

3.5" SCSI 50-Pin Narrow Hard Disk Drive



RRT-35SHS-SN

The 3.5" SCSI 50-pin Narrow 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 HDD.

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

FEATURES INCLUDE

- Drop in replacement for obsolete 50-pin Narrow SCSI drives
- Standard 3.5" form factor
- Capacities currently up to 1.5TB
- Ultra SCSI transfer rates up to 20 MB/s
- Single Ended (SE) interface
- Compatible with CPUs with a SCSI SE controller
- SCSI termination can be enabled within unit
- No additional software required
- SCSI ID selection 0 – 7

Ordering Information

RRT-35SHS-SN-HDD - **120GB** - **SECTORSIZE1024**

Requirements

Capacity

Capacities up to 1.5TB

Options MAY BE LEFT BLANK

Sector Size (512 byte default sector size)

256, 768, 1024, or any value

Example: RRT-35SHS-SN-HDD-512MB-SECTORSIZE768

Example: RRT-35SHS-SN-HDD-320GB

3.5" SCSI 50-pin Narrow HDD Specification

Performance	
Version	HDD
Capacities (1)	Up to 1.5TB
Interface	Narrow 8-bit Single Ended (SE) Ultra SCSI, SCSI2, SCSI1
Sustained Throughput Read/Write	19 MB/s
Sector Size	512 native, custom sector sizes available
Reliability	
MTBF	500,000 hours
Power	
Voltage	+5V +/- 5%
Watts-idle	5W
Watts-active	7W 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
Vibration	1.0 G (0 to peak) 5 Hz to 500 Hz
Physical	
Form Factor	3.5" drive
Weight	15 oz. max (420g)
Dimensions (W x L x H)	4.0" x 5.75" x 1.0" (101.6mm x 146.1mm x 25.4mm)
(1) Larger capacities available as new COTS 2.5" drives released	

Red Rock Technologies, Inc. reserves the right to modify, change or discontinue specific products within its product line at its own discretion. Red Rock Technologies, Inc. does not assume any liability resulting from the application or use of its products. The information contained herein has been checked and is believed to be entirely accurate, however, no responsibility is assumed for inaccuracies.

"Red Rock Technologies" and the mountain logo are registered trademarks of Red Rock Technologies, Inc.

© Copyright 2016 Red Rock Technologies, Inc. All rights reserved. (Rev. 02/24/2016)

206 West Julie Drive - Suite 2, Tempe, AZ 85283 | United States of America

Tel: 480-483-3777 | Toll Free: 1-800-808-7837

www.redrocktech.com | info@redrocktech.com

© Copyright 2016 Red Rock Technologies, Inc.

