

## 1.54 Inch 240x240 Resolution IPS TFT LCD Display Module with Full Viewing Angle

### 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

- Display Mode: TFT/Transmissive
- Pins Number: 24 PINS
- Interface: MCU ( Customizable )
- Outline Dimension: 31.52x33.72x1.8 Mm
- Screentype: LCD TFT
- Viewing Direction: IPS All Viewing Angles
- Display Size: 1.54 Inches
- Aa Size: 27.72x27.72mm
- Highlight: **1.54 inch TFT LCD Display ,  
240x240 resolution TFT Screen,  
IPS All Viewing Angles LCD Display Module**



## Product Description

### 1.54" Inch With Touch 240x240 Square TFT LCD Display

This compact square display solution is specifically designed for small smart devices, featuring IPS TFT technology with capacitive touch capabilities.

#### Technical Specifications

<b>Product</b>	1.54" TFT Screen
<b>Resolution</b>	240x240
<b>Viewing Direction</b>	Full Viewing Angle (80/80/80/80)
<b>Touch Screen</b>	Without Capacitive Touch Screen (Optional)
<b>Interface</b>	MCU (Customizable)
<b>Pin Number</b>	24 Pins
<b>Surface Luminance</b>	500 Cd/m <sup>2</sup> (nits)
<b>LED Lifetime</b>	40,000 Hours

#### Product Core Features

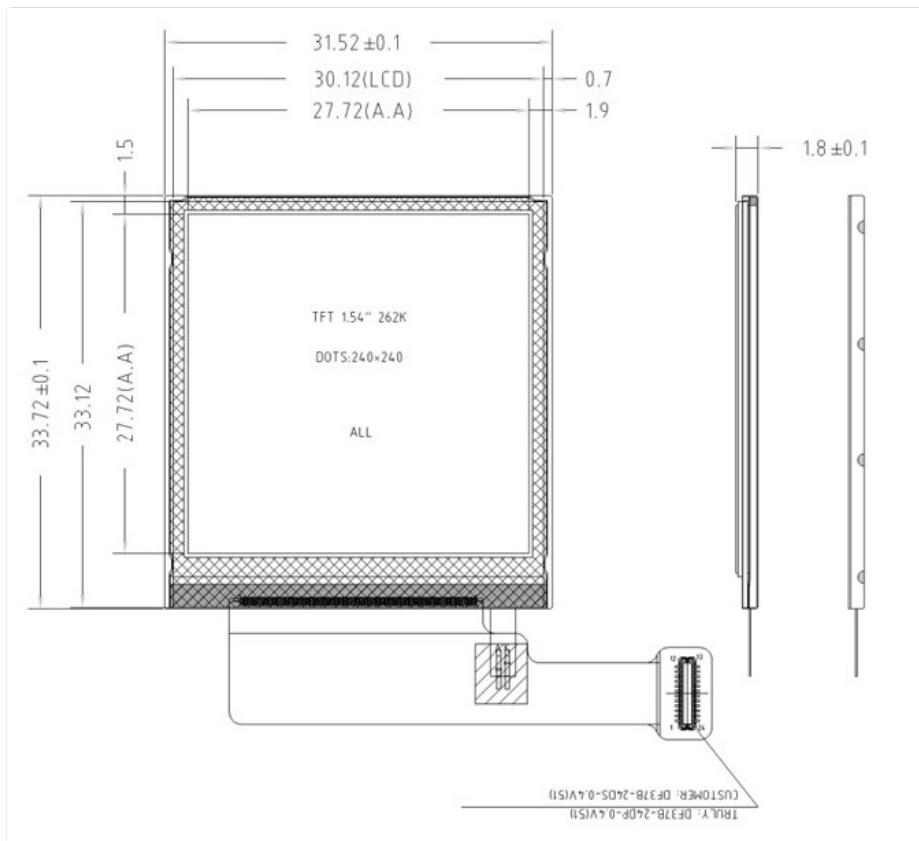
This 1.54-inch display features a diagonal size with 240×240 pixel resolution and an effective display area of approximately 27.72×27.72mm. The thin, lightweight design (common thickness around 2mm) incorporates IPS technology for full viewing angles up to 80°+ in all directions with vivid, transparent colors.

- Capacitive touchscreen with G+F or G+G structure
- Sensitive touch response supporting single-point or simple multi-point operations
- SPI/MCU + I<sup>2</sup>C touch interface compatibility
- Common driving chips: ST7789, GC9307
- 3.3V operating voltage with low power consumption
- Wide temperature operating range: -20°C to 70°C
- RoHS environmental compliance

#### Main Application Scenarios

- Smart wearable devices: smart watches, fitness trackers, health monitoring bracelets
- Portable medical instruments: blood glucose meters, blood pressure monitors, blood oxygen meters
- Smart home and IoT terminals: switch panels, environmental monitors, sensor gateways
- Small industrial control and handheld devices: barcode scanners, POS terminals, sensor displays
- Maker and DIY electronic projects: Arduino, ESP32 development boards, custom instruments





## 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 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, if you need to modify outline size or display content, a new LCD glass module is required. We will open new tooling for you.

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

That's all right. We can change the 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 you don't have one, please advise the outline size, display information (glass thickness, polarizer, display type, connector mode, storage temp, operating temp, supply voltage, viewing direction, drive condition), and we can customize for you.

### What is leading time for tooling?

Generally, it takes 15 to 25 days after drawing paper confirmation and tooling charge payment. We will report the exact time when you confirm the drawing paper.

### Can you send us samples for checking?

Yes. Sample orders are available.

### What is the Leading Time?

If we have stock for standard products, the lead time is one day after payment. For mass production of special orders, the lead time is about

15-30 days. If we can finish earlier, we will report the information in advance.



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