



## Custom STN Blue LCD 7 Segment LCD Display Negative For Charger

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

- Application: Industrial Equipment
- Backlight Type: LED
- Segment Size: Customizable
- Connection Way: Zebra Strip
- Backlight: Yes
- Backlight Color: White
- Working Supply: 9.0V
- Display Type: Custom Segment LCD
- Highlight: **custom STN blue LCD display ,  
7 segment LCD for charger ,  
negative LCD display with warranty**



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## Product Description

### Custom STN Blue LCD 7 Segment LCD Display Negative For Charger

#### Detail Information

LCD Type:	STN(Blue), Negative
Viewing Angle:	6 O'clock
Operating Temperature:	-10~+60
Connector:	Zebra Strip
Drive Mode:	1/4 Duty, 1/3 Bias
Working Supply:	9.0V
Backlight:	Side LEDs, White

## Product Description

### Custom STN Blue LCD 7 Segment Display Negative 6 O'clock Panel for Charger

**STN (Super Twisted Nematic) LCD** is an advanced type of liquid crystal display technology developed to overcome the limitations of traditional **TN (Twisted Nematic)** displays. It is commonly used in applications requiring cost-effectiveness, low power consumption, and moderate performance. Here's a detailed overview:

#### Key Features of STN LCD:

- **Twisting of Liquid Crystals:** between 180° and 270°
- **Passive Matrix Technology**
- **Power Efficiency:** Extremely low power consumption
- **Viewing Angles:** Wider viewing angle
- **Response Time:** Slower than TN LCD

#### Detailed Parameters:

NO.	ITEM	SPECIFICATIONS
1	LCD Type	STN negative, Transmissive
2	Viewing Angle	6 O'clock
3	Drive Method	1/4 Duty, 1/3 Bias, 9.0V
4	Operating Temperature	-10~+60
5	Storage Temperature	-20~+70
6	Connector	Zebra Strip
7	Backlight	White
8	LCD Outline Dimension	75(W)* 40.6(H)* 2.8(T) mm
9	View Area	72(W)* 35.6(H) mm



### Basic Principle

The 7-segment LCD display consists of seven light-emitting segments, arranged in an "8" shape, corresponding to seven segments: a, b, c, d, e, f, and g.

By controlling the illumination and darkness of different segments, numbers from 0 to 9, as well as some letters and symbols, can be combined.

The STN (Super Twisted Nematic) liquid crystal display utilizes the twisting property of liquid crystal molecules to control the passage and obstruction of light, thereby achieving the display effect.

### Customized Content

**Size Specifications:** Different screen sizes can be customized according to actual application requirements. For example, the HL-37625 SNT model produced by Chenzhou Haili Microelectronics Technology Co., Ltd. has a screen size of  $\leq 17''$ , with an active area of  $39 \times 25$  cm.

**Connection Method:** Common connection methods include metal pin pads, heat-pressed zebra paper, FPC (flexible printed circuit board), conductive adhesive strips, etc. These can be selected based on the product's structure design and electrical requirements.

**Display Mode:** STN type liquid crystal screens usually have three modes: full transparency, semi-transparency, and reflection. Full transparency mode requires a backlight, semi-transparency mode can use a backlight or not, and reflection mode does not require a backlight.

**Viewing Angle Selection:** The viewing angle direction can be customized. Some products offer viewing angles at 6 o'clock or 12 o'clock to meet different viewing needs.

**Driving Method:** This includes parameters such as driving voltage, duty cycle, bias, etc. For example, the product of Shenzhen Furukai Electronics Co., Ltd. has a driving method of 1/4 duty, 1/3 bias, and a working voltage of 5V.

**Customized Characters or Patterns:** In addition to standard digital and letter displays, specific characters, symbols, or patterns can be programmed to be displayed to meet personalized display requirements.



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