

TFT DISPLAY SPECIFICATION



WINSTAR Display Co.,Ltd.
華凌光電股份有限公司



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SPECIFICATION

MODULE NO.: WF0675ATYAB6LNN0

General Specifications

Item	Dimension	Unit
Size	6.75	inch
Dot Matrix	480 x 3(RGB) x 1280	dots
Module dimension	66.8 x 181.1 x 4.55	mm
Active area	60.19 x 160.512	mm
Pixel pitch	0.1254 x 0.1254	mm
LCD type	TFT, Normally Black ,Transmissive	
View Angle	85/85/85/85	
TFT Driver IC	NV3051F-L or Equivalent	
TFT Interface	LVDS	
Backlight Type	LED, Normally White	
Touch Panel	Without Touch Panel	
Surface	Glare	

*Color tone slight changed by temperature and driving voltage.

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-20	—	+70	°C
Storage Temperature	TST	-30	—	+80	°C

Electrical Characteristics

Operating conditions

Item	Symbol	Min	Typ	Max	Unit
Supply voltage for logic	VCC	3.0	3.3	3.6	V
Supply LCM current	Icc	-	50	75	mA

LED driving conditions

Parameter	Symbol	Min	Typ	Max	Unit
LED current	—	—	120	—	mA
LED voltage	VLED+	15.6	18.0	20.4	V
LED Life Time	—	—	50,000	—	Hr

Interface

LCM PIN Definition

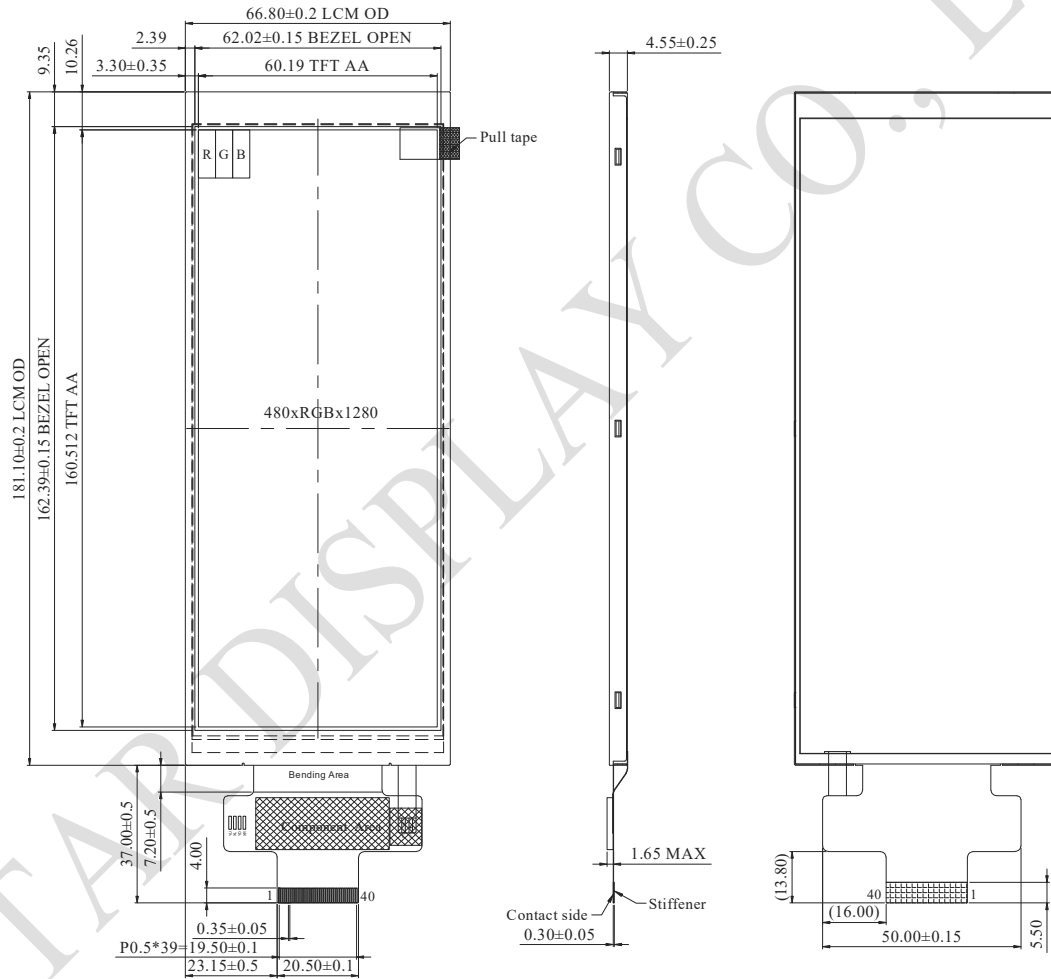
Pin No.	Symbol	Pin Description
1	NC	No connection
2 -3	VCC	Power supply
4	NC	No connection
5	RESET	Global Reset Signal. Active Low.
6	STBYB	Standby mode, normally pull high STBYB="1", normal operation STBYB="0", timing control, source driver will turn off, all output are high-Z
7	GND	Ground
8	RXIN0-	LVDS data Input
9	RXIN0+	LVDS data Input
10	GND	Ground
11	RXIN1-	LVDS data Input
12	RXIN1+	LVDS data Input
13	GND	Ground
14	RXIN2-	LVDS data Input
15	RXIN2+	LVDS data Input
16	GND	Ground
17	RXCLKIN-	LVDS clock Input.
18	RXCLKIN+	LVDS clock Input.
19	GND	Ground
20	RXIN3-	LVDS data Input
21	RXIN3+	LVDS data Input
22	GND	Ground
23	NC(YU)	No connection
24	NC(XL)	No connection
25	GND	Ground
26	NC(YD)	No connection
27	NC(XR)	No connection
28-29	NC	No connection
30	GND	Ground

31	VLED-	Power for LED backlight cathode
32	VLED-	Power for LED backlight cathode
33-38	NC	No connection
39	VLED+	Power for LED backlight anode
40	VLED+	Power for LED backlight anode

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Contour Drawing

PIN NO	SYMBOL	PIN NO	SYMBOL
1	NC	21	RXIN3+
2	VCC	22	GND
3	VCC	23	NC(YU)
4	NC	24	NC(XL)
5	RESET	25	GND
6	STBYB	26	NC(YD)
7	GND	27	NC(XR)
8	RXIN0-	28	NC
9	RXIN0+	29	NC
10	GND	30	GND
11	RXIN1-	31	VLED-
12	RXIN1+	32	VLED-
13	GND	33	NC
14	RXIN2-	34	NC
15	RXIN2+	35	NC
16	GND	36	NC
17	RXCLKIN-	37	NC
18	RXCLKIN+	38	NC
19	GND	39	VLED+
20	RXIN3-	40	VLED+



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