

March, 2018

## Thinner version 0.96 inch OLED WEO012864D

Winstar released a thinner version OLED WEO012864D model which is made of 128x64 pixels, diagonal size 0.96 inch. The electronic characteristics and dimension of the thinner version and existing WEO012864D are the same, the main difference between these two WEO012864D is the module thickness, the new version is 1.26mm on thickness as to the existing one is 1.65mm. The new version is also built-in SSD1306BZ driver IC; it communicates via 6800/8080 8-bit parallel and I2C/SPI interface. Currently, colors are available in white, yellow and blue. Adopting thinner OLED panel is a new trend, for new projects, we recommend customers to choose the thinner WEO012864D for new design projects.

P/N for white: WEO012864DWPP3N00006

P/N for yellow: WEO012864DLPP3N00004

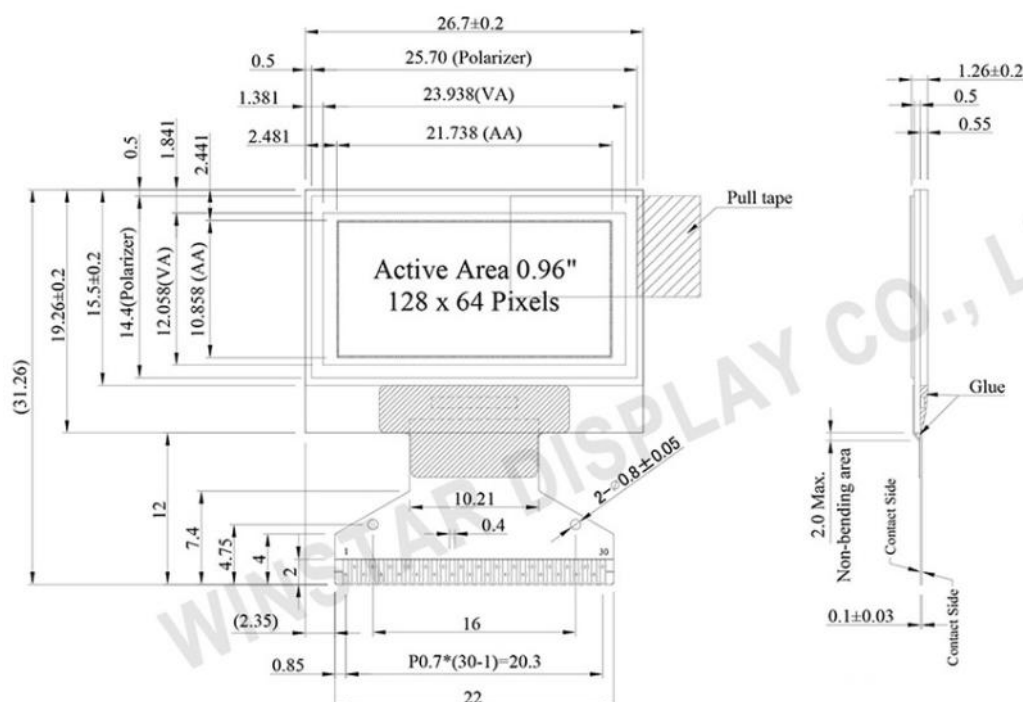
P/N for blue: WEO012864DBPP3N00001

Item-WEO012864D	Dimension-new version
Dot Matrix	128 x 64 Dots
Module dimension	26.70 x 19.26 x 1.26 mm
Active Area	21.738 x 10.858
Pixel Size	0.148 x 0.148
Pixel Pitch	0.17 x 0.17
Display Mode	Passive Matrix
Display Color	White / Yellow / Blue
Drive Duty	1/64 Duty
IC	SSD1306BZ
Interface	6800,8080,SPI,I2C
Size	0.96 inch



