

## Custom Zebra/Pin Interface LCD Display with Industrial-Grade Anti-Interference and Wide Temperature Range for Detection Instruments

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

- Display Technology: LCD
- Connect: Pin
- Outline Size: 50.80 X 30.48
- Size: Customized
- Backlight Technology: LED
- Va Size: 45.80 X 17.86
- Product Type: TN LCD Display
- Digital Height (mm): 12.7
- Highlight: **Custom Zebra/Pin Interface LCD Display , Industrial-Grade Anti-Interference LCD Display , Wide Temperature Range TN LCD Panel**



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## Product Description

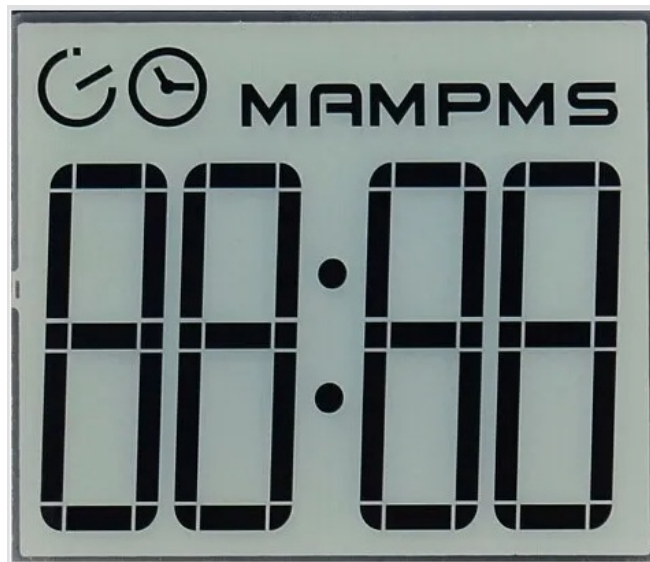
### Zebra / Pin Custom LCD Display TN STN Type

Small LCD display designed for detection instruments and industrial tools, offering TN and STN technology options with flexible interface customization.

### Product Specifications

Type	TN LCD Display
Storage Temperature	-20°C to +70°C
Voltage	2.8 V
Connector	Pin
Driving Method	Static
Polarizer Type	Reflective
Number of Digitals	3 1/2 (Lowbat and plus/minus)
LCD Mode	TN Positive
Glass Size (W*H)	50.80 mm * 30.48 mm
View Area (W*H)	45.80 mm * 17.86 mm
Digital Height	12.7 mm
Operating Voltage	5.0 V





## Key Features

### Dual Technology Options

**TN Type:** Fast response speed ( $\leq 10\text{ms}$ ) with ultra-low power consumption ( $\mu\text{A}$  level), ideal for portable tools and battery-powered devices with real-time display requirements

**STN Type:** High contrast ( $\geq 300:1$ ) with wide viewing angles ( $\geq 120^\circ$ ), supports negative/positive display customization for multi-angle observation scenarios

### Flexible Interface Customization

**Zebra Strip Interface:** Ultra-thin flexible connection for compact spaces, excellent shock resistance, prevents interface loosening in vibrating environments

**Pin Interface:** Multiple pin configurations (4-20Pin) with customizable spacing, compatible with PLC controllers and microcontrollers

### Comprehensive Customization Capabilities

**Display Parameters:** Supports 1-8 bit code, dot matrix display, character height  $\geq 3\text{mm}$ , custom unit symbols and alarm indicators

**Size & Structure:** Standard size range  $15\text{mm} \times 25\text{mm} \sim 50\text{mm} \times 80\text{mm}$ , thickness  $\leq 2.8\text{mm}$ , waterproof, scratch-resistant, and oil-resistant surface treatments

**Function Customization:** Backlight options (red, green, yellow, blue), high/low temperature alarm display, status indicators, wide temperature operation ( $-20^\circ\text{C} \sim 70^\circ\text{C}$ )

### Industrial-Grade Reliability

**Anti-Interference:** EMC electromagnetic compatibility certified, resistant to industrial electromagnetic radiation and voltage fluctuations

**Durability Testing:** Extensive high/low temperature cycling, salt spray, vibration, and aging tests with MTBF  $\geq 60,000$  hours

**Environmental Compliance:** Mercury-free, low-power materials, RoHS and CE certified

## Core Application Scenarios

### Small Detection Instruments

Handheld pressure detectors, temperature inspection instruments, gas sensors, water quality analyzers. Low power consumption and compact design with clear data presentation for efficient detection operations.

