

TN Transflective Custom Small LCD Display Module with 3.0V Voltage and SPI Interface

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

- Resolution: Customized
- Drive: ST7789V
- Voltage: 3.0V
- Interface Type: SPI
- Storage Temperature: - 10°C To + 60°C
- Brightness: 300 Cd/m²
- Highlight: **TN transflective LCD display module, custom small LCD positive display, small LCD module with warranty**



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Product Description

TN Transflective Custom Small LCD Positive Display Module

This TN transflective custom small LCD positive display module utilizes reflective twisted nematic liquid crystal technology to deliver clear, energy-efficient display performance. The module offers customizable dimensions, display content, and interface types to meet specific application requirements.

Key Specifications

Parameter	Specification
Display Type	Custom LCD Display
Backlight	White LED
Operating Voltage	3.0V
Connector	FPC
Driving Method	1/4 Duty, 1/3 Bias
Polarizer Type	Transmissive, Transflective

Detailed Technical Parameters

Item	Parameter	Value
1	LCD Type	TN LCD Display
2	Outline Size	55mm (L) × 14.6mm (W) × 1.1mm (T)
3	Viewing Area	50mm (L) × 10mm (W)
4	Viewing Direction	6 O'clock
5	Voltage	3.0V
6	Display Mode	Positive or Negative
7	Polarizer Mode	Transmissive
8	Operating Temperature	0°C to +50°C
9	Storage Temperature	-10°C to +60°C
10	LED Connection	Metal Pin

Product Technology Overview

The TN reflective custom small LCD positive display module employs reflective twisted nematic liquid crystal material for image display. When no electrical signal is applied, the liquid crystal molecules distort light, reflecting ambient light to display white. When an appropriate electrical signal is applied, the liquid crystal molecular arrangement changes, altering light transmittance to display black in corresponding areas, thereby presenting various patterns and characters.

Key Features

- Fully customizable dimensions, display content, and interface types
- Gray background with black characters for high contrast and clear display
- No backlight panel required - operates using ambient light reflection
- Exceptionally low power consumption
- Cost-effective solution for various applications

Application Areas

This display module is widely used across multiple industries due to its low cost and minimal power requirements:

Portable Medical Devices: Electronic thermometers, blood glucose meters, and other handheld medical instruments

Consumer Electronics: Handheld calculators, simple game consoles, and portable devices

Home Appliances: Control panels for microwave ovens, air conditioners, refrigerators













Industrial Equipment: Display components for small instruments, controllers, and monitoring devices

DIY Electronics & Embedded Systems: Information display for electronic projects and development boards

Product Visuals



		Mono	UNI2832-02	128x32	White	30.0x11.5x1.2	22.384x5.584	0.175x0.175	0.159x0.159	SSD1306	DC	-40~85°C	-40~85°C	Soldering	14P
	0.01	Mono	UNI2832-03	128x32	Blue	30.0x11.5x1.2	22.384x5.584	0.175x0.175	0.159x0.159	SSD1306	DC	-40~85°C	-40~85°C	Soldering	14P
		Mono	UNI2832-04	128x32	White	30.0x11.5x1.2	22.384x5.584	0.175x0.175	0.159x0.159	SSD1306	SPI	-40~85°C	-40~85°C	Soldering	15P
		Mono	UNI2832-05	128x32	Blue	30.0x11.5x1.2	22.384x5.584	0.175x0.175	0.159x0.159	SSD1306	SPI	-40~85°C	-40~85°C	Soldering	15P
		0.096 new	Mono	UNI2864-41	128x64	White	24.74x16.9x1.42	21.74x10.86	0.17x0.17	0.15x0.15	SSD1315	3-/4-wire SPI, DC	-40~85°C	-40~85°C	Soldering
	Mono		UNI2864-42	128x64	Blue	24.74x16.9x1.42	21.74x10.86	0.17x0.17	0.15x0.15	SSD1315	3-/4-wire SPI, DC	-40~85°C	-40~85°C	Soldering	30P
	Mono		UNI2864-43	128x64	Yellow&Blue	24.74x16.9x1.42	21.74x10.86	0.17x0.17	0.15x0.15	SSD1315	3-/4-wire SPI, DC	-40~85°C	-40~85°C	Soldering	30P
	Mono		UNI2864-01	128x64	White	26.70x19.26x1.4	21.744x10.864	0.17x0.17	0.154x0.154	SSD1306	8-bit Parallel, 3-/4-wire SPI, DC	-40~85°C	-40~85°C	Soldering	30P
	0.096	Mono	UNI2864-02	128x64	Blue	26.70x19.26x1.4	21.744x10.864	0.17x0.17	0.154x0.154	SSD1306	8-bit Parallel, 3-/4-wire SPI, DC	-40~85°C	-40~85°C	Soldering	30P
		Mono	UNI2864-03	128x64	Yellow&Blue	26.70x19.26x1.4	21.744x10.864	0.17x0.17	0.154x0.154	SSD1306	8-bit Parallel, 3-/4-wire SPI, DC	-40~85°C	-40~85°C	Soldering	30P
		Mono	UNI2864-04	128x64	White	26.70x19.26x1.4	21.744x10.864	0.17x0.17	0.154x0.154	SSD1306	8-bit Parallel, 3-/4-wire SPI, DC	-40~85°C	-40~85°C	Soldering	30P
		Mono	UN64128-01	64x128	White	14.0x28.0x1.22	10.86x21.74	0.17x0.17	0.15x0.15	SSD1312	SPI, DC	-40~85°C	-40~85°C	Soldering	13P

