

深圳市运天戈科技有限公司

ShenZhenShi YunTianGe S&T CO .,LTD

PRODUCT SPECIFICATION

Customer (客户名称) : _____

Customer No.(客户编号) : _____

Product No. (产品编号): YTG-P10005-C1F1

深圳市运天戈科技有限公司

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PREPARED (制作)	CHECKED (审核)	APPROVED (批准)

Customer Approval 客户批准	<input type="checkbox"/> Accept 接收 <input type="checkbox"/> Reject 拒绝 Comment 意见: Approved by (确认人)
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1. General Specification 产品规格

Item 项目	CONTENTS 内容	Unit 单位
Outline Dimension 外形尺寸	以确认工程图为准	mm
Active Area(W*L)动作区	218.58*137.0	mm
View Area 可视区	217.56*136.2	mm
TP size (inch) 英寸尺寸	10.1	inch
Interface Type 接口种类	IIC	-
IC Type IC 型号	FT5406	-
Number of touchpoint 触点数量	10	-
Operation Temperature 工作温度	TOPL = -10, TOPH =60	°C
Storage Temperature 储存温度	TSTL = -20, TSTH =70	°C
Sensor thickness ITO 厚度	0.55	mm
Coverlens thickness 钢化玻璃厚度	0.7	mm
Resolution 解析度	>500	dpi
Input force 输入外力	<10	g
Surface hardness 表面硬度	>7	H

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2. Electrical Characteristics (Ta=25°C) 电气参数

Item 项目	Symbol 标识	Condition 条件	Min. 最小值	Type 典型值	Max. 最大值	Unit 单位
Power Supply 电压	VCC	--	2.8	3.3	3.5	V
Supply Current 电流	IDD	Vcc =3.3V Free mode	--	--	--	mA
		Vcc =3.3V watch mode	-	-	--	mA
		Vcc =3.3V Active mode	-	-	--	mA
		Vcc =3.3V Fast mode	-	<30	-	mA

3. Optical Characteristics 光学参数

Item 项目	CONTENTS 内容	Remark 备注
Transparency 透过率	>86%	

4. Reliability 信赖性

Item 项目	Specifications 规格	Remark 备注
High Temperature Storage 高温存储	70°C,240hrs, Normalized for 2 hrs	
Low Temperature Storage 低温存储	-20°C,240hrs, Normalized for 2 hrs	Non-condensing 无结露
Temperature/ Humidity Storage 储存温度/湿度	60°C/90% RH,240hrs, normalized for 2 hrs	Non-condensing 无结露
High Temperature Operation 高温工作	55°C,24hrs, Perform well	
Low Temperature Operation 低温工作	-10 °C,24hrs, Perform well	Non-condensing 无结露
Temperature/ Humidity Storage 储存温度/湿度	60°C/90%RH,24hrs, Normalized for 2 hrs	Non-condensing 无结露
Thermal Shock 冷热冲击	-20 ~ 70°C, 60 Mins/cycle , Total 10 Cycles, Normalized for 2 hrs	

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6.3 Touch panel pin assignment 引脚定义

Pin	Symbol	Description
1	VDD	Power supply.
2	GND	Power ground.
3	SDA	IIC data signal. Must be pulled high
4	SCL	IIC clock signal. Must be pulled high
5	INT	Attention request line, Should be pulled high.
6	RESET	Reset pin for the TP.
7	NC	-
8	NC	-
9	NC	-
10	WAKE	External interrupt from the host

7. Appearance Inspection 外观检验

7.1 Inspection Conditions 检验条件

1. Environment: $22 \pm 3^{\circ}\text{C}$, Inspection distance: $30 \pm 10\text{cm}$.

2. Angle of Vision: $30^{\circ}\sim 90^{\circ}$

3. Lighting illumination: 17W fluorescent luminant lamp is used for appearance inspection.

Detail of settings is shown in figure 13.1 & 13.2 .

