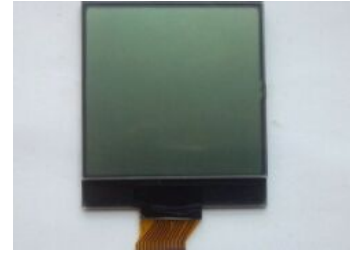


COG LCD Module with 128x64 Resolution FSTN Display Mode and Wide Temperature Range for Industrial Applications

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

- Resolution: 128x 64 Pixels
- Display Mode: FSTN
- Controller: S6B0724
- Connector: COG+FPC, 10pin
- Production Technology: COG
- Display Type: COG (Chip On Glass)
- Highlight: **COG LCD module FSTN 12864, 128x64 resolution LCD display, wide temperature COG LCD**



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Product Description

COG LCD Module FSTN 12864 Graphic Wide Temperature 128×64 Resolution

High-performance COG LCD module featuring FSTN display technology with 128×64 resolution and wide temperature operation range.

Technical Specifications

Resolution	128×64
Display Mode	Transflective
Display Type	STN Positive
Viewing Direction	6 O'clock
Outline Size	79.05 × 39.5 × 8.24 mm
Viewing Size	53.6 × 28.6 mm

Detailed Product Parameters

Item	Content	Description
1	Display Model	Positive
2	Display Type	STN
3	Polarizer Type	Transflective
4	Viewing Angle	6 o'clock
5	Driving Method	1/64 duty, 1/9 bias
6	Interface	Parallel + BL
7	Backlight	LED Backlight
8	Driver IC	S6B0724
9	Voltage	3.3V

What is COG LCD Technology?

COG (Chip On Glass) LCD technology involves mounting the controller chip directly onto the LCD glass substrate, eliminating the need for a separate PCB. This innovative approach consists of three main components: the glass panel, the controller driver chip, and the connecting cable.

Compared to traditional COB (Chip On Board) displays, COG modules typically offer cost advantages and enhanced reliability. Without being mounted to a circuit board, COG displays utilize double-sided tape for chassis mounting in manufacturing applications.

Product Introduction

Display Characteristics

FSTN (Fringe Stacked Thin Film Transistor) display mode provides high contrast ratios and wide viewing angles, ensuring clear visibility from multiple perspectives. The black background with white pixels design combines reflection and transmission characteristics, utilizing ambient light in bright conditions while incorporating backlighting for optimal readability in low-light environments.

Packaging Technology

Utilizing advanced COG (Chip On Glass) technology, the driving chip is directly encapsulated on the glass substrate, resulting in compact module dimensions, enhanced reliability, and reduced electromagnetic interference.

Physical Dimensions

Available in various form factors to suit different application requirements. Standard outline size is 79.05×39.5×8.24mm, with viewing area of 53.6×28.6mm.

Interface Options

Supports multiple interface protocols including SPI, I2C, and parallel port configurations, ensuring compatibility with various microcontrollers such as Arduino and C8051 for seamless integration into diverse electronic systems.

Operating Parameters

Operating voltage ranges from 3.3V to 5.0V depending on model specifications. Designed for reliable performance across a wide temperature range of -20 to 70 , suitable for most conventional operating environments.

Product Applications

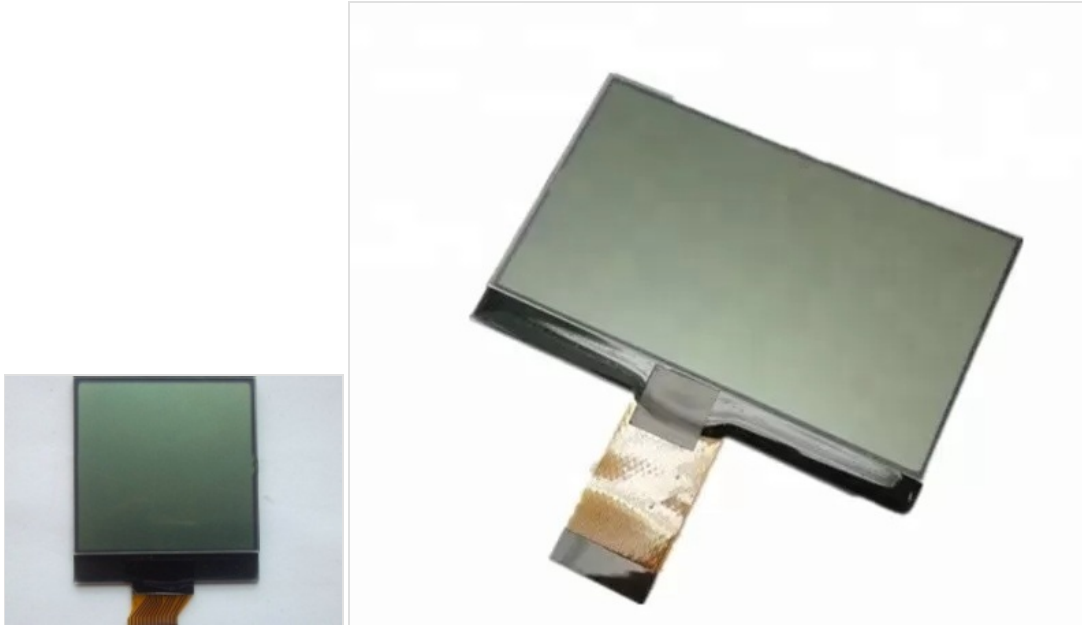
Industrial Control: Automated production lines, machinery control panels displaying operational status and parameter settings

Instrumentation: Multimeters, oscilloscopes, blood glucose meters for detailed data and waveform display

Medical Equipment: Patient monitoring systems, diagnostic instruments requiring high precision and stability

Automotive Electronics: Dashboard displays, in-vehicle multimedia systems with wide temperature tolerance

Smart Home: Smart meters, temperature controllers providing intuitive user interfaces



Production Equipment





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