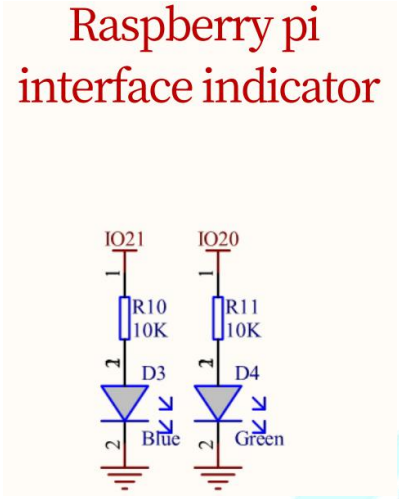
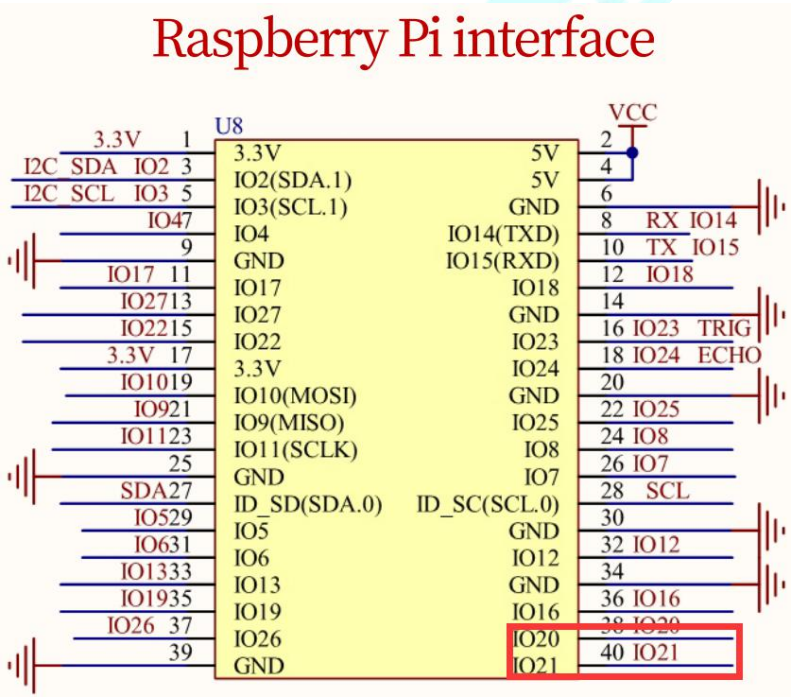
Chapter1：Light up the Raspberry Pi GPIO LED light

First, we should look at the IO port of the two LED lights according to the schematic diagram. They are connected to the GPIO20 and GPIO21 of the Raspberry Pi. We control them by RPi.GPIO.





The code as shown in the figure below:

```
#!/usr/bin/env python2
# -*- coding: utf-8 -*-
"""
Created on Thu Jan 10 07:51:54
Shenzhen Yahboom Tech

@author: LONGFU SUN
"""

import RPi.GPIO as GPIO
import time
LEDBlue=20
LEDYellow=21

GPIO.setmode(GPIO.BCM)

GPIO.setup(LEDBlue,GPIO.OUT)
GPIO.setup(LEDYellow,GPIO.OUT)

while True:
    GPIO.output(LEDBlue,True)
    time.sleep(0.5)
    GPIO.output(LEDBlue,False)
    GPIO.output(LEDYellow,True)
    time.sleep(0.5)
    GPIO.output(LEDYellow,False)
```

After the program is run, the two GPIO indicators next to the buzzer on the expansion board begin to flash alternately. As shown in the figure below.