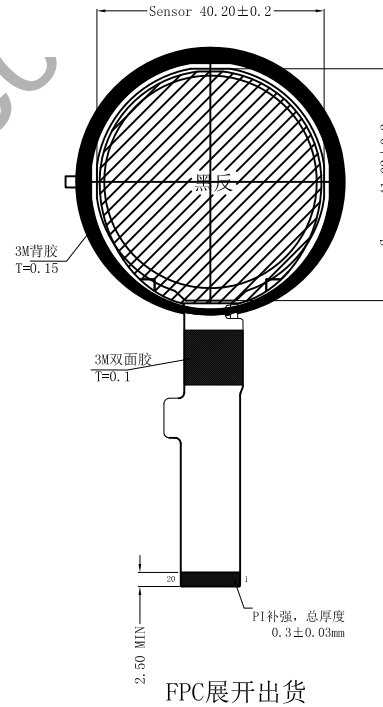
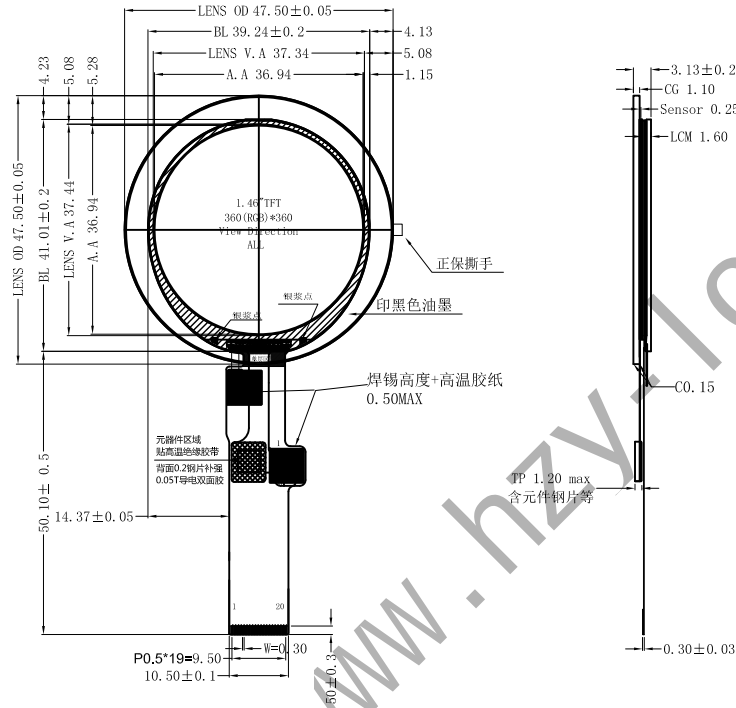


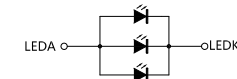
ROSH

Reversion	Discription	Date	Signed
V0	首次发行	2025-08-21	FJB



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	TP-SCL
16	TP-SDA
17	TP-RST
18	TP-INT
19	TP-VDD
20	TP-GND

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



BACKLIGHT CIRCUIT DIAGRAM
IF=60mA,VF=3.0V(TYP)

TFT VDD供电电压: VDD=3.0~3.3V
TP VDD供电电压: VDD=3.0~3.3V
TP I²C通讯电压: VDDIO=1.8V

NOTES:

- DISPLAY TYPE: 1.46" TFT, Normally black
- DRIVER IC: ST77916 or Compatible
- VIEWING DIRECTION: All 0° clock
- BACKLIGHT: 3 pcs White LED
- Luminance: 350cd/m² (typ)
BRIGHTNESS CTP+LCM: 300cd/m² (typ)
- INPUT VOLTAGE: VCC 3.3V (typ)
- OPERATING TEMP: -20° C ~ +70° C
- STORAGE TEMP: -30° C ~ +80° C
- UNDEFINED DIMENSION TOLERANCE: ±0.2mm
- RoHS COMPLIABLY

- 关键参数技术要求:
- 产品结构: TP结构GF; CG旭硝子玻璃OCA 三菱
 - 玻璃材质: 旭硝子 IC: CST816D, 3. CS≥450Mpa, DOL≥8um, 表面硬度≥6H(750g)
B10≥450MPa CG侧边光滑, 无连续性严重崩裂纹和可见微裂纹;
 - 工作环境: -20°~+70° C, ≤90 %RH
 - 储存环境: -30°~+80° C, ≤90 %RH
 - sensor表面能≥30 (Arcotest Dyne测试笔, 3S收缩小于10%); 油墨不能含有金属材料
 - 油墨绝缘阻抗值≥1000MΩ/5mm, 在CG背面油墨区选择上下左右量测4点;
 - 采用X-Rite 341仪器测试CG油墨的不透明性 (OD值); OD≥5.0
 - 油墨厚度≤15um
 - 油墨附着力: 丝印区域 (除镜面银) 百格后用3M胶/610胶粘贴以90° 反拉3次, 要求达到 ISO 等级 1 或ASTM 等级 4B; 在切口的相交处有小片剥落, 划格区内实际破破损≤5%
 - 透过率量测设备型号: VMS-1S/ 岛津UV2500, CTP视窗透过率≥86%; 雾度 (Haze) ≤2
 - TP翘曲度≤0.2mm;
 - 环保要求: 符合RoHS2.0 & REACH标准
 - 未注公差±0.2

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		HZ0146HVPBSWC02C-AB			
%: Part No.	Approve	Material	Unmarked Tolerance	Unit	Scale	Page	
	Checked	LCM	±0.2	mm	--	1 of 1	
Drawing No.	Draw	FJB	Date	2025-08-21	Rev V0		