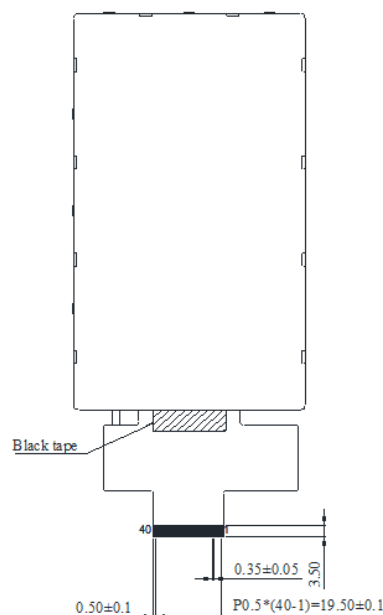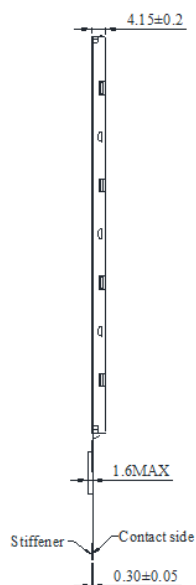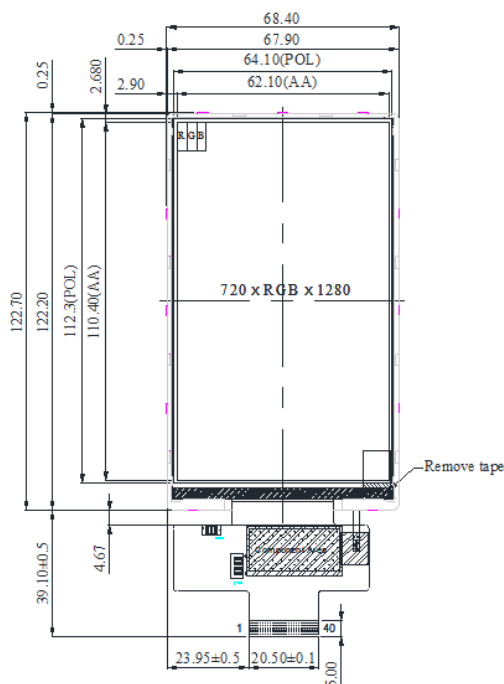WINSTAR **NEWS** www.winstar.com.tw

May, 2019

5" MIPI Portrait IPS High Brightness TFT WF50DSYA3MNN0

WF50DSYA3MNN0 is a High Brightness 5 inch IPS TFT-LCD module with resolution of 720x1280 pixels. This TFT-LCD is featured with IPS panel which is having the advantages of wider viewing angle of Left:80 / Right:80 / Up:80 / Down:80 degree (typical) and high brightness 1100 nits (typical value).

This WF50D 5 inch module is a portrait mode IPS TFT-LCD; this module is built in with ILI9881C driver IC; it supports MIPI interface (Mobile Industry Processor Interface) DSI (Display Serial Interface) which is having the characteristics of High Speed Data Transmission and High Speed Clock Transmission. This TFT display featured with Glare surface panel; aspect ratio 16:9, it can be operating at temperatures from -20℃ to +70℃; its storage temperatures range from -30℃ to +80℃.

WF50DSYA3MNN0	Dimension
Size	5 inch
Dot Matrix	720 × 3(RGB) × 1280
Module dimension	68.4 (W) × 122.7 (H) × 4.15 mm
Active area	62.1 (W) × 110.4 (H) mm
Dot pitch	0.08625(W) × 0.08625(H) mm
LCD type	TFT, Normally Black, Transmissive
Viewing angle	80/80/80/80 IPS
TFT Drive IC	ILI9881C or Equivalent
TFT Interface	MIPI DSI
Aspect Ratio	16:9
Backlight Type	LED, Normally White
With /Without TP	Without Touch Panel
Surface	Glare

Winstar Wide Temperature TFT-LCD Series

Winstar Display Thin-Film-Transistor (TFT) LCD module come with wide temperature range functionality, we offer a full range of modules; available sizes are including 3.5", 4.3", 5", 5.7", 7", 8", 9", 10.2" and 12.1 inch, to deliver better performance in a range of demanding situations, we also offer a higher brightness version (600~1000 cd/m²) as an option for some models. We offer resistive touch panels (RTP), commonly available in 4-wire. Custom touch panels can be offered for those units that currently do not include touch panels. These wide temperature TFT modules can be operating at Wide Temperature Range from -30℃ to 80℃ or up to 85℃; and storage temperatures from -40℃ to 80℃ or 90℃. They are suitable for industrial equipment & outdoor application, and etc.

Please see below quick selection chart for the brief specification including driver or controller for each module, interface, brightness, resolution as well as view direction, some of them are featuring with IPS technology TFT panel or VA panel which offering wider view angle. Welcome to contact our sales persons or via sales@winstar.com.tw for more details.

WINSTAR NEWS

www.winstar.com.tw

Quick Selection Guide for Winstar Wide Temperature TFT Series :

Resolution	Picture	Model No.	Size (inch)	Brightness (cd/m²)	View Direction	Interface	IC No.	Temperature (°C)
240×320		WF35WSWAJDNN0	3.5	1000	IPS	MCU	HX8347-A	-30~80
320×240		WF35TTNACDNN0	3.5	420	12H	RGB	No	-30~80
480×272		WF43STVAEDNN0	4.3	600	VA Glass	RGB	No	-30~80
480×272		WF43TTVAEDNN0	4.3	500	VA Glass	RGB	No	-30~80
800×480		WF50ESWAGDNN0	5	1000	IPS	RGB	HX8249-A+ HX8678-C	-30~80
800×480		WF50ETWAGDNN0	5	500	IPS	RGB	HX8249-A+ HX8678-C	-30~80
320×240		WF57RTQACDNN0	5.7	500	12H	RGB	No	-30~85
640×480		WF57RTQAFDNN0	5.7	450	6H	RGB	No	-30~85
800×480		WF70A4SWAGDNN0	7	1000	IPS	RGB	NT51632T + NT52601TT	-30~80
800×480		WF70RTIAGDNN0	7	400	12H	RGB	No	-30~85
800×480		WF80BTIAGDNN0	8	450	12H	RGB	No	-30~85
800×480		WF80BTIAGDNTA	8	320	12H	RGB	No	-30~85
1024×600		WF90BTWAHLNN0	9	500	IPS	LVDS	No	-30~85
800×480		WF102ATIAGDNN0	10.2	350	12H	RGB	No	-30~85
800×480		WF102ATIAGDNTA	10.2	250	12H	RGB	No	-30~85
1024×768		WF121ETWAMLNN0	12.1	600	IPS	LVDS	—	-30~85

► **Link to Winstar Wide Temperature TFT web page**