

1.09 inch 240×240 Round TFT LCD Display with SPI 4W Interface for Wearable Devices

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

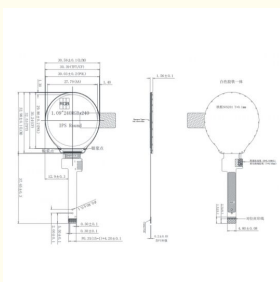


Product Specification

- Screen Size: 1.09 Inches
- Module Size: 30.59 (H) X 32.98 (V)
- Resolution: 240*240 Pixels
- Interface: SPI 4W
- Backlight Type: LED
- Pins Number: 15 PINS
- Active Area: 27.79 (H) X 27.79 (V)
- Fpc Connect: 10 Pins
- Highlight: **1.09 inch Round TFT LCD Display ,
240×240 resolution Round LCD Screen ,
SPI 4W interface Circular TFT Display**



More Images



Product Description

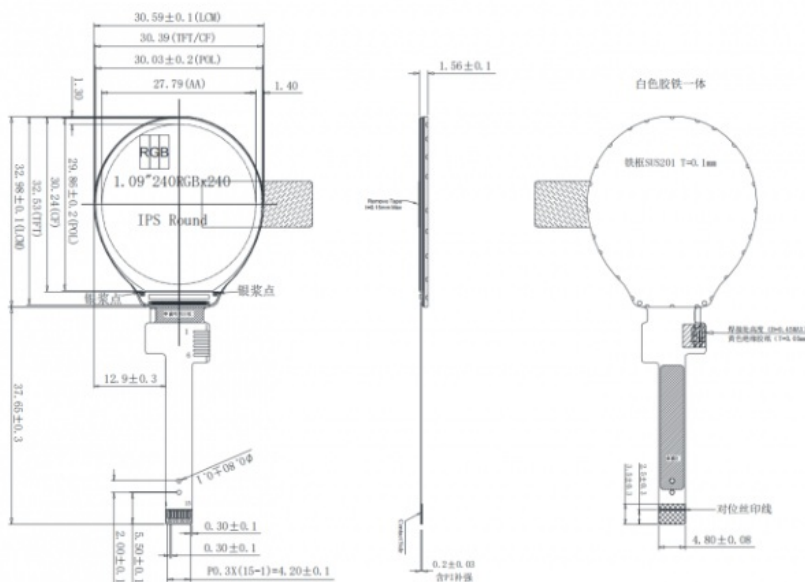
1.09 inch 240×240 GC9A01 Round TFT LCD Display

Product Overview

1.09" Round TFT LCD Module featuring a unique circular design with high-performance specifications, ideal for various electronic applications requiring compact, high-quality displays.

Technical Specifications

Parameter	Specification	Unit
Drive Element	a-Si TFT	-
LCM Outline Size	30.59 (H) x 32.98 (V)	mm
Active Area	27.79 (H) x 27.79 (V)	mm
Number of Pixels	240(H) × 240(V)	pixels
Pixel Arrangement	RGB Vertical Stripe	-
Pixel Pitch	0.1158 × 0.1158	mm
Display Color	262K	color
Viewing Direction	ALL	-
Controller / Driver	GC9A01	-
Data Interface	SPI 4W	-
Backlight	2 White LED	-
Weight	TBD	g



Product Features

Size & Resolution: 1.09-inch circular display with 27.79mm diameter active area and 240×240 pixel resolution for clear image quality

Driver Chip: GC9A01 controller supporting 262K colors for vibrant, realistic image reproduction

Interface: 4-wire SPI interface reduces pin count and simplifies integration with other devices

Brightness & Viewing: 400nits brightness ensures visibility in bright environments with full viewing angle capability

Power Efficiency: 3.0V operating voltage with sleep mode support for optimized power consumption in battery-powered devices

Temperature Range: Operating temperature of -20°C to 70°C for reliable performance in various environments

Applications

Wearable Devices: Smart watches, fitness trackers, and health monitoring devices

Industrial Instrument Panels: Small control panels and circular dial displays for parameter monitoring

Consumer Electronics: Smart home appliances, portable electronics, IoT devices, and handheld game consoles



Frequently Asked Questions

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

No problem. Please send us your specification or drawing. If unavailable, provide samples and we'll recommend suitable standard 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 needs to be changed a little.

For segment type LCD modules requiring size or content modifications, new LCD glass modules require custom tooling development.

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

Yes, we can modify the display type according to your specific requirements.

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

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

What is the lead time for tooling?

Typically 15 to 25 days after drawing confirmation and tooling payment. Exact timing will be confirmed upon drawing approval.

Can you send us samples for checking?

Yes, sample orders are available for evaluation.

What is the lead time?

Standard products in stock ship within one day after payment. Mass production for custom orders typically takes 15-30 days, with earlier completion updates provided when possible.



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