

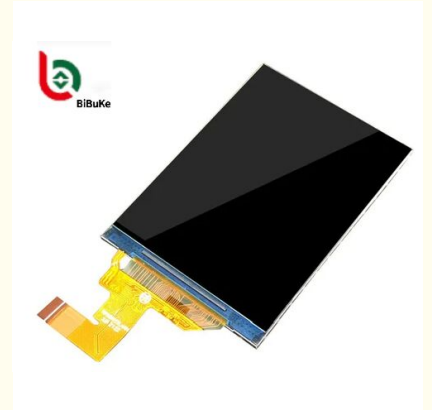
2.88 Inch IPS Display Module with 480x640 Resolution and 2 Lane MIPI Interface TFT LCD Screen

Our Product Introduction

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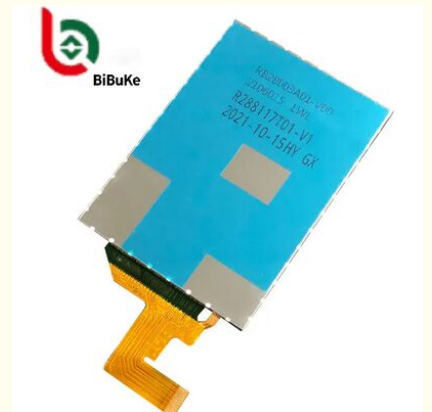
Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.78-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 300000/MONTH



Product Specification

- Touch Screen: Customized
- Display Size: 2.88 Inches
- Storage Temperature: -30°C To 80°C
- Dimensions: 46.2 X 64.98 X 1.61 Mm
- Brightness: 450 Cd/m²
- Interface: 2 Lane MIPI
- Viewing Angle: ALL
- Screen Type: LCD TFT
- Highlight: **2.88 inch IPS Display Module, 480x640 resolution TFT LCD Screen, 2 Lane MIPI Interface LCD Display Module**



Product Description

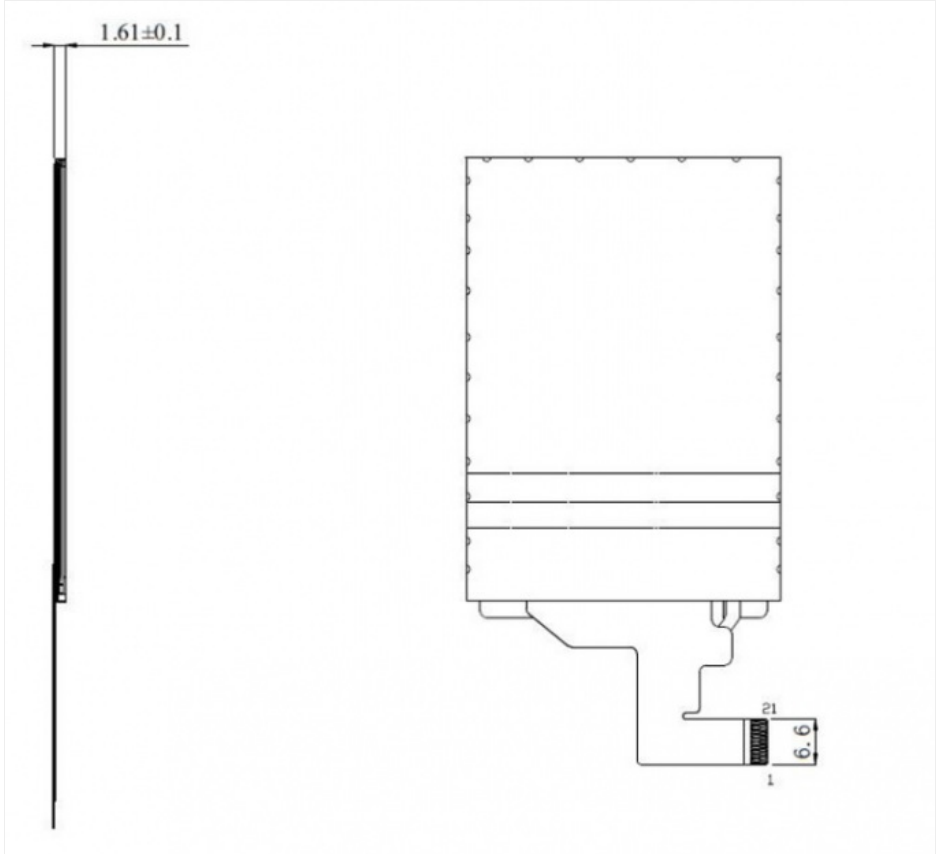
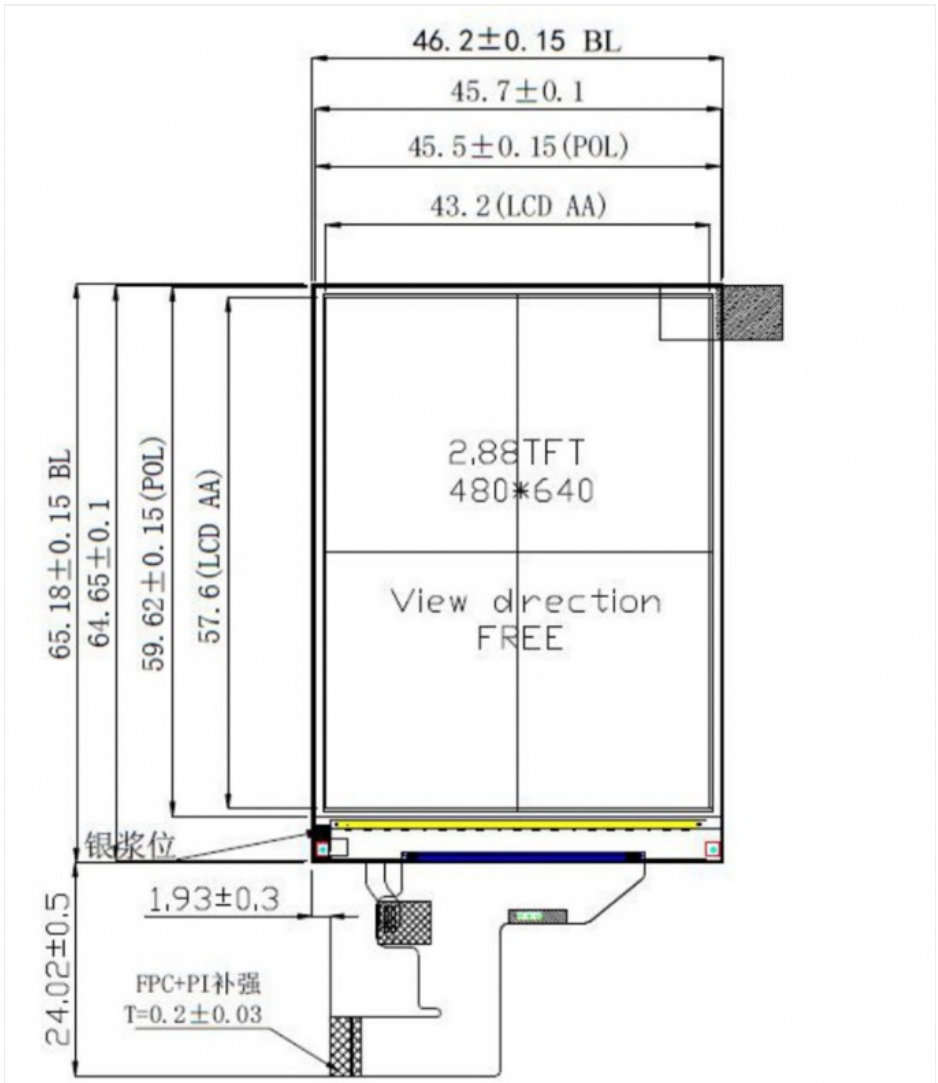
2.88" IPS Display Module with VGA 480x640 LCD and 2 Lane MIPI Interface

