

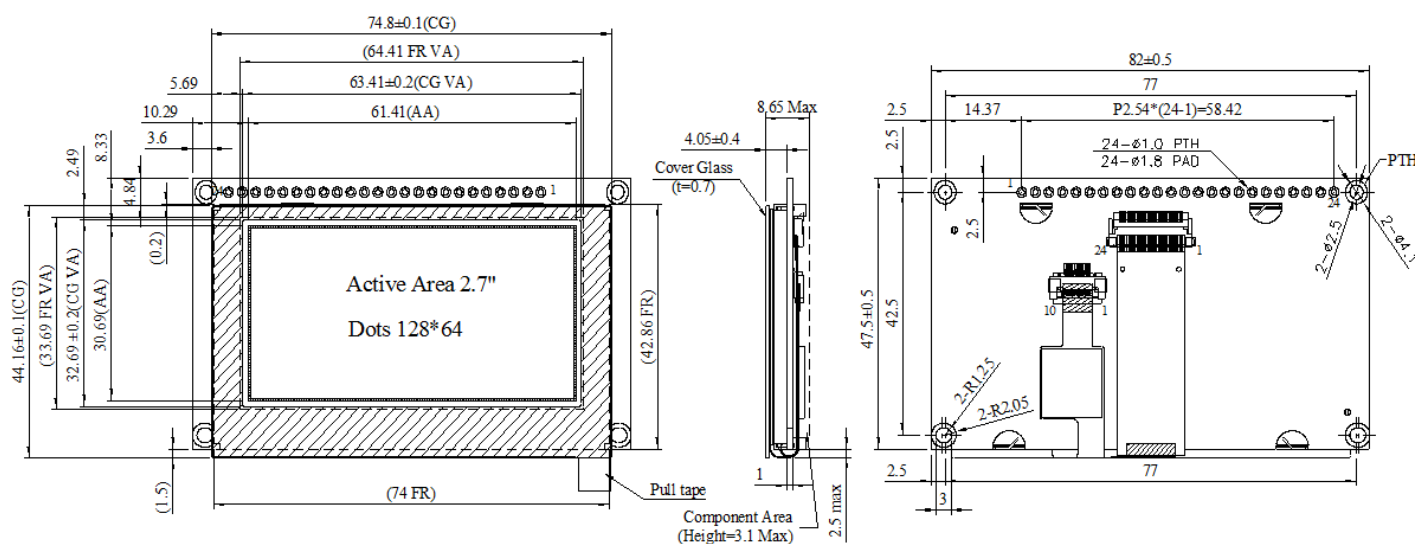
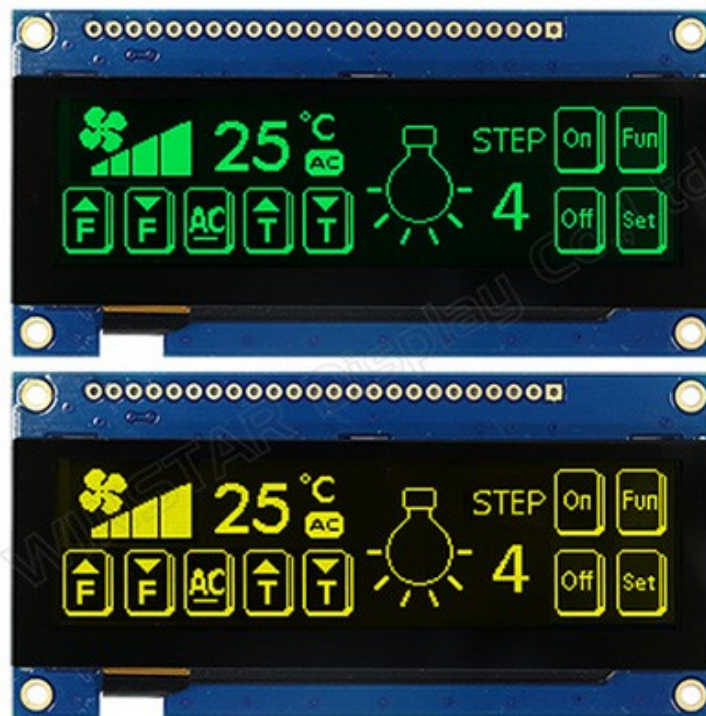
May 2021