4. Minor impurities outside viewing area are acceptable unless their existence affect electrical functions.

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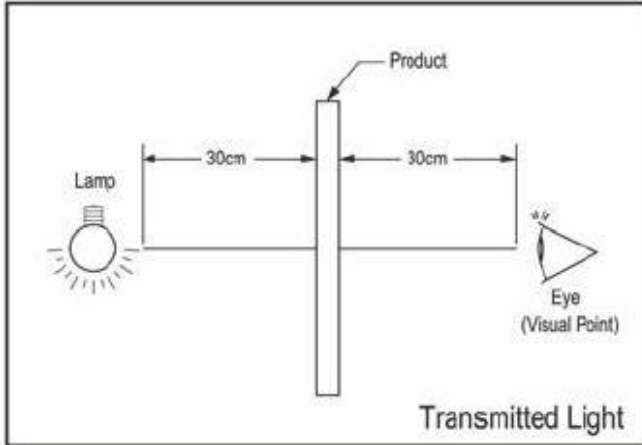


figure 13.1

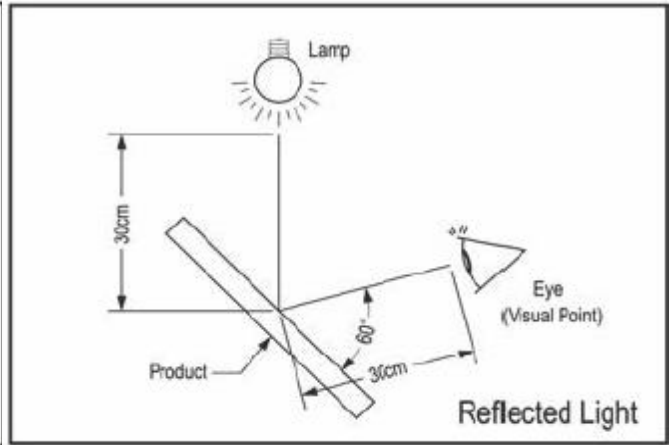


figure 13.2

7.2 Criteria 判定标准

Item 项目	Specification 规格
Particle 灰尘	(1) $D \leq 0.2$ OK (2) $0.2 < D \leq 0.35$ (each area contains ≤ 3 , total ≤ 5) OK (3) $D > 0.4$ NG
Linear Object 线状异物	(1) $W \leq 0.05$ OK (2) $0.05 < W \leq 0.1$ and $L \leq 5.0$, total ≤ 3 OK (3) $W > 0.1$ NG Remark: the particle will be ignored when it is removable by cleaning
Scratch 刮伤	(1) $W \leq 0.025$ OK (2) $0.025 < W \leq 0.05$ and $L \leq 12.0$, total ≤ 5 OK (3) $0.05 < W \leq 0.1$ and $L \leq 6$, total ≤ 5 OK (4) $W > 0.1$ NG
Remark 备注	1. D=Diameter 2. W=Width 3. L=Length

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8. Precautions 注意事项

Storage	Store panel under the temperature and humidity range pre-specified. Direct sunlight exposure or piling should be avoided.
Unpack拆包	Unpack the box with the printed red arrow pointing up.
Handling 使用中	(1) Use clean sacks or glove to prevent fingerprints and/or stains left on the panel. Extra attention and carefulness should be taken while handling the glass edge. (2) Avoid high voltage and/or static charge (3) Holding the panel instead of the tail at all time.
Cleaning 清洁	(1) Use neutral detergent or isopropyl alcohol on a clean soft cloth to clean the panel surface (2) Prevent using any kind of chemical solvent, acidic or alkali solution.
installing 安装	(1) Excessive force or strain to the panel or tail is prohibited. (2) Retain at least 0.3 mm clearance between panel and display module. (3) Gasket or cushion pads around the edge of the panel may segregate waterand/or dust contamination.
Operating 操作	(1) Touch the panel with your finger or stylus only to assure normaloperation. Any sharp edged or hard objects are prohibited. (2) Operate the panel in a steady environment. Abrupt variation on temperature and humidity may cause malfunction of the panel.
Others 其他	(1) Keep the panel surface clean. Prevent any kind of adhesive applied on the surface. (2) Avoid high voltage and/or static charge.

