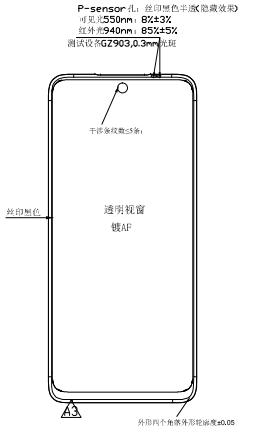
Autodesk

■ RoHS 2.0 ■ HF

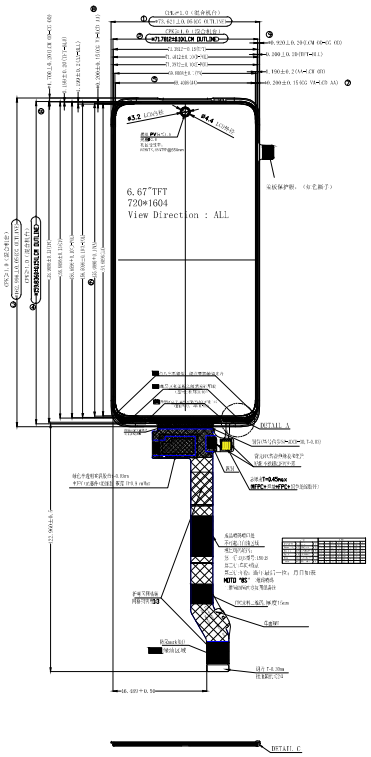
保密等级(秘密)

NO.		CONTENT	DATE
AMEND	A0	NEW	20240614
	A1	1、更新FPC保护膜，连接器；2、背光改FPC，上下增左角度，LED位移。	20240702
	A2	更新LED色质，料号异为3版	20240731
	A3	1、玻璃LOGO删除，料号升版；2、FPC耳朵R角更新，离屏侧胶纸外形更新	20240823
	A4	高温胶纸更改为单排卷料	20241011
	A5	背光孔隙方向更改，料号升版。更新BOM表，更新BOM表，更新IQC检验背光标准	20250310
	A6	更新成品二维码尺寸为5±1，BOM表	20250529
	A7	更改BSL上的贴膜孔保护膜料号，其它不变	20251020

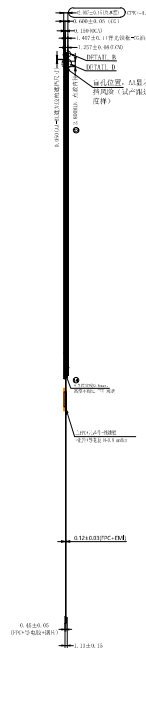
丝印效果图



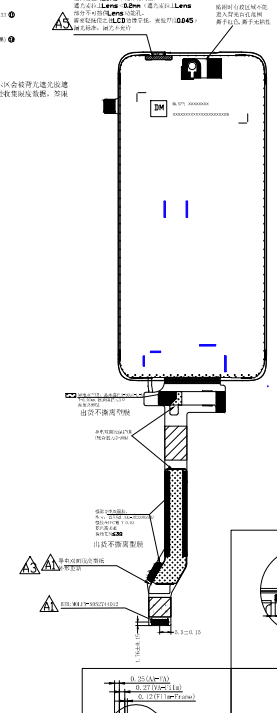
主视图



侧视图

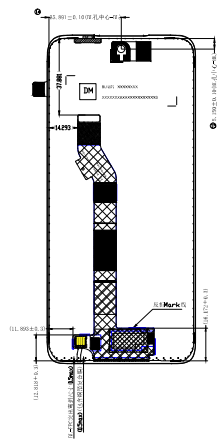


背视图

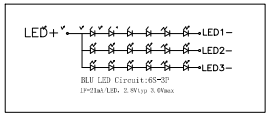


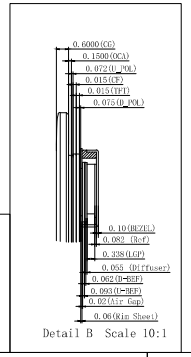
FPC预弯折示意图

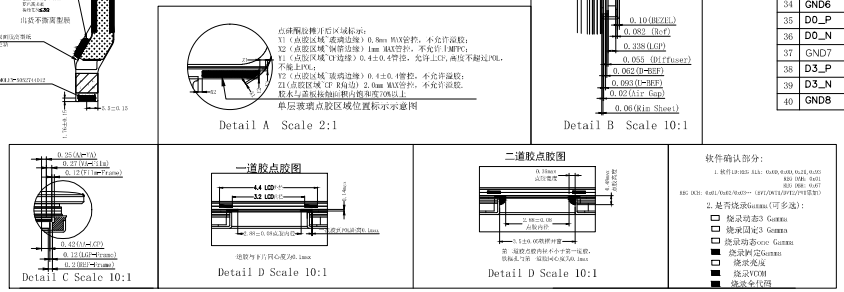
FPC展开出货



PIN	SYMBOL
1	GND1
2	SCLK
3	MOSI
4	MISO
5	CS
6	GND2
7	TP_RESET
8	NC1
9	NC2
10	TP_INT
11	NC3
12	LED_C3
13	LED_C2
14	LED_C1
15	LED_A
16	NC
17	NC
18	VSN: -6V
19	VSP: 6V
20	NC
21	IOVCC
22	LCM_RESET
23	TE
24	PWM
25	GND3
26	D2_P
27	D2_N
28	GND4
29	D1_P
30	D1_N
31	GND5
32	CLK_P
33	CLK_N
34	GND6
35	D0_P
36	D0_N
37	GND7
38	D3_P
39	D3_N
40	GND8







