Winstar Display Co., LTD
華凌光電股份有限公司
WEB: https://www.winstar.com.tw E-mail: sales@winstar.com.tw

SPECIFICATION

MODULE NO.: WF121-1024768EL#0PW0-FC

General Specifications

Item	Dimension	Unit
Size	12.1	inch
Pixel Number	1024 x R.G.B. x 768	pixel
Module dimension	260.5 x 204.0 x 8.4	mm
Bezel Opening Area	249.0 x 187.5	mm
Active Area	245.76 (H) x 184.32 (V)	mm
Pixel Pitch	0.240(H) x 0.240(V)	mm
LCD type	TFT, Normally black, Transmissive	
View Direction	Wide View	
Aspect Ratio	4:3	
TFT Interface	1ch-LVDS	
Backlight Type	LED ,Normally White	
With /Without TP	Without TP	
Surface	Anti-Glare	

*Color tone slight changed by temperature and driving voltage.

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Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-30	—	+85	℃
Storage Temperature	TST	-40	—	+90	℃

Electrical Characteristics

1. TFT LCD MODULE

Ta = 25 ± 2 ºC

Parameter		Symbol	Value			Unit
			Min.	Typ.	Max.	
Power Supply Voltage		VCC	3.0	3.3	3.6	V
Rush Current		IRUSH	-	-	4	A
Power Supply Current	White	-	-	370	450	mA
	Black		-	300	380	mA
Power Consumption		PL	-	1.22	1.49	W
LVDS differential input voltage		|VID|	100	-	600	mV
LVDS common input voltage		VICM	0.7	-	1.6	V

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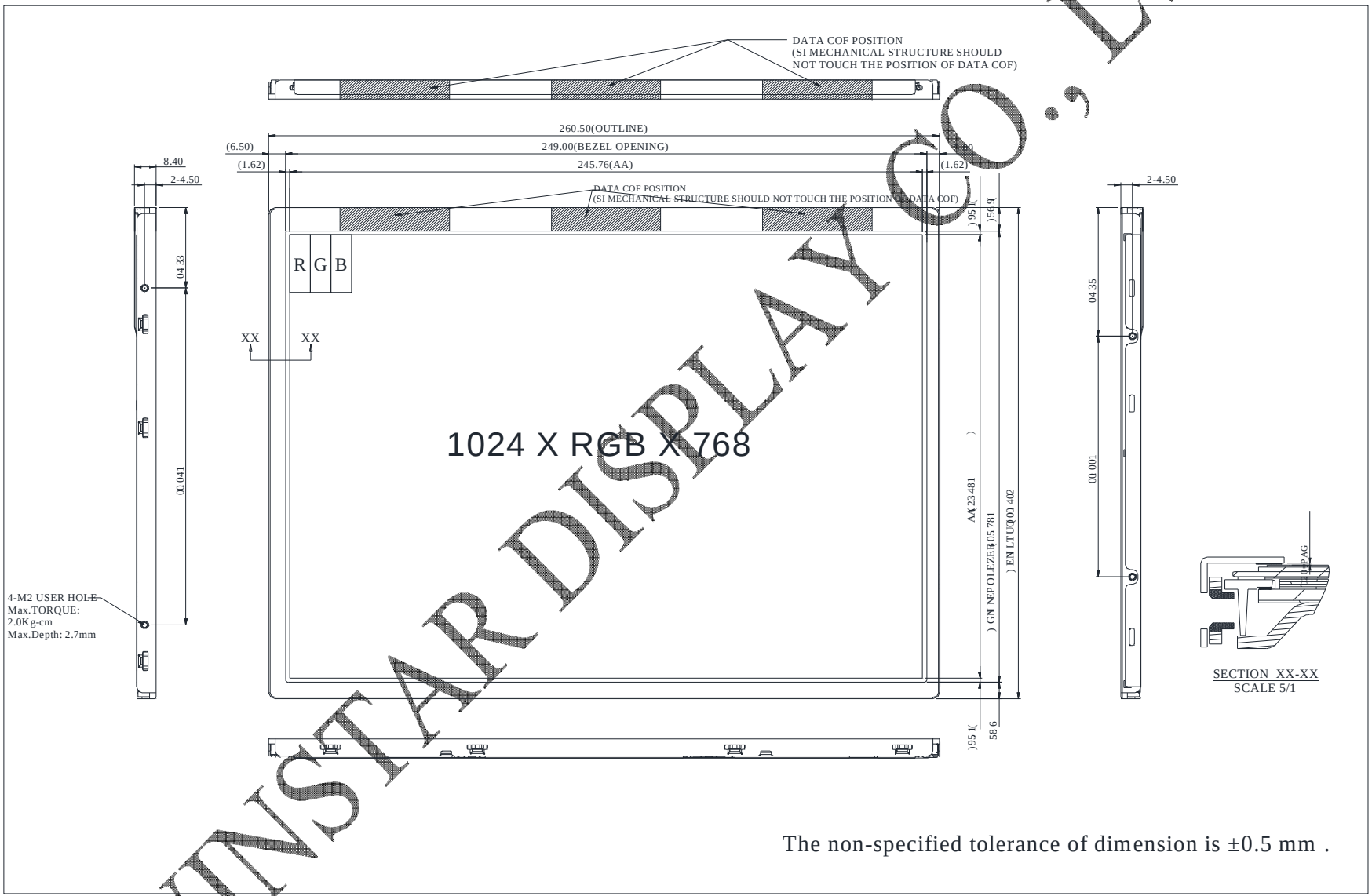
Interface

