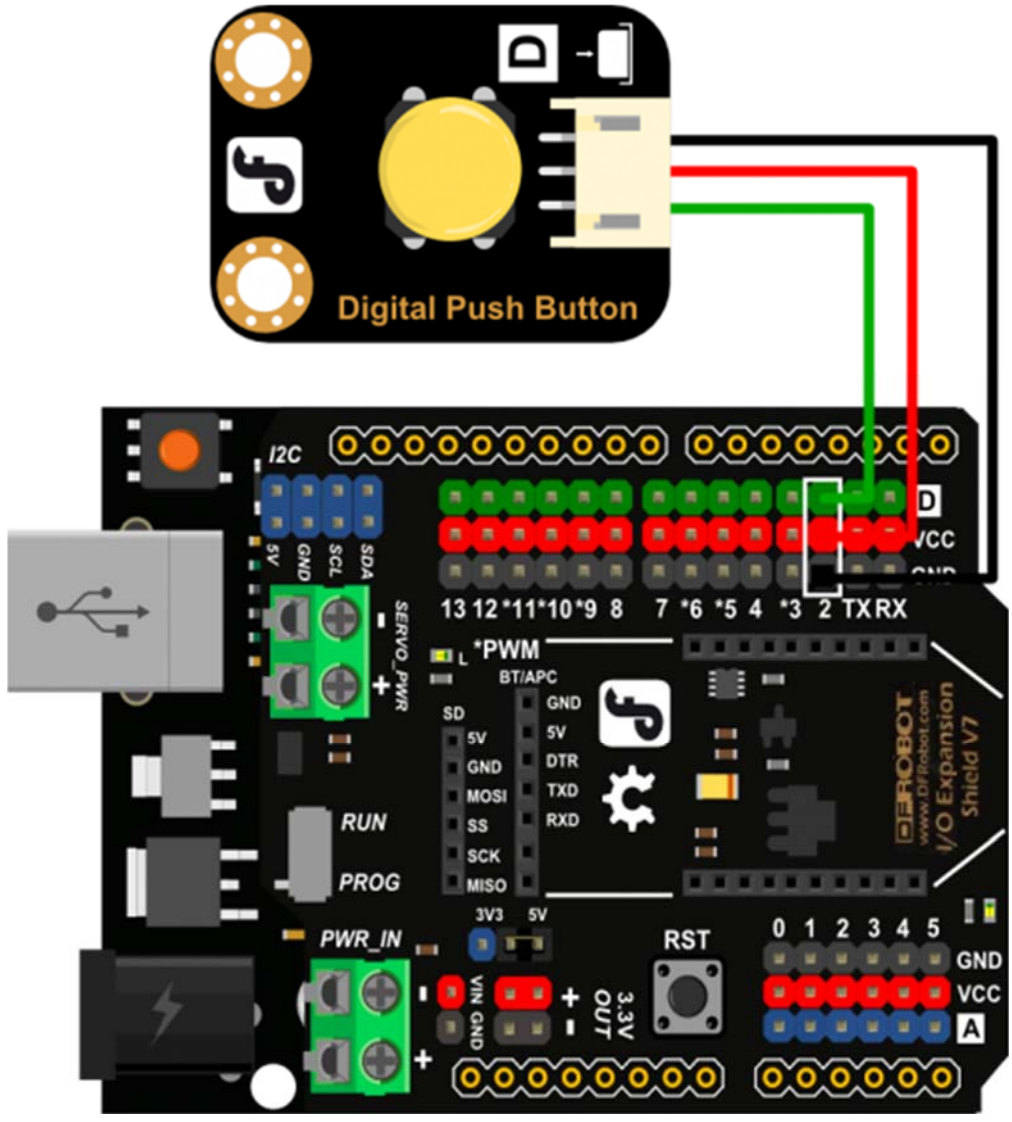
Improvement List

- 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 simplely 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
  }
}
```