



XINSUN Display Integration Ltd.

10.4" TFT MODULE SHORT FORM

MODEL NO. : XF104XGA01A-TLNL

CUSTOMER :

1. General Specifications

XF104XGA01A-TLNL is 10.4" color TFT-LCD (Thin Film Transistor Liquid Crystal Display) module composed of LCD panel, driver ICs, control circuit, and backlight.

The 10.4" screen produces a high resolution image that is composed of 1024×768 pixel elements in a stripe arrangement. Display 262K colors by 6 Bit R.G.B signal input.

General specification are summarized in the following table

ITEM	SPECIFICATION
Panel Size	10.4 inch(panel diagonal)
Display Area (mm)	211.2(H)×158.4(V) (10.4-inch diagonal)
Number of Pixels	1024(H) × 3(RGB) × 768(V)
Pixel Pitch (mm)	0.20625 x0. 20625
Color Pixel Arrangement	RGB vertical stripe
Display Mode	Normally white
Number of colors	262,144
Brightness(cd/m ²)	400(typ.)
Response Time (Tr+Tf)	25 ms
Module Size (mm)	236(W)×174.3(H)×7.4(D) (with PWB and Component)
Viewin Angle(BL on,CR 10)	140 degree(H) 120 degree(V)
Power consumption W	4.0W(typ) / 4.3W(max)
BL unit	LED
Electrical Interface(data)	LVDS
Viewing Direction	6 o'clock (Max contrast ratio, Gray Level Inversion)
Weight(g)	385 (g)
Surface Treament	Anti-Glare Hardness:3H

Note 1: Refer to Mechanical Drawing.

2.Pin Assignment

Connector STM (P/N:MSBK2407P30D) or other of the same class

Pin No.	SYMBOL	FUNCTION
1	GND	Ground
2	V _{CC}	+3.3V Power
3	V _{CC}	+3.3V Power
4	NC	NC
5	NC	NC
6	NC	NC
7	GND	GND
8	RXIN0-	LVDS Signal(-)—channel 0
9	RXIN0+	LVDS Signal(+)—channel 0
10	GND	Ground
11	RXIN1-	LVDS Signal(-)—channel 1
12	RXIN1+	LVDS Signal(+)—channel 1
13	GND	Ground
14	RXIN2-	LVDS Signal(-)—channel 2
15	RXIN2+	LVDS Signal(+)—channel 2
16	GND	Ground
17	RXCLKIN-	LVDS Clock Signal(-)
18	RXCLKIN+	LVDS Clock Signal(+)
19	GND	Ground
20	NC	NC
21	NC	NC
22	GND	Ground
23	GND	Ground
24~30	NC	NC

