

# Enterprises, Inc.

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● Available With Touch Screen

● 640x480 Resolution

● 64,000 Colors (TFT)

## Plug-N-Play LCD Display

The **LCD-8.4** 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. 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-8.4 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
- Optional Touch Screen (Resistive)
- Simple Ribbon Cable Interface
- CCFL Backlight Standard
- Integrated Power Supply
- Backlight Generator

### Software Features

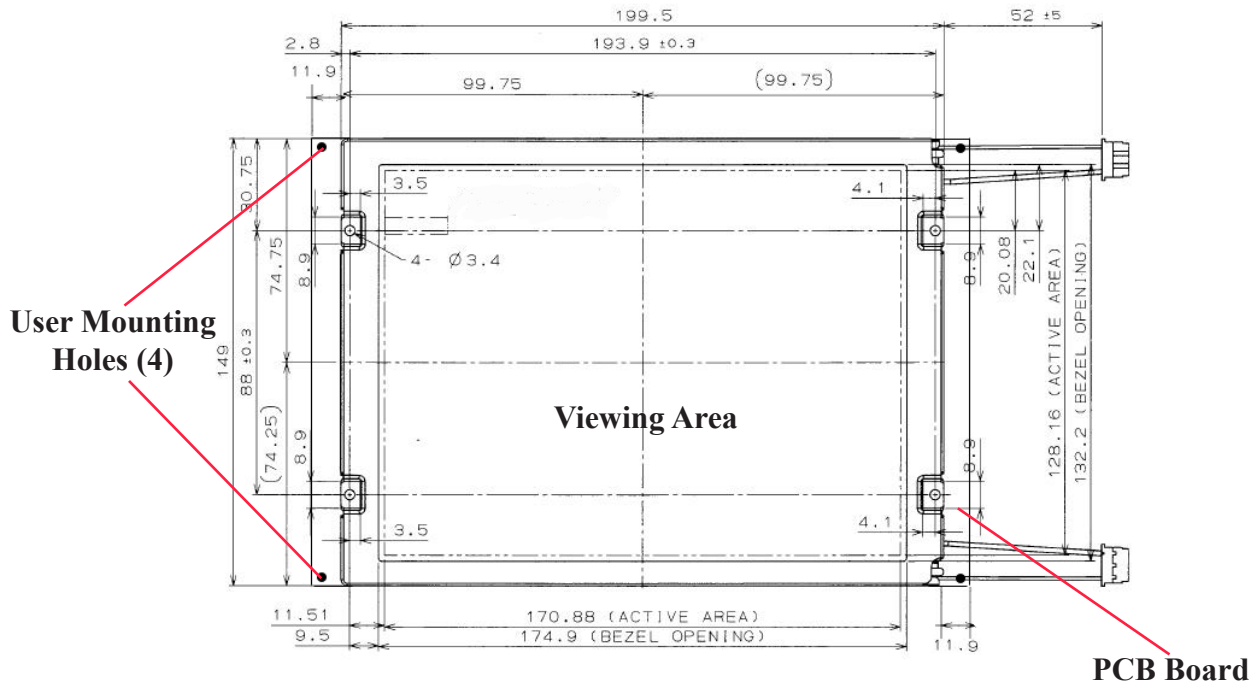
- Display Drivers Pre-Installed
- Touch Screen Drivers Pre-Installed
- Touch Screen Calibrations Pre-Installed
- Backlight Controls (On, Off)

*The Future of Embedded Controllers*™

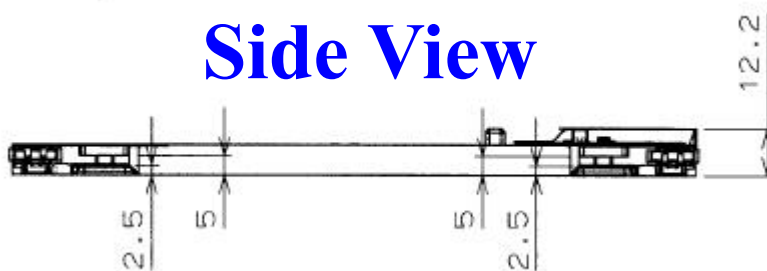
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# Mechanical Drawings

## Top View



## Side View



## Display And Touch Screen Specifications

### Environmental:

-0 to +60 C with air flow and no condensation.

### Power Requirements:

Power for the LCD-8.4 is provided by the XScale CPU board.

### LCD Display:

The LCD-8.4 is a Full VGA color graphics TFT (640x480, 64,000 Colors). The brightness is 450 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.

### Touch Screen: (Optional)

Touch screen drivers and calibration routines are built into the operating system of the XScale-Mini.

### Interface:

The LCD-8.4 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.