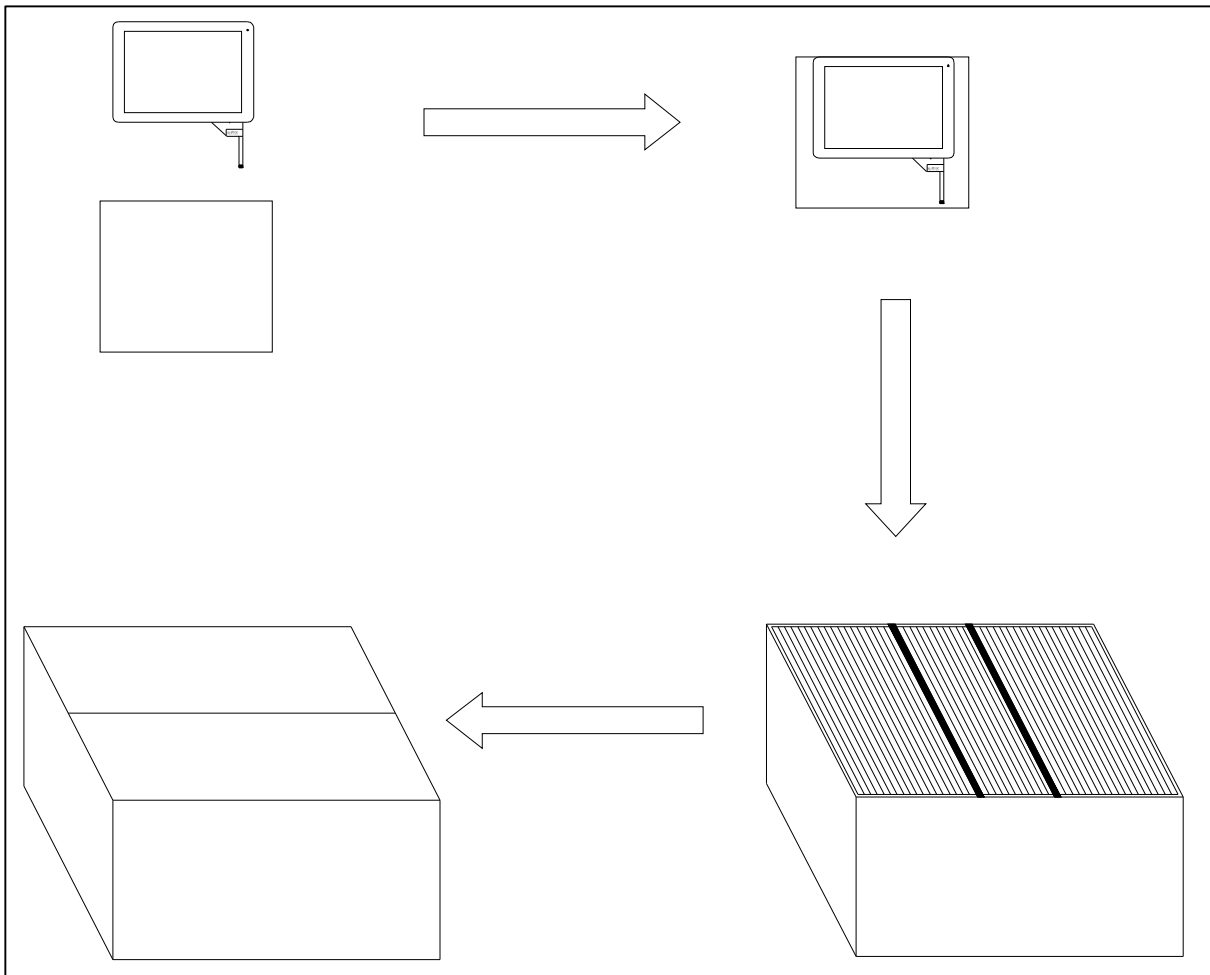
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9. Packing Drawing 包装说明

Packing Material 包装材料	Size 尺寸	Weight 重量
Carton 纸箱	400*315*290mm	TBD
Plastic Bag 气泡袋	290*275*5mm	TBD

