TFT DISPLAY SPECIFICATION



WINSTAR Display Co.,Ltd.

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SPECIFICATION

MODULE NO.: WFN1330EA2#0P0-FC

General Specifications

Item	Dimension	Unit
Size	13.3	inch
Dot Matrix	1920 x RGB x 1080	dots
Module dimension	307.6 x 183.15 x 11.7	mm
Active area	293.76 x 165.24	mm
Pixel Pitch	0.153 x 0.153	mm
LCD type	TFT, Normally Black, Transmissive	
View Angle	85/85/85/85	
TFT Interface	eDP	
Backlight Type	LED ,Normally White	
Touch Panel	Without Touch Panel	
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	-20	—	+70	℃
Storage Temperature	TST	-30	—	+80	℃

Electrical Characteristics

1. Operating conditions:

Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Power supply input voltage	V_{DD}	3.0	3.3	3.6	V
Power supply current	I_{DD}	-	450	675	mA

2. LED driving conditions

Parameter	Symbol	Min.	Typ.	Max.	Unit
LED current	ILED	-	450	-	mA
LED voltage	VLED+	16.2	18.0	19.8	V
LED Life Time	-	50,000	-	-	Hr

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Interface

1. LCM PIN Definition

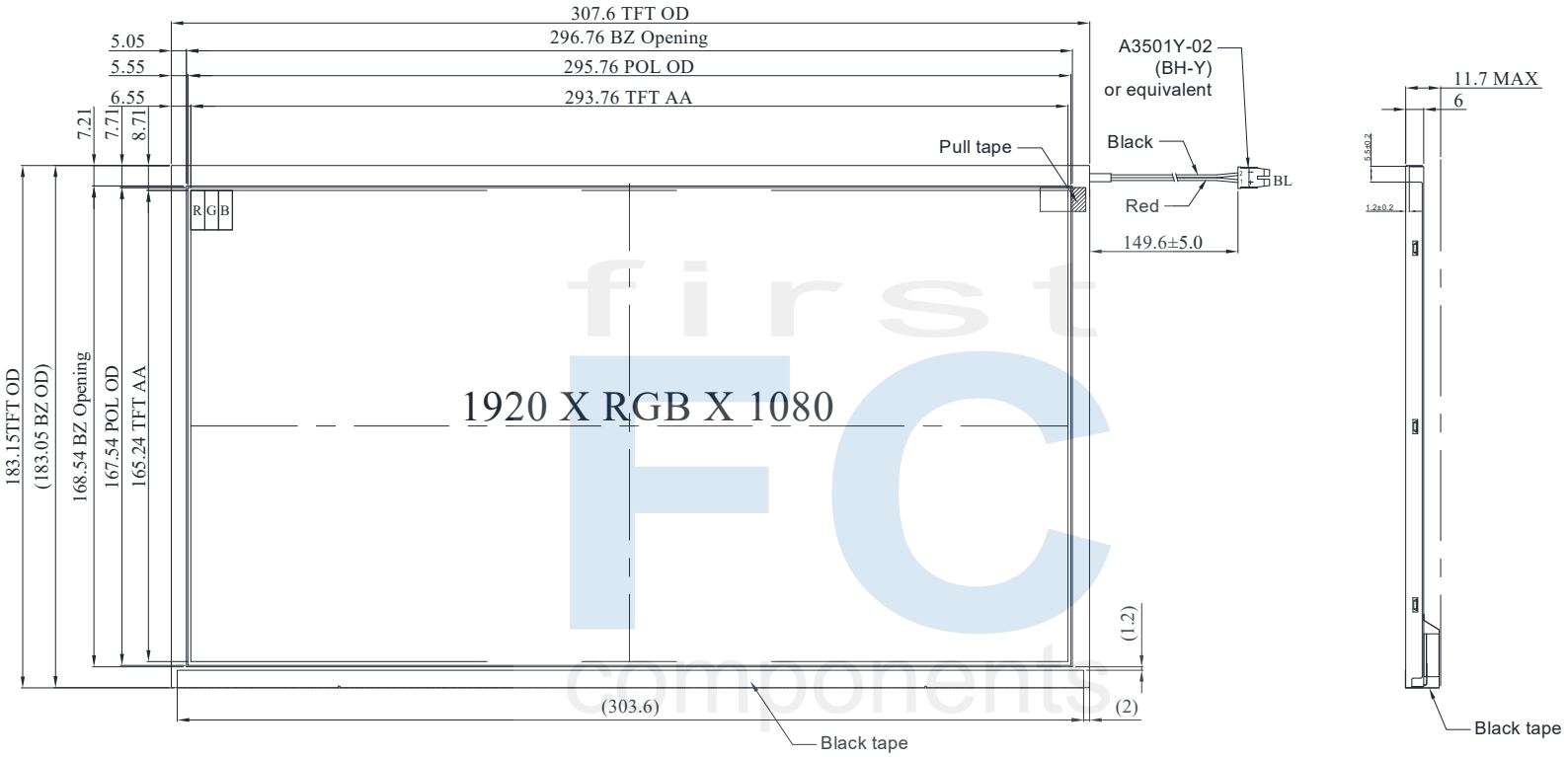
Pin No	Symbol	Function
1	NC	No Connection
2	GND	Power Ground
3	LANE1-N	Complement Signal Link Lane 1
4	LANE1-P	True Signal Line 1
5	GND	Power Ground
6	LANE0-N	Complement Signal Link Lane 0
7	LANE0-P	True Signal Line 0
8	GND	Power Ground
9	AUX-CH-P	True Signal Auxiliary Ch.
10	AUX-CH-N	Complement Signal Auxiliary Ch.
11	GND	Power Ground
12	VDD	LCD Logic and Driver Power (3.3V)
13	VDD	LCD Logic and Driver Power (3.3V)
14	NC	No Connection
15	GND	Power Ground
16	GND	Power Ground
17	HPD	Hot plug detect output
18	GND	Power Ground
19	GND	Power Ground
20	GND	Power Ground
21	GND	Power Ground
22-30	NC	No Connection

