

3.5" SCSI 68-Pin Wide Differential Solid State Drive (SSD)

RRT-35SFA-HW



Red Rock Technologies, Inc. offers a proprietary FPGA-based design that provides a long-term solution for replacement of obsolete SCSI drives.

FEATURES

- ❖ Drop in replacement for obsolete SCSI drives
- ❖ 68-pin Wide 16-bit Differential Ultra SCSI interface
- ❖ Transfer rates up to 40 MB/s
- ❖ Capacities up to 240GB
- ❖ Commercial and Extended temperature versions available
- ❖ Customizable firmware (modified to work in your system)
- ❖ RoHS compliant
- ❖ US-Based Engineering and Manufacturing
- ❖ In-house Technical Support

3.5" SCSI 68-pin Wide Differential SSD Specifications

PERFORMANCE	
Version	SLC
Capacities ⁽¹⁾	Up to 240GB
NAND Flash Type	SLC
Interface	Wide 16-bit Differential SCSI1, SCSI2, Ultra SCSI
Sustained Throughput Read/Write	38 MB/s
Sector Size	512 byte default, custom sector sizes available
RELIABILITY	
MTBF (hours) ⁽²⁾	2 million
Endurance (100GB SSD) Total Bytes Written	350TB
Data Retention	10 years ⁽³⁾
POWER	
Voltage	+5V ± 5%
Watts-idle	3W
Watts-active	4W max
ENVIRONMENTAL	
Operating Temperature	0°C to 70°C
Storage Temperature	-40°C to 85°C
Extended Operating Temperature ⁽⁴⁾	-40°C to 85°C
Extended Storage Temperature	-40°C to 85°C
Relative Humidity ⁽⁵⁾	5% to 95% non-condensing
Altitude ⁽⁶⁾	80,000 ft (24,000 meters)
Shock	50g 11 millisecond
Vibration	12.0g 20 Hz to 2000 Hz
PHYSICAL	
Form Factor	3.5" drive
Weight	15 oz. max (420g)
Dimensions (W x L x H)	4.0" x 5.75" x 1.0" (101.6mm x 146.1mm x 25.4mm)
(1) Larger capacities available as new COTS 2.5" drives released	
(2) Telcordia SR-332, Issue 3, operating temp. (40°C), electrical stress (50%), environmental factor (1.0)	
(3) SLC 10 years at 10% TBW ramping down to 1 year at 100% TBW	
(4) Thermal qualification	MIL-STD-810F, Method 501, Procedure II, and MIL-STD-810F, Method 502, Procedure II
(5) Relative Humidity qualification	MIL-STD-810F, Method 507
(6) Altitude qualification	MIL-STD-810F, Method 500, Procedure II

Ordering Information

RRT-35SFA-HW - **SLC** - **120GB** - **UR** - **X**

Requirements

NAND Flash Type
SLC Single Level Cell

Capacity
Any capacity up to 240GB

Options May be left blank

Conformal Coating
UR Polyurethane
AR Acrylic

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

Part Order Examples: RRT-35SFA-HW-SLC-120GB-UR-X
 RRT-35SFA-HW-SLC-4.3GB

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