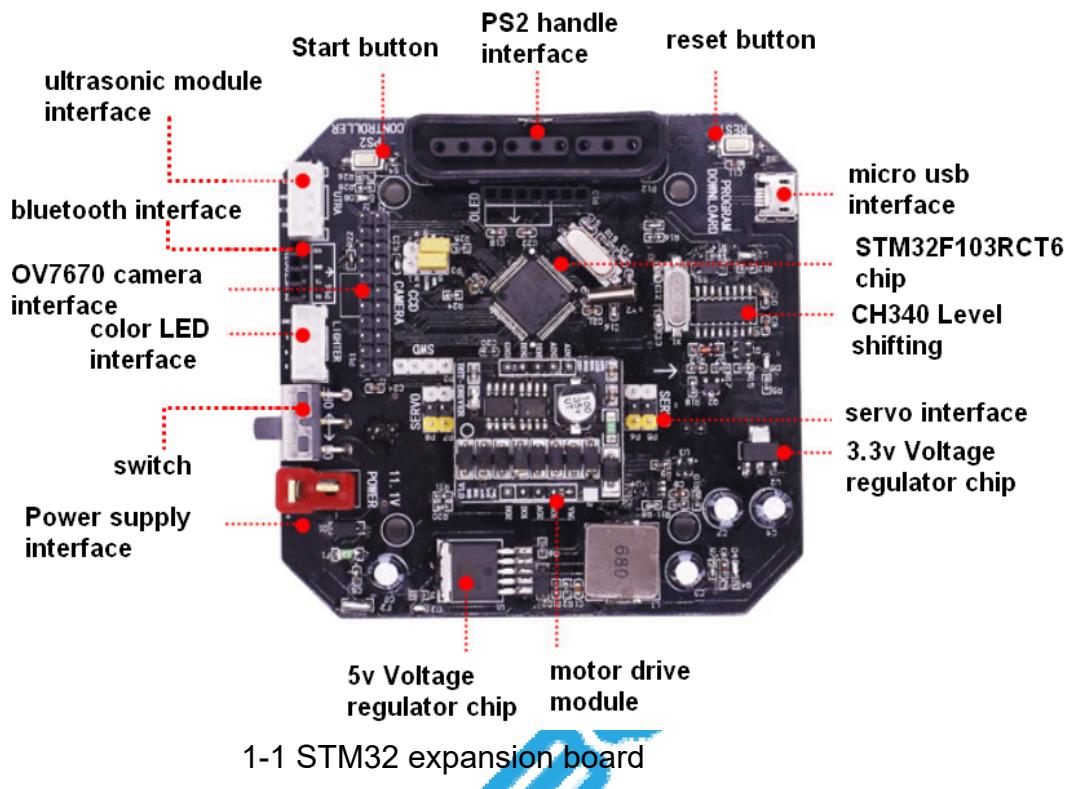
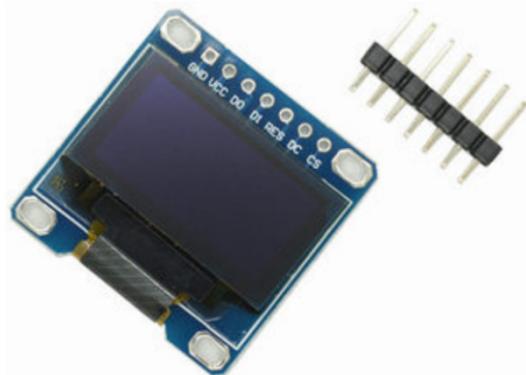


4. STM32 platform----- OLED

1) Preparation



1-2 STM32 smart car



1-3 0.96 inch OLED

2) Purpose of Experimental

After the car is powered on, press the start button next to the PS2 logo on the expansion board, you will see that “亚博智能 123” on the first row of the 0.96 inch OLED; “创客教育 123” on the second row of the 0.96 inch OLED; “创客 abc12” on the third row of the 0.96 inch OLED; three diamonds on the fourth row of the 0.96 inch OLED. As shown below.

