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

SPECIFICATION

MODULE NO.: WF101GTAAPLNN0#

General Specifications

Item	Dimension	Unit
Screen Diagonal	10.1	inch
Number of Pixels	1280 x 3(RGB) x 800	dots
Module dimension	229.34 x 148.98 x 2.5	mm
Active area	216.96 (H) x 135.6(V)	mm
Pixel pitch	0.1695 × 0.1695	mm
Display Mode	Normally Black	
Pixel Arrangement	R.G.B. Vertical Stripe	
Backlight Type	LED,Normally White	
Electrical Interface (Logic)	LVDS	
With /Without TP	Without TP	
Surface	Glare	

*Color tone slight changed by temperature and driving voltage.

WINSTAR DISPLAY CO., LTD

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	0	—	+50	℃
Storage Temperature	TST	-20	—	+60	℃

Electrical Characteristics

Item	Symbol	Values			Unit
		Min.	Typ.	MAX.	
Power voltage	VDD	2.3	2.5	2.7	V
	AVDD	8.0	8.2	8.4	V
	VGH	21.7	22	22.3	V
	VGL	-7.3	-7	-6.7	V
Input signal voltage	TOP	2.7	3.0	3.3	V
Input logic high voltage	TST	0.8VDD	-	3.6	V
Input logic low voltage		0	-	0.2VDD	V

