

#### 1. Appearance inspection

		1		
Defective item	Legend		Testing standa	ards
Point defects		Φ(mm)(diameter)		Judgment
(1) Internal	Width	Φ ≤ 0.1		Not counted
contamination (2Impurities		0.1 < Φ ≤ 0.15	Acc	cept 2 items
(3) Light	₩₩₩ ₩	0.15 < Φ ≤ 0.2	Aco	cept 1 item
leakage points	$\Phi = (1 + M) / 2$	Φ > 0.2		NG
and other point defects (except for the intersection points of normal design)	$\Psi = (L+W) /2$	<ol> <li>When two appear, th</li> <li>00mm.</li> <li>Those outside the vis</li> </ol>	e distance must sible area are no	be more than t counted.
Linear defects		Lenth(mm)	Width(mm)	judgement
1. Wool 2. Fiber	L	Excluding	≤ 0.02	Excluding
scratches, etc.	a	≤ 4.0	≤ 0.04	2 pieces allowed
		≤ 2.0	≤ 0.05	1 pieces allowed
	V	_	> 0.05	NG
1.Polarizer	There is	<ol> <li>Accept only when borrequirements.</li> <li>When the line is 3/4 cobject and judged as information and judged as information and solution; when the length&gt;5 or internal pollution; when distance must be greated. Outside the visual area is information.</li> </ol>	th length and wid of a circle, it is ju- ternal pollution. r the width>0.04 both appear at t er than 10mm. ea is not counted spected accordir	dth meet the dged as a round , it is inspected as he same time, the d
impurities 2. Bubbles 3. Concave and convex spots 4. Puncture wounds 5.Water pattern	<ol> <li>Dirt between the polarizer and the glass.</li> <li>Concave or convex caused by air</li> </ol>	defect standard, and the not counted. 2. The bub at least 0.2mm away fro 3. Water marks are not	e area outside th oble caused by th om the visible are allowed.	e visible area is ne object must be ea.

Polarizer is crooked		<ol> <li>Polarizers are not allowed to extend beyond the edge of the glass.</li> <li>The distance between the polarizer and the edge of the glass should not exceed 1.5mm and at least 0.2mm should not enter the visible area.</li> </ol>
External silk screen bubble	-	The width of the bubble should not exceed 0.25mm, and there should be no obvious black shadow.
Powder (lump)	-	Inspect by point or line defects.

Defective item	Legend	Testing standards
Crack		Not allowed, the crack can be removed and tested for damage
Backgroun d	Some or all of the background color of the LCD product is different from the background color of the sample.	There must not be any obvious color difference between the base color of the product and the base color of the sample confirmed by the customer. Otherwise, the plate will be checked and packaged separately. (Confirmation by the customer is required if necessary)
rainbow	There is obvious color difference on the same piece of glass after patching	Not allowed, limit plate can be made for inspection. (Customer confirmation is required if necessary)
1. The seali ng glue is too long 2. Too high 3. Off positi on		<ol> <li>The height or length shall be subject to the dimension tolerance of the engineering drawing.</li> <li>The deviation is not allowed.</li> </ol>
Poor sealing glue penetrati on		The minimum penetration of the sealing glue is 1/3 of the distance from the glass edge to the retaining line, and the maximum penetration does not enter the visible area.
Sealing glue falls off	-	Not allowed
The crystal is not full	-	Not allowed
Uneven frame lines		<ol> <li>≥3/2 of the average frame width or ≤1/2 of the average frame width, rejected.</li> <li>Rejected if entering the visible area.</li> </ol>
Uneven edges		1.A ≤ 0.2mm, accepted 2.A > 0.2mm, rejected

#### 2. Damage inspection

Note: "X" in the dama length a indicate PIN widt	dicates"Y" indicatesgedindicates thend "D"indicates thes thepiece of glasshindicates the	the crack width "Z" crack thickness "T" thickness of a single s
Defective	Legend	Testing standards
item		
General damage 1 Non-	X	<ol> <li>X direction is not limited.</li> <li>Y direction does not enter the visible area, it is</li> </ol>
electrode	YY	acceptable.
area Glass surface	The second secon	3. Z does not cause ≤1/3 frame line leakage, it is acceptable.
2. Surface	$\checkmark$	Note: X, Y, Z must be considered at the same time during
area Damage		inspection. If any one of them fails, it will be judged as NG.

