



FSTN Positive 128x64 LCD Graphic Display with 3.3V Operating Voltage and SPI Interface in COG Packaging

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

- Operating Voltage: 3.3V
- Backlight Type: LED
- Interface Types: SPI
- Technology: LCD
- Driver Method: 1/64 Duty Cycle, 1/9 Bias
- Fpc Connect: 12 Pins
- Screen Size: Customized
- Display Mode: Normal White
- Highlight: **3.3V Operating Voltage FSTN LCD Display , SPI Interface 128x64 LCD Module , COG Packaging Graphic LCD Screen**



FSTN Positive 128x64 LCD Graphic Display

General Specification

Product:	FSTN 12864 LCD	Resolution:	128x64 Graphics
LCD Type:	FSTN, Transflective, Positive	Optics:	6:00
Outline Dim.:	32.5(L)*24(W)*3(H) Mm	Driving Method:	1/64 Duty Cycle, 1/9 Bias
Operating Temp:	-10°C To +60°C (Customizable)	Pin Number:	12 Pins
Controller:	ST7565R Or Equivalent	Interface:	SPI
Connector:	FPC (Customizable)	Compliance:	REACH & RoHS Compliant

FSTN positive electrode 128x64 liquid crystal graphic display with COG 3.3V SPI interface, white backlight, is a common liquid crystal display module.

Product Introduction

Display Technology: FSTN (Film + STN) is based on STN liquid crystal display technology. By adding a compensation film, it eliminates the dispersion problem and can achieve black and white display with high contrast ratio and wide viewing angle characteristics.

Resolution: 128x64 indicates that the liquid crystal display has 128 pixels in the horizontal direction and 64 pixels in the vertical direction, which can be used to display simple graphics, text, and other information.

Packaging Form: COG (Chip on Glass) means that the chip is directly encapsulated on the glass substrate. This packaging method has the advantages of high integration, low power consumption, and high reliability, which can reduce the module size and improve the stability of display performance.

Working Voltage: The 3.3V working voltage makes it have the characteristic of low power consumption, suitable for devices with strict power consumption requirements.

Interface Type: SPI (Serial Peripheral Interface) interface is a serial communication interface, which has the advantages of few pins, fast communication speed, and simple protocol, facilitating connection and communication with microcontrollers and other master devices.

Backlight: Equipped with a white backlight, it can provide clear display effects in dim light environments, facilitating users to view screen content.

Product Applications

Instrumentation: Can be used for the display of various instruments, such as multimeters, oscilloscopes, thermometers, etc., clearly displaying measurement data and related information.

POS Terminal: In POS terminal devices such as cash registers, used to display product information, transaction amounts, operation prompts, etc.

Handheld Devices: Such as handheld data collectors, portable printers, etc., convenient for users to view and operate the device while moving.

Sensor Devices: Combined with various sensors, it displays the data collected by the sensors, such as temperature, humidity, air quality data in environmental monitoring devices.

Medical Equipment: In some medical instruments such as blood glucose meters, blood pressure monitors, etc., used to display measurement results and related prompt information.



Frequently Asked Questions

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

No problem. Firstly, please kindly send us your specification/drawing paper. If you have not the specification, you can also provide your samples; we will recommend the suitable one if it is standard products. Or we can customize for you based on your own requirement.

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 the segment type LCD module, if you need modify the outline size or display content, a new LCD glass module is need. We have to open new tooling for you.

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

That's all right. We can change for you as per you request.

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

Yes, we can. Please send your drawing paper. If you have not, please advise me the outline size of the LCD display, display information (Glass thickness, Polarizer, Display Type, Connector mode, Storage Temp. Operating Temp. Supply Voltage, Viewing direction, drive condition), we can customize for you.

What is leading time for tooling?

General speaking, it will cost 15 to 25 days after drawing paper confirmation and tooling charge payment, we can report you the exact time when you confirm the drawing paper.

Can you send us samples for checking?

Yes. Samples order is available.

What is the Leading Time?

If we have stock for the standard ones, the leading time is one day after payment. If it is the mass production for special ones, the leading time is about 15-30 days. Suppose we can finish earlier, we will report the information in advanced.



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