

Dual Port CompactPCI SCSI LVD/HVD Multimode Expander Blade

General Description:

The RTLVD-HVDCD is a Dual Port Compact PCI WIDE SCSI multimode Expander Blade. The RTLVD-HVDCD converts two independent channels of WIDE Low Voltage Differential (LVD) to WIDE High Voltage Differential (HVD). This allows LVD peripherals to be used on an HVD bus.

The RTLVD-HVDCD can also be used to extend an HVD SCSI bus, thus, increasing its total length up to 120 feet (37 meters).

Because the RTLVD-HVDCD is Multimode it can also convert HVD to SE.

Features:

- Peripheral Component Interconnect (PCI) PICMG 2.0 R3.0 OCT. 1, 1999
- WIDE (16-bit SCSI Bus)
- Data transfers up to 40 Mbytes/second
- Supports up to 16 SCSI devices
- Transparent Operation (No Software Required)
- Data Deskewing Circuitry
- 48 MA Single-Ended Active Negation Drivers
- RS485DE HVD Transceivers
- Supports Arbitration, Parity and Disconnect/Reconnect
- Switchable HVD Termination
- Jumperable LVD Termination
- Meets ANSI SCSI X3.131-1994 and X3.277-1996 Specifications, X3.T10/1142D SPI-2 (Ultra2 SCSI) Document
- Busy LED
- Synchronous or Asynchronous Data Transfers
- Does not occupy a SCSI ID
- Target or initiator on either side
- LVD to HVD or single-ended to HVD conversion
- TERMPWR via resetting circuit protector and backflow preventing diodes

Applications:

Any application where converting HVD devices to LVD, HVD to SE or where longer cables on a single-ended LVD or HVD SCSI interface is required. For example: Tape Libraries, RAID Systems and optical juke boxes, etc.



RTLVD-HVDCD



RTLVD-HVDCD6U

Specifications:

- **Size:** 4U (6.402" x 6.193") and 6U Panel
- **Power:** +5 Vdc, +/-5%, 4000 mA max. current, 3000 mA typical.
+12 Vdc, +/-10% 25mA max. current, 10mA typical
- **Connectors:**
Data: LVD VHDCI 68-pin
HVD VHDCI 68-pin
135-pin Compact PCI Connector
- **Transfer Rate:** Up to 40 Mbytes/second
- **Environment:**
Operating Temperature: 0-70°C
Relative Humidity: 5-95% (non-condensing)