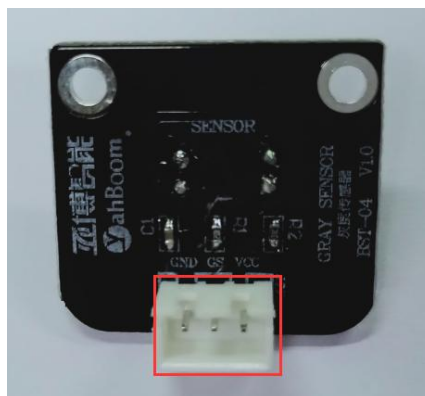


Grayscale module



1. Description of Pin



1-1 Position of Pins

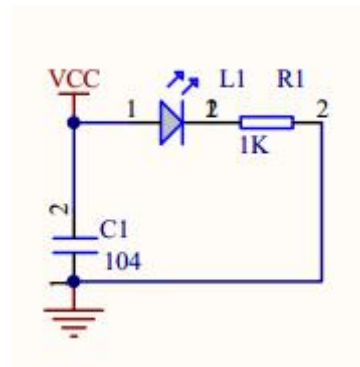
The anti-reverse socket is used here, and it can be connected by cable or DuPont wire.

Pin Name	Description
VCC	5V power supply
GND	GND
GS	signal port

2. LED



2-1 position of LED



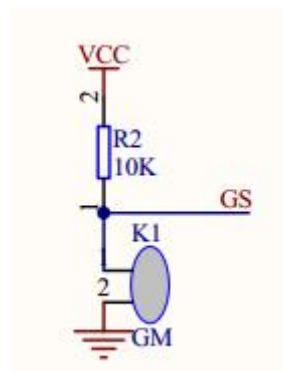
2-2 Schematic

When the module is powered normally, the LED will be in a steady state and emit white visible light.

3. Photoresistor



3-1 position of Photoresistor

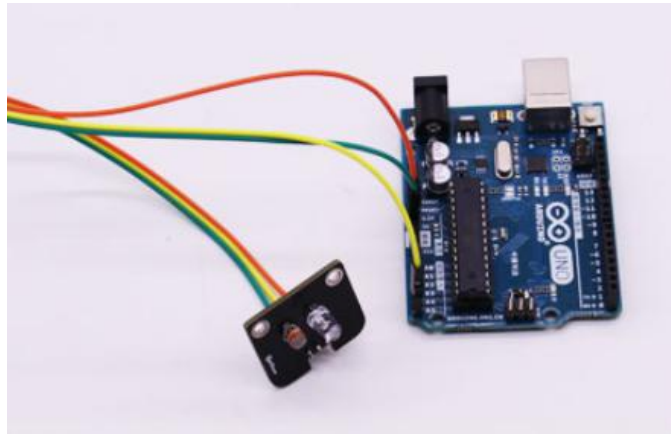


3-2 Schematic

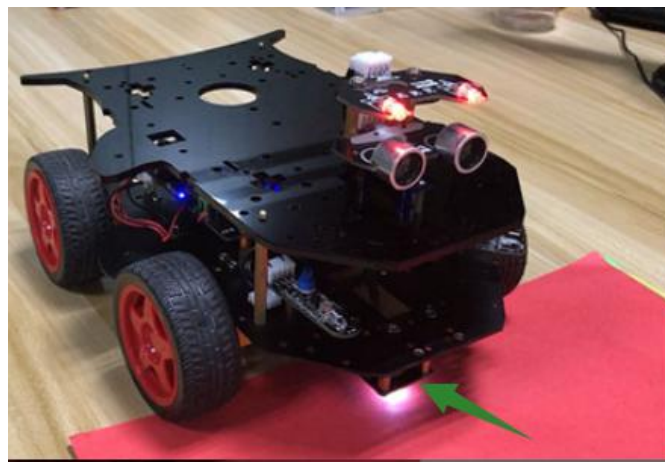
Working principle: The sensor emits white visible light. Reflected by the reflective surface, the photoresistor can sense the reflected intensity to output different voltages. Through the processing of the voltage signal, the gradation change of the reflecting surface can be analyzed.

Hardware connection: (The definition of the pin can be changed in the program by yourself)

1. Connection with Arduino:



2. It can be installed on the smart car to complete color recognition function.



We will provide Arduino driver source code.