



**APOLLO  
DISPLAY  
TECHNOLOGIES.**

The LCD Specialists...

# Industrial 8.4" XGA LED Backlit TFT

## Features:

- ◆ Long life white LED backlight system
- ◆ Easy drop-in design for use in Medical, Military, Kiosks, Machine Automation and Industrial Control applications
- ◆ Wide operating temp. range, wide viewing angle, high contrast ratio and brightness ratings
- ◆ Ultra clear touch sensor (87% light transmission)- optional
- ◆ 100% dimming capability w/ CDS-CCR2-600M board- optional

**P/N: T-51639D084JU-FW-A-AB-V404**



## Specifications

### LCD Panel:

- 8.4"-TFT Active Matrix color
- 171.264(H) x 128.448(V) mm active area
- XGA 1024 x 768 resolution (maximum)
- 0.16725 (H) x 0.16725 (V) mm dot pitch
- 16.7M colors (maximum)
- 390 nit brightness (typical)
- 400:1 contrast ratio (typical)
- 6/19 ms response time (typical at 0° C)
- 130° (H), 110° (V) viewing angle (typical)
- 50,000+ hour LED life (projected)

### Display Interface:

- 18/24-bit parallel data transfer (6/8-bit color) selectable

### Ordering Options:

**P/N: T-51639D084JU-FW-A-AB-V404**

Standard 8.4" XGA TFT w/ White LED Backlight System

**P/N: T-51639D084JU-FW-A-AB-V404A**

Standard 8.4" VGA TFT w/ Anti-Reflective Front Surface Treatment and White LED Backlight System

**P/N: T-51639D084JU-FW-A-AB-V404B**

Standard 8.4" VGA TFT w/ Anti-Reflective Front Surface Treatment and White LED Backlight System and integrated 4-wire resistive touch

**P/N: CDS-CCR2-600M**

100% dimmable constant current regulator interface board

### Power:

- Panel Supply Voltages 3.3V DC
- LED Backlight Supply Voltage 8.9V DC typical per rail
- 5.82 W (max per LED rail)

### Mechanical and Environmental:

- 205.0 (W) x 152.4 (H) x 11.3 (D) mm
- 380 g (typ)
- LCD operating temperature range: -20~70° C
- LED operating temperature range: -30~85° C
- LCD Storage temperature range: -20~80° C

## Mechanical Drawing

Download the full mechanical specification at  
[www.apollodisplays.com](http://www.apollodisplays.com)