30.7cm (12.1 inch) XGA (1024x768)
Color TFT LCD Module

IBM

IAXG01

Highlight

Features

− **30.7cm (12.1 inch)diagonal**
− **Native 262K colors**
  (RGB 6-bit data driver)
− **XGA 1024x768 pixels**
− **Low Reflection(Black Matrix)**
− **Using Post Spacer**
− **261.0mm x198.0mm x 5.0mm typ.**
− **Super Light Weight as 290g**
− **High Performance of Brightness**
  vs. Power Consumption

Applications

− **Notebook style PCs**
− **Internet Appliances**
− **KIOSK applications**

IAXG01 is a 30.7cm (12.1 inch) color TFT LCD module to be designed to realize the slim and light notebook style PC. The characteristics of this module are light weight, slim/thin outline, low power consumption and high resolution of XGA (1024x768) capability in compact screen. Support color is native 262K colors (RGB 6-bit data driver). All input signals are LVDS (Low Voltage Differential Signaling) interface compatible. Displaying beautiful pictures using Post Spacer*.

* Post Spacer is a new technology which keeps a gap between Color filter and TFT array using organic column instead of conventional spacer balls.

Specifications

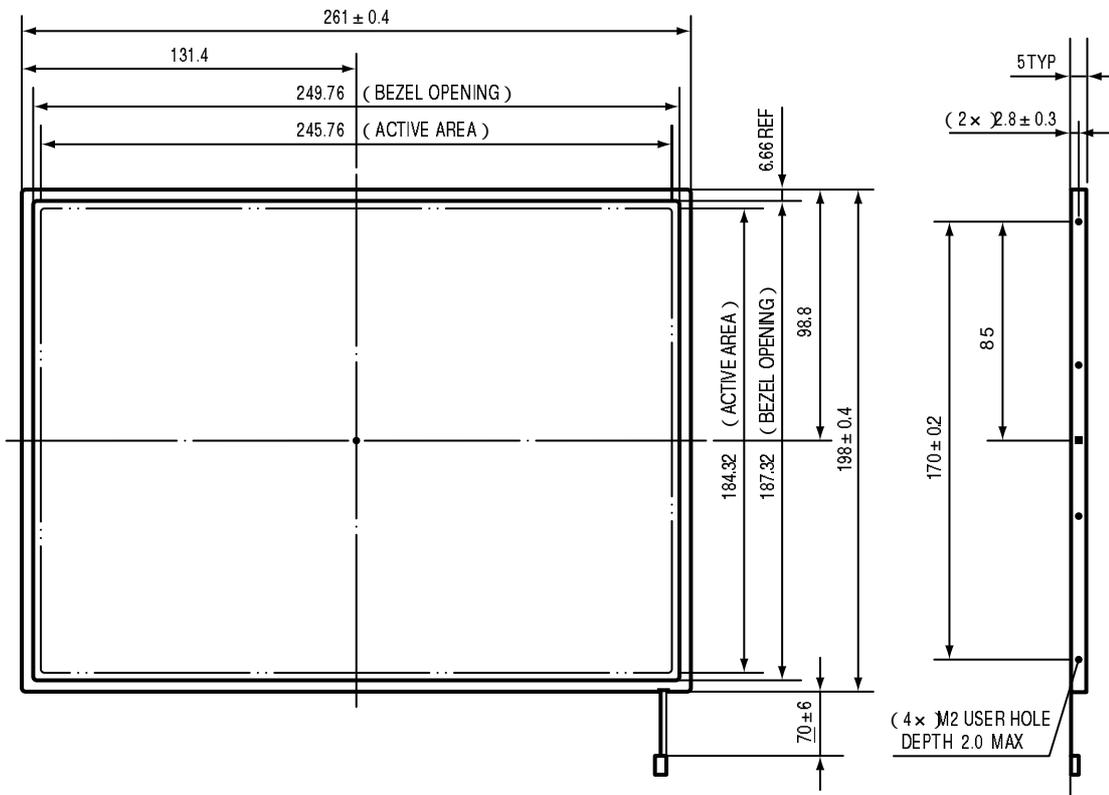|	
Screen Diagonal(mm)	307
Pixels H x V	1024(x3) x 768
Active Area(mm)	245.76(H) x 184.32 (V)
Pixel Pitch(mm)	0.240(per one triad) x 0.240
Pixel Arrangement	R,G,B Vertical Stripe
Weight(grams)	290Typ.
Physical Size(mm)	261.0(W) x 198.0(H) x 5.0(D)Typ.
Display Mode	Normally White
Support Color	Native 262K colors(RGB 6-bit data driver)
White Luminance(cd/m2) Design Point 1:(ICF=3.5mA) Design Point 2:(ICF=6.5mA)	95Typ(center) 90Typ(5 points average) 160Typ(center) 150Typ(5 points average)
Contrast Ratio	250:1Typ.
Optical Rise Time/Fall Time(msec)	30Typ.,50MAX.
Nominal Input Voltage VDD(Volt)	+3.3Typ.
Power Consumption(Watt) (VDD Line) (VCFL Line)	1.3Typ. 3.54Typ.
Electrical Interface	4pairs,single LVDS
Temperature Range(degree C) Operating Storage(Shipping)	0 to +50 -20 to +60