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RGB LED module

Introduction

This is a full-color LED module, which contains 3 basic colors－red, green and blue. They can be seen as separate LED lights. After program, we can turn them on and off by sequence. We can also use PWM analog output to mix the three colors to generate different colors.

Specification

Color: red, green and blue
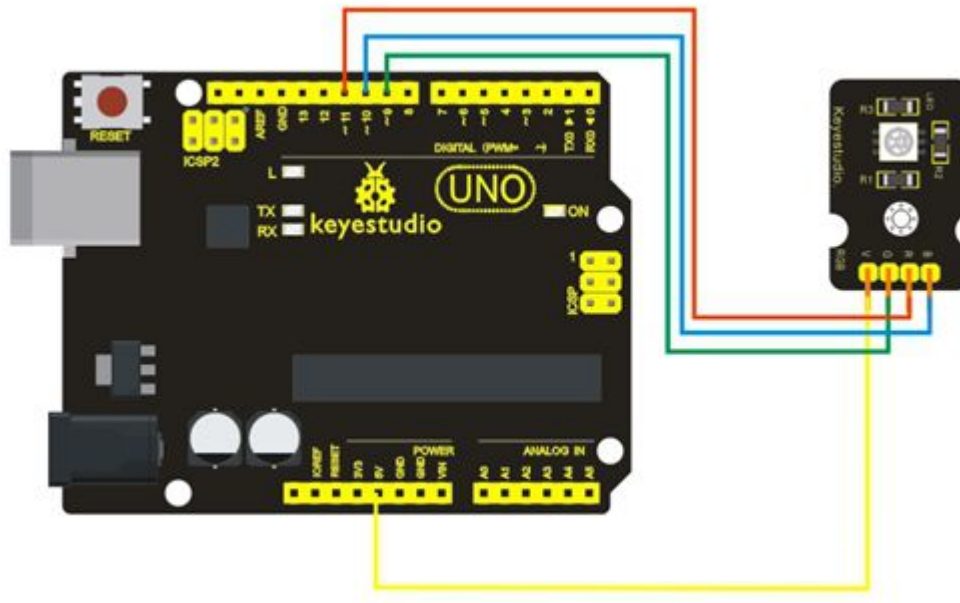Brightness: High
Voltage: 5V
Input: digital level
Size: 30 * 20mm
Weight: 3g

Connection diagram

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Sample code

```
int redpin = 11; //select the pin for the red LED
int bluepin =10; // select the pin for the blue LED
int greenpin =9;// select the pin for the green LED
int val;
void setup() {
  pinMode(redpin, OUTPUT);
  pinMode(bluepin, OUTPUT);
  pinMode(greenpin, OUTPUT);
  }
void loop()
{for(val=255; val>0; val--)
  {analogWrite(11, val);
   analogWrite(10, 255-val);
   analogWrite(9, 128-val);
   delay(1);
  }
for(val=0; val<255; val++)
  {analogWrite(11, val);
   analogWrite(10, 255-val);
   analogWrite(9, 128-val);
   delay(1);
  }
}
```