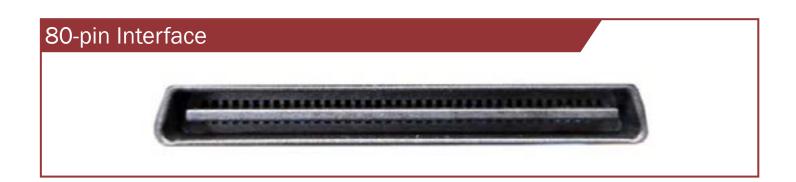


RRT-35SCSI-LC 3.5" SCSI SCA 80-Pin Wide LVD Solid State Drive (SSD)

- Drop in replacement for obsolete LVD SCSI drives
- 80-pin 16-bit Wide Low Voltage Differential (LVD) Ultra 3 SCSI interface
- Built-in debug monitor for diagnostics and updates to firmware
- Transfer rates up to 160 MB/s
- Capacities up to 1TB
- Military secure erase options
- Extended temperature options
- Rugged versions available
- Optional onboard SCSI termination
- SCSI ID selection 0 15
- RoHS compliant
- US-Based Engineering and Manufacturing
- In-house Technical Support



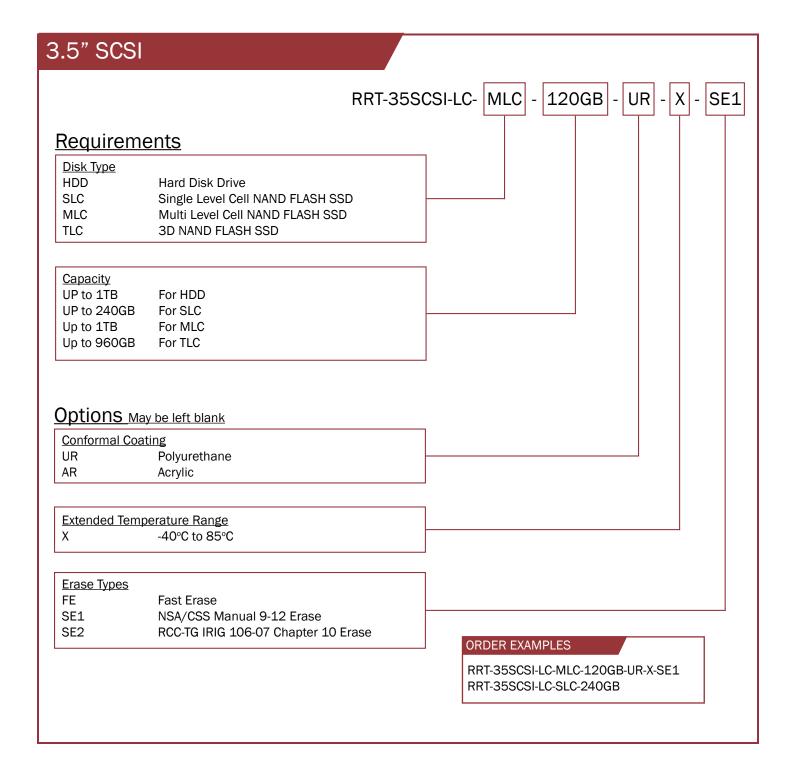
THE 3.5" SCSI 80-PIN WIDE SOLID STATE DRIVE (SSD) uses a proprietary FPGA-based design that provides a long-term solution for replacement of obsolete SCSI drives.







Ordering Information







Product Specifications

3.5" SCSI 80-PIN WIDE LVD SSD

| PERFORMANCE | | | | | |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------|-----------------------|
| VERSION | HDD | SSD: TLC | SSD: MLC | SSD: MLC-X | SSD: SLC |
| CAPACITIES ¹ | Up to 1TB | Up to 960GB | Up to 1TB | • | Up to 240GB |
| INTERFACE | SCA 16-bit Wide LVD (Low Voltage Differential) | | | | |
| | Ultra (Fast-20), Ultra 2 (Fast-40), Ultra 3 (Fast-80) | | | | |
| THROUGHPUT - SUSTAINED | 100 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 year³ | | | 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) 8 | | | 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 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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