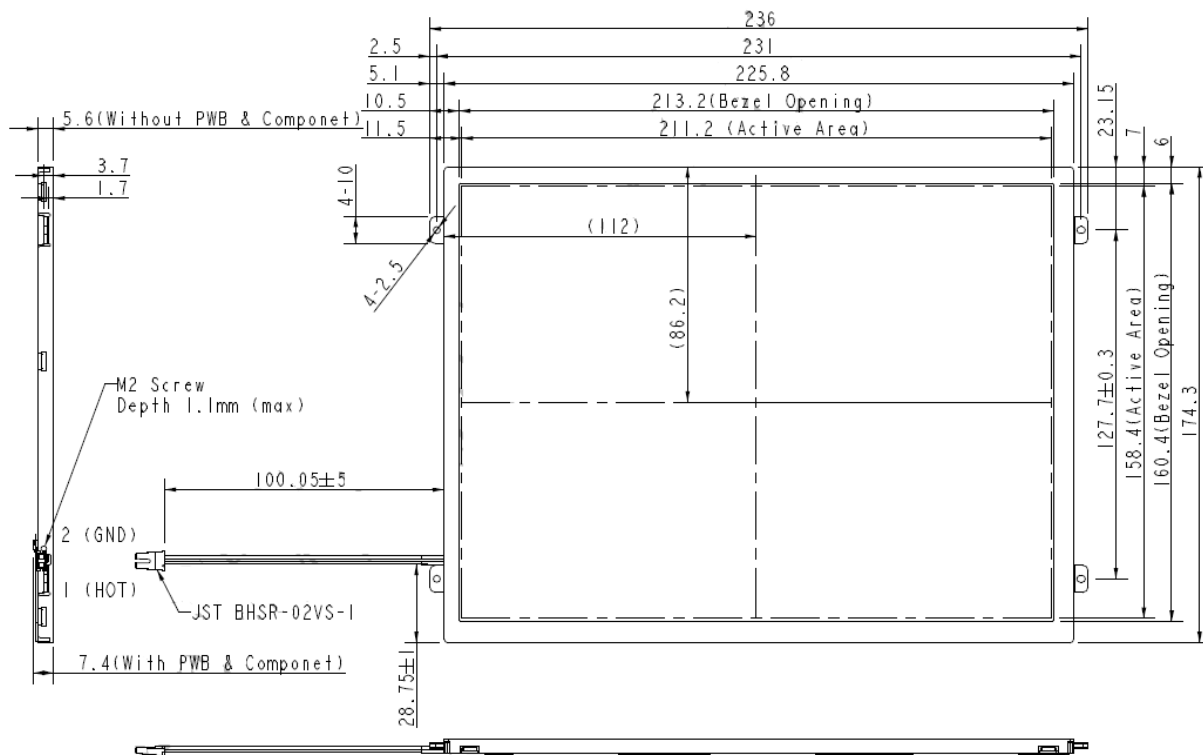
2.1 Backlight Pin Assignment

LED Light Bar connector is used for the the integral backlight system. The recommended model is “BHSR-02VS-1” manufactured by JST.

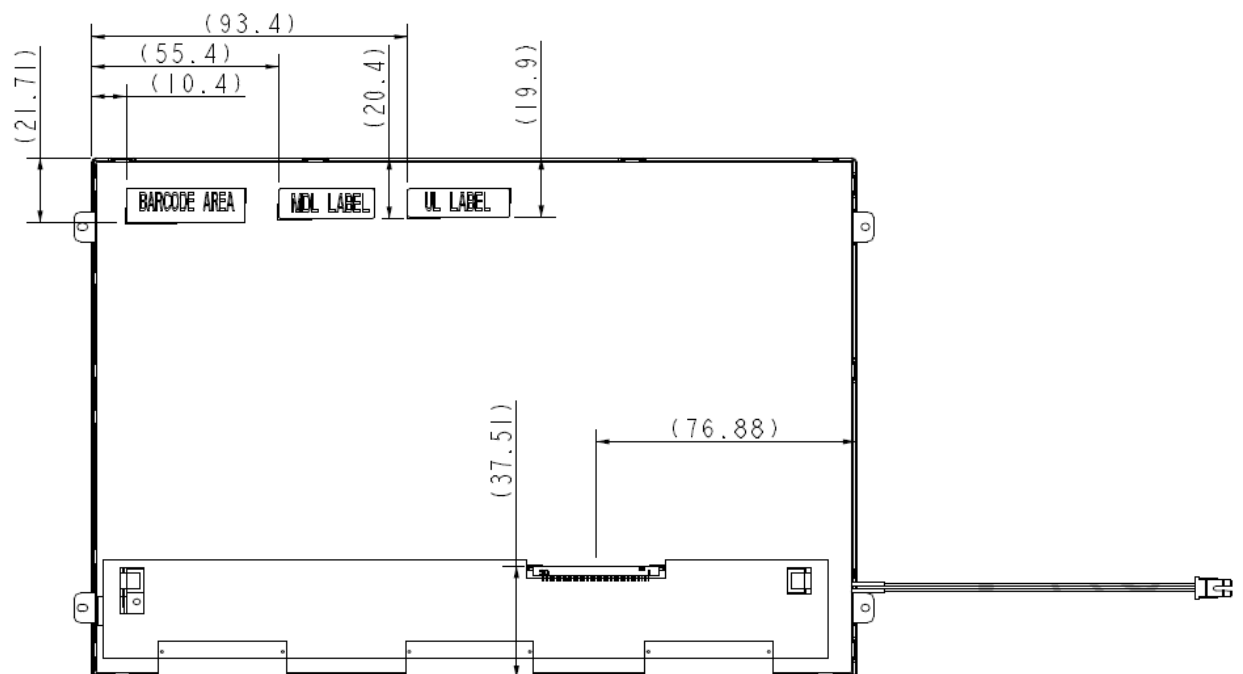
Pin No.	Symbol	I/O	Function	Remark
1	V _{LED+}	P	Power for LED backlight anode	
2	V _{LED-}	P	Power for LED backlight cathode	

3. Mechanical Drawing

[Unit : mm]



[Note] : Tolerance is ±0.3mm unless noted



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