XINSUN DISPLAY INTEGRATION LTD.

Product Specification For TFT Module

Model Name　XF185WXS02A-ILHL	
Customer	
Note	

■Preliminary Specification

☐Final Specification

☐CUSTOMER'S APPROVAL
BY:
DATE:

Comment

PRESENTED BY

1.0 GENERAL DESCRIPTION

1.1   Introduction

XF185WXS02A-ILHL is a color active matrix TFT LCD module using amorphous silicon TFT's (Thin Film Transistors) as active switching devices. This module has a 18.5inch diagonally measured active area with WXGA resolutions (1366horizontal by 768vertical pixel array). Each pixel is divided into RED, GREEN, BLUE dots which are arranged in vertical stripe and this module can display 16.7M colors. The TFT-LCD panel used for this module is adapted for a low reflection and higher color type..
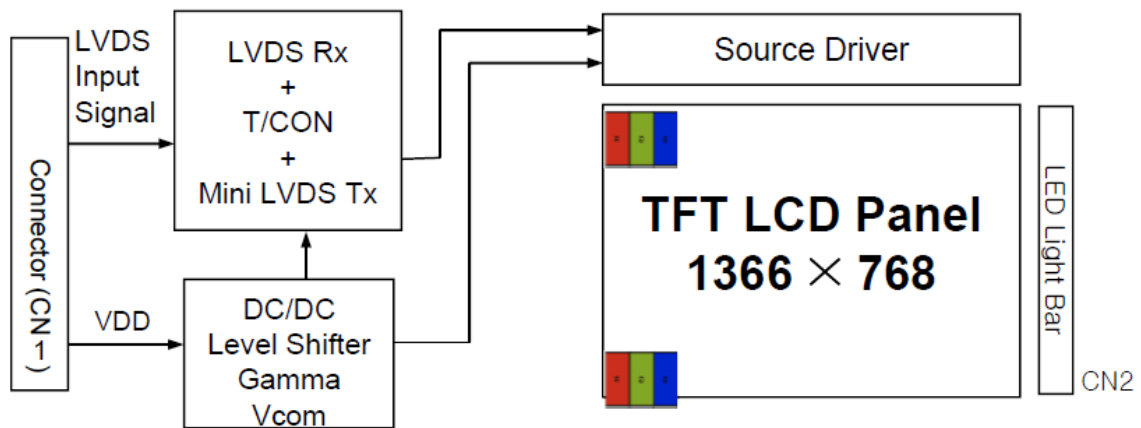
1.2   Features

- LVDS Interface with 1pixel / clock
- High-speed response
- Low power consumption
- 6-bit(Hi-FRC) color depth, display 16. 7Mcolors
- Incorporated edge type back-light (One Light Bar)
- High luminance and contrast ratio, low reflection and normalviewing angle
- DE (Data Enable) only
- RoHS
- Gamma correction

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1.3 Application

- Desktop Type of PC & Workstation Use
- Slim-Size Display for Stand-alone Monitor
- Display Terminals for Control System
- Monitors for Process Controller

1.4 General Specification

The followings are general specifications at the model XF185WXS02A-ILHL.

<Table 1. General Specifications>

Parameter	Specification	Unit	Remarks
Active area	409.8(H) × 230.4(V)	mm	
Number of pixels	1366(H) × 768(V)	pixels	
Pixel pitch	0.1(H) × 0.3(V)	mm	
Pixel arrangement	RGB Vertical stripe		
Display colors	16.7M	colors	
Display mode	Normally Black		
Dimensional outline	430.4(H) × 254.6(V) × 10.9(D) typ.	mm	Detail refer to drawing
Weight	1300(typ.)	g	
Bezel width (L/R/U/D)	8.5/8.5/10.3/10.3	mm	
Surface Treatment	Haze 25%, 3H		
Back-light	right edge side, 1- LED Light bar		

Figure 1. TFT-LCD Module Outline Dimensions (Front view)

NOTE:

1. I/F CONNECTOR SPECIFICATION
   FI-XB30SSL-HF15 (JAE) or IS100-L300-C23 (UJU)

2. LED CONNECTOR SPECIFICATION
   3707K-Q06N-08X (ENTERY) or Equivalent

3. Tilt and portial disposition tolerance of display area as followling
   (1)Y-direction: |A-B| ≤1.4
   (2)X-direction: |C-D| ≤1.4

