FSTN 7 Segment LCD Display Module Customized PCB Board White Backlight LCD Display

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO90001 RoHS
- Model Number: BBI-001
- 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

- Name: 7 Segment LCD Display Module
- Production Capacity: 800000000pieces/Year
- Connector: COB+PIN
- Driver IC: HT1623
- Voltage: 5.0V
- Lcd Type: FSTN, Positive
- Backlight: White
- Highlight: **FSTN 7 Segment LCD Display**, **7 Segment LCD Display Module**, **White Backlight LCD Display**

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Product Description

The **HT1623** is an LCD driver IC commonly used to control segment-based LCDs. It's designed for microcontroller-based applications where a low-power, cost-effective LCD solution is needed.

Key Features:

- **Driver for Static & Multiplexed LCDs:** Supports up to **256 segments**.
- **Serial Interface:** Communicates via a **3-wire SPI-like interface**.
- **Low Power Consumption:** Ideal for battery-powered applications.
- **Integrated Bias Voltage Generator:** Supports **1/2 or 1/3 bias driving**.
- **Internal Oscillator:** Reduces the need for an external clock.
- **Wide Operating Voltage:** Typically **2.4V to 5.5V**.
- **Built-in RAM:** Stores display data to reduce microcontroller workload.

Pinout Overview:

- **CS** (Chip Select) – Enables communication.
- **CLK** (Clock) – Serial data clock input.
- **DATA** – Serial data input.
- **VDD** / **VSS** – Power supply.

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- **VLCD** – LCD drive voltage.
- **SEGx / COMx** – LCD segment and common outputs.

Detailed Parameters:

NO.	ITEM	SPECIFICATIONS
1	Product Name	FSTN Segment LCD Display
2	LCD Type	FSTN positive, transmissive
3	Viewing Angle	12 O'clock
4	Drive Method	1/8 Duty, 1/4 Bias, 5.0V
5	Operating Temperature	-30~+80
6	Storage Temperature	-40~+90
7	Connector	PIN, 39 numbers
8	Backlight	LED, White
9	Driver IC	HT1623
9	Outline Dimension	95.85(W)* 90.55(H)* 10.60(T) mm
10	LCD View Area	60(W)* 40(H) mm

CHARACTER / GRAPHIC TYPE LCD MODULES LIST:

Model	Content (WXH)	Module size WxH (mm)	View area WxH (mm)	Dot size WxH (mm)	Dot pitch WxH (mm)	Driving Method	Controller LSI or Equiv	IC Package	STN-TYPE	FSTN-TYPE

8D-C2004A	20X4	98.00X60.00	76.00X25.52	0.555X0.555	2.95X4.75	1/16	S6A0069	COB	Y	Y
8D-C2004B	20X4	77.00X47.00	60.00X22.00	0.42X0.46	2.3X4.03	1/16	S6A0070	COB	Y	Y
8D-C2004C	20X4	146.00X62.50	123.5X43.0	0.92X1.1	4.84X9.22	1/16	S6A0069	COB	Y	Y
8D-C2402A	24X2	118.00X36.00	93.5X16.0	0.6X0.65	3.2X5.55	1/16	S6A0069	COB	Y	Y
8D-C2402B	24X2	208.00X40.00	178.0X23.0	1.16X1.16	6.0X9.63	1/16	S6A0069	COB	Y	Y
8D-C4001A	40X1	182.00X33.5	154.4X16.5	0.6X0.75	3.2X6.35	1/16	S6A0069	COB	Y	Y
8D-C4002B	40X2	182.00X33.5	154.4X16.5	0.6X0.65	3.2X5.55	1/16	S6A0069	COB	Y	Y
8DC4004A	40X4	190.00X54.0	147.0X29.5	0.5X0.55	2.78X4.89	1/16	S6A0069	COB	Y	Y
8D-G12232A	122X32	84.00X44.0	60.00X18.5	0.44X0.4	0.44X0.44	1/32	SED1520	COB	Y	Y
8D-G12232B	122X32	80.00X36.0	55.00X18.5	0.36X0.41	0.4X0.45	1/32	SED1520	COB	Y	Y

8D-G12232C	122X32	98.0X60.0	76.0X25.2	0.553X0.61	0.57X0.65	1/32	SED1520	COB	Y	Y	
8D-G12232D	122X32	80.2X47.4	76.0X25.2	0.553X0.61	0.57X0.65	1/32	SED1520	COB	Y	Y	
8D-G12864A	128X64	78.0X70.0	62.0X44.0	0.39X0.55	0.44X0.6	1/64	S6B0108A	COB	Y	Y	
8D-G12864B	128X64	105.0X60.5	72.0X40.0	0.48X0.48	0.52X0.52	1/64	S6B0108A	COB	Y	Y	
8D-G12864C	128X64	93.0X70.0	72.0X40.0	0.48X0.48	0.52X0.52	1/64	S6B0108A	COB	Y	Y	
8D-G12864D	128X64	113.0X65.0	72.0X40.0	0.48X0.48	0.52X0.52	1/64	S6B0108A	COB	Y	Y	
8D-G12864E	128X64	93.0X70.0	72.0X40.0	0.48X0.48	0.52X0.52	1/64	ST7920	COB	Y	Y	
8D-G19264A	192X64	130X65.0	104.0X39.0	0.466X0.466	0.51X0.51	1/64	S6B0108A	COB	Y	Y	
8D-G19264B	192X64	120X62.0	104.0X39.0	0.466X0.466	0.51X0.51	1/64	S6B0108A	COB	Y	Y	

8D-G24064B	240X64	180.0X65.0	132.0X39.0	0.53X0.53	0.49X0.49	1/64	T6963C	QFP/COB	Y	Y
8D-G24012 8A	240X128	144X104	114X64	0.4X0.4	0.45X0.45	1/128	T6963C	QFP/COB	Y	Y