## 4 Wires Touch Panel Product Specification

WIN INDUSTRY CO., LTD

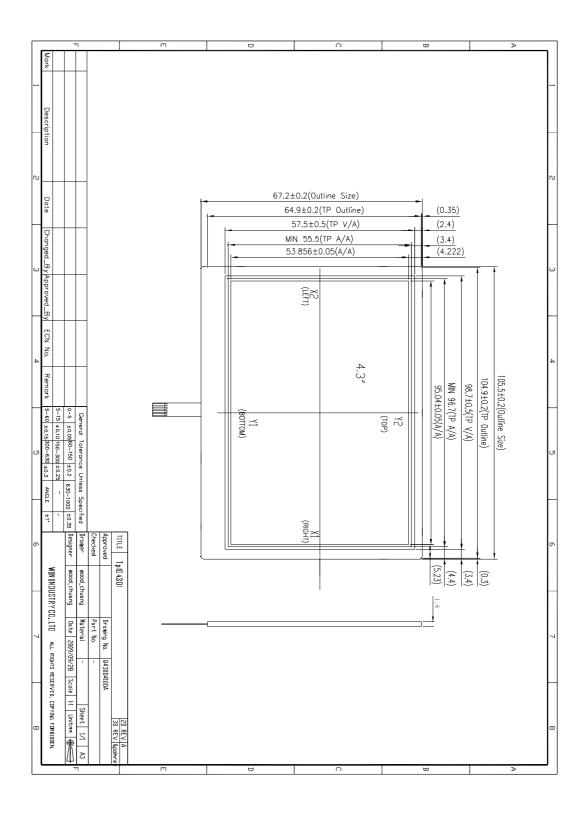
Structure : PET------ Glare hard coating Dot Pitch------3mmx3mm Connector: FPC(4-Pin)

## **General Specifications:**

Item	Specifications	Unit
<b>Dimensional Outline</b>	$105.5 \pm 0.2(L) \times 67.2 \pm 0.2(L)$	mm
Viewing Area	98.7±0.5(L)×57.5±0.5(W)	mm
Active Area	96.7(L)±0.5(l)×55.5±0.5(w)	mm

	Touch P	anel Specification	Issue	e No.	
SET		Index	Pa	ge	1
1.	Index		01		
2.	Apply To Specification		02		
3.	Dimension		03		
4.	Optical Performance		04		
5.	Electrical Performance		04		
6.	TrustTest		• 05 06		
7.	Appearance Inspection	Standard · · · · · · · · · ·	07		
8.	Packing & Others		08		
			APPROVAL	СНЕСК	PREPARE
AMEND N		WIN INDUSTRY CO.LTD	ВҮ	BY	BY
PUBLISH	DATE	]			

