

WINSTAR Display Co.,Ltd.
華凌光電股份有限公司

Represented by:

first FC components

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SPECIFICATION

CUSTOMER : _____

MODULE NO.: TST0007R0A1241XXXX08

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

SALES BY	APPROVED BY	CHECKED BY	PREPARED BY

VERSION	DATE	REVISED PAGE NO.	SUMMARY
0	2024/12/16		First issue

General Specification

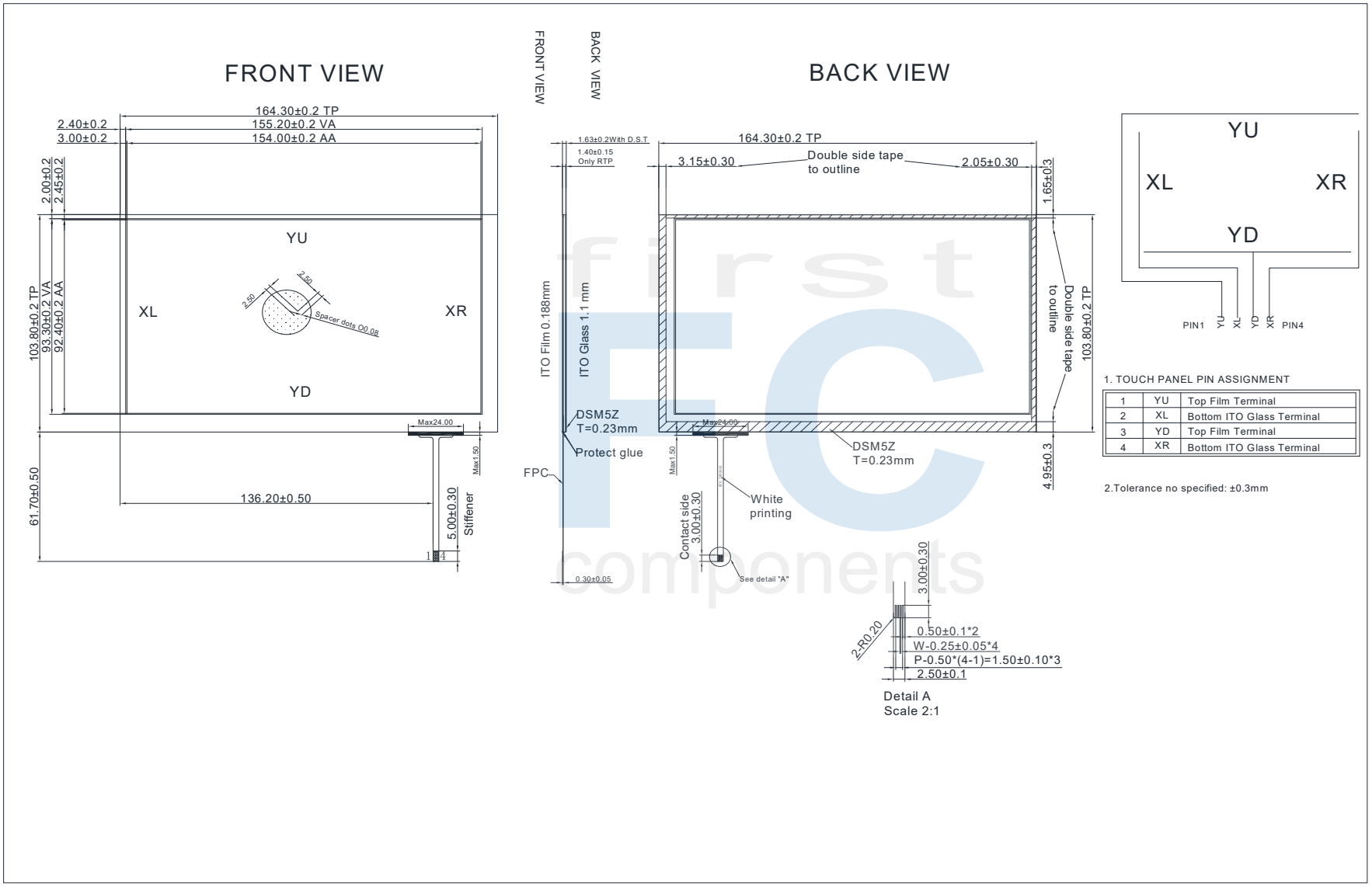
Item	Description	Unit
Outline dimension	164.30×103.80	mm
View area	155.20x93.30	mm
active area	154.00x92.40	mm
Total thickness	1.63	mm
Length of FPC	61.70	mm
Thickness of FPC terminal	0.30	mm

Electrical Characteristics

Item	Specification
Loop resistance	X: 200～1200Ω
	Y: 100～800Ω
Insulation resistance	>20MΩ (DC 25V)
Chattering time	≤10ms
Supply voltage	DC 5V Max

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Contour Drawing



1. TOUCH PANEL PIN ASSIGNMENT

1	YU	Top Film Terminal
2	XL	Bottom ITO Glass Terminal
3	YD	Top Film Terminal
4	XR	Bottom ITO Glass Terminal

2.Tolerance no specified: ±0.3mm

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Other

Structure and material

Structure	Material	Thickness	Remark
Upper circuits	ITO Film	0.188mm	Anti-Glare
Bottom circuits	ITO Glass	1.1mm	
Back tape	Adhesive	0.23mm	DSM5Z

Environmental characteristics

Item	Specification	
Operating Temp.	-20℃～70℃ (humidity≤90%RH No dew fall)	
Storage Temp.	-30℃～80℃	-30℃≤T≤60℃ humidity 90%RH Under No dew fall
		60℃<T≤80℃ humidity 60%RH Under No dew fall

Mechanical characteristics

Item	Specification	Remark
Activation force	POM Stylus R 0.8mm, 50g~150g	
Surface hardness	≥3H	

Optical characteristics

Item	Specification	Remark
Light transmission	≥78%	

Reliability test

Item	Condition	Criteria
High temperature storage	80℃ for 240H	After the above test, the touch panel is to be exposed at room condition for 24H or more. The loop resistance, linearity, insulation resistance must be within the spec. stated as 2.0
Low temperature storage	-30℃ for 240H	
High temperature &high humidity storage	60℃,90%RH for 240H	
Thermal shock	-30℃（0.5H）～80℃（0.5H），20 cycles	