

## 树莓派第十六课 10口驱动8x8点阵

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pi@raspberrypi: ~/树莓派基础套件程序资料/第十六课/8x8点阵/
pi@raspberrypi: ~/树莓派基础套件程序资料/第十六课/8x8点阵 $ ls
00dianzhen.c  guide16
pi@raspberrypi: ~/树莓派基础套件程序资料/第十六课/8x8点阵 $ nano guide16
pi@raspberrypi: ~/树莓派基础套件程序资料/第十六课/8x8点阵 $ nano 00dianzhen.c
pi@raspberrypi: ~/树莓派基础套件程序资料/第十六课/8x8点阵 $ gpio readall
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| BCM | wPi |   Name   | Mode | V | Physical | V | Mode | Name   | wPi | BCM |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 2 | 8 | SDA.1 | OUT | 0 | 3 | 4 | | 5v | 5V | | |
| 3 | 9 | SCL.1 | OUT | 1 | 5 | 6 | | 0v | 0v | | |
| 4 | 7 | GPIO. 7 | OUT | 1 | 7 | 8 | 0 | OUT | TxD | 15 | 14 |
| | | 0v | | | 9 | 10 | 1 | OUT | RxD | 16 | 15 |
| 17 | 0 | GPIO. 0 | OUT | 1 | 11 | 12 | 0 | OUT | GPIO. 1 | 1 | 18 |
| 27 | 2 | GPIO. 2 | OUT | 0 | 13 | 14 | | | 0v | | |
| 22 | 3 | GPIO. 3 | OUT | 1 | 15 | 16 | 1 | OUT | GPIO. 4 | 4 | 23 |
| | | 3.3v | | | 17 | 18 | 1 | OUT | GPIO. 5 | 5 | 24 |
| 10 | 12 | MOSI | OUT | 1 | 19 | 20 | | | 0v | | |
| 9 | 13 | MISO | OUT | 1 | 21 | 22 | 1 | OUT | GPIO. 6 | 6 | 25 |
| 11 | 14 | SCLK | OUT | 1 | 23 | 24 | 1 | OUT | CE0 | 10 | 8 |
| | | 0v | | | 25 | 26 | 1 | OUT | CE1 | 11 | 7 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 28 | 17 | GPIO.17 | IN | 0 | 51 | 52 | 0 | IN | GPIO.18 | 18 | 29 |
| 30 | 19 | GPIO.19 | IN | 0 | 53 | 54 | 0 | IN | GPIO.20 | 20 | 31 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| BCM | wPi |   Name   | Mode | V | Physical | V | Mode | Name   | wPi | BCM |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
pi@raspberrypi: ~/树莓派基础套件程序资料/第十六课/8x8点阵 $ gcc 00dianzhen.c -o 00dianzhen -lwiringPi
pi@raspberrypi: ~/树莓派基础套件程序资料/第十六课/8x8点阵 $ ls
00dianzhen 00dianzhen.c  guide16
pi@raspberrypi: ~/树莓派基础套件程序资料/第十六课/8x8点阵 $ sudo ./00dianzhen
^Cpi@raspberrypi: ~/树莓派基础套件程序资料/第十六课/8x8点阵 $

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图一

