

Enterprises, Inc.

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



- Sunlight Readable, Extended Temperature
- Available With Touch Screen
- 400x240 Resolution
- 64,000 Colors (TFT)

Plug-N-Play LCD Display

The **LCD-TF6.5** (Sunlight Readable, Transflective, 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-TF6.5 is an extended temperature display with temperature ranges between -40° to $+75^{\circ}$ C, making it an ideal display for any ruggedized system. It's also a direct sunlight readable transflective display which allows you to view the display outside, no matter what the conditions. 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-TF6.5 is 30 in. long. No other connections or power sources are needed!

Hardware Features

- 6.5 in. TFT Color Graphics LCD Display
- Extended Temperature Range ($-40/+75$ C)
- 400x240 Resolution, 64,000 Colors
- Optional Touch Screen (Resistive)
- Simple Ribbon Cable Interface
- CCFL Backlight Standard
- Integrated Power Supply
- Backlight Generator

Software Features

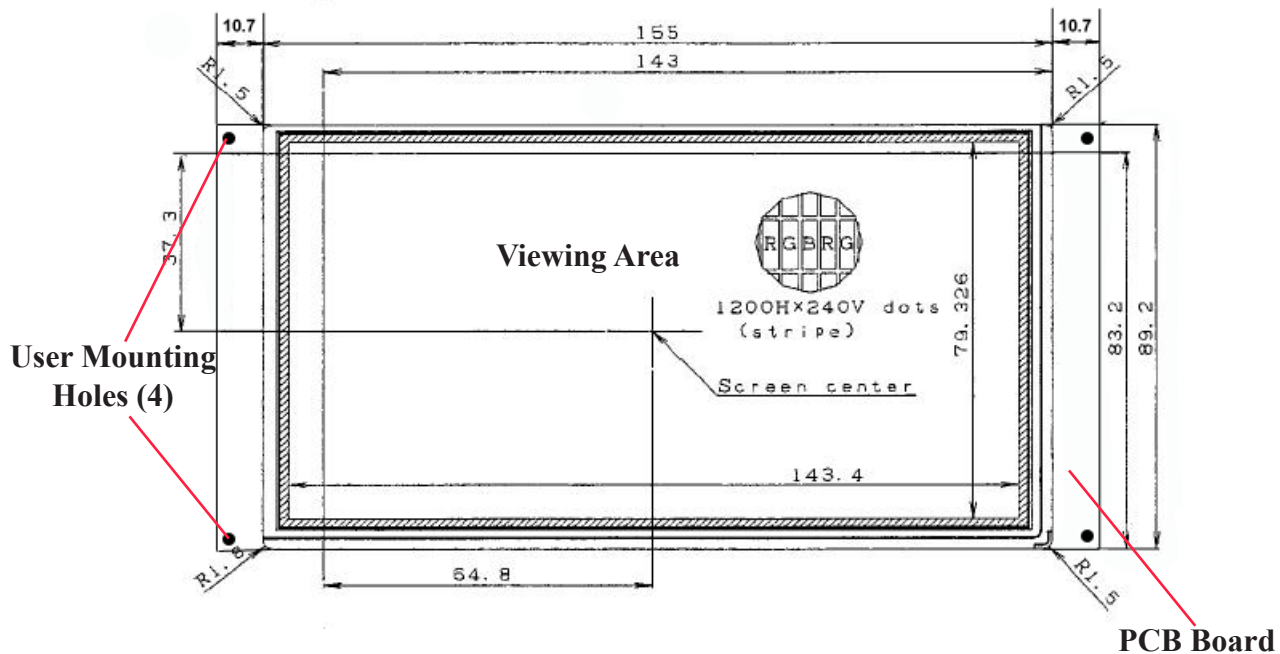
- Display Drivers Pre-Installed
- Touch Screen Drivers Pre-Installed
- Touch Screen Calibrations Pre-Installed
- Backlight Controls (On, Off)

The Future of Embedded Controllers™

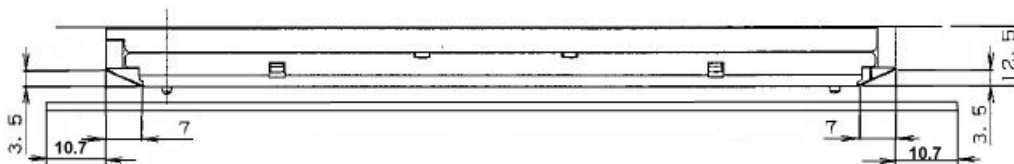
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Mechanical Drawings

Top View



Side View



Display And Touch Screen Specifications

Environmental:

-40 to +75 C with air flow and no condensation.

Power Requirements:

Power for the LCD-TF6.5 is provided by the XScale CPU board.

LCD Display:

The LCD-TF6.5 is a color graphics TFT (400x240, 64,000 Colors). The brightness is 220 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-TF6.5 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.