XinaBox Datasheet OD01 - OLED Display 128x64

Contents

Overview

This xCHIP forms part of the output modules and is equipped with an OLED (https://en.wikipedia.org/wiki/OLED) display unit that is capable of displaying any graphics or text. Very useful as a sensor data display.

Product Highlights

- Monochrome OLED Display
- 128 x 64 dot matrix
- Built-in controller
- Based on SSD1306

Applications

- Graphical Interfaces
- Sensor Readout Display
- Game Interface
- Data Graph Display

Specifications

- Resolution: 128 x 64 dot matrix panel
- 256 step contrast brightness current control
- Embedded 128 x 64 bit SRAM display buffer
- Screen saving continuous scrolling function in both horizontal and vertical direction
- RAM write synchronization signal
- Programmable Frame Rate and Multiplexing Ratio
- Row Re-mapping and Column Re-mapping
- On-Chip Oscillator
- Wide range of operating temperature: -40°C to 85°C

External Links

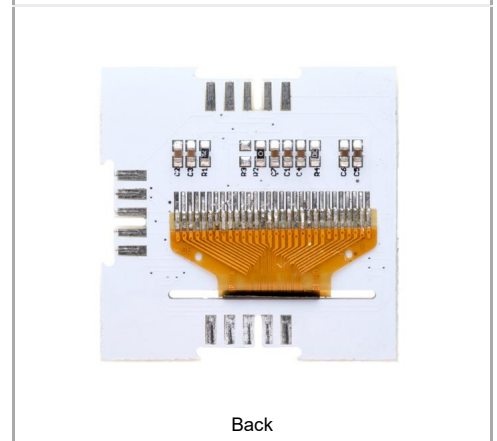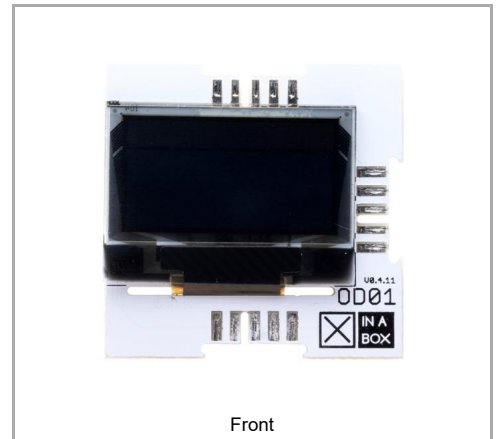**Documents**

- SSD1306 From Solomon Systech (https://cdn-shop.adafruit.com/datasheets/SSD1306.pdf)

Shop

- Buy OD01 (https://xinabox.cc/products/OD01)

GitHub

- OD01 on GitHub (https://github.com/xinabox/xOD01)

OD01 - OLED Display 128x64 (SSD1306)

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⊠CHIP	
Main Category	Output
Sub Category	Display
Introduced	1 January 2017
Current version	1.0.0
Current version date	1 January 2017
Dimensions	
Size	2x2U (32x32mm)
Weight	4.4 g
Height	4/1.4/1 mm
Non-⊠BUS Connections	
West	No Connection
Main Chip Set	
Main Chip	SSD1306
I²C Configuration	
Default Address	0x3C