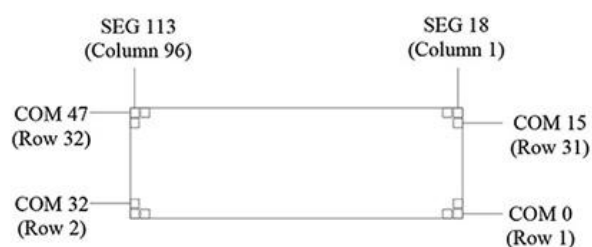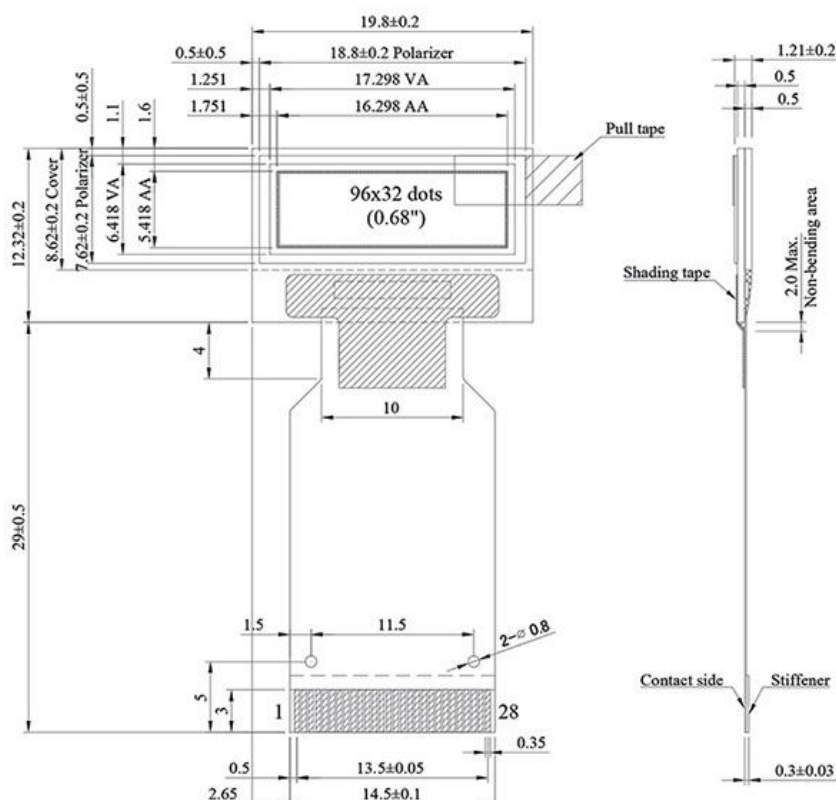**Oct 2019**

# New Product: 0.68" COG Graphic OLED WEO009632B

WEO009632B is a mini OLED display which is made of 96x32 pixels, diagonal size 0.68 inch. WEO009632B is built in with SSD1305 driver IC; it supports 6800/8080 8-bit parallel, I2C and 4-wire SPI interface, The supply voltage for logic of WEO009632B is 3V, 1/32 driver duty, display with 50% check board current is 3.6mA@12Vcc (typical value). This OLED module can be operating at temperatures from -40℃ to +80℃; its storage temperatures range from -40℃ to +85℃.

WEO009632B mini COG PMOLED module is ultra thin only 1.21 mm; lightweight and low power consumption. It is suitable for wearable device, smart home application, portable device, meter device, personal care appliance, voice recorder pen, health device, etc.



| WEO009632B | Dimension |
|---|---|
| Dot Matrix | 96 x 32 Dots |
| Module dimension | 19.80 x 12.32 x 1.21 (mm) |
| Active Area | 16.298 x 5.418 (mm) |
| Pixel Size | 0.148 x 0.148 (mm) |
| Pixel Pitch | 0.17 x 0.17 (mm) |
| Display Mode | Passive Matrix OLED |
| Drive Duty | 1/32 Duty |
| IC | SSD1305 |
| Interface | 6800, 8080, SPI, I2C |
| Size | 0.68 inch |



