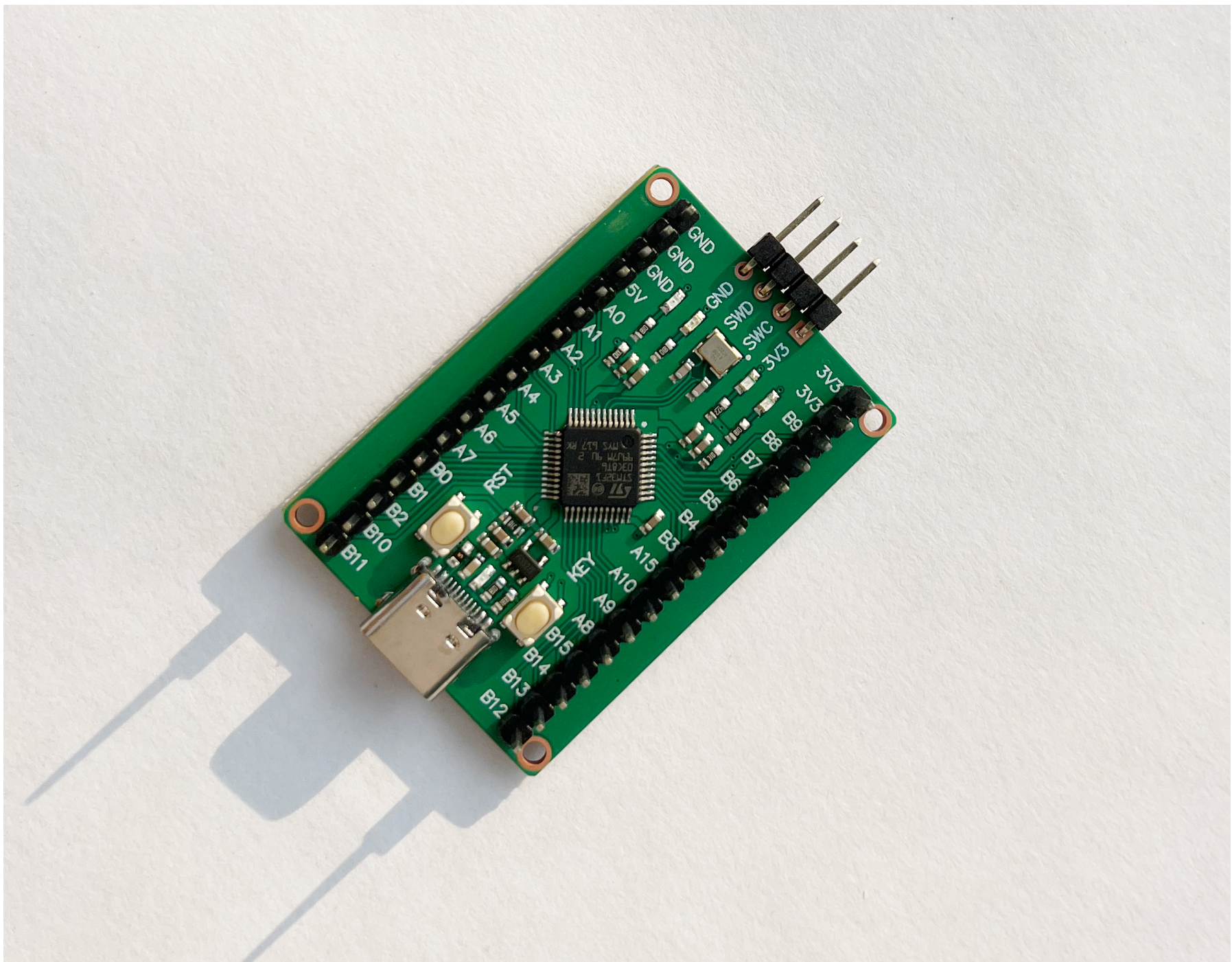
