

RRT-35SCSI-SN 3.5" SCSI 50-Pin Narrow Solid State Drive (SSD)

- Drop in replacement for obsolete SCSI drives
- 50-pin Narrow 8-bit Single Ended (SE) Ultra SCSI interface
- Built-in debug monitor for diagnostics and updates to firmware
- Transfer rates up to 20 MB/s
- Capacities up to 1TB
- Military secure erase options
- Extended temperature option
- Rugged versions available
- SCSI termination can be enabled within unit
- SCSI ID selection 0 7
- RoHS compliant
- US-Based Engineering and Manufacturing
- In-house Technical Support

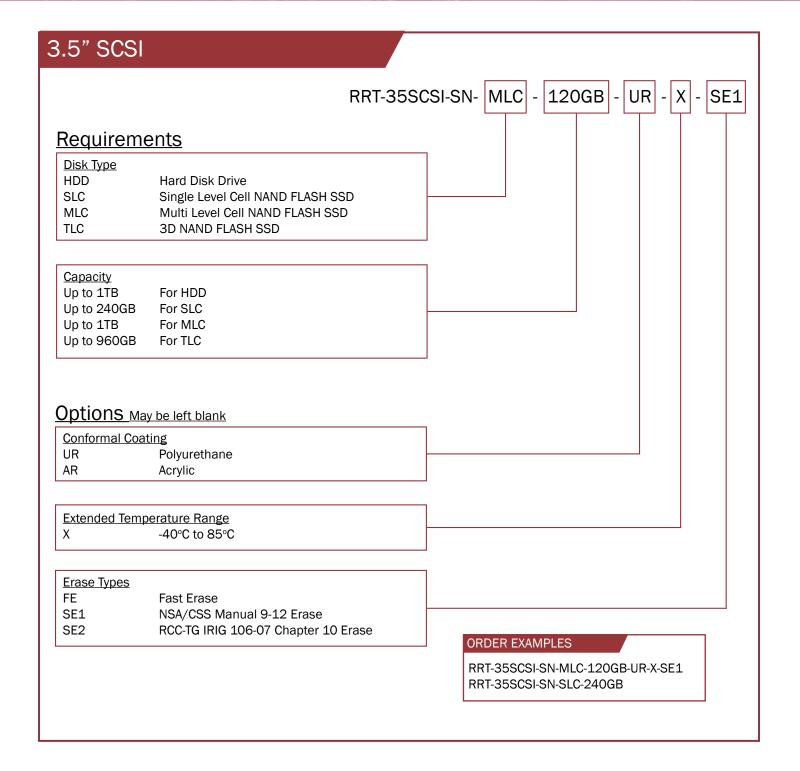


THE 3.5" SCSI 50-PIN NARROW SOLID STATE DRIVE (SSD) uses a proprietary FPGA-based design that provides a long-term solution for replacement of obsolete SCSI drives.

50-pin Narrow Interface



Ordering Information







Product Specifications

3.5" SCSI 50-PIN NARROW SSD

PERFORMANCE					
VERSION	HDD	SSD - TLC	SSD - MLC	SSD - SLC	
CAPACITIES ¹	Up to 1TB	Up to 960GB	Up to 1TB	Up to 240GB	
INTERFACE	Narrow 8-bit Single Ended (SE), SCSI-1, SCSI-2 (Fast), Ultra (Fast-20)				
THROUGHPUT -	19MB/S				
SUSTAINED					
SECTOR SIZE	512 bytes				
RELIABILITY					
MTBF - DRIVE (HOURS) ²	500,000 hours	1 million hours	2 million hours	3 million hours	
ENDURANCE (100GB SSD) TOTAL BYTES WRITTEN	Not applicable	70 TBW	·	350 TBW	
DATA RETENTION	Not applicable	1 year ³		10 years ⁴	
POWER					
VOLTAGE	+5V +/- 5%				
WATTS (IDLE)	1 W	1.2 W	3.5 W	1 W	
WATTS (ACTIVE)	2.5 W	4 W	10 W	2.5 W	
	ENVIRONMENTAL				
OPERATING TEMP.	5°C to 55°C	0°C to 60°C		0°C to 70°C	
EXTENDED OPERATING TEMP.5	Not available		-40°C to 85°C		
STORAGE TEMP.	-40°C to 70°C	-40°C to 85°C		,	
ALTITUDE ⁶	10,000 ft. (3,000 meters)		80,000 ft. (24,000 meters)	80,000 ft. (24,000 meters)	
RELATIVE HUMIDITY ⁷	5% to 95% non-condensing				
SHOCK ⁸	150g 2ms		1000g 0.5ms		
VIBRATION ⁹	1g 5Hz to 500 Hz		16.3g 20 Hz to 2000 Hz		
PHYSICAL					
FORM FACTOR	3.5" drive				
WEIGHT	15 oz. max (420g)				
DIMENSIONS	4.0" x 5.75" x 1.0" (101.6mm x 146.1mm x 25.4mm)				
	,	NOTES	,		
(1) Larger capacities available	as new COTS 2.5" drives r				
(2) Telcordia SR-332, Issue 3, o			rironmental factor (1.0)		
(3) MLC	10 years at 0% TBW ramping down to 1 year at 100% TBW				
(4) SLC	10 years at 10% TBW ramping down to 1 year at 100% TBW				
(5) Thermal qualification	MIL-STD-810F, Method 501, Procedure II, and MIL-STD-810F, Method 502, Procedure II				
(6) Altitude qualification	MIL-STD-810F, Method 500, Procedure I				
(7) Relative Humidity qualification	MIL-STD-810F, Method 507				
(8) Shock qualification	MIL-STD-810F, Method 516, Procedure I, terminal peak saw tooth				
(9) Vibration qualification	(9) Vibration qualification MIL-STD-810F, Method 514, Procedure I				



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