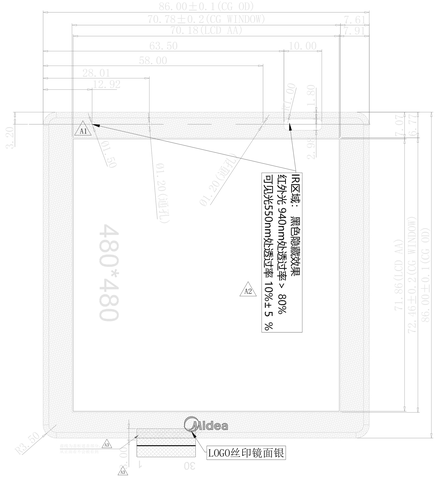
TLCM图纸

RoHS

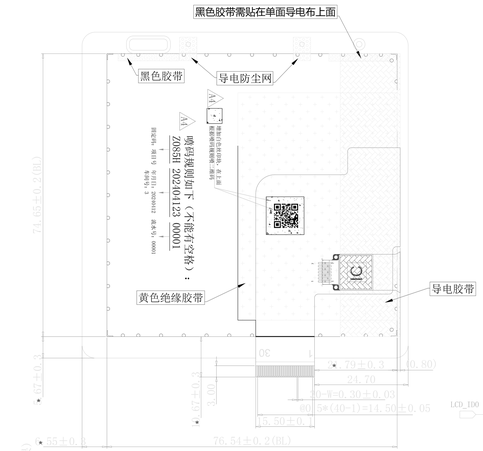
保密等级(秘密)

NO.	CONTENT	DATE
A0	NEW	20230721
A1	绝缘胶外形减小	20230814
A2	IR孔可见光透过率改为10%	20230914
A3	FPC补强板增长3mm	20231214
A4	ID电阻改为0Ω，排线增加二维码	20240510

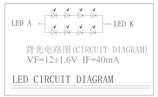
主视图

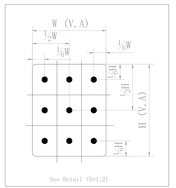


背视图



侧视图





触摸屏定义

No.	Symbol
1	GND
2	TP-INT 3.3V
3	TP-SDA 3.3V
4	TP-SCL
5	TP-RESET
6	TP-VCI 3.3V
7	GND

PIN	Symbol
1	TP_SDA
2	TP_SCL
3	TP_RESETB
4	TP_INTB
5	TP_VDD3.3V
6	IOVCC
7	GND
8	VCI
9	GND
10	VCI
11	GND
12	LEDK
13	LEDA
14	RST
15	GND
16	D1P
17	D1N
18	GND
19	CLKP
20	CLKN
21	GND
22	D0P
23	D0N
24	GND
25	VCC
26	LCD_ID0
27	GND
28	LCD_ID1
29	LCD_ID2
30	GND

CTP技术参数：
1. 结构：TLCM
Cover LENS:熊猫 1.1mm;
IC型号：CF1133 10点触摸
2. 工作电压：2.8V-3.3V
3. 透光率：≥90%
4. 表面硬度：≥6H
5. 工作环境：-20℃~+70℃
6. 储存环境：-30℃~+80℃

NOTES:
1. DISPLAY TYPE: 3.95", TFT LCD (HSD/HSD040BPN1-A),
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. TLCM(White):
   Brightness(centre point): 300cd/m² (MIN),350cd/m2 (TYP) --with CTP
6. LCM 对比度: 640min/800typ
7. LCM NTSC: Min55%/Typ60%
8. BACK LIGHT: 8 chip white LEDs If=2*20mA,Vf=10.8V~13.2V
9. 未注公差:±0.25mm
10.产品变形，翘曲控制在: 0.45mm Max
11.TLCM盖板油墨达因值：酒精不擦拭≥32;

TOLERANCE TABLE(±)

DIMENSION	MOLD	MOLD	MACHINE	MACHINE
≤ 6	0.05	0.1	0.05	0.1
6 < ≤ 10	0.1	0.2	0.1	0.2
10 < ≤ 20	0.15	0.3	0.2	0.3
20 < ≤ 50	0.2	0.4	0.3	0.4
50 < ≤ 100	0.25	0.5	0.5	0.8

UNSPECIFIED SPECIFIED

Customer approve	DJN 帝晶光电 SHEN ZHEN DJN PHOTOELECTRIC TECHNOLOGY CO.,LTD				
	Model No	9G-12040-Z085H-J	Part No	-	
	Drawing Title	全贴合成品	Drawn	邝浩贤	A4
	Drawing No	D-RD-xxx-xx	Checked	丁宝玲	Unit MM
	Scale 1:1	第三视角	Approve	秦福军	Page 1/1