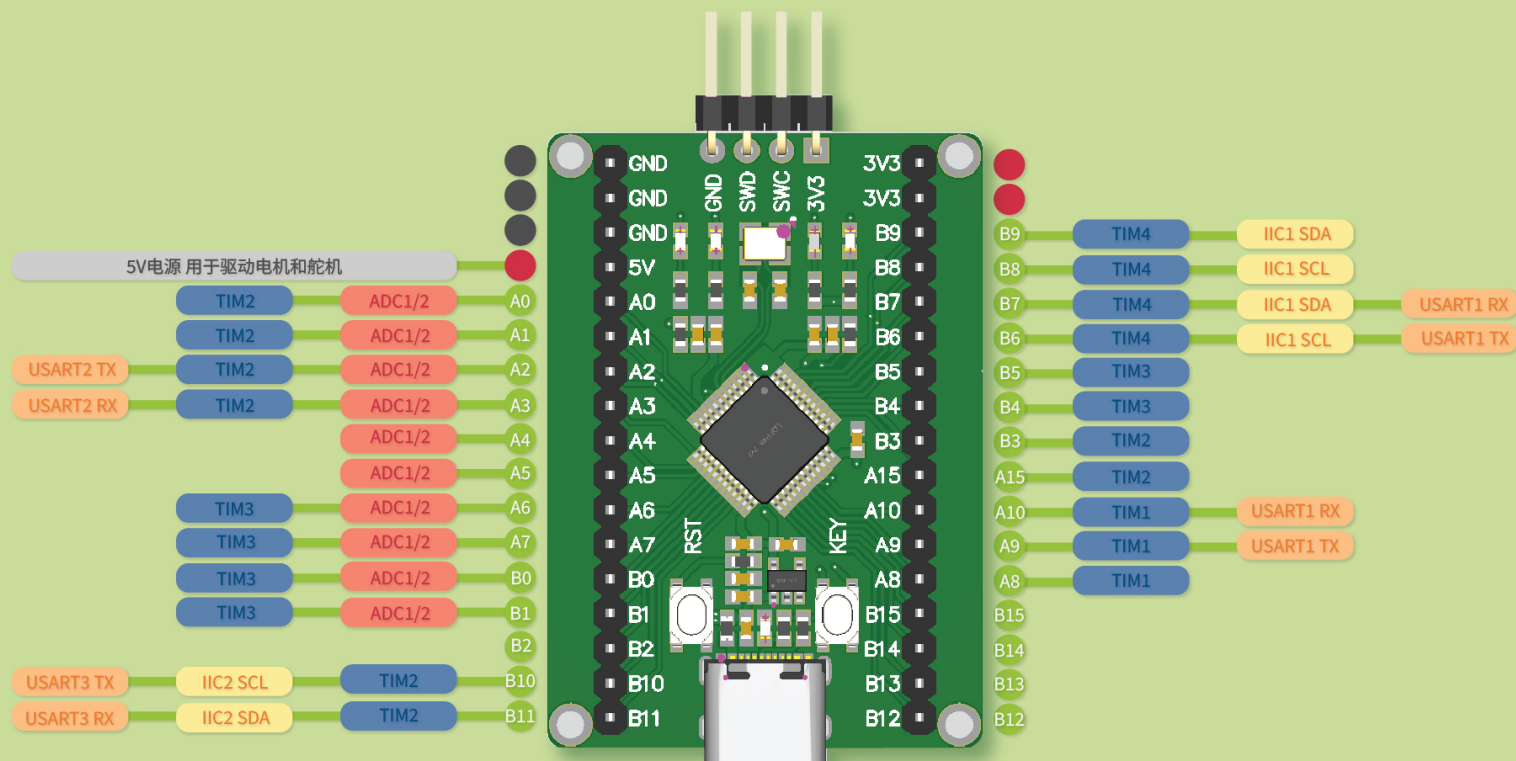




