

2.88 Inch 480x640 Resolution TFT LCD Touch Screen with 2 Lane MIPI Interface

Our Product Introduction

Basic Information



Product Specification

- Technology: LCD
- Outline Size: 46.2 X 64.98 X 1.61 Mm
- Storage Temperature: -30°C To 80°C
- Touch Screen: Yes
- Display Mode: TFT/Transmissive
- Colors: 262K
- Connect: Plugging / ZIF (Customizable)
- Backlight Technology: LED
- Highlight: **2.88 Inch TFT LCD Touch Screen ,
480x640 Resolution TFT LCD Display ,
2 Lane MIPI Interface Touch Screen Module**



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Product Description

2.88 Inch With 2 Lane MIPI Interface 480x640 TFT LCD Touch Display

Basic Parameters

Product	2.88" Inch VGA MIPI TFT LCD
Resolution	480x640 Pixels
Viewing Direction	IPS All Viewing Angles
Touch Screen	W/O Touch, Resistance And PCAP Touch Optional
Cover Lens	Customizable
Surface Luminance	450 Cd/m ² (Customizable)
Interface	2 Lane MIPI
Pin Number	21 Pins
Outline Dimension	46.2 × 64.98 × 1.61 mm
Connection	Plugging / ZIF (Customizable)
Driver IC	JD9161Z
Operating Temperature	-20°C To +70°C

Product Details

This compact active-matrix TFT-LCD touch module (common models: SF-TO288AS-8983A-N, TTH288BVS series) features a transmissive IPS panel with a 2.88-inch diagonal size and 480×640 pixel resolution. Capable of displaying 16.7 million colors, it delivers rich color reproduction and wide viewing angles (85°/85°/85°/85°) while maintaining clarity without color distortion from any angle.

The panel typically pairs with a projection capacitive touch screen (PCAP) that supports multi-touch functionality, offering sensitive operation and enhanced durability.

Interface specifications include a 2-channel MIPI DSI standard with 21-pin FPC soft ribbon cable design. Compared to traditional RGB interfaces, MIPI provides lower power consumption, reduced electromagnetic interference, and simplified wiring, making it ideal for mobile and embedded applications. Operating voltage is typically 2.8V (range 2.4V-3.3V) with excellent power efficiency.

The module features a slim profile (approximately 1.6mm thickness), compact dimensions (46.2×65mm), high vibration resistance, and wide operating temperature range suitable for harsh industrial and outdoor environments. Complies with RoHS environmental standards.

Core Applications

Portable Medical Equipment: Operating and display panels for handheld ECG monitors, blood oxygen meters, and small ultrasound diagnostic devices, clearly presenting data curves and parameters with touch control for quick function switching.

