

Taiwan, Feb, 2015

Welcome to read Winstar Newsletter issue no.77. In this issue, we will introduce one COG OLED new standard item WEO012864J as well as the comparison of three Winstar 2.42" COG OLED models and all our Character and Graphic COG/TAB OLED product list. Welcome to read the content thru the QR code on your cell phone.



The Chinese company has a well-known tradition of having year-end party to entertain all employees at a dinner party. Before the Chinese Lunar New Year, Winstar Display held our year-end parties in Taiwan and China last month to show the company's appreciation to all the employees. Above are the photos of the parties, hoping you share our happiness of the good beginning of the Chinese year of Goat.

Chinese New Year Holiday Notice

Winstar Display will be closed from February 18 thru February 23, 2015 for Chinese Lunar New Year Holiday. We will resume work on February 24, 2015. Please notice the shipping date before and after holiday. Please work with your Winstar sales closely before the holiday if your shipment might be affected. Thank you.

Shipping From Taiwan

- ▶ Last shipping date: February 16, 2015
- ▶ First shipping date: February 24, 2015

Shipping From China

- ▶ Last shipping date: February 13, 2015
- ▶ First shipping date: February 26, 2015

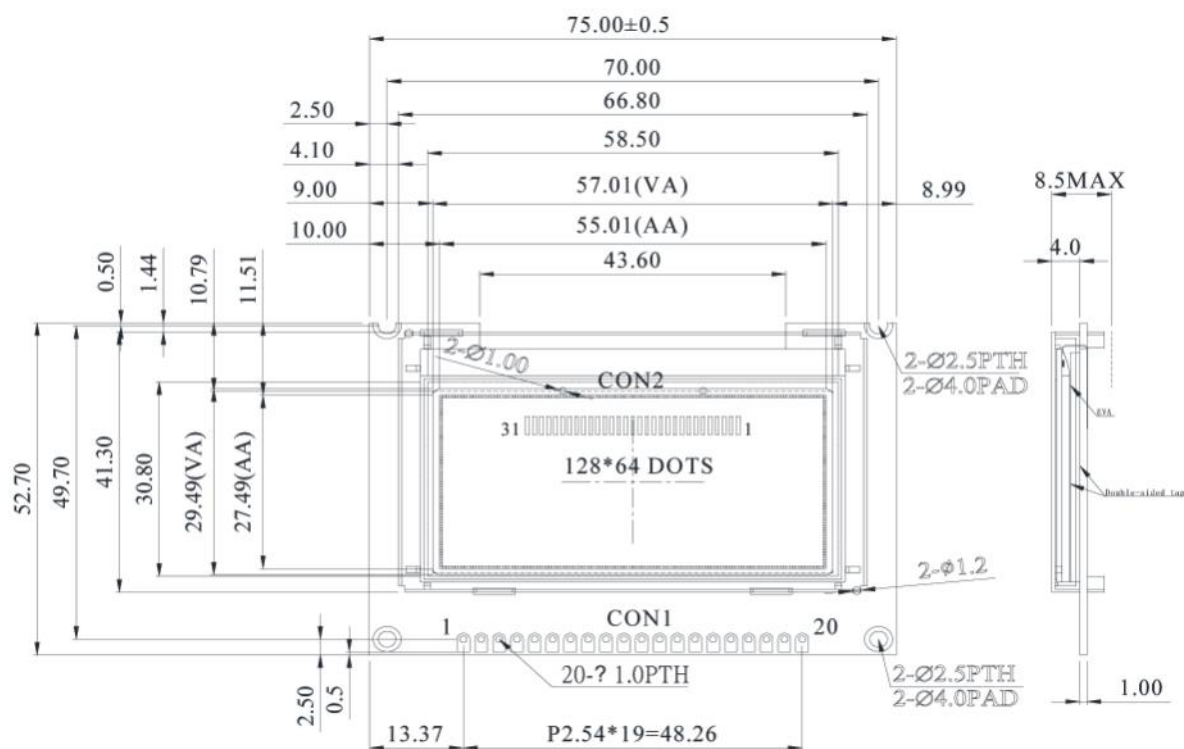


Product Introduction - COG OLED WEO012864J

The COG OLED 128x64 is one of the most popular resolution. Winstar Display already released two standard COG 128*64 Graphic OLED items no. WEO012864G and WEO012864H in our Newsletter issued no. 74. In this issue, we will introduce WEO012864J which is with a PCB on module. This display is built-in SSD1309 IC which with the module dimension of 75.0 x 52.7 mm and AA size of 55.01 x 27.49 mm.

