深圳市星百亿电子有限公司

SHENZHEN STAR BILLIONS OF ELECTRONIC CO.,LTD

样 品 确 认 书

PRODUCT SPECIFICATION FOR INFORMATION

客户型号 Customer Product Number：_____

客户名称 Customer Name：_____

我司型号 Customer Approve：XBY101MIH669-3600KK8

日期 DATE: 2017.06.26

客户确认		
工 程	品 质	批 准
我司审核		
工 程	品 质	批 准

文件制修订记录

版 次 Revision No.	变更日期 Date	变更原因 Reason	变更内容 Content	签名 Sig.
A0	2017.6.26	初版	----------	xj

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1. 产品规格 General specification

1.1 产品结构 Product type

Cover lens [Glass] + ITO Glass+底胶+LCM

结构 Structure	材料 Materials	备注 Remark
第一层 First Layer	Coner Lens (Glass)	厚度:T=0.7 mm Thickness： 0.7mm
第二层 Second Layer	ITO	厚度:T= 0.7 mm Thickness： 0.7 mm
第三层 Thind Layer	LCM	厚度:T= 2.39 mm Thickness： 2.39 mm
出线方式 Tail type	FPC(COB)	镀金 Gold-Plated
底胶 Bottom Tape	双面胶Adhesive Tape	厚度为:T=0.18mm Thickness:0.18mm

1.2 PIN 定义

IC	ILITEK2511
Pin	Assignment
1	VDD
2	D-
3	D+
4	GND

1.3 产品规格 Basic Characteristics

项目 Item	规格 Specification	备注 Remark
外形尺寸 Outline Dimension	228.51*149.05+/-0.1	mm
可视区 View Area	217.46*136.1+/-0.20	mm
FPC length	72+/-0.50	mm
产品厚度 Product Thickness	5.66+/-0.3	mm

2. 特性 Characteristics

2.1使用、保存环境 Operation and storage

项目 Item	值(条件) Value (conditions)	备注 Remark
使用温度范围 Operation temperature & Humidity	-10℃~+60℃ ≤90%RH	除凝雾外
保存温度范围 Storage temperature & Humidity	-20℃~+30℃ ≤90%RH	除凝雾外

2.2 电气特性 Electrical characteristics

项目Item	值 Value					备注 Remark
电压 voltage	symbol	Min	Type	Max	Unit	
	vdd	3.3	3.3	3.3	V	
X～X和Y～Y 之间阻抗 X～X axis and Y～Y axis between resistance	≥20MΩ					

X～Y 之间阻抗 X～Y axis between resistance	≥20MΩ	
IC 型号 IC NO	ILITEK2511	

2.3 机械特性 Mechanical characteristics

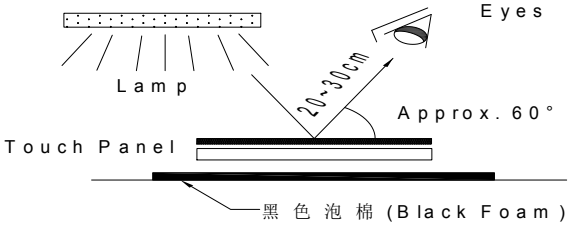
项目 Item	性能 Performance	Remark 备注
输入方法 Input method	用专用导体笔或手指触控 Use of an exclusive pen or finger	
表面硬度 Surface hardness	硬度 6H Pencil hardness: 6H	
落球测试： Ball Drop Test	64g,30cm 中心点冲击一次	

2.4 光学的特性 Optical characteristics

项目 Item	性能 Performance	备注 Remark
Total light transmittance 全光线透过率	≥85%	

3. 外观检查 Appearance Inspection

3.1 检查规则 Inspection Criteria

项目 Item	条件 Conditions	备注 Remark
检查范围 Inspection area	应用区域：可视区　　Application Area; View Area ＊ 所有的外观不良只要是在可视区以外对产品功能不造成影响均不考虑在内 Any defects in invisible shall be ignored unless they affect electrical performance. ＊ 所有可以使用软布用酒精擦拭得掉的污染物均不考虑在内 Contamination that can be cleaned using soft cloth with ethyl alcohol does not apply to these visual criterions.	
检查条件 Inspection Conditions	视力1.0及以上的健康成人(带眼镜亦可),物体与检测者眼睛距离20到30厘米处检测。 The inspection should be conducted by a healthy inspector with a vision of 1.0 or above (eyeglasses acceptable), and at a distance 20 to 30cm between the object and the inspector’s eye. 使用机器：荧光灯30W Inspection device: florescent light 30 W	
检查环境 Inspection Environment		

3.2 检验基准 Inspection standards

产品可视范围外若有裂缝，刮伤，异物等外观不良，不影响产品电气特性的，也可接受。

For areas outside the visible range, it is acceptable if there is no crack, scratch, or foreign objects that can greatly affect the electric performance of this product.