Left: thinner version without sponge

Right: Thinner version with sponge



## Thinner version 0.96 inch OLED WEO012864D with Sponge

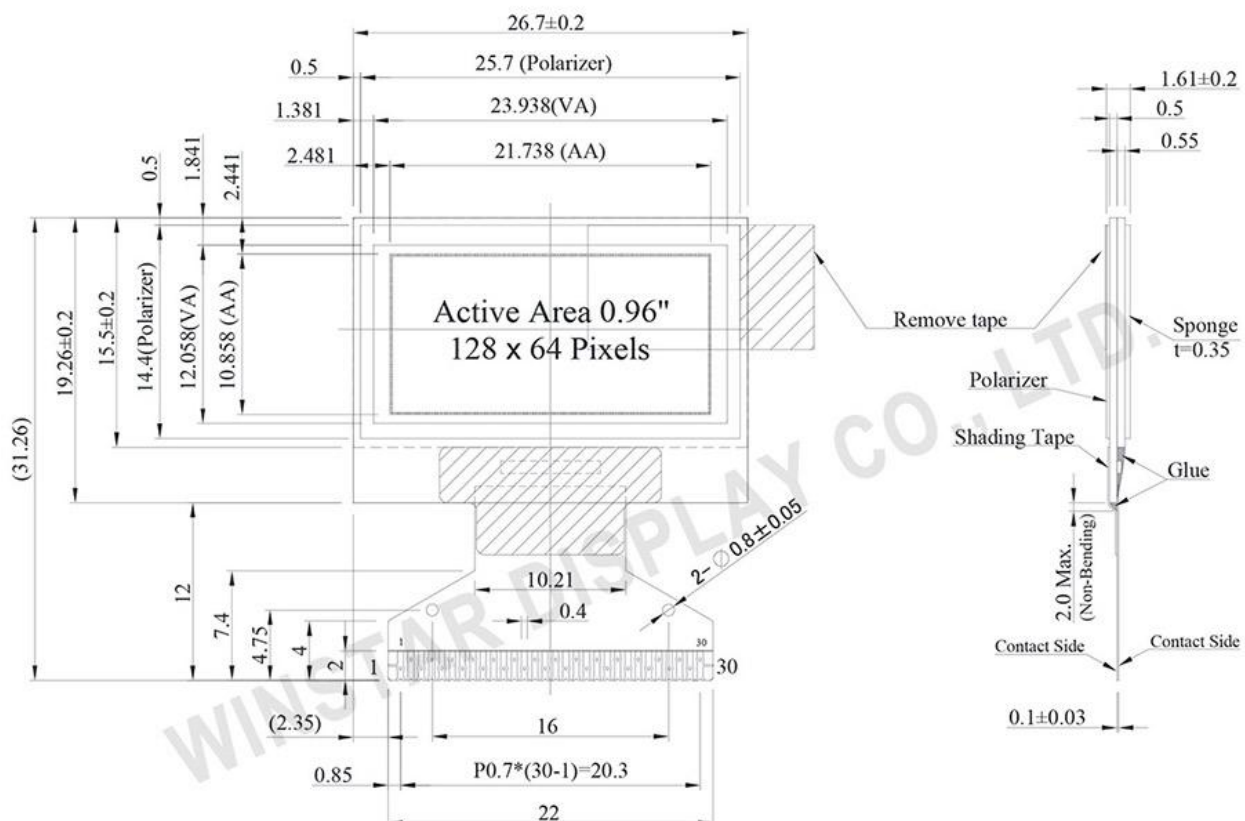
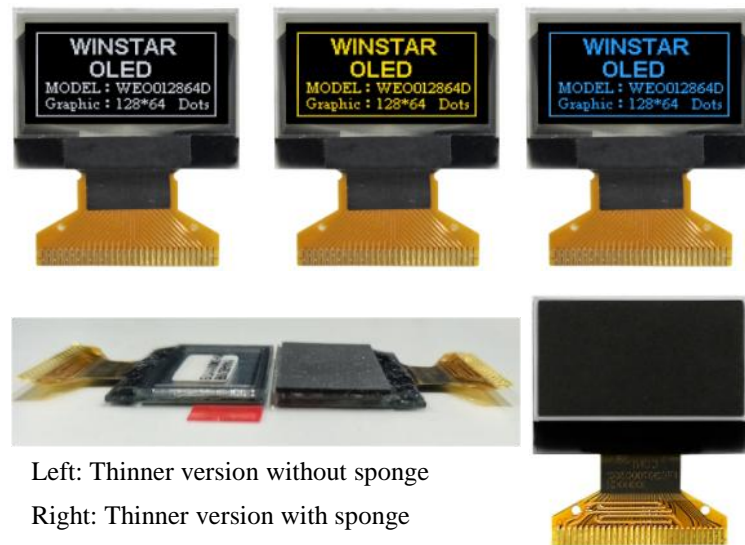
If customers would like to adopt the WEO012864D thinner version to replace the existing one, you can choose the below part numbers which we add sponge at the back of the module to make them compatible to the existing ones for your applications. Please contact us, if you require different colors.