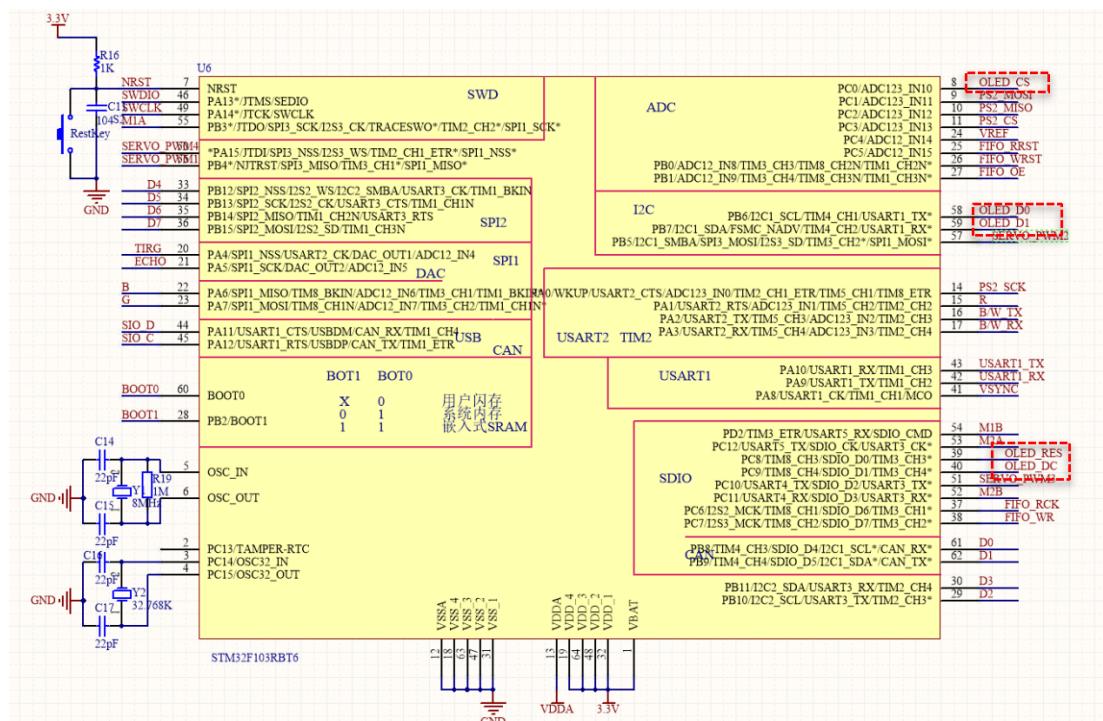


3) Principle of experimental

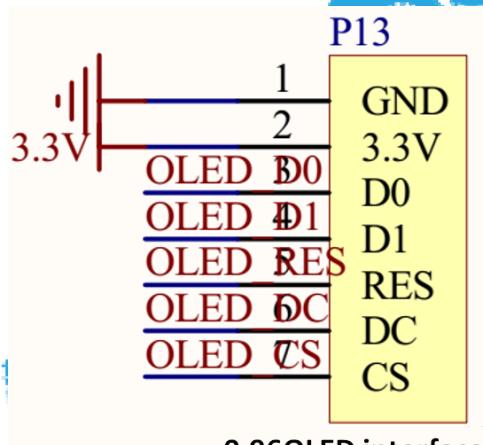
This experiment uses the 0.96-inch screen. The experiment uses the SPI communication method. This module does not have a font library and needs to display the model on the molding software. It can display Chinese, English, pictures, etc.

4) Experimental Steps

4-1 About the schematic



4-1 STM32 main control board circuit diagram



4-2 0 96OI ED interface

4-2 According to the circuit schematic:

D0(OLED)----PB6(STM32)
D1(OLED)----PB7(STM32)
RES(OLED)----PC8(STM32)
DC(OLED)----PC9(STM32)
CS(OLED)----PC0(STM32)

4-3 About the code

Please see the folder named OLED in the code folder.