# STM32\_LEARNING\_KIT

### **KEYSKING**

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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

 $1 \times Servo$ 

1 × WS2812 LED Array

1 × Passive Buzzer

1 × RTC Battery

## License

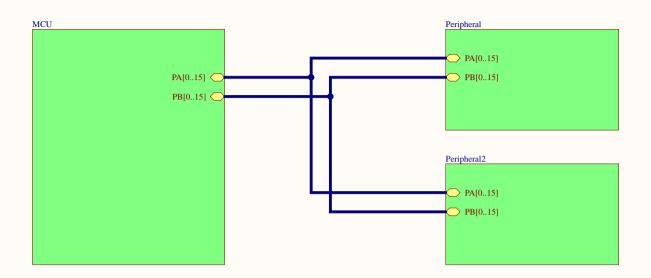
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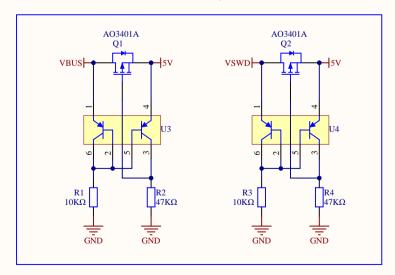
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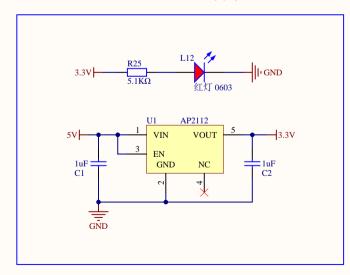




# Anti-backflow protection



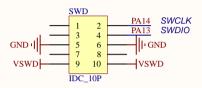
# 3.3V Power supply



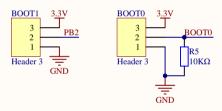




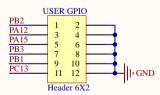
### ST-LINK Connector



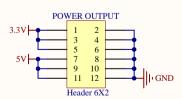
### **BOOT0 BOOT1 Selector**

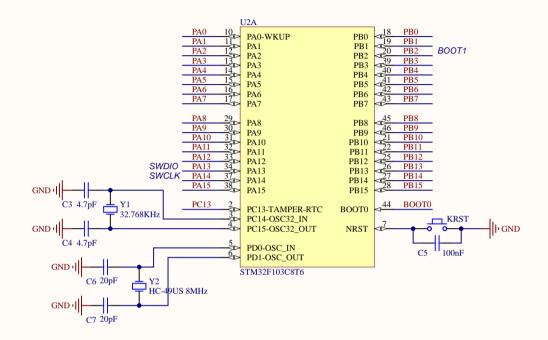


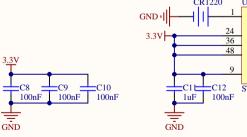
### **USER-DEFINED GPIO**

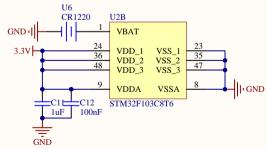


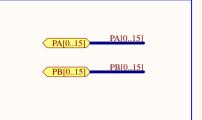
### POWER OUTPUT

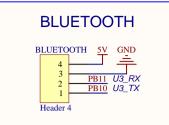


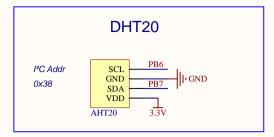










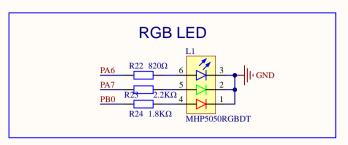


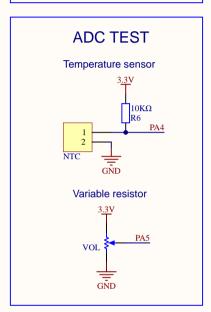
Relay

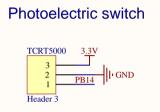
CLOSE

COM OPEN

RELAY







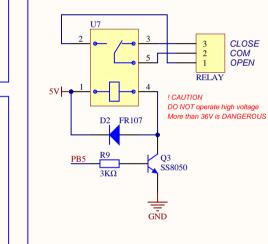
Ultrasonic

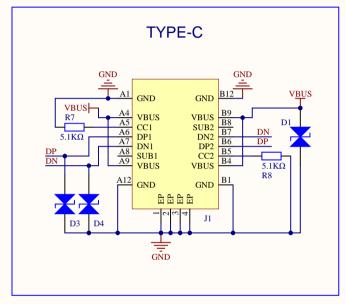
PA11 TRIG

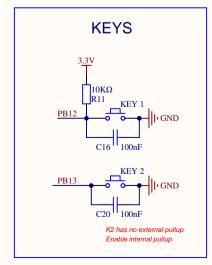
PA10 ECHO

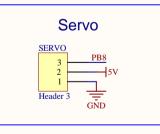
HC-SR04

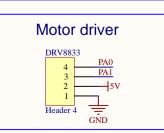
Header 4

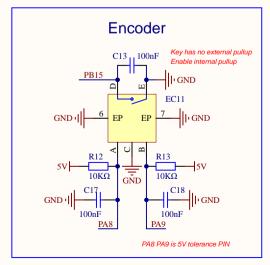


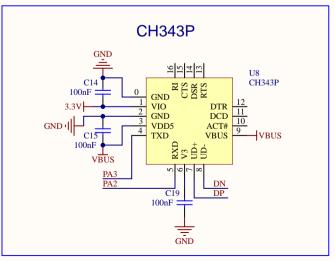












PA[0..15] PA[0..15]

PB[0..15]