P/N for yellow with sponge: WEO012864DLPP3N00005

P/N for white with sponge: WEO012864DWPP3N00007

P/N for blue with sponge: WEO012864DBPP3N00002

WEO012864D w/Sponge	Dimension-new version
Dot Matrix	128 x 64 Dots
Module dimension	26.70 x 19.26 x 1.61
Active Area	21.738 x 10.858
Pixel Size	0.148 x 0.148
Pixel Pitch	0.17 x 0.17
Display Mode	Passive Matrix
Display Color	White / Yellow / Blue
Drive Duty	1/64 Duty
IC	SSD1306BZ
Interface	6800,8080,SPI,I2C
Size	0.96 inch



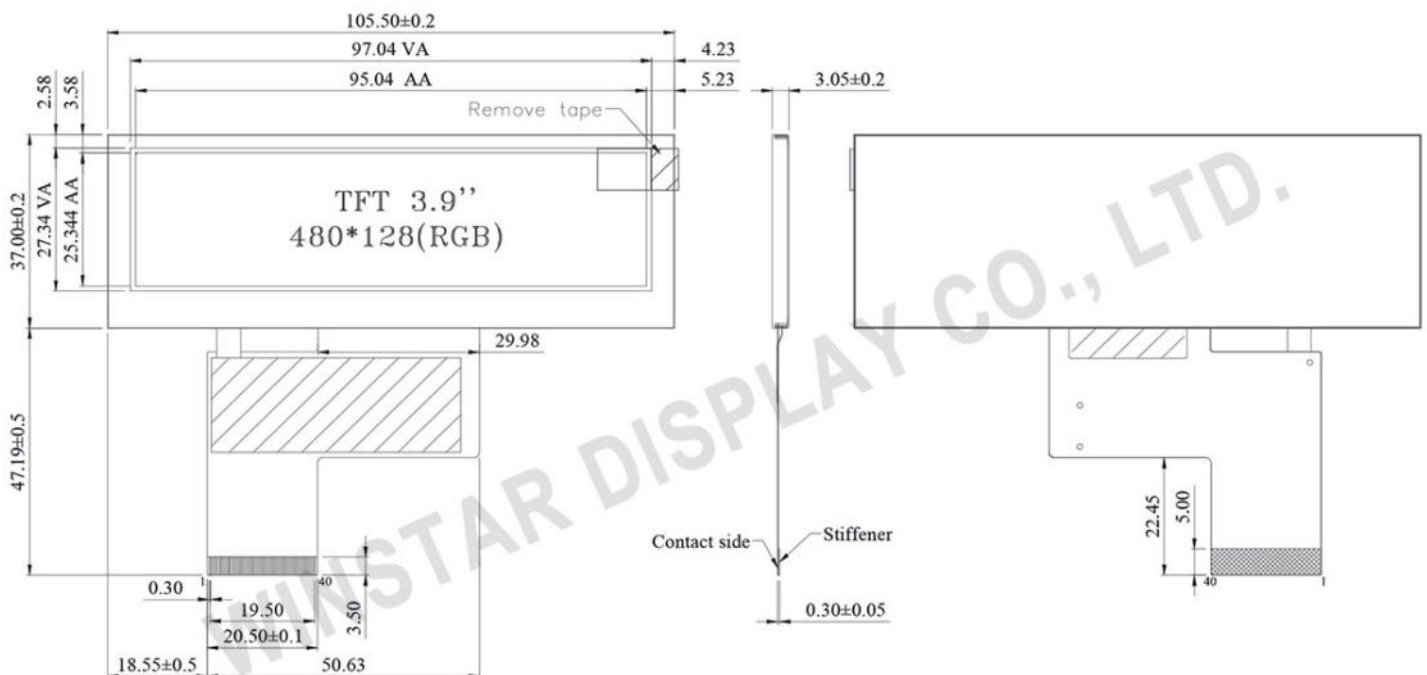
### 3.9" TFT WF39BSQASDNN0# w/High Brightness & Wide Temp.

