

- Notes (TLCM):
- Display Type: 6.88"HD+ TDDI (Cell T=0.3mm, 720x1640);
 - LCD: 深超/PH0691A-01A, LCD Driver IC: 敦泰/FT8057P;
 - White (X,Y): x=0.30±0.02, y=0.315±0.02 (点亮5分钟测);
TLCM Center Luminance(cd/m²): Min. 385nit Typ. 450nit (点亮5分钟测);
Contrast ratio: Min. 1000:1 Typ. 1500:1;
Lum. Uniformity: Min. 80% Typ. 85% (13 points);
NTSC: 67%min 70%typ;
Flicker: <30dB;
Crosstalk: <2%;
Gamma: 1~7灰阶不管控, 2.2±0.1 (Gray level 20~230);
2.2±0.35 (Gray level 8~19 & Gray level 231~247);
248灰阶以上不管控, 不能出现亮度反转
 - Backlight: 6S3P, 18 Chip-White LED, 21lmW/LED, 电压2.7~3.0V;
 - Viewing Direction L/R/U/D: 80/80/80/80° θ CR>100;
 - General Tolerance: ±0.20;
 - Unless Otherwise Specified Tolerance of Radius: ±0.3;
 - AVDD/AVEE ±6V
 - Connector type: WP31MK-PL60VA5/OK-R212208RM030-2-35;
 - MIP1差分阻抗 90Ω±10% Ω, USB DP/DN阻抗管控90Ω±10% Ω
 - FPC上的EMI屏蔽边缘线是非绝缘体, 机壳上的元器件要注意避开 (不能接触到)。
FPC EMI和GND接地阻抗要求: 5Ω (MAX)
BIB补强板采用铜片接地, 阻抗<2Ω;
FPC铜片外强到背板BIB阻抗<10Ω;
 - CG背面油墨表面能同时满足酒精擦拭后≥32A, 酒精擦拭后≥36A
(Arcotest 达因笔, 两个标准均为5秒内收缩不超过20%)
 - * CRITICAL DIMENSION:
CG外形长宽厚: 单机台CPK≥1.33; , 多机台CPK≥1.0
 - Flatness LCD bottom side ≤0.3mm;
 - CONFORMITY WITH ROHS & HALOGEN FREE REQUIREMENT;
 - OPERATING TEMPERATURE: -20° C TO 70° C;
STORAGE TEMPERATURE: -30° C TO 80° C;
 - Requirements on environment protection: HS2.0 (RoHS2.0, HfP) 标准;
满足RoHS2.0卤素REACH镉释放国标VOC标准, 同时满足最新版《龙旗有毒有害物质限制清单》;
 - 保护眼睛防静电处理, 表面电阻: 1x10⁹~1x10¹¹; 剥离电压≤500V。

FQC料号: 83-46860-1496B

侧视图

背视图

FPC展开示意图

FPC弯折出货
(盖板面朝下放置出货)

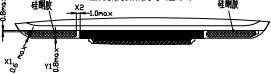
PIN 定义 (60pin)

pin	61/62/63	GND
1	LED WLED1	60 DO F
2	NC	59 DO N
3	LED WLED2	58 GND
4	LED WLED3	57 DT F
5	LED WLED4	56 DT N
6	LED TP	55 GND
7	LED RST	54 CLK F
8	LED CABA	53 CLK N
9	FACTOR FLAG	52 GND
10	TP INT	51 DT F
11	TP SPT CLK	50 DT N
12	TP SPT WSD	49 GND
13	TP SPT WSD1	48 DT F
14	TP SPT CS	47 DT N
15	TP RST	46 GND
16	VIOIR(1.8V)	45 USB THERM NTC
17	AVDD	44 VBUS WMS CTRL
18	AVEE	43 TUNER RPT SET1
19	VIRE PWM	42 TUNER RPT SET0
20	OC1	41 TUNER RPT SET2
21	USB THERM NTC	40 ANT CHECK
22	MICRNAS	39 VIO18
23	MIC L	38 VFE28
24	MIC N	37 CL2
25	GND	36 GND
26	SAR SENSOR	35 USB DM
27	NC/CA/SENSOR	34 USB DP
28	GND	33 GND
29	SPK N	32 SPK P
30	SPK N	31 SPK P
31	64/65/66	VBUS

PIN 定义 (30pin)

Pin	31/32/33	VBUS
1	SPK N	30 SPK P
2	SPK N	29 SPK P
3	GND	28 GND
4	NC/CA/SENSOR	27 USB DP
5	SAR SENSOR	26 USB DM
6	GND	25 GND
7	MIC N	24 CC2
8	MIC P	23 VFE28
9	MICLNAS	22 VIO18
10	GND	21 GND
11	USB THERM NTC2	20 ANT CHECK
12	CC1	19 TUNER RPT_SEL2
13	VIBR PMU	18 TUNER RPT_SEL0
14	USB THERM NTC	17 TUNER RPT_SEL1
15	VBUS WMS CTRL	16 GND
Pin	34/35/36	GND

硅胶胶点胶示意图



位置	标准
X1	Max 0.6mm, 4.5mm
X2	Max 1.0mm, 4.5mm
Y1	0.4±0.4mm, Max 0.8mm, 4.5mm
Y2	0.4±0.4mm, Max 0.8mm, 4.5mm

硅胶胶点胶面积比≥70%

LED CIRCUIT DIAGRAM:



像素大小图

Detail A
(Scale 200X)

Customer approve	DJN 帝晶光电 DJN OPTRONICS TECHNOLOGY CO., LTD				
	Model No	9A-3R068-1496B-H	Part No	SZA6193	
	Drawing Title	Notch成品	Drawn	王婉琳	A3
	Drawing No	D-RD-068-24	Checked	周家乾	Unit MM
	Scale 1:1	第三视角 	Approve	卢焯明	Page 1/1