



RRT-35SCSI-SN-R-CFast-DAT 3.5" SCSI 50-Pin Narrow with Removable CFast for Tape Drive Replacements

THE 3.5" 50-PIN SCSI NARROW WITH REMOVABLE CFAST FOR TAPE DRIVE REPLACEMENTS uses a proprietary FPGA-based design that provides a long term solution for replacement of obsolete SCSI DAT drives; HP DDS, Tandberg SLR, DEC TLZ. Mechanically compatible with 3.5" 1.625" high DAT 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.

- Drop in replacement for obsolete SCSI drives
- 50-pin Narrow 8-bit Single Ended (SE) Ultra SCSI interface
- Hot-swap Removable CFast
- Built-in debug monitor for diagnostics and updates to firmware
- Standard 3.5" form factor mechanically compatible with 3.5" 1.625" high SCSI tape drives
- Transfer rates up to 20 MB/s
- Capacities up to 1TB
- Emulations for various SCSI Tape drives
- Extended temperature option
- SCSI termination can be enabled within unit
- CFast with write protect switch available
- ROHS Compliant
- SCSI ID selection 0 – 7
- US-Based Engineering and Manufacturing
- In-house Technical Support



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Ordering Information

3.5" SCSI with Removable CFast

RRT-35SCSI-SN-R-CFast-DAT- **UR** - **X**

Options May be left blank

Conformal Coating

UR Polyurethane
AR Acrylic

Extended Temperature Range

X -40°C to 85°C

ORDER EXAMPLES

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

CFast Card

RRT-CFAST- **SLC** - **8GB** - **X** - **WP**

Requirements

NAND Flash Type

SLC Single Level Cell
MLC Multi Level Cell
TLC Tri Level Cell (3D)

Capacity

4GB - 64GB SLC
8GB - 512GB MLC
32GB - 1TB TLC

Options May be left blank

Write Protect

WP Write Protect

Extended Temperature Range

X -40°C to 85°C

ORDER EXAMPLES

RRT-CFAST-MLC-512GB
RRT-CFAST-SLC-8GB-X-WP



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Product Specifications

3.5" SCSI 50-PIN NARROW WITH REMOVABLE CFAST FOR TAPE DRIVE REPLACEMENTS

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 - DRIVE CARRIER ¹	3 million hours
POWER	
VOLTAGE	+5V +/- 5%
WATTS (IDLE)	3 W
WATTS (ACTIVE)	4 W max
ENVIRONMENTAL	
OPERATING TEMP.	0 °C to 70 °C
EXTENDED OPERATING TEMP.	-40°C to 85°C
STORAGE TEMP.	-40°C to 85°C
ALTITUDE	80,000 ft. (24,000 meters)
RELATIVE HUMIDITY	5% to 95% non-condensing
SHOCK	50g 11 millisecond
VIBRATION ⁴	12.0 Grms 20 Hz to 2000 Hz
PHYSICAL	
FORM FACTOR	3.5" drive
WEIGHT	11 oz. max (312g)
DIMENSIONS	4.0" x 5.9" x 1.6" (101.6mm x 149.9mm x 40.6mm)
NOTES	
(1) Telcordia SR-322, Issue 3, operating temp (40C), electrical stress (50%), environmental factor (1.0).	



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