



1.3 Inch 240x240 Resolution SPI Interface IPS Panel TFT LCD Display Module

Our Product Introduction

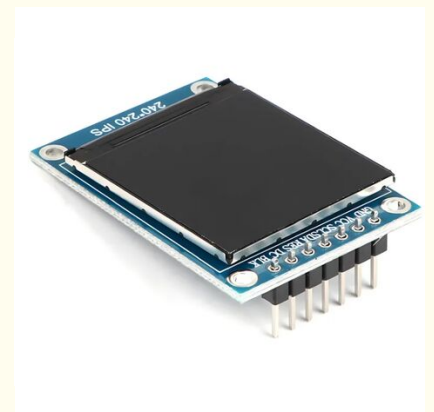
Basic Information

- 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

- Pins Number: 7 Pins
- Panel Type: LCD
- Interface: SPI
- Outline Size: 27.5(H) X 39.0(V) X 11.3(D) Mm
- Touchscreen: Customized
- Screentype: LCD TFT
- Light Source: White LED*6 (Customizable)
- Display Type: TFT LCD
- Highlight: **240x240 Resolution TFT LCD Display , SPI Interface LCD TFT Screen , IPS Panel TFT Display Module**



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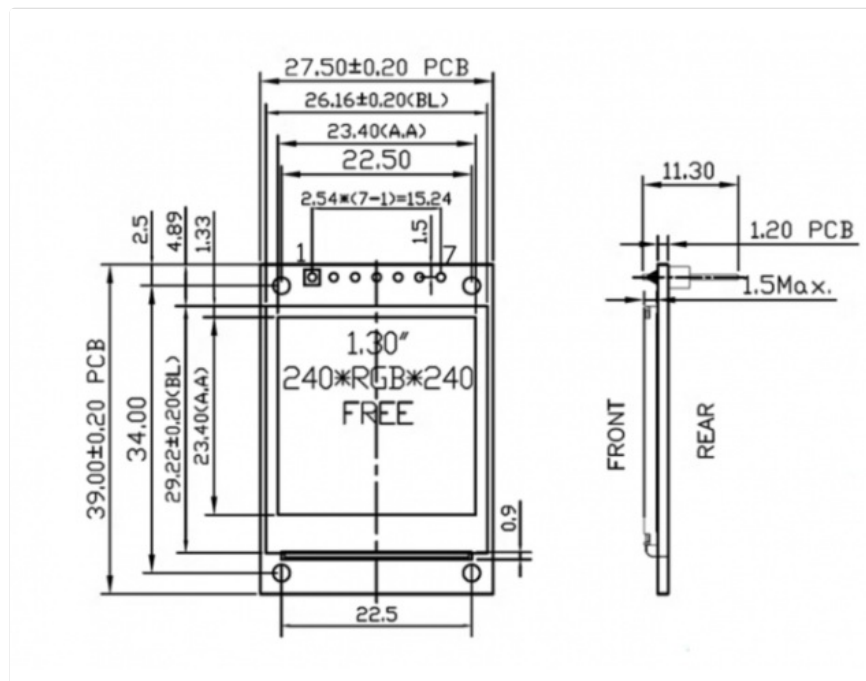
1.3" 240x240 3.3V 65K Full Color SPI TFT LCD Display Screen Module

High-performance square TFT LCD display module with IPS technology and SPI interface, ideal for embedded systems and industrial applications.

Technical Specifications

Parameter	Specification
Part Number	SFTM130JY-7181AN
LCD Size	1.3 inch (Diagonal)
Display Mode	Normally Black
Resolution	240(H)RGB × 240(V)
Dot Pitch	0.0975 (H) × 0.0975 (V) mm
Active Area	23.4 (H) × 23.4 (V) mm
Module Size	27.5 (H) × 39.0 (V) × 11.3 (D) mm
Color Arrangement	RGB Vertical Stripe
Interface	SPI
Drive IC	ST7789
Luminance	250 cd/m ² (Typical)
Viewing Direction	All View, IPS
Backlight	2 White LED
Operating Temperature	-20 to +70
Storage Temperature	-30 to +80

Module Drawing



Pin Definition

Pin No.	Name	I/O	Description
1	VCC	P	Power Supply for the chip, DC 3.3-5V
2	GND	P	Ground
3	SCL	I	Serial Clock pin (SPI)
4	SDA	I/O	Serial Data pin (SPI)
5	RES#	I	Reset signal input. Active Low.
6	DC	I	Data/Command control pin, SPI Choice/Command Choice
7	BLK	I	Backlight control, default floating, low level off

