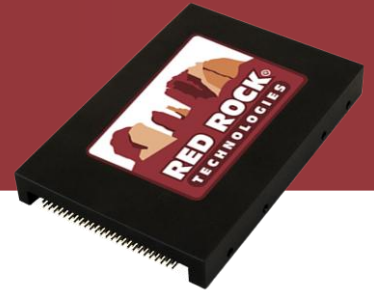


2.5" SCSI 50-Pin Narrow Solid State Drive



RRT-25SFS-SN

The 2.5" 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 CompactFlash.

Custom firmware provided for SCSI systems that require specific SCSI 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 2.5" form factor
- Capacities currently up to 240GB
- 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
- 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-25SFS-SN - **SLC** - **120GB** - **UR** - **X** - **R**

Requirements

NAND FLASH Type

SLC - Single Level Cell
MLC - Multi Level Cell

Capacity

Any capacity up to 240GB

Options May be left blank

Conformal Coating

UR - polyurethane
AR - acrylic

Extended Temperature Range

X - -40°C to 85°C

Shock/Vibration

R - Rugged version with extended shock/vibration specifications

Example: RRT-25SFS-SN-SLC-512MB

Example: RRT-25SFS-SN-MLC-120GB -UR-X-R

Example: RRT-25SFS-SN-SLC- 4.3GB

2.5" SCSI 50-pin Narrow SSD Specifications

Performance		
Version	SLC	MLC
Capacities (1)	Up to 60GB	Up to 740GB
NAND FLASH Type	SLC	MLC
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-Drive (in hours)(2)	2 million	1 million
Endurance (100GB SSD) Total Bytes Written	350TB	70TB
Power		
Voltage	+5V +/- 5%	
Watts-idle	3W	
Watts-active	4W max	
Environmental		
Temperature operating	0° to 70°C	
Temperature storage	-40° to 85°C	
Extended Temperature operating	-40° to 85°C	
Relative Humidity	5% to 95%	
Altitude	80,000 ft (24,000 meters)	
Shock	50g 11 millisecond	
Shock - Rugged	1500g 0.5 millisecond	
Vibration	12.0 Grms 20 Hz to 2000 Hz	
Vibration - Rugged	16.3 Grms 20 Hz to 2000 Hz	
Physical		
Form Factor	2.5" drive	
Weight	3 oz. max (84.2g)	
Dimensions (W x L x H)	2.8" x 3.9" x 0.5" (70.0mm x 100.0mm x 12.5mm)	
(1) Larger capacities available as new COTS 2.5" drives released		
(2) Telcordia SR-322, Issue 3, operating temp (40° C), electrical stress (50%), environmental factor (1.0)		

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