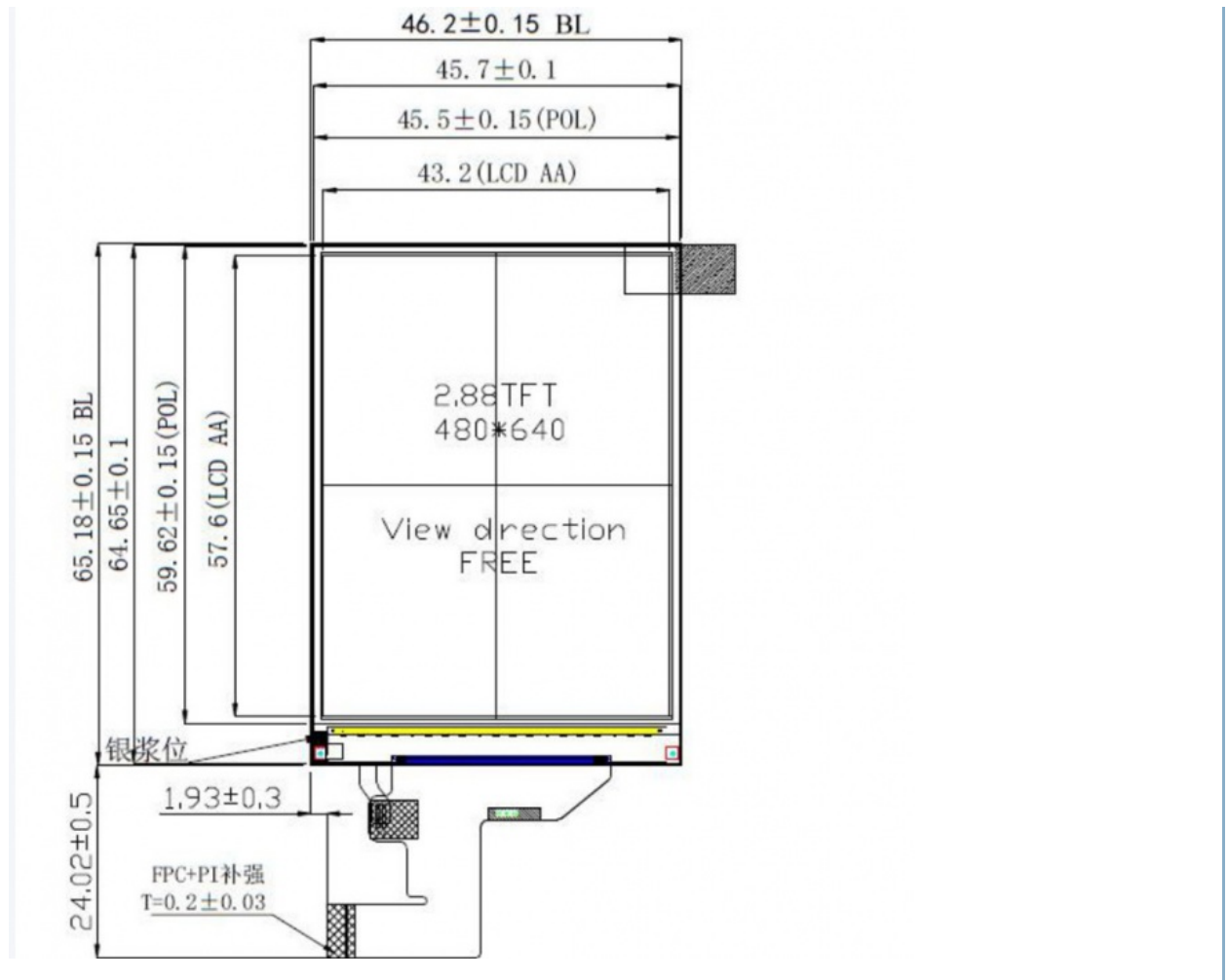
Industrial Control and IoT Terminals: Small PLC panels, intelligent sensor displays, and handheld logistics tracking terminals providing stable status information display in complex environments with on-site touch input capability.

Smart Wearables and Sports Equipment: Bicycle speedometers, outdoor watches, and portable navigators offering compact size, high brightness for sunlight readability, and MIPI low power consumption for extended battery life.

Consumer Electronics and Embedded Devices: View screens for digital cameras, smart home control panels, educational devices, and portable POS machines balancing display clarity with touch interaction convenience.

Automotive Electronics: Vehicle tire pressure monitoring displays and seat adjustment control panels maintaining stability in temperature-variable vehicle environments with intuitive display and simple 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 will recommend suitable standard products or customize based on your requirements.

This LCD is just what we want, but it is big size, do you have any smaller size? And the display content need to be changed a little.

For segment type LCD modules, modifying outline size or display content requires a new LCD glass module. We will create new tooling for you.

This LCD display is HTN type, but I want STN type, can you make?

Yes, we can change the display type according to your request.

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

Yes, we can. Please send your drawing paper. If unavailable, provide outline size, display information (glass thickness, polarizer, display type, connector mode, storage/operating temperature, supply voltage, viewing direction, drive conditions) for customization.

What is leading time for tooling?

Typically 15 to 25 days after drawing confirmation and tooling charge payment. Exact timing will be confirmed upon drawing approval.

Can you send us samples for checking?

Yes, sample orders are available.

What is the Leading Time?

For standard products in stock: 1 day after payment. For mass production of special orders: approximately 15-30 days. We will notify you if we can complete earlier.



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