

LVD/HVD SCSI Multimode Expander

General Description:

The RTLVD-HVDV2R is a WIDE LVD/HVD SCSI multimode Expander. This unique interface converter measures only 3.20 x 3.45 inches. The RTLVD-HVDV2R converts WIDE Low Voltage Differential (LVD) to WIDE High Voltage Differential (HVD). This allows LVD peripherals to be used on an HVD bus. This expander allows the LVD bus to operate at up to Ultra4 SCSI speeds (320 mbytes/second). HVD devices will operate up to Ultra SCSI speeds (40 mybtes/second).

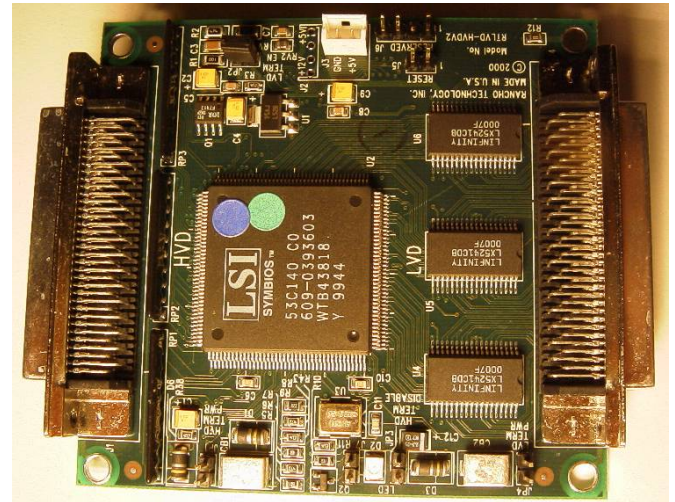
The RTLVD-HVDV2R can also be used to extend an HVD Ultra SCSI bus, thus, increasing its total length up to 120 feet (37 meters).

Because the RTLVD-HVDV2R is Multimode it can also convert HVD to SE.

The RTLVD-HVDV2R operates from a single +5 volts DC power supply. A power cable is included with each RTLVD-HVDV2R.

Features:

- WIDE (16-bit SCSI Bus)
- 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 and LVD Termination
- Meets ANSI SCSI X3.131-1994 and X3.277-1996 Specifications, X3.T10/1142D SPI-2 (Ultra2 SCSI) and X3.253 SPI-3 (Ultra3 SCSI) Documents
- 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



RTLVD-HVDV2R

Specifications:

- **Size:** 3.200" x 3.450"
- **Power:** +5 Vdc, +/-3%, 2400 mA max. current, 1600 mA typical
- **Connectors:**
Power: 2-pin miniature Molex # 39-27-6023
Data: 68-pin High density right angle
- **Throughput Transfer Rate:** Up to 40 Mbytes/second (limited by HVD bus)
- **Environment:**
Operating Temperature: 0-70°C
Relative Humidity: 5-95% (non-condensing)

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: RAID Systems, DLT & DAT Tape Drives, Jazz Drives (removable media), streaming tape drives, optical drives, laser printers, Hard disk drives, optical CD-ROM, DVD and CDR drives, optical juke boxes, etc.

* RoHS Compliant