

# 5" TFT LCD DISPLAY

Model: NL500031B0

Size: 5.5

Configuration: CPT + ILI9881C

Resolution: 720 \* 1280

Perspective: IPS

Operating temperature: -20 ~ 70 ° C

Storage temperature: -30 ~ 80 ° C

Backlight brightness: 400 cd / m2

PIN number: 33 PIN

Interface: MIPI

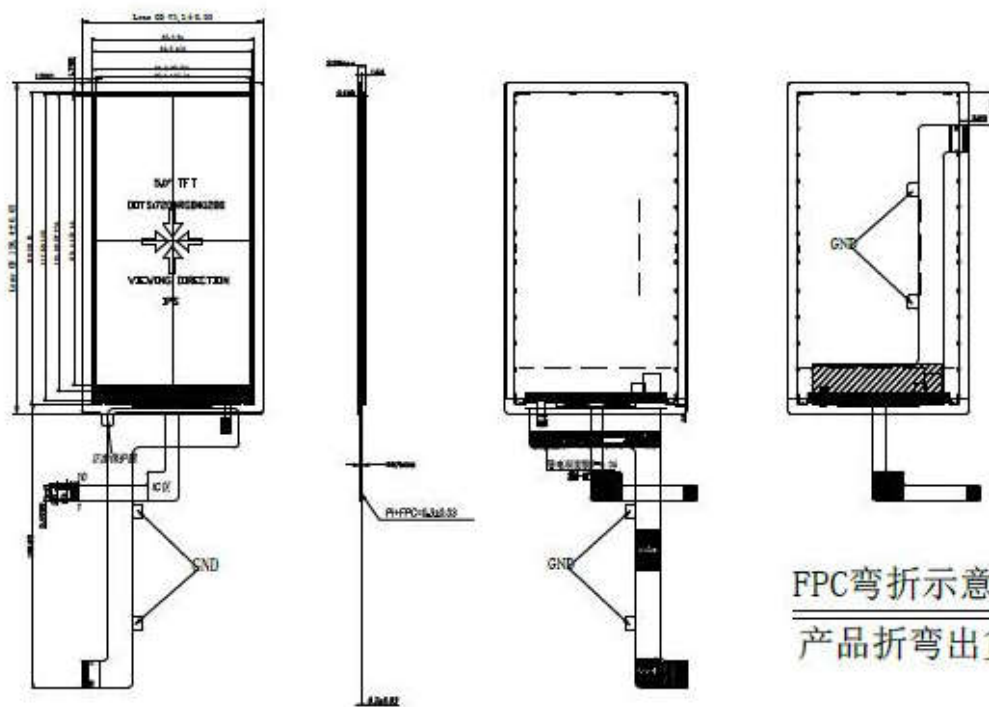


Model :	NL500031B0
Keywords Desc. :	5 inch 720*1280 TFT LCD touch screen assembly, 33 pins MIPI 400 cd/m2
Product Class :	Graphic LCD Display
Product Tags :	<ul style="list-style-type: none"> <li>Color TFT-LCD</li> <li>Wide Temperature LCD</li> <li>Capacitive Touch LCD</li> <li>IPS LCD</li> </ul>
Panel Type :	a-Si TFT-LCD
Panel Composition :	LCM
Panel Size :	5"
Resolution :	720×1280
Aspect Ratio :	9:16 (W:H)
Form Factor :	Flat Rectangle Display
Orientation :	Portrait type
Active Area :	62.1 (W) × 110.4 (H) mm (A.A)
Outline Dimension :	73.1 (W) × 126.4 (H) mm
Max. Depth :	1.64 mm
LC Family :	IPS Family
Polarizer :	Transmissive
Brightness :	400 (Typ.)
Contrast Ratio :	500:1 (Typ.)

Viewing Angle :	80/80/80/80 (L/R/U/D)
Viewing Direction :	Symmetry
Colors Amount :	16.7M
Backlight Type :	WLED
Interface Type :	MIPI
Interface Pins :	33 Pins
Touch Panel :	Embedded (Projected Capacitive Touch)
Operating Temp. :	-20 ~ 70 °C
Storage Temp. :	-30 ~ 80 °C

## 2. Mechanical Characteristics

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此产品为框贴工艺

FPC弯折示意图  
产品折弯出货

1	NC		
2	LED+		
3	NC		
4	LED-		
5	NC		
6	GND		
7	VIO18		
8	VIO38		
9	RESET		
10	LCD_ID		
11	TE		
12	GND		
13	TOP0		
14	TOP0		
15	GND		
16	TCF		
17	TCN		
18	GND		
19	TOP1		
20	TOP1		
21	GND		
22	TOP2		
23	TOP2		
24	GND		
25	TOP3		
26	TOP3		
27	GND		
1	RST	28	NC
2	VDD	29	NC
3	DAT	30	NC
4	SDA	31	NC
5	SCL	32	NC
6	GND	33	NC
7	NC		
8	NC		
9	NC		
10	NC		

CTP#4088

Pin	Name	Pin	Name
1	RST	28	NC
2	VDD	29	NC
3	DAT	30	NC
4	SDA	31	NC
5	SCL	32	NC
6	GND	33	NC
7	NC		
8	NC		
9	NC		
10	NC		

Note: If you need the complete datasheet, please contact us.