1. TFT LCD MODULE

Pin	Name	Description
1	RX3+	Differential Data Input, CH3 (Positive)
2	RX3-	Differential Data Input, CH3 (Negative)
3	NC	NC
4	SEL68	LVDS 6/8 bit select function control, Low or NC 6 bit Input Mode High 8 bit Input Mode
5	GND	Ground
6	RXC+	Differential Clock Input (Positive)
7	RXC-	Differential Clock Input (Negative)
8	GND	Ground
9	RX2+	Differential Data Input , CH2 (Positive)
10	RX2-	Differential Data Input , CH2 (Negative)
11	GND	Ground
12	RX1+	Differential Data Input , CH1 (Positive)
13	RX1-	Differential Data Input, CH1 (Negative)
14	GND	Ground
15	RX0+	Differential Data Input, CH0 (Positive)
16	RX0-	Differential Data Input, CH0 (Negative)
17	reLR	Horizontal Reverse Scan Control, Low or NC Normal Mode. High Horizontal Reverse Scan
18	reUD	Vertical Reverse Scan Control, Low or NC Normal Mode, High Vertical Reverse Scan
19	VCC	Power supply
20	VCC	Power supply

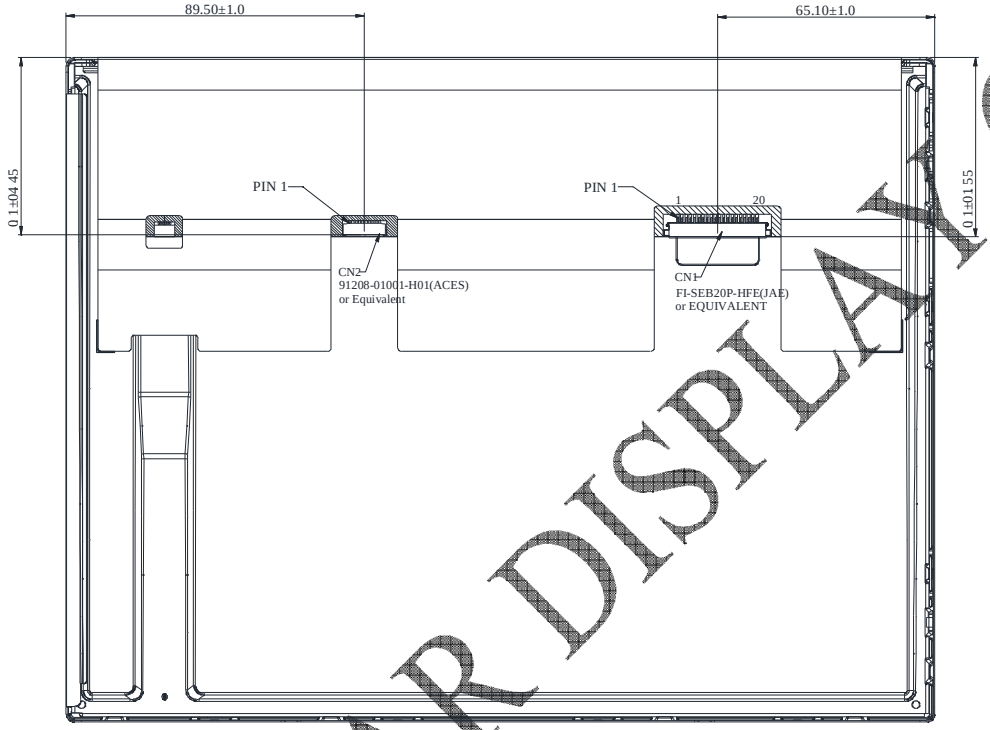
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Contour Drawing



The non-specified tolerance of dimension is ±0.5 mm .

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CN2	
PIN NO.	SYMBOL
1	V_i
2	V_i
3	V_i
4	V_i
5	V_{GND}
6	V_{GND}
7	V_{GND}
8	V_{GND}
9	EN
10	ADJ

CN1	
PIN NO.	SYMBOL
1	RX3+
2	RX3-
3	NC
4	SEL68
5	GND
6	RXC+
7	RXC-
8	GND
9	RX2+
10	RX2-
11	GND
12	RX1+
13	RX1-
14	GND
15	RX0+
16	RX0-
17	reLR
18	reUD
19	VCC
20	VCC

The non-specified tolerance of dimension is ±0.5 mm .

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