

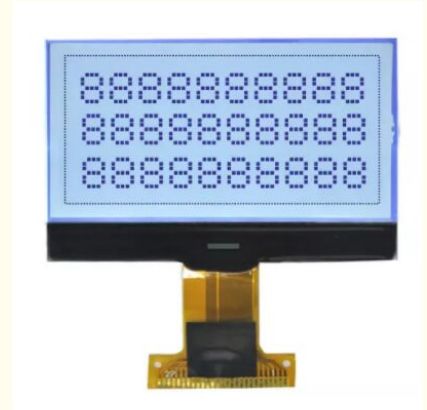


## 7 Segment 12864 Dot Matrix LCD Display with 6 O'clock Viewing Direction and ST7567s IC

Our Product Introduction

### 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

- Connectivity: FPC
- V Area Size: 41\*32.5mm Or Custom
- Light Source: White LED\*6
- Size: 45.1\*38.2mm\*0.7mm Or Custom
- Viewing Direction: 6 O'clock Or 12 O' Clock
- Touch Screen: No
- Polarizer Type: Transflective/Transmissive/Reflective
- IC: ST7567s
- Highlight: **7 Segment LCD Display ,  
6 O'clock Viewing Direction LCD ,  
ST7567s IC LCD Display**



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## 7 Segment COG 12864 Dot Matrix Lcd Screen Monochrome FSTN Display

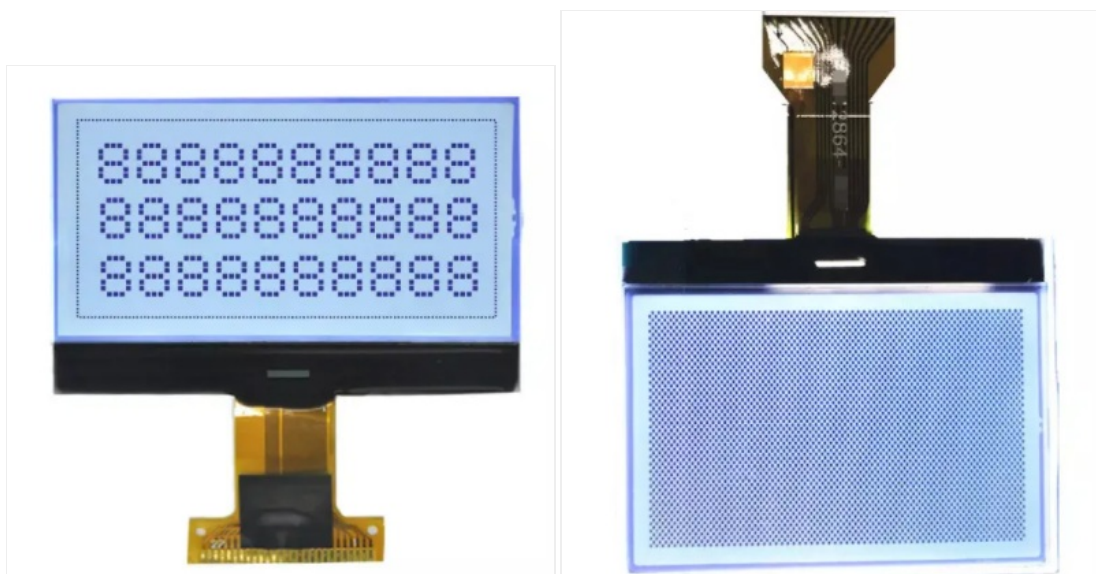
### Product Overview

High-performance monochrome FSTN display combining 7-segment digital and 128x64 dot matrix capabilities for versatile information presentation.

### Technical Specifications

Type	Dot Matrix LCD
Storage Temperature	0~50, -10~60, -20~70 , -30~80
Voltage	2.8~5.0V
Connector	FPC
Driving Method	Custom
Polarizer Type	Transflective/Transmissive/Reflective

Item	Content	Description
1	LCD Type	12864 COG LCD
2	Outline Size	45.1*38.2mm*0.7mm or Custom
3	VA Size	41*32.5mm or custom
4	Viewing Direction	6 or 12 O'clock
5	Voltage	2.8V,3.0V,3.2V,3.6V,4.0V,4.5V,5.0V
6	IC	ST7567s
7	Operation Temp	0°C TO +50°C,-10°C TO +60°C,-20°C TO +70°C
8	Storage Temp	-10°C TO +60°C, -20°C TO +70°C,-30°C TO +80°C
9	Contact	FPC



### Key Features

#### 1. Basic Display Specifications

Dual display modes: 7-segment digital tube and 128x64 dot matrix graphic display

FSTN LCD technology with 120° horizontal / 90° vertical viewing angle  
Contrast ratio ≥ 300:1 with response speed ≤ 100ms  
Multiple color options including black/white, blue/white, green/black, yellow/black  
Semi-transmissive/reflective mode for outdoor visibility

## 2. COG Packaging Advantages

Ultra-thin design (2.8-6.5mm thickness)  
30% smaller volume compared to COB packaging  
High reliability with ESD resistance up to 8KV  
Reduced signal transmission loss and failure probability

## 3. Electrical and Interface Parameters

ST7565/ST7567 driver chips with SPI serial or 8-bit parallel interface  
Working voltage: 3.3V with power consumption ≤ 100mW  
Sleep current ≤ 1μA  
Built-in LED backlight (≥100cd/m<sup>2</sup> brightness, ≥50,000 hours life)  
Wide temperature range: -20 ~70 (industrial models: -30 ~80 )

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## Application Scenarios

### Industrial Instruments and Meters

Multimeters, infrared thermometers, pressure gauges, frequency counters with continuous 24-hour operation capability.

### Consumer Electronic Devices

Electronic scales, coffee machines, microwave ovens, Bluetooth speakers with compact control panel requirements.

### Medical and Health Devices

Blood pressure monitors, blood glucose monitors, oxygen saturation monitors with clear data presentation needs.

### Automotive and IoT Devices

Tire pressure monitoring systems, driving recorders, smart home control panels requiring shock resistance.

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## Our Services

1-year free repair service  
30-day replacement for defective products  
Custom logo and model number printing  
Professional technical support and after-sales service  
Rigorous QC/QA inspection before shipment  
Custom LCD display solutions available

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## FAQ

### Can you customize the LCD display size and content?

Yes, we can customize based on your specifications or samples. New tooling is required for modified designs.

### Can you change the LCD type (e.g., from HTN to STN)?

Yes, we can modify the LCD type according to your requirements.

### What is the lead time for custom orders?

Standard products ship in 1 day if in stock. Custom orders typically take 15-30 days after drawing confirmation.

### Do you provide samples?

Yes, sample orders are available for evaluation.



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