

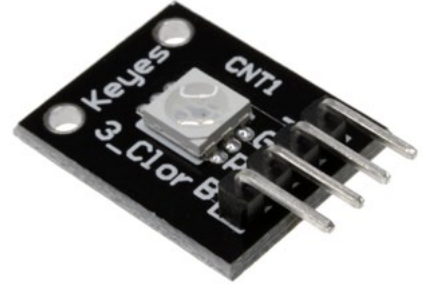
ARD 2 Arduino Compatibles

Controllers, Shields, Modules & Sensors

SMD RGB LED Module

ARD2-2209

- Full colour LED display
- RGB trichromatic limiting resistor to prevent burnout



Description

This SMD RGB LED module consists of a full-colour LED made by a RGB three pin PWM voltage input that can be adjusted. The strength of the red, green and blue light can be controlled independently to achieve full colour output. Features an RGB trichromatic limiting resistor to prevent burnout.

Specifications

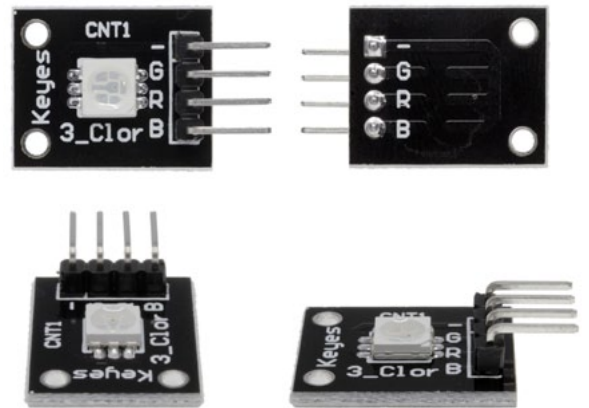
Operating Voltage	3.3–5.0VDC
Colour	Black
Material	PCB
Dimensions	25mm x 15mm x 2mm (LxWxH)

Pinout

Module	Arduino	Function
-	Ground	Ground Connection
G	D9	Green LED
R	D11	Red LED
B	D10	Blue LED

Test 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);
  Serial.begin (9600);
}
void loop ()
{
  for (val = 255; val > 0; val --)
  {
    analogWrite (11, val);
    analogWrite (10, 255-val);
    analogWrite (9, 128-val);
    delay (1);
  }
}
```



Test Code (cont.)

```
for (val = 0; val <255; val ++)  
{  
  analogWrite (11, val);  
  analogWrite (10, 255-val);  
  analogWrite (9, 128-val);  
  delay (1);  
}  
Serial.println (val, DEC);  
}
```