



SPECIFICATION

MODULE NO.: WF121ATIAMLNNO#

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	246.0(H) x 184.5(V)	mm
Pixel Pitch	0.240(H) x 0.240(V)	mm
LCD type	TFT, Normally white, Transmissive	
Surface Treatment	Hard coating (3H), Glare	
Backlight Type	LED ,Normally White	
Module Power Consumption	11.8W (Black pattern)	
With /Without TP	Without TP	
Surface	Glare	

*Color tone slight changed by temperature and driving voltage.

Absolute Maximum Ratings

ABSOLUTE RATINGS OF ENVIRONMENT

Item	Symbol	Value		Unit	Note
		Min.	Max.	Unit	
Operating Ambient Temperature	TOP	-30	+80	°C	
Storage Temperature	TST	-40	+85	°C	

Electrical Characteristics

TFT LCD MODULE

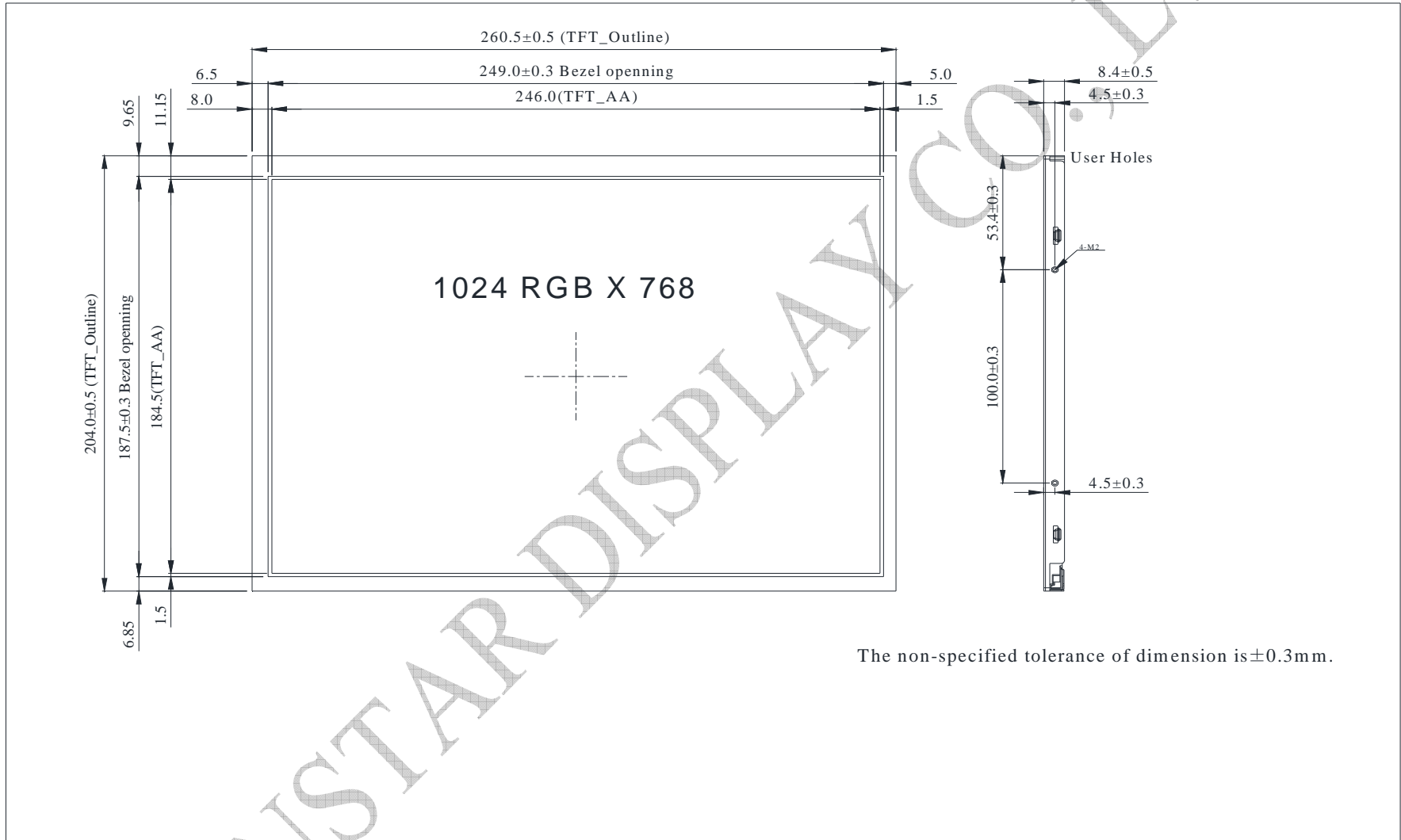
Ta = 25 ± 2 °C

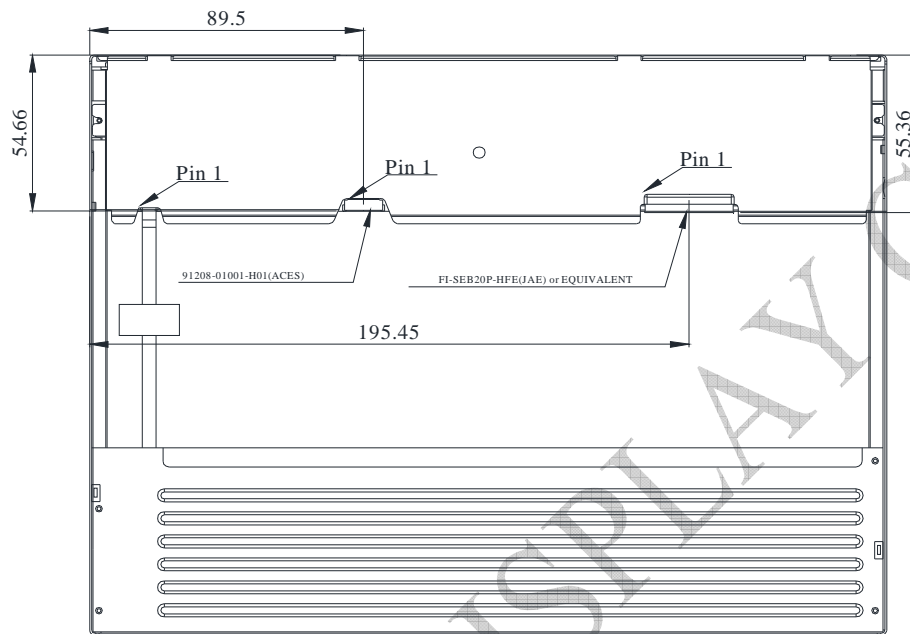
Parameter	Symbol	Value			Unit
		Min.	Typ.	Max.	
Power Supply Voltage	VCC	3.0	3.3	3.6	V
		4.75	5.0	5.25	V
Rush Current	IRUSH	-	-	4	A
Power Supply Current	White	-	410	490	mA
		-	320	395	mA
	Black	-	540	650	mA
		-	400	480	mA
Power Consumption	PL	-	2.0	-	W
LVDS differential input voltage	VID	100	-	600	mV
LVDS common input voltage	VICM	0.7	-	1.6	V

Interface

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 → 8bit 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

Contour Drawing





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 ± 0.3 mm.