2.7" WEP012864Q-CTP Touch OLED with PCB & Frame

WEP012864Q-CTP model is a COG Graphic OLED with Capacitive Touch Panel, diagonal size 2.7 inch, made of 128x64pixels. This OLED module is built-in with SSD1309 IC; it supports 6800/8080 8-bit parallel, I2C, and 4-Wire SPI interface, supply voltage for logic 3V, the display with 50% Check board current is 175mA @3.0V VDD (typical value), driving duty 1/64. This model is having Capacitive Touch Panel on module; it is built-in with GT911 IC which supports I2C interface, one detect point for CTP, normal glare surface glass. The module is having PCB board on module which is suitable for customers to use wire connection; customers do not need to develop extra PCB for their applications. Also, we integrated VCC circuit on PCB to make it easier for customers to use.

WEP012864Q-CTP model is a COG OLED display with a PCB on module. This PCB board with four mounting holes is an easy method for customers to fix modules on their applications. This OLED module is suitable for smart home application, medical device, industrial control, etc. WEP012864Q-CTP model can be operating at temperatures from -20°C to +70°C; its storage temperatures range from -30°C to +80°C.

WEP012864Q-CTP	Dimension
Dot Matrix	128 × 64 dots
Module dimension	82.0 × 47.5 × 8.65 Max. mm
Active Area	61.41 × 30.69 mm
Pixel Size	0.45 × 0.45 mm
Pixel Pitch	0.48 × 0.48 mm
Display Mode	Passive Matrix
Display Color	White/Yellow/Sky Blue/Green
Drive Duty	1/64 Duty
OLED IC	SSD1309
OLED Interface	6800,8080,4-Wire SPI,I2C
Size	2.7 inch
CTP IC	GT911
Detect Point	1
CTP Interface	I2C
Surface	Normal Glare



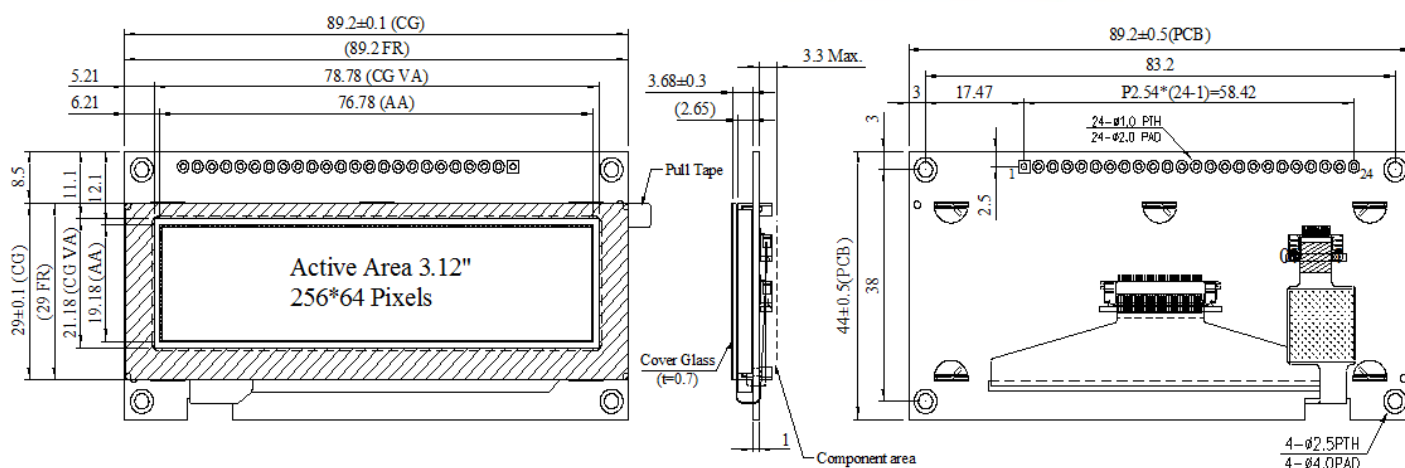
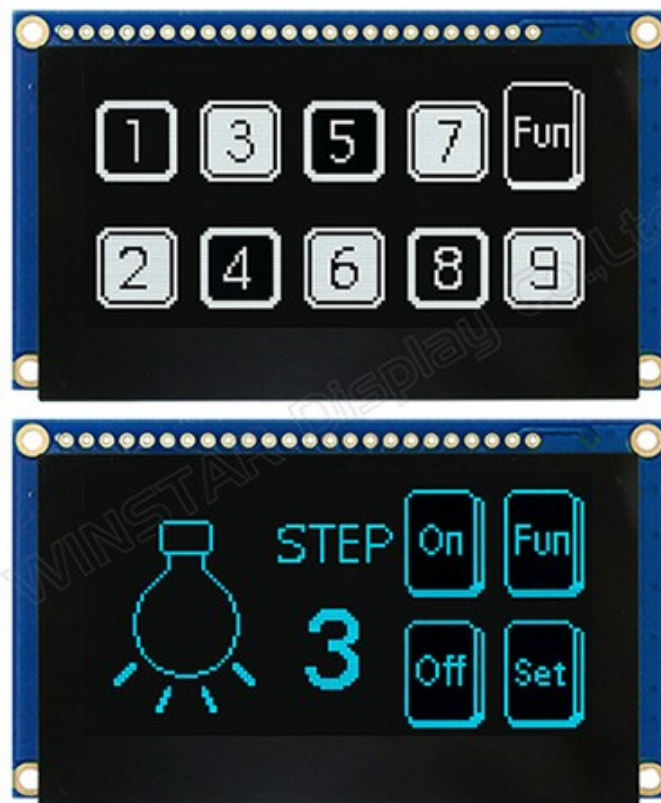
► [Link to WEP012864Q-CTP web page](#)