	1.3	Mono	UNI12864-70	128x64	White	34.5x23.0x1.4	29.42-34.7	0.23 ± 0.23	0.21±0.21	SH1106 (SSD1306)	8-bit Parallel, 3-4-wire SPI, DC	-40~85°C	-40~85°C	Soldering	30P
		Mono	UNI12864-71	128x64	Blue	34.5x23.0x1.4	29.42-34.7	0.23 ± 0.23	0.21±0.21	SH1106	8-bit Parallel, 3-4-wire SPI, DC	-40~85°C	-40~85°C	Soldering	30P
		Mono	UNI12864-72	128x64	White	34.5x23.0x1.4	29.42-34.7	0.23 ± 0.23	0.21±0.21	SH1106	4-wire SPI	-40~85°C	-40~85°C	Connector	30P
		Mono	UNI12864-73	128x64	Blue	34.5x23.0x1.4	29.42-34.7	0.23 ± 0.23	0.21±0.21	SH1106	4-wire SPI	-40~85°C	-40~85°C	Connector	30P
		Mono	UNI12864-74	128x64	White	34.5x23.0x1.4	29.42-34.7	0.23 ± 0.23	0.21±0.21	SH1106	4-wire SPI	-40~85°C	-40~85°C	Connector	16P
		Mono	UNI12864-75	128x64	Blue	34.5x23.0x1.4	29.42-34.7	0.23 ± 0.23	0.21±0.21	SH1106	4-wire SPI	-40~85°C	-40~85°C	Connector	16P
		Mono	UNI12864-76	64 x128	White	17.1x35.8x1.43	14.7x29.42	0.23 ± 0.23	0.21±0.21	SSD1312	SPI, DC	-40~85°C	-40~85°C	Soldering	13P
	1.32	Mono	UNI12896-01	128x96	White	32.5x29.2x1.61	26.86x20.14	0.21±0.21	0.19 ±0.19	SSD1327	8 bit Parallel, 4-wire SPI, DC	-40~70°C	-40~85°C	Soldering	25P
	1.5	Mono	UNI128128-	128x128	White	33.8x36.5x1.41	26.86x26.86	0.21±0.21	0.19 ±0.19	SSD1327	8 bit Parallel, 4-wire SPI, DC	-40~70°C	-40~85°C	Soldering	25P
		Mono	UNI12812801	128x128	Yellow	33.8 x36.5 x1.41	26.86 x26.86	0.21±0.21	0.19 ±0.19	SSD1327	8 bit Parallel, 4-wire SPI, DC	-40~70°C	-40~85°C	Soldering	25P
	1.54	Mono	UNI12864-90	128x64	White	42.04x27.22x1.8	35.052x17.516	0.274±0.274	0.256±0.254	SFD0301	8 bit Parallel, 4-wire SPI, DC	-40~70°C	-40~85°C	Connector	24P
		Mono	UNI12864-91	128x64	Blue	42.04x27.22x1.8	35.052x17.516	0.274±0.274	0.256±0.254	SFD0301	8 bit Parallel, 4-wire SPI, DC	-40~70°C	-40~85°C	Connector	24P



Dongguan Bibuke Electronic Technology Co., Ltd.



+8613711912723



Jack@smartwinlcd.cn



lcdftscreen.com

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