## 以下是所有引脚占用情况，如需更改，请及时说明

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 超声波 | PA4 | PA6 | PA5 | PA7 |  |  |  |  |  |
| TRIG1 | ECHO1 | TRIG2 | ECHO2 |  |  |  |  |  |
| 按键 | PC0 | PC1 | PC2 | PC3 | EXTI0 | EXTI1 | EXTI2 | EXTI3 |  |
| Key1 | Key2 | Key3 | Key4 |  |  |  |  |  |
| 语音  蓝牙  调试 | PB11 | PB10 | PA2 | PA3 | PA9 | PA10 |  |  |  |
| TX | RX | RX | TX | RX | TX |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 所有  引脚  占用  情况 | PA |  |  | 2 | 3 | 4 | 5 | 6 | 7 |  | 9 | 10 |  |  |  |  |  |
| PB |  |  |  |  |  |  |  |  | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| PC | 0 | 1 | 2 | 3 |  |  | 6 | 7 | 8 | 9 | 10 | 11 | 12 |  |  |  |
| PD |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## 以下是所有定时器占用情况，如需更改，请及时说明

(✔:已占用)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TIM1 | TIM2 | TIM3 | TIM4 | TIM5 | TIM6 | TIM7 | TIM8 |
|  | ✔ | ✔ |  |  |  |  |  |

## 以下是所有外部占用情况，如需更改，请及时说明

(✔:已占用)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Exti0 | Exti1 | Exti2 | Exti3 | Exti4 | Exti9\_5 | Exti15\_10 |
| ✔ | ✔ | ✔ | ✔ |  |  |  |

## 以下是所有串口占用情况，如需更改，请及时说明

(✔:已占用)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Usart1 | Usart2 | Usart3 | Uart1 | Uart4 | Uart5 |
| ✔ | ✔ | ✔ |  |  |  |