



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!



Contact us

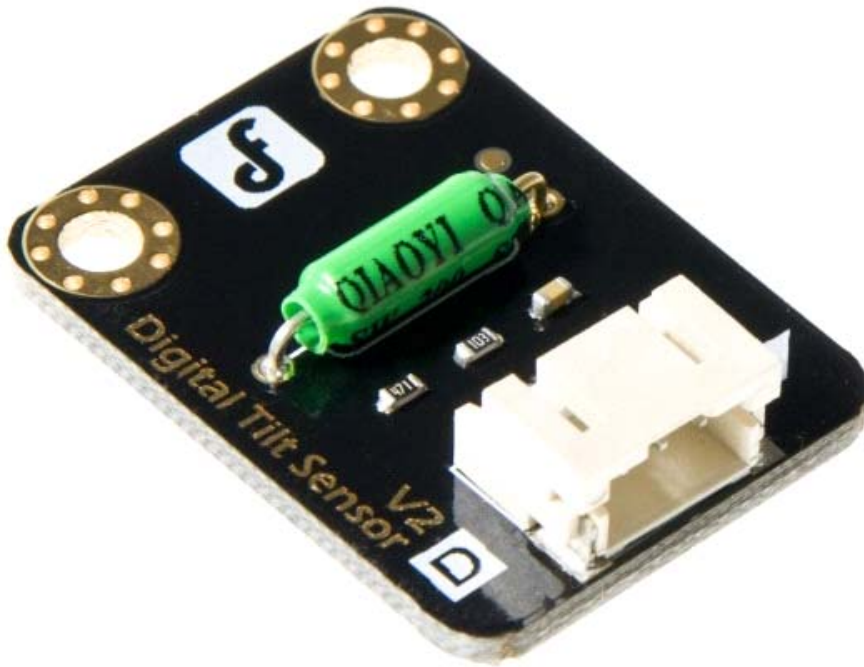
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Digital Tilt Sensor SKU:DFR0028



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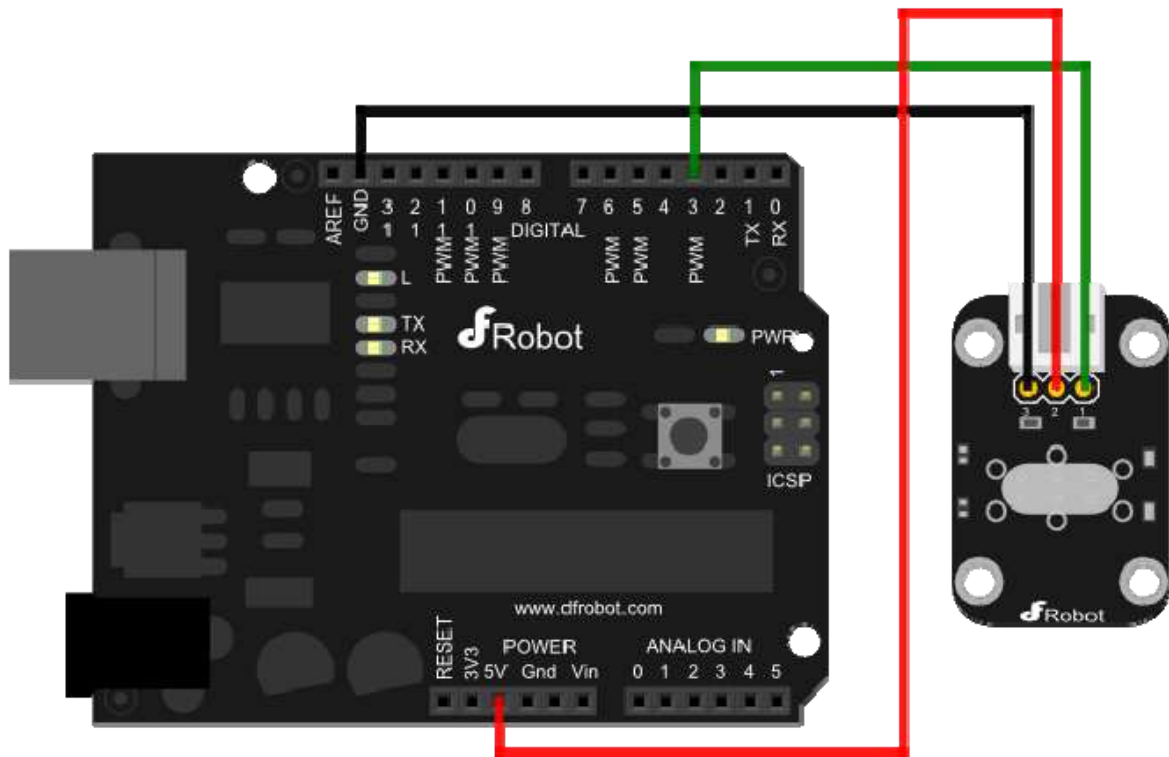
Introduction

The DFRobot Tilt Sensor is a digital tilt **switch**. It could be used as a simple tilt sensor. Simple plug to our IO/Sensor Expansion board, you can make amazing interactive projects. The dedicated sensor expansion boards with the Arduino, in combination, can achieve very interesting and an interactive work.

Specification

- Supply Voltage: 3.3V to 5V
- Interface: Digital
- Size: 22x30mm

Connection Diagram



Sample Code

```
int ledPin = 13;           // Connect LED to pin 13
int switcher = 3;         // Connect Tilt sensor to Pin3

void setup() {
  pinMode(ledPin, OUTPUT); // Set digital pin 13 to output mode
  pinMode(switcher, INPUT); // Set digital pin 3 to input mode
}

void loop() {
  if (digitalRead(switcher) == HIGH) //Read sensor value
    digitalWrite(ledPin, HIGH); // Turn on LED when the sensor is tilted
  else
    digitalWrite(ledPin, LOW); // Turn off LED when the sensor is not triggered
}
}
```