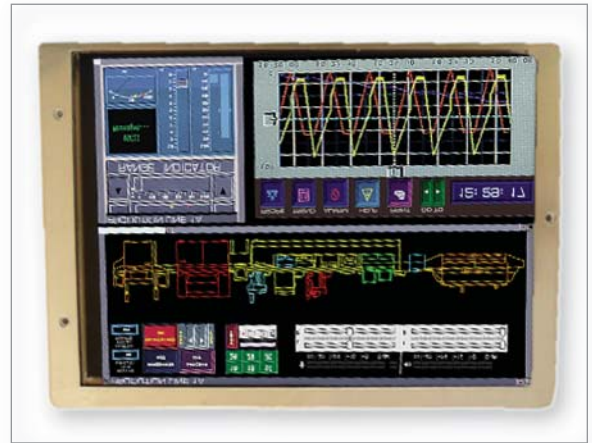


ENH150XL1-800 15" XGA AMLCD Display

Enhanced Performance for Outdoor Viewability

The ENH150XL1-800 color TFT LCD provides improved optical performance based on enhancement of a standard Sharp LQ150X1LGB1 color active matrix LCD module. Index Matching film plus the incorporation of high efficiency optical films provides an increase of approximately 33% over the typical luminance of the standard display. The ENH150XL1-800 is available in two surface treatments – IM/Clear (glossy) or IM/110 (a 10% diffusion).

This module is composed of a color TFT-LCD panel, driver ICs, control circuit, power supply circuit and a backlight unit. Graphics and text can be displayed on a 1024 x RGB x 768 dot panel with up to 16 million colors by supplying appropriate data and timing signals, using LVDS and 3.3V DC supply voltage for TFT-LCD panel driving and supply voltage for backlight.



ENH150XL1-800 meets the environmental specification of the Sharp LQ150X1LGB1 on which it is based. WEDC provides a full one year warranty to the enhanced performance product.

Performance Features

- XGA 1024(H) x 768(V) Resolution
- 4 CCFLs
- LVDS Interface
- High Contrast Ratio/ High Aperture Ratio
- Low Power Consumption

Applications

- Industrial Automation
- Kiosk Systems
- Medical Instrumentation
- Marine Navigation System

Surface Treatments

- Diffuse front surface, IM 110
- Glossy, IM Clear

Display Characteristics

- Display Format: 1024 Pixels (H) x 768 Pixels (V)
- Active Viewing Area: 304.1mm (H) x 228.1mm (V)
- Pixel Configuration: RGB Vertical Stripe
- Pixel Pitch: 0.297mm(H) x 0.297mm(V)
- Display Mode: Normally White

Viewing Angle

- Typical: 55/80/80/80 CR > 5

Luminance

- Typical: 800 cd/m²

Response Time

- Typical: 30ms

Operating Temperature

- TOPA -30°C to +60°C (Ambient)

Storage Temperature

- T_{STG} -30°C to +70°C

When looking for a high-efficiency enhanced display system to integrate into your high-end product application, start with White Electronic Designs. Our people, processes and products are committed to the design, development and delivery of advanced display technology that expands possibilities in ways that consistently translate to success. And that's just the beginning Call **503.690.2460** or visit **www.whiteedc.com**.



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