

TFT LCD Cell

Incoming Inspection Specification

Model No. : 5.1" ~ 7"

Customer :
Approved By

Approved By
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; text-orientation: upright;"> 胡 俊 豪 8/28/14 </div> <div style="writing-mode: vertical-rl; text-orientation: upright;"> 許 鴻 棋 8/14 </div> <div style="writing-mode: vertical-rl; text-orientation: upright;"> 賴 玉 芳 </div> </div>

08/28/2014

Revision History

Version	Date	Page	Section	Description
1.0A	2014/8/22			New 1.

Inspection Standards for LCD Cell

1. Description

These inspection standards shall be applied to LCD cell supplied by INNOLUX Corporation.

2. Liability

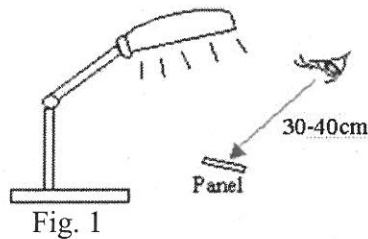
2.1 Input Deadline

Due to the product is Cell LCD shipping, to prevent quality problem caused by external environment, the product shall be use in 3 days after open the box.

3. The environmental condition of inspection

The environmental condition and visual inspection shall be conducted as below.

- (1) Ambient temperature : 25 ± 5 °C
- (2) Humidity : 25~75 % RH
- (3) Panel visual inspection on the operation condition for cosmetic shall be conducted at the distance 30~40cm or more between the LCD module and eyes of inspector.
Ambient Illumination : 800~1200 Lux for external appearance inspection
Ambient Illumination : 200~500 Lux for light on inspection
- (4) The viewing angle :
 - a) ± 15 degree to the front surface of display panel in vertical direction.
 - b) ± 15 degree to the front surface of display panel in horizontal direction.
- (5) Display panel shall be conducted at the distance 30~40cm between the LCD module and eyes of inspector (Fig. 1)



4. Inspection Criteria

- (1) Definition of dot defect induced from the panel inside
 - a) Bright dot : Dots appear bright and unchanged in size in which LCD panel is displaying under black pattern.
 - b) Dark dot : Dots appear dark and unchanged in size in which LCD panel is displaying under pure red, green, blue picture.

(2) Display Inspection

Items		Acceptable count
Bright dot	Random	$N \leq 2$
Distance	Minimum Distance Between Bright dots	5mm
Dark dot	Random	$N \leq 3$
Total bright and dark dot		$N \leq 4$
Distance	Minimum Distance Between dark dots Minimum Distance Between dark and bright dot.	5mm
Tiny bright dot (Visible through 6% ND filter)		$D \leq 0.25\text{mm}$, Ignore $0.25\text{mm} < D \leq 0.5\text{mm}$, $N \leq 3$ Distance $\geq 5\text{mm}$
Display failure (V-line/H-line/Cross line etc.)		Not allowable

5.Limited Warranty

INNOLUX represents and warrants that all Modules shall (i) conform to the specifications set hereunder, and (ii) be free from any defects in material and workmanship for two (2) months after the Customer's acceptance or deemed acceptance. INNOLUX will replace, rework or refund the Customer for the defective or non-conforming Modules at INNOLUX's option, provided that the Customer (i) promptly informs INNOLUX of the defects or non-conformities within the warranty period, (ii) complies with the specifications and conditions hereunder, and (iii) complies with INNOLUX's procedure for Modules replacement, reworking and/or return. The warranty period for the Modules replaced or reworked shall be the remaining term for such Modules.

Once received products, LCD process will be completed within one month.