

LM35 Temperature Sensor(SE039)



1. Introduction

This module is temperature sensor with chip LM35, It's different from NTC-MF523950 temperature sensor(ST1147) or DS18B20 temperature sensor(SE029/SE042).

The Module's feature as below:

Feature	Value
Chip	LM35
Temperature Range	-55°C~+150°C
Accuracy	+/- 0.5°C
Voltage	5V DC

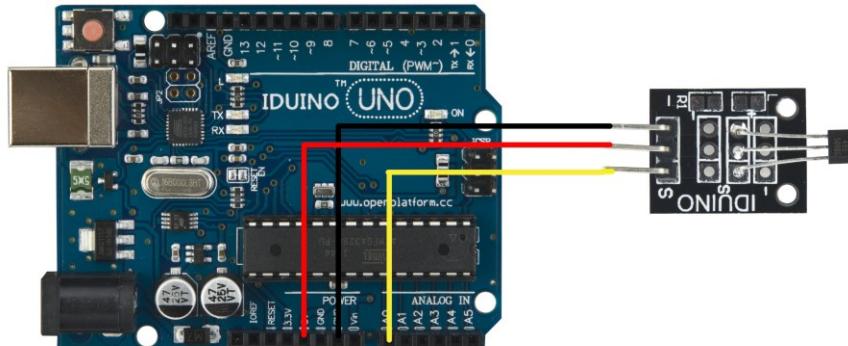
2. Pinout

Pin	Description
S	Signal pin
+(middle pin)	Power(reference voltage:5V DC)
-	Ground

3 Example

This is a simple code for the LM35 temperature module, Connection as below:

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Example code :

```
*****Code begin*****
float temp = 0;

void setup() {
Serial.begin(115200);
Serial.println(F("reading temperature begin. \n"));
}

void loop() {

static unsigned long sensortStamp = 0;

if(millis() - sensortStamp > 100){
sensortStamp = millis();

int reading = analogRead(0);
temp = reading *0.0048828125*100;
Serial.print(F("Real Time Temp: "));
Serial.println(temp);
}

*****Code End*****
```