

4.5V 9PIN VA LCD Display with 6 O'clock Viewing Angle for White Graphics on Black Panel Long Strip

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- 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

- VA Size: 76(W)* 16(H) Mm
- Viewing Angle: 6 O'clock
- Display Mode: VA, Negative
- Module Size: 80(W)* 22.5(H)* 2.0(T) Mm
- Touchscreen: No
- Working Voltage: 4.5V
- Fpc Connect: PIN, 9 Numbers
- Operating Temp.: -20~+70
- Highlight: **4.5V VA LCD Display, 9PIN LCD TFT Screen, 6 O'clock Viewing Angle Black Panel LCD**



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Product Description

4.5V 9PIN VA LCD Display White Graphics Black Panel Long Strip

Product Overview

A black segment LCD is a type of Liquid Crystal Display that uses segments to display numbers, icons, or graphical elements against a typically light or colored background. The black segments appear because liquid crystals block light in the activated regions, creating sharp and clear contrasts for excellent readability.

Technical Specifications

LCD Type	VA, Negative
Viewing Angle	6 O'clock
Operating Temperature	-20~+70
Voltage	4.5V
Connector	PIN

Detailed Parameters

Module size	80(W)* 22.5(H)* 2.0(T) mm	Display mode	VA, Negative
LCD viewing area	76(W)* 16(H) mm	Polarizer type	Transmissive
Operating temp.	-20~+70	LED backlight	White
Drive method	1/4 Duty, 1/3 Bias	Working voltage	4.5V
Viewing angle	6 O'clock	Connection Way	PIN, 9 numbers

How Black Segment LCDs Work

Passive Matrix Design: Utilizes a grid of electrodes to activate specific segments by applying voltage, creating a black appearance.

Polarizers and Liquid Crystals: Polarizers and aligned liquid crystals block light in activated regions, producing black segments.

Product Features

Display Technology: VA (Vertical Alignment) technology provides high contrast on black background with clear white graphics

Pin Configuration: 9PIN design enables connection with external circuits for power, ground, data transmission and control signals

Power Efficiency: 4.5V working voltage offers energy-saving features for low-power devices

Form Factor: Long strip shape ideal for space-constrained applications and linear display requirements





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