

TFT DISPLAY SPECIFICATION



WINSTAR Display Co.,Ltd.
華凌光電股份有限公司



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SPECIFICATION

MODULE NO.: WF35XSWACDNN0#

General Specifications

Item	Dimension	Unit
Size	3.5	inch
Dot Matrix	320 x RGB x 240(TFT)	dots
Module dimension	76.84(W) x 63.84(H) x 3.27(D)	mm
Active area	70.08 x 52.56	mm
Dot pitch	0.073 x 0.219	mm
LCD type	TFT, normally black, Transmissive	
View Direction	Wide View	
Driver IC	ST7272A or equivalent	
Interface	24-bit RGB	
Aspect Ratio	4:3	
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	-30	—	+85	°C
Storage Temperature	TST	-40	—	+85	°C

Electrical Characteristics

Operating conditions:

Item	Symbol	Min	Typ	Max	Unit
Supply Voltage For LCM	VCC	3.0	3.3	3.6	V
Supply Current For LCM	ICC	—	20	30	mA

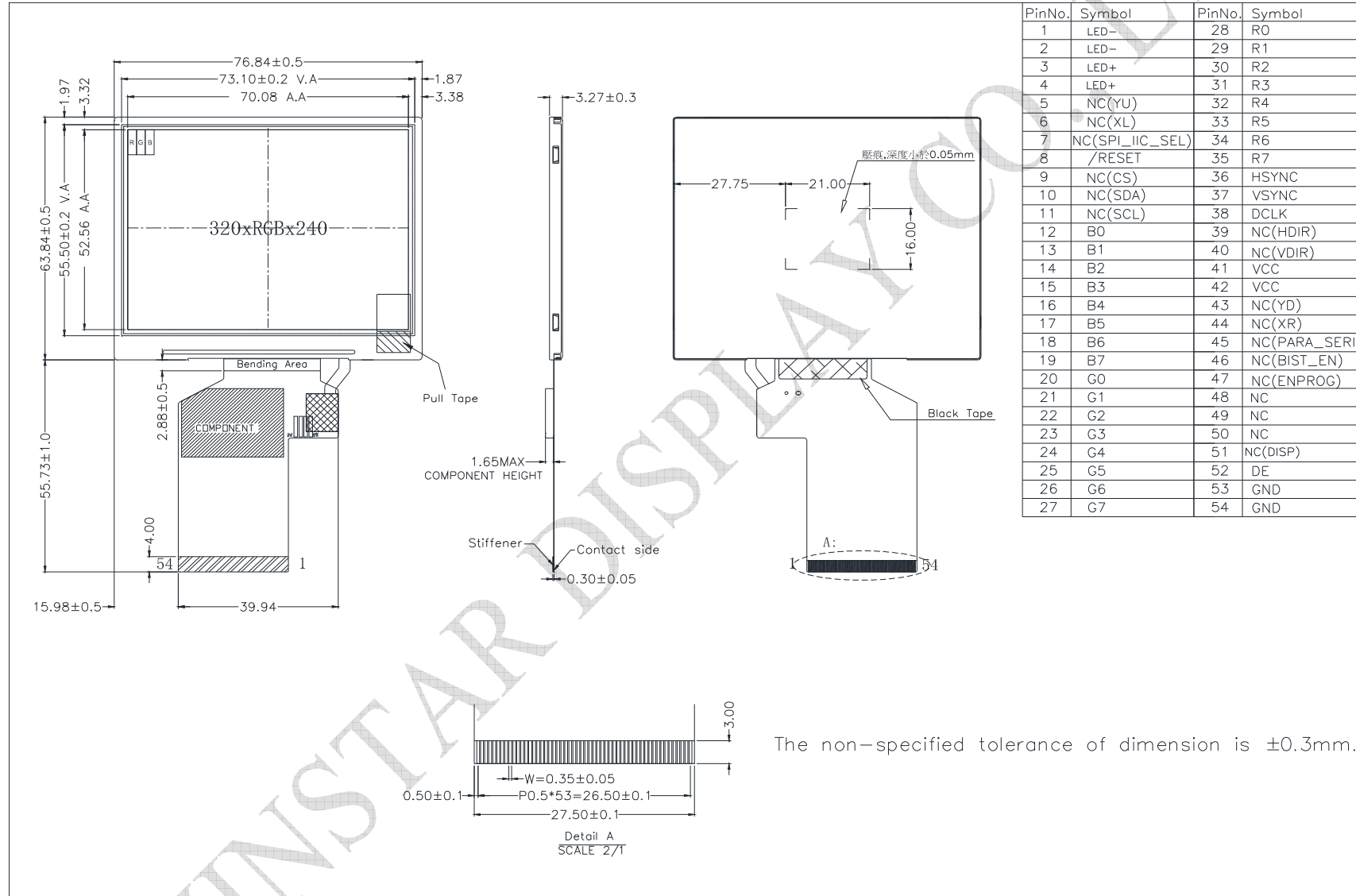
Interface

LCM PIN Definition

Pin	Symbol	Function	Remark
1	LED-	Power for LED backlight cathode	
2	LED-	Power for LED backlight cathode	
3	LED+	Power for LED backlight anode	
4	LED+	Power for LED backlight anode	
5	NC(YU)	No connect	
6	NC(XL)	No connect	
7	NC(SPI_IIC_SEL)	No connect	
8	/RESET	Hardware reset	
9	NC(CS)	No connect	
10	NC(SDA)	No connect	
11	NC(SCL)	No connect	
12	B0	Data bus	
13	B1	Data bus	
14	B2	Data bus	
15	B3	Data bus	
16	B4	Data bus	
17	B5	Data bus	
18	B6	Data bus	
19	B7	Data bus	
20	G0	Data bus	
21	G1	Data bus	
22	G2	Data bus	
23	G3	Data bus	
24	G4	Data bus	
25	G5	Data bus	
26	G6	Data bus	
27	G7	Data bus	
28	R0	Data bus	
29	R1	Data bus	
30	R2	Data bus	

31	R3	Data bus	
32	R4	Data bus	
33	R5	Data bus	
34	R6	Data bus	
35	R7	Data bus	
36	HSYNC	Horizontal sync signal, default is negative polarity.	
37	VSYNC	Vertical sync signal, default is negative polarity.	
38	DCLK	Dot-clock signal and oscillator source	
39	NC(HDIR)	No connect	
40	NC(VDIR)	No connect	
41	VCC	Power Supply	
42	VCC	Power Supply	
43	NC(YD)	No connect	
44	NC(XR)	No connect	
45	NC(PARA_SERI)	No connect	
46	NC(BIST_EN)	No connect	
47	NC(ENPROG)	No connect	
48	NC	No connect	
49	NC	No connect	
50	NC	No connect	
51	NC(DISP)	No connect	
52	DE	Data input enable. Display access is enabled when DE is "H" .	
53	GND	Ground	
54	GND	Ground	

Contour Drawing



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