限度样品用于本基准中未尽描述的裂缝，刮伤或者异物等外观不良。

Limit samples shall be used for cracks, scratch, or foreign objects which are not described in this standard.

3.2.1依外观标准检验，低于5%时，客户放宽上线。

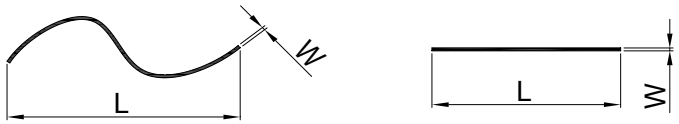
3.3 线状异物（W=宽度、L=长度） Linear foreign object (W=Width, L=Length)

宽度 Width （mm）	长度 Length（mm）	基准 Judge criterion	备注 Remark
W≦0.035	L≦1	忽略不计 Ignored	
0.035＜W≦0.07	L≦3	2个或2个以下(异物间隔大于10mm ） 2 objects or less, with the Failure under distance 10mm	
W＞0.07	或者W＞3	不接受 Reject	

3.4 点状异物(D=长径)Dot-like foreign object (D = longest diameter)

平均直径 Average diameter（mm）	基准 Judge criterion	备注 Remark
D≦0.15	忽略不计 Ignored	
0.15＜D≦0.30	3个或3个以下(异物间隔小于10mm ， 不接受) 3 objects or less, with the Failure under distance 10mm	
D＞0.30	不接受 Reject	

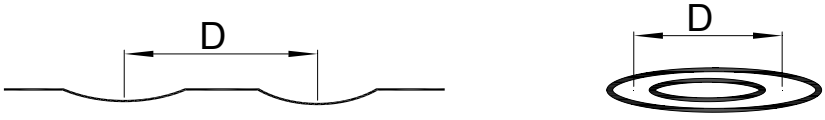
3.5 线状刮伤（W=宽度、L=长度） Linear scratch (W=Width, L=Length)



刮痕

宽度 Width（mm）	长度Length（mm）	基准 Judge criterion	备注 Remark
W≦0.05		忽略不计 Ignored	
0.05＜W≦0.1	L≦7	3个或3个以下(异物间隔小于10mm ， 不接受) 3 objects or less, with the Failure under distance 10mm	
0.07＜W≦0.12	L≦5	2个或2个以下(异物间隔小于10mm ， 不接受) 2 objects or less, with the Failure under distance 10mm	
0.09＜W≦0.15	L≦5	1个 1 objects	
W＞0.15		不接受 Reject	

3.6 鱼眼 气泡 凹痕 Fish eye Air bubble Dent

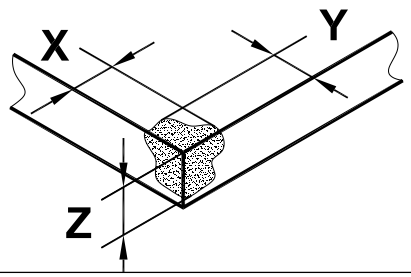
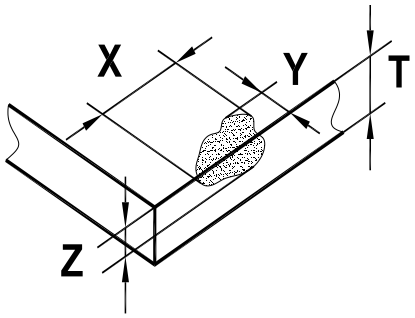
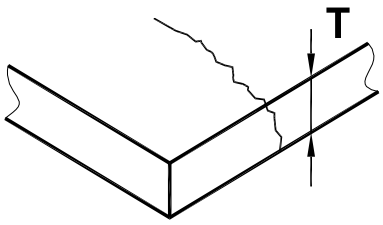


