

## Custom Design LCD Display Screen STN Segment Blue 30PIN For Cleaning Machine

Our Product Introduction

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### 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

- Customization Options: Customizable
- Display Mode: Custom
- Operate Temperature: -20~+70
- Connector: PIN, 30 Numbers
- Lcd Type: STN Negative, Transmissive
- Resolution: High
- Segment Size: Customizable
- Drive Method: 1/8 Duty, 1/4 Bias
- Highlight: **custom STN segment LCD display, blue LCD screen for cleaning machine, 30PIN LCD display with warranty**



## Product Description

### Custom Design LCD Display Screen STN Segment Blue 30PIN For Cleaning Machine

#### Detail Information

Display Mode:	STN Negative, Transmissive
Viewing Angle:	6 O'clock
Operating Temperature:	-20~+70
Connector:	PIN, 30 Numbers
Working Voltage:	5.0V
Backlight:	White LEDs

## Product Description

### Customized sizes LCD Screen Display STN Segment Blue 30PIN for Medical Cleaning Machine

#### Product Descriptions:

A **Segment LCD** (or **Segmented LCD**) is a type of LCD (Liquid Crystal Display) that uses a series of segments to form numbers, letters, or other characters.

#### Key Features:

1. Low Power Consumption
2. Simple Characters
3. Backlighting (optional)
4. High Visibility

#### Customization Supported, ODM/OEM Services.

Including the sizes, interface, voltage, temperature, color, backlight, etc.

#### Detailed Parameters:

NO.	ITEM	SPECIFICATIONS
1	LCD Type	STN Negative, Transmissive
2	Viewing Angle	6 O'clock
3	Drive Method	1/8 Duty, 1/4 Bias, VOP=5.0V
4	Operating Temperature	-20~+70
5	Storage Temperature	-30~+80
6	Connector	PIN, 30 numbers
7	PIN Pitch	2.54 mm
8	Backlight	White LEDs
9	Driver IC	/
10	Outline Dimension	110(W)* 32(H)* 2.8(T) mm
11	View Area	107(W)* 27(H) mm



The STN segment blue 30PIN liquid crystal display, with its low cost, moderate power consumption, clear display (the blue segment code has a high recognition degree under light conditions), and strong interface adaptability (the 30PIN pins can meet the basic control and data transmission requirements), is widely used in several fields, mainly including the following categories:

## 1. Industrial control and instrumentations

Equipment control panels: such as the operation panels of machine tools, injection molding machines, and assembly line equipment, used to display operating parameters (rotation speed, temperature, pressure), working status (running / paused / alarm), etc. The blue segment code display is simple and intuitive, suitable for quick reading in industrial environments.

Measurement instruments: such as multimeters, oscilloscopes, temperature and humidity meters, pressure gauges, etc., through segment code display, precise values or measurement units are shown. The 30PIN interface can be conveniently connected with the internal control circuit of the instrument to meet the basic data interaction requirements.

## 2. Consumer electronics and small appliances

Appliance displays: such as the control panels of microwave ovens, ovens, washing machines, air conditioners, etc., displaying time, mode, temperature, etc., the blue segment code is coordinated with the appearance of appliances and has low power consumption, suitable for long-term standby scenarios.

Small electronic devices: such as electronic scales, alarm clocks, coffee machines, humidifiers, etc., through simple segment code combinations to display weight, time, water volume, etc., the cost advantage makes it suitable for mass-produced consumer products.

## 3. Automotive electronics and vehicle equipment

Vehicle auxiliary equipment: such as vehicle chargers, tire pressure monitors, dash cameras (basic models), etc., displaying voltage, tire pressure, time, etc., the STN screen's anti-vibration and wide temperature characteristics (some models support -20 ~70 ) are suitable for vehicle environments.

Vehicle instrument accessories: such as the air conditioning control screens of some low-end vehicle models, window adjustment panels, or simple status displays of commercial vehicles (trucks, buses), meeting the basic information display requirements.

## 4. Medical and health equipment

Basic medical instruments: such as blood pressure monitors, blood glucose meters, blood oxygen monitors, etc., portable health devices displaying key data such as blood pressure values, blood glucose concentrations, blood oxygen saturation, etc., the blue segment code is clear and easy to read, suitable for use by the elderly or non-professionals.

Medical auxiliary equipment: such as infusion pumps, temperature control panels of thermometers, displaying flow rate, temperature, etc., low power consumption characteristics can extend the device's battery life (battery-powered scenarios).

## 5. Smart hardware and IoT terminals

Low-power IoT devices: such as local displays of smart water meters, electricity meters, gas meters, displaying usage, balance, etc., the STN screen's low power consumption and stability are suitable for long-term outdoor or embedded installation scenarios.

Simple controllers: such as lighting controllers and window remote controls in smart home, displaying device status, mode switching, etc., the 30PIN interface is convenient for connecting with low-cost MCUs (microcontrollers).

The common feature of these fields is that they have low requirements for the complexity of display content (mainly characters, numbers, simple symbols), focus on cost control, power consumption performance and reliability, and the STN segment blue 30PIN liquid crystal display can precisely meet these requirements, thus being widely used.



**Dongguan Bibuke Electronic Technology Co., Ltd.**



+8613711912723



Jack@smartwinlcd.cn



lcdtftscreen.com

Shangyu Commercial Centre Chang'an, Dongguan, Guangdong, China 523881