**3.2. 0.96” OLED 128x64 Specifications**

https://zhuanlan.zhihu.com/p/628861772 **Table of contents**

1. Introduction

2. Technical parameters

3. Pin Description

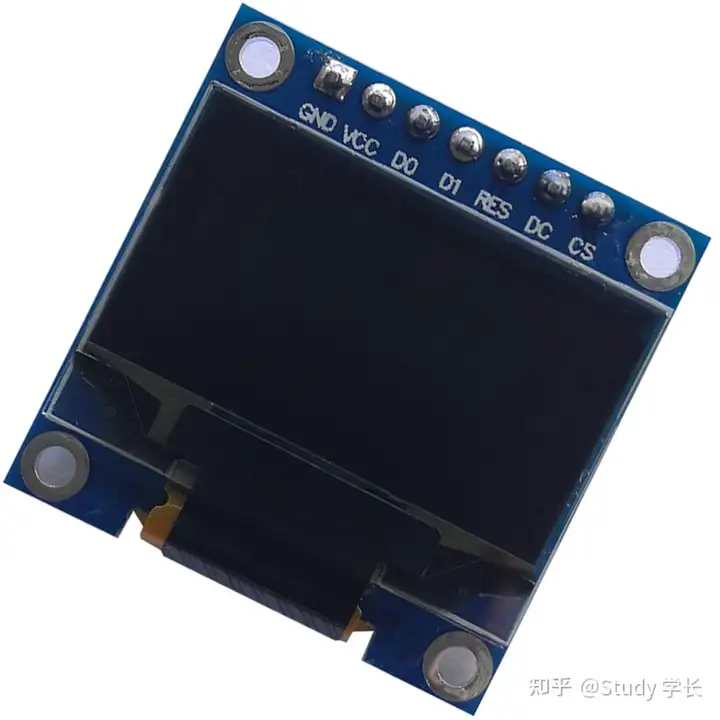
4. Circuit Schematic Diagram

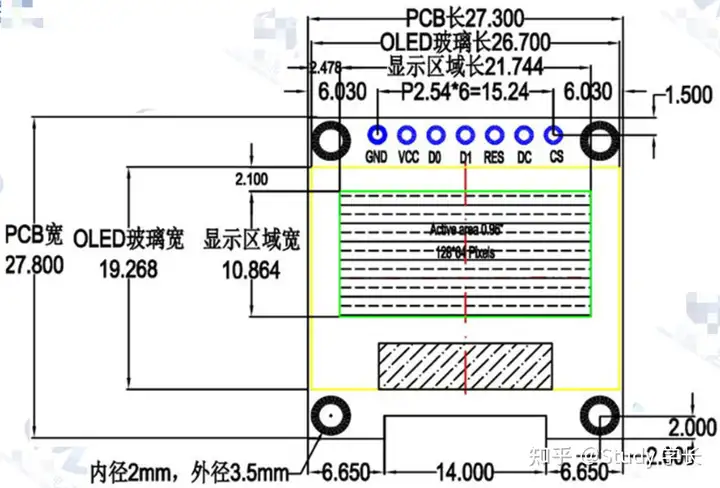
5. Instructions for use

**1. Introduction**

(1) Sample store: See the comments section.

(2) The actual picture of this 0.96-inch OLED display is shown in the figure below. Its resolution is 64×128 pixels, which means there are 64 pixels vertically and 128 pixels horizontally.





**2. Technical parameters**

(1) Model: 0.96OLED12864

(2) Color: black and white

(3) Size: 0.96 inches

(4) Resolution: 128×64px

(5) Driver chip: SSD1306

(6) Dimensions: 27.3×27.8×2.7 (mm)

(7) Display area: 21.74×11.20 (mm)

(8) Spot size: 0.15×0.15 (mm)

(9) Point spacing: 0.17×0.17 (mm)

(10) Working voltage: 3.3v or 5v

(11) Working current: about 28ma when working, about 25ua when sleeping

(12) Operating temperature: -20~60°C

(13) Storage temperature: -20~60°C

(14) Number of pins: 7

**3. Pin Description**

(1) GND: negative power supply interface

(2) VCC: positive power supply interface, supports 3.3~5.0v power supply

(3) D0: Clock interface

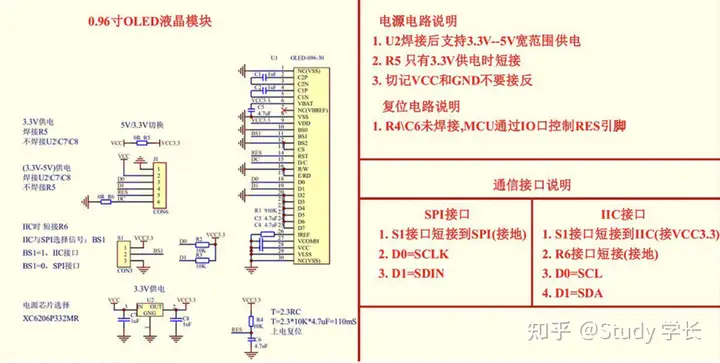
(4) D1: Data interface

(5) RES: reset interface

(6) DC: Data/command selection interface

(7) CS: Chip Select

**4.**[**Circuit Schematic Diagram**](https://zhida.zhihu.com/search?content_id=227878508&content_type=Article&match_order=1&q=%E7%94%B5%E8%B7%AF%E5%8E%9F%E7%90%86%E5%9B%BE&zd_token=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJ6aGlkYV9zZXJ2ZXIiLCJleHAiOjE3MjgwNjc0NTMsInEiOiLnlLXot6_ljp_nkIblm74iLCJ6aGlkYV9zb3VyY2UiOiJlbnRpdHkiLCJjb250ZW50X2lkIjoyMjc4Nzg1MDgsImNvbnRlbnRfdHlwZSI6IkFydGljbGUiLCJtYXRjaF9vcmRlciI6MSwiemRfdG9rZW4iOm51bGx9.WD_ok8SvdU_wk4swUhDzLmfQ7GLZPLd9Iys-NpONM4o&zhida_source=entity)



**5. Instructions for use**

Refer to "STM32 Development Guide" → "OLED Display Experiment"

Link 1: https:// z7po9bxpe4.k.topthink.com /@stm32/11.OLEDxianshiqishiyan.html

Link [2:](https://link.zhihu.com/?target=https%3A//z7po9bxpe4.k.topthink.com/%40stm32)https://z7po9bxpe4.k.topthink.com/@stm32 (Find "OLED Display Experiment" in the catalog)