2. Backlight Driving Part

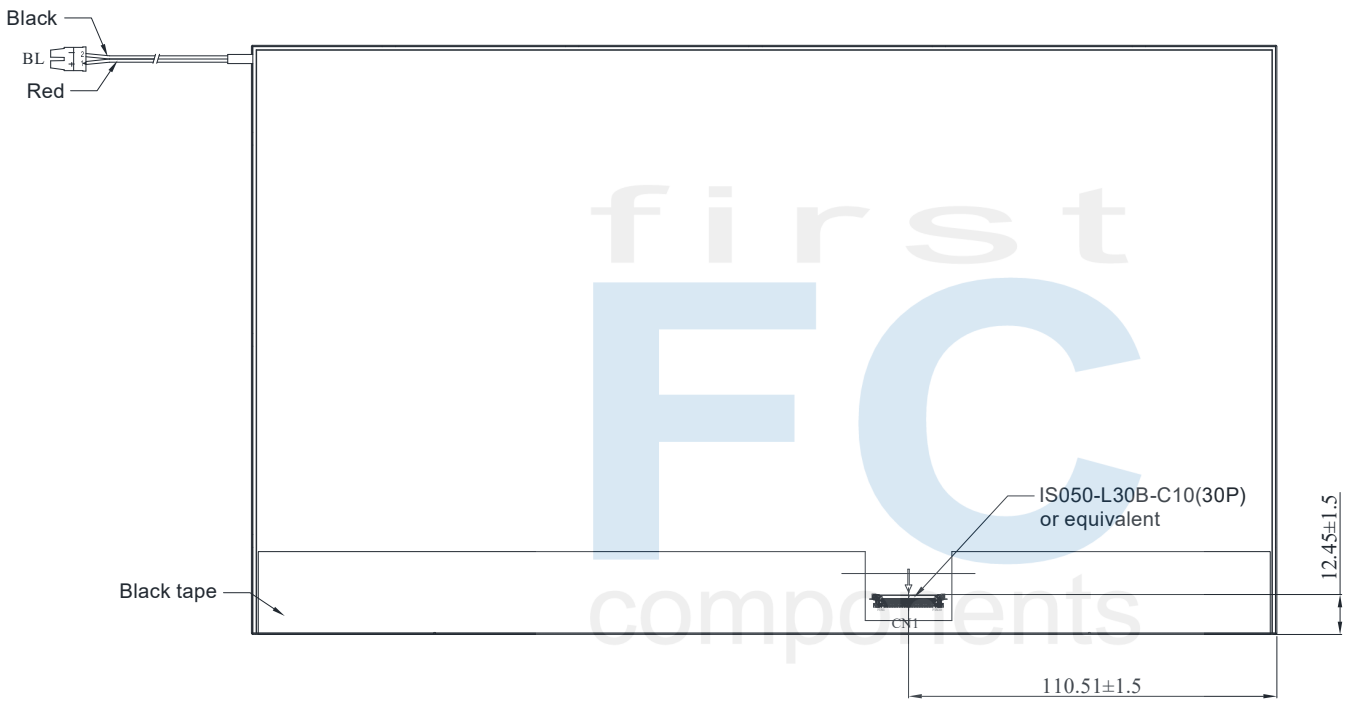
Pin No.	Symbol	Description
1	VLED+	Red, LED_ Anode
2	VLED-	Black, LED_ Cathode

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Contour Drawing



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



BL

PIN NO	SYMBOL
1	VLED+
2	VLED-

CN1

PIN NO	SYMBOL
1	NC
2	GND
3	LANE1_N
4	LANE1_P
5	GND
6	LANE0_N
7	LANE0_P
8	GND
9	AUX_CH_P
10	AUX_CH_N
11	GND
12	VDD
13	VDD
14	NC
15	GND
16	GND
17	HPD
18	GND
19	GND
20	GND
21	GND
22	NC
23	NC
24	NC
25	NC
26	NC
27	NC
28	NC
29	NC
30	NC

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

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