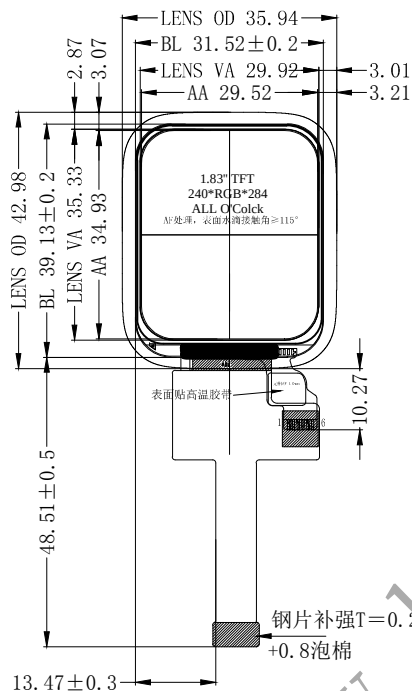


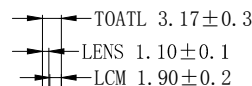
ROSH

Reversion	Discription	Date	Signed
V0	First issue	2025. 11. 11	FJB

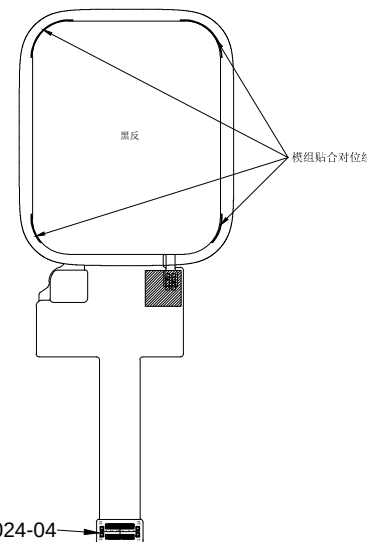
正视图



侧视图



背视图



Pin Assignment	
NO	SYMBOL
1	GND
2	LCD_TE
3	LCD_CS
4	LCD_CLK
5	LCD-D3
6	LCD-D2
7	LCD-D1
8	LCD-D0
9	LCD-RST
10	LCD-3V3
11	LCD-3V3
12	LEDA
13	LEDK
14	GND
15	CTP-SCL
16	CTP-SDA
17	CTP-RST
18	CTP-INT
19	CTP-VDD
20	CTP-GND
21	NC
22	NC
23	NC
24	NC

QSPI

TP PIN DESCRIPTION

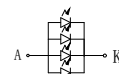
TP	PIN	DESCRIPTION
1	TP-SCL	
2	TP-SDA	
3	TP-RST	
4	TP-INT	
5	TP-VDD	
6	TP-GND	

NOTES:

1. DISPLAY TYPE: 1.83" TFT, TRANSMISSIVE Normally Black
2. DRIVER IC: NV3031B or compatible
3. VIEWING DIRECTION: All
4. BACKLIGHT: 4 pcs White LED
5. BRIGHTNESS: LCM 400 cd/m² (TYP)
BRIGHTNESS CTP+LCM: 350cd/m² (typ)
6. INPUT VOLTAGE: VCC 2.8V (TYP)
7. OPERATING TEMP: -20° C ~ +70° C
8. STORAGE TEMP: -30° C ~ +80° C
9. UNDEFINED DIMENSION TOLERANCE: ±0.2mm
10. RoHS COMPLIABLE
11. 建议机壳开窗可视区比 LCD A. A区单边大 0.3mm

注明:

1. 结构: OGS
2. IC型号: CST816D
3. 玻璃材质: 旭硝子
4. 透过率: ≥85%
5. 工作温湿度范围: -20°C~70°C;
储存温湿度范围: -30°C~80°C;
6. 表面硬度: ≥6H (750gf) CS ≥450, DOL ≥10
7. LENS达因值 ≥32, 达因笔品牌 Arcotest
8. 未标注公差: ±0.20, 贴合角度 ±1°
9. 所有的材料符合ROHS标准
10. *◇为重点尺寸:



If=80mA ; Vf=3.0V (TYP)
LED CIRCUIT DIAGRAM



深圳市华之洋光电科技有限公司

SHENZHEN HZY PHOTOELECTRIC TECHNOLOGY CO., LTD

Customer Ref.	Model No.	Drawing Title	HZ0183QVPBX01C-A0				
Part No.	Approve	Material	Unmarked Tolerance	Unit	Scale	Page	
Drawing No.	Checked	TDM	±0.2	mm	--	1 of 1	
Draw	FJB	Date	2025. 11. 11	Rev	V0		