

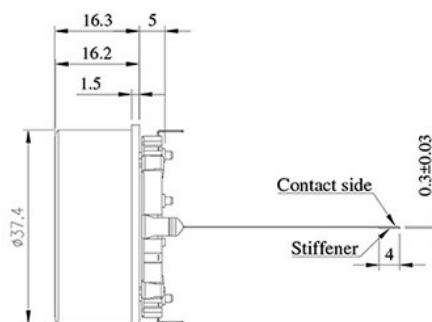
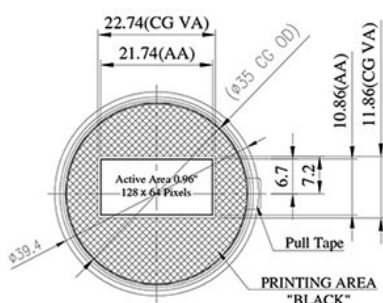
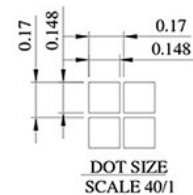
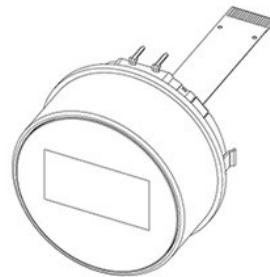
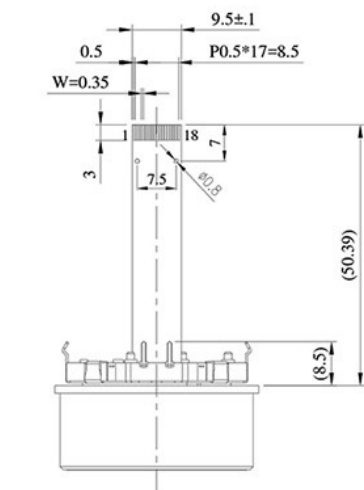
June 2021

0.96" WEO012864Z OLED with Knob

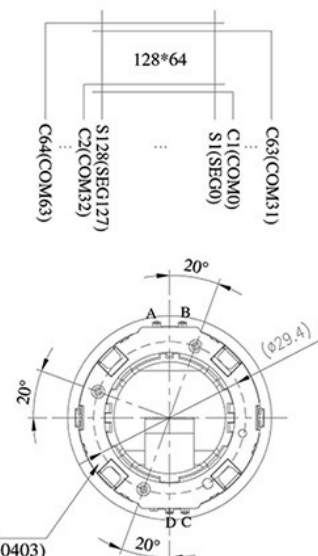
WEO012864Z OLED is an extension item of WEO012864D with a control knob. It's a 0.96 inch 128x64 dots COG type OLED display. This OLED Encoder module is built in with SSD1306 IC; it supports 4-line SPI and I2C interface, supply voltage (VCI) minimum 1.65V, maximum 3.3V, 1/64 driving duty.

This WEO012864Z OLED features a rotary switch which is ideal for applications that require a control knob such as smart home applications, intelligent technology devices, audio system, etc. This module can be operated at temperature range from -20°C to $+70^{\circ}\text{C}$; its storage temperature ranges from -30°C to $+80^{\circ}\text{C}$.

WEO012864Z	Dimension
Dot Matrix	128 x 64 Dots
Module dimension	$\varnothing 39.4 \times 24.8 \text{ mm}$
Active Area	$21.74 \times 10.86 \text{ mm}$
Pixel Size	$0.148 \times 0.148 \text{ mm}$
Pixel Pitch	$0.17 \times 0.17 \text{ mm}$
Display Mode	Passive Matrix
Panel type	OLED
Color	White/Yellow/Blue
Duty	1/64
Controller IC	SSD1306
Interface	4-wire SPI,I2C
Size	0.96 inch



ENCODER
(ALPS EC35AH240403)



OLED Circuit Built-in Solution—WEA Series

Winstar released a series of OLED Circuit Built-in Solution display modules - OLED WEA Series. The OLED WEA Series are our COG extension items featuring power circuit built-in on board and reserved standard 2.54 mm pin holes on PCB board to provide another easy connecting function. The PCB board with mounting holes is an easy method for customers to fix modules on their applications. This WEA series supports 3V and 5V input voltage. Furthermore, our Circuit Built-in Solution supports serial interface which can reduce PIN numbers for design.

WEA series are available with OLED sizes from 0.49”to 2.4” ; and 5.5” will be released in July or early of August. They are suitable for smart home application, medical device, smart control, meter, etc. OLED Circuit Built-in Solution is designed to help customers to reduce their development time and provide an easy way for OLED panel setup. It’s a very easy task for customers to set up the display with their device. Using our OLED Circuit Built-in Solution can shorten the development time and speed up the time to market.