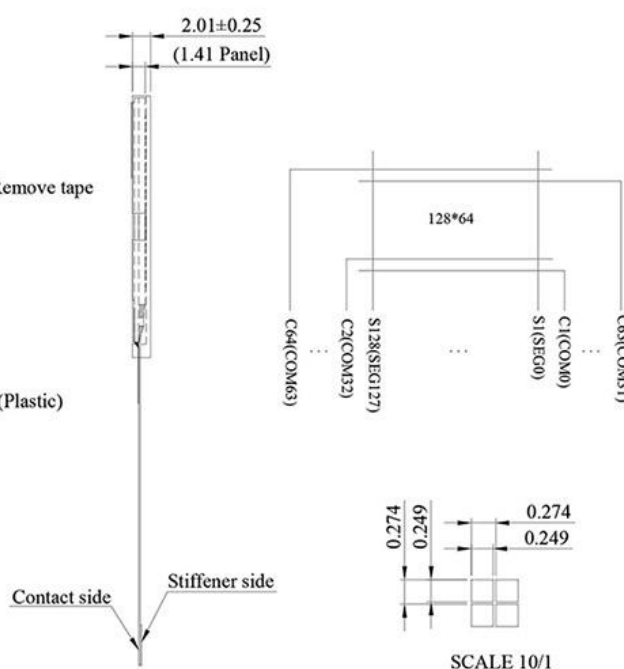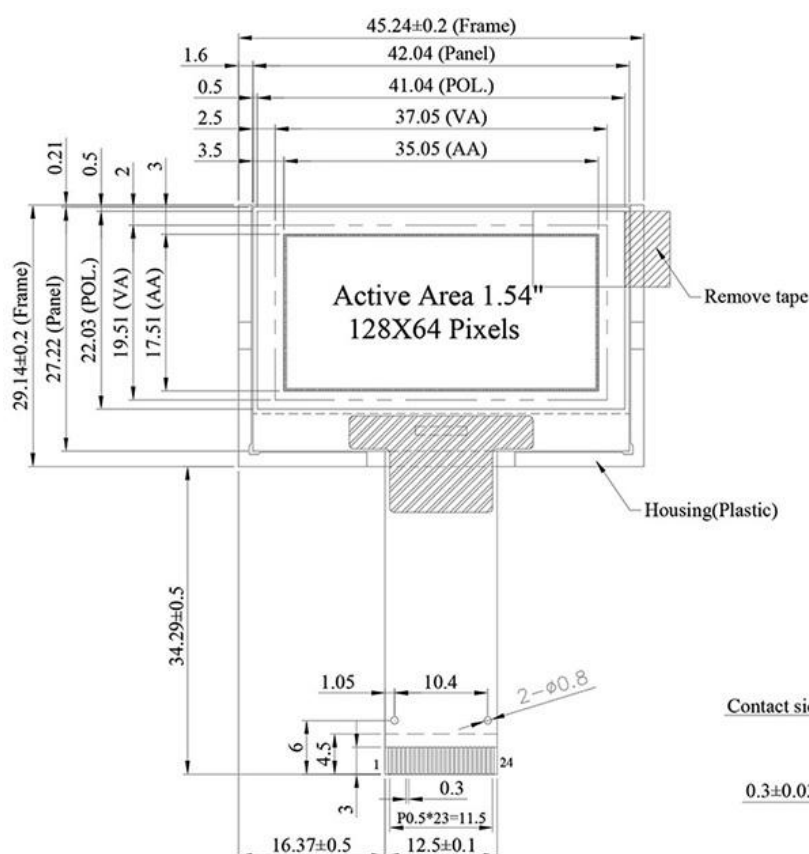►**Link to Winstar WEO009632B web page**

**WINSTAR** NEWS www.winstar.com.tw

# New Product: 1.54" COG OLED WEO012864Y

WEO012864Y is a small OLED display which is made of 128x64 pixels, diagonal size 1.54 inch. WEO012864Y is built in with SSD1309 driver IC; it supports 6800/8080 8-bit parallel, I2C and 4-wire SPI interface, The supply voltage for logic of WEO012864Y is 3V, supply voltage for display is 12.5V, 1/64 driver duty, display with 50% check board current is 16mA@12.5Vcc (typical value). This OLED module can be operating at temperatures from -40℃ to +70℃; its storage temperatures range from -40℃ to +85℃.

WEO012864Y is small COG graphic PMOLED module; ultra thin only 2.01 mm; lightweight and low power consumption. It is suitable for smart home application, portable device, meter device, personal care appliance, handheld instruments, IoT, etc.

| WEO012864Y | Dimension |
|---|---|
| Dot Matrix | 128 x 64 Dots |
| Module dimension | 45.24 x 29.14 x 2.01 |
| Active Area | 35.05 x 17.51 |
| Pixel Size | 0.249 x 0.249 |
| Pixel Pitch | 0.274 x 0.274 |
| Display Mode | Passive Matrix |
| Drive Duty | 1/64 Duty |
| IC | SSD1309 |
| Interface | 6800,8080,4-wire SPI, I2C |
| Size | 1.54 inch |





► **Link to Winstar WEO012864Y web page**

# Graphic COG LCD WO320240D

WO320240D is a monochrome graphic LCD module made of 320x240 dot matrix format. This STN COG module is built in with RA8835 controller IC; it supports 6800 and 8080 parallel interface. This COG module WO320240D is having the same outline dimension and VA size as TAB module WX320240D, but AA size is different. The WO320240D is an alternative item to replace WX320240D which TAB IC had been phased out. Comparing WO320240D (COG) to WX320240D (TAB), except the module structure is different; the outline dimension, VA size, interface, pin assignment, main electrical characteristics are the same, just AA size is a little different. If customers don't need controller IC on your module, please choose WO320240G as option.

The supply voltage for logic of WO320240D is 3.0V to 3.6V, typical value 3.3V, 1/240 duty circle. This module can be operating at temperatures from -20℃ to +70℃; its storage temperatures range from -30℃ to +80℃. WO320240D is available in FSTN positive LCD and with White LED backlight; please contact us if you need different LCD type and LED combination.

| WO320240D | Dimension |
|---|---|
| Number of dots | 320 x 240 Dots |
| Outline dimension | 94.7 x 83.3 x 8.6max mm |
| View area | 81.4 x 61.0 mm |
| Active area | 76.785 x 57.11 mm |
| Dot size | 0.223 x 0.225 mm |
| Dot pitch | 0.238 x 0.24 mm |
| LCD type | FSTN Positive Transflective |
| Duty | 1/240 |
| View direction | 6 o'clock |
| Backlight | LED, White |
| IC | RA8835 |

► **Link to Winstar WO320240D web page**