



0.96 inch 64x128 OLED Display

0.96 inch 64x128 OLED Display, White PM OLED Screen, Number of Pixels: 64x128, Driver IC SH1107G, 13 pins FPC, I2C and 4-wire serial interface, used in any embedded systems, industrial device, security, medical and hand-held device. The following is about 0.96 inch 64x128 OLED Display related, I hope to help you better understand 0.96 inch 64x128 OLED Display.

Product Description

Product instruction of the 0.96 inch 64x128 OLED Display

We supply 0.96 inch OLED Display which is the graphic OLED display module made of 64x128 white OLED pixels, diagonal is only 0.96 inch. The controller IC SH1107G, communicates via I2C/4-wire serial interface.

Product Specification of the 0.96 inch 64x128 OLED Display

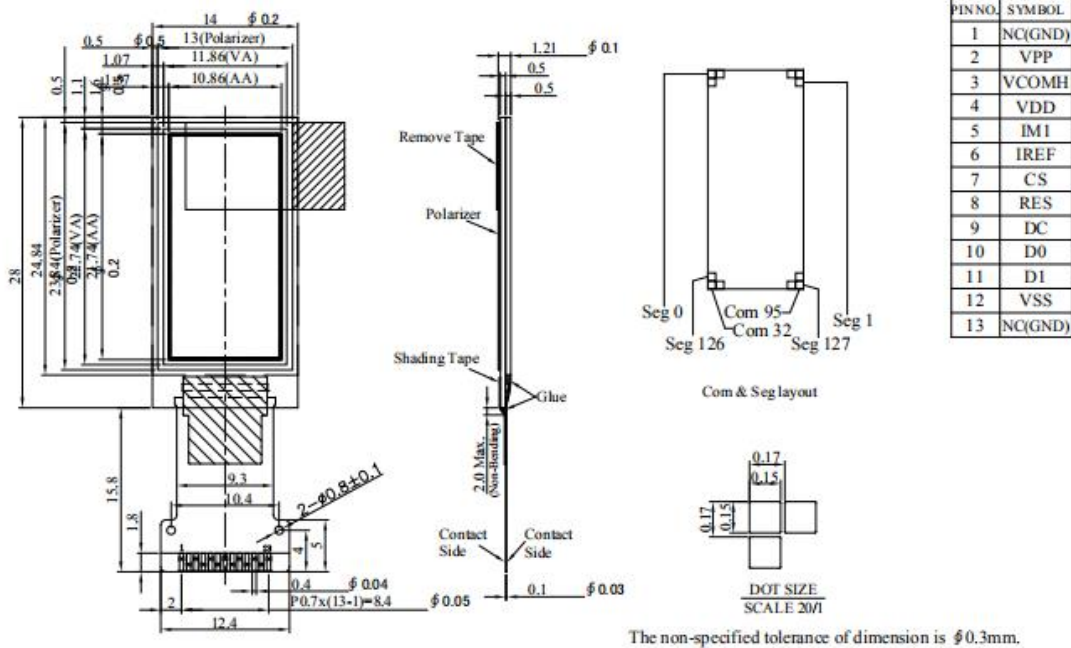
Item	Dimension	Unit
Dot Matrix	64x128 Dots	—
Module dimension	14.0x28.0x1.21	mm
Active Area	10.86x21.74	mm
Pixel Size	0.15x0.15	mm
Pixel Pitch	0.17x0.17	mm
Display Mode	Passive Matrix	
Display	Color White	
Drive Duty	1/64 Duty	
IC	SH1107G	
Interface	4-wire SPI,I2C	