LCM Notes:

1. Display Type: 6.67", HD+, TFT/a-Si; DISPLAY MODE: Normal Black;
2. LCD:BM6670LT1-1 ; Driver IC:TD4160;
3. Backlight: 18 Chip-White LED (高色域), 6S3P;
4. Luminance (with CG): 800cd/m2 (Typ.), 670cd/m2 (Min);
   IF=21mA/LED, 2.8Vtyp 3.0Vmax;
5. White (u', v'); u'=0.1943, v'=0.4604 (CIE 1976);
   Suv = max 0.20, huv = 0~360
   Suv = max 0.25, huv = 225 ±45
   x:0.302±0.02; y:0.318±0.02;
6. Viewing Angle L/R/U/D: 80/80/80/80° (CR>10); Contrast Ratio: 1000min 1500 typ;
   NTSC:Min 78%,Typ:83% (CIE 1931),均匀性: 80% min 85% typ 按25点测试;
7. General Tolerance: ±0.20;
   Unless Otherwise Specified Tolerance of Radius: ±0.3;
8. Connector Type: 40Pin BTB型号: MOLEX-505274-4012;
9. Interface Type: Mipi 4Lane;
10. ⬭ CPK Control Dimension: CPK≥1.0; 带序号的为全测尺寸; *重点尺寸; ( ) 参考尺寸;
Inspection: ( ) Reference Dimension;
11. Flatness≤0.3mm;
12. Recommended Cellphone Window Size: 0.2mm from LCD A.A;
13. 建议整机机壳与模组避让 0.3mm Min;
14. AF Coating on CG front surface;
15. LCM outline 长度方向测量左/右 2 点; 宽度方向测量上/中/下 3 点; 厚度方向测量 5 点;
16. MIPI阻抗: 100±10Ω; 采用化镍金表面处理工艺, 镍材为软镍, 镍厚2.5~6um, 金厚0.05~0.11um。
17. OTP烧录内容: 个烧录;
18. CG 保护膜撕膜静电 ≤500V;
19. Flicker:-28dB (max) 16%;Gamma:2.2±0.2(试产); 2.2±0.3(量产);Crosstalk: 2%(max)
20. ESD(裸屏), 接触±4kV, 空气±8kV;
21. 符合RoHS2.0/Reach HF要求，环保要求为I级 (无卤欧盟环保) eW18 Specification (V6)文件
22. OPERATING TEMP: -20° C~70° C; STORAGE TEMP: -40° C~80° C;

CG技术参数:

1、采用0.6mm厚度 材质: 康宁GG3 表面硬度≥8H(750gf),VA透过率≥91%;
光泽系数31.9,折射率1.51,雾度≤1%;
2、CS≥750Mpa,DOL≥35um,CT≤75mpa; 4PB≥600Mpa (测试跨距20/40mm,压轴直径6mm速度10mm/min);
3、丝印要求: 视窗区理盲洞墨总厚度≤18um, 洞墨边缘不可堆墨, 油墨剪切强度不低于10MPa,
底色区域不可透光;油墨区域表面能≥32N(酒精擦拭后);
用32号Arcotest达到笔划线2cm,不收缩判定OK; 如果收缩面积<20%, 在相同位置用酒精清洁后,
用36号达因笔复判, ≥36B(酒精擦拭后, 用36号达因笔划线2cm,收缩面积≤20%, 判定OK, 收缩面积>20%, 直接判定NG);
4、丝印孔油墨区域表面能源精擦拭后≥28A
5、Back ink adhesion:≥4B;PC-SENSOR, 光感孔ink adhesion:≥4B(百格测试,以丝印在凸起上 一个大面积划百格为准)
油墨区域表面附着力≥4B,10mm胶离测量阻抗大于1000MΩ,油墨OD值≥5.0;
6、不可有刮伤或异物, 请注意洁净度, 打样阶段外形尺寸按下限曾控, 量产按正常管控;
7、落球条件: φ32mm/130g 钢球, 高度10cm, 冲击9个点(按照跑VA区内缩10mm测试), 每点冲击1次 ;
8、中心偏差≤0.20mm;
9、CG不可有白边;
10、燕鸥AF, AF coating在CG正面, 动摩擦系数≤0.05;初始正面水滴角>110°, 油滴角≥65°, 耐磨测试后水滴角>100°
[用面积1cm² 0000#钢丝绒施加1kg压力在AF膜层上施摩2500cycles(1个来回算两次),磨擦速度: 60cycle/min,磨擦行程:25mm]

Customer approve	DJN 帝晶光电 DJN OPTRONICS TECHNOLOGY CO., LTD.			
	Model No	9E-3M067-1504B	Part No	SZA6257
	Drawing Title	盲孔成品	Drawn	彭慧琼
	Drawing No	D-RD-104-24	Checked	周家乾
	Scale 1:1	第三视角	Approve	唐锐

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