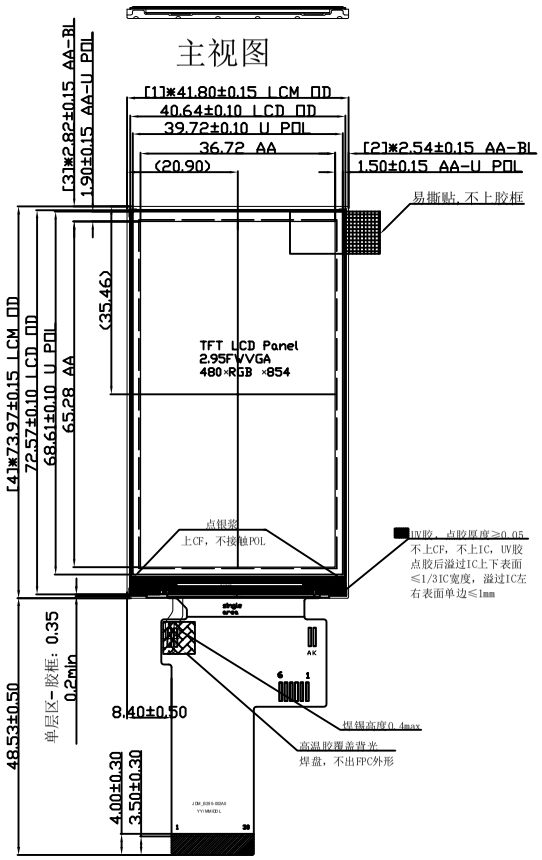
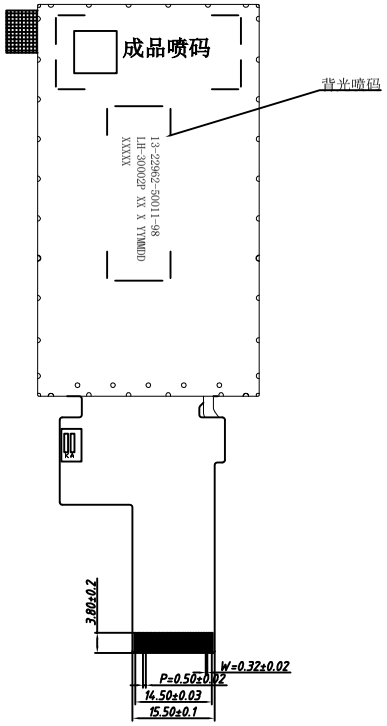
由 Autodesk 教育版产品制作

RoHS

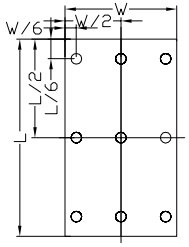
保密等级(秘密)

NO.		CONTENT	DATE
AMEND	A0	NEW	20230830
	A1		
	A2		
	A3		
	A4		

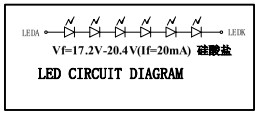




LCM展开出货



测试点



LED CIRCUIT DIAGRAM

Pad No.	Pad Name
1	LED_A
2-3	LED_K
4	VCI
5	IOVCC
6	RESET
7	NC
8	NC
9	GND
10	D0P
11	D0N
12	GND
13	D1P
14	D1N
15	GND
16	CLKP
17	CLKN
18	NC
19	NC
20	NC
21	GND
22	NC
23	NC
24	GND
25	TP_INT
26	SDA_TP
27	SCL_TP
28	TP_RST
29	TP_VCI
30	TP_IOVCC

只允许朝视区方向翘曲 H：0.4mm Max

NOTES:

1. **DISPLAY TYPE: 2.95″, TFT LCD** (BOE/GV029FWQ-N82-1QP0),
2. DISPLAY MODE: Transmissive, Normally Black
3. Operating TEMP: -20° C TO 70° C
   Storage TEMP: -30° C TO 80° C
4. DRIVER IC:ST7701SN
5. LCM(White):
   Brightness(centre point): 280cd/m² (MIN),300cd/m2 (TYP)
   Uniformity(9 point AVG):80%min,85%typ
   Viewing Angle Range:80/80/80/80
   色坐标：x=0.317±0.03; y=0.346±0.03(客户无要求，试产不管控)
   NTSC:Typ.60% Min.55%
6. LCM 对比度: Typ.1200:1 Min.1000:1
7. LCM NTSC: Typ.60% Min.55%
8. BACK LIGHT: 6 chip white LEDs If=20mA,Vf=17.2V-20.4V
9. * 重点尺寸,CPK>=1.33;( ) 参考公差 ,[n]尺寸序号（有全尺寸测试时使用）
   未注公差 参考公差表1
10. SUGGESTION:TP window size unilateral increase 0.3~0.5mm than LCM A.A
11. 产品变形，翘曲控制在: 0.4mm Max
12. FOG半成品料号：83-02930-7046A
13. 模组整机组装VA区建议（常规较AA外扩0.3~0.5）

TOLERANCE TABLE(±)

DIMENSION	1 GRADE	2 GRADE	3 GRADE	4 GRADE
L≤ 20	0.05	0.1	0.1	0.2
20 < L ≤ 50	0.1	0.15	0.2	0.25
50 < L ≤ 100	0.15	0.2	0.25	0.3
100 <L ≤ 200	0.2	0.25	0.3	0.5
200 <L	0.25	0.3	0.5	0.8

UNLESS OTHERWISE SPECIFIED

软件确认部分:

1. 软件ID:
2. 是否烧录Gamma(可多选):
   - ☐ 烧录动态3 Gamma
   - ☐ 烧录固定3 Gamma
   - ☐ 烧录动态one Gamma
   - ☐ 烧录固定Gamma
   - ☐ 烧录亮度
   - ☐ 烧录VCOM
   - ☑ 烧录全代码

Customer approve

DJN 帝晶光电 SHEN ZHEN DJN PHOTOELECTRIC TECHNOLOGY CO.,LTD

Model No	90-02930-7046A	Part No	SZA5454	
Drawing Title	液晶显示模组	Drawn	文泽圣	A0
Drawing No	D-RD-232-23	Checked	周家乾	Unit MM
Scale 1:1	第三视角	Approve	李丹丹	Page 1/1

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