

## 1.3 Inch Round TFT LCD Display with 240\*240 Resolution and 32.4mm Active Area for Smart Wearables

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO90001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-47WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



### Product Specification

- Dot Pitch: 0.0975\*0.0975
- Operating Temp: -20 ~ + 70
- Module Size: 44×44×3.09mm
- Backlight Leds: 2 LEDs
- Interface: SPI 4 Line BIT Interface
- Display Size: 1.3 Inch
- Viewing Direction: ALL O'CLOCK
- Active Area: 32.4(H) \* 32.4(V)
- Highlight: 1.3 Inch Round TFT LCD Display,  
240\*240 Resolution Round TFT LCD Display,  
32.4mm Active Area Round TFT LCD Display



### More Images



### 1.3-Inch Smart Wearable Round TFT LCD Display With A Resolution Of 240 \* 240

This high-performance 1.3-inch circular TFT LCD display features a 240\*240 resolution and advanced GC9A01 driver IC, making it ideal for smart wearables and compact devices.

#### Product Introduction

**Dimensions and Appearance:** The diagonal size is 1.3 inches, the physical shape is a flat circular form, the display area is 32.4mm×32.4mm, the overall size is usually around 35.5mm×38.23mm, the thickness is approximately 1.41-1.6mm, it is small and lightweight, suitable for integration into devices with limited space.

1.3-inch circular TFT LCD display

**Resolution and Display Effect:** The resolution is 240×240, which can provide clear image and text display on small-sized screens. It adopts TFT IPS technology, with high color reproduction accuracy, the display color can reach 262K, the colors are rich and natural, and it has full-view characteristics, the image will not show obvious color deviation or distortion from any direction including up, down, left and right when viewed.

**Backlight and Brightness:** The backlight type is generally WLED, the brightness is usually between 450cd/m<sup>2</sup> and 750cd/m<sup>2</sup>, some high-brightness products can have a brightness of over 1000cd/m<sup>2</sup>, it has the ability to be visible in sunlight, meeting the requirements for outdoor use.

**Interface Type:** Common interfaces are SPI interfaces, which have good compatibility and simple drivers, facilitating connection with various main control chips such as ESP32, STM32, etc., reducing development difficulty, suitable for DIY enthusiasts and engineers to develop products.

**Operating Temperature:** The general operating temperature range is -20 -70 , the storage temperature range is -30 -80 , it can adapt to a wide range of environmental temperature changes, ensuring stability in different usage scenarios.

#### Product Applications

**Smartwatch:** It is an ideal display component for smartwatches, capable of displaying time, date, heart rate, steps, notifications, etc. Its circular appearance is compatible with the watch face, providing a good visual experience and interactive interface.

**Smart bracelet:** It can be used in smart bracelets to display exercise data, sleep monitoring results, incoming call reminders, etc. The 1.3-inch screen is more informative than traditional bracelet screens and is easier to operate.

Smart bracelet equipped with a 1.3-inch circular TFT LCD display

**Mini game console:** When paired with an appropriate main control chip and game program, it can be made into a handheld mini game console, used to play simple casual games such as Snake, Tetris, etc., meeting users' entertainment needs.

Mini game console equipped with a 1.3-inch circular TFT LCD display

**Smart home control panel:** It can be used as a small smart home control panel to control lights, air conditioners, curtains, etc. Through touch operation, various functions can be switched and set, making it convenient for users to control the smart home system in close proximity indoors.

#### Technical Specifications

ITEM	Standard value	Unit
Size	1.3	Inch
LCD Type	Normally black	--
Drive element	TFT active matrix	--
Number of pixels	240*3RGB(H)X240(V)	Dots
Pixel arrangement	RGB stripe	--
Pixel Pitch (W*H)	0.0975*0.0975	mm
Active area	32.4(H) * 32.4(V)	mm
Mechanical Outline Size (W*H*T)	44*44*3.09	mm
Viewing direction	ALL O'CLOCK	-
LCM Driver IC	GC9A01	-
LCM interface	SPI 4 Line BIT Interface	-
LCM pin count	24	
Backlight LEDs	2	pcs

Backlight current	40	mA
Backlight voltage	3.2	V
Operating temperature	-20 to +70	
Storage temperature	-30 to +80	
Lumens degrees	500	cd/