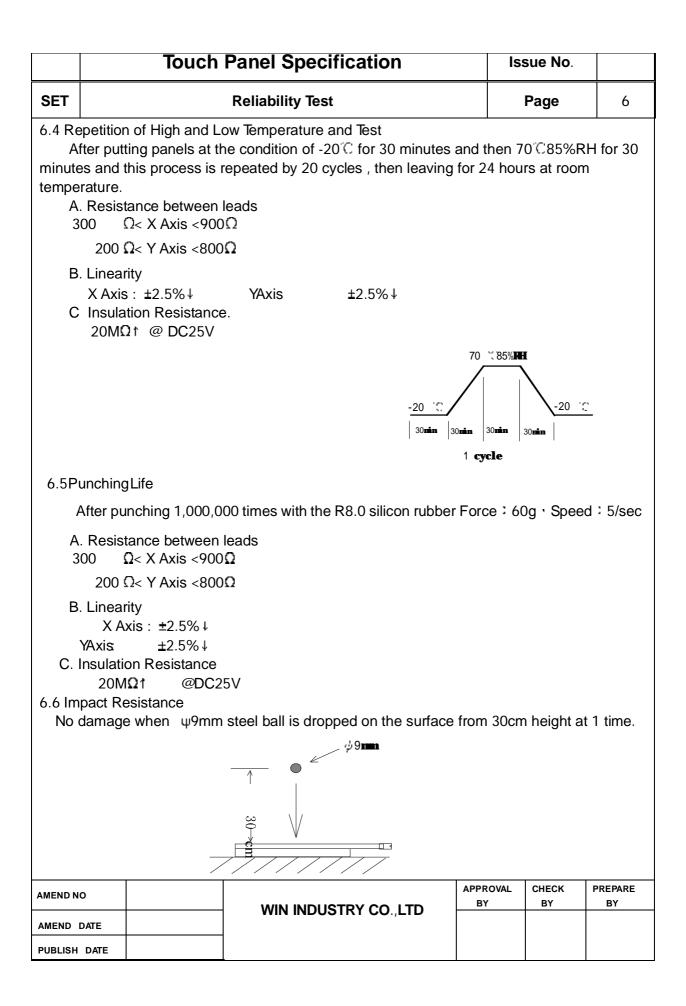
	Touch P	anel Specification	Issue	No.					
SET	Арр	ly To Specification	Pag	ge	2				
Thi	<ol> <li>Suitability         This specification suit analog resistance touch panel. Which used in LCD module.     </li> <li>Apply To Specification</li> </ol>								
2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 2.1 2.1 2.1	2. Apply To Specification 2.1 Surface Hardness: $3H$ 2.2 Optical Clarity: $80 \% 1$ 2.3 Operating Temperature: $-10\% \sim 60\%$ 2.4 Endurance Test strikes: Over 1 million 2.5 Operating Voltage: DC5V 2.6 Resistance: $200 \ \Omega \sim 900\Omega$ 2.7 Linearity: $<2.5\%$ 2.8 Faceplate Surface: Anti-glare coating 2.9 Operation Pressure: $120 \sim 150g$ 2.10 Storage Temperature: $-20\% \sim 70\%$ 2.11 Message Noise: $5 \text{ m sec} \sim 15 \text{ m sec}$ 2.12 Operating Current: $5\text{mA} \sim 25\text{mA}$ 2.13 Isolation Resistance: $20M\Omega 1$ @ DC 25V								
3. Dimension Size Refer diagram I									
AMEND N AMEND I PUBLISH	DATE	WIN INDUSTRY CO., LTD	APPROVAL BY	CHECK BY	PREPARE BY				



PDF 文件使用 "pdfFactory Pro" 试用版本创建 <u>www.fineprint.com.cn</u>

	Touch	Panel Specification	lss	ue No.	
SET		Optical & Electrical	F	Page	4
-	ical Performance Light transparency sl length is 550mm.	hould keep above 80% t under the vi	sible wave	e when t	he wave
5. <b>Ele</b> o	trical Performance				
5.1 (	Connector Resistance $300\Omega < X Axis < 90$				
	200Ω< Y Axis <80	ΩΟΩ			
5.2 I	nsulation Resistance				
2	0MΩ^@ DC 25V				
	electrostatic Endurance abnormal appearance	ce ce after 10kv, 100  Ω, 250PF electrost	atic used.		
5.4 L	inearity X Axis :2.5% ↓ Y Axis:2.5% ↓				
	Operating Voltage V~12VDC				
	Dperating Current 5mA ~ 25mA <sup>,</sup>				
AMEND N	0		APPROVAL BY	CHECK BY	PREPARE BY
AMEND	DATE				
PUBLISH	DATE				

