1.3 inch OLED Display

1.3 inch OLED Display, White PM OLED Screen, Number of Pixels: 128x64, Driver IC SH1106G, 30 pins FPC, 6800/8080 8-bit parallel and I2C/3-wire/4-wire serial interface, used in any embedded systems, industrial device, security, medical and hand-held device.The following is about 1.3 inch OLED Display related, I hope to help you better understand 1.3 inch OLED Display.

Product Description

Product instruction of the 1.3 inch OLED Display

We supply 1.3 inch OLED Display which is the graphic OLED display module made of 128x64 white OLED pixels,diagonal is only 1.3 inch.The controller IC SSD1306, communicates via controller IC SH1106G.

Product Specification of the 1.3 inch OLED Display

Item	Dimension	Unit
Dot Matrix	128x64 Dots	—
Module dimension	34.50x23.00x1.65	mm
Active Area	29.42x14.20	mm
Pixel Size	0.205x0.197	mm
Pixel Pitch	0.230x0.222	mm
Display Mode	Passive Matrix	
Display	Color White	
Drive Duty	1/64 Duty	
IC	SH1106G	
Interface	6800/8080/3-SPI /4-SPI / I2C	

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Size	1.28inch

Product Picture of the 1.3 inch OLED Display

Product Drawing of the 1.3 inch OLED Display

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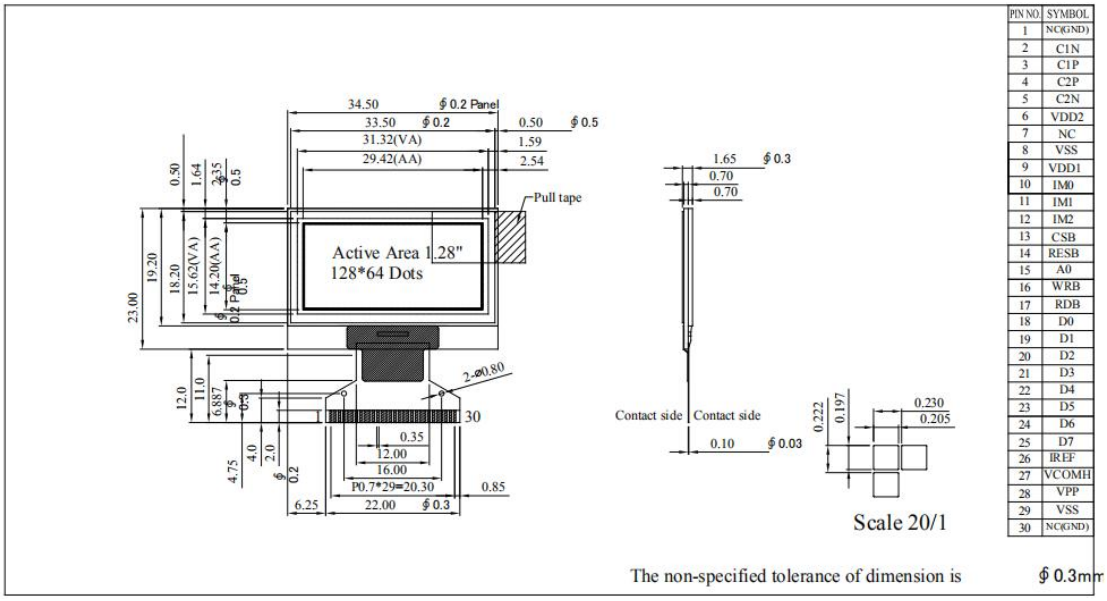

PIN NO.	SYMBOL
1	NC(GND)
2	C1N
3	C1P
4	C2P
5	C2N
6	VDD2
7	NC
8	VSS
9	VDD1
10	IM0
11	IM1
12	IM2
13	CSB
14	RESB
15	A0
16	WRB
17	RDB
18	D0
19	D1
20	D2
21	D3
22	D4
23	D5
24	D6
25	D7
26	IREF
27	VCOMH
28	VPP
29	VSS
30	NC(GND)

Product Interface Pin Function of the 1.3 inch OLED Display

<table>
<tr><th>No.</th><th>Symbol</th><th>Function</th></tr>
<tr><td>1</td><td>NC(GND)</td><td>No connection</td></tr>
<tr><td>2</td><td>C1N</td><td rowspan="2">Connect to charge pump capacitor.
These pins are not used and should be disconnected when Vpp is supplied externally.</td></tr>
<tr><td>3</td><td>C1P</td></tr>
<tr><td>4</td><td>C2P</td><td rowspan="2">Connect to charge pump capacitor.
These pins are not used and should be disconnected when Vpp is supplied externally.</td></tr>
<tr><td>5</td><td>C2N</td></tr>
<tr><td>6</td><td>VDD2</td><td>3.0 – 4.7V power supply pad for Power supply for charge pump circuit.
This pin should be disconnected when VPP is supplied externally</td></tr>
<tr><td>7</td><td>NC</td><td>No connection</td></tr>
<tr><td>8</td><td>VSS</td><td>Ground.</td></tr>
<tr><td>9</td><td>VDD1</td><td>Power supply input: 1.65 - 3.5V</td></tr>
<tr><td>10</td><td>IM0</td><td rowspan="3">These are the MPU interface mode select pads.
<table>
<tr><th></th><th>8080</th><th>I²C</th><th>6800</th><th>4-wire SPI</th><th>3-wire SPI</th></tr>
<tr><td>IM0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td></tr>
<tr><td>IM1</td><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td></tr>
<tr><td>IM2</td><td>1</td><td>0</td><td>1</td><td>0</td><td>0</td></tr>
</table></td></tr>
<tr><td>11</td><td>IM1</td></tr>
<tr><td>12</td><td>IM2</td></tr>
<tr><td>13</td><td>CSB</td><td>This pad is the chip select input. When CSB = “L”, then the chip select becomes active, and data/command I/O is enabled.</td></tr>
<tr><td>14</td><td>RESB</td><td>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.</td></tr>
<tr><td>15</td><td>A0</td><td>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.</td></tr>
<tr><td>16</td><td>WRB</td><td>This is a MPU interface input pad.
When connected to an 8080 MPU, this is active LOW. This pad connects to the 8080 MPU WR signal. The signals on the data bus are latched at the rising edge of the WR signal.
When connected to a 6800 Series MPU: This is the read/write control signal input terminal.
When R/W = “H”: Read.
When R/W = “L”: Write.</td></tr>
</table>

Product Feature and Application of the 1.3 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 of the 1.3 inch OLED Display is the soldering type,no need connector. 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 1.3 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 1.3 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.

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Delivery, shipping and Severing of the 1.3 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

Recommendations

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