

# STM32\_KIT 学习板

KEYSKING 作者

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## Peripheral List

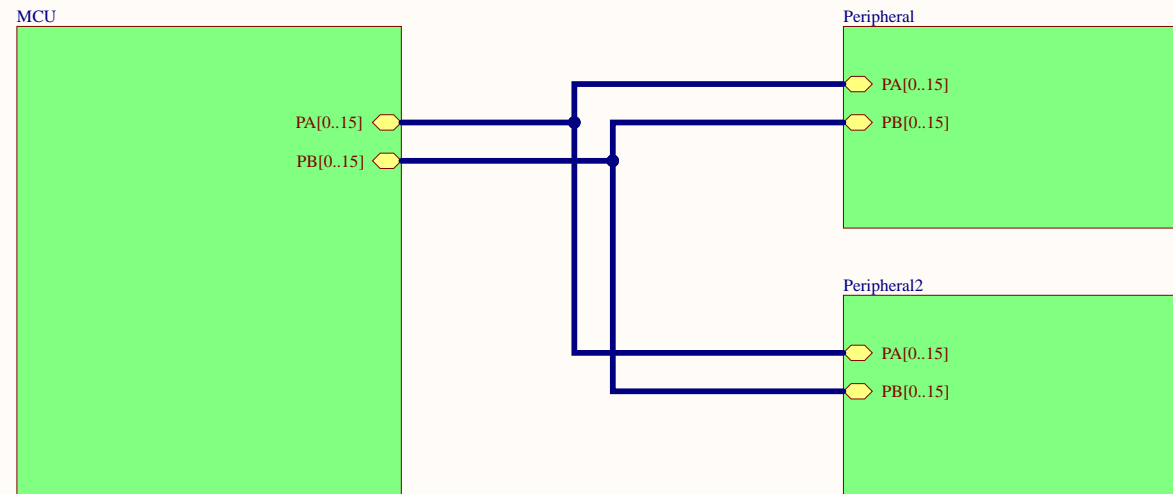
1 × RGB LED	1 × UltraSonic
2 × KEY	1 × Rotary Encoder
1 × TCRT5000	1 × DHT20
1 × Relay	1 × OLED Display
1 × Potentiometer ADC	1 × BLUETOOTH
1 × NTC Temperature Sensor	1 × TYPE-C
1 × DRV8833 Motor Driver	1 × CH343P USART to USB
1 × Servo	1 × WS2812 LED Array
1 × Passive Buzzer	1 × RTC Battery

## License

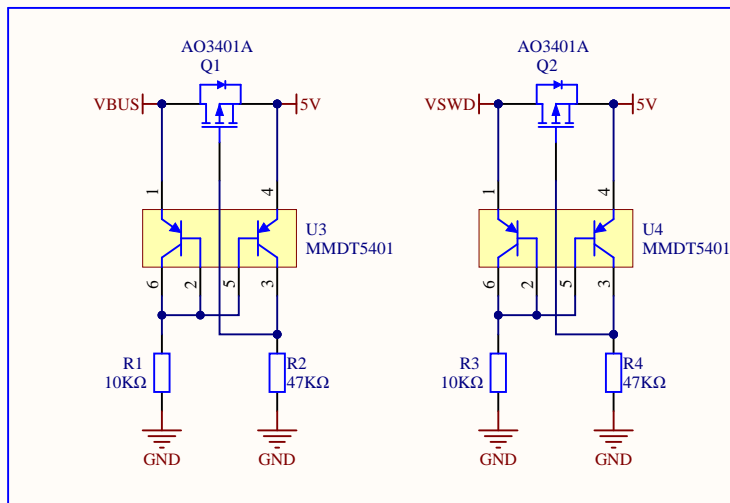
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TOP