This transmissive color active matrix TFT LCD module utilizes amorphous silicon TFT switching technology. The complete assembly includes the TFT LCD panel, driver circuit, and back-light unit. Featuring 480x640 VGA resolution with 16.7 million color capability, this IPS display delivers exceptional viewing angles and color consistency.

Technical Specifications

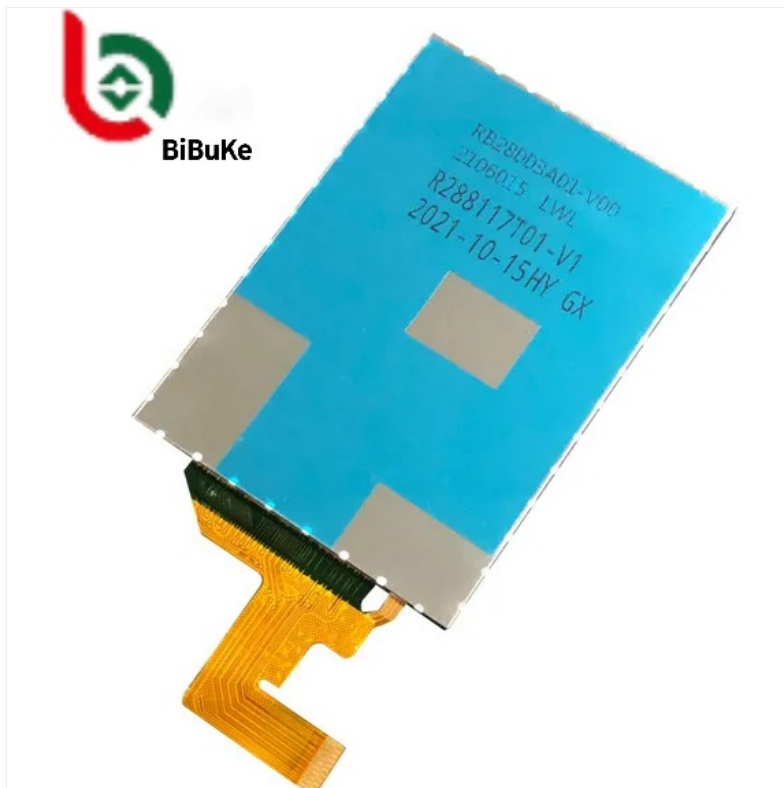
Product	2.88" Inch VGA MIPI TFT LCD
Resolution	480x640 Pixels
Viewing Direction	IPS All Viewing Angles
Touch Screen	W/O Touch, Resistance and PCAP Touch Optional
Cover Lens	Customizable
Surface Luminance	450 Cd/m ² (Customizable)
Interface	2 Lane MIPI
Pin Number	21 Pins
Outline Dimension	46.2 × 64.98 × 1.61 mm
Connection	Plugging / ZIF (Customizable)
Driver IC	JD9161Z
Operating Temperature	-20 to +70
Storage Temperature	-30 to +80
Supply Voltage (VCC)	2.4V to 3.3V (Typical 2.8V)

