

|   |                                         |            |
|---|-----------------------------------------|------------|
| M | BL扩散材质变更,BEF角度完善,料号变更                   | 2022-12-03 |
| E | 增加复合材料替代为主料                             | 2022-12-21 |
| N | 复合材料高型膜剪短; 旋板增加替代料;<br>AG用量变更; 包材增加专用线板 | 2023-4-3   |
| D | BL上增加制印线; BOM中增加胶栈板替代料                  | 2023-8-4   |
|   | 黑色遮光胶增加替代料                              | 2023-8-26  |

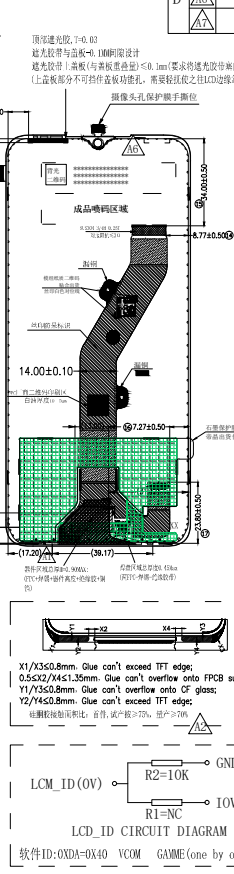
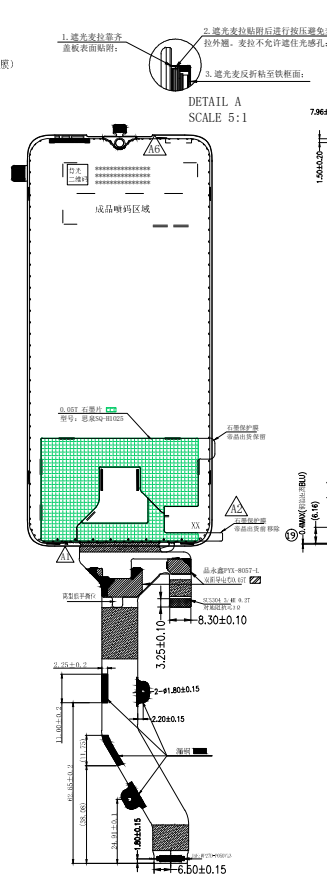
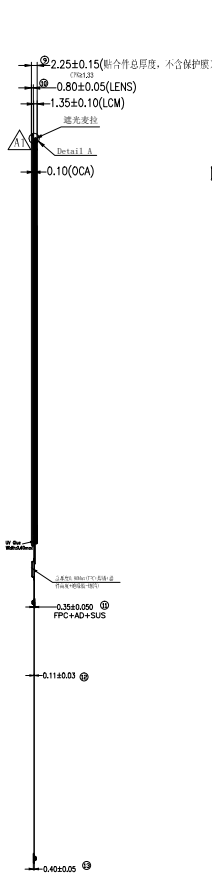
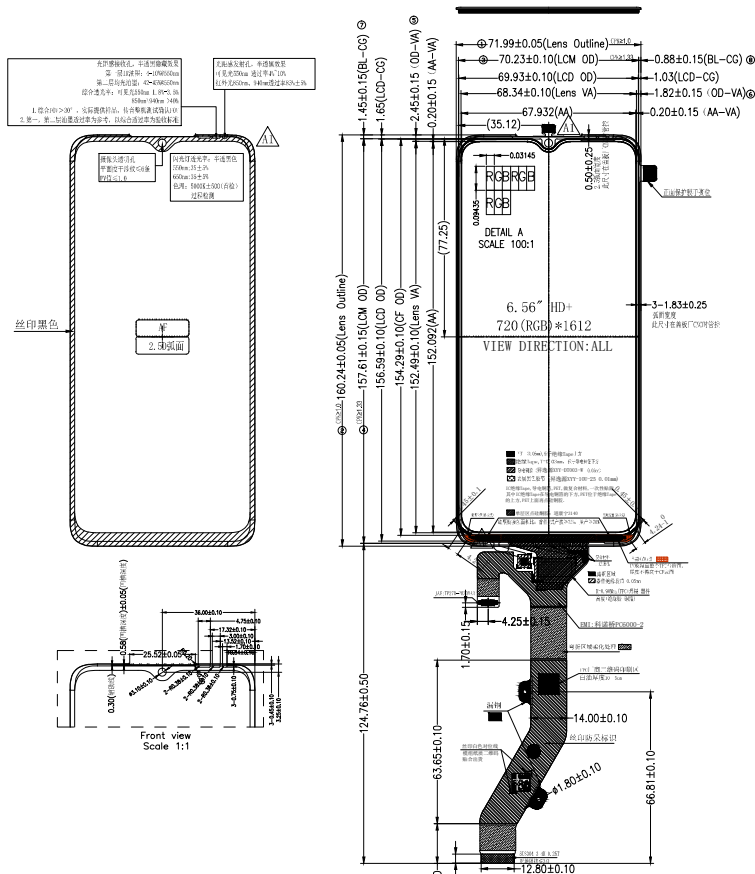
丝印效果图

