

Taiwan, Mar, 2015

Welcome to read Winstar Newsletter issue no.78. . In this issue, we will introduce Winstar standard 5.7” Clever System WF57M and the Solomon IC SSD1306 upgrade notice as well as the Winstar exhibition news. Most important of all, Winstar is going to hold a product seminar in Europe on April 30, 2015 in Poland. Welcome to participate this product seminar. Also, welcome to read the content thru the QR code on your cell phone.

QR Code - News issue no. 78

Exhibition News - FIEE Electrical in Brazil & AMPER in Czech

Winstar Display will attend the 28th International Electrical, Electronic, Energy and Automation Industry Fair 2015 in Brazil which will take place from March 23 thru March 27, 2015 and AMPER Trade Fair which will take place from March 24 thru March 27 in Czech. The FIEE Electrical and AMPER Trade Fair are the platforms for presenting Winstar products and services to the Brazil and the Central European market. Welcome to visit our booths and see what we demonstrate to you.

2015 FIEE Electrical in Brazil

- ▶ The 28th International Electrical, Electronic, Energy and Automation Trade Fair
- ▶ Date: March 23 ~ March 27, 2015
- ▶ Hours: 1:00 pm to 9:00 pm | Friday, from 1:00 pm to 8:00 pm
- ▶ Location: Anhembi Exhibition Hall - São Paulo - Brazil
- ▶ Booth No.:L500

<http://www.fiee.com.br/en/Home/>



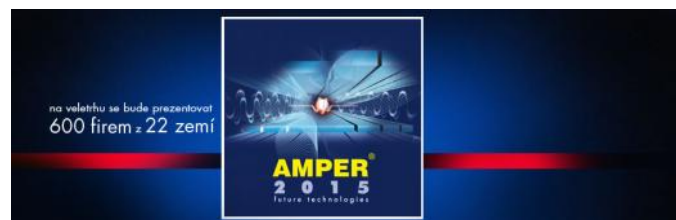
28TH INTERNATIONAL ELECTRIC,
ELECTRONIC, ENERGY AND
AUTOMATION TRADE FAIR

March 23 to 27, 2015
Anhembi | São Paulo - SP | Brazil
1 pm to 9 pm | Friday from 1 pm to 8 pm

2015 AMPER Trade Fair in Czech

- ▶ Date: March 24.~ March 27, 2015
- ▶ Venue: CZECH REPUBLIC, Brno Exhibition Centre
- ▶ Booth no.: Winstar Display: “F 0.02”

<http://www.amper.cz/en.html>





2015 Winstar Product Seminar in Europe

In June 2014, Winstar hold a new product seminar in Taiwan and that was a very successful event to Winstar and our customers. We are going to hold a product seminar in Europe on April 30, 2015 in Poland. This seminar geared towards Winstar distributors and their end-users.

You all are welcome to participate this seminar, please contact with our sales people and they will inform you more of the details. The primary goal was to improve the customers' awareness and understanding of Winstar products. We will bring you the basics and latest on Winstar STN, TFT and OLED product lines. Look up the below seminar location and get ready to learn more about Winstar Display. The main topics are :

- ▶ The advantages of Winstar Display
- ▶ TFT Introduction and Technology
- ▶ STN LCD Technology
- ▶ OLED Introduction and Technology
- ▶ Roadmap of Winstar Products



PRODUCT SEMINAR

4/30

2015 Winstar Seminar in Europe

- ⊗ Sound Garden Hotel
- ⊗ Hall: Opera
- ⊗ Add: Zwirki i Wigury 18, 02-092 Warszawa, Poland

Change Notice: OLED IC SSD1306 Version Upgrade (1)

Solomon Systech had issued the Product Bulletin regarding the upgraded version of SSD1306 IC with the following performance enhancements –

- A.) The max. Iseg current output is increased from 100uA to 240uA.
- B.) The min. Vbat voltage is lower from 3.3V to 2.2V.
- C.) Support Internal Iref.
- D.) Support selectable charge bump output voltage (6V/ 7.5V/ 8.5V/ 9V)

The part no. for the new upgraded version of IC is **SSD1306BZ**. There will be no change to the form and fit of the product. But, please note the below notices--

1.) C2P /C2N swap is for IC layout optimization to reduce internal routing resistance and hence, it may improve charge-pump efficiency.

2.) In general, the change should not affect end application as these 2 pins usually connect to the surface mount capacitor (MLCC) which mostly is non-polarity.

3.) However, if the end application connects it to the capacitor with polarity, the new version may cause the capacitor burned out. To modify the polarity direction of the capacitor or choosing a non-polarity capacitor design could solved this issue.

