

# 3.5" SCSI 68-Pin Wide LVD Hard Disk Drive

## RRT-35SHS-LW-HDD

The 3.5" 68-pin SCSI Wide Low Voltage Differential (LVD) Hard Disk Drive (HDD) is a proprietary FPGA based design that provides a long term solution for replacement of obsolete SCSI drives.

The design provides a transparent interface from the SCSI bus to a COTS 2.5" SATA Disk Drive.

The drive can be configured to provide specific capacities for applications that only work with low capacity drives.



## FEATURES INCLUDE

- Drop in replacement for 68-pin SCSI Wide drives with Low Voltage Differential (LVD) interface
- Capacities currently up to 1TB. Larger capacities available as 2.5" COTS drive capacities increase
- Wide SCSI LVD Interface provides transfer rates up to 40 MB/S
- Fast, efficient field replacement
- High density mass storage in 3.5" form factor
- 35% lighter than standard 3.5" SCSI drive
- Compatible with CPU's with a SCSI LVD controller
- Optional onboard termination
- No additional software required
- SCSI ID selection 0 – 15

# Ordering Information

RRT-35SHS-LW - HDD - 250GB - T

## Requirements

### Hard Drive

HDD: Standard  
eHDD: Enterprise Class

### Capacity

Any capacity up to 960GB

## Options (may be left blank)

### Termination

Optional termination

Example: RRT-35SHS-LW-HDD-512MB-T

Example: RRT-35SFA-LW-eHDD-750GB

## 3.5" SCSI 68-pin Wide LVD Hard Disk Drive Specifications

Performance		
Version	HDD	eHDD
Capacities (1,2)	Up to 960GB	
Interface	Ultra SCSI, SCSI2, SCSI1, SCSI	
Sustained Throughput Read/Write	38 MB/s	
Sector Size	512 bytes	
Reliability		
MTBF (3)	500,000 hours	1.4 million hours
Power		
Voltage	+5V +/- 5%	+5V+/-5% +12V+/-5%
Watts-idle	5.5W	7W
Watts-active	8W max	10W max
Environmental		
Temperature operating	5° to 55°C	
Temperature storage	-40° to 70°C	
Relative Humidity	5% to 95%	
Altitude	10,000 ft (3,000 meters)	
Shock	350g 2 millisecond	40g 2 millisecond
Vibration	1.0G (0 to peak) 5Hz to 500Hz	0.5G (0 to peak) 5Hz to 500Hz
Physical		
Form Factor	3.5" drive	
Weight	15 oz. max (420g)	
Dimensions (W x L x H)	4.0" x 5.9" x 1.6" (101.6mm x 149.9mm x 40.6mm)	
(1) Larger capacities available as new COTS 2.5" drives released.		
(2) Capacity can be limited for systems that do not support larger capacities.		
(3) <b>Telcordia</b> SR-322, Issue 3, operating temp (40° C), electrical stress (50%), environmental factor (1.0)		

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