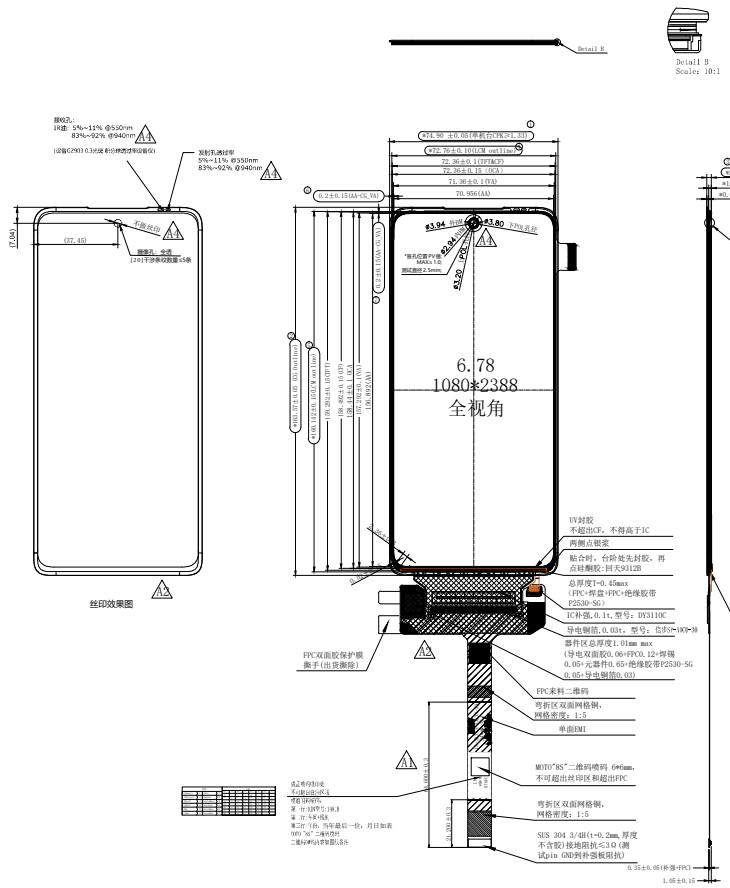
符合客户环保要求	符合《MSP-L-008-001 有毒有害物质管控标准》	无卤	REACH	RoHS

保密等级(秘密)

NO.		CONTENT	DATE
A	A1	铜箔更新,CG取消安全码	20240722
M	A2	CG油墨型号更新，增加IC"保护泡棉胶和BLU孔"CG距离管控	20240813
E	A3	CG升版按要求取消CG摄像孔黑色圆环油墨丝印，技术要求补充，CG Sensor孔透过率规格更新为：83%~92% @940nm	20240911
N	A4	增加IR孔处麦拉贴附标准以及漏光标准	20250310
D			

PIN	SYMBOL
1	GND1
2	SCLK
3	MOSI
4	MISO
5	CS
6	GND2
7	TP_RESET
8	NC1
9	GPIO
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



NOTES:
1. Display Type: LTPS TFT,16.7M Color,Transmissive,
BG BS068MVQ-L10-DQ00/01/02/03/6Q00/01/02/03;
2. Backlight: 24-chips LED, 3 Strings of 8,20mA/LED;
3. Operating temp.: -20° C ~ +60° C;
4. Storage temp.: -30° C ~ +70° C;
5. VIEWING DIRECTION: ALL;
6. Connector: MOLEX-5052744012 ;
7. General Tolerance: ±0.2 ;
8. Driver IC: FT8725 COF.
9. Warpage: ≤0.3mm
10. Luminance: 800typ/670min
11.5. White (u', v'); u'=0.1943, v'=0.4604 (CIE 1976);
Suv = max 0.13, huv = 0~360
Suv = max 0.2, huv = 225 ±45
x:0.302±0.02; y:0.318±0.02; ;NTSC: 83MIN75MIN;
12. Requirements on environment protection: Q/SONGZ (Halogen free;
13. Recommended Case Open Area should be less than Module V.A;
14. Reference dimension: ( );
15. Check Code ①"⑦
16. LCM Uniformity@800points:72Min/82%typ
17. CG表观油墨表面达网格；酒精擦拭前达网格≥32A(Arcotest达网格≥32A)，5秒内不收缩)判定OK；
若酒精擦拭后有收缩，且收缩超过20%(即收≥33%)判定NG;
若酒精擦拭后有收缩，且收缩不超过20%（33%），需复判;
复判方式：用酒精擦拭后要求大于360(Arcotest达网格，5秒内收缩不超过20%)
18. TW国标要求20AGC，IC脱家客户指定CAGC代码;
Gamma: G0"G16, G240"G255 2.2±0.3;
G16"G240 2.2±0.2;
MTP因配脚表要求90±9Ω;USB_DP与USB_DM阻抗:90±9Ω;

