

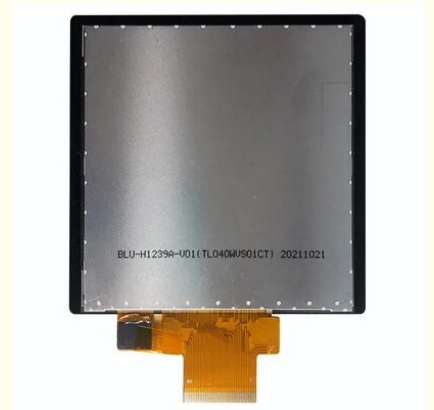
4 Inch Square 480x480 Dots PCAP Touch TFT LCD Display with 40 Pins RGB+SPI Interface

Our Product Introduction

for more products please visit us on lcdtftscreen.com

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

- Dimensions: 84.0 X 84.0 X 3.05 Mm
- Viewing Angle: All Viewing Angle, IPS
- Colors: 262K
- Product Type: TFT LCD Screen
- Screen Type: LCD TFT
- Interface Types: RGB+SPI
- Active Area: 70.18x71.86 Mm
- Brightness: 420 Cd/m²
- Highlight: 480x480 Dots TFT LCD Display, 40 Pins LCD TFT Screen, PCAP Touch TFT Display Module



More Images



4 Inch Square Type 40 Pins With 480x480 Dots PCAP TFT LCD Display

Compact square IPS full-view TFT liquid crystal display module with projected capacitive touch panel, featuring dual interface support for flexible integration.

Technical Specifications

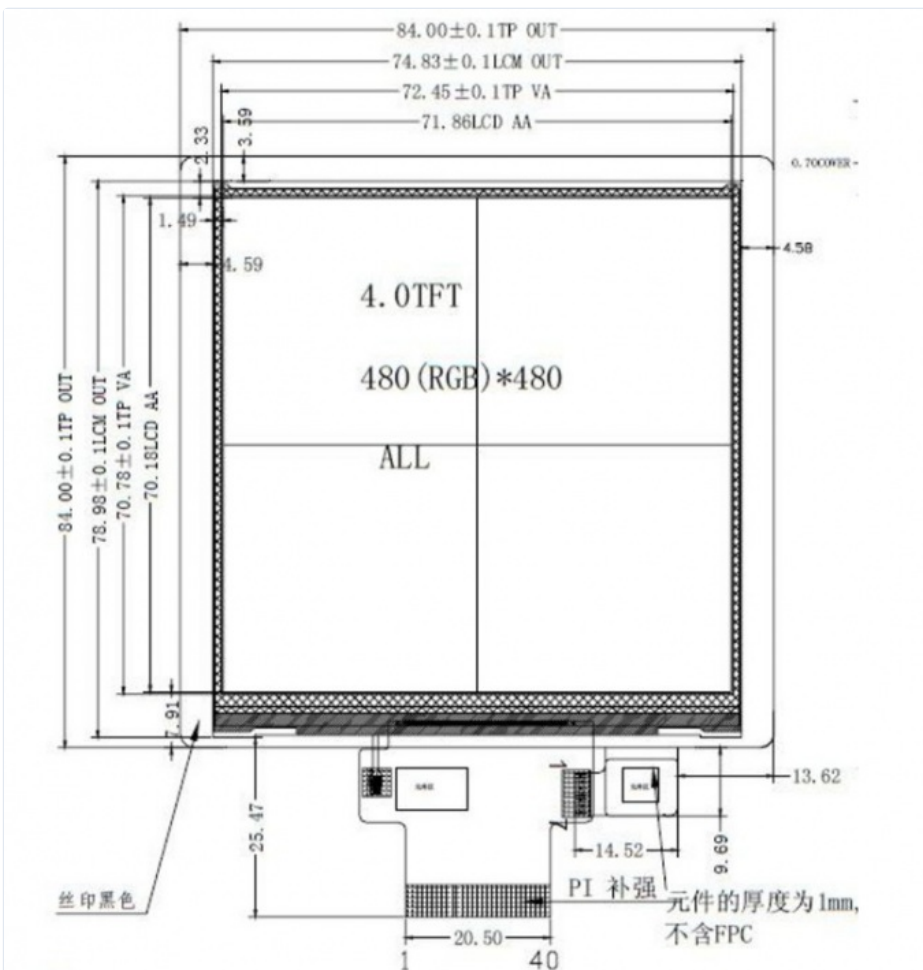
Product	4 Inch TFT Square Display
Resolution	480 × 480
Cover Glass Dimension	Customizable
Outline Dimension	84.0 × 84.0 × 3.05 mm
Interface	RGB + SPI
Touch Screen	With CTP (Capacitive Touch Panel)
Viewing Direction	All Viewing Angle, IPS
Active Area	70.18 × 71.86 mm
Pin Number	40 Pins (Customizable)
Surface Luminance	420 Cd/m ² (nits) Typical
Connection	Plugging (Can Be Customized)
LED Lifetime	40,000 Hours

Product Features

- Compact square IPS TFT display with 178° full viewing angle
- ST7701S driver IC with RGB parallel and SPI serial interfaces
- Projected capacitive touch (PCAP) supporting multi-point touch
- High brightness: 350-500 cd/m² typical, industrial models up to 800 cd/m²
- Wide operating temperature: -20°C to 70°C (-30°C to 80°C industrial grade)
- 40-pin FPC interface for easy integration
- Compact dimensions: 84×84×3.2 mm typical
- 3.3V power supply with anti-static and wide temperature characteristics

Applications

- Smart Home & Building Control: Wall switches, air conditioning panels, smart locks, video intercoms
- Industrial Control & Handheld Devices: Portable instruments, PLC interfaces, scanning terminals
- Medical Health Equipment: ECG monitors, blood oxygen meters, portable ultrasound devices
- Consumer Electronics & IoT: Bluetooth speakers, smart wearables, vehicle HMIs
- Embedded Development & Maker Projects: DIY devices with open-source hardware compatibility



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 and we'll recommend suitable 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 with new tooling.

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 customize LCD modules. Please send your drawing paper or provide outline size, display information, glass thickness, polarizer, display type, connector mode, temperature specifications, supply voltage, viewing direction, and drive conditions.

What is leading time for tooling?

Typically 15 to 25 days after drawing paper confirmation and tooling charge payment. We'll provide exact timing upon drawing confirmation.

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'll notify you if we can finish earlier.



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