

## COG LCD Display with SPI Interface, 128x64 Resolution, and 6 O'clock Viewing Angle for Industrial Applications

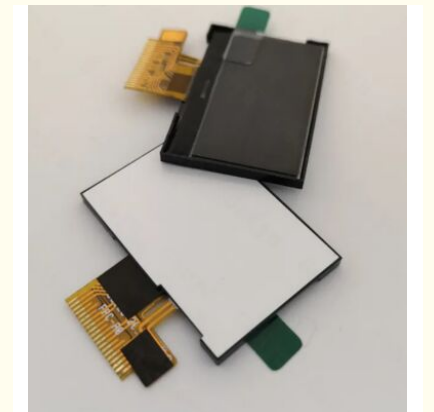
### Basic Information

- 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

- LED Backlight: White, 2PCS
- Resolution: 128x64
- Controller: ST7033
- Storage Temperature: -30 To 80
- Response Time: 5 Ms
- Viewing Angle: 6 O'clock
- Highlight: **COG LCD segment display ,  
FPC VA LCD display , SPI interface LCD display**



## Product Description

### COG FPC VA LCD Segment Display White On Black SPI Interface

#### Technical Specifications

Parameter	Specification
LCD Type	VA, Negative
Viewing Angle	6 O'clock
Operating Temperature	-20°C to +70°C
Voltage	3.3V
Connector	COG + FPC
Driver IC	ST7033

#### Detailed Parameters

Module Size	35.9(W) × 24.4(H) × 2.5(T) mm	Display Mode	VA, Negative
LCD Viewing Area	31.5(W) × 16.0(H) mm	Driver IC	ST7033
Operating Temperature	-20°C to +70°C	LED Backlight	White, 2PCS
Drive Method	1/4 Duty, 1/2 Bias	Working Voltage	3.3V
Viewing Angle	6 O'clock	Connection Method	COG + FPC

#### Product Overview

The COG FPC VA LCD segment display with white on black SPI interface is a highly integrated, low-power consumption display module designed for industrial and commercial applications.

#### Key Technologies

**COG Technology:** Chip-on-Glass integration for compact size, enhanced stability, and superior display quality

**FPC Connection:** Flexible printed circuit for versatile installation in various environments

**VA LCD Display:** Vertical alignment technology delivering high contrast and wide viewing angles

**Black & White Display:** Optimized for clarity and contrast with low power consumption

**SPI Interface:** High-speed serial communication for easy integration with microcontrollers

#### Customization Options

**Segment Layout:** Custom numeric, alphanumeric, or icon-based displays

**Backlighting:** LED integration for enhanced visibility in low-light conditions

**Display Size & Resolution:** Available in various sizes from wearables to industrial equipment

**Temperature Range:** Customizable for extreme environmental conditions

**Interface Options:** SPI, I<sup>2</sup>C, or parallel interfaces for flexible system integration

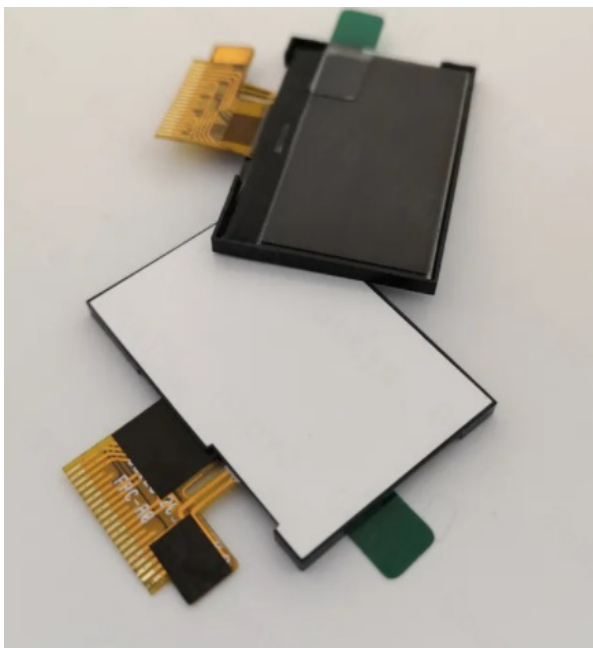
#### Applications

**Industrial Control:** Temperature controllers, pressure meters, and equipment panels

**Medical Equipment:** Blood glucose meters, blood pressure monitors, and diagnostic devices

**Portable Instruments:** Handheld terminals, data collectors, and field measurement tools

**Consumer Electronics:** Smart home devices, electronic toys, and interactive interfaces



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## Frequently Asked Questions

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

Yes, we can accommodate your requirements. Please provide your specifications or drawings. If you don't have specifications, we can recommend suitable options based on your samples or customize to your specific requirements.

