

## 0.96 Inch 128x64 Dot Matrix OLED Display with ZIF Connector and SPI I2C Interface

### Basic Information



### Product Specification

- Overall Dimensions: 24.74 X 16.9 X 1.42 (mm)
- Display Size: 0.96 Inches
- Active Area: 21.74 X 10.86 (mm)
- Viewing Angle: All Viewing Angles
- Pin Number: 30PIN
- Light Source: LED
- Interface: I2C, SPI Optional
- Connector: ZIF
- Highlight: **0.96 Inch OLED Display, 128x64 Dot Matrix OLED Screen, ZIF Connector OLED Panel**



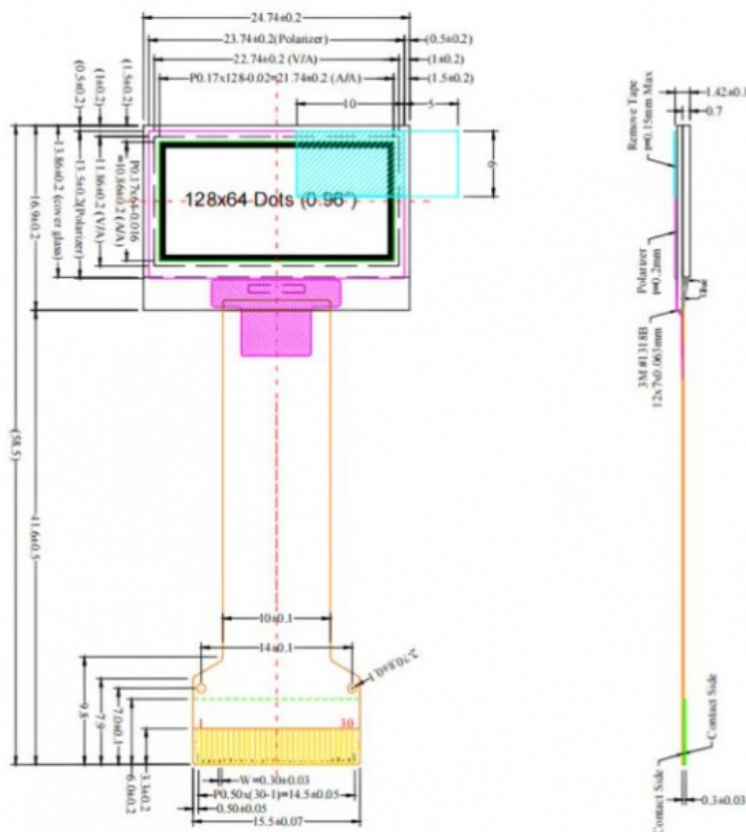
## Product Description

### 0.96 Inch 30 Pin ZIF Connector OLED Display Panel

High-resolution 128x64 dot matrix OLED display with SPI/I2C interface options, featuring ultra-thin design and ZIF connector for easy installation.

### Product Specifications

Product	0.96 Inch OLED Display
Display Color	White, Blue, Blue/Yellow Dual Color
Number Of Pixels	128x64 Pixels
Driver IC	SSD1315 Or Equivalent
Display Mode	Passive Matrix
Drive Duty	1/64 Duty
Panel Size	24.74 × 16.9 × 1.42 (mm)
Active Area	21.74 × 10.86 (mm)
Pixel Pitch	0.17 × 0.17 (mm)
Pixel Size	0.15 × 0.154 (mm)
Interface	I2C, SPI Optional
Pin Number	30 Pins (Can Be Customized)
Viewing Direction	All Viewing Angles
Connection	ZIF
Operating Temp.	-40°C to +70°C
Storage Temp.	-40°C to +85°C
Life Time	50,000 Hours @60cd/m <sup>2</sup>



## Product Overview

### Core Features & Structure

This single-color OLED dot matrix screen features COG (Chip On Glass) packaging with a 0.96-inch diagonal and 128x64 pixel resolution. The display utilizes SSD1306/SSD1315 driver ICs and supports 3.3V low-voltage power supply. The 30-pin ZIF (Zero Insertion Force) FPC connector eliminates soldering requirements, enabling quick installation and removal for mass production and maintenance applications.

### Display Performance

OLED technology provides self-illumination without backlight, delivering exceptional contrast with pure black levels. The display offers wide viewing angles exceeding 160°, fast response times, and significantly lower power consumption compared to LCD alternatives. Available in single-color blue, white, or blue/yellow dual-color configurations for versatile graphic display applications.

### Connection Advantages

ZIF connectors allow direct FPC cable insertion with secure locking mechanism, ensuring stable contact while eliminating short-circuit risks associated with manual soldering.

### Primary Applications

- Portable & wearable devices: smart wristbands, sports watches, Bluetooth earphone cases, GPS locators, medical monitoring devices
- IoT & industrial control: sensor nodes, smart home panels, PLCs, device status indicators, environmental monitoring terminals
- Maker DIY & education: Arduino/ESP32 development board displays for electronic competitions and prototyping
- Consumer electronics: status displays for radios, MP3 players, handheld multimeters, and oscilloscopes
- Battery-powered devices: ultra-low power consumption ideal for outdoor and mobile applications





## Frequently Asked Questions

### I want the LCD display 8 digits and the outline size is 65x30x2.8mm. Can you provide this?

Yes, we can accommodate your requirements. Please provide your specifications or drawing. If unavailable, we can recommend suitable standard products or customize based on your specific needs.

### This LCD is what we want, but the size is too large. Do you have smaller options with modified display content?

For segment-type LCD modules requiring size or content modifications, new LCD glass tooling is necessary. We can create custom tooling to meet your exact specifications.

### This LCD display is HTN type, but I need STN type. Can you manufacture this?

Absolutely. We can modify the display type according to your requirements.

### Can you customize a new LCD module?

Yes, we specialize in custom LCD modules. Please provide your drawing or specifications including outline dimensions, display information, glass thickness, polarizer type, connector mode, temperature ranges, supply voltage, viewing direction, and drive conditions.

### What is the lead time for tooling?

Tooling typically requires 15-25 days after drawing confirmation and tooling charge payment. We provide exact timelines upon drawing approval.

### Can you provide samples for evaluation?

Yes, sample orders are available for quality verification.

### What is your production lead time?

Standard products in stock ship within one day after payment. Mass production of custom orders typically requires 15-30 days, with earlier completion communicated in advance.



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