

# 3.5" SCSI 50-Pin Narrow With Removable CFast™

## RRT-35SCSI-SN-R- CFast-DAT

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 DAT drives; HP DDS, Tandberg SLR, DEC TLZ.

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™
- Emulations for SCSI DAT Drive
- Standard 3.5" form factor
- Capacities currently up to 512GB
- Ultra SCSI transfer rates up to 20 MB/s
- Single Ended (SE) interface
- 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
- ROHS compliant



# Ordering Information - 3.5" SCSI 50-Pin Narrow 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

Example: RRT-35SCSI-SN-R-CFast-DAT

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

# Ordering Information - CFast™

**RRT-CFast** - SLC - 512GB - 2 - 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)

**Write Performance**  
1 - 16MB/s, 2 - 24MB/s, 3 - 33MB/s,  
5 - 50MB/s, 6 - 60MB/s

**Extended Temperature Range**  
X - -40°C to 85°C

**Write Protect**  
WP - Write Protect

Example: RRT-CFast-MLC-512G

Example: RRT-CFast-SLC-60GB-6-X

Example: RRT-CFast-MLC-128GB-2-WP



# 3.5" SCSI 50 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	-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	3.5" drive
Weight	11 oz. max (312g)
Dimensions (W x L x H)	4.0" x 5.9" x 1.6" (101.6mm x 149.9mm x 40.6mm)
(1) Telcordia SR-322, Issue 3, operating temp (40° C), electrical stress (50%), environmental factor (1.0)	

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