4. CRITICAL DIMENSION: ①～④

SECTION A-A
SCALE 2/1

0.49⁺⁰·³₋₀·₃

254.6±0.5(OUTLINE)
(127.3)
430.4±0.5(OUTLINE)
(215.2)
102.41264
102.78736
413.4(BEZEL OPENING)
409.8(ACTIVE AREA)
ACTIVE CENTER
230.4(ACTIVE AREA)
234(BEZEL OPENING)
1.8
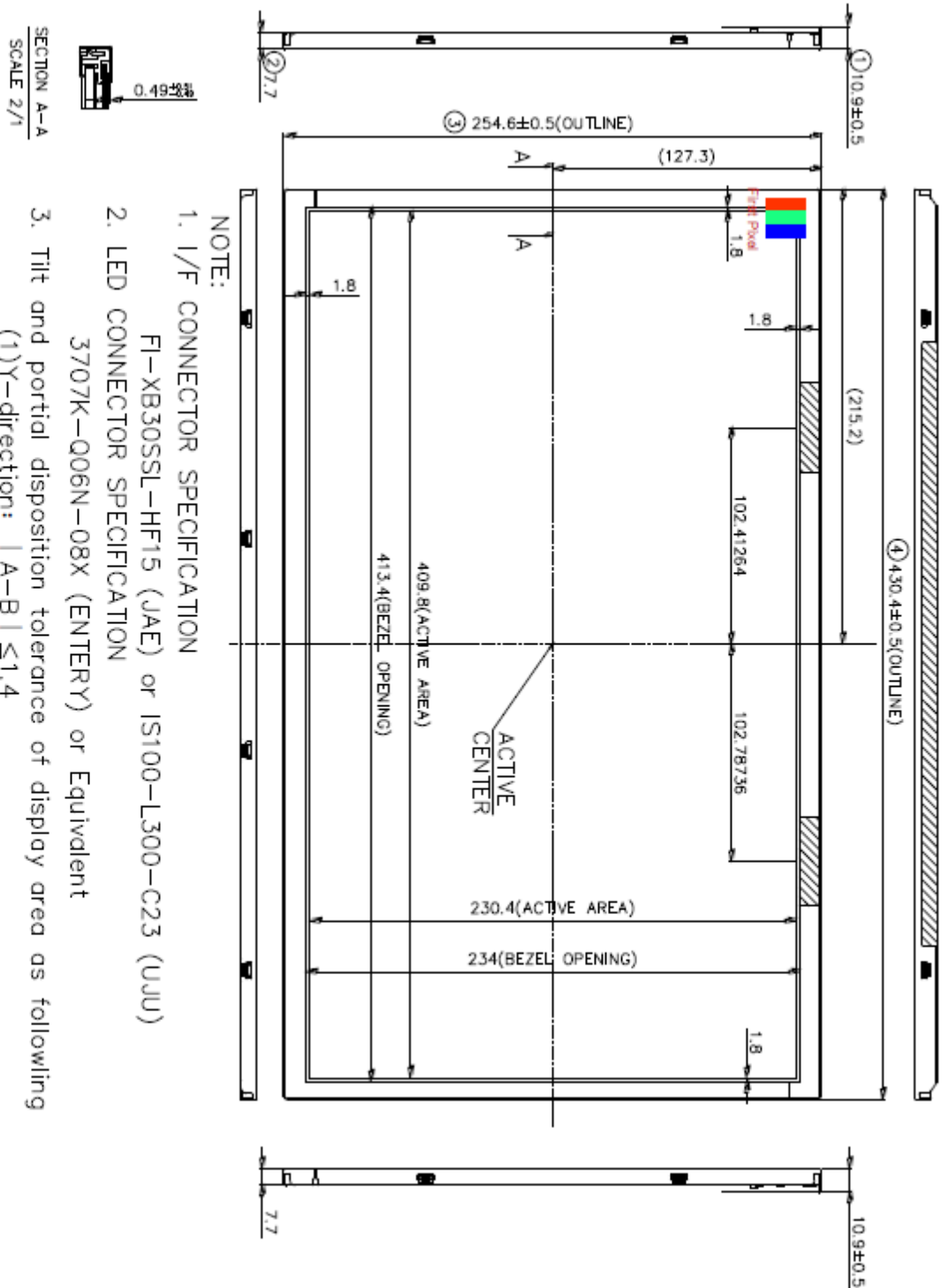First Pixel
10.9±0.5
7.7
7.7
10.9±0.5

Bezel Open
Active Area

Figure 2. TFT-LCD Module Outline Dimensions (Rear view)