

**TOP-TOUCH ELECTRONICS CO., LTD** 

## Sample Approval

Supplier Name: Top-Touch Electronics Co., Ltd

Supplier Address: <u>Shenyue Industry Zone, Li guang Village, Guan Ian Town, Bao'an District,</u> <u>Shenzhen, China</u>

Part Number: \_\_\_\_\_ TTW4070049---(T8710FG)

Description: <u>4 Wires Resistive Type</u>

Top-Touch Approve:

Engineering	Technology	QA	Sales	Approve	Remark

Customer Approve:

Engineering	QA	Project Management	Other



**TOP-TOUCH ELECTRONICS CO., LTD** 

## 4 Wires Touch Panel Product Specification

Structure : PET------ Glare hard coating & Anti-Newton Ring Glass-----Chemically strengthened ITO glass1.1mm Dot Pitch-----2.5mm×2.5mm Connector: FPC(4-Pin)

## **General Specifications:**

Item	Specifications	Unit
Dimensional Outline	168.40±0.2(L) ×105.40±0.2(W)	mm
Viewing Area	157.00(L)×93.40(W)	mm
Active Area	154.90(L) ×91.90(W)	mm

	Touch F	Panel Specification	Issu	e No.	
SET		Index	Pa	ige	1
1	Index		01		
	Index				
2.	Apply To Specification		02		
3.	Dimension		03		
4.	Optical Performance		04		
5.	Electrical Performance		04		
6.	Trust Test		05 0	6	
7.	Appearance Inspection	Standard · · · · · · · · · ·	07		
8.	Packing & Others		08		
AMEND N	10	TOP-TOUCH	PPROVAL	CHECK	PREPARE
AMEND		ELECTRONICS CO., LTD	BY	BY	BY

PUBLISH DATE

		Touch F	Panel Specification	Issue	e No.	
SE	T	Арр	ly To Specification	Pa	ge	2
2.	Apply 2.1 Su 2.2 Op 2.3 Op 2.4 En 2.5 Op 2.6 Re 2.7 Lin 2.8 Fac 2.9 Op 2.10 Si 2.11 M	oility	bg resistance touch panel. Which used in H ↑ : -10°C ~ 60°C Over 1 million 0C5V 900Ω ti-glare coating ~ 70g - 20°C ~ 70°C m sec ~ 15 m sec		_	
3.	2.13 Is Dime Refer o		20MΩ↑ @ DC 25V			
AME	ND NO		ТОР-ТОИСН	APPROVAL BY	CHECK BY	PREPARE BY
	IND DATE		ELECTRONICS CO., LTD			



	То	uch Panel Specification	Iss	ue No.	
SET		Optical & Electrical	P	age	4
4. Opt	ical Performance Light transparent length is 550mm	cy should keep above 80%↑ under the	visible wave	e when t	he wave
5. Elec	ctrical Performa	nce			
5.1 (	Connector Resista 300Ω< X Axis				
	200Ω< Y Axis	s <800Ω			
5.2	Insulation Resista	ince			
2	20MΩ↑ @ DC 25	ΰV			
5.3	Electrostatic Endu No abnormal app	urance bearance after 10kv, 100Ω, 250PF electro	static used.		
5.4	Linearity X Axis : 1.5% ↓ Y Axis : 1.5% ↓				
5.5	Operating Voltage 3V ~ 12V DC	e			
5.6	Operating Curren 5mA ~ 25mA⊸	t			
	1				1
AMEND N	0	TOP-TOUCH	APPROVAL BY	CHECK BY	PREPARE BY
AMEND	DATE	ELECTRONICS CO., LTD			
PUBLISH	DATE				

		Touch	Panel Specification	ls	sue No.	
SET			Reliability Test		Page	5
6.1   / 6.2	High Te After pu A. Res 300 200 B. Line X A Y A C. Insu 20M Low Ter After p rature. A. Res 300 200 B. Line X Ax	istance betwee $\Omega < X$ Axis <90 $\Omega < Y$ Axis <80 arity xis : ±1.5%↓ ilation Resistan $\Omega \uparrow @ DC25V$ mperature Test utting panels at istance betwee $\Omega < X$ Axis <90 $\Omega < Y$ Axis <80	70 °C for 240 hours, then leaving for 2 n leads $D\Omega$ $D\Omega$ ce -20 °C for 240 hours, then leaving for n leads $D\Omega$			mperature.
	20M Temper After p temper A. Res 300 250 B. Line X A Y A C. Insula	rature. istance betwee Ω< X Axis <90 Ω< Y Axis <80	dity Test 40℃,90%RH for 240 hours, then le n leads 0Ω 0Ω	aving for 2	24 hours a	at room
AMEND N	10		TOP-TOUCH	APPROVAL BY	CHECK BY	PREPARE BY
AMEND	DATE		ELECTRONICS CO., LTD			
PUBLISH	DATE					



1	٦	Fouch Panel Specification		Issue No.	
ЕТ		Appearance Inspection Standard	Page	7	
7.1 Ir (A). (B)T tran (C)T	The distance sparency condition.) The angle of e	dition of place: 500 LUX of eyeshot:30 CM(The panel mu eyeshot: >60° ce of place : natural sunlight.		cked under f	the lig
	nspection Star	ndard isible area. Except dot space.		60°	
1.S		∮ ≦0.15mm	Igno	Ignorance	
otherness		0.15mm≦ ∮ ≦0.25mm		≦2	
		∮ >0.25mm	N	IG	
2. 8	Scratch	w $\leq$ 0.05mm and L $\leq$ 2.0mm	0	rance	
		w $\leq$ 0.05mm 2.0mm $<$ L $\leq$ 4.0mm		k distance> nm	
		W>0.05mm or L > 4.0mm	N	IG	
	icatrices	W≦0.03mm	Igno	rance	
	ie) Length : Width	L≦4mm& 0.03mm≦W≦0.05mm	2	≦2 line e≦10mm	
		W>0.05mm	N	IG	
4. Edge warp		Edge warp≦3mm	allov	wable	
4. E			allov		

AMEND NO		APPROVAL	CHECK	PREPARE
	TOP-TOUCH	BY	BY	BY
AMEND DATE				
AMEND DATE	ELECTRONICS CO., LTD			
PUBLISH DATE	,			

	Touch	n Panel Specification	lss	ue No.	
SET		Packing & Others	F	age	8
8.1	Delivery: For Avoiding the ba	s on panel. Pack with EPE material. adly affect to the product quality, shou and unusually high or low temperature		ry in the	situatio
(2	<ol> <li>If there is any que between manufact</li> <li>If there is any char</li> </ol>	uestion in specification , the decision urer and customer. Inge in specification , can't actualize wi content is different from the individua	thout docu	ment per	rmit.
		TOP-TOUCH	APPROVAL BY	CHECK BY	PREPAR BY
AMEND	DATE	ELECTRONICS CO., LTD			

PUBLISH DATE