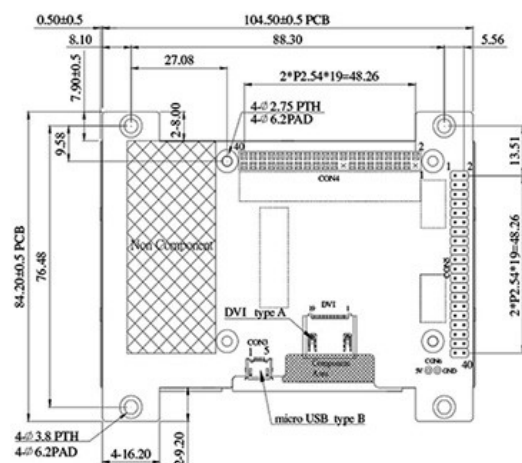
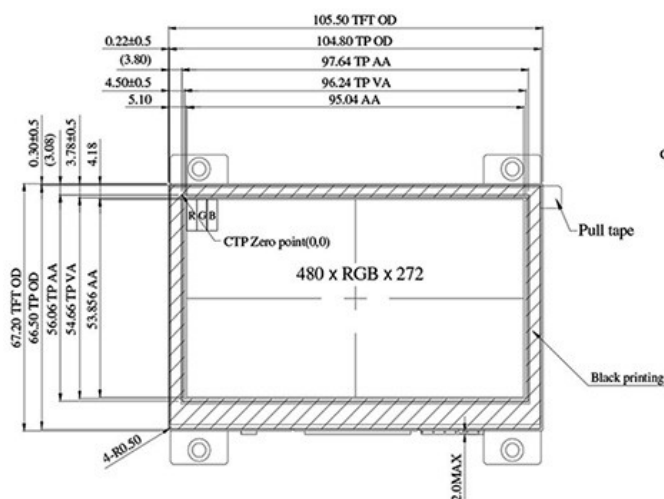
	Product				
Available	0.49” 	0.66” 	0.71” 	0.84” 	0.91”
	0.96” 	1.1” 	1.28” 	1.5” 	1.54”
	2.08” 	2.23” 	2.4” 		
July 2021	5.5” 		Active Area 5.5” 256*64 Pixels		

For HDMI Signal 4.3" Capacitive touch IPS TFT WF43WSYFEDHGV

WF43WSYFEDHGV is an IPS 4.3 inch High Brightness 480x272 TFT-LCD module with capacitive touch panel. WF43WSYFEDHGV comes with a control board which only supports Raspberry PI system HDMI Signal interface (only DVI). Please note that this module does not have built-in EDID parameter to support PC HDMI signal. There is a 40-pin GPIO connector on the board which is designed to make Raspberry Pi usage easy. The control board on module is featured with four mounting holes which is an easy method for customers to fix modules on their applications. WF43W HDMI series also supports PWM (Pulse Width Modulation) function for adjusting LED backlight brightness. WF43WSYFEDHGV adopts IPS panel which has a wider viewing angle of Left:80 / Right:80 / Up:80 / Down:80 degree (typical value). The brightness is 800 nits (typical value); capacitive touch panel is built in with ILI2130 IC which supports USB interface. We also offer resistive touch panels (RTP) for WF43W HDMI signal series, available part number WF43WSYFEDHTV (RTP touch).

The supply voltage for LCM (VDD) of WF43WSYFEDHGV is 5V, glare surface glass, aspect ratio 16:9, and contrast ratio 800:1 (typical value). It can be operating at temperatures from -20°C to +70°C and storage temperatures from -30°C to +80°C.

WF43WSYFEDHGV	Dimension
Size	4.3 inch
Dot Matrix	480 x RGB x 272(TFT)
Module dimension	105.5(W) x 84.2(H) x 23.78(D) mm
Active area	95.04 x 53.856 mm
Pixel pitch	0.198 x 0.198 mm
LCD type	TFT, Normally Black, Transmissive
Viewing Angle	80/80/80/80
Aspect Ratio	16:9
Controller IC	TFP401
Interface	HDMI (only for DVI)
Backlight Type	LED, Normally White
PCAP FW Version	0x07.0x00.0x00.0x00.0x01.0x0C.0x11.0x43
PCAP Interface	USB
PCAP IC	ILI2130 or equivalent
PCAP Resolution	16384*16384
Touch Panel	With PCAP
Surface	Glare



7" Wide Temp. RTP IPS TFT WF70A9TWAGDNT0

WF70A9TWAGDNT0 is a 7 inch 800x480 Wide Temperature IPS TFT-LCD display with resistive touch panels (RTP). This module is built in with HX8249-A and HX8678-C driver ICs, it supports 24-bit RGB interface. WF70A9TWAGDNT0 adopts IPS panel which has the advantage of wider view angle of Left:80 / Right:80 / Up:80 / Down:80 degree (typical), contrast ratio 1000:1 (typical value), brightness 350 nits (typical value), anti-glare surface panel, aspect ratio 15:9. If customers need high brightness backlight, please choose WF70A9SWAGDNT0.

The supply voltage (VCC) of WF70A9TWAGDNT0 is from 2.7V to 3.6V, typical value 3.3V. It can be operated at temperatures from -30°C to +80°C and storage temperatures from -30°C to +80°C.

WF70A9TWAGDNT0	Dimension
Size	7 inch
Dot Matrix	800 x RGB x 480(TFT)
Module dimension	165.8 (W) x 106.61 (H) x 8.0(D) mm
Active area	152.40 x 91.44 mm
Pixel pitch	0.1905 x 0.1905 mm
LCD type	TFT, Normally Black, Transmissive
View Direction	80/80/80/80
TFT Interface	24-bit RGB
TFT Driver IC	HX8249-A + HX8678-C or Equivalent
Aspect Ratio	15:9
Backlight Type	LED, Normally White
Touch Panel	With RTP
Surface	Anti-Glare

