

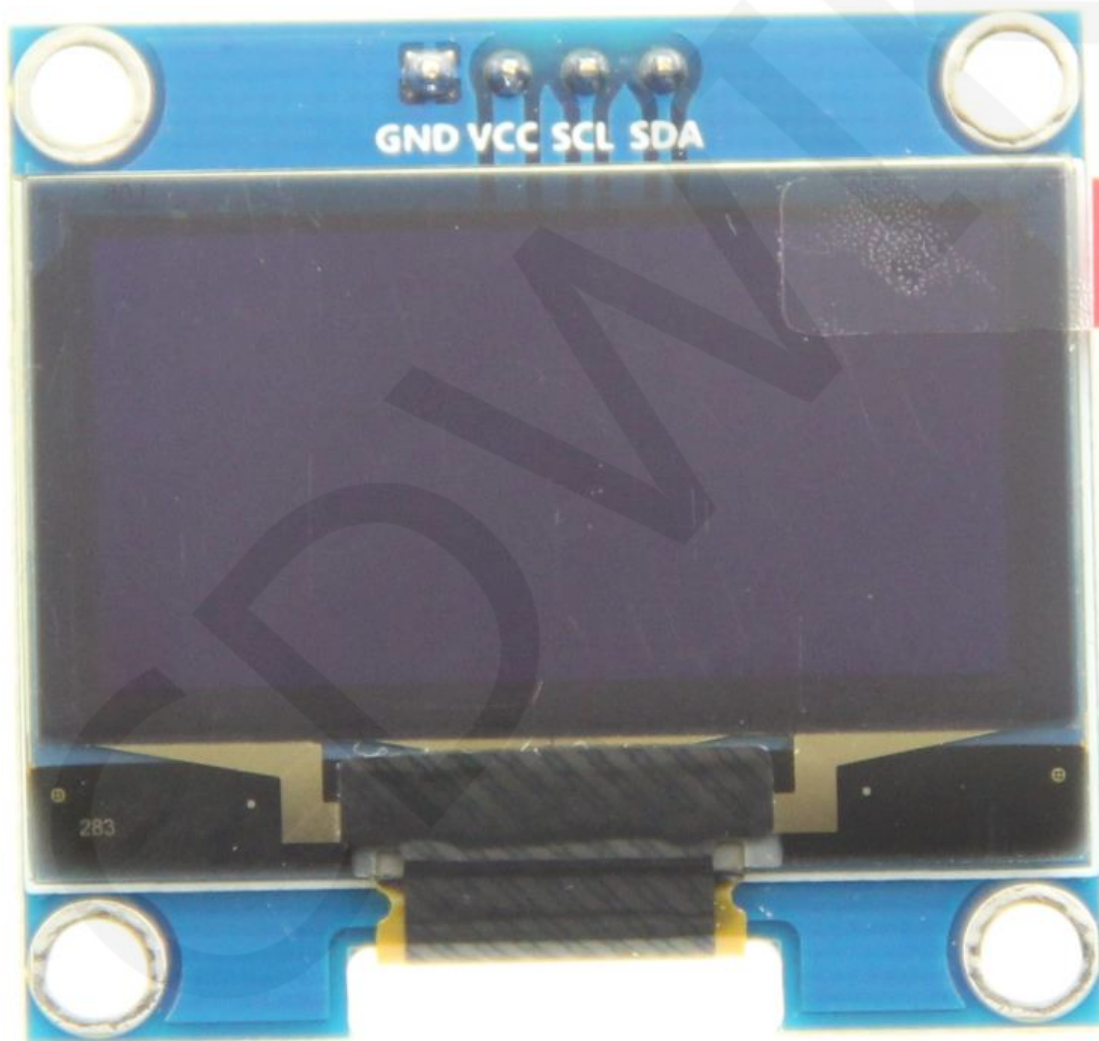
## Test platform introduction:

