



"ALWAYS COMPLETE"

## **Cogent Computer Systems, Inc.**

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### **CSB909 - LCD Display Boards for CSB7xx Series**

The CSB909 family, designed and developed by Cogent Computer Systems, Inc. are LCD Display boards of various size and resolutions. They all conform to the 41-Pin LCD I/F standard developed by Cogent for this purpose. This connector provides: 18-Bit RGB Data; SPI w/ Interrupt for Touch Control; I2C w/Interrupt for Switches, LED's, etc; and 6V to 35V Power In.

#### **CSB909V6 Specifications:**

- CSB909 41-pin Connector with 18-Bit RGB Interface
- Optrex T-51750GD065J-FW-AD 6.5", 400Nit VGA Display with 4-Wire Touch Screen
- ADS7846 Touch Screen Controller via SPI Interface
- PCA9554 I2C GPIO Controllers for LCD Control and Pushbutton Switches
- On-Board 5V Supply for LCD and 4Watt CCFL Inverter LCD Backlight Supply
- On-Board 3V and LCD Voltage Supplies with 6V to 35V Input Power Range
- Standby 3V Supply Powers Touch and Switch Interfaces
- 7.2" x 5" Size, may be located up to 18" from CSB7xx Breakout

#### **CSB909W7 Specifications:**

- CSB909 41-pin Connector with 18-Bit RGB Interface
- AU Optical 7", 400Nit, 800x480 WVGA Display (or Equivalent)
- 4-Wire Resistive Touch Screen
- ADS7846 Touch Screen Controller via SPI Interface
- PCA9554 I2C GPIO Controllers for LCD Control and Pushbutton Switches
- On-Board 5V Supply for LCD and 4Watt CCFL Inverter LCD Backlight Supply
- On-Board 3V and LCD Voltage Supplies with 6V to 35V Input Power Range
- Standby 3V Supply Powers Touch and Switch Interfaces
- 7.5" x 4.25" Size, may be located up to 18" from CSB7xx Breakout

#### **CSB909LV Specifications:**

- CSB909 41-pin Connector with 18-Bit RGB Interface
- TI SN75LVDS84 18-Bit LVDS Transmitter
- ADS7846 Touch Screen Controller via SPI Interface
- On-Board 12V and 3V Voltage Supplies with 6V to 35V Input Power Range
- Compact 1.35" x 2.45" Size, may be located up to 18" from CSB7xx Breakout

#### **CSB909DV Specifications:**

- CSB909 41-pin Connector with 18-Bit RGB Interface
- TI TFP410 TMDS Driver
- Standard DVI-D Connector (Digital Only, No Analog)
- On-Board 5V and 3V Voltage Supplies with 6V to 35V Input Power Range
- Compact 1.3" x 2.5" Size, may be located up to 18" from CSB7xx Breakout