FOG料号：83-46840-1491B

1. Lens材料:康宁GOS 厚度0.65m;
2. Lens平严度:≤;
Test software: DOK QC软件
(色度测量: CS: 600*800Dpi, DMA: 6"10min, CSK: 60"139dpi, DOC: 126"135um, CT: 44"87dpi;
EOS:2*500Dpi/DF/DO:90um (不贴底膜:70um,贴膜:70um/min);
正视度>60/100p; 色评差数: ≤6.1, 标准件: 1.1t, 最大色差数:6;
曲面不良检测:1.1.弧面检测方式:M/DW-2型号1/海宝五区(适用曲面必要);
3.四向视觉检测材料:1.1.Upscout 检测度:≥31 (Upscout 检测度: 5秒内不收缩)测试OK;
若测试结果不合格，且收缩不超过20%（即≥31）复判(酒精擦拭≥360 复判(Upscout 检测度: 5秒内不收缩)；
若测试结果不合格，且收缩超过20%（即收≤31）则判定NG(酒精擦拭≥360 复判(Upscout 检测度: 5秒内不收缩)；
4.表面平整度检测:表面平整度≤0.2mm，若出现超过20%（即收≤31）则判定NG(表面平整度检测:表面平整度≤0.2mm，若出现超过20%（即收≤31）则判定NG(表面平整度检测:
5.Warpage:≤0.5mm
6.NVH要求:≤20%(ISO-m), 温度(Zero)≤±3k ;
7.Lens材料:康宁GOS 厚度0.65m;
8.表面粗糙度:
黑区(1).CL04-AR-0041 粗糙度(2).CL04-AR-0041A 反射率(3).GAS 2011-1084G, 反射率(4).GAS 2011-1084C
9.油墨检查方式:
10.表面水洗测试:表面粗糙≤1Tc, 时间: 30min, 水温室内温, 无脱落脱色现象; 供应商负责出具实验方法证明, 抽样≥3Pc
(注: 以上必须提供检测证明报告, 否
11.Lens 厚度公差:
12.表面硬度:
13.表面抗刮:
14.表面抗冲击:
15.表面抗化学:
16.表面抗紫外线:
17.表面抗静电:
18.表面抗污:
19.表面抗指纹:
20.表面抗反光:
21.表面抗眩光:
22.表面抗蓝光:
23.表面抗高温:
24.表面抗低温:
25.表面抗湿度:
26.表面抗盐雾:
27.表面抗腐蚀:
28.表面抗霉菌:
29.表面抗老化:
30.表面抗黄变:
31.表面抗变色:
32.表面抗褪色:
33.表面抗脱色:
34.表面抗脱落:
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37.表面抗变质:
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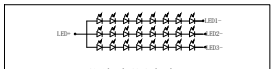


60mA(TYP) 23.2V(TYP)
BLU LED Circuit:8S-3P 20mA/LED

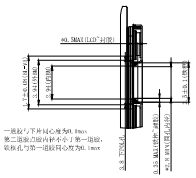
软件确认部分:

1.软件ID:REG A1h: 0x0D,0x02,0x25,0x92
REG D4H: 0x10
REG D8H: 0x68
REG DCH: 0x01/0x02/0x03…(EVT/DVT1/DVT2/PVT最新)

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

Detail A



Customer approve	DJN 帝晶光电 DJN OPTRONICS TECHNOLOGY CO., LTD.			
	Model No	9B-3R068-1491B	Part No	SZA6143
	Drawing Title	COF成品	Drawn	王琬琳
	Drawing No	D-RD-031-24	Checked	周家乾
	Scale 1:1	第三视角	Approve	丁高

A5 | Unit MM | Page 1/1