

## 3.51 Inch 340x800 MIPI Interface IPS TFT LCD Display Screen with Full Viewing Angle

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

- Overall Dimensions: 36.67(H) X 88.45(V) X 1.61(T) Mm
- Backlight Technology: LED
- Screen Size: 3.51 Inches
- Viewing Angle: IPS Full Viewing Angle(80/80/80/80)
- Light Source: LED
- Connectivity: Plugging (customizable)
- Screen Type: LCD TFT
- Surface Luminance: 580 Cd/m2 (nits)
- Highlight: **3.51 inch TFT LCD Display ,  
340x800 resolution IPS TFT Screen ,  
MIPI interface LCD Display Module**



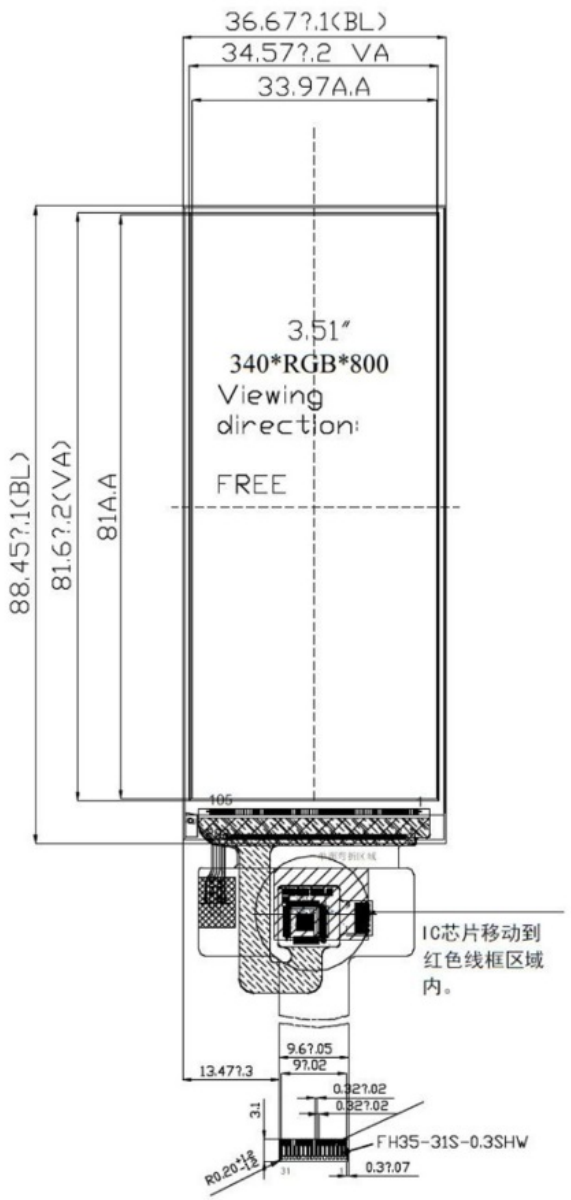
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### 3.51" Inch 340x800 MIPI Interface IPS TFT LCD Display Screen

#### Product Specifications

Product	3.51" TFT Portrait
Resolution	340x800
Driver IC	ST77001S or Equivalent
Outline Dimension	36.67(H) X 88.45(V) X 1.61(T) mm
Surface Luminance	580 Cd/m2 (nits)
Touch Screen	Capacitive Touch Panel (CTP) Optional
Viewing Direction	IPS Full Viewing Angle(80/80/80/80)
Pin Number	31 Pins
Connection	Plugging (Can Be Customized)
Interface	MIPI

#### Product Drawings



NO	SYMBOL	FUNCTION
1	DP3_NC	NC
2	DN3_NC	NC
3	GND	Ground.
4	DP2_NC	NC
5	DN2_NC	NC
6	GND	Ground.
7	DP1	MIPI DSI differential data pair.
8	DN1	MIPI DSI differential data pair.
9	GND	Ground.
10	DP0	MIPI DSI differential data pair.
11	DN0	MIPI DSI differential data pair.
12	GND	Ground.
13	TCP	MIPI DSI differential clock pair.
14	TCN	MIPI DSI differential clock pair.
15	GND	Ground.
16	RESET	Reset Signal input pin.
17	TE	Tearing effect signal is used to synchronize MCU to frame memory writing.
18	LED-	Power Supply For LED Backlight Cathode Input.
19-20	NC	NC
21	LED+	Power Supply For LED Backlight Anode Input.
22	NC	NC
23	VDD	Power Supply For LCD.(2.5-3.3V)
24	VDDIO	Power Supply For I/O. (1.65-3.3V)
25	NC	NC
26	TP_SDA	I2C data input and output.
27	TP_SCL	I2C clock input.
28	TP_INT	Interrupt request to the host, or Wakeup request from the host.
29	TP_RESET	External Reset, Low is active.
30	TP_VDD	Power Supply For CTP.
31	GND	Ground.

## Product Overview

This high-performance display module is specifically designed for vertical narrow and long scenarios. With a resolution of 340×800 and display area of 33.97×81mm, it presents an optimal slender strip-shaped display form.

## Technical Features

- IPS (planar conversion) technology with full-view display capability (80° in all directions)
- 16.7 million colors display with rich and realistic color reproduction
- Brightness range: 330~580 cd/m<sup>2</sup> (customizable) with strong outdoor visibility
- White LED backlight with optional capacitive touch panels (CTP On-Cell/In-Cell)
- Ultra-thin design at 1.6mm thickness for compact device integration
- Operating temperature: -20 to 70 , Storage temperature: -30 to 80
- MIPI DSI high-speed interface with low power consumption and strong anti-interference

## Typical Applications

- Smart Transportation/Vehicle:** Electric vehicle instrument panels, rearview mirror auxiliary screens, HUD sub-screens
- Portable Medical Equipment:** Handheld ECG monitors, blood glucose meters, blood oxygen meters
- IoT and Smart Home:** Smart locks, visible doorbells, gateways, environmental monitoring devices
- Industrial Control and Instruments:** PLCs, frequency converters, flow meters, pressure controllers
- Consumer Electronics:** Smart wristbands, fitness equipment, portable printers, Raspberry Pi projects



### Frequently Asked Questions

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

Yes, please send us your specifications or drawing. If you don't have specifications, provide samples and we'll recommend suitable products or customize based on your requirements.

**This LCD is what we want, but it's too big. Do you have smaller sizes?**

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

**Can you change HTN type to STN type?**

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

**Can you customize a new LCD module?**

Yes, we provide full customization services. Please send your drawing or provide outline size, display information, glass thickness, polarizer type, display type, connector mode, temperature specifications, and drive conditions.

**What is the lead time for tooling?**

Typically 15 to 25 days after drawing confirmation and tooling charge payment. We'll provide exact timelines upon drawing approval.

**Can you send samples for evaluation?**

Yes, sample orders are available for testing and evaluation.

**What is the production lead time?**

Standard products in stock: 1 day after payment. Mass production for custom orders: 15-30 days. We'll notify you if we can complete earlier.



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