

3.5" SCSI 50-Pin Narrow with Removable CFast™

RRT-35SCSI-SN-R-CFast™

The 3.5" 50-pin SCSI 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.

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 issues and update firmware.



FEATURES:

- Drop in replacement for obsolete 50-pin Narrow SCSI drives
- Hot-swap Removable CFast™
- Standard 3.5" form factor
- Capacities currently up to 512GB
- Ultra SCSI transfer rates up to 20 MB/s
- Single Ended (SE) interface
- Emulations for SCSI floppy, SCSI Magneto Optical (MO), SCSI DAT Tape, SCSI CD, SCSI DVD and SCSI PC Card
- Commercial and extended temperature versions available
- Compatible with CPUs with a SCSI SE controller
- SCSI termination can be enabled within unit
- CFast with write protect switch available
- No additional software required
- SCSI ID selection 0 – 7

Ordering Information – 3.5" SCSI 50-Pin Narrow with Removable CFast™

RRT-35SCSI-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-35SCSI-SN-R-CFast-UR-X-SECTORSIZE256

Example: RRT-35SCSI-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

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



3.5" 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 bytes or custom sector size
Reliability	
MTBF (1)	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
Extended Temperature operating (2)	-40° to 85°C
Relative Humidity (3)	5% to 95%
Altitude (4)	80,000 ft (24,000 meters)
Shock (5)	50g 11 millisecond
Vibration (6)	12.0 Grms 20 Hz to 2000 Hz
Physical	
Form Factor	3.5" drive
Weight	10.85oz. max (307.6g)
Dimensions (W x L x H)	4" (101.6mm) X 6.6" (167.6mm) with retainer, 6" (152.4mm) (without retainer) X 1" (25.4mm)
(1) Telcordia SR-322, Issue 3, operating temp (40° C), electrical stress (50%), environmental factor (1.0)	

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