WF39BSQASDNN0 is a 3.9 inch Bar Type TFT LCD with 480x128 pixels, featured with high brightness and wider operation temperature.

This WF39BSQASDNN0 module is having high brightness 900 ~ 1000 cd/m<sup>2</sup>. It can be operating at temperatures from -30°C to +85°C; its storage temperatures range from -40°C to +90°C. This TFT module is built in with Driver IC HX8278; it supports RGB interface; 3.3V (typical) power supply; supports Sync mode and DE modem, default Sync mode.

This WF39B Bar TFT is very suitable for server system, audio system and advertising display, automotive, aviation, marine systems, security equipment, Industrial equipment, outdoor intercom systems and control panels, medical equipment, drone controls.

WF39BSQASDNN0	Dimension
Size	3.9 inch
Dot Matrix	480x128 x RGB (TFT)
Module dimension	105.5(W) x 37.0(H) x 3.05(D)
Active area	95.04 x 25.34
Dot pitch	0.066(W)x 0.198(H)
LCD type	TFT, Normally White, Transmissive
View Direction	6 o'clock
Gray Scale Inversion Direction	12 o'clock
Aspect Ratio	Bar Type
Backlight Type	LED, Normally White
Touch Panel	PCAP/RTP option
Surface	Anti-Glare
Interface	RGB

