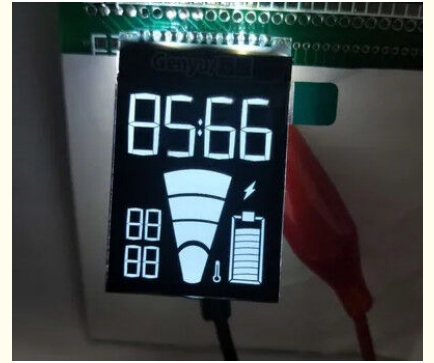


COG LCD Display with ST7035 Driver Chip and I2C Interface for Wide Temperature Range (-30~+70) Applications

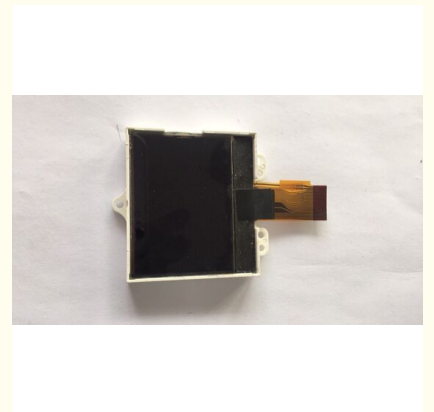
Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Model Number: BBI-001
- Minimum Order Quantity: 1000
- Price: 0.78-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 300000/MONTH



Product Specification

- Name: Segmented LCD Display
- Controller: ST7567
- LCD Viewing Area: 22.6(W)* 29.0(H) Mm
- Module Size: 25.0(W)* 37.9(H)* 3.8(T) Mm
- Drive Voltage: 3.7V
- Resolution: Varies Depending On Model
- Application: Industrial, Medical, Automotive, Etc.
- Operate Temperature: -30~+70
- Highlight: **Black Segmented LCD Display, Segmented LCD Display ST7035 I2C, ST7035 I2C LCD Transmissive Screen**



Product Description

COG+PIN Black Segmented LCD Display ST7035 I2C LCD Transmissive Screen

How COG Segment LCDs Work

Glass Substrate: The display is built on a glass panel containing liquid crystal cells.

Integrated Driver: The driver IC is mounted directly on the glass, controlling individual segments and eliminating the need for flexible PCBs or external wiring.

Polarization: Liquid crystals align between two polarizing layers, blocking or allowing light passage when voltage is applied.

Segment Configuration: Features a matrix of segments that activate to form numbers, letters, or custom symbols.

Detailed Specifications

Product Name	COG LCD Display	LCD Type	Segmented
Module Size	25.0(W) × 37.9(H) × 3.8(T) mm	Display Mode	VA, Negative
LCD Viewing Area	22.6(W) × 29.0(H) mm	Polarizer Type	Transmissive
Operating Temperature	-30°C to +70°C	LED Backlight	White
Drive Method	1/1 Duty, 1/2 Bias	Working Voltage	3.7V
Viewing Angle	6 O'clock	Connection Method	COG+PIN

Technical Features

Driver Chip: ST7035 driver chip designed specifically for pen segment LCD displays, capable of showing static or dynamic information including numbers and characters.

Interface Type: I2C compatible interface requiring only two signal lines (clock and data) for easy microprocessor connection.

Display Characteristics: 96-segment and 4 common terminal driving circuit with 96×4-bit display data RAM (DDRAM). LCD driving voltage range: 4V to 15V (programmable) with maximum display frame frequency of 295Hz.

Power Supply: Digital power supply (VDD1, VDD3) and analog power supply (VDD2) range: 3.0V to 5.0V with built-in low-power analog circuit for energy efficiency.

Package Form: COG (Chip On Glass) packaging with chip bonded directly to glass, combined with PIN pins for external circuit connection.

Operating Temperature: -40°C to 80°C for wide environmental adaptability.