This OLED module can be operating at temperatures from -40°C to $+80^{\circ}\text{C}$; its storage temperatures range from -40°C to $+80^{\circ}\text{C}$. Below is the basic specification of WEO012864J as reference. For any further information such as samples or quotation, please contact with our sales rep.



Item-WEO012864J	Dimension
Dot Matrix	128 x 64
Module dimension	75.0 × 52.7 × 8.5 mm
Active Area	55.01 × 27.49 mm
Pixel Size	0.40 × 0.40 mm
Pixel Pitch	0.43 × 0.43 mm
Display Mode	Passive Matrix
Display Color	Monochrome (Yellow)
Drive Duty	1/64 Duty
Driver IC	SSD1309



Comparison of Winstar 2.42" 128x64 COG OLED

In order to have easy access to choose what type of module will meet your requirement, we make a comparison chart of Winstar 2.42" COG OLED for customers as reference.

Below is the comparison chart of WEO012864G, WEO012864H and WEO012864J. For any further information such as samples or datasheets, please contact with our sales rep.

Module Type	WEO012864G	WEO012864H	WEO012864J
			
Diagonal Screen Size	2.42"	2.42"	2.42"
Dot Martix	128 × 64	128 × 64	128 × 64
Color Depth	Yellow	Yellow	Yellow
Module Construction	COG with ZIF FPC	COG with Hot Bar FPC	COG with PCB
Module Size (mm)	60.5 × 37.0 × 2.15 (mm)	60.5 × 37.0 × 2.15 (mm)	75.00 × 52.70 × 8.5 (mm)
Active Area (mm)	55.01 × 27.49 (mm)	55.01 × 27.49 (mm)	55.01 × 27.49 (mm)
Pixel Size (mm)	0.40 × 0.40 (mm)	0.40 × 0.40 (mm)	0.40 × 0.40 (mm)
Pixel Pitch (mm)	0.43 × 0.43 (mm)	0.43 × 0.43 (mm)	0.43 × 0.43 (mm)
Duty	1/64	1/64	1/64
Display with 50% check Board Brightness	80cd/m2 @ VCC =13V	80cd/m2 @ VCC=13V	100cd/m2 @ VDD= 3V
50% Check Board operating Current	18mA	18mA	135mA
Pin Out	31pin	31pin	20Pin
Driver IC	SSD1309	SSD1309	SSD1309

Winstar COG / TAB OLED Product List

Winstar Display already released a wide range of OLED Character and Graphic COG / TAB types for production. Please note these items are all available for yellow color and without MOQ limit, as to the other colors such as white, red, green or blue, please check with our sales persons for availability schedule. Regarding the WEO012832D and WEO012864K below marked in red, they will be available in Q2 2015. Here is the updated OLED COG/TAB list for your quick selection.

