

**<Color TFT-LCD Module >**

# AA190EA01-DE1

**19.0 inch SXGA  
FOR INDUSTRIAL USE**

AA190EA01-DE1


**FEATURES**

- Touch panel attached (Projective capacitive)
- Touch panel controller implemented
- Super High Bright 1200cd/m<sup>2</sup>
- LED Lifetime 100,000h (Typ.) \*1), \*2)
- 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)		376.32 (H) × 301.056 (V) (19.0-inch diagonal)
Number of Dots		1280 × 3 (H) × 1024 (V)
Pixel Pitch (mm)		0.294 (H) × 0.294 (V)
Color Pixel Arrangement		RGB vertical stripe
Display Mode		Normally white
Number of Color		262k(6 bit/color) 16.7M(8 bit/color)
Luminance (cd/m <sup>2</sup> )		1200
Viewing Angle (CR ≥ 10)		-80~80° (H), -80~80° (V)
Cover Glass	Cover Glass Surface	Clear
	Thickness (mm)	1.8
	Glass Type	Strengthened glass
	Surface Hardness	5H
Electrical Interface		LVDS (6 bit/8 bit)
Viewing Direction		Higher contrast ratio: 6 o'clock Less gray scale reversal: 12 o'clock
Module Size (mm)		434.0 (W) × 359.0 (H) × 18.9 (D)
Module Mass (g)		2940
Backlight Unit		LED, edge-light
Touch Panel		Projective capacitive
Touch Panel Interface		UART / USB *1)

Characteristic value without any note is typical value.

\*1) UART: Universal Asynchronous Receiver Transmitter  
 UART and USB are used exclusively.

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