



CAPACITIVE TOUCH PANEL SPECIFICATION

电容式触摸屏规格书

CUSTOMER NAME 客户名称:
PRODUCT MODEL 产品型号:CTP070C-1

REVISION 变更记录			
Revision NO. 版本号	Date 日期	Revision 变更内容	Reason 变更原因
1.0	2014.03.19	The first edition 初版	
REMARK/备注			

CUSTOMER APPROVED 客户确认:

常备库存,
Stock for sale,

永不停产,
Never End of Supply,

支持小量,
No MOQ,

品种齐全
In Full Range



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1. General Specification 产品规格

Item 项目	Specification 规格	Remarks 备注
1-1 Product name 产品名称	7.0" Capacitive touch screen	
1-2 Product No. 产品编号	KD-7.0-ILI2113A	
1-3 Drawing No. 图纸编号	KD-7.0-ILI2113A	
1-4 Code No. 样品编号	KD-7.0-ILI2113A	

2 .Basic features 基本特性

Item 项目	Specification 规格	Remarks 备注
2-1-1 Outline Dimension 外形尺寸	L:173.60 W:108.86 H: 1.825	Unit 单位: mm
2-1-2 Viewing Area 可视区	L:154.08 W:85.92	Unit 单位: mm
2-1-3 Active Area 动作区	L:156.68 W:88.22	Unit 单位: mm
2-2. Construction 结构	Materials used 所用材料	
2-2-1 First Layer 第一层	Asahi Glass 旭硝子	Thickness: 0.7mm 厚度: 0.7mm
2-2-2 Second Layer 第二层	3M8146-5	Thickness:0.125mm 厚度: 0.125mm
2-3 Surface Hardness 表面硬度	5H- pressure 500 gf , 45 deg	
2-4 Scope 应用方式	This specification applies for finger input transparent touch panels.(Those mentioned in the	

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	individual specification shall be given priority.) 此规格适用在手指输入型透明触摸屏 (此处以提到的有特殊要求应优先考虑)	
2-5 Application 应用范围	The product is touch panels used as the input devices for general electric appliances and OA equipment. 此产品是透明触摸屏，常作为常用的电子器件和OA 设备的输入装置	

3. Mechanical characteristics 机械特性

Item 项目	Specification 规格	Remarks 备注
3-1 Diagonal of contact area 手指接触面对角线	More than 5mm 大于5mm	
3-2 Package drop 包装跌落测试	No damage to the product.(drop from 50 cm height) 包装从50 cm 高处跌落无损伤	
3-3 FPC bending test FPC 弯折测试	≥3 times bending (by R1 mm), Electrical performance should be OK. FPC弯折3次以上，电气性能OK。	

4. Electric characteristics 电气参数

Item 项目	Specification 规格					Remarks 备注
4-1 Insulation 绝缘性	20M _ or over(Dc 25V)					
4-2 Supply voltage for logic 电压	Symbol	min	type	max	unit	
	vdd	2.8v	2.8V	2.8V	V	
4-3 Supply current for logic 电流	Symbol	min	type	max	unit	
	idd		6		mA	

5. Optics characteristics 光学特性

Item 项目	Specification 规格	Remarks 备注
5-1 Transparency 透光率	>85%	White light test 白光测试

6. Reliability 可靠性

Item 项目	Specification 规格	Remarks 备注
6-1 Operating temperature and humidity	-10~60°C, 20~85% RH	Except for dew gathering

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操作温度和湿度		无结露
6-2 storage temperature and humidity 存储温度和湿度	-20~70℃, 20~85% RH	Except for dew gathering 无结露
6-3 Humidity resistance 高温高湿	The requirement in 6 shall be satisfied after exposing at 60℃, 90% RH for 240 hours and at normal temperature and humidity for 24 hours. 在60℃, 90% RH 条件下存放240 小时, 取出在常温常湿下再存放24 小时后, 满足第4 点所要求的各项电气参数。	Except for dew gathering 无结露
6-4 Heat resistance 高温存储	The requirements in 6 shall be satisfied after exposing at 70℃, for 240 hours and at normal temperature and humidity for 24 hours. 在70℃条件下存放240 小时, 取出在常温常湿下再存放24小时后, 满足第4 点所要求的各项电气参数。	Except for dew gathering 无结露
6-5 Cold resistance 低温存储	The requirements in 6 shall be satisfied after exposing at -20℃, for 240 hours and at normal temperature and humidity for 24 hours 在-20℃条件下存放240 小时, 取出在常温常湿下再存放24小时后, 满足第4 点所要求的各项电气参数。	Except for dew gathering 无结露
6-6 Thermal shock 冷热冲击	The requirements in 6 shall be satisfied after exposing under the conditions of -30℃(0.5hour)→80℃(0.5hour) by 10 cycles ,and at normal temperature and humidity for 24 hours. 按照-20℃(0.5 小时)→70℃(0.5 小时)的条件循环50 次, 取出在常温常湿下再存放24 小时后, 满足第4 点所要求的各项电气参数。	Except for dew gathering 无结露
6-7 Vibration resistance 抗振动	The requirements in “Operation force” of the item 3-1 Mechanical .Characteristics and 6 Electric characteristics shall be satisfied after sweep vibration. of 20 m/s ² , 10 Hz to 55 Hz (1 min) is given for 30 min. each in the directions of X, Y, Z.	

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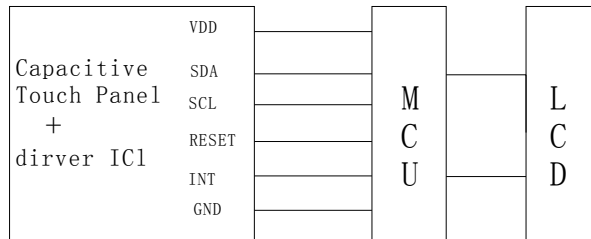


7. Block diagram 原理框图

7-1 IC Pin Configuration IC 脚定义

PIN No.	PIN Name	Description
1	VDD	Supply voltage. VCC: 2.8V
2	SCL	
3	SDA	
4	GND	
5	INT	
6	RESET	Ground Connection

7-2 Block diagram 原理框图



8. DRAWING 图纸

