SPACE-GRADE HERMETIC CONNECTORS 38999 CLASS H

HSC HERMETIC SEAL™ / S SEALTRON™

AMETEK
ENGINEERED INTERCONNECT AND PACKAGING

Best service and quality for our customers

After decades of designing and manufacturing commercial and military grade aerospace connectors, AMETEK Engineered Interconnect & Packaging (EIP) has optimized and qualified a line of high-performance connectors specifically for use in space applications.

Proven pedigree

- Connectors for all major rockets
- Electronic and optical packages and for satellites
- Upgraded Environmental Lite Support System, connectors and headers to all sections of the International Space Station
- Hermetic Seals on the original Mars Rover
- Connectors used in space suits
- Artemis Moon to the Constellation Project





MIL-DTL-38999, Contact styles P, X and C

- Series I - MS27469, MS27470, MS27471
- Series II - MS27475, MS27476, MS27477, MS27478
- Series III - D38999/21, D38999/23, D38999/25, D38999/27
- Passivated stainless-steel bodies

Note: These solutions are qualified to MIL-DTL-38999, Class H.

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Robust Performance in Space Applications

- In the vacuum of space, volatiles from construction materials condense on optics and electronics, degrading their performance or causing failures.
- SEALTRON and Hermetic Seal outgas space grade connectors in a hard vacuum for 24 hours, eliminating the volatiles from the connector.
- Testing of the outgassed elastomeric materials to ASTM E-595 revealed levels of Total Mass Loss of less than 1.0%, Collected Volatile Condensable Materials of less than 0.1%, and Water Vapor Recovered of less than 1%.
- Hermetic Seal & SEALTRON vacuum furnaces can achieve a maximum operating temperature of 1343°C (2450°F) at 5x10-6 torr vacuum, suitable for your special processes.



Hermetic Seal is the premier designer and manufacturer of high reliability hermetically sealed, custom electrical interconnect solutions. Our custom hermetic seals are used in sensing and actuating systems in the most demanding aerospace, defense, and space applications.

SEALTRON is the leading, high-quality, high-volume circular hermetic connector manufