



0.96 Inch TFT LCD Screen with SPI Interface and 80x160 Pixels Resolution ST7735 Driver IC

Our Product Introduction

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

- Backlight Technology: LED
- Touchscreen: Optional Resistive Or Capacitive
- AA Size: 10.8(H) X 21.7 (V) Mm
- Storage Temperature: -30°C To 80°C
- Screen Size: 0.96 Inches
- Backlight Type: LED
- Backlight: 1 White LED
- Surface Luminance: 260 Cd/m2(nits)
- Highlight: **0.96 Inch TFT LCD Screen, SPI Interface TFT Display, 80x160 Pixels LCD Module**



More Images



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Product Description

0.96 Inch TFT LCD SPI Interface 80x160 Pixels ST7735 Driver IC

Product:	0.96 Inch TFT LCD	Resolution:	80x160 Dots
Viewing Direction:	IPS, Free Viewing Angle	Interface:	SPI Interface
Pin Number:	8 Pins	Connection:	Plugging
Touch Screen:	Without	Cover Glass:	Customizable
Surface Luminance:	260 Cd/m ² (nits)	LED Lifetime:	40,000 Hours
Certificate:	ISO9001:2015 / ISO1400:2015	Compliance:	Rohs & Reach Compliant

Product Introduction

Despite their small size, small TFT LCD screens are widely used in industries such as smart wearable devices, instruments, digital cameras, electronic tags, communication devices, and smart homes. This 0.96-inch small-sized TFT display SFTO096JY-7183AN adopts SPI interface (serial peripheral interface), which is a high-speed, full duplex, synchronous communication bus that only occupies four lines on the chip pins, saving space for chip pins and PCB layout.

SFTO096JY-7183AN is a full-color TFT LCD display with a diagonal size of 0.96 inches and a resolution of 80x160. This module supports SPI interface, making it very convenient for users to program and use. The module size of SFTO096JY-7183AN model is 13.5x27.9x1.5 mm, and the active area size is 10.8x21.7mm.

The IPS technology used in the product ensures that users can experience the panoramic view of the screen and an excellent user experience from any direction. The ST7735 controller is integrated into the module, with a logic power supply voltage range of 3.0V to 3.4V. It can operate within a temperature range of -20°C to +70°C, and its storage temperature range is -30°C to +80°C. The FPC of SFTO096JY-7183AN can be customized according to user requirements and can be equipped with newly designed resistive touch screen (RTP) or capacitive touch screen.

Product Features

Wide viewing angle: Utilizing IPS technology, it offers excellent viewing angles, typically reaching around 160°. When viewing the screen from different angles, the color and contrast changes are minimal.

Fast response speed: The response speed is fast, without any ghosting. When displaying dynamic menus or scrolling text, it can maintain smoothness.

Flexible display modes: The ST7735 driver IC supports various display functions, such as gamma correction, display direction rotation (0°, 90°, 180°, 270°), etc., making it convenient for users to adjust the display layout according to their actual needs.

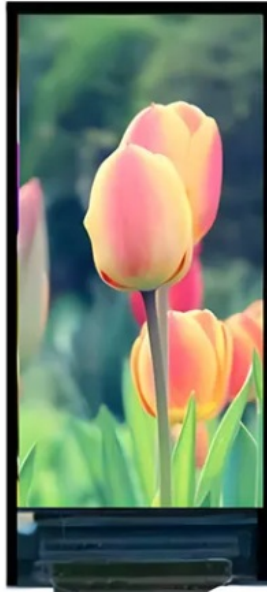
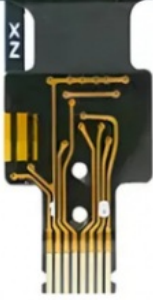
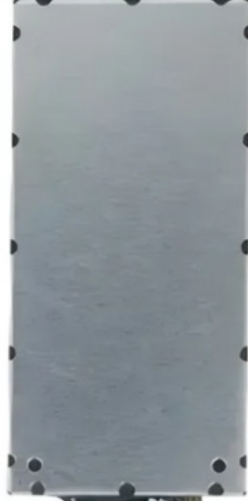
Applications

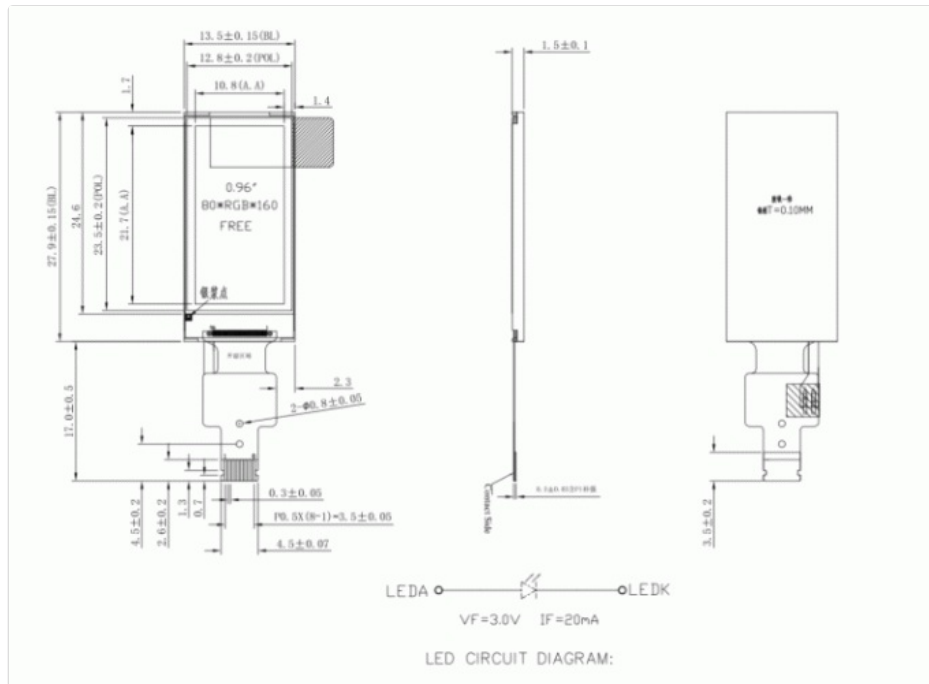
Wearable devices: Due to their small size and low power consumption, they are suitable for embedding in wearable devices such as smart watches and smart bands, used to display information such as time, steps, and heart rate.

Smart home: It can serve as a status display for smart home devices, such as smart thermometers, humidity meters, smart locks, etc., displaying the status of the devices and related data in real time.

Embedded systems: Widely used in various embedded projects based on microcontrollers, such as portable measuring instruments, handheld controllers, etc., used to display measurement results, operation menus, and other contents.

DIY projects: Highly favored by electronic enthusiasts and makers, they can be used to create DIY works like retro game consoles, electronic clocks, and simple oscilloscopes, adding display functions to the projects.





Frequently Asked Questions

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

No problem. Firstly, please kindly send us your specification/drawing paper. If you have not the specification, you can also provide your samples; we will recommend the suitable one if it is standard products. Or we can customize for you based on your own requirement.

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 the segment type LCD module, if you need modify the outline size or display content, a new LCD glass module is need. We have to 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 for you as per you request.

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

Yes, we can. Please send your drawing paper. If you have not, please advise me the outline size of the LCD display, display information (Glass thickness, Polarizer, Display Type, Connector mode, Storage Temp., Operating Temp., Supply Voltage, Viewing direction, drive condition), we can customize for you.

What is leading time for tooling?

General speaking, it will cost 15 to 25 days after drawing paper confirmation and tooling charge payment, we can report you the exact time when you confirm the drawing paper.

Can you send us samples for checking?

Yes. Samples order is available.

What is the Leading Time?

If we have stock for the standard ones, the leading time is one day after payment. If it is the mass production for special ones, the leading time is about 15-30 days. Suppose we can finish earlier, we will report the information in advanced.



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