包装参考图

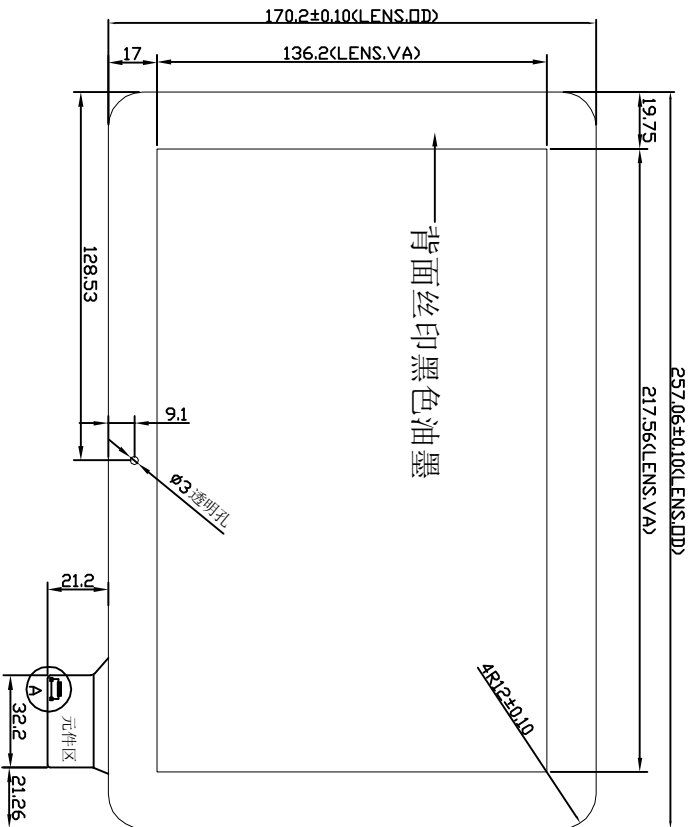


说明：每箱中有两个隔板，每箱装50片

Appendix 附件

REV.	DATE	CHANGE DESCRIPTION
1.0	2016/07/16	First Issue

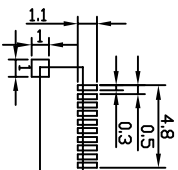
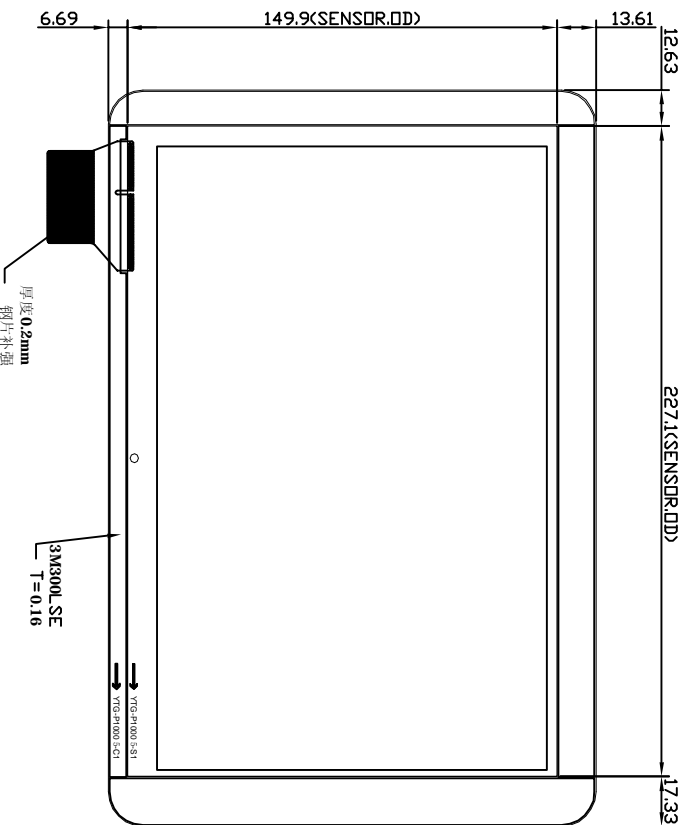
正面视图



侧面视图



背面视图



PIN	定义
1	VDD
2	GNP
3	SDA
4	SCL
5	INT
6	RESET
7	NC
8	NC
9	NC
10	WAKE

请客户确认图纸!
 确认签名:

DRAW No:	YTG-P10005-C1F1	深圳市途天戈科技有限公司
DRAWING BY	YZG Oct16,2012	Shenzhen Yun Tong Technology Co.,
CHECKED BY	LSL Oct16,2012	HN: MM SHEET: 1/1 SCALE: 1:1
APPROVED BY		Unspecified Tolerances: ± 0.2 REV: V1.0

- 备注:
1. COVER LENS的表面硬度 $>7H$,底色油墨区域没透光现象。
 2. 油墨厚度 $8 \sim 12\mu m$,油墨硬度 $\geq 4H$
 3. LENS通过钢球冲击实验: 64克钢球,高度65CM作钢球冲击实验,无破碎。
 4. 产品物料满足ROHS和无卤素要求。
 5. 无油墨处透光率 $\geq 86\%$ 。
 6. CS $\geq 450MPA$, DOL $\geq 8\mu m$ 。
 7. 储存温度: $-40^\circ C$ to $85^\circ C$ 。