Applications

Smart Wearable Devices

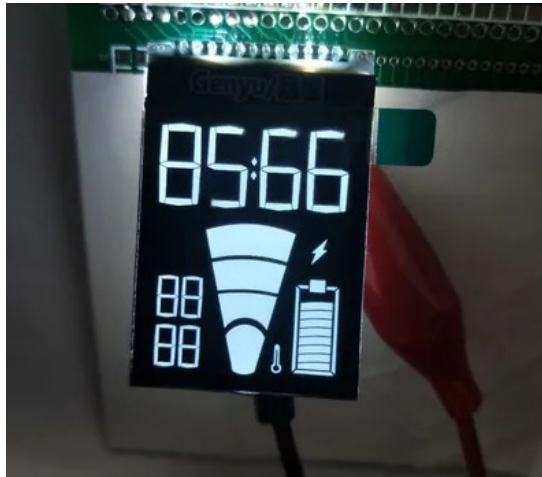
Electronic Tags

Portable Medical Equipment

Industrial Instruments

Handheld Instruments

Small Game Consoles



Available COB LCD Modules

Model	Content (W×H)	Module Size W×H(mm)	View Area W×H(mm)	Dot Size W×H(mm)	Dot Pitch W×H(mm)	Driving Method	Controller LSI or Equivalent	IC Package	STN-TYPE	FSTN-TYPE
8D-C2004A	20×4	98.0×60.0	76.0×25.2	0.55×0.55	2.95×4.75	1/16	S6A0069	COB	Y	Y
8D-C2004B	20×4	77.0×47.0	60.0×22.0	0.42×0.46	2.3×4.03	1/16	S6A0070	COB	Y	Y
8D-C2004C	20×4	146.0×62.5	123.5×43.0	0.92×1.1	4.84×9.22	1/16	S6A0069	COB	Y	Y
8D-C2402A	24×2	118.0×36.0	93.5×16.0	0.6×0.65	3.2×5.55	1/16	S6A0069	COB	Y	Y
8D-C2402B	24×2	208.0×40.0	178.0×23.0	1.16×1.16	6.0×9.63	1/16	S6A0069	COB	Y	Y
8D-C4001A	40×1	182.0×33.5	154.4×16.5	0.6×0.75	3.2×6.35	1/16	S6A0069	COB	Y	Y
8D-C4002B	40×2	182.0×33.5	154.4×16.5	0.6×0.65	3.2×5.55	1/16	S6A0069	COB	Y	Y
8D-C4004A	40×4	190.0×54.0	147.0×29.5	0.5×0.55	2.78×4.89	1/16	S6A0069	COB	Y	Y
8D-G12232A	122×32	84.0×44.0	60.0×18.5	0.4×0.4	0.44×0.44	1/32	SED1520	COB	Y	Y
8D-G12232B	122×32	80.0×36.0	55.0×18.5	0.36×0.41	0.4×0.45	1/32	SED1520	COB	Y	Y
8D-G12232C	122×32	98.0×60.0	76.0×25.2	0.53×0.61	0.57×0.65	1/32	SED1520	COB	Y	Y
8D-G12232D	122×32	80.2×47.4	76.0×25.2	0.53×0.61	0.57×0.65	1/32	SED1520	COB	Y	Y
8D-G12864A	128×64	78.0×70.0	62.0×44.0	0.39×0.55	0.44×0.6	1/64	S6B0108A	COB	Y	Y
8D-G12864B	128×64	105.0×60.5	72.0×40.0	0.48×0.48	0.52×0.52	1/64	S6B0108A	COB	Y	Y
8D-G12864C	128×64	93.0×70.0	72.0×40.0	0.48×0.48	0.52×0.52	1/64	S6B0108A	COB	Y	Y
8D-G12864D	128×64	113.0×65.0	72.0×40.0	0.48×0.48	0.52×0.52	1/64	S6B0108A	COB	Y	Y
8D-G12864E	128×64	93.0×70.0	72.0×40.0	0.48×0.48	0.52×0.52	1/64	ST7920	COB	Y	Y
8D-G19264A	192×64	130×65.0	104.0×39.0	0.46×0.46	0.51×0.51	1/64	S6B0108A	COB	Y	Y
8D-G19264B	192×64	120×62.0	104.0×39.0	0.46×0.46	0.51×0.51	1/64	S6B0108A	COB	Y	Y

Model	Content (W×H)	Module Size W×H(mm)	View Area W×H(mm)	Dot Size W×H(mm)	Dot Pitch W×H(mm)	Driving Method	Controller LSI or Equivalent	IC Package	STN-TYPE	FSTN-TYPE
8D-G24064B	240×64	180.0×65.0	132.0×39.0	0.53×0.53	0.49×0.49	1/64	T6963C	QFP/COB	Y	Y
8D-G240128A	240×128	144×104	114×64	0.4×0.4	0.45×0.45	1/128	T6963C	QFP/COB	Y	Y



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