GENERAL DESCRIPTION

DESCRIPTION

LTN141X8-L02 is a color active matrix TFT (Thin Film Transistor) liquid crystal display (LCD) that uses amorphous silicon TFT as a switching devices. This model is composed of a TFT LCD panel, a driver circuit, a back-light system, inverter, brackets, FPC. The resolution of a 14.1″ contains 1024 x 768 pixels and can display up to 262,144colors. 6 o'clock direction is the optimum viewing angle.

FEATURES

- Thin and light weight
- High contrast ratio, high aperture structure
- XGA (1024x768 pixels) resolution
- Low power consumption
- Single CCFL
- DE(Data enable) only mode
- 3.3V LVDS Interface

APPLICATIONS

- Notebook PC and desktop monitors
- Display terminals for AV application products
- Monitors for Industrial machine
- If the usage of this product is not for PC application, but for others, please contact SEC

GENERAL INFORMATION

ITEM	SPECIFICATION	UNIT	NOTE
Display area	285.696(H) x 214.272(V) (14.1″ diagonal)	mm	
Driver element	a-Si TFT active matrix		
Display colors	262,144		
Number of pixel	1024 x 768	pixel	
Pixel arrangement	RGB vertical stripe		
Pixel pitch	0.279(H) x 0.279(V) (TYP.)	mm	
Display Mode	Normally white		
Surface treatment	HAZE 25, HARD-COATING 3H		

Mechanical Information

ITEM		MIN.	TYP.	MAX.	NOTE
Module size	Horizontal (H)	298.2	298.5	298.8	LCD panel only
	Vertical (V)	226.2	226.5	226.8	
	Depth (D)	-	-	6.4	Inverter assembly (1), (2)
Weight		-	500	520	LCD panel only
		-	510	535	Inverter assembly

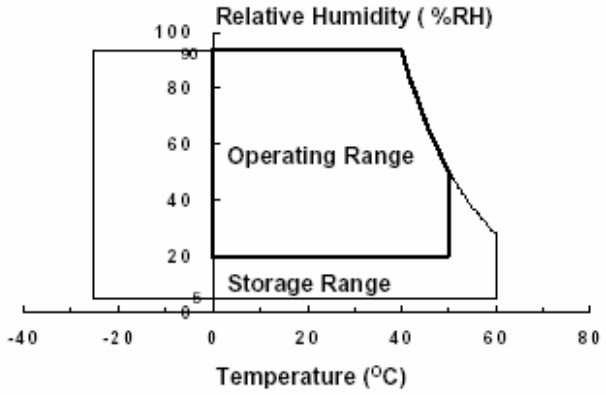
Note (1) Measurement condition of outline dimension
. Equipment : Vernier Calipers
. Push Force : 500g ·f (minimum)
(2) User Hole Torque : 2.8 kg·f·cm, 5 times