		1. X direction is not limited.
Adhesion		2. If the Y and Z directions do not enter
		the frame line 1/3 or the silver point 1/3
	Letter and the second sec	is leaking, it is acceptable.
	L I	Note: During the inspection, X, Y, and Z
		must be considered at the same time. If
	The total	one of them fails, it will be judged as NG.
ITO surface	\	1. X direction is not limited
electrode		2. Y direction $\leq$ 1/3D
Terminal		Note: X, Y, and Z must be considered
damage		simultaneously during inspection. If any
	Electrode terminal	one of them fails, it will be judged as NG.
	area	
<b>D</b> "'	T7	1. Non-pressed paper model: Y direction
Poor cutting		S 1/3D, length not included
		2. Pressed paper model, Y direction ≤
		1/4D
		dimensional telerance of the engineering
	~	drawing, and the deviation should be $\leq \pm$
		0.211111
		· · · · · · · · · · · · · · · · · · ·

#### 3. Telecommunications performance test

Defectiv e item	Legend	Testing Standard
Break	After power	Not allowed
	displayed	
	segment is	
	displayed	
High	After the normal	<ol> <li>Not allowed</li> <li>If necessary, the current limit needs to be agreed with the</li> </ol>
	applied, the	customer
	current	
	the product	
	reaches or	
	value.	
Short	_	Not allowed
Font	During	
Diffusion	normal	Not allowed
	testing,	
	part or all	
	of the pen segments	
	become	
4 380 1	thicker.	
1. White 2 Pinhole		Controlled as point defects with $\Phi$ less than 1/3 of the width of the
2.1 11100	W L	segment. (Limited sample inspection
	<b>↑</b>	can be performed if necessary).
	$\Phi = \frac{W + L}{2}$	

1. Concave and convex points 2. Multiple strokes		Controlled as point defects and W is less than 1/2 of the width of the pen segment. If necessary, a limit sample test can be performed
Combination		<ul> <li>1.(A-B) ≤ 0.2mm is acceptable.</li> <li>2. B/A ≥ 3/4 is acceptable.</li> <li>Multiple scratches caused by combined deflection are inspected according to the point and line standard. If necessary, a limit plate can be used for inspection</li> </ul>
Light and dark	The segments are unstable, bright or dark, or missing due to poor contact of the conductive points.	Not Allowed
Word Light	Partially or completely blurrier than the sample confirmed by the customer	Not allowed. If necessary, limit templates can be established for control.
Threshold voltage	-	<ol> <li>≤1/4Duty is controlled by ±0.04V according to the sample confirmed by the customer.</li> <li>&gt;1/4Duty is controlled by ±0.03V.</li> </ol>

### 4. Installation pin inspection

Defective	illustration)	Testing standards
item		1 db 50 is not allowed
Pins are	The clamp and	2 Does not meet the requirements of the engineering drawing is
crooked	the electrode	not allowed
	terminal are	
	not on the same	
	line (forming	
DINI alƙasa	an angle Φ)	
PIN SKEW		The skew of the pin in the X or Y direction should not exceed 5°.
Chuck	and the second	The chuck deflection must be $\leq$ the conductive wire width
deviation		±0.2mm.
Glue	<=\	Not allowed to connect to PIN
Bubbles		
Glue cut		Not allowed
There is	and	Not allowed (C in the figure)
glue		
chuck		
	B	
Glue		
seeps		Not allowed
into		
r	山A/夹头外	
Glue height		1. Exceeding the 1. Exceeding the upper polarizer
No glue		Not allowed (A in Not allowed (A in the figure)
around the		the figure)
chuck		
Glue shape		Wrap each chuck, Wrap each chuck, fill the gap, make the surface smooth
		the surface back.
		smooth without dents, and do not
		allow any glue
		back.
Glue not		It is not allowed if It is not allowed if the glue is not completely cured (if
cured		completely cured is OK, otherwise it is NG).
		(if the glue does
		fingers when
		otherwise it is
		NG).
The pins	-	Not Allowed
installed		
to the		
bottom		
Conductive	_	The PIN chuck should not be more than 0.2mm out of the way
adhesive	-	
offset		
PIN Bevel	-	Control according to engineering drawing requirements.
PIN Shape	-	After PIN cutting, there shall be no hooks, no obvious bending or deformation, and no obvious damage to the coating.

#### 5. Product internal and external silk screen inspection

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Defective items	Legend	Testing standards
Pattern color	-	Subject to the sample confirmed by the customer
Wrong ink	_	Not allowed
Position offset	-	Controlled by the requirements of the engineering drawing (screen printing film can be checked)
Pattern tilt	-	Controlled by the requirements of the engineering drawing (screen printing film can be checked)), the maximum tilt angle is ±1°.
Silk screen break	-	Inspected by the linear defect standard
Pattern missing	-	Not allowed (screen printing film can be checked)
Pattern blur	_	Inspected by the sample confirmed by the customer
1.Line hair 2.Wire drawing	-	Meet the requirements of the engineering drawing, visual line smooth, burr width or wire drawing length does not exceed 0.1mm
Pattern scratch	-	Inspected by the appearance linear defect standard
Line width	-	Controlled by the requirements of the engineering drawing (screen printing film can be checked).
1.Dirty spots 2.Bubbl es on the pattern	-	
Uneven line thickness	-	Inspected by the point defect standard