



3.0V Negative Transmissive Custom Segment LCD Display with Metal Pin Connection

Basic Information



Product Specification

- Light Source: White / Amber / Blue / Yellow
- Size: 3.7inches
- Driver Method: 1/4 Duty Cycle, 1/3 Bias
- Display Mode: Negative / VA Optional
- Viewing Angles: All
- Brightness: Customized
- Connector: Metal Pin Connection
- Storage Temperature: -40°C To +90°C
- Highlight: **3.0V Custom Segment LCD Display ,
Negative Transmissive LCD Module,
Metal Pin Connection Liquid Crystal Display**



Product Description

3.0 V Negative Transmissive Custom Segment LCD Display

This custom gauge cluster LCD display features negative transmissive technology with a 3.0V operating voltage, making it ideal for battery-powered embedded devices.

Technical Specifications

Product	Custom Gauge Cluster LCD	Display Mode	Negative Transmissive
Driving Condition	1/4 Duty Cycle, 1/3 Bias	Operating Voltage	3.0 V
Optics	All Viewing Angles	Display Mode	Negative / VA Optional
Size	3.7 Inch	Backlight	White / Amber / Blue / Yellow
Operating Temp	-35°C To +85°C	Storage Temp.	-40°C To +90°C
Connection	Metal Pin Connection	Compliance	REACH & RoHS Compliant
Dot Space	0.1 Mm	Response Time	0.1 Ms

This customized dot-matrix liquid crystal display is designed for embedded devices. With a standard 3.0V operating voltage, it perfectly matches two AA battery power systems, eliminating the need for additional voltage booster circuits. This significantly reduces power design costs and enhances low-power performance.

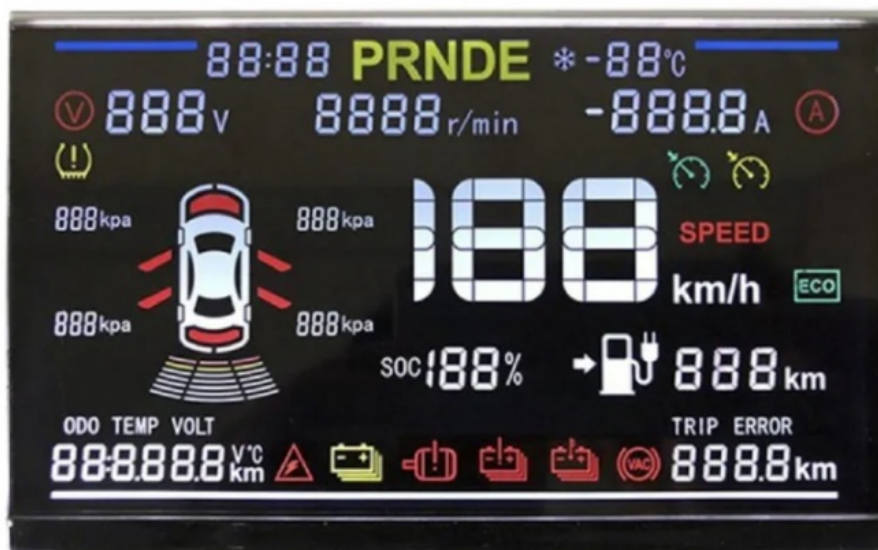
The negative transmission display mode provides excellent optical characteristics. When not powered, the screen presents a dark background, while illuminated segments become bright and transparent. Combined with LED backlighting, it delivers clear, eye-catching display effects in low-light environments, making it ideal for scenarios requiring stable display of numbers, icons, and simple symbols.

Custom display segments allow flexible customization of seven-segment numbers, special symbols, and graphic segments according to specific customer requirements. The display supports mainstream liquid crystal processes including TN/STN/VA and adapts to common industrial and civilian temperature ranges of -20°C to 70°C. Various connection methods such as zebra paper, metal pins, and FPC are available to meet different device assembly requirements.

Applications

With its low power consumption, high reliability, and customization advantages, this LCD is widely used in portable and embedded electronic devices. In consumer electronics, it's commonly found in air conditioner remote controls, rice cookers, electronic scales, blood glucose meters, and blood pressure monitors to display key information such as temperature, weight, values, and working modes.

In industrial and automotive electronics, it serves as small instrument displays, vehicle tire pressure monitors, engine speed indicators, and industrial sensors, providing stable data presentation in complex environments. Additional applications include smart home devices, security alarm systems, medical auxiliary equipment, and outdoor portable measurement tools, particularly suitable for scenarios requiring strict power consumption control, fixed display content, and long-term stable operation.





Frequently Asked Questions

I want the LCD display 8 digits and the outline size is 65x30x2.8mm?

No problem. Please send us your specification/drawing paper. If you don't have specifications, you can provide samples; we'll recommend suitable products or customize based on your requirements.

This LCD is what we want, but it's too big. Do you have smaller sizes? The display content needs minor changes.

For segment type LCD modules requiring outline size or display content modifications, a new LCD glass module is needed. We'll create new tooling for you.

This LCD display is HTN type, but I want STN type. Can you make it?

That's all right. We can change it according to your request.

I want to customize a new LCD module. Can you do it?

Yes, we can. Please send your drawing paper. If you don't have one, please provide the outline size, display information (glass thickness, polarizer, display type, connector mode, storage temp, operating temp, supply voltage, viewing direction, drive condition), and we'll customize for you.

What is the lead time for tooling?

Generally, it takes 15 to 25 days after drawing paper confirmation and tooling charge payment. We'll provide exact timing when you confirm the drawing paper.

Can you send us samples for checking?

Yes, sample orders are available.

What is the lead time?

For standard products in stock, lead time is one day after payment. For mass production of special orders, lead time is approximately 15-30 days. We'll inform you in advance if we can finish earlier.



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