

# 3.5" SCSI 50-Pin Narrow With Removable Compact Flash

## RRT-35SFS-SN-R-CF

The 3.5" 50-pin SCSI Narrow with removable Compact Flash 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 compact flash 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 INCLUDE

- Drop in replacement for obsolete 50-pin Narrow SCSI drives
- Hot-swap Removable Compact Flash
- Emulations for SCSI floppy, SCSI Magneto Optical (MO), SCSI DAT Tape, SCSI CD, SCSI DVD and SCSI PC Card
- Standard 3.5" form factor
- Capacities currently up to 120GB
- 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
- No additional software required
- SCSI ID selection 0 – 7
- ROHS compliant

# Ordering Information

**RRT-35SFS-SN-R-CF** - FLOPPY - UR - X - SECTORSIZE1024

Options May be left blank

### Emulation

Floppy  
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-35SFS-SN-R-CF

Example: RRT-35SFS-SN-R-CF-UR-X-SECTORSIZE256

Example: RRT-35SFS-SN-R-CF-FLOPPY

## 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
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## 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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