

## High Contrast VA LCD Display with 3.6V Operating Voltage and 40PIN Connectivity for Customizable Designs

### 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: Customized
- Backgroundcolor: White
- Outline Dimension: 113(W)\* 75(H)\* 2.8(T) Mm
- Voltage: 3.6 V
- Connectivity: PIN, 40 Numbers
- Polarizer Type: Transmissive
- Viewing Area: 110(W)\* 68(H) Mm
- Drive Method: 1/4 Duty, 1/3 Bias
- Highlight: **3.6V VA LCD Display, 40PIN VA LCD Module, 1/4 Duty 1/3 Bias VA LCD Panel**

## Product Description

### High Contrast VA LCD Display Black Screen Negative White Segments 3.6V 40PIN

#### Key Features

- High Contrast and Vibrancy:** Rich colors on a deep black background for excellent readability.
- Color-Coded Segments:** Supports multiple colors (red, green, blue, or custom) for specific segments or icons, ideal for alerts or status indicators.
- Wide Viewing Angles:** Maintains consistent brightness and color up to 170°, ensuring readability from different perspectives.
- Customizable Design:** Segments can be tailored to display numbers, icons, and graphical elements in distinct colors.
- Integrated Backlighting:** Can include multi-color backlights to enhance visual appeal and usability in low-light environments.

#### Detailed Parameters

Module size	113(W)* 75(H)* 2.8(T) mm	Display mode	VA, Negative
LCD viewing area	110(W)* 68(H) mm	Polarizer type	Transmissive
Operating temp.	-20~+70	LED backlight	White
Drive method	1/4 Duty, 1/3 Bias	Working voltage	3.6V
Viewing angle	6 O'clock	Connection Way	PIN, 40 numbers



#### Product Analysis

- High-contrast VA liquid crystal display:** VA (Vertical Alignment) technology provides high contrast ratios between 2500:1 and 3000:1, delivering clearer dark details, purer blacks, and superior overall picture contrast. This makes it ideal for applications requiring high-quality images like high-end displays and vehicle-mounted displays.
- Black screen with negative white segments:** The deep black background of VA technology provides excellent contrast for negative white segments, where displayed content appears white against the black background. This negative display type enhances visibility and is commonly used in instrument displays and electronic labels.
- 3.6V operation:** This is the operating voltage for the LCD product, ensuring proper display functionality through various voltage signals including VDD (main power supply voltage) and VCOM (common voltage).
- 40PIN interface:** The 40-pin connection provides sufficient signal transmission channels for connecting to motherboards or driving circuits, enabling control and data transmission including image data, control signals, and power supply.

#### Frequently Asked Questions

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

No problem. Please send us your specification/drawing paper. If you don't have specifications, you can provide samples; we'll recommend suitable standard products or customize based on your requirements.

##### This LCD is what we want, but it's too big. Do you have smaller sizes? The display content needs minor changes.

For segment type LCD modules, modifying outline size or display content requires a new LCD glass module with new tooling.

##### This LCD display is HTN type, but I want STN type. Can you make it?

Yes, we can change the type according to your request.

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

Yes, we can. Please send your drawing paper. If unavailable, provide the outline size, display information (glass thickness, polarizer, display type, connector mode, temperature ranges, supply voltage, viewing direction, drive condition), and we can customize for you.

**What is the lead time for tooling?**

Typically 15 to 25 days after drawing confirmation and tooling payment. We'll provide exact timing upon drawing confirmation.

**Can you send samples for checking?**

Yes, sample orders are available.

**What is the lead time?**

For standard products in stock: 1 day after payment. For special mass production: 15-30 days. We'll inform you if we can finish earlier.



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