	Touch	Panel Specification	Issue No.	
SET		Reliability Test	Page	5
6.1 H Afte	ironment Test ligh Temperature Test er putting panels at 70 Resistance between $300\Omega$ < X Axis <90 $200\Omega$ < Y Axis <80	ΩΟ	r 24 hours at room te	mperature
	Linearity X Axis : ±2.5%↓ Y Axis : ±2.5%↓ C Insulation Resistar 20MΩ↑ @ DC25V			
Afte tempe			or 24 hours at room	
	200Ω< Y Axis <80 B Linearity. X Axis : ±2.5%↓ Y Axis : ±2.5%↓			
(	C. Insulation Resistan 20M Ω1 @ DC25V			
Af ter	nperature. Resistance between	0 <sup>C</sup> ,90%RH for 240 hours, then	leaving for 24 hours	at room
I	300Ω< X Axis <90 250Ω< Y Axis <80 B. Linearity X Axis : ±2.5%↓			
C	Y Axis : ±2.5%↓ C. Insulation Resistant 20MΩ1 @ DC25V			
	o	WIN INDUSTRY CO., LTD	APPROVAL CHECK BY BY	PREPARE BY
AMEND I	DATE			
PUBLISH	DATE			



		Touch Panel Specification Issue			Issue No.		
SE	г	Appearance Inspection Standard Page				7	7
<ul> <li>7. Appearance</li> <li>7.1 Inspection condition <ul> <li>(A). The lightness of place: 500 LUX</li> <li>(B) The distance of eyeshot: 30 CM(The panel must be checked under the transparency condition.)</li> <li>(C) The angle of eyeshot: &gt;60<sup>°</sup></li> <li>(D) The light source of place : natural sunlight.</li> </ul> </li> </ul>							
7 2	2 Inspectic	n Standard		60 <sup>°</sup>	60°		
	•		ea. Except dot space.				
	1.Spot,		∮≦ 0.15mm	land	rance		
	otherness		0.15mm≦∳≦ 0.25mm 2	.9			
			€.25mm € >0.25mm		IG		
	2. Scratch	w≦	).05mm ≦and L 2.0mm	Ignor	-		
			0.05mm 2.0mm ≺L≦ 4.0mm	2 or less	& distance >		
			W>0.05mm or L > 4.0mm	١	IG		
	3.Cicatrice	es	W <b>≦</b> 0.03mm	Igno	rance		
	(Line)		L≦ 4mm&	2	2		
	L Lengt		0.03mm ≦W≦ 0.05mm		2 line		
	W Width	:		distance	e≦ 10mm		
			W > 0.05mm	1	IG		
	4. Edge w	arp	Edge warp≦ 3mm	allo	wable		
			Edge warp≝ 2mm	allo	wable		
<ul> <li>7.3 Quality inspection standard Adapt to AQL MIL-STD-105D</li> <li>Samples inspection QTY: accord ing to AQL MIL-STD-105D</li> <li>Inspection Base: according to AQL MIL-STD-105D</li> <li>Broken seriously(otherne ss, scrape) 0.1% Cr (Critical Defect)</li> <li>Obvious(otherness, scrape)0.65% Ma(Major Defect)</li> <li>Not obvious(otherness, scrape)2.5% Mi(Minor Defect)</li> </ul>							
AMEN	D NO			APPROV		PREPAR	RE
A				) BY	BY	BY	
AMEN	ID DATE						

	Touch	Panel Specification	Issu	ue No.					
SET	P	Packing & Others	P	age	8				
8.1	<ul> <li>8.Packing Detail</li> <li>8.1 Packing: Cann't have otherness on panel. Pack with EPE material.</li> <li>8.2 Delivery: For Avoiding the badly affect to the product quality, shouldn't delivery in the situation of high humidity and unusually high or low temperature</li> </ul>								
(1	<ul> <li>9.Others</li> <li>(1) If there is any question in specification , the decision depends on conferment between manufacturer and customer.</li> <li>(2) If there is any change in specification , cann't actualize without document permit.</li> <li>(3) The specification content is different from the individual specification one, decision bases on the latter.</li> </ul>								
AMEND N	0		APPROVAL BY	CHECK BY	PREPARE BY				
AMEND PUBLISH		WIN INDUSTRY CO., LTD							