**This LCD is what we want, but the size is too large. Do you have smaller sizes? We also need minor display content modifications.**

For segment type LCD modules requiring size or content modifications, we will create a new LCD glass module with custom tooling.

**This LCD display is HTN type, but I want STN type. Can you produce this?**

Yes, we can modify the display type according to your specifications.

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

Absolutely. Please provide your drawing or specifications including outline size, glass thickness, polarizer type, display type, connector mode, temperature ranges, supply voltage, viewing direction, and drive conditions.

**What is the lead time for tooling?**

Typically 15-25 days after drawing confirmation and tooling payment. We will provide exact timelines upon drawing approval.

**Can you send samples for evaluation?**

Yes, sample orders are available for testing and verification.

**What is the lead time for production?**

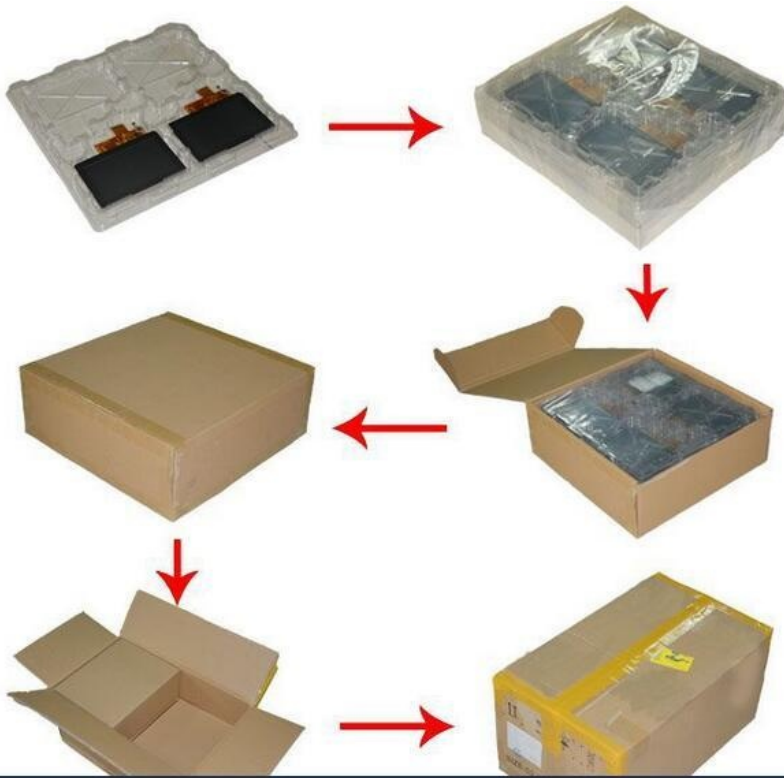
For standard products in stock: 1 day after payment. For mass production of custom orders: 15-30 days. We will notify you if we can complete earlier.

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## Packaging & Shipping

### Packaging

Carton boxes, cupboard, EPE, blister tray. Packaging method depends on product size and customer requirements, with consideration for international shipping regulations.



### Shipping

Express services including DHL, FedEx, EMS, UPS, plus air and sea shipping options. We accommodate your preferred shipping method.

					
2-7days	2-8days	2-7days	3-15days	2-5days	2-7days
<b>Notice</b>	<ol style="list-style-type: none"><li>1. EMS for Brazil, Russia and Remote areas .</li><li>2. SF for Hong Kong, Taiwan, South Korea, Japan, Thailand, Singapore and Malaysia .</li><li>3. Having logo product can't be sent by FEDEX .</li><li>4. The Brazil want to use FEDEX/DHL , need to offer CNPJ / CPF to us !</li></ol>				

### Payment Methods



### Our Services

- Free repair within one year after product shipment
- Replacement within 30 days for product-related issues
- Custom logo printing and model number application
- Competitive shipping rates through established logistics partnerships
- Professional technical support and responsive after-sales service
- Comprehensive quality control with engineer testing before shipment
- 24-hour response time for customer inquiries and support
- Full customization capabilities for all types of LCD displays



**Dongguan Bibuke Electronic Technology Co., Ltd.**

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+8613711912723



Jack@smartwinlcd.cn



lcdftscreen.com

Shangyu Commercial Centre Chang'an, Dongguan, Guangdong, China 523881