主视图

侧视图

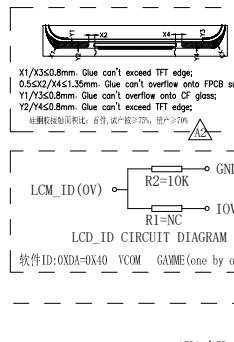
背视图

FPC弯折出货图



| 54 PIN |         |    |                 |
|--------|---------|----|-----------------|
| 1      | DP3     | 28 | USB_DP          |
| 2      | DN3     | 29 | USB_DM          |
| 3      | GND     | 30 | OTG_DIG         |
| 4      | DOP     | 31 | FM-NAT          |
| 5      | DON     | 32 | FMNA-EN         |
| 6      | GND     | 33 | MICPO           |
| 7      | CLKP    | 34 | MICBIA50        |
| 8      | CLKN    | 35 | GND             |
| 9      | GND     | 36 | MOSI            |
| 10     | DIP     | 37 | CLK             |
| 11     | DIN     | 38 | TP_RESET        |
| 12     | GND     | 39 | CABC            |
| 13     | D2P     | 40 | TP_INT          |
| 14     | D2N     | 41 | TE              |
| 15     | LEDK    | 42 | RESET           |
| 16     | VCC28   | 43 | MISO            |
| 17     | BP10    | 44 | LCD-IOVCC(1.8V) |
| 18     | BP11    | 45 | LCD_ID          |
| 19     | HP-EINT | 46 | LCD-AVEE        |
| 20     | XMP3-L  | 47 | CS(串1K电阻)       |
| 21     | XMP3-R  | 48 | LCD-AVDD        |
| 22     | XMIC    | 49 | NC              |
| 23     | AVSS28  | 50 | LEDA            |
| 24     | PA-EN   | 51 | GND             |
| 25     | VBAT1   | 52 | GND             |
| 26     | VIBR    | 53 | VBUS            |
| 27     | VBAT2   | 54 | VBUS            |

| 34 PIN |          |    |          |
|--------|----------|----|----------|
| 1      | VIBR PMU | 18 | VCC28    |
| 2      | GND      | 19 | BP10     |
| 3      | VBAT1    | 20 | GND      |
| 4      | PA-EN    | 21 | MICBIA50 |
| 5      | AVSS28   | 22 | MICPO    |
| 6      | XMIC     | 23 | FMNA-EN  |
| 7      | XMP3-R   | 24 | FM-NAT   |
| 8      | XMP3-L   | 25 | OTG_DIG  |
| 9      | HP-EINT  | 26 | USB_DM   |
| 10     | NC       | 27 | USB_DP   |
| 11     | GND      | 28 | VBAT2    |
| 12     | BP11     | 29 | GND      |
| 13     | GND      | 30 | GND      |
| 14     | GND      | 31 | VBUS     |
| 15     | GND      | 32 | VBUS     |
| 16     | GND      | 33 | GND      |
| 17     | GND      | 34 | GND      |