Object.:

Solomon SSD1306 IC upgrade from SSD1306Z2 to SSD1306BZ

Affected Item:

All Winstar OLED standard WEO012864D Series

Schedule:

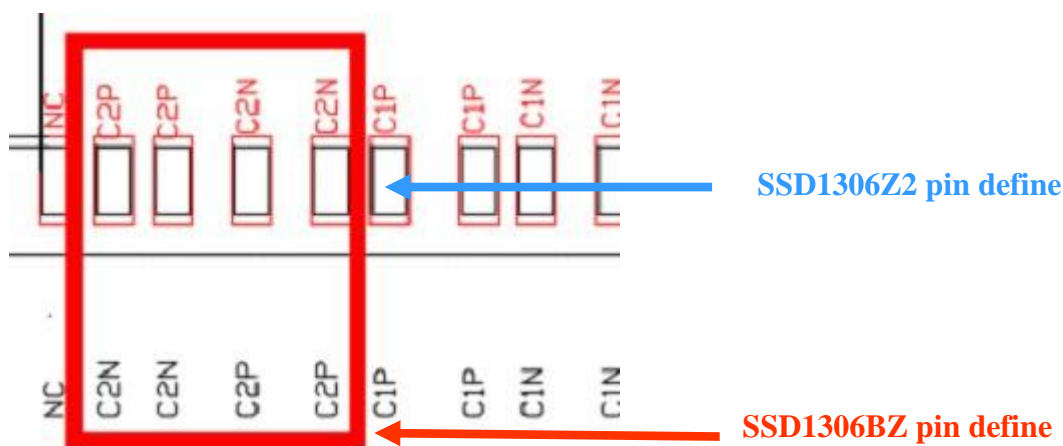
Running change around June 2015



The affected item is our standard item OLED WEO012864D series. Winstar is going to make a running change of current SSD1306Z2 to new version SSD1306BZ around June of 2015. If you have questions above the about statement or your current orders might be affected, please contact with us.

Change Notice: OLED IC SSD1306 Version Upgrade (2)

Below drawing is the main difference for the pin define of C2P and C2N swapped from SSD1306Z2 to SSD1306BZ. If you have any questions or more details, please contact with us.



Original module pin define

Interface Pin Function

No.	Symbol	Function
1	N.C. (GND)	Reserved Pin (Supporting Pin) The supporting pins can reduce the influences from stresses on the function pins. These pins must be connected to external ground.
2	C2P	Positive Terminal of the Flying Inverting Capacitor or Negative Terminal of the Flying Boost Capacitor The charge-pump capacitors are required between the terminals. They must be floated when the converter is not used.
3	C2N	
4	C1P	
5	C1N	

Module pin define after IC version upgrade

Interface Pin Function

No.	Symbol	Function
1	N.C. (GND)	Reserved Pin (Supporting Pin) The supporting pins can reduce the influences from stresses on the function pins. These pins must be connected to external ground.
2	C2N	Positive Terminal of the Flying Inverting Capacitor or Negative Terminal of the Flying Boost Capacitor The charge-pump capacitors are required between the terminals. They must be floated when the converter is not used.
3	C2P	
4	C1P	
5	C1N	

Product Introduction - TFT Clever System WF57M

Winstar Display introduced our 3.5" and 4.3" TFT M Series (Clever System) in our previous newsletters. In this issue, we will introduced Winstar 5.7" TFT M Series WF57M. This display is with the same feature as WF35M and WF43M which built-in control board with RS232 and SPI interface.

The outline dimension is 141.12 x 101.55 mm and AA size of 115.2 x 86.4 mm. This model is also having Resistive Touch Panel (RTP) and Capacitive Touch Panel (CTP) options. Below is the basic specification of WF57M as reference. This TFT module can be operating at temperatures from -20°C to $+70^{\circ}\text{C}$; its storage temperatures range from -30°C to $+80^{\circ}\text{C}$. For any further information such as samples or quotation, please contact with our sales rep.

Item-WF57M	Dimension
Size	5.7 inches
Dot Matrix	320 x RGBx240(TFT)
Module dimension	141.12(W) x 101.55(H) x 13.5 (D)
Active area	115.2 x 86.4 mm
Dot pitch	0.12 x 0.36 mm
LCD type	TFT, Normally White, Transmissive
View Direction	12 o'clock
Gray Scale Inversion Direction	6 o'clock
Backlight Type	LED, Normally White
Interface	RS232, SPI, 19200 Baud rate
Touch Panel	CTP or RTP Option
Surface	No Anti-Glare