Size	0.96 inch
------	-----------

Product Picture of the 0.96 inch 64x128 OLED Display



Product Drawing of the 0.96 inch OLED Display



Product Interface Pin Function of the 0.96 inch OLED Display

No.	Symbol	Function
1	NC	Not connected.
2	VPP	This is the most positive voltage supply pad of the chip. It should be supplied externally.
3	VCOMH	This is a pad for the voltage output high level for common signals. A capacitor should be connected between this pad and VSS.
4	VDD	1.65 - 3.5V Power supply for logic and input.
5	IM1	These are the MPU interface mode select pads. IM1 connect to VDD is I2C interface. IM1 connect to GND is 4-wire SPI interface.
6	IREF	This is a segment current reference pad. A resistor should be connected between this pad and VSS. Set the current at 15.625mA.
7	CS	This pad is the chip select input. When CS = "L", then the chip select becomes active, and data/command I/O is enabled.
8	RES	This is a reset signal input pad. When RES is set to "L", the settings are initialized. The reset operation is performed by the RES signal level.
9	DC	This is the Data/Command control pad that determines whether the data bits are data or a command. A0 = "H": the inputs at D0 to D7 are treated as display data. A0 = "L": the inputs at D0 to D7 are transferred to the command registers. In I2C interface, this pad serves as SA0 to distinguish the different address of OLED driver.
10	D0	When the serial interface is selected, then D0 serves as the serial clock input pad (SCL) and D1 serves as the serial data input pad (SI). At this time, D2 to D7 are set to high impedance.
11	D1	When the I2C interface is selected, then D0 serves as the serial clock input pad (SCL) and D1 serves as the serial data input pad (SDA). At this time, D2 to D7 are set to high impedance.
12	VSS	Ground.
13	NC	Not connected.

Product Feature and Application of the 0.96 inch OLED Display

Due to controller's built-in voltage generation, only a single 3.3V power supply is needed. Because the display makes its own light, no backlight is required. This reduces the power required to run the OLED and is why the display has such high contrast, extremely wide viewing angle and extremely operating temperature. The fpc is the soldering type, no need connector. Just solder the FPC on your PCB directly.

It's easily controlled by MCU such as 8051, PIC, AVR, ARDUINO, ARM and Raspberry Pi. It can be used in any embedded systems, industrial device, security, medical and hand-held device.

APPLICATION



Product OLED Lifetime of the 0.96 inch OLED Display

ITEM	Conditions	Min	Typ	Remark
Operating Life Time	Ta=25℃ / Initial 50% check board brightness Typical Value	20,000 Hrs	—	Note

Notes:

1. Life time is defined the amount of time when the luminance has decayed to <50% of the initial value.
2. This analysis method uses life data obtained under accelerated conditions to extrapolate an estimated probability density function (pdf) for the product under normal use conditions.
3. Screen saving mode will extend OLED lifetime.

Product Quality Control of the 0.96 inch OLED Display

Before package and shipment, the original products will be tested one by one by our technicians and QC team to make sure the quality of every product is good.

We will test goods strictly according to our standard inspection before shipment.

Delivery, shipping and Severing of the 0.96 inch OLED Display

- 1) .Payment Terms: T/T, Western Union.
- 2). Shipping: Prompt delivery by UPS, EMS, DHL, TNT, FedEx, or by air.
- 3). Delivery time: 3 days for goods in stock, 3-4 weeks for mass production goods.
- 4). Packaging Details: Packed in anti-static bags with foam box to ensure safety in transportation.
- 5). Delivery Details: 1 to 30 days. The delivery fee is up to the weight and volume of the products.
- 6). Samples: Our company offers samples for quality test or other business purposes, but we kindly ask you to pay for samples and the freight.

FAQ

Q: What is the MOQ?

A: Generally if you choose the different products, our MOQ also will be different.

Q: What about the delivery time?

A: The LCD products need 3-4 weeks to be made after receive deposit.

Q: Does your product have any warranty?

A: Yes, we offer 12 months warranty for our products. Damage due to misuse, ill treatment and unauthorized modifications and repairs are not covered by our warranty.

Q: What's your payment method?

A: We usually accept the payment methods include T/T, Western Union. 50-100% deposit in advance and balance before shipping upon the payment amount. Buyer can choose which payment ways that you accept.

Q: What's your shipping method?

A: We provide comprehensive shipping methods.

For small quantity orders we ship by UPS Air-Express, or DHL/FEDEX/TNT/EMS Express service, it is safe and fast.

For large quantity orders we ship by buyer's cargo agent in China, we can also ship by Air transportation or sea transportation.

Q: Do you offer custom solution?

A: Yes, we can offer custom solution if standard products couldn't meet buyer' requirements.

Latest News