

Introduction of Color recognition module

1. Working principle

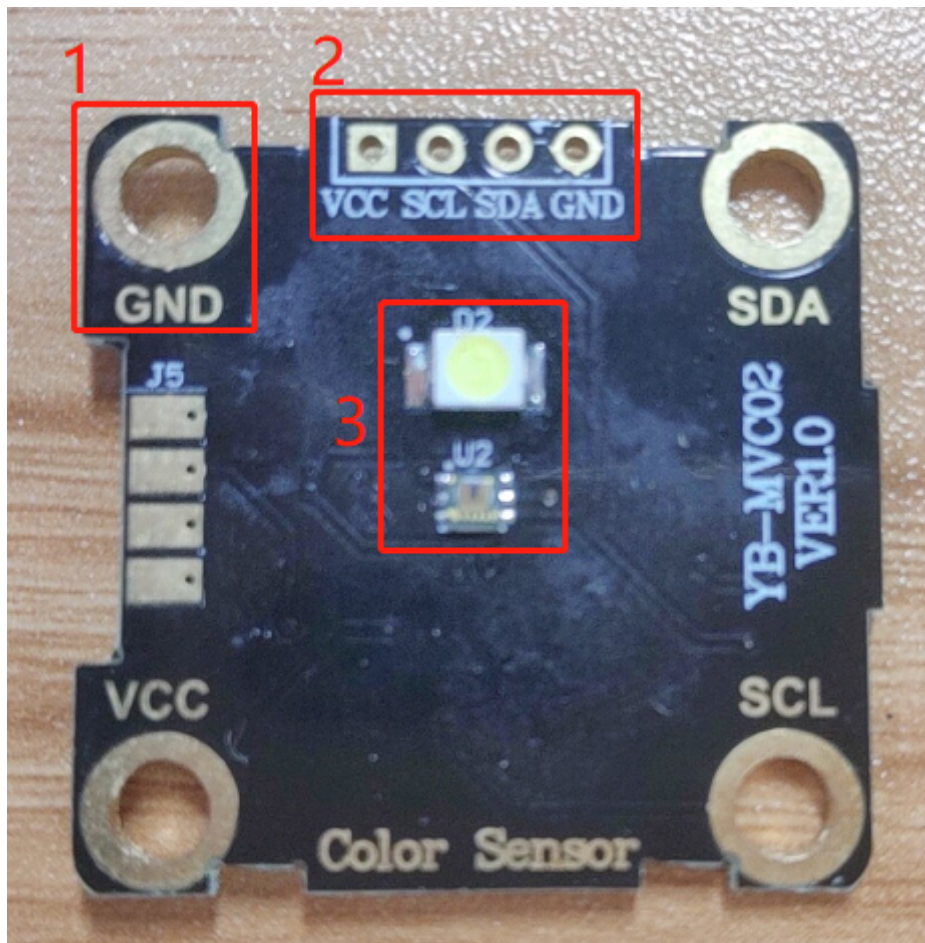
The color recognition sensor is a sensor that compares the color of the object with the reference color that has been taught before to detect the color. When the two colors match within a certain error range, the detection result will be outputted. The result of the detection is output by I2C communication, and we can judge the detected color based on the currently detected RGB value.

2. Practical application

2.1 Color sorter

2.2 Warehouse management

3. About module



3.1 Color recognition module possess 4 Alligator clip port, Corresponding to GND, VCC, SCL and SDA. **SCL and SDA are pins for transmitting data in I2C communication.**

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

3.3 Working Voltage: 3.3V/5V