

Ruggedized Shock/Vibration Immune SATA Connector Family

Available as an Option for the TRRUST-Stor™ Secure Storage Device

The Microsemi TRRUST-Stor™ solid state drive is now available with an optional ruggedized SATA connector that solves shock and vibration issues prevalent in defense and industrial applications. Specially designed for hostile environments, these connectors withstand conditions for which industry-standard SATA connectors are inadequate. A unique contact and pin design eliminates pin fretting and intermittent disconnects to assure long-term dependability. Available in several form factors, from board-mount to cable sets, the connector family provides a complete vibration-resistant solution for applications where solid performance and zero downtime are key requirements. These ruggedized connectors make TRRUST-Stor the ultimate solid state solution for mission critical applications.

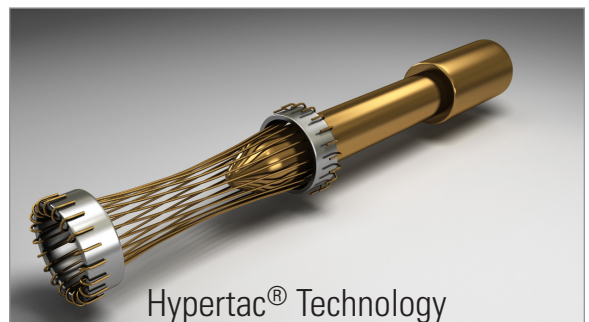
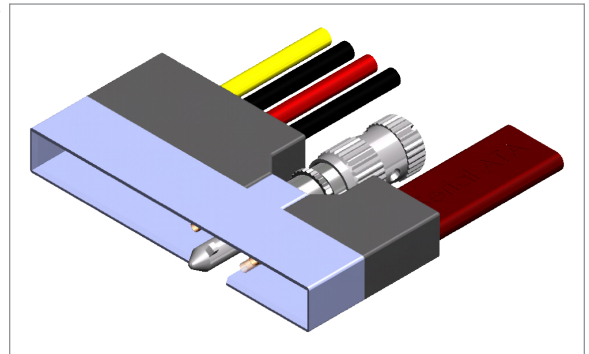
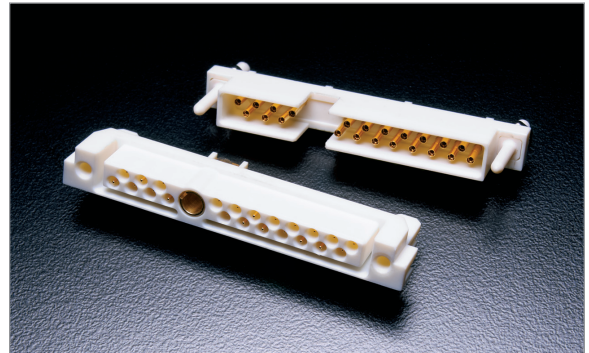
Product Features

- Wire basket contact design
- 360° of contact points
- 50% lower contact resistance than conventional designs
- Vibration and shock immune
- Minimum of 100,000 insertions with little to no performance degradation
- Contact plating: 50 micro inches gold over nickel
- Available in right angle, vertical, straddle mount and cable set configurations
- Locking mechanism
- Supports SATA rates to 6 Gb/s
- PCB straddle mount has the same envelope and PCB footprint as part number 3M 5622-6309ML

Applications

- Defense and aerospace
- Industrial applications
- Enterprise storage applications
- Ruggedized mobile systems
- Surveillance, avionics, navigation
- Ruggedized portable storage applications

* This product is under development, is not qualified or characterized and is subject to change without notice.