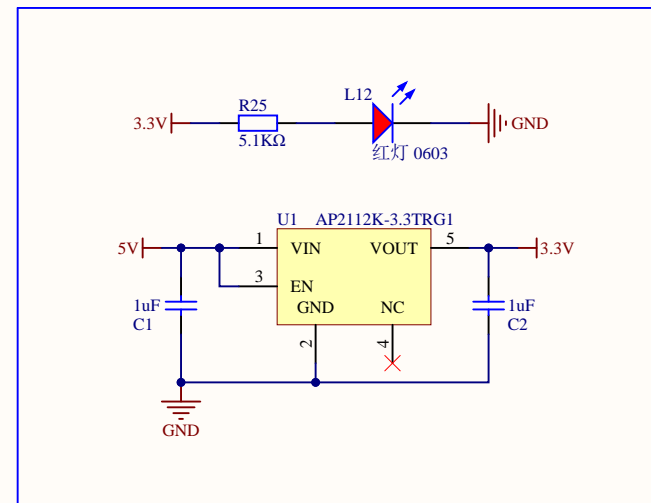


电流防倒灌 (实现安全双电源输入)  
Anti-backflow protection



## 低噪声 3.3V 线性稳压电路

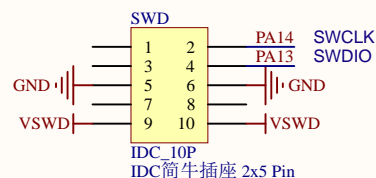
### 3.3V Power supply



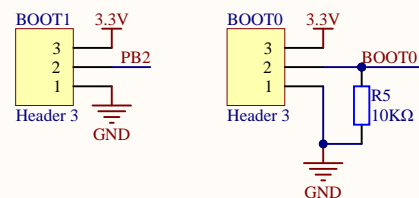
PA[0..15]

PB[0..15]

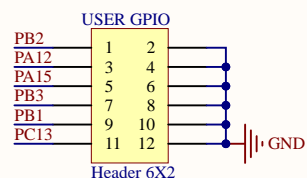
### ST-LINK Connector



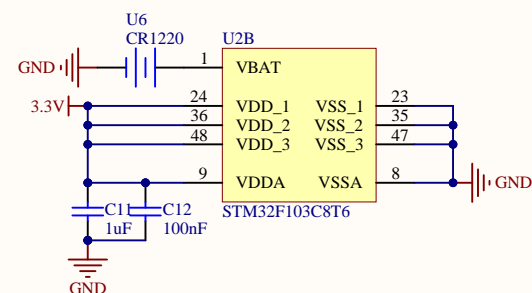
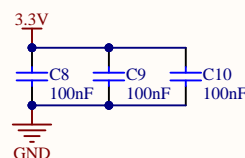
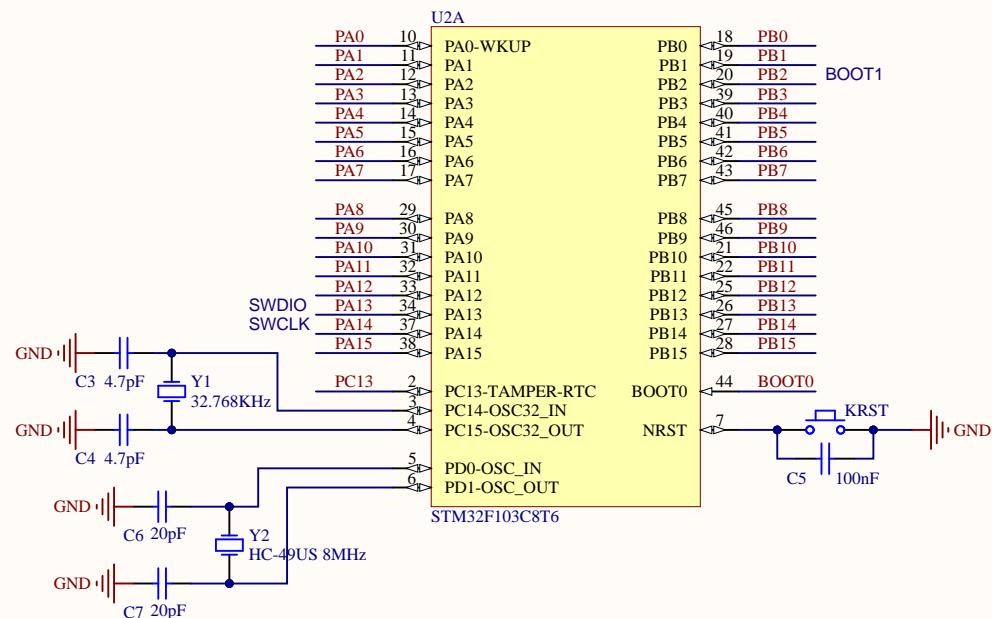
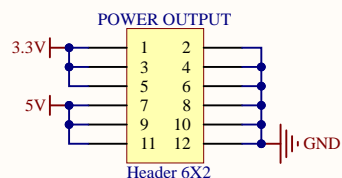
### BOOT0 BOOT1 Selector

