Introduction of RGB Light Module

1. Working principle

The RGB light is designed according to the principle of color illuminating, which is the effect of mixing red, green and blue lights. The brightness of each of the red, green and blue lights is adjustable, and when three color are adjusted to the brightest, it is white.
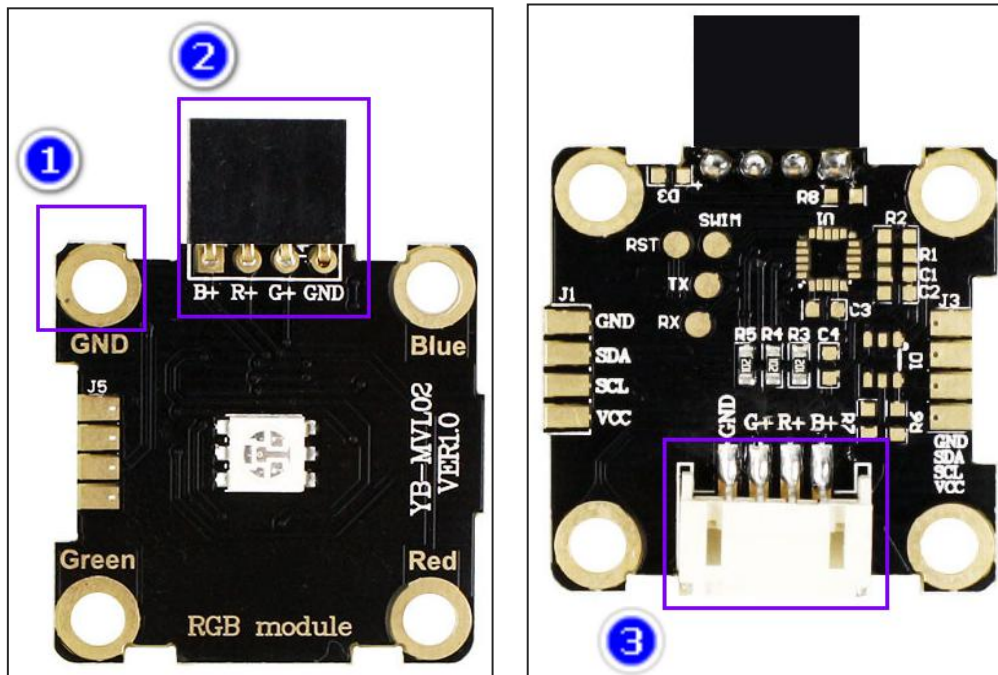
Each color of red, green, and blue is divided into 256-order brightness. When we set brightness to 0, the "light" is turn off. When we set brightness to 255, the "light" is the brightest. We can mix different colors(256*256*256) by controlling the brightness of the three LEDs.

2. Practical application

2.1 Marquee: Make a dynamic effect of the marquee.

2.3 Traffic light: switch the color.

3.About module

3.1 RGB light module possess 4 Alligator clip port, Corresponding to red, green, blue and GND, the input voltage is 0-3.3V.

3.2 4 pin female socket are reserved, which can be used after welding.

3.3 PH2.0 cable interface.

RGB lights for displaying colors.

Working Voltage: 3.3V/5V