

## Ultra320 SCSI **LVD/HVD/SE** Internal/External Multimode Expanders

### General Description:

This Ultra320 SCSI Expander can be used internally or externally and are available in a variety of configurations. They are designed to extend the SCSI Bus or match (convert) SCSI Bus interface types.

### Features:

- WIDE (16-bit SCSI Bus)
- Data transfers up to 320 Mbytes/second
- Supports up to 16 SCSI devices
- Transparent Operation (No Software Required)
- Data Deskewing Circuitry
- 48 MA Single-Ended Active Negation Drivers
- Supports Arbitration, Parity and Disconnect/Reconnect
- Switchable LVD/SE Termination
- Allows for bus isolation by disabling SCSI transfers
- Meets ANSI SCSI X3.131-1994 and X3.277-1996, X3.T10/1142D SPI-2 (Ultra2 SCSI), X3.T10/1302D SPI-3 (Ultra3 SCSI) and X3.253 SPI-4 (Ultra4 SCSI) Specifications and Compliant with EPI Documents
- SCSI Busy and Power LED
- Synchronous or Asynchronous Data Transfers
- Does not occupy a SCSI ID
- Target or initiator on either side
- TERMPWR via resetting circuit protector and backflow preventing diodes
- Can be mounted in 3 1/2" full-height Drive Bay

### Specifications:

- **Size:** 4" x 3.7" x 1.5"
- **Weight:** 7 oz chassis + 12 oz power supply
- **Power:** 100-240 VAC, 47-63 HZ, 0.4 Amp, Regulated 5 Volt DC @ 2 Amps
- **Data Connectors:** Two 68-pin High density connectors



**RTBLVD-xxxx**

- **Transfer Rate:** Up to 320 Mbytes/second
- **Environment:**  
Operating Temperature: 0-47°C  
Relative Humidity: 5-95% (non-condensing)

### Configurations:

- **RTBLVD-LVD4 Ultra320 SCSI** - Low Voltage Differential Extender
- **RTBLVD-LVD3 Ultra 160 SCSI** - Low Voltage Differential Extender
- **RTBLVD-LVD Ultra2 SCSI** - Low Voltage Differential Extender
- **RTBLVD-HVD Ultra320** – Low Voltage Differential to High Voltage Differential (HVD) Converter

### Applications:

Any application where longer cables on an LVD or LVD/SE/HVD SCSI interface are required. The LVD Expanders can also be used to reshape poor quality LVD signals. This also helps allow for added cable length. For example: RAID Systems, LTO & DLT Tape Drives and Tape Libraries, optical drives, Hard disk drives, optical CD-ROM, DVD and CDR drives, optical juke boxes, etc.