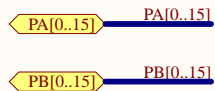


### USER-DEFINED GPIO

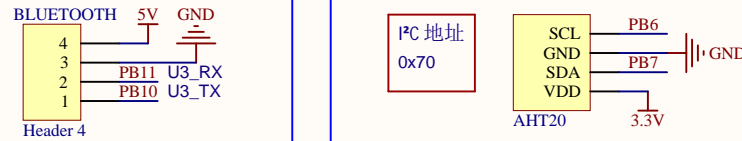


### POWER OUTPUT

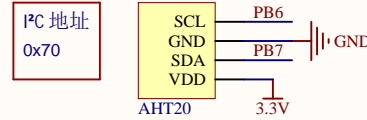




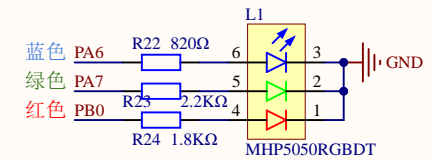
## BLUETOOTH



## AHT20

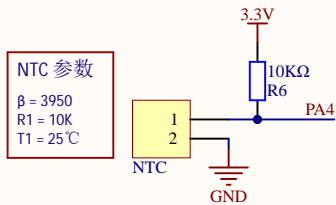


## RGB LED

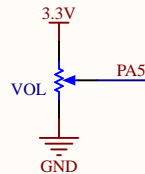


## ADC TEST

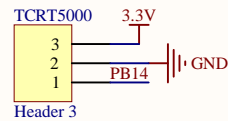
Temperature sensor



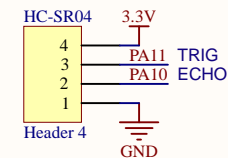
Variable resistor



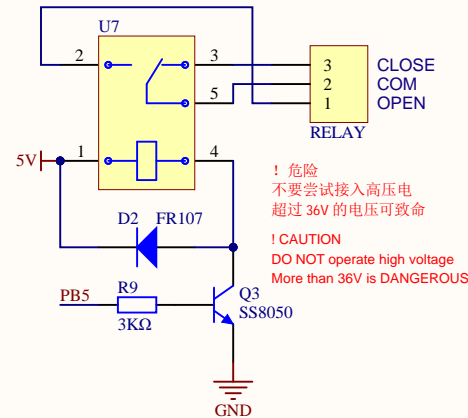
## Photoelectric switch



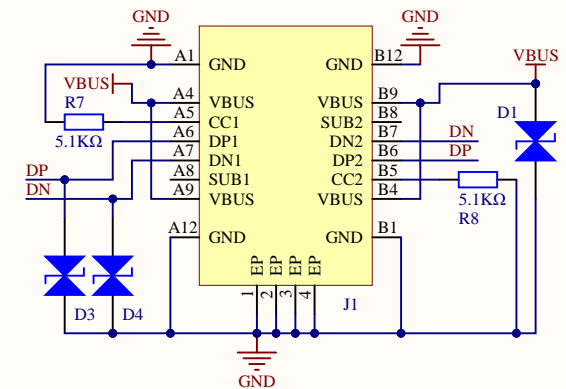
