

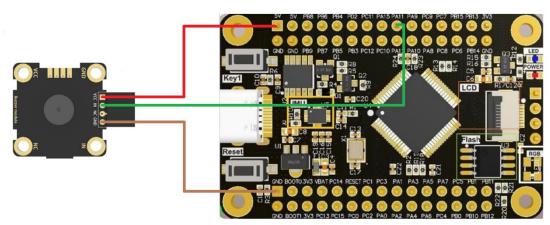
# **Passive Buzzer singing**

## 1. Learning Target

In this course, we mainly learn to use STM32F103RCT6 drive passive buzzer to sing "Happy Birthday".

### 2. Preparation before Class

The hardware needed is STM32F103RCT6 development board, passive buzzer module, Dupont line.



passive buzzer module	STM32F103RCT6
VCC	3.3V
GND	GND
IN	PA11

#### 3.code snippet

Initializes the buzzer pin

The song is represented by two arrays, one is the pitch and one is the duration of the pitch.



### 4.Experimental Phenomenon

After the program download completed, the single chip connected to the electricity, we can hear the buzzer "sing" Happy birthday song.