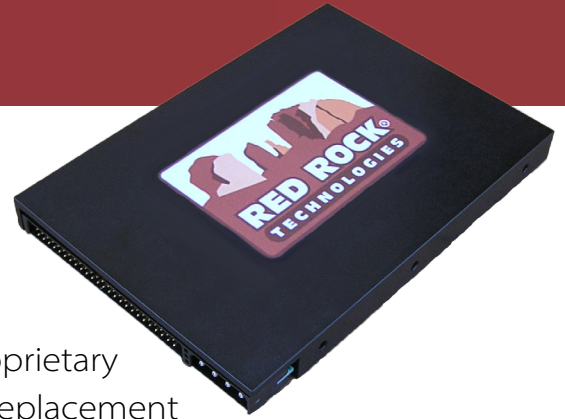


3.5" SCSI 50-Pin Narrow Low Profile Solid State Drive

RRT-35SFS-SN-LP



The 3.5" SCSI 50-pin Narrow Solid State Drive (SSD) 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 SSD.

Custom firmware provided for SCSI systems that require specific command responses, capacities or sector sizes. A built-in debug monitor can be used to diagnose issues and update firmware.

FEATURES INCLUDE

- Drop in replacement for obsolete 50-pin Narrow SCSI drives
- Solid State technology
- Standard 3.5" form factor
- Capacities currently up to 120GB
- Ultra SCSI transfer rates up to 20 MB/s
- Single Ended (SE) Interface
- Commercial and extended temperature versions available
- Rugged version available for high shock & vibration environments
- Options for discrete controlled secure erase and drive destroy
- Compatible with CPU's with a SCSI SE controller
- SCSI termination can be enabled within unit
- No additional software required
- SCSI ID selection 0 – 7

Ordering Information

RRT-35SFS-SN-LP - SLC - 120GB - UR - X

Requirements

NAND FLASH Type

SLC = Single Level
MLC = Multi Level

Capacity

Any capacity up to 120GB

Options May be left blank

Conformal Coating

UR = Polyurethane
AR = Acrylic

Extended Temperature Range

X = -40°C to 85°C

Example: RRT-35SFS-SN-LP-MLC-120GB

Example: RRT-35SFS-SN-LP-SLC-4.3GB-UR-X

3.5" SCSI 50-pin Narrow Low Profile Specifications

Performance	
Interface	SE Ultra SCSI, SCSI2, SCSI1
Sustained Throughput Read/Write	19 MB/s
Sector Size	512 bytes
Reliability	
MTBF (3)	3 million hours
Power	
Voltage	+5V +/- 5%
Watts-idle	3W
Watts-active	4W max
Environmental	
Temperature operating	0° to 70°C
Temperature operating - Extended	-40° to 85°C
Temperature storage	-50° to 95°C
Relative Humidity	5% to 95%
Altitude	80,000 ft (24,000 meters)
Shock	50g 11 millisecond
Vibration	12.0Grms 20Hz to 2000Hz
Physical	
Form Factor	3.5" drive
Weight	8 oz. Max (230 g)
Dimensions (W x L x H)	4" x 5.75" x 0.525" (101.6 mm x 146.1 mm x 13.4 mm)
(1) Telcordia SR-322, Issue 3, operating temp (40° C), electrical stress (50%), environmental factor (1.0)	

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