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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
- ADS7843 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
- OSD 7", 400Nit, 800x480 WVGA Display (or Equivalent)
- 4-Wire Resistive Touch Screen
- ADS7843 Touch Screen Controller via SPI Interface
- PCA9554 I2C GPIO Controllers for LCD Control and Pushbutton Switches
- On-Board Supply for LED Backlight
- 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, VGA to XGA Resolution
- 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, VGA to SXGA Resolution
- 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