## Ultrasonic



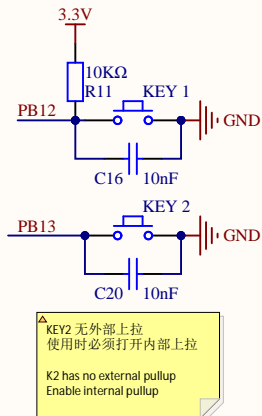
## Relay



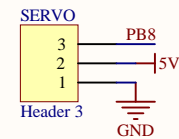
## TYPE-C



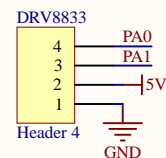
## KEYS



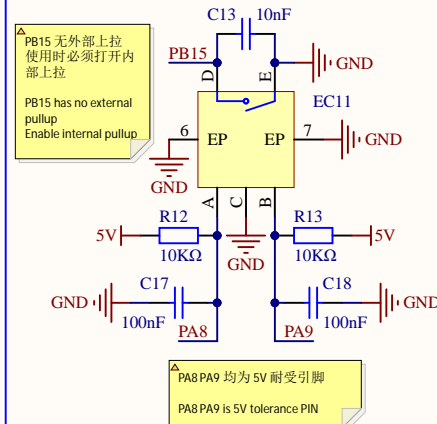
## Servo



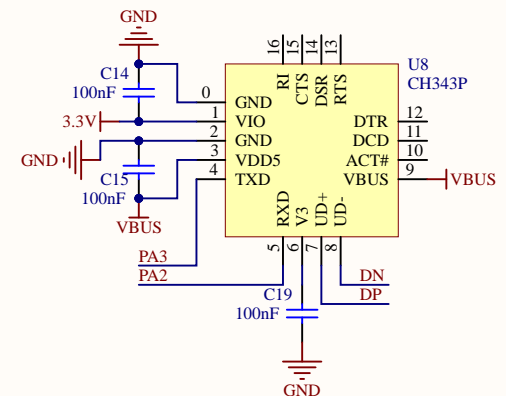
## Motor driver



## Encoder



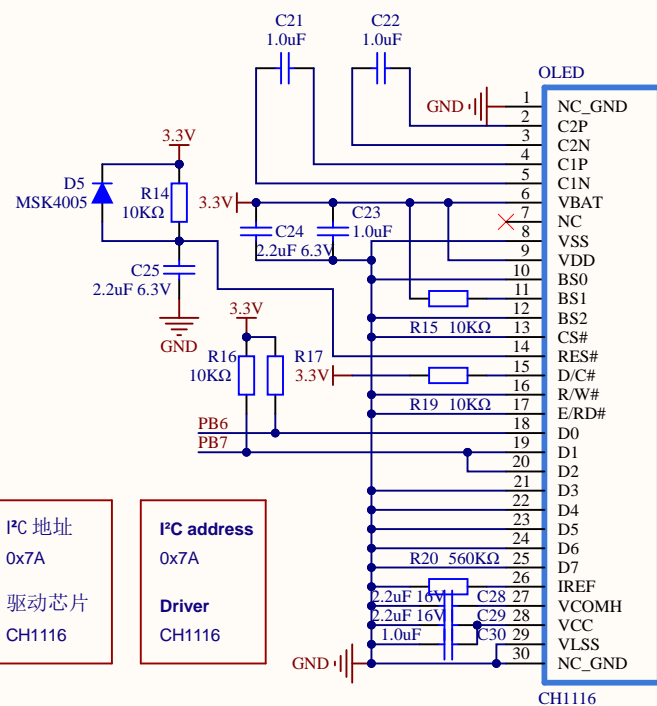
## CH343P



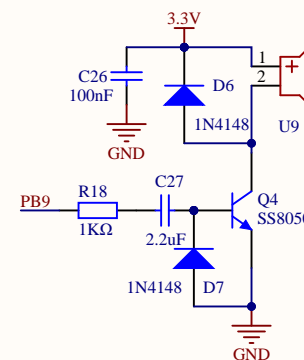
PA[0..15]

PB[0..15]

## OLED SCREEN



## Passive Buzzer



## WS2812C

### RGB Array

△ PB4 为 5V 耐受引脚  
使用时, 必须配置为「开漏输出」模式  
PB4 is 5V tolerance PIN  
Set to open-drain output mode

