



Enterprises, Inc.

2985 Theatre Drive, Paso Robles, CA 93446
Phone (805) 239-9737 Web Site: www.rlc.com

LCD-AR8.4
Anti-Reflective



- Sunlight Readable, Extended Temperature
- 640x480 Resolution
- 64,000 Colors (TFT)

Plug-N-Play LCD Display

The **LCD-AR8.4** (Sunlight Readable, Anti-Reflective, Extended Temperature) display comes mounted on a PCB board that provides all the necessary hardware to support direct connection to either the XScale-Lite or XScale-Mini 32-Bit Embedded Single Board Computers. The LCD-AR8.4 has an anti-reflective coating that makes it sunlight readable and has an extended temperature display with temperature ranges between -20° to +70° C. It connects directly to the XScale-Lite or XScale-Mini through a simple 34-pin flat ribbon interface cable. For added flexibility, the interface cable supplied with each LCD-AR8.4 is 30 in. long. No other connections or power sources are needed!

Hardware Features

- 8.4 in. TFT Color Graphics LCD Display
- 640x480 Resolution, 64,000 Colors
- Extended Temperature Range (-20/+70 C)
- Simple Ribbon Cable Interface
- CCFL Backlight Standard
- Integrated Power Supply
- Backlight Generator

Software Features

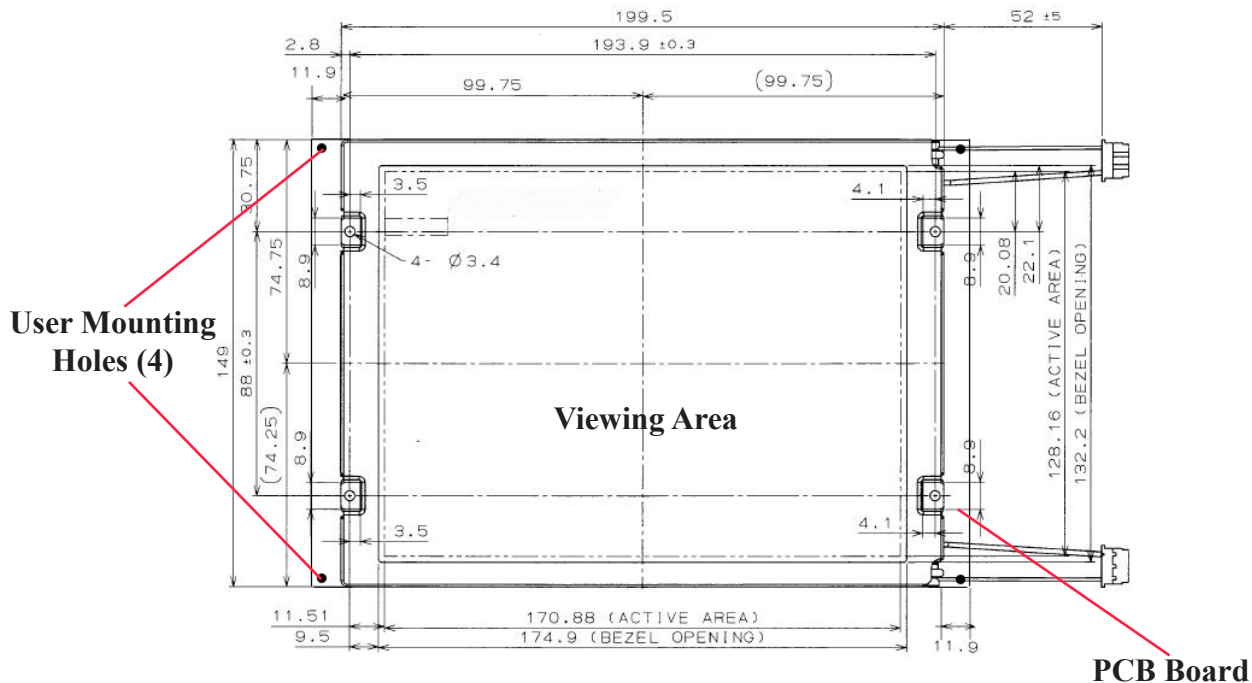
- Display Drivers Pre-Installed
- Backlight Controls (On, Off)

The Future of Embedded Controllers™

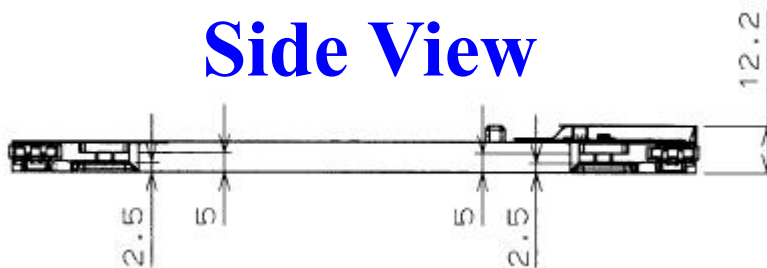
Copyright 2007, R.L.C. Enterprises, Inc. All Rights Reserved. Specifications may change without notice.
XScale is a Trademark of Intel Corp. Windows is a trademark of Microsoft Corp.

Mechanical Drawings

Top View



Side View



Display And Touch Screen Specifications

Power Requirements:

Power for the LCD-AR8.4 is provided by the XScale CPU board.

LCD Display:

The LCD-AR8.4 is a Full VGA color graphics TFT (640x480, 64,000 Colors). The brightness is 480 nit.

Display Drivers:

Display drivers are built into the operating system of the XScale-Lite and XScale-Mini. There are no extra interfacing or configurations required by the user.

Environmental:

-20 to +70 C with air flow and no condensation.

Interface:

The LCD-AR8.4 connects to the XScale-Lite or XScale-Mini through a 34-pin flat ribbon cable. No other connections are required. Cable length supplied is 30 inches.

Backlight Controls:

The backlight controls include On and Off functionality. The backlight inverter is built onto the PCB that the display is mounted on, power is provided by XScale CPU board.