3.12" COF OLED WEN025664B-CTP (PCB+Frame) with CTP Touch

WEN025664B-CTP model is a COF Graphic OLED with Capacitive Touch, diagonal size 3.12 inch, made of resolution 256x64 dots. This OLED module is built-in with SSD1322 COF IC; it supports 6800/8080 8-bit parallel, and 4-Wire SPI interface, supports 16 (4-bits) gray scale, supply voltage for logic 3V, the display with 50% Check board current is 150mA @3.0V VDD (typical value), driving duty 1/64. This model is having Capacitive Touch Panel on module; it is built-in with FT6336U IC which supports I2C interface, one detect point for CTP, normal glare surface glass. The module is having PCB on module which is suitable for customers to use wire connection; customers do not need to develop extra PCB for their applications. Also, we integrated VCC circuit on PCB to make it easier for customers to use.

WEN025664B-CTP model is a COF OLED display with a PCB on module. This PCB board with four mounting holes is an easy method for customers to fix modules on their applications. This OLED module is suitable for smart home application, medical device, industrial control, etc. WEN025664B-CTP model can be operating at temperatures from -20°C to +70°C; its storage temperatures range from -30°C to +80°C.

WEN025664B-CTP	Dimension
Dot Matrix	256 × 64 Dots
Module dimension	89.2 × 44.0 × 7.98 mm
Active Area	76.78 × 19.18 mm
Pixel Size	0.278 × 0.278 mm
Pixel Pitch	0.3 × 0.3 mm
Display Mode	Passive Matrix
Display Color	White/Yellow/Sky Blue /Green
Drive Duty	1/64 Duty
Gray Scale	4 bits
OLED IC	SSD1322 (COF)
OLED Interface	6800, 8080, SPI
Size	3.12 inch
CTP IC	FT6336U
Detect Point	1
CTP Interface	I2C
Surface	Normal Glare


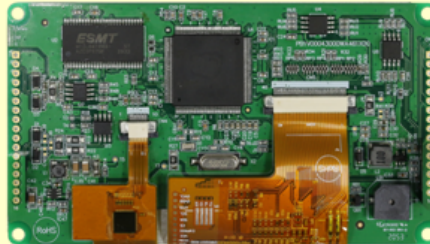
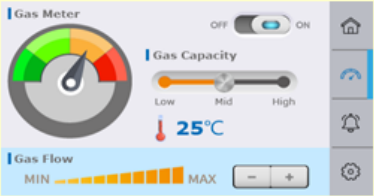