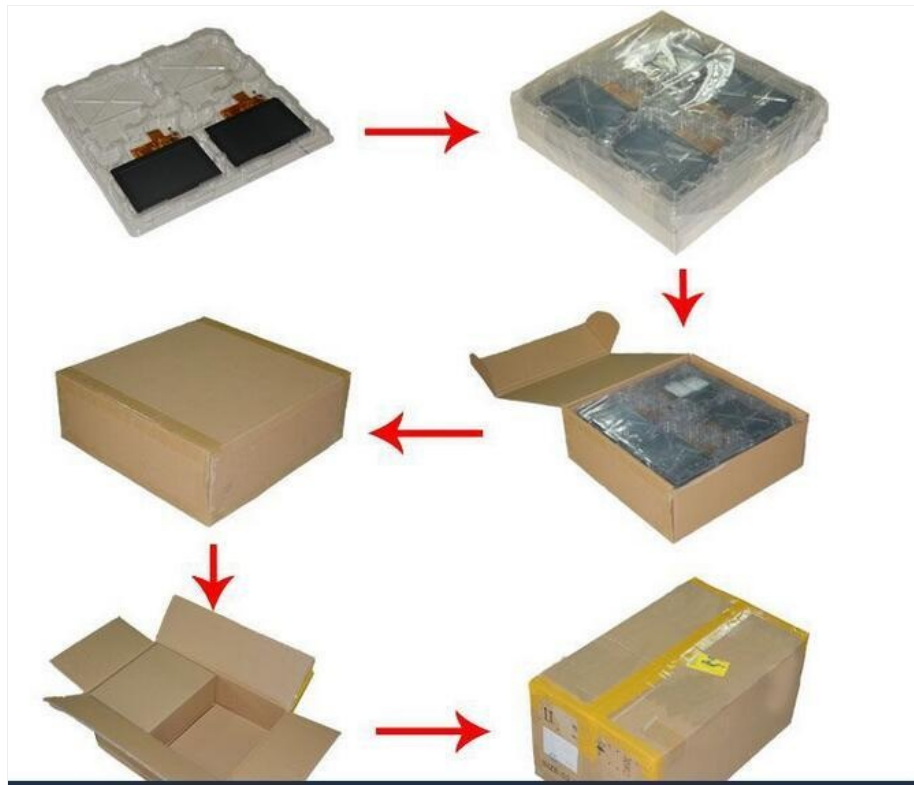
### Key Features

- **Innovative Circular Design:** Unique round shape ideal for smart wearables and compact devices
- **High Resolution:** 240\*240 pixel resolution with 0.0975mm pixel pitch for sharp image quality
- **360° Viewing Angle:** All-direction visibility without distortion or color shift
- **Advanced TFT Technology:** Active matrix display with fast response time and superior image quality
- **Versatile Applications:** Suitable for smartwatches, fitness trackers, medical devices, and smart home appliances
- **Compact Dimensions:** 44\*44\*3.09mm mechanical outline for easy integration
- **Robust Performance:** GC9A01 driver IC ensures reliable operation in various environments



### Packaging & Shipping

**Packaging Options:** Carton boxes, cupboard, EPE, blister tray. Custom packaging available based on product size and customer requirements.



**Shipping Methods:** DHL, FedEx, EMS, UPS, air shipping, or sea shipping available based on customer preference.

						
	2-7days	2-8days	2-7days	3-15days	2-5days	2-7days
<b>Notice</b>	<ol style="list-style-type: none"> <li>1. EMS for Brazil, Russia and Remote areas .</li> <li>2. SF for Hong Kong, Taiwan, South Korea, Japan, Thailand, Singapore and Malaysia .</li> <li>3. Having logo product can't be sent by FEDEX .</li> <li>4. The Brazil want to use FEDEX/DHL , need to offer CNPJ / CPF to us !</li> </ol>					

**Payment Methods:** Various payment options available for customer convenience.



**Dongguan Bibuke Electronic Technology Co., Ltd.**

+8613711912723

Jack@smartwinlcd.cn

lcdtftscreen.com

Shangyu Commercial Centre Chang'an, Dongguan, Guangdong, China 523881