

5.25" SCSI 50-Pin Narrow with Removable CFast™

RRT-525SCSI-SN-R-CFast™

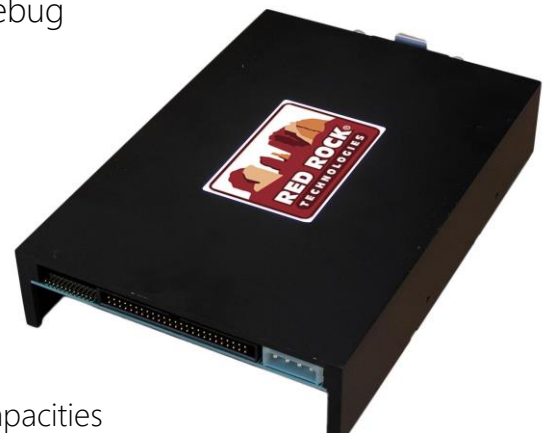
The 5.25" SCSI 50-pin Narrow with removable CFast™ is a proprietary FPGA based design that provides a long term solution for replacement of obsolete SCSI floppy, tape (DAT), magneto optical (MO), CD, DVD and PC card drives. Designed to provide mechanical form, fit, function replacement for COTS 5 ¼" SCSI MO drives.

The design provides a transparent interface from the SCSI bus to a COTS CFast™ card.

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 and update firmware.

FEATURES:

- Drop in replacement for obsolete 50-pin Narrow SCSI drives
- Standard 5.25" form factor, mechanically the same as COTS SCSI MO drives
- Capacities currently up to 512GB; options for custom CFast™ capacities
- Ultra SCSI transfer rates up to 20 MB/s
- Single Ended (SE) interface
- Emulations for SCSI floppy, SCSI magneto optical (MO), SCSI CD, SCSI DVD, SCSI DAT tape and SCSI PC card
- Compatible with CPUs with a SCSI SE controller
- SCSI termination can be enabled within unit
- No additional software required
- CFast™ with write protect switch available
- SCSI ID selection 0 – 7
- ROHS compliant



Ordering Information

RRT-525SCSI-SN-R-CFast - FLOPPY - UR - X - SECTORSIZE1024

Options May be left blank

Emulation

Floppy – Floppy Drive
MO – Magneto Optical
DAT – Tape Drive
CD – CD Drive
DVD – DVD Drive

Conformal Coating

UR – polyurethane
AR – acrylic

Extended Temperature Range

X – -40°C to 85°C

Sector Size (512 byte default sector size)

256, 768, 1024, or any value

Example: RRT-525SCSI-SN-R-CFast

Example: RRT-525SCSI-SN-R-CFast-UR-X-SECTORSIZE256

Example: RRT-525SCSI-SN-R-CFast- FLOPPY

Ordering Information – CFast™ Drive

RRT-CFast - SLC - 512GB - X - WP

Requirements

NAND FLASH Type

SLC - Single Level
MLC - Multi Level

Capacity in MB or GB

Any capacity up to 512GB

Options May be left blank

Extended Temperature Range

X – -40°C to 85°C

Write Protect

WP - Write Protect

Example: RRT-CFast-MLC-512GB

Example: RRT-CFast-SLC-15GB-X

Example: RRT-CFast-MLC-128GB-WP

5.25" SCSI 50-pin Narrow with Removable CFast™ Specifications

Performance	
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	3 million hours
Power	
Voltage	+5V +/- 5%
Watts-idle	3W
Watts-active	4W max
Environmental	
Temperature operating	0° to 70°C
Temperature storage	-40° to 85°C
Relative Humidity	5% to 95%
Altitude	80,000 ft (24,000 meters)
Shock	50g 11 millisecond
Vibration	12.0 Grms 20 Hz to 2000 Hz
Physical	
Form Factor	5.25" drive
Weight	21.1 oz. max (597.5g)
Dimensions (W x L x H)	8.4" x 5.75" x 1.7" (214.4mm x 146.1mm x 42.4mm)

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