

## 2 Inch TFT LCD Screen with 240x320 Resolution and SPI RGB Interface for Industrial Applications

Our Product Introduction

### 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

- Screen Size: 2 Inches
- Fpc Connect: 26 Pins
- Technology: LCD
- Operating Temperature: -20°C To 70°C
- Overall Dimensions: 38.5\*52.05\*2.6mm
- Display Technology: TFT LCD
- Viewing Angle: All
- Interface: SPI+RGB Interface
- Highlight: 2 Inch TFT LCD Screen ,  
240x320 Resolution TFT Display,  
SPI RGB Interface LCD Display Module



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## Product Description

### 2 Inch 240x320 IPS TFT LCD Display with SPI+RGB Interface

#### Product Specifications

Product	2" TFT LCD	Touch Screen	Without Touch Screen (Customizable)
Resolution	240x320 Dots	Viewing Direction	ALL
Interface	SPI+RGB Interface	Pin Number	26 Pins
Connection	ZIF	Surface Luminance	250 Cd/m <sup>2</sup>
Operating Temp.	-20 to +70	Compliance	REACH & RoHS Compliant

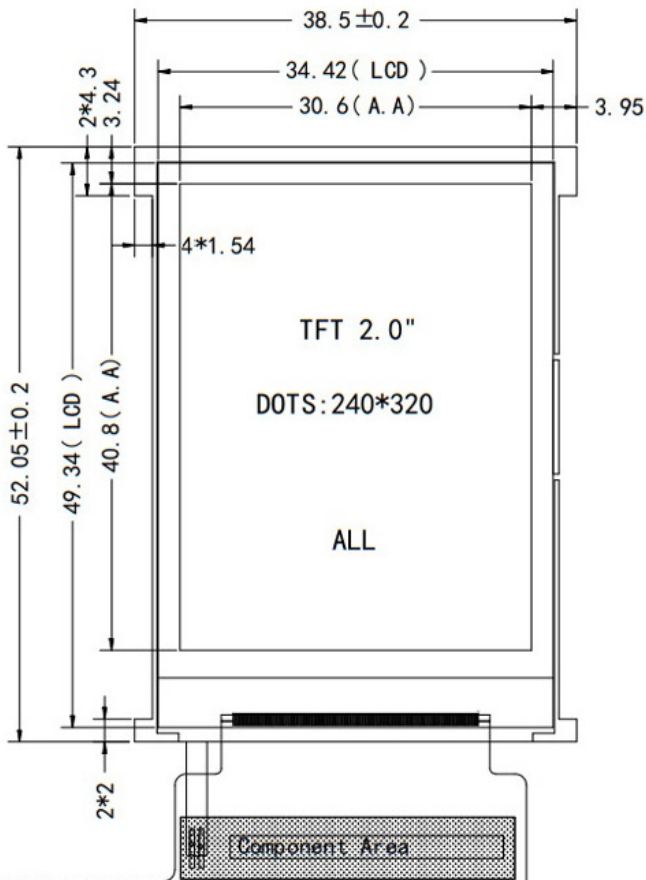
#### Key Features

- 2.0-inch diagonal round shape IPS TFT LCD display
- High resolution of 240x320 pixels for crisp image quality
- Full viewing angle with up to 85 degrees visibility in all directions
- Compact dimensions: 38.5x52.05x2.6mm
- Built-in driver IC ILI9335 for reliable performance
- Dual SPI+RGB interface for flexible connectivity options
- Touch screen customization available (CTP and RTP)
- Wide operating temperature range: -20°C to +70°C
- Storage temperature range: -30°C to +80°C

#### Applications

This versatile 2.0" TFT LCD module is ideal for black box systems, smart wearable devices, mobile POS terminals, cash readers, GPS handheld phones, handheld food ordering machines, signal analyzers, bench top laboratory equipment, security systems, home automation, mini audio players, baby monitors, and various other handheld devices.





NO.	PIN NAME	I/O	Description
1-2	LEDA	I	LED Anode
3	NC	-	-
4-6	LEDK	I	LED Cathode
7-8	GND	I	Ground
9	FMARK	I	Tearing effect output pin
10-11	GND	I	Ground
12	RESET	I	LCM Reset input signal
13	CS	I	Input pin for chip selection signal
14	SCL	I	SPI Clock Signal
15	VSYNC	I	Vertical Synchronizing Signal
16	HSYNC	I	Horizontal Synchronizing Signal
17	ENABLE	I	Input Data enable control
18	DOTCLK	I	Clock Signal to Sample each date
19-20	GND	I	Ground
21-26	R5-R0	I/O	Display Data I/O (R5-R0)
27-28	GND	I	Ground
29-34	G5-G0	I/O	Display Data I/O (G5-G0)
35-36	GND	I	Ground
37-42	B5-B0	I/O	Display Data I/O (B5-B0)
43-44	GND	I	Ground
45	SDI	I	SPI Interface Input Pin
46	SDO	I	Read strobe signal input pin
47-48	GND	I	Ground
49	IOVCC	I	Power Supply 2.8V/1.8V Voltage
50-51	VCC	I	Power Supply 2.8V Voltage

## Frequently Asked Questions

### I want an LCD display with 8 digits and outline size of 65x30x2.8mm. Is this possible?

Yes, we can accommodate custom specifications. Please provide your detailed specification document or drawing. If you don't have specifications, you can send samples, and we'll recommend suitable standard products or customize based on your requirements.

### This LCD is what we want, but the size is too large. Do you have smaller sizes? Also, we need to modify the display content slightly.

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

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

Yes, we can change the display type to STN as per your request.

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

Yes, we specialize in custom LCD modules. Please send your drawing document. If you don't have drawings, provide the outline size, display information (glass thickness, polarizer, display type, connector mode, storage temperature, operating temperature, supply voltage, viewing direction, drive conditions), and we'll customize accordingly.

### What is the lead time for tooling?

Typically, tooling takes 15 to 25 days after drawing confirmation and tooling charge payment. We'll provide the exact timeline once the drawing is confirmed.

### Can you send samples for evaluation?

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

### 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 approximately 15-30 days. We'll notify you in advance if we can complete production sooner.



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