Development board: MSP430 development board

MCU : MSP430F149

Crystal frequency : 8MHZ

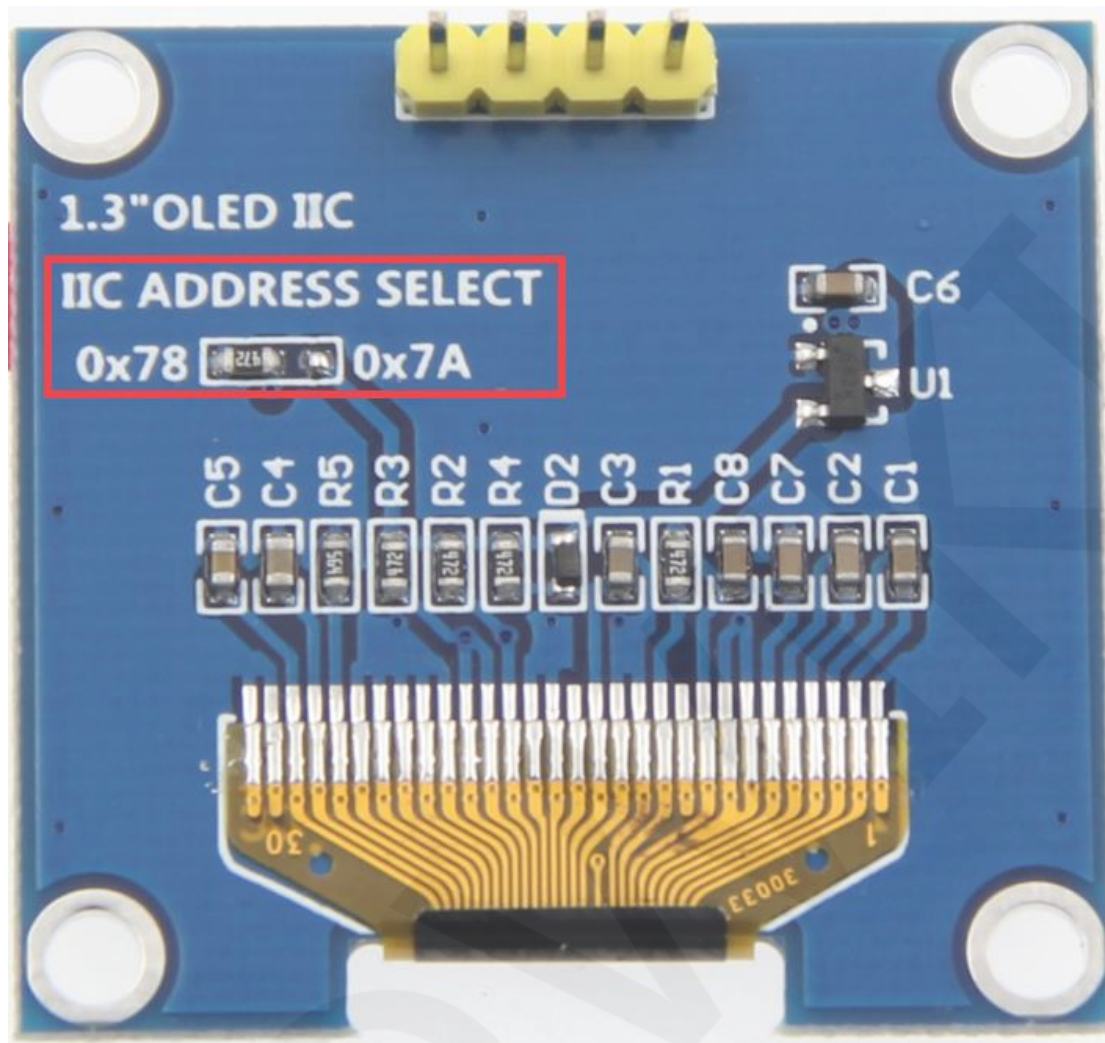
## Wiring instructions:



Picture 1. Module pin silk screen (1 pin is GND)



Picture 2. Module pin silk screen (1 pin is VCC)



Picture 3. Rear view of the module

#### NOTE:

1. This module supports IIC slave device address switching (shown in red box in Picture 3), as follows:
  - A. Solder the 0x78 side resistance, disconnect the 0x7A side, then select the 0x78 slave address (default);
  - B. Solder the 0x7A side resistance, disconnect the 0x78 side, then select the 0x7A slave address;
2. The hardware switches the IIC from the set address, and the software also needs to be modified accordingly. For the specific modification method, see the following IIC slave device address modification instructions.

MSP430F149 microcontroller test program wiring instructions			
Number	Module Pin	Corresponding to MSP430 development board wiring pin	Remarks
1	GND	GND	OLED power ground
2	VCC	5V/3.3V	OLED power positive (3.3V~5V)
3	SCL	P54	OLED IIC bus clock signal
4	SDA	P53	OLED IIC bus data signal

## Demo function description:

1. This set of test program procedures is applicable to the MSP430F149 platforms;
2. This set of test programs uses the analog IIC bus to transfer data;
3. Please select the corresponding test program and development board to wire according to the above wiring instructions;
4. This set of test procedures contains the following test items:
  - A. the main interface displays the test;
  - B. simple black and white color brush test;
  - C. English display test;
  - D. symbol and digital display test
  - E. Chinese display test;
  - F. BMP monochrome picture display test;

## IIC slave device address modification instructions:

1. Open the `iic.h` file in the program and find the following:

```
//定义IIC从设备地址  
#define IIC_SLAVE_ADDR 0x78
```

2. Modify the `IIC_SLAVE_ADDR` macro definition (default is 0x78):

For example, change to 0x7A, then the IIC slave address is 0x7A;