



Custom VA LCD Display with Transflective/Transmissive/Reflective Polarizer and Static/Dynamic Driving Method for Pin/Zebra/FPC Connectors

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO90001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-47WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



Product Specification

- Led: White
- Viewing Direction: 6 O'clock
- Screensize: Customized
- Polarizer Type: Transflective/Transmissive/Reflective
- Lcd Type: VA Lcd Display
- Connectors: Pin, Zebra Or FPC
- Polarizer Type: Static/Dynamic
- Backlight: With Or Without
- Highlight: **Transflective/Transmissive/Reflective Polarizer VA LCD Display**
,
Static/Dynamic Driving Method 7 Segment LCD Display
,
Pin/Zebra/FPC Connectors Custom LCD Display



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Product Description

Customize 7 Segment LCD Display, OEM ODM Customized VA LCD Display

Product Details

Type:	VA LCD Display
Storage Temp:	-30--+80
Voltage:	5.0 V
Connector:	Pin Or Zebra
Driving Method:	Static/Dynamic
Polarizer Type:	Transflective/Transmissive/Reflective

Product Specifications

ITEM	CONTENT	DESCRIPTION
1	Lcd Type	TN, HTN, FSTN, VA, DFSTN ,STN Lcd Display
2	Outline Size	Customized
3	VA Size	Custom
4	Viewing Direction	6 O'clock or 12 O ' clock
5	Voltage	2.8V,3.0V, 3.2V,3.6V,4.0V,4.5V,5.0V
6	Display Mode	Positive or Negative
7	Backlight	With or without
8	Operation temp	0°C TO + 50°C,-10°C TO + 60°C,-20°C TO + 70°C,
9	Storage temp	- 10°C TO + 60°C, - 20°C TO + 70°C,-30°C TO + 80°C,- 35°C TO + 90°C
10	Contact	Pin, Zebra or FPC



The custom 7-segment VA liquid crystal display is a customized display product that combines a 7-segment display structure with VA liquid crystal technology. It supports deep customization in OEM/ODM mode, featuring high contrast, low power consumption, and strong adaptability. It is the core display component for industrial and civilian intelligent devices.

Product Core Characteristics

Display Technology and Structure

It adopts VA (vertical alignment) liquid crystal technology to achieve high-contrast display with black background and white text, providing visual clarity far exceeding traditional TN screens. It can also be clearly recognized in low-light conditions.

7-segment structure is specifically designed for digital and simple symbol display. It can be customized for decimal points, unit symbols (such as %, etc.), and can also be expanded into an 8-character temperature/time period code screen.

Customization Capability (OEM/ODM)

Appearance Customization: The size can be adjusted according to the device space (such as a mini model of 35.64×37.64×2.8mm), display direction (6/3/12/9 hour viewing angle), and backlight color (white or custom).

Interface and Driver Customization: It supports dual-line serial / SPI/I2C / metal pins and other interfaces. The driver can be adapted to 1/4 duty ratio, 1/3 bias and other technical parameters, and can also provide software and hardware system design support.

Environmental Adaptation Customization: The working temperature can be customized to -20 to +60 , meeting the requirements of industrial and outdoor special scenarios.

Performance Advantages

Low power consumption, suitable for long-term operation devices; certified by RoHS, ISO, etc., in line with environmental protection standards. It adopts COB/COG/TAB packaging methods, with a small size and high stability. Sample prototyping only takes 3-7 working days, and the production cycle is flexible.

Main Application Scenarios

Smart Home and Household Appliances: Devices such as thermostats, air purifiers, rice cookers, etc., used for displaying temperature, time, and operation mode; smart locks, weighing scales use it to display passwords, weight values, etc.

Instrumentation and Measuring Equipment: Electric energy meters, gas meters, multimeters, etc., precisely display values, units, and working status; industrial instruments such as mine gas detectors, swimming pool pH value testers also rely on its stable display.

Medical and Health Equipment: Thermometers, blood pressure monitors, blood glucose meters, etc., used to display test data, with high-contrast design ensuring quick reading by medical staff and users.

Industrial Control and Small Electronic Devices: Industrial equipment such as incubators, timers, handheld terminals, and civilian small appliances such as calculators, electronic clocks can all achieve core information display through the customized 7-segment VA screen.

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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