- Display Type: 6.56", a-Si TFT LCD, 16.7M Colors, Incell, With CG
- Display Mode: Negative Mode Normal Black
- Viewing Direction: ALL Direction 使用视角方向: 6 O'CLOCK
- LCD: BOE BV066G3Q-L13 Drevor IC: NT36528
- OTP Need: Vcom Register OTP/OTP gamma: gamma: 2.2±0.2 (量产); 2.2±0.3 (量产)  
Flicker ≤30dB, Crosstalk≤3%; CONTRAST RATIO: 1500(TYP) 1000(MIN)
- DC Characteristics: AVDD: +6.0V AVEE: -6.0V VDDIO: 1.8V
- Back Light: 18 LED, 44 mA(TYP), 2.7~2.9/L/ED(全球专利)
- Optical SPEC:  
Chromaticity Coordinate: x=0.295±0.03, y=0.305±0.03 量产, (试产±0.02)  
Brightness (central point): 430 cd/m2(Min) 480 cd/m2(Typ)with CG  
NTSC: 68% MIN 72% TYP;  
Uniformity: 80%(Min) 85%(Typ)
- CG SPEC: 熊猫M228 强化玻璃 0.80mm, AF, 2.5D  
跌落要求: 130g, 20cm自由跌落可视为中心及四角1次无破碎, 能量0.26J (距VA边10mm处)  
强化要求: CS≥700mpa, DOL≥40um, 4PB≥600mpa; CT≤65MPa
- FPC Connector Type: JAE: WP27D-P050VA3, TP27D-P030VA3
- Light Guide: V-CUT
- LCD warp is ≤ 0.3MM(CG面朝下): ②
- 保护膜膜电压≤500V
- MIP1差分阻抗要求100±10欧姆, USB差分阻抗: 90±10欧姆, PIN31-FM-NAT阻抗: 50±10欧姆
- Operating Temp: -20°C To 70°C C Storage Temp: -30°C To 80°C C
- 符合传言《不使用禁用物质协议》
- ①~⑨为客户1QC管控尺寸, ⑩~⑪为客户1QC管控尺寸  
The Reference Dimension: ( ), Undeclared Tolerance: ±0.2mm
- CG材料: 熊猫M228 0.80mm
- 强化参数: CS≥700 Mpa DOL≥40 um CT≤65 Mpa
- 表面硬度: ≥8H (750g)
- 材料参数: 透过率≥91% Haze≤1% 光轴系数: 27.2um/cm<sup>2</sup>折射率: 1.515
- 小珠冲击: 130g, 20cm自由跌落可视为中心及四角1次无破碎, 能量为0.26J (距VA边10mm处)
- 圆轴弯曲: X轴4PB≥600Mpa (上跨距20mm下跨距10mm, 四杆直径6mm, 下压速度10mm/min)
- 油墨要求: 油墨区域高温高湿 (60°C, 95%RH, 240H) & 水煮要求 (100°C, 30min) 后主油墨油墨≥4B
- 0D值: 0D值≥5.0
- 油墨阻值: 每层油墨任意距离1000两点间的阻值>1000兆欧姆 (+12KV ESD测试之后) 油墨总厚度≤15um
- 达因值: CG背面VA区及量底油墨表面达因值≥34 (酒精擦拭5s-4收缩);
- CG加工工艺: 钢化后上扫下磨(研磨需用白磨皮)
- 平整度: ≤0.30mm
- 摄像头干涉条纹: ≤6条, PV值≤1
- 操作储存温度: 操作: -30°C~70°C, 10%~90%RH; 储存: -40°C~80°C, 40%~65%RH
- 标注说明: CPK标注尺寸要求管控: CPK≥1.0, 参考尺寸: ( ), 未注公差尺寸: ±0.2, 1QC检验尺寸: 球标准号
- 环保要求: 符合客户《不使用禁用物质协议》
- Ink thickness 15um mix, ink area can't fall off after finishing high temperature and humidity
- Adhesion test: ≥4B; Scratch Hardness≥1H(750g), 判定标准为油墨不脱落;
- IR反射率出货全检
- 水煮前后功能透过率满足规格
- CG环境光透过率需满足在终端标准件的测试范围内 (上下限标准件由终端提供)
- 特殊要求: 表面AF处理, 初始水滴角度≥110°, 使用00000号钢丝绒摩擦后2000次后水滴角度≥100°  
压力 1kg, 压力面积=10mm<sup>2</sup>10mm, 移动距离约 25mm, 测试速度 60cycles/min, 测试2000cycles(来回1cycle);

| Customer approve |                | DYN 帝晶光电 SHEN ZHEN DJN PHOTOELECTRIC TECHNOLOGY CO.,LTD |         |          |  |
|------------------|----------------|---------------------------------------------------------|---------|----------|--|
| Model No         | 9A-3R065-1317B | Part No                                                 | SZA4809 |          |  |
| Drawing Title    | Notch成品        | Drawn                                                   | 方兵      | A7       |  |
| Drawing No       | D-RD-112-22    | Checked                                                 | 周家乾     | Unit MM  |  |
| Scale 1:1        | 第三视角           | Approve                                                 | 张丁荣     | Page 1/1 |  |