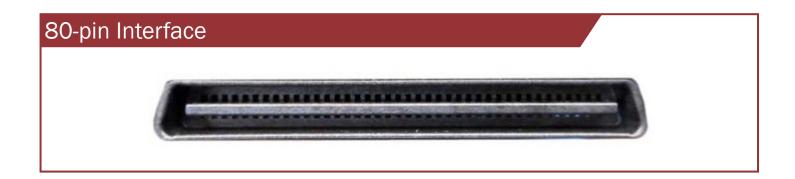


RRT-35SCSI-SC 3.5" SCSI SCA 80-Pin Wide Solid State Drive (SSD)

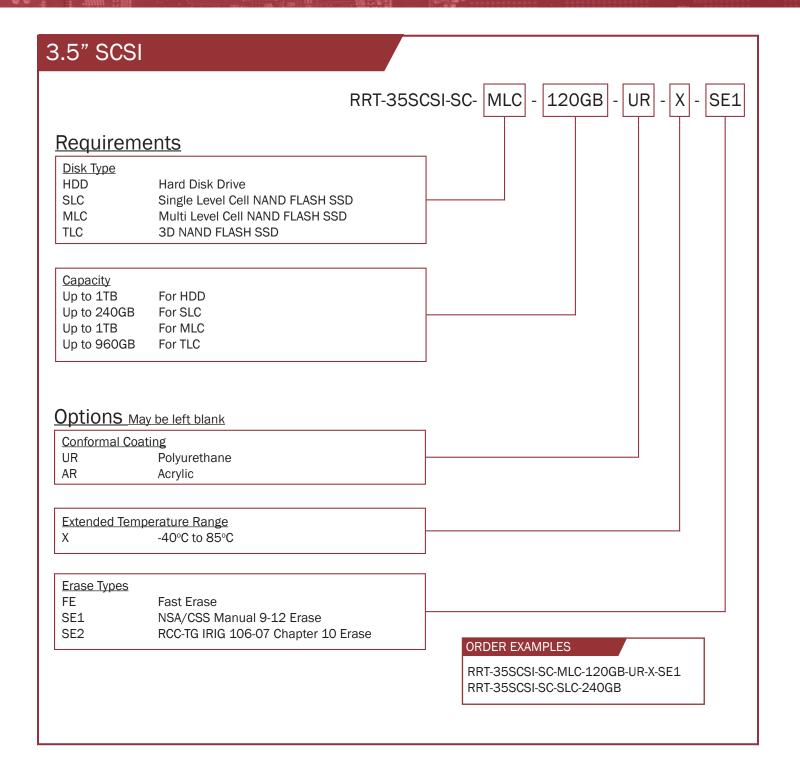
- Drop in replacement for obsolete SCSI drives
- 80-pin Wide 16-bit Single-Ended (SE) Ultra SCSI interface
- Built-in debug monitor for diagnostics and updates to firmware
- Transfer rates up to 40 MB/s
- Capacities up to 1TB
- Military secure erase options
- · Extended temperature option
- Rugged versions available
- SCSI termination can be enabled within
- SCSI ID selection 0 15
- RoHS compliant
- US-Based Engineering and Manufacturing
- In-house Technical Support



THE 3.5" SCSI 80-PIN WIDE SOLID STATE DRIVE (SSD) uses a proprietary FPGA-based design that provides a long-term solution for replacement of obsolete SCSI drives.



Ordering Information









Product Specifications

3.5" SCSI 80-PIN WIDE SSD

PERFORMANCE						
VERSION	HDD	SSD: TLC	SSD: MLC	SSD: MLC-X	SSD: SLC	
CAPACITIES ¹	Up to 1TB	Up to 960GB	Up to 1TB	1	Up to 240GB	
INTERFACE	SCA Wide 16-bit Single Ended (SE), Ultra (Fast-20) Ultra (Fast-40)					
THROUGHPUT - SUSTAINED	38 MB/S					
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	See MLC	0°C to 70°C	
EXTENDED OPERATING TEMP.5	Not available		See MLC-X	-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)			
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	MENSIONS 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 released						
(2) Telcordia SR-332, Issue 3, operating temp. (40°C), electrical stress (50%), environmental 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 MIL-STD-810F, Method 514, Procedure I						



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