

## 2.2 Inch VA LCD Display with 5V Negative Driving and 57x29.2x2.0 mm Dimensions for Clear Readability

### 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

- Backgroundcolor: White
- Connectors: PIN
- Connector: PIN, 17 Numbers
- Vop: 5V
- Driving Method: Negative
- Outline Dimension: 57(W)\* 29.2(H)\* 2.0(T) Mm
- LCD Type: Segmented Display
- Active Area: 51(W)\* 26(H) Mm
- Highlight: **2.2 Inch VA LCD Display,**  
**5V Segment LCD Display,**  
**57x29.2x2.0 mm 7 Segment LCD Display**



## 2.2 Inch VA LCD Display 7 Segment White Digits PIN Connect

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### Advantages of Segment LCDs in Thermostats

- **Clear Readability:** The segmented design of the display makes it easy to read temperature settings, even from a distance.
- **Simplicity:** These displays are straightforward and user-friendly, offering just the right amount of information needed (e.g., temperature, mode) without unnecessary complexity.
- **Energy Efficiency:** Ideal for devices like programmable thermostats or smart thermostats that need to be power-efficient.
- **Cost-Effective:** Segment LCDs are often more affordable to manufacture compared to more complex displays (e.g., full-color or touch screens), making them a popular choice in budget-friendly or mid-range thermostat models.

### Detailed Parameters

Outline Dimension	57(W)* 29.2(H)* 2.0(T) mm	Display mode	VA, Negative
LCD viewing area	51(W)* 26(H) mm	Polarizer type	Transmissive
Driver IC	/	LED backlight	White
Drive method	1/4 Duty, 1/3 Bias	Working voltage	5.0V
Viewing angle	12 O'clock	Connection Way	PIN, 17 numbers
Operate temperature	-20 ~+70	Storage temperature	-30~+80



### Common Applications of Segment LCDs in Thermostats

- **Home Thermostats:** Used in wall-mounted thermostats to control heating, cooling, and air conditioning systems in residential homes.
- **Smart Thermostats:** Although many smart thermostats use full-color touchscreens, some models still utilize segment LCDs to display basic information like current temperature, setpoint, and mode.
- **Industrial and Commercial Thermostats:** Segment LCDs are often used in programmable thermostats designed for commercial buildings, HVAC systems, and industrial environments where simplicity and clarity are prioritized.
- **Portable Thermostats:** In battery-operated or portable devices, segment displays are ideal due to their energy efficiency and clear readability.
- **HVAC Controllers:** Segment LCDs are also commonly used in control panels for HVAC systems, providing users with easy-to-read feedback about system settings and temperature.

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7. Customers satisfactory is most important to us. If you have any problem or questions regarding our transaction, please contact us by Email or online. It will be responded within 24 hours.
8. Products pictures only for your reference. Please kindly refer to the specification. We can provide the products based on the specification, or you can offer your own specification or drawing. We can customize all kinds of LCD displays for you.



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