

Transparent 128x64 Graphic STN COG LCD Display with Customized Size for Smart Wearables

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.78-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 300000/MONTH



Product Specification

- Screen Size: Customized
- Display Technology: LCD
- Touch Screen: Customized
- Operating Temp: -20°C~70°C
- Display Mode: Negative
- Module Size: 53x44x2.0 Mm
- Va Size: 50x39.3 Mm
- Driving Method: 1/64 Duty, 1/9 Bias
- Highlight: **128x64 Resolution LCD Display ,
Transparent Display Graphic STN COG LCD ,
Customized Size Transparent LCD**



Product Description

Transparent 12864 Graphic STN COG LCD Display

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Detailed Parameters

Product Name	128x64 COG Module
Viewing Direction	6 O'clock
Module Size	53x44x2.0 mm
V/A Size	50x39.3 mm
Dot Size	0.26mm(L)*0.32mm(W)
Driving Method	1/64 Duty, 1/9 Bias
Display Mode	Negative
Operating Voltage	3.0~5.0V
Operating Temp	-20°C~70°C
Storage Temp	-30°C~80°C

Transparent 12864 graphics STN COG liquid crystal display is a small graphic display module with semi-transparent characteristics that allow light to penetrate the screen, creating a unique visual effect.

Product Introduction

This display features a resolution of 128*64 pixels using STN (Super Twisted Nematic) technology. The COG (Chip-on-Glass) process integrates the driving chip directly onto the glass substrate, reducing module size and enhancing structural integration. The module connects via flexible FPC wiring with SPI or I²C interfaces, operates at 3.3V with low power consumption, and maintains stable performance from -20°C to 70°C.

Product Features

- Transparent display capability with semi-transparent effect
- Compact size and lightweight design
- Low power consumption operation
- Supports graphics and text display
- Optimized for static and low-speed dynamic content
- Cost-effective solution
- Compatible with most small device hardware designs

Applications

- Smart wearable devices: Smart watches with transparent dials and health bands displaying time and exercise data
- Smart home devices: Transparent panel switches and temperature/humidity displays
- Portable instruments: Handheld detection meters and mini oscilloscopes
- Consumer electronic accessories: Bluetooth speakers and power banks with status display panels



Frequently Asked Questions

I want the LCD display 8 digits and the outline size is 65x30x2.8mm?

No problem. Please send us your specification or drawing. If you don't have specifications, you can provide samples and we'll recommend suitable products or customize based on your requirements.

This LCD is just what we want, but it is big size, do you have any smaller size? And the display content need to be changed a little.

For segment type LCD modules requiring size or display content modifications, we need to create new tooling for a custom LCD glass module.

This LCD display is HTN type, but I want STN type, can you make?

Yes, we can change the display type to STN as per your request.

I want to customize a new LCD module. Can you do?

Yes, we can customize LCD modules. Please send your drawing or provide specifications including outline size, display information, glass thickness, polarizer type, display type, connector mode, storage temperature, operating temperature, supply voltage, viewing direction, and drive conditions.

What is leading time for tooling?

Typically 15 to 25 days after drawing confirmation and tooling charge payment. We'll provide exact timing upon drawing confirmation.

Can you send us samples for checking?

Yes, sample orders are available.

What is the Leading Time?

For standard products in stock: 1 day after payment. For mass production of special orders: approximately 15-30 days. We'll notify you if we can complete earlier.



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