Product Overview

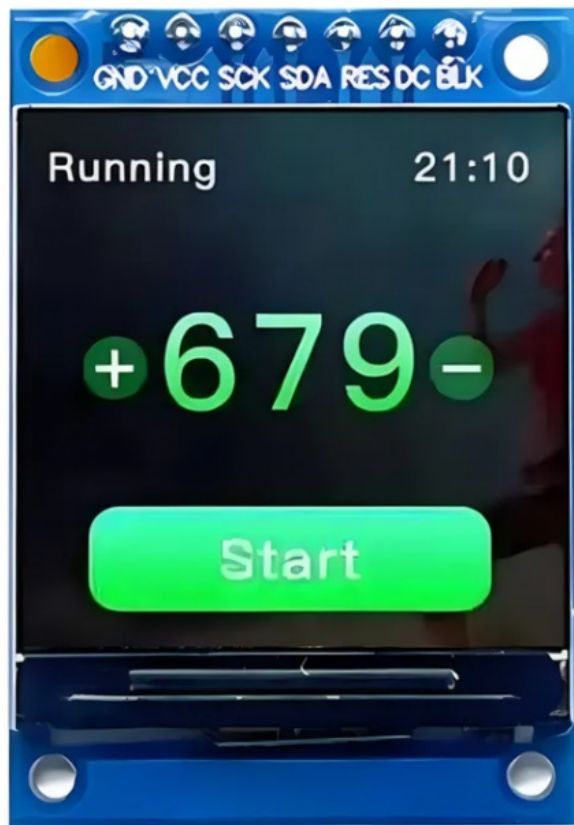
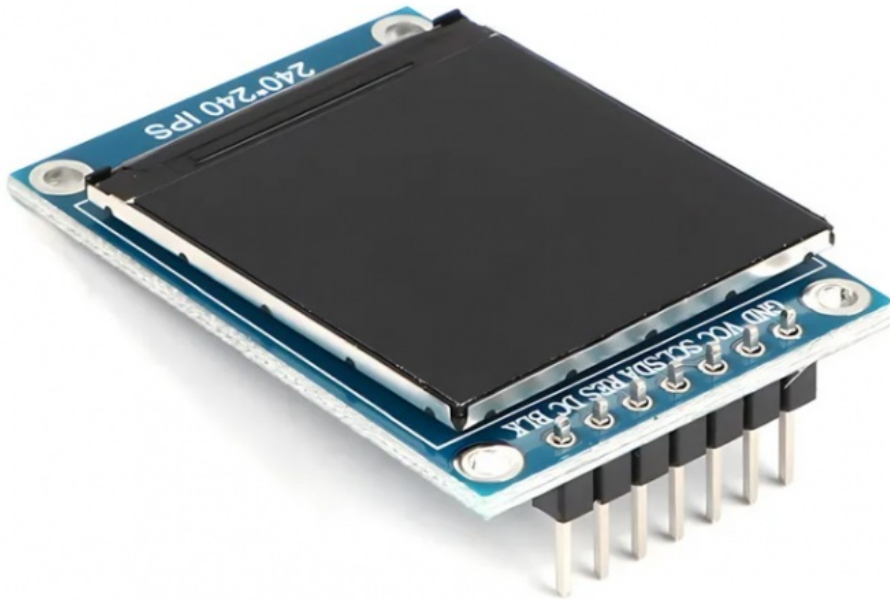
This square small-sized active-matrix TFT liquid crystal module features the ST7789 driver IC with 4-line SPI interface. Operating at 3.3V (requires level conversion for 5V systems), this IPS full-view panel delivers 240×240 pixel resolution with 65K colors (16-bit RGB). The compact 23.4×23.4mm display area and slim 2mm profile make it ideal for space-constrained applications.

Key Advantages

- IPS panel provides 178° wide viewing angle with minimal color shift
- SPI interface minimizes pin count requirements
- Compatible with Arduino, STM32, Raspberry Pi and other embedded platforms
- 3.3V low voltage operation suitable for battery-powered devices
- Adjustable backlight brightness for power optimization
- Superior visual quality compared to monochrome OLED displays

Typical Applications

- Smart Wearables:** Smart watches, fitness trackers, sports camera displays
- Maker Projects:** Arduino/Raspberry Pi debugging panels, DIY clocks, weather stations
- Industrial Instruments:** PLC status panels, handheld diagnostic equipment
- Medical Devices:** Portable pulse oximeters, heart rate monitors
- IoT & Smart Home:** Gateway displays, environmental sensors, appliance controls
- Consumer Electronics:** TWS earphone displays, Bluetooth speaker interfaces



Frequently Asked Questions

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

Yes, we can accommodate custom requirements. Please provide your specifications or drawings. If you don't have specifications, we can recommend suitable standard products or create custom solutions based on your samples and requirements.

This LCD is what we need, but the size is too large. Do you have smaller options with modified display content?

For segment type LCD modules requiring size or content modifications, we can create new LCD glass modules with custom tooling to meet your exact specifications.

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

Absolutely. We can modify the display type to STN or other technologies according to your specific requirements.

Can you customize a new LCD module for our application?

Yes, we specialize in custom LCD solutions. Please provide your drawings or specifications including outline size, display information, glass thickness, polarizer type, display type, connector mode, temperature ranges, supply voltage, and viewing direction requirements.

What is the lead time for custom tooling?

Custom tooling typically requires 15-25 days after drawing confirmation and tooling charge payment. We will provide exact timelines upon project confirmation.

Can you provide samples for evaluation?

Yes, sample orders are available for both standard and custom products.

What is your standard lead time for production?

For standard products in stock, lead time is one day after payment. Mass production for custom orders typically requires 15-30 days. We will notify you immediately if we can complete your order ahead of schedule.



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