

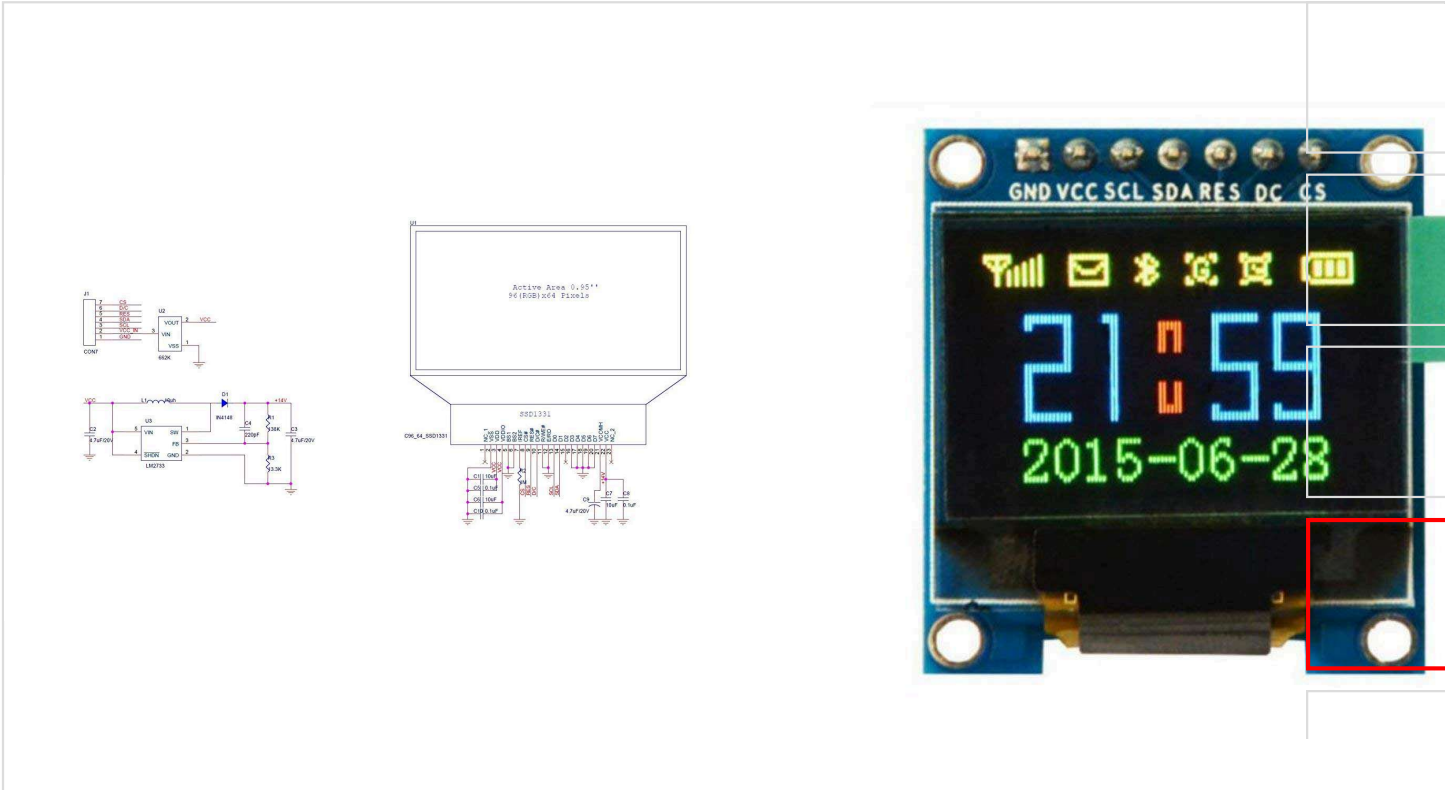
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0.95" Inch 7 Pin Colorful 65K SPI OLED Display Module SSD1331

9664 Resolution For 51 STM32 Arduino

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产品详情

Product Evaluation

- Pin Description:**
- 1.GND-Gound
 - 2.VCC-Positive Voltage(2.8-5.5V)
 - 3.SCL-Clock Line
 - 4.SDA-Data Line
 - 5.RES-Reset
 - 6.DC-Data/Demand

7.CS-Chip Select

The use of OLED technology offers the following advantages for flat-panel displays?

1. A simplified manufacturing process compared to TFT-LC
2. Self-emitting light, in contrast to the required backlight for TFT-LCD
3. High luminosity
4. Lightweight and thin
5. Capable of wide viewing angles
6. Low operating voltage and power consumption
7. Quick response
8. Wide range of operating temperatures (-40c to 85c)

How Does OLED Emit Light?

OLED's basic structure consists of organic materials positioned between the cathode and the anode, which is composed of electric conductive transparent Indium Tin Oxide (ITO). The organic materials compose a multi-layered thin film, which includes the Hole Transporting Layer (HTL), Emission Layer (EML) and the Electron Transporting Layer (ETL). By applying the appropriate electric voltage, holes and electrons are injected into the EML from the anode and the cathode, respectively. The holes and electrons combine inside the EML to form excitons, after which electroluminescence occurs. The transfer material, emission layer material and choice of electrode are the key factors that determine the quality of OLED components.

Previous : STM32F103C8T6 ARM STM32 Minimum System Development Board Module For Arduino (/ProductDetail/2169572.html)
5.5-100V 0-20A Voltmeter/ Power Meter/ Electric Power Monitor Bulit-in Shunt (/ProductDetail/2169572.html)

Shenzhen HiLetgo Technology Co., Ltd

Shenzhen HiLetgo E-Commerce Co., Ltd

Tel: +86-0755-36625387 Fax: +86-0755-36625387

Mobile: +86-13066806553 WhatsApp: +86-13066806553

WeChat: L13066806553 E-mail: sales@hiletgo.com

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Skype: jelly0115

Website: www.hiletgo.com

Add: Room 1323-1327, Huanqiu Wuliu Zhongxin, HuaNanCheng, PingHu, LongGang,

Shenzhen, Guangdong, China. 518111

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