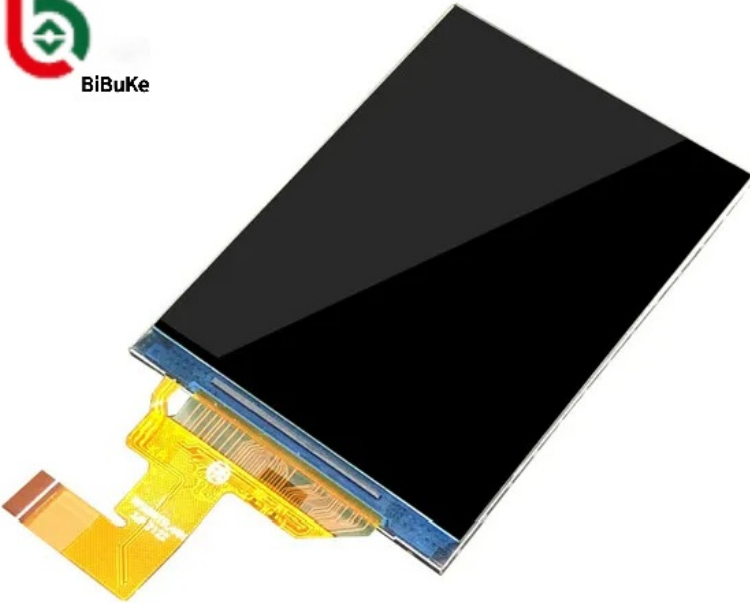
Product Drawings



Module Interface

NO	SYMBOL	FUNCTION
1	GND	Power Ground
2	LEDK	LED Cathode
3	LEDA	LED Anode
4	GND	Power Ground
5	DATA0N	MIPI data
6	DATA0P	MIPI data
7	GND	Power Ground
8	CLKN	MIPI clk
9	CLKP	MIPI clk
10	GND	Power Ground
11	DATA1N	MIPI data
12	DATA1P	MIPI data
13	GND	Power Ground
14	LCD_ID	LCD ID Pin
15	VDD	Power Supply for Analog, VDD=2.5V~3.3V.
16	NC	No Connect
17	RESET	This signal will reset the device and it must be applied to properly initialize the chip. Signal is active low.
18	TE	Tearing effect signal is used to synchronize MCU to frame memory writing.
19	VDDIO	Power Supply for logic, VDDIO=1.8V~3.3V.
20	NC	No Connect
21	GND	Power Ground





Key Features

- Screen Size:** 2.88-inch diagonal measurement with customizable dimensions
- Display Technology:** IPS (In-Plane Switching) for excellent color consistency and wide viewing angles
- High Resolution:** 480x640 VGA resolution delivering clear, detailed images
- Advanced Interface:** 2 Lane MIPI interface with 21 pins for high-speed data transmission and low power consumption
- Bright Backlight:** White LED backlight with 450 cd/m² typical brightness (customizable up to 1500 nits)
- Robust Construction:** Designed for industrial environments with wide operating temperature range

Applications

- Portable Devices:** Handheld game consoles, multimedia players, and portable computers
- Smart Wearables:** Larger-sized smart watches and smart glasses for information display
- Industrial Control:** Small control panels, instruments, and data monitoring systems
- Automotive Electronics:** Dashboard displays and secondary screens for multimedia systems
- Medical Equipment:** Blood glucose meters, blood pressure monitors, and portable diagnostic devices

Frequently Asked Questions

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

Yes, we can accommodate custom specifications. Please provide your detailed requirements or samples, and we will recommend suitable options or create a customized solution.

This LCD is what we want, but it's too big. Do you have smaller sizes with modified display content?

For segment type LCD modules requiring size or content modifications, we can create new tooling to meet your specific requirements.

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

Absolutely. We can modify the display type according to your specifications.

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

Yes, we specialize in custom LCD solutions. Please provide your drawing specifications or detailed requirements including outline dimensions, display parameters, and operating conditions.

What is the lead time for tooling?

Tooling typically requires 15-25 days after drawing confirmation and payment. We will provide exact timelines upon specification approval.

Can you send samples for evaluation?

Yes, sample orders are available for product verification.

What is the lead time for production?

For standard products in stock, lead time is one day after payment. For mass production of custom orders, lead time is typically 15-30 days, with earlier completion communicated in advance.



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