- 电源
- GND
- IO口

- 模拟外设
- 定时器外设
- 通信外设



### TIM

旋转编码器  
电机驱动  
电机  
舵机

### ADC

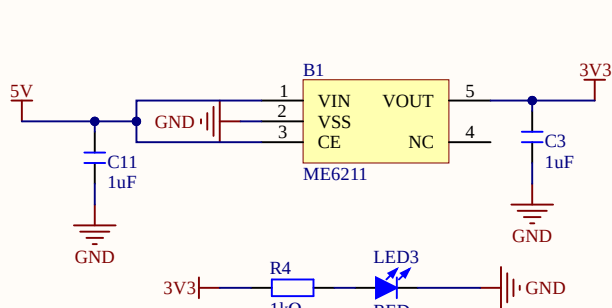
热敏传感器  
光敏传感器  
麦克风

### IIC

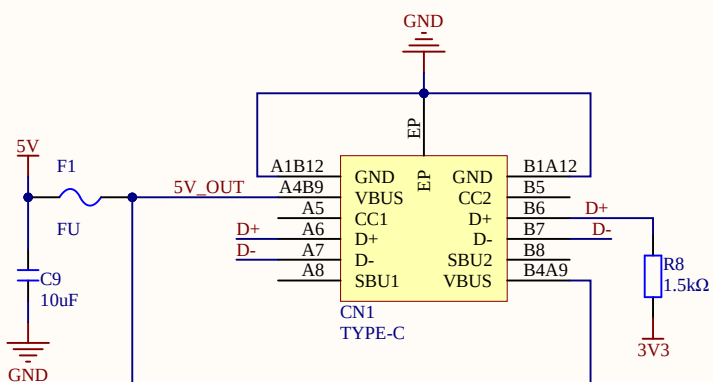
OLED小屏幕  
DAC模块  
扬声器

### UART

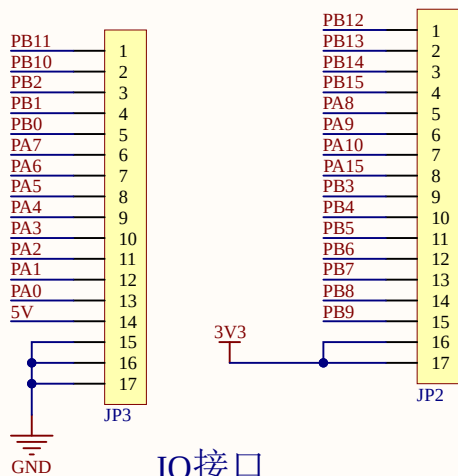
CH340



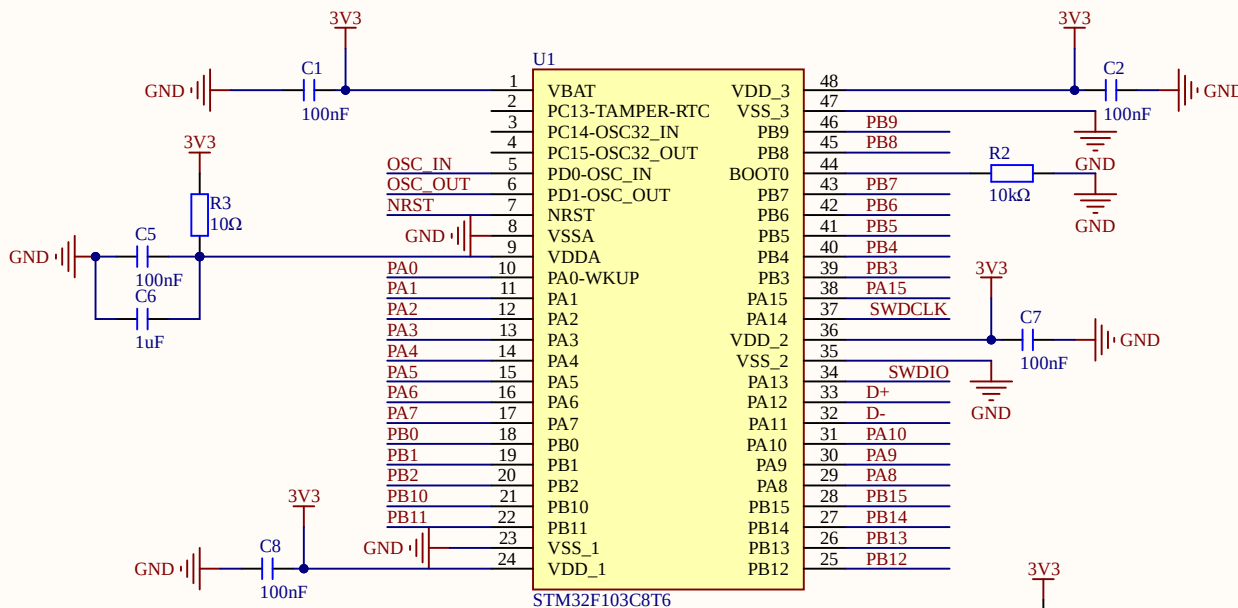
3V3稳压电路



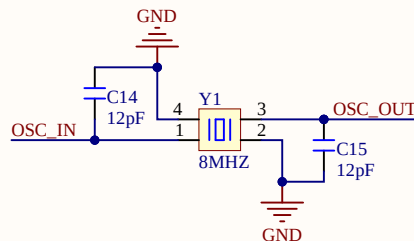
TYPE-C接口电路



IO接口

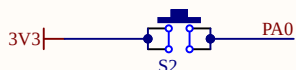
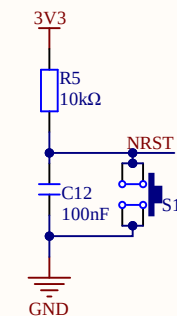


下载电路

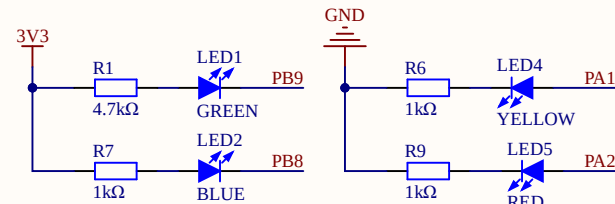


晶振电路

复位电路



控制电路



| Title |                            |  |           |
|-------|----------------------------|--|-----------|
| Size  | Number                     |  | Revision  |
| A     |                            |  |           |
| Date: | 7/09/2026                  |  | Sheet of  |
| File: | D:\1-STM32工程\Sheet1.SchDoc |  | Drawn By: |