4.3" Smart Display CAN Series TFT

WL0F00043 model is a 4.3" Smart Display CAN series TFT display which is defined as a slave device, that is controlled by master device via CAN bus command to render display content on the display screen and return touch event data with protocol objects. WL0F00043 model is integrated with a standard 4.3 inch IPS TFT module WF43WTWAEDNG0 and a 4-layers PCBA with built-in firmware code which is developed by Winstar RD team. This 4.3" Smart Display CAN series TFT is an easy-to-use product which allows customers to develop projects rapidly in cost-effective way. This 4.3" Smart Display can use computer with USB2CAN dongle or Raspberry Pi interface (PiCAN2) as HOST platform. Winstar already developed a Windows IDE for Smart Display GUI design. Winstar GUI builder software is designed for customers to simulate their GUI design in advance by using the drag-and-drop Widget preview function; furthermore, customers can create their ideal GUI by themselves by using this software. Winstar GUI builder software is supporting Windows system only; it can fulfill What You See Is What You Get (WYSIWYG).

► [Try before you buy! Contact us to download Winstar GUI Builder Software.](#)

Winstar Smart Display CAN Series offers an out-of-the-box CANopen development experience that will lower your development costs and speed your time-to-market expectations. The CanTFT comes with standard UI objects to get customers project off the ground quickly. If customers need custom UI objects support, our engineers are here to help. Send over your contents in PNG/JPG format, we will customize a new set of UI objects to you. Below are what included in our Smart Display Can Series TFT:

Winstar 4.3" Smart Display CAN Series TFT		
<p>Hardware Platform (Container) Physical Layer including MCU/Flash/Display</p>  	<p>Firmware code (Data contents) Presentation Layer including Splash /application/UI</p>   	<p>Software code (Support tools) Application Layer including PC+AP / Interface Dongle to configure or update Smart Display contents.</p> 

4.3” Smart Display CAN Series TFT

Winstar Smart Display Can Series is really a “smart” choice for customers. There are many important features and functions for this new released 4.3” smart display CAN TFT as below:

- ▶ DC 5V working voltage
- ▶ 4.3” IPS TFT WF43WTWAEDNG0
- ▶ Supports Projected Capacitive touch screen (PCAP)
- ▶ Power-On Self-Test & Splash screen.
- ▶ CAN bus Interface.
- ▶ Supports CANopen protocol, default baud rate at 250KB.
- ▶ Built in flash memory, store the font and Object Dictionary Data.
- ▶ Long transmission distance.
- ▶ Strong anti-interference ability.
- ▶ Built-in Buzzer.
- ▶ Supports Multi-master
- ▶ Operating temperature -30°C~80°C
- ▶ Design the UI without writing a line of code by Winstar GUI builder! (▶ [Link to GUI Builder Introduction](#))

We provide below three kinds of demo scenarios for optional. For more details, please check our website or contact Winstar sales persons.



WL0F00043000WGAAASB00 (Industrial Application)

- ▶ [Link to Winstar product web page](#)



WL0F00043000WGAAASC00 (Vehicle Application)

- ▶ [Link to Winstar product web page](#)



WL0F00043000WGAAASD00 (Medical Application)

- ▶ [Link to Winstar product web page](#)

4.3" Smart Display CAN Series TFT

Below is the 4.3" CAN Series Smart Display mechanical data and TFT-LCD module information for reference:

Mechanical Data:

Item	Standard Value	Unit
LCD panel	105.5(W) × 67.2(H) × 4.6(D)	mm
PCB	119.3(W) × 67.2(H) × 1.6	mm
Housing outline	NA	mm

TFT Module Information: WF43WTWAEDNG0:

Item	Standard Value	Unit
Operating voltage	5	VDC
Communication Interface	CAN bus differential ± 3.3	Vpp
LCD display size	4.3	inch
Dot Matrix	480 × RGB × 272(TFT)	dot
Module dimension	105.5(W) × 67.2(H) × 4.6(D)	mm
Active area	95.04(W) × 53.856 (H)	mm
Dot pitch	0.066 (W) × 0.198(H)	mm
LCD type	TFT, Normally Black, Transmissive	
View Direction	80/80/80/80 (IPS TFT)	
Aspect Ratio	16:9	
Touch Panel	With CTP touch panel	
Surface	Glare	

