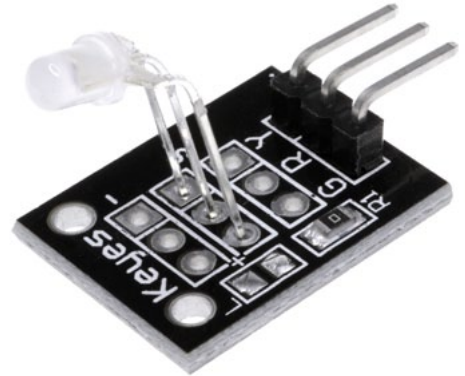


ARD 2 **Arduino Compatibles**
Controllers, Shields, Modules & Sensors

3mm Red & Green LED Module ARD2-2211

- **3mm Red & Green LED (Common Cathode)**
- **Ideal for indicating changes of state**

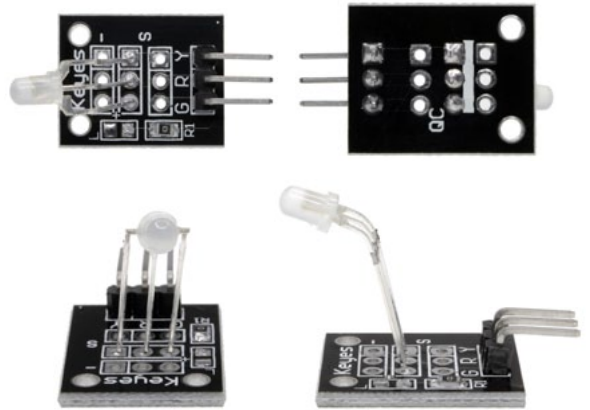


Description

This module features a 3mm red/green LED with common cathode. It's perfect for indicating changes of state in your project.

Specifications

Operating Voltage	2.0V – 2.5V
Colour (LED)	Red & Green
Diameter	3mm
Current	10mA
Viewing Angle	150°
Wavelength	571nm & 644nm
Luminous Intensity	20–40MCD; 40–80MCD
Stent Type	Long-legged
Colour (Board)	Black
Material	PCB



Pinout

Module	Arduino	Function
G	D10	Green LED
R	D11	Red LED
Y	GND	Ground Connection

Test Code

```
int redpin = 11; // select the pin for the red LED
int greenpin = 10; // select the pin for the green LED
int val;
void setup () {
  pinMode (redpin, OUTPUT);
  pinMode (greenpin, OUTPUT);
  Serial.begin (9600);
}
void loop ()
{
  for (val = 255; val > 0; val --)
  {
    analogWrite (11, val);
    analogWrite (10, 255-val);
    delay (15);
  }
  for (val = 0; val < 255; val + +)
  {
    analogWrite (11, val);
    analogWrite (10, 255-val);
    delay (15);
  }
  Serial.println (val, DEC);
}
```