

<Color TFT-LCD Module >

AA121ST01

12.1 inch SVGA
FOR INDUSTRIAL USE

AA121ST01



FEATURES

- Slim Design (D=9.5mm)
- High Contrast Ratio 1000:1
- Super Wide Viewing Angle (-85~85° H,V)
- High Color Saturation (72% compared to NTSC)
- LED driver implemented
- LED Lifetime 100,000h (Typ.) *1), *2)
- Wide Operation Temperature Range (-30~80°C)
- Natural Color Matrix *3)

*1) LED life time is defined as the time when the brightness becomes 50% of the initial value.

*2) The life time of the backlight depends on the ambient temperature. The life time will decrease under high temperature.

*3) Natural Color Matrix brings more vivid color that is closer to original image.

SPECIFICATION

ITEM	SPECIFICATION
Display Area (mm)	246.0(H) × 184.5(V) (12.1-inch diagonal)
Number of Dots	800 × 3 (H) × 600 (V)
Pixel Pitch (mm)	0.3075 (H) × 0.3075 (V)
Color Pixel Arrangement	RGB vertical stripe
Display Mode	Normally black
Number of Color	262k(6 bit/color), 16.7M(8 bit/color)
Luminance (cd/m ²)	600
Viewing Angle (CR ≥ 10)	-85~85°(H), -85~85°(V)
Surface Treatment	Anti-glare and hard-coating 3H
Electrical Interface	LVDS (6 bit/8 bit)
Module Size (mm)	260.5 (W) × 203.0 (H) × 9.5 (D)
Module Mass (g)	570
Backlight Unit	LED, edge-light

Characteristic value without any note is typical value.

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