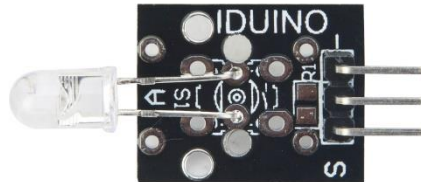


IR Transmitter Module(ST1087)



1. Introduction

This module usually used together with the IR Receiver Module(Module35), this module's application are very wide in our common life. This module just like a LED, but the color of light can't be seen by human' eye, you can see the light through your camera of your phone.

Specification

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

2 Pinout

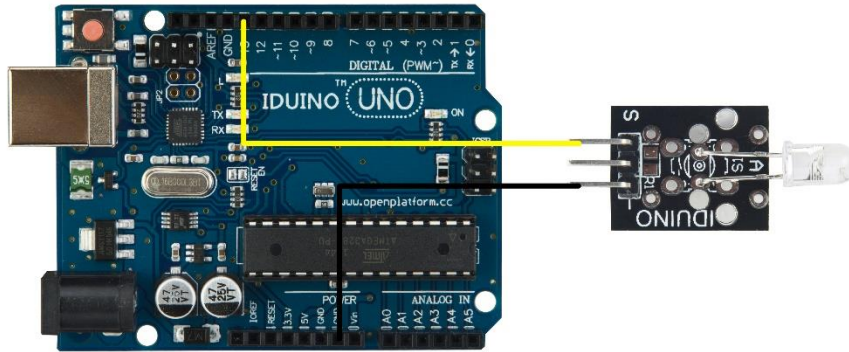
Pin	Description
S	Digital signal input pin, if this pin detect a HIGH signal, this module transmit infrared light
+(middle pin)	Power
-	Ground

3.example

In this example, we use the basic sketch in the Arduino IDE, blinking this Infrared LED. You can't see the light through your light by your eye, but you can catch the infrared light by a infrared receive device, like module 35, or just a camera.

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The connection as below:



Example code :

*****Code begin*****

```
void setup() {  
  // initialize digital pin 13 as an output.  
  pinMode(13, OUTPUT);  
}
```

// the loop function runs over and over again forever

```
void loop() {  
  digitalWrite(13, HIGH); // turn the LED on (HIGH is the voltage level)  
  delay(1000);           // wait for a second  
  digitalWrite(13, LOW); // turn the LED off by making the voltage LOW  
  delay(1000);           // wait for a second  
}
```

*****Code End*****