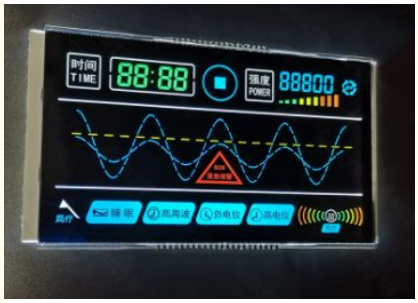
Customizable VA LCD Display with 40 PIN Connector and 6 O'clock Viewing Angle

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

- Connectors: PIN, 40 Numbers
- Lcd Polarizer: Transmissive
- Backlight Type: LED
- Voltage: 4.5 V
- Outline Dimension: 151(W)* 92(H)* 2.8(T) Mm
- Type: VA LCD Display
- Storage Temp: -20~70
- Active Area: 148(W)* 85(H) Mm
- Highlight: **Customizable VA LCD Display**, **40 PIN VA LCD Module**, **6 O'clock VA LCD Panel**

Product Description

Color Segments White Backlight VA LCD Display 40 PIN 6 O'clock

Product Overview

VA LCD Display with color segments and white backlight featuring 40 PIN interface and optimal viewing at 6 o'clock position.

Key Advantages of VA LCD Technology

Exceptional Black Levels: Ideal for applications requiring deep blacks and high contrast, such as professional imaging and multimedia displays.

Energy Efficiency: More power-efficient than IPS panels, particularly in static display applications.

Cost-Effective Performance: Offers an optimal balance between performance and cost compared to IPS panels.

Technical Specifications

Outline Dimension	151(W) × 92(H) × 2.8(T) mm	**Display Mode**	VA, Negative
LCD Viewing Area	148(W) × 85(H) mm	**Polarizer Type**	Transmissive
Driver IC	/	**LED Backlight**	White
Drive Method	1/4 Duty, 1/3 Bias	**Working Voltage**	4.5V
Viewing Angle	6 O'clock	**Connection Way**	PIN, 40 numbers
Operate Temperature	-10 ~ +60	**Storage Temperature**	-20 ~ +70

Technology Explained

Color Segment Display: This LCD type forms simple patterns like numbers and characters by activating specific segments. Color effects are achieved through screen-printed colored glass sheets (yellow, green, blue, red, etc.).
White Backlight: Enhances visibility in low-light conditions using series-connected LEDs requiring higher driving voltage.
VA Technology: Vertical Alignment mode offers full viewing angles, high contrast, and excellent outdoor visibility.
40 PIN Interface: Provides connection points for signal transmission and power supply to driving circuits.
6 O'clock Viewing: Optimal viewing direction is from below the display, minimizing distortion and color shift.

Product application

Industrial Control: In industrial equipment such as control panels and instruments, it is usually necessary to view the display content from an upward angle at a certain position. A VA liquid crystal display with a 6 o'clock viewing angle can meet this requirement. Its high contrast ratio and clear display effect can ensure that operators in industrial environments can accurately read data and information.
Vehicle Display: It can be used in vehicle navigation systems and vehicle dashboards. During driving, drivers usually look down or straight ahead at the vehicle display. A 6 o'clock viewing angle display is convenient for drivers to view information, and the high contrast ratio of the VA liquid crystal display can provide good display effects under different light conditions.
Consumer Electronics: Such as calculators and electronic clocks. These products are usually placed on the desktop or handheld for use. Users need to look down at the screen to view the screen. A 6 o'clock viewing angle display can provide users with a clear visual experience.
Medical Equipment: Some medical instruments, such as blood glucose meters and blood pressure monitors, also use this type of display. When used by medical staff or patients, they usually look down to view the data. This display can meet their requirements for clear display

and contrast.

Frequently Asked Questions

Can you provide an LCD display with 8 digits and outline size of 65×30×2.8mm?

Yes. Please provide your specifications or drawings. If unavailable, we can recommend suitable standard products or customize based on your requirements.

Can this display be made smaller with modified content?

For segment-type LCD modules, size or content modifications require new tooling for a custom glass module.

Can you produce this display in STN instead of HTN type?

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

Do you offer custom LCD module development?

Yes. Please provide drawings or specifications including outline size, display parameters (glass thickness, polarizer type, connector mode, temperature ranges, voltage, viewing direction, drive conditions).

What is the tooling lead time?

Typically 15-25 days after drawing confirmation and tooling payment. Exact timing will be confirmed upon order.

Can you provide samples?

Yes, sample orders are available for standard products.

What is the production lead time?

Standard products: 1 day after payment if in stock. Custom products: 15-30 days for mass production. We'll notify you if we can complete earlier.

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