Keyestudio capacitive touch sensor module

Module: MD0141 / 180692

Introduction:

Are you tired of clicking mechanic button? Well, try our capacitive touch sensor. You can find touch sensors mostly used on electronic device. So upgrade your Arduino project with our new version touch sensor and make it cool!! This little sensor can "feel" people and metal touch and feedback a high/low voltage level. Even isolated by some cloth and paper, it can still feel the touch. Its sensitivity decreases as isolation layer gets thicker.

Connection Diagram:

Specification:

1. Working voltage: 3.3~5V (DC)
2. Interface: 3PIN interface
3. Output signal: digital signal
4. PCB size: 23x15mm
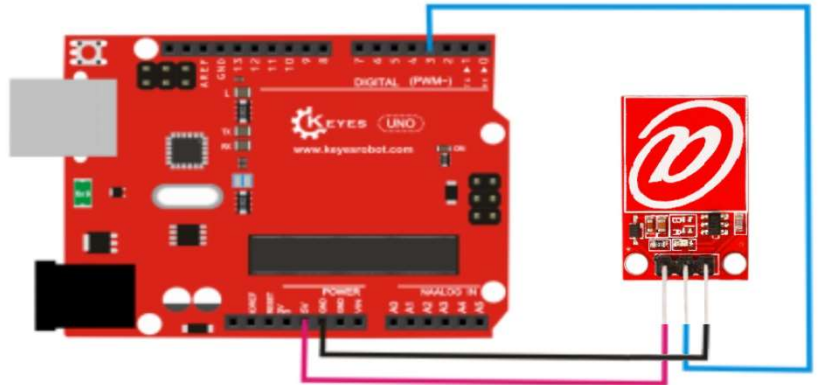
Test code:

```
int ledPin = 13;           // Connect LED on pin 13, or use the onboard one
int KEY = 2;              // Connect Touch sensor on Digital Pin 2

void setup(){
  pinMode(ledPin, OUTPUT);      // Set ledPin to output mode
  pinMode(KEY, INPUT);        //Set touch sensor pin to input mode
}

void loop(){
  if(digitalRead(KEY)==HIGH) {     //Read Touch sensor signal
      digitalWrite(ledPin, HIGH);   // if Touch sensor is HIGH, then turn on
   }
   else{
      digitalWrite(ledPin, LOW);    // if Touch sensor is LOW, then turn off the led
   }
}

   }
```

Test Results:

Connect the wires according to the above figure and upload the code; after power on, then touch the sensor with your finger, both D2 led on the sensor and D13 indicator on UNO board are on. Otherwise, those two indicators are turned off.

Alternative Part:

KS0031