



**XINSUN DISPLAY  
INTEGRATION LTD.**

**XF1011280800B  
-ILNL**

Ver.02

Page:1/4

# XINSUN DISPLAY INTEGRATION LTD.

Product Specification For TFT Module

**MODEL NO. : XF1011280800B-ILNL**

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**CUSTOMER :**

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**CUSTOMER'S APPROVAL**

**BY:**

**DATE:**

**PRESENTED**

**BY:**



## 1. General Specifications

XF1011280800B-ILNL is a TFT-LCD module. It is composed of a TFT-LCD panel, driver IC, FPC, CTP, a back light unit. The 10.1" display area contains 1280X800 pixels and can display up to 16.7M colors. This product accords with RoHS

### 1.1 Applications

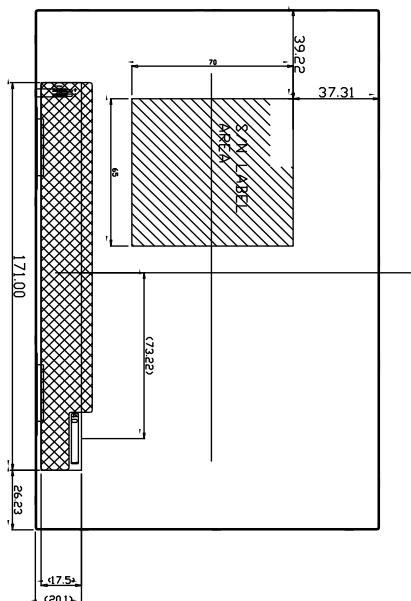
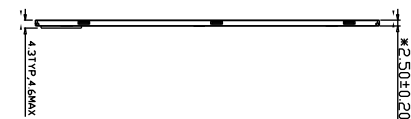
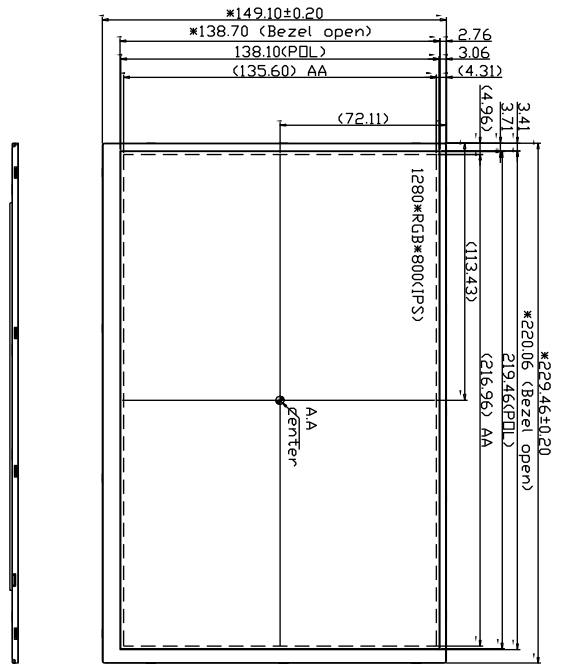
Pad,Digital Photo Frame,Multimedia Applications and Others System....

### 1.2 General Specifications

Item	Standard Value	Unit
Screen Size	10.1"(WXGA)	Inch
Dot Matrix	1280(RGB)*800	-
Color Number	16.7M	-
Module Dimension	229.46(W)*149.1(H)*2.5(T) Without PCB and component	mm
Active Area	216.96(W)*135.6(H)	mm
Color Arrangement	RGB-stripe	-
LCD Type	IPS TFT,TRANSMISSIVE, Normally Black	-
Viewing Direction	Free	-
Backlight type	LED,WHITE	-
Assembly Type	COG	-
Weight	TBD	-
Interface for TFT	LVDS	-



2.Mechanical Drawing and Interface





### 3.Optical Characteristics and Definitions

#### 3.1 Optical Characteristics

Ta=25°C

Item	Symbol	Condition	Min.	Typ.	Max.	Unit	Note
Brightness	Bp	$\theta=0^\circ$	-	350	-	Cd/m <sup>2</sup>	1
Uniformity	$\Delta$ Bp	$\Phi=0^\circ$	70	-	-	%	1,2
Viewing Angle	3:00	Cr $\geq$ 10	-	85	-	Deg	3
	6:00		-	85	-		
	9:00		-	85	-		
	12:00		-	85	-		
Contrast Ratio	Cr	$\theta=0^\circ$	600	800	-	-	4
Response Time	T <sub>r</sub>	$\Phi=0^\circ$	-	10	-	ms	5
	T <sub>f</sub>		-	10	-	ms	
Color of CIE Coordinate	W	$\theta=0^\circ$ $\Phi=0^\circ$	x	0.28	-	-	1,6
			y	0.33	-	-	
	R		x	0.51	-	-	
			y	0.34	-	-	
	G		x	0.31	-	-	
			y	0.56	-	-	
	B		x	0.15	-	-	
			y	0.14	-	-	
NTSC Ratio	S		50	60	-	%	