WINSTAR DISPLAY CO.,LTD

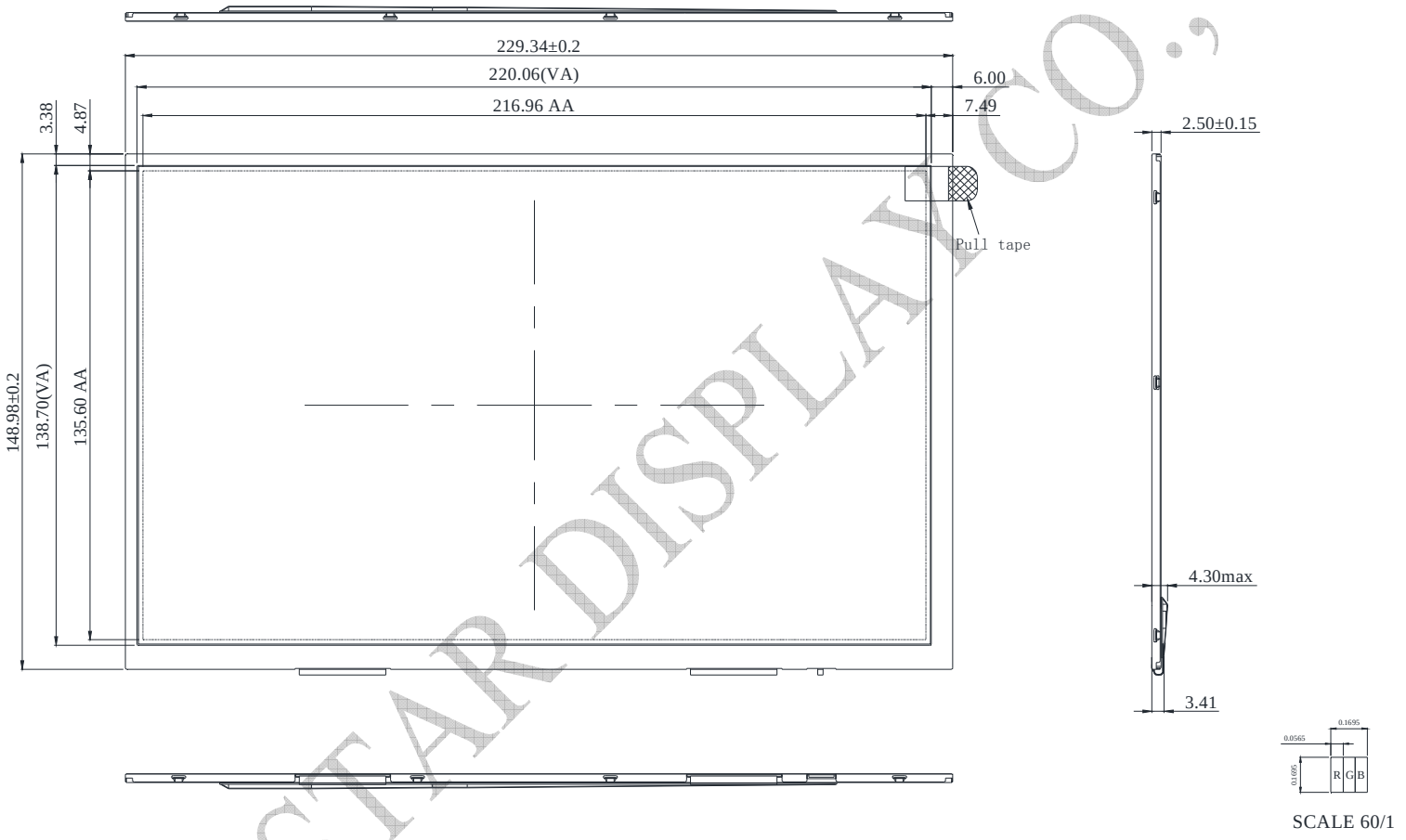
Interface

Pin No.	Symbol	I/O	Function
1	VCOM	P	Common Voltage
2	VDD	P	Power Supply
3	VDD	P	Power Supply
4	NC	-	No connection
5	NC	-	No connection
6	NC	-	No connection
7	GND	P	Ground
8	Rxin0-	I	-LVDS Differential Data Input
9	Rxin0+	I	+LVDS Differential Data Input
10	GND	P	Ground
11	Rxin1-	I	-LVDS Differential Data Input
12	Rxin1+	I	+LVDS Differential Data Input
13	GND	P	Ground
14	Rxin2-	I	-LVDS Differential Data Input
15	Rxin2+	I	+LVDS Differential Data Input
16	GND	P	Ground
17	RxCLK-	I	-LVDS Differential Clock Input
18	RxCLK+	I	+LVDS Differential Clock Input
19	GND	P	Ground
20	Rxin3-	I	-LVDS Differential Data Input
21	Rxin3+	I	+LVDS Differential Data Input
22	GND	P	Ground
23	NC	-	No connection
24	NC	-	No connection
25	GND	P	Ground
26	NC	-	No connection
27	LED_PWM	O	CABC controller signal output for backlight
28	NC	-	No connection
29	AVDD	P	No connection
30	GND	P	Ground
31	LED-	P	LED Cathode
32	LED+	P	LED Cathode
33	NC	-	No connection
34	NC	-	No connection
35	VGL	P	Gate OFF Voltage
36	NC	-	No connection
37	CABC_EN	I	CABC Enable Input
38	VGH	P	Gate ON Voltage
39	LED+	P	LED Anode
40	LED+	P	LED Anode

I: input, O: output, P: Power

WINSTAR DISPLAY CO., LTD

Contour Drawing

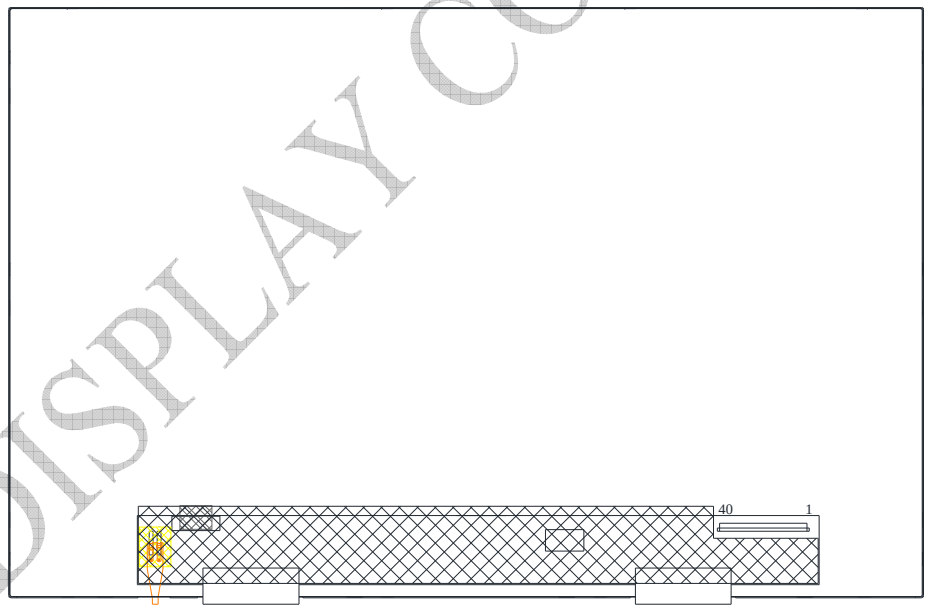


SCALE 60/1

The non-specified tolerance of dimension is ±0.3mm.

WINSTAR DISPLAY CO.,LTD

PIN NO.	SYMBOL	PIN NO.	SYMBOL
1	VCOM	21	Rxin3+
2	VDD	22	GND
3	VDD	23	NC
4	NC	24	NC
5	NC	25	GND
6	NC	26	NC
7	GND	27	LED_PWM
8	Rxin0-	28	NC
9	Rxin0+	29	AVDD
10	GND	30	GND
11	Rxin1-	31	LED-
12	Rxin1+	32	LED-
13	GND	33	NC
14	Rxin2-	34	NC
15	Rxin2+	35	VGL
16	GND	36	NC
17	RxCLK-	37	CABC_EN
18	RxCLK+	38	VGH
19	GND	39	LED+
20	Rxin3-	40	LED+



The non-specified tolerance of dimension is ±0.3mm.

WINSTAR DISPLAY CO., LTD