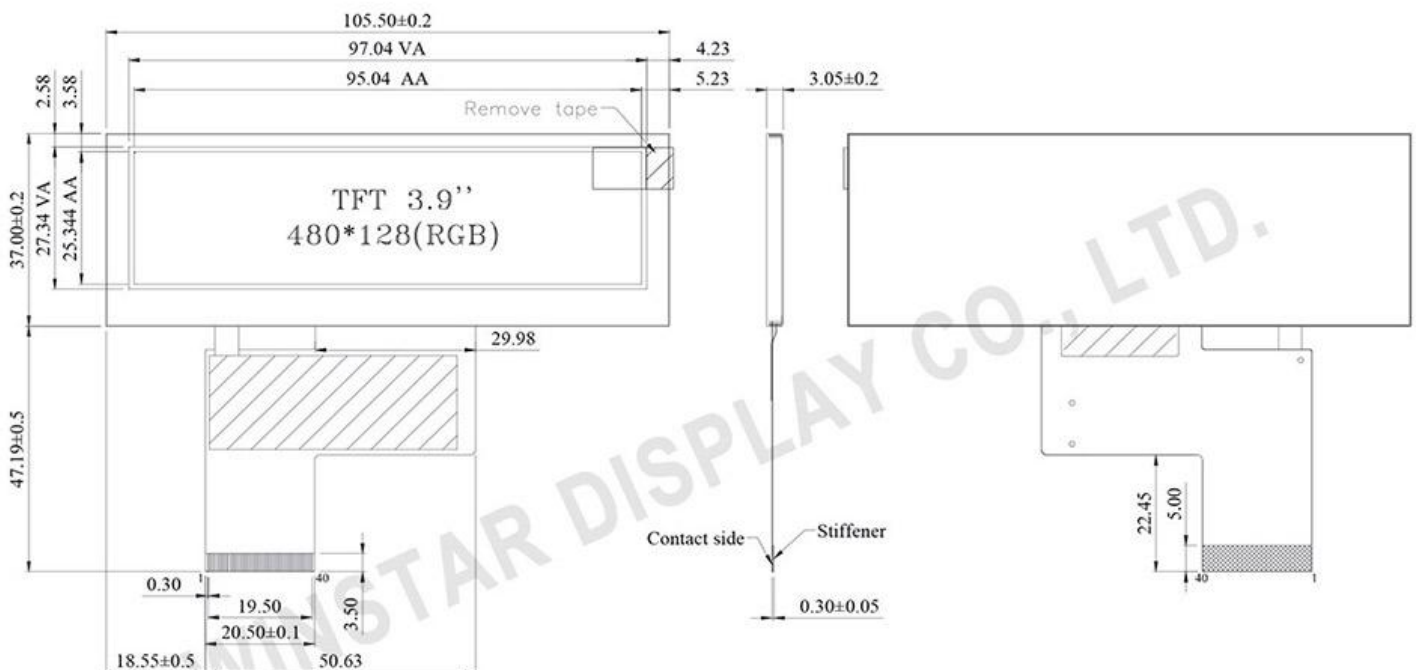


### 3.9" O-Film Bar TFT WF39BTZASDNN0#

WF39BTZASDNN0 is Winstar 3.9" Bar type WF39B series TFT display with O-Film technology on module. This WF39BTZASDNN0 is featured with resolution 480x128 pixels; built in with Driver IC HX8278, it supports RGB interface; 3.3V (typical) power supply; supports Sync mode and DE modem, default Sync mode. Its luminance is 400 Nits (typical); Contrast ratio of 500:1, gray scale inversion direction 12 o'clock. It can be operating at temperatures from -20°C to +70°C; its storage temperatures range from -30°C to +80°C.

This panorama widescreen 3.9 inch WF39B TFT-LCD display offers high quality and colorful image; it is especially suitable for server system, audio system and advertising display, auto/aviation/marine equipment, security equipment, Industrial equipment, outdoor intercom systems and control panels, medical equipment, drone controls.






WF39BTZASDNN0	Dimension
Size	3.9 inch
Dot Matrix	480x128 x RGB (TFT)
Module dimension	105.5(W) x 37.0(H) x 3.05(D) mm
Active area	95.04 x 25.34 mm
Dot pitch	0.066(W)x 0.198(H) mm
LCD type	TFT, Normally White, Transmissive
View Direction	6 o'clock
Gray Scale Inversion Direction	12 o'clock
Aspect Ratio	Bar Type
Backlight Type	LED, Normally White
Touch Panel	PCAP / RTP option
Surface	Anti-Glare








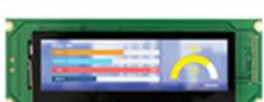
### 3.9” WF39B Bar TFT Quick Selection Guide

Here is the Quick Selection Guide for Winstar released 3.9” WF39B TFT for your reference.