鱼 眼 ， 凹 痕 与 气 泡

平均直径 Average diameter（mm）	基准 Judge criterion	备注 Remark
D≦0.15	不计 Ignored	

0.15＜D≦0.3	最多5个 MAX 5 Pieces	
0.3＜D≦0.4	最多2个 MAX 2 Pieces	
D＞0.4	不接受 Reject	

3.7 玻璃面版啐裂和裂纹（T=玻璃厚度）Chip and Crack of glass lens(T= glass thickness)

项目 Item	尺寸 Size (mm)	长度 Length (mm)		接受个数 Acceptable Qty
角 Corner		X	≤2	0 片：若有任何啐裂或裂纹超过所给的 X，Y，Z 值，则不接受。 0 pce: Judged unacceptable if there is any one chip or crack exceeding the permissive value of X, Y, or Z.
		Y	≤1	
		Z	≤T	
角以外的地方 Other than corner		X	≤3	0 片：若有任何啐裂或裂纹超过所给的 X，Y，Z 值，则不接受。 0 pce: Judged unacceptable if there is any one chip or crack exceeding the permissive value of X,Y,Z. 每边 2 个或更少：它们要小于所给的值。 Two or less for each side: Those less than these values.
		Y	≤1	
		Z	＜T	
渐裂或者裂纹 Progressive Crack or chip		0 片：若有任何渐裂或者裂纹，不接受。 0 Pcs: Judged unacceptable if there is any progressive crack or chip.		

4. 操作注意事项 Operation Instructions

1. 由于电容式触摸屏是由玻璃所制，请勿强力撞击，或高处落下；
1. Do not hit the capacitive touch screen powerfully, or drop it from the heights, as it is made of glass.

2. 拿放电容式触摸屏时，请勿从FPC 拿放；
2. Do not take or release the capacitive touch screen from the FPC.

3.保存时请勿重叠放置或重物叠压；
3. Do not overlap or strain stress at preservation.

4. 请勿将触摸屏FPC 上的具有的零部件与金属等具有导电性的物质直接接触，避免发生短路等其它电性不良；
4. Avoid the parts of the FPC of the capacitive touch screen contacting directly with the Metal, in case short circuits happen.

5. 安装时请勿反复折弯或强力拉扯FPC ，避免造成折伤；
5. Do not bend the Flex often or pull it forcefully when installing or handling, to avoid the FPC damage;

6. 安装时请勿用硬物接触电容式触摸屏背后的油墨，避免造成刮伤；
6. Do not contact the ink behind the capacitive touch screen with a hard object to avoid scratches when installing or handling.

7. 安装时请勿接触可视区；
7. Do not touch the visual area when installing or handling.；

8.操作电容屏式触摸屏时，请采用手指或导电性笔触摸；
8. Please touch with the finger or electric pen during the capacitive touch screen operation.

9. 注意高压和静电。
9. Pay attention to high voltage and static electricity.

10. 成品保护膜是用來保护成品于货物运送至客戶指定地点之过程中，避免成品受到货物运送过程之外在环境影响，因此保护膜外表面是无法保证完全沒有刮伤或脏污，該成品保护膜強烈不建议客戶在客戶端的后续制程中使用。

10. The purpose of product protective film is to prevent the damage for product during the cargo transportation. Therefore the dirty and scratch on the outer surface of protective film is acceptable. We also strongly recommend that product protective film can not be used in customer process. We recommend to remove this product protective film during cosmetic inspection process.

11. 建议客户在使用前撕去成品保护膜，进行必要之清洁工序及外观检查,然后再开始使用该成品进行后续加工组装，千万不要將已撕去之成品保护膜貼回产品上，因為已撕去的保护膜已经被作业员接触到保护膜内面而造成污染，再將此已撕去之成品保护膜貼回产品上一定會造成脏污移转污染。