Hypertac® Technology

Hypertac® is a registered trademark of Hypertronics Corporation

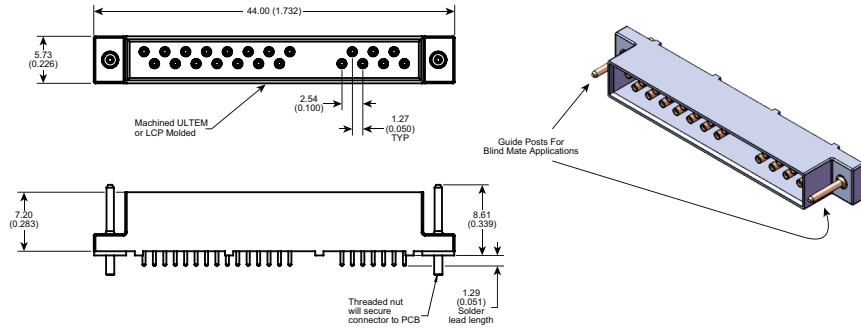


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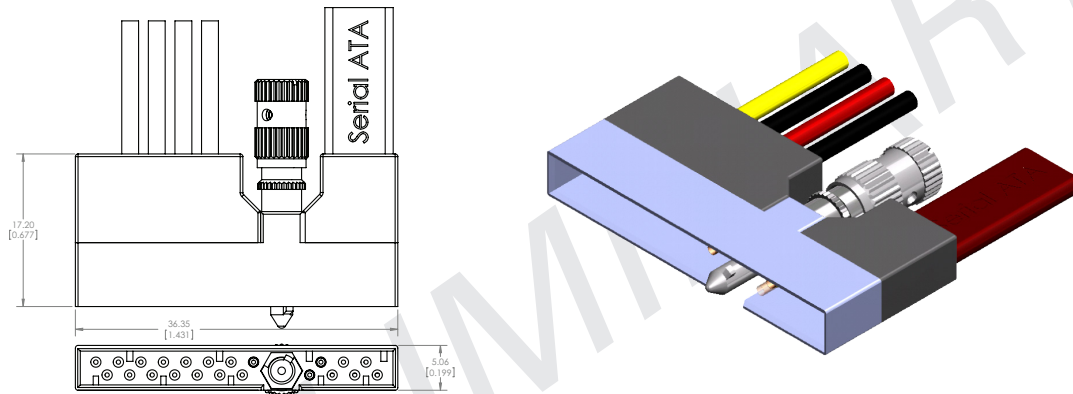
Connector Dimensions

PCB Vertical Mount Through Hole Connector



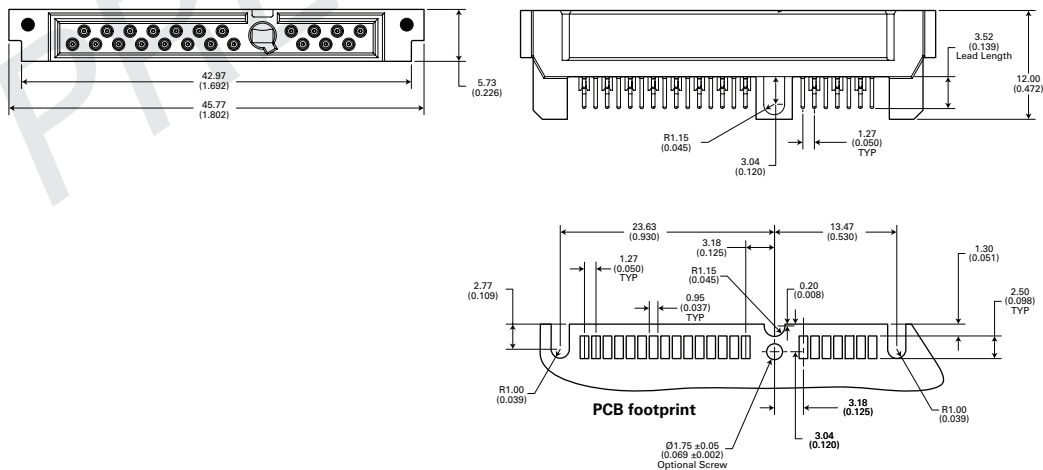
All linear dimensions are millimeters and parenthetically in inches

Cable Set Configuration



All linear dimensions are millimeters and parenthetically in inches

PCB Straddle Mount SMT Connector



All linear dimensions are millimeters and parenthetically in inches



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