### Industrial Tools & Control Equipment

Electric wrenches, torque testers, welding parameter regulators, small PLC controllers. Industrial-grade anti-interference and shock resistance for precise parameter control.

### Assembly Lines & Automation

Counters, speedometers, displacement sensors, control cabinet instruments. Wide viewing angles and stable connections for

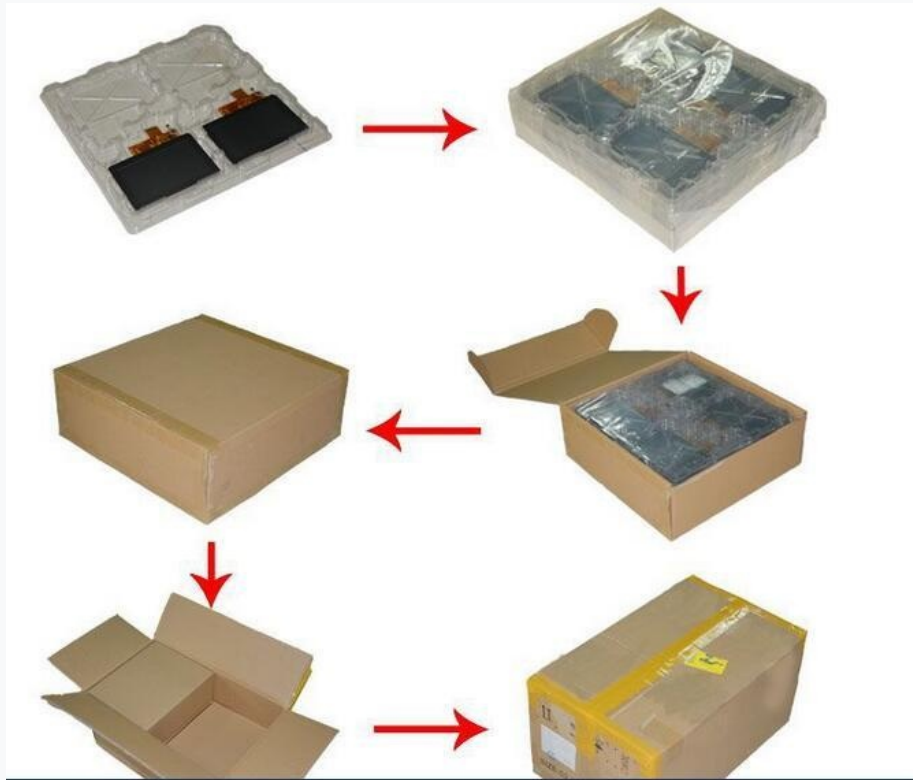
continuous 24/7 operation.

### Outdoor & Extreme Environments

Outdoor environmental monitors, mine safety instruments, high-temperature workshop equipment. Wide temperature operation and clear display in harsh conditions.

### Packaging & Shipping

**Packaging:** Carton boxes, cupboard, EPE, blister tray. Custom packaging solutions available based on product size and customer requirements.



**Shipping:** Express services including DHL, FedEx, EMS, UPS, air shipping, and sea shipping. Multiple shipping methods available to suit customer preferences.

	 2-7days	 2-8days	 2-7days	 3-15days	 2-5days	 2-7days
<b>Notice</b>	<ol style="list-style-type: none"><li>1. EMS for Brazil, Russia and Remote areas .</li><li>2. SF for Hong Kong, Taiwan, South Korea, Japan, Thailand, Singapore and Malaysia .</li><li>3. Having logo product can' t be sent by FEDEX .</li><li>4. The Brazil want to use FEDEX/DHL , need to offer CNPJ / CPF to us !</li></ol>					

### Payment Methods





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