Winstar COG OLED Items

Module Number	Type	Inch	Outline	View Area	Active Area	Power Supply	Interface	IC
WEO001602B	Character (W/O FR)	1.23"	53.00*20.00	36.00*10.00	30.69*5.94	5V	6800, 8080, SPI, I2C	WS0012
WEO001602C	Character (W/O FR)	2.26"	68.50*17.50	58.22*13.52	56.22*11.52	5V	6800, 8080, SPI, I2C	SSD1311M1Z
WEO001602G	Character (W FR)	2.26"	84.00*44.00	58.22*13.52	56.22*11.52	5V	6800, 8080, SPI, I2C	SSD1311M1Z
WEO002002A	Character (W/O FR)	2.93"	84.50*19.28	75.52*13.52	73.52*11.52	5V	6800, 8080, SPI, I2C	SSD1311M1Z
WEO002004C	Character (W/O FR)	2.89"	84.50*27.50	72.42*22.82	70.42*20.82	5V	6800, 8080, SPI, I2C	SSD1311M1Z
WEO009664A	Graphic (W/O FR)	0.95"	24.90*22.95	21.953*15.424	19.946*13.418	3V	6800, 8080, SPI, I2C	SSD1305Z
WEO012832A	Graphic (W/O FR)	2.22"	62.00*24.00	57.02*15.10	55.018*13.098	3V	6800, 8080, SPI, I2C	SSD1305Z
WEO012832D	Graphic (W/O FR)	0.91"	30.00*11.50	24.384*7.584	22.384*5.584	3V	SPI	SSD1306Z
WEO012864B	Graphic (W/O FR)	1.54"	45.24*29.14	37.056*19.52	35.056*17.52	3V	6800, 8080, SPI, I2C	SSD1305Z
WEO012864D	Graphic (W/O FR)	0.96"	26.70*19.26	23.938*12.058	21.738*10.858	3V	6800, 8080, SPI, I2C	SSD1306Z
WEO012864F	Graphic (W/O FR)	1.60"	41.80*27.90	38.45*20.21	36.45*18.21	3V	6800, 8080, SPI	SSD1325Z2
WEO012864G	Graphic (W/O FR)	2.42"	60.50*37.00	57.01*28.91	55.01*27.49	3V	6800, 8080, SPI, I2C	SSD1309Z
WEO012864H	Graphic (W/O FR)	2.42"	60.50*37.00	57.01*28.91	55.01*27.49	3V	6800, 8080, SPI, I2C	SSD1309Z
WEO012864J	Graphic (W FR)	2.42"	75.00*52.70	57.01*28.91	55.01*27.49	3V	6800, 8080, SPI, I2C	SSD1309Z
WEO012864K	Graphic (W/O FR)	2.7"	73.00*41.86	63.41*32.69	61.41*30.69	3V	6800, 8080, SPI, I2C	SSD1309Z

Winstar TAB OLED Items

Module Number	Type	Inch	Outline	View Area	Active Area	Power Supply	Interface	IC
WEX009664A	Graphic (W/O FR)	1.11"	33.59*23.62	25.49*17.65	23.49*15.65	3V	6800, 8080, SPI, I2C	SSD1305T7R1
WEX009664B	Graphic (W/O FR)	1.11"	33.59*23.62	25.49*17.65	23.49*15.65	3V	6800, 8080, SPI, I2C	SSD1305T7R1
WEX012832A	Graphic (W/O FR)	2.0"	59.00*18.86	52.53*12.69	50.535*10.695	3V	6800, 8080, SPI, I2C	SSD1305T7R1
WEX012864C	Graphic (W FR)	2.7"	89.70*47.20	63.41*32.69	61.41*30.69	3V	6800, 8080, SPI, I2C	SSD1305T7R1
WEX012864D	Graphic (W/O FR)	2.7"	73.00*41.86	63.41*32.69	61.41*30.69	3V	6800, 8080, SPI, I2C	SSD1305T7R1
WEX012864E	Graphic (W PCB)	2.36"	75.00*52.70	57.01*29.49	53.73*26.85	3V	6800, 8080, SPI, I2C	SSD1305T7R1
WEX012864F	Graphic (W/O FR)	2.36"	60.50*37.00	56.35*28.05	53.73*26.85	3V	6800, 8080, SPI, I2C	SSD1305T7R1
WEX012864L	Graphic (W FR)	2.7"	89.70*47.20	63.41*32.69	61.41*30.69	3V	6800, 8080, SPI	SSD1325T6R1
WEX012864Q	Graphic (W/O FR)	2.7"	73.00*41.86	63.41*32.69	61.41*30.69	3V	6800, 8080, SPI	SSD1325T6R1
WEX013232A	Graphic (W PCB)	2.26"	84.00*44.00	60.00*18.00	55.41*15.33	3V	6800, 8080, SPI, I2C	SSD1305T7R1
WEX013232B	Graphic (W/O FR)	2.26"	62.64*25.44	58.21*17.13	55.41*15.33	3V	6800, 8080, SPI, I2C	SSD1305T7R1
WEX025664A	Graphic (W/O FR)	2.8"	84.00*25.80	71.104*19.264	69.098*17.258	3V	6800, 8080, SPI	SSD1322UR1
WEX025664B	Graphic (W/O FR)	3.12"	88.00*27.80	78.78*21.18	76.778*19.178	3V	6800, 8080, SPI	SSD1322UR1
WEX025664C	Graphic (W/O FR)	3.21"	87.40*28.50	81.084*21.756	79.089*19.756	3V	6800, 8080, SPI	SSD1322U1R1