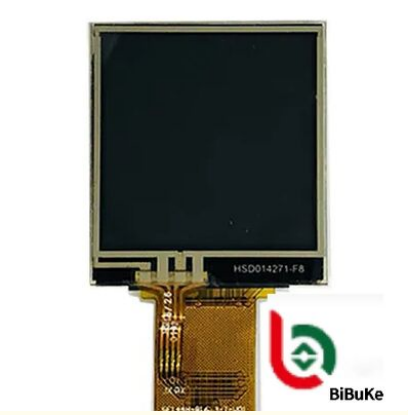
1.44 Inch 8bit MPU Interface 128x128 Resolution TFT LCD Display Module

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



Product Specification

- Pin Number: 24 PIN
- Interface Types: MPU 8 Bit, (customizable)
- Response Time: 10 Ms
- Resolution: 128*128 Pixels
- Display Size: 1.44 Inches
- Viewing Angle: 12:00
- Luminance: 150 Cd/m2
- Screentype: LCD TFT
- Highlight: **128x128 Resolution TFT LCD Display**, **8bit MPU Interface LCD TFT Screen**, **1.44 Inch Display Size TFT Display Module**

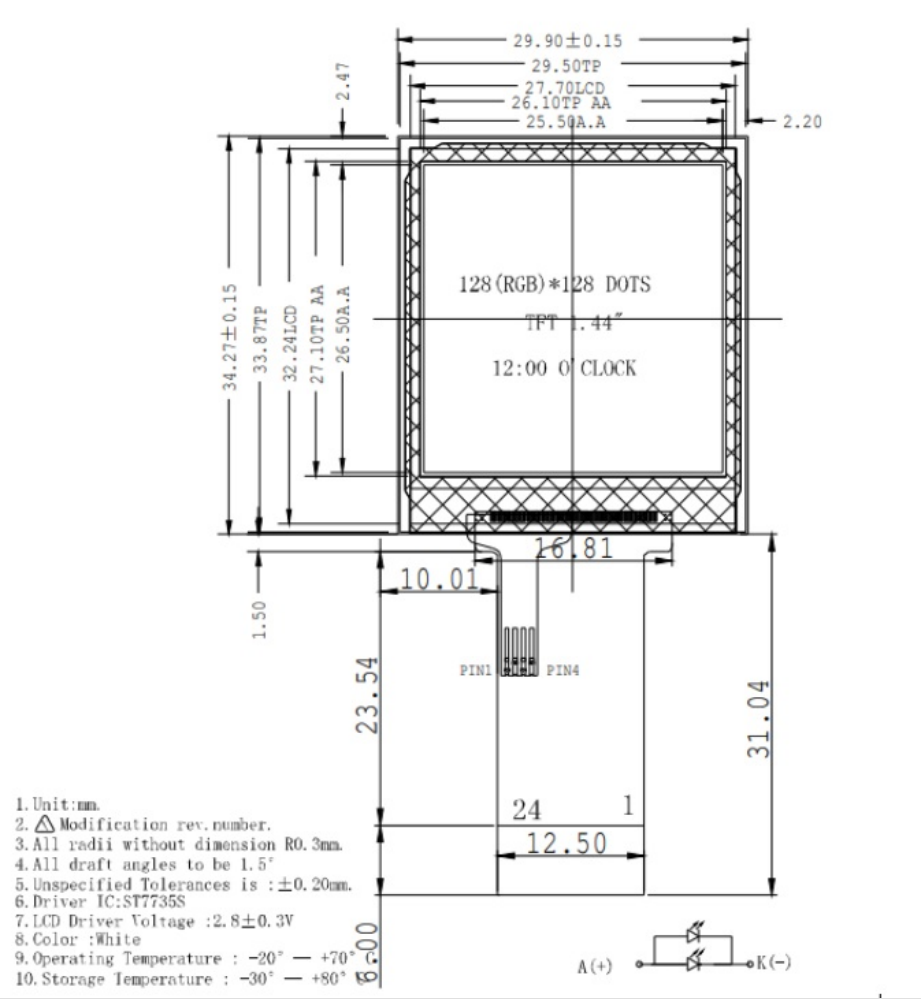
Product Description

1.44 Inch 8bit MPU Interface 128x128 Square TFT LCD Display

Product Specifications

Product	1.44 Inch TFT Display Screen
Touch Screen	Resistive Touch Panel (optional)
Resolution	128x128
Cover Glass Dimension	Customizable
Viewing Direction	12:00
Interface	MPU 8 Bit (customizable)
Pin Number	24 Pins (customizable)
Connection	Plugging (customizable)
Surface Luminance	150 Cd/m² (nits) (customizable)
LED Lifetime	40,000 Hours
Driver IC	ST7735
Compliance	REACH & RoHS Compliant

Technical Drawing



Product Overview

This compact color thin-film transistor (TFT) display module features a 1.44-inch diagonal size with a 128*128 square pixel arrangement and near 1:1 aspect ratio for a visually balanced appearance. The core interface utilizes an 8-bit MPU parallel interface, typically paired with ST7735S driver IC, enabling direct and efficient communication with microcontrollers and embedded systems without complex conversion circuits.

Operating at 3.3V low voltage with excellent power consumption control, this display is ideal for battery-powered devices. It maintains industrial-grade stability across an operating temperature range of -20°C to 70°C, with brightness typically between 300-500 cd/m². Some models support sunlight visibility and can be customized with resistive or capacitive touch functionality. The flexible printed circuit board connection enables installation in narrow spaces while reducing overall device size.

Capable of displaying 65K true colors, this screen clearly presents icons, text, line graphs, simple graphics, and low-resolution images, offering a cost-effective display solution that balances quality and performance for small devices.

Core Applications

Smart Wearable Devices: Children's phone watches, sports wristbands, retro smart watches for displaying time, steps, heart rate, and notifications

Industrial Control and Instrumentation: Portable sensors, PLC panels, temperature/humidity/pressure monitors, handheld inspection instruments

Medical Health Devices: Home blood glucose/lipid testers, portable pulse oximeters, small therapeutic devices

Consumer Electronics and Maker Projects: Miniature handheld game consoles, Bluetooth speaker displays, smart home control panels, Arduino/Raspberry Pi display modules

Compact Vehicle Displays: Tire pressure monitors, vehicle meters, dashcam auxiliary displays

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Frequently Asked Questions

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

Yes, we can accommodate this requirement. Please provide your specifications or drawing. If you don't have specifications, you can send samples and we'll recommend suitable options or customize based on your requirements.

This LCD is what we want, but the size is too large. Do you have smaller sizes? Can the display content be modified?

For segment type LCD modules requiring outline size modifications or display content changes, we need to create a new LCD glass module, which involves opening new tooling.

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

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

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

Yes, we provide custom LCD module services. Please send your drawing or provide details including outline size, glass thickness, polarizer type, display type, connector mode, storage/operating temperature, supply voltage, viewing direction, and drive conditions.

What is the lead time for tooling?

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

Can you send samples for evaluation?

Yes, sample orders are available for quality checking and testing.

What is the production lead time?

For standard products in stock, lead time is one day after payment. For mass production of custom items, lead time is approximately 15-30 days. We'll notify you if we can complete orders earlier.

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