Customized 7 Segment LCD Display HTN Blue Background White Backlight SMT_HT1621

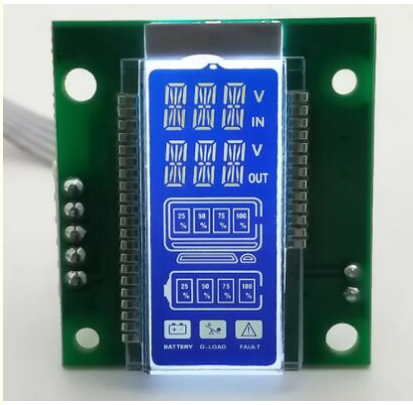
Our Product Introduction

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

- Operating Temperature: -20°C To 70°C
- Voltage: 5V
- Production Capacity: 100000 PC/monthes
- Interface Type: COB+PIN
- Customized: Customized
- Backlight Type: White LEDs
- Storage Temperature: -30°C To 80°C
- Drive Method: 1/4 Duty, 1/3 Bias
- Highlight: **7 segment LCD display HTN blue**, **customized LCD display white backlight**, **7 segment display SMT HT1621**



Product Description

Customized 7 Segment LCD Display HTN Blue Background White Backlight SMT_HT1621

Detail Information

LCD Type:	FSTN, Positive
Viewing Angle:	12 O'clock
Operating Temperature:	-20~+70
Voltage:	5.0V
Backlight:	White
Driver IC:	SMT_HT1621

Applications of HTN LCD Displays:

HTN LCDs are commonly used in applications where **simple numeric or alphanumeric displays** are needed with **clear readability**, **good contrast**, and **wide viewing angles**. Some typical applications include:

Digital Clocks:

- **HTN displays** are ideal for **digital clocks**, as they provide **clear time readouts** with **good contrast** and **legibility** in various lighting conditions.
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Consumer Electronics:

- Used in **calculators**, **appliances**, and **kitchen devices** for **clear numeric displays** and **easy-to-read information**.
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Industrial and Medical Devices:

- **HTN LCDs** are used in **gauges**, **thermometers**, **blood pressure monitors**, and **other measurement tools** that require **simple, easy-to-read numeric or alphanumeric information**.
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Automotive Displays:

- Often found in **vehicle dashboards** and **instrument clusters** to display information like **speed**, **fuel levels**, and **engine diagnostics** in **clear, readable text**.
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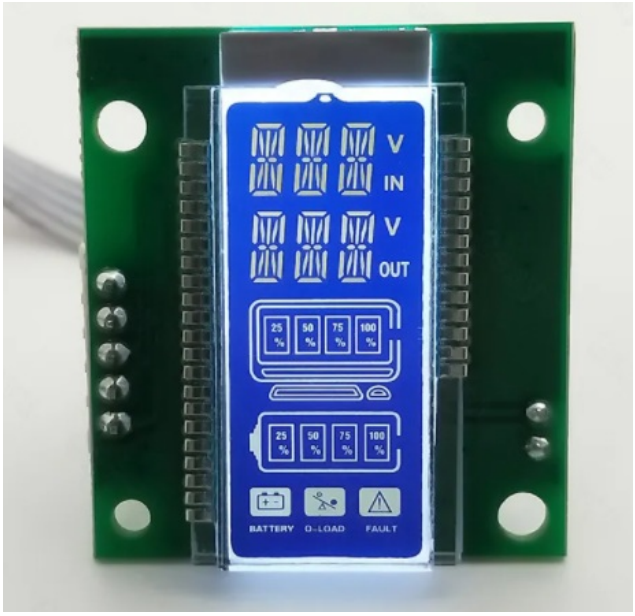
Portable Devices:

- **HTN LCDs** are well-suited for **portable devices** like **watches** and **small handheld meters** where **low power consumption** and **clear text or numeric display** are essential.

Module Size	34(W)* 37.65(H)* 14(T) mm	**Display mode**	HTN, Negative
LCD viewing area	13(W)* 31.3(H) mm	**Polarizer type**	Transmissive
Driver IC	SMT_HT1621	**LED backlight**	White, 2pcs, 30mA
Drive method	1/4 Duty, 1/3 Bias	**Working voltage**	5.0V
Viewing angle	12 O'clock	**Connection Way**	COB+PIN
Operate temperature	-20 ~+70	**Storage temperature**	-30~+80



Advantages
Simple structure, low cost
It is composed of only 7 basic line segments, with a simple production process. Compared to dot matrix LCD or OLED, its manufacturing cost is lower, making it suitable for large-scale popularization.
For example, low-cost devices such as ordinary electronic calculators and kitchen timers almost all use 7-segment liquid crystal displays.
Extremely low power consumption
The liquid crystal itself does not emit light. It relies on external light sources (such as ambient light) or backlight (usually LED), and during operation, it only requires a weak current to drive the liquid crystal molecules to deflect. The power consumption is much lower than that of LED digital tubes.
With a button battery, it can work for a long time (such as electronic watches can last for several years), especially suitable for portable and low-power devices.
Clear display, good visibility
Under normal lighting, the digital display of liquid crystal has high contrast and clear characters, and there is no "irritating" problem of LED digital tubes. The visual comfort is better.
After some products are equipped with backlight, they can also display clearly in dark environments, meeting the needs of different scenarios.
Compact in size, easy to integrate
The 7-segment structure design is compact. A single digit module can be made very small (such as with a diameter of a few millimeters), making it easy to integrate into small electronic devices, saving space.
For example, the time display of smart wristbands and the reading window of small multimeters all take advantage of its small size.
Long lifespan, high stability
The lifespan of liquid crystal materials and driving circuits is long. Under normal use, they are not easily damaged, and their vibration and impact resistance is better than mechanical display components (such as mechanical counters).
There are no filament or electrode aging problems, high stability, and low maintenance costs.

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