

Title:

Touch Sensor

Sensor/Indicator/Actuator:

Sensor

Features:

Detects Touches on Either Side of the Module

Connection:

Digital

Summary:

This sensor works much like a touchscreen. If you press your finger within the circle it will send a HIGH signal. Actually you can use other objects to trigger it. Like a hotdog. This property of sensing touch works on capacitance. Your body holds an electrical charge. You might have experienced this in the form of static electricity shocks. The touch sensor can measure your electrical field. By bringing your body close enough to the sensor, you trigger the HIGH signal output.

Example Code

```
#define TOUCH_SOCKET 9
#define LED_SOCKET 6

void setup() {
    pinMode(TOUCH_SOCKET, INPUT);
    pinMode(LED_SOCKET, OUTPUT);
}

void loop() {
    int sensorValue = digitalRead(TOUCH_SOCKET);
    if(sensorValue==1)
    {
        digitalWrite(LED_SOCKET,HIGH);
    }
    else
```

```
    {  
        digitalWrite(LED_SOCKET,LOW);  
    }  
}
```