1. ABSOLUTE MAXIMUM RATINGS

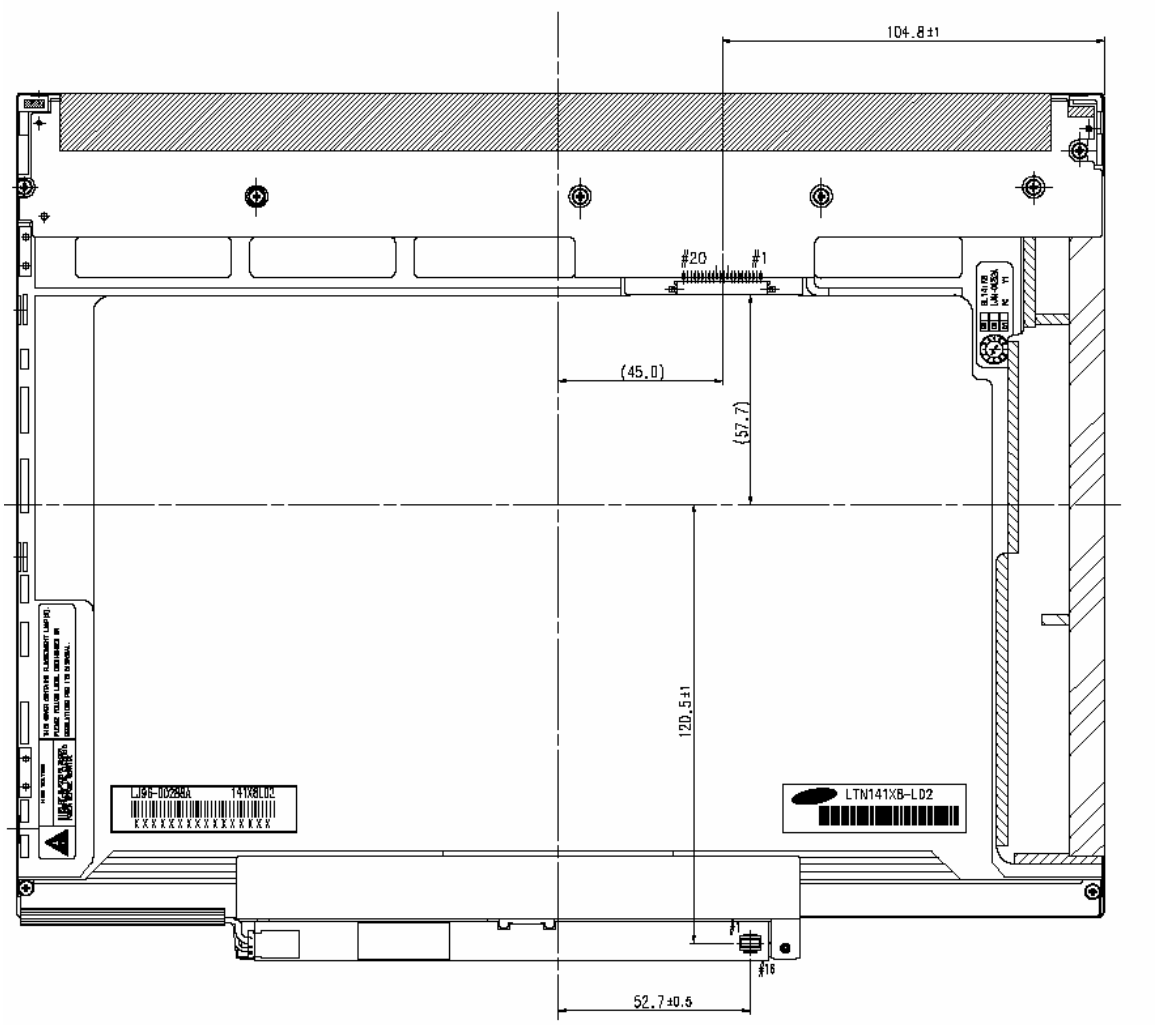
1.1 ENVIRONMENTAL ABSOLUTE RATINGS

ITEM	SYMBOL	MIN.	MAX.	UNIT	NOTE
Storage temperature	T_{STG}	-25	60	•°C	(1)
Operating temperature (Temperature of glass surface)	T_{OPR}	0	50	•°C	(1)
Shock (non-operating)	Snop	-	220	G	(2),(4)
Vibration (non-operating)	Vnop	-	1. 5	G	(3),(4)

Note (1) Temperature and relative humidity range are shown in the figure below.
95 % RH Max. (40°C ≥ Ta)
Maximum wet - bulb temperature at 39°C or less. (Ta > 40°C) No condensation.



(2) 220G, 2ms, Half sine wave, one time for ±X, ±Y, ±Z axis
(3) 10 ~ 300 ~ 10 Hz, Sweep rate 10min, 30min for X, Y,Z axis
(4) At testing Vibration and Shock, the fixture in holding the Module to be tested have to be hard and rigid enough so that the Module would not be twisted or bent by the fixture.


104.8±1
#20
#1
(45.0)
(57.7)
120.5±1
LTN141XB-LD2
#1
#16
52.7±0.5