LCD / LCM SPECIFICATION



WINSTAR Display Co.,Ltd.
華凌光電股份有限公司

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SPECIFICATION

CUSTOMER : _____

MODULE NO.: TST0004R3H4111XXXX12

APPROVED BY:	
(FOR CUSTOMER USE ONLY)	PCB VERSION: DATA:

SALES BY	APPROVED BY	CHECKED BY	PREPARED BY

VERSION	DATE	REVISED PAGE NO.	SUMMARY
0	2022/11/25		

1.General Specification

1.1. Product mix：（L= length；W= width；T= thickness）

structure	The name of the material	instructions
surface	Reinforced glass	T=0.7mm
Sensor Film	SCA	T=0.2mm
	ITO glass	T=0.7mm
Ribbon cable	FPC	PI+FPC=0.3±0.03mm

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1.2.Size of product：（L= length；W= width；T= thickness）

Project	Size	Unit
TP size	4.3 inch	Inch
TP OD dimensions	104.80(L)×66.50(W)×1.7(T)	mm
TP VA	96.24(L)×54.66(W)	mm
Sensor OD	104.20(L)×64.53(W)×0.70(T)	mm

2. Product features

2.1Environmental conditions

Project	Value
Operating temperature and humidity	-20℃～70℃，20～90%RH （No condensation）
Storage temperature and humidity	-30℃～80℃，90%RH less than（No condensation）

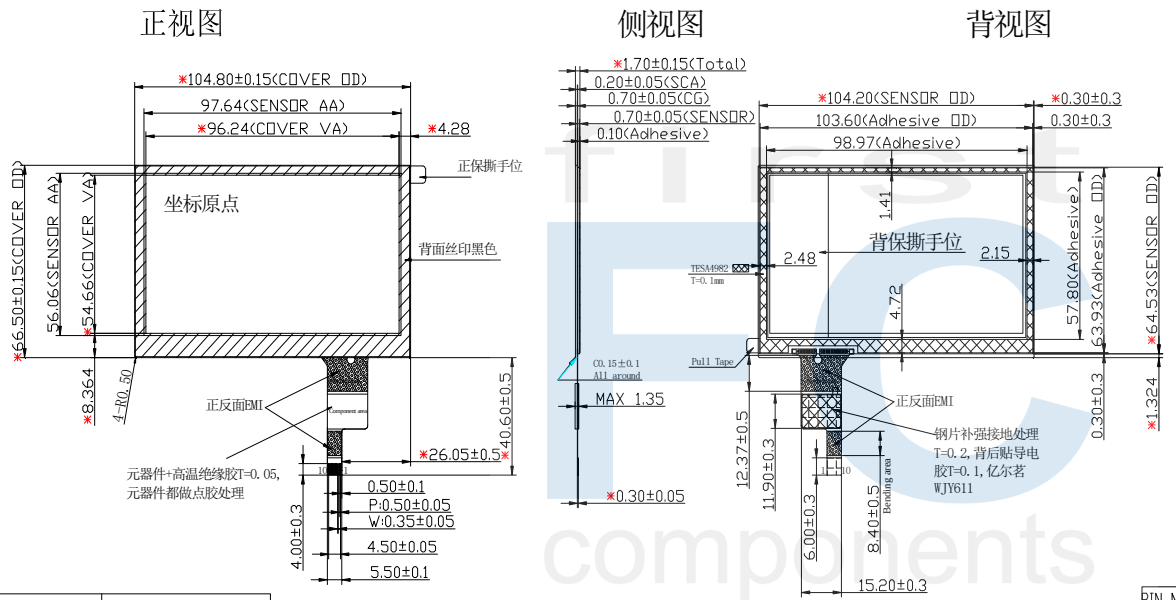
2.2Electrical properties

Project	Value
The operating voltage	DC 3.3V
interface	IIC

2.3Mechanical behavior

Project	Value
transmittance	≥85％
surface hardness	≥7H
multi-touch	5 point
testing software	TTK2
Firmware program	HSD-0434862G-GG-A0_FW05310330_V01_20220825
Test file	HSD-0434862G-GG-A0_FW05310330_V01_20220825_20220825
software release	0X01
resolution ratio	480*272
port number	TX15*RX9
angularity	≦Length*0.2%
Test stripping	90°，pulling force≧ 500gf/cm
Tension test	Speed 50mm/min，pulling force≧ 500gf/cm

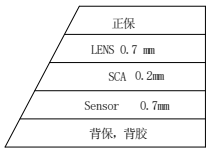
3.Contour Drawing



1	Type	TS
2	Strcuture	G+G
3	Surface	Glare
4	CTP Driver IC	ST1624,TX15*RX9
5	CTP Resolution	480*272
6	Interface	I2C
7	Multi Touch	5
8	Surface Hardness	≡7H
9	Transmittance	85% min
10	Operating Temperature	-20℃~70℃
11	Storage Temperature	-30℃~80℃

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The non-specified tolerance of dimension is ⓘ0.2 mm .

TP堆叠结构



PIN NO	SYMBOL
1	VSS
2	VDDT
3	SCL
4	NC
5	SDA
6	NC
7	RST
8	NC
9	INT
10	VSS