Picture	Model No.	Description	Controller	Touch Screen
	<a href="#"><u>WF39BTLASDNN0</u></a>	3.9” Bar TFT panel Brightness 500 nits ports SYNC or DE mode	Sup- No	No
	<a href="#"><u>WF39BTLASDNT0</u></a>	3.9” Bar TFT resistive touch panel 350 nits or DE mode	with Brightness Supports SYNC No	RTP
	<a href="#"><u>WF39BTLASDNG0</u></a>	3.9” Bar TFT capacitive touch panel 400 nits or DE mode	with Brightness Supports SYNC No	PCAP
	<a href="#"><u>WF39BSQASDNN0</u></a>	3.9” Bar TFT panel High Brightness 1000 nits Super wide temperature -30°C to +80°C Supports SYNC or DE mode	Su- No	No
	<a href="#"><u>WF39BTZASDNN0</u></a>	3.9” Bar TFT panel Brightness 350 nits ports SYNC or DE mode Film Technology	Sup- O No	No

► [Link to Winstar WF39B series web page](#)

### 5.2” WF52Q Bar TFT Quick Selection Guide

Picture	Model No.	Description	Interface	Controller	Touch Screen
	<a href="#"><u>WF52QSZBSDBN0</u></a>	5.2” Bar TFT module Supports 8080 family MPU High brightness 850 cd/m <sup>2</sup> With frame and controller board O-Film Technology	8080,MPU	SSD1963	No
	<a href="#"><u>WF52QTLBSDBN0</u></a>	5.2” Bar TFT module Supports 8080 family MPU Brightness 500 cd/m <sup>2</sup> With frame and controller board	8080,MPU	SSD1963	No
	<a href="#"><u>WF52QTLBSDBG0</u></a>	5.2” Bar TFT module Supports 8080 family MPU Brightness 400 cd/m <sup>2</sup> With frame and controller board With PCAP touch panel	8080,MPU	SSD1963	PCAP
	<a href="#"><u>WF52QTZBSDBN0</u></a>	5.2” Bar TFT module Supports 8080 family MPU Brightness 400 cd/m <sup>2</sup> With frame and controller board O-Film Technology	8080,MPU	SSD1963	No

► [Link to Winstar WF52Q series web page](#)

## 5.2” WF52A Bar TFT Quick Selection Guide

Bar Type TFT is a new rising star for many applications, These Bar TFT displays are a perfect choice to apply in: server, audio system and advertising display, automotive, aviation, marine systems, security equipment, Industrial equipment, outdoor intercom systems and control panels, medical equipment. Here is the Quick Selection Guide for Winstar released 5.2” WF52A and WF52Q Bar TFT for your reference.

Picture	Model No.	Description	Interface	Controller	Touch Screen
	<a href="#">WF52ATLASDNN0</a>	5.2” Bar TFT Panel Brightness 500 nits	RGB	No	No
	<a href="#">WF52ATLASDNT0</a>	5.2” Bar TFT Panel Brightness 350 nits with RTP touch panel	RGB	No	RTP
	<a href="#">WF52ATLASDNG0</a>	5.2” Bar TFT Panel Brightness 400 nits With PCAP touch panel	RGB	No	PCAP
	<a href="#">WF52ATZASDNN0</a>	5.2” Bar TFT Panel Brightness 400 nits With O-Film technology	RGB	No	No
	<a href="#">WF52ATZASDNG0</a>	5.2” Bar TFT Panel With O-Film on panel Brightness 350 nits with PCAP touch panel.	RGB	No	PCAP
	<a href="#">WF52ASZASDNN0</a>	5.2” Bar TFT Panel High brightness 800~850 nits, with O-Film on panel having wider viewing angle	RGB	No	No
	<a href="#">WF52ASZASDNG0</a>	5.2” Bar TFT Panel High brightness 700 nits, O-Film on pane having wider viewing angle. With PCAP touch panel.	RGB	No	PCAP
	<a href="#">WF52ASLASDNN0</a>	5.2” Bar TFT Panel High brightness 1100 nits	RGB	No	No
	<a href="#">WF52ASLASDNG0</a>	5.2” Bar TFT Panel High brightness 880 nits with PCAP touch panel.	RGB	No	PCAP

► [Link to Winstar WF52A series web page](#)