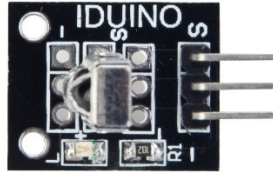# IR Receiver Module(ST1089)

1．Introduction

This module usually used together with the IR transmit Module(Item:ST1087), This module can read infrared light value and print in the Serial Monitor session.

Specification

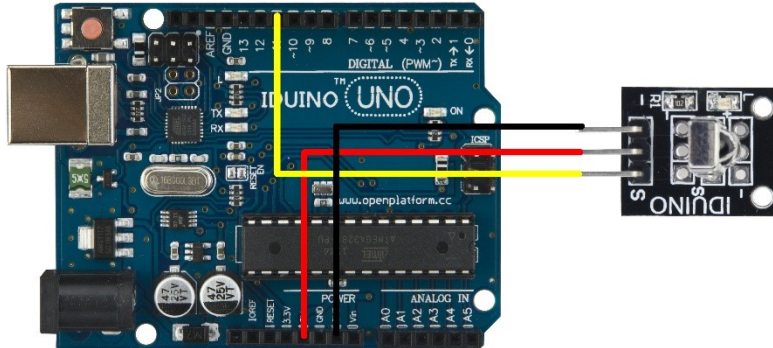- Operation voltage: 5V
- 3Pin
- Size:25*12mm
- Weight: 2g

2 Pinout

Pin	Description
S	Digital signal input pin, used to read the value of infrared light.
+(middle pin)	Power
-	Ground

3.Example

In this example, you need an Infrared transmit device, like Item ST1087, or mini remote controller, directly point the remoter to this module, which can read the hexadecimal value of the infrared light and print on the window.
The connection as below:

Example code :

******Code begin******
```
# Include <IRremote.h>
int RECV_PIN = 11; // define input pin on Arduino
IRrecv irrecv (RECV_PIN);
decode_results results;
void setup ()
{
Serial.begin (9600);
irrecv.enableIRIn (); // Start the receiver
}
void loop () {
if (irrecv.decode (& results)) {
Serial.println (results.value, HEX);
irrecv.resume (); // Receive the next value
}
}
```
******Code End******