Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Digital piranha LED light module - Green (SKU: DFR0031-G)
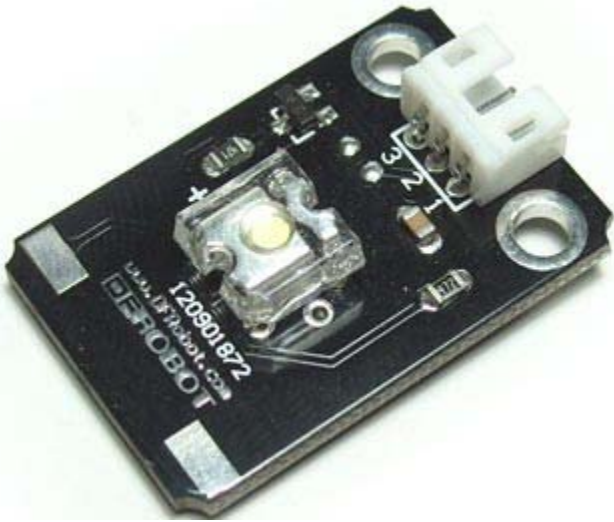
Digital piranha LED light module (SKU: DFR0031)

Piranha LED light module, and special sensors Arduino board and ambient light sensor extension combination, can be used in the interaction with the light works.

When the LED light module connected to Arduino, the digital pin (LOW on, HIGH off) is used to control it. The brightness of LED can be controller via PWM output.
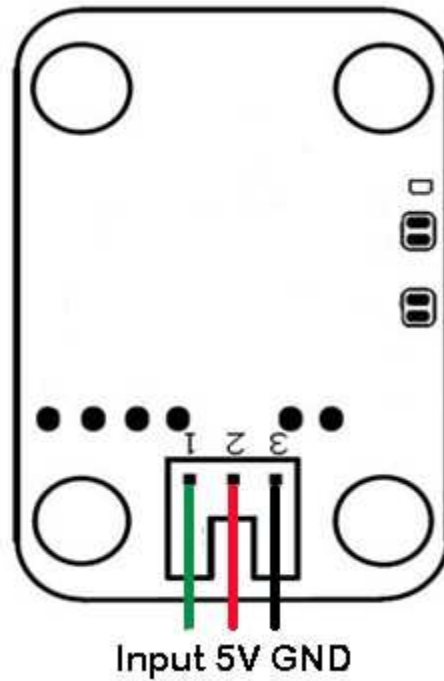
Specifications

- Voltage: 3.3~5v
- Light color: Green
- High luminous output
- Luminous Intensity ： 2500-3300mcd
- Wavelength: 520-530nm
- Compatible with IO Expansion shield
- Viewing angle: 80-110°
- Size: 30x20mm(1.18"x0.79")
- Weight: 5g
- Pin Definition
    - Digital control pin (PWM)
    - Power Supply
    - GND

Pin Definition

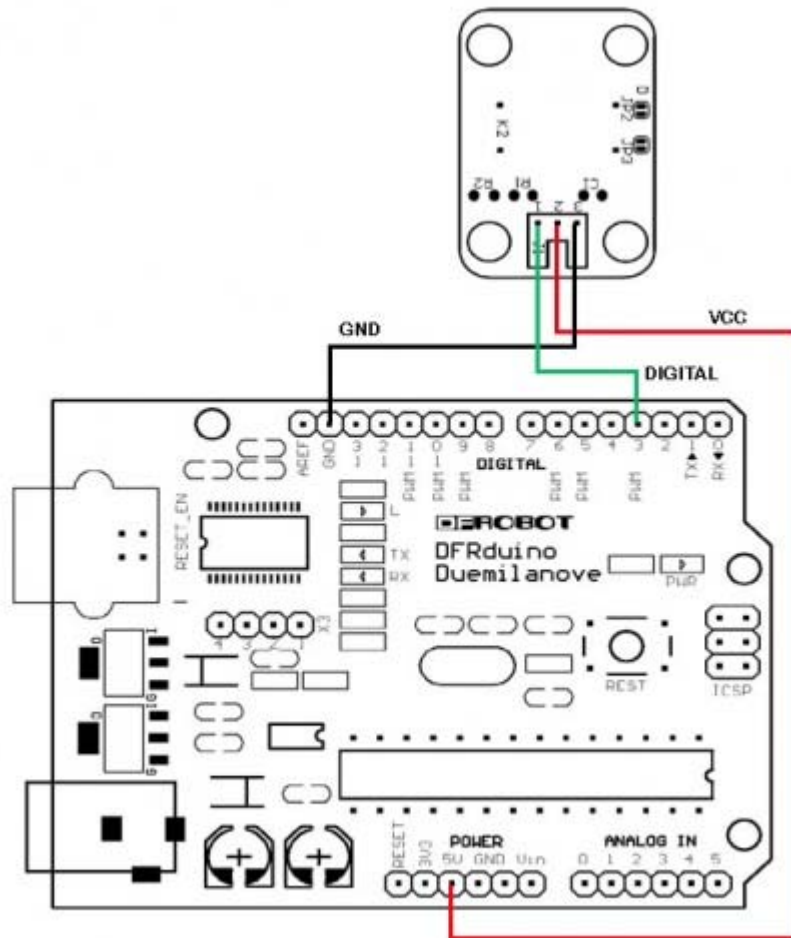LED module pin definition :

1. Input
2. Power
3. GND

digital input module

APPLICATIONS

- DIY Projects
- Toys
- Games
- Audio indicator

Connection Diagram

Digital module connection diagram

Sample Code

```
///Arduino Sample Code for DFR0021

///www.DFRobot.com

///Last modified on 16th September 2010


int led = 3;


void setup()

{

  pinMode(led, OUTPUT);      //Set Pin3 as output
```

```
}
void loop()
{
        digitalWrite(led, HIGH);   //Turn off led
        delay(2000);
        digitalWrite(led, LOW);    //Turn on led
        delay(2000);
}
```