|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 接入 | BCM | 功能名 | 物理引脚 | | 功能名 |  | 接入 |
|  |  | 3.3V | 1 | 2 | 5V |  |  |
| PCA9685  MPU6050  I2C | 2 | SDA.1 | 3 | 4 | 5V |  |  |
| 3 | SCL.1 | 5 | 6 | GND |  |  |
| motor | 4 | GPIO.7 | 7 | 8 | TXD | 14 | UART |
|  |  | GND | 9 | 10 | RXD | 15 |
| motor | 17 | GPIO.0 | 11 | 12 | GPIO.1 | 18 | motor |
| motor | 27 | GPIO.2 | 13 | 14 | GND |  |  |
|  | 22 | GPIO.3 | 15 | 16 | GPIO.4 | 23 | 1.8 inch |
|  |  | 3.3V | 17 | 18 | GPIO.5 | 24 | 1.8 inch |
| 1.8 inch | 10 | MOSI | 19 | 20 | GND |  |  |
|  | 9 | MISO | 21 | 22 | GPIO.6 | 25 | 1.8 inch |
| 1.8 inch | 11 | SCLK | 23 | 24 | CE0 | 8 | 1.8 inch |
|  |  | GND | 25 | 26 | CE1 | 7 |  |
| Ultra（Trig） | 0 | SDA.0 | 27 | 28 | SCL.0 | 1 | Ultra(echo) |
| Port 1 (LED大灯) | 5 | GPIO.21 | 29 | 30 | GND |  |  |
| Port 2 (激光灯) | 6 | GPIO.22 | 31 | 32 | GPIO.26 | 12 | ws2812 |
| Port 3 (二极管) | 13 | GPIO.23 | 33 | 34 | GND |  |  |
| Tracking | 19 | GPIO.24 | 35 | 36 | GPIO.27 | 16 | Tracking |
| motor | 26 | GPIO.25 | 37 | 38 | GPIO.28 | 20 | Tracking |
|  |  | GND | 39 | 40 | GPIO.29 | 21 | motor |