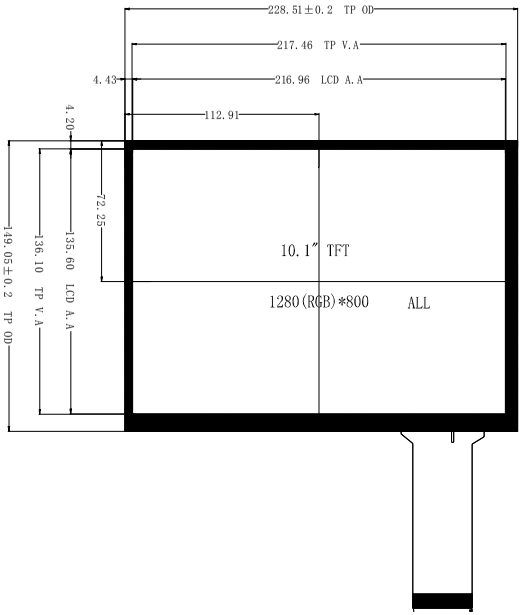
11.Strongly recommend customer to remove the protective film, cleaning and visual inspection before assembly, and then do the following assembly. Don’t use the peeled off protective film again, because the peeled off protective film already has been contaminated by operator glove stain or user fingerprint stain;

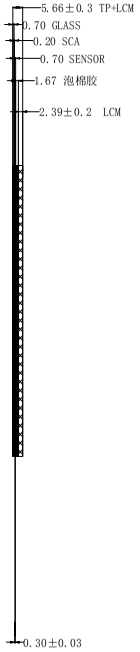
5 附件 Attached file

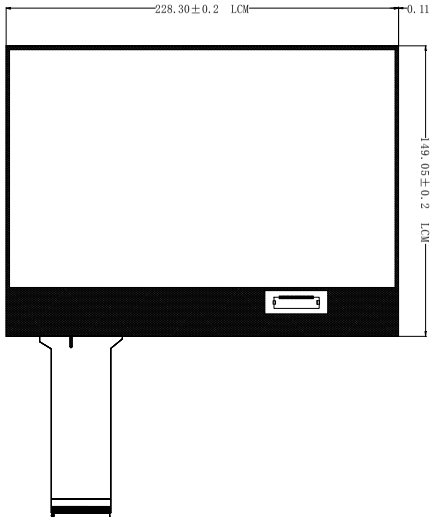
5.1 工程图 Drawing

基本规格:

产品规格	DISPLAY TYPE:	10.1″ TFT
		NORMALLY BLACK
		TRANSMISSIVE
	RESOLUTION:	1280(RGB)*800
	Viewing Angle(U/D/L/R)	ALL
	Homogeneity:	80% typ
	Interface:	LVDS

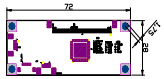






PIN	SYMBOL
1	NC
2	VDD(3.3)
3	VDD(3.3)
4	VDD(3.3)
5	NC
6	NC
7	NC
8	RIN0-
9	RIN0+
10	GND
11	RIN1-
12	RIN1+
13	GND
14	RIN2-
15	RIN2+
16	GND
17	CLK-
18	CLK+
19	GND
20	RIN3-
21	RIN3+
22	NC
23	NC
24	NC
25	GND
26	NC
27	NC
28	GND
29	NC
30	NC
31	LED-GND
32	LED-GND
33	LED-GND
34	NC
35	LED-PWM
36	LED-EN
37	NC
38	VLED
39	(3~18V)
40	

规格参数			
1	产品结构类型	Glass+Glass	
2	COVER LENS钢化类型	化学钢化	
3	COVER LENS表面硬度	>6H	
4	无油墨处透光率	大于或等于86%	
5	工作温度	-20℃~70℃	
6	储存温度	-30℃~80℃	
所有产品物料满足ROHS和无卤素要求			
触控IC型号	奕力2511	通道数	26*14
供电电压	3.3V	IO电压(SCLSDA)	3.3V
SDA,SCL主板端是否有上拉电阻			



USB Interface:

J1(USB port)

PIN	definition
1	VDD/5V
2	D-
3	D+
4	GND

VER.	AMENDMENT	DESIGN	DATE
02			
01	First issue		2019.09.28

DRAWN	
ME. CHECKED	WANG
EE. CHECKED	
APPROVED	

TITLE: MODULE SPEC.

DRAWING NO.

UNIT	mm	SCALE	FIT
3rd Angle		SHEET	1OF 1

版次: A0

s6 包装 Package

1. 单片采用防静电袋子密封包（防静电防潮）

2. 批量出货产品使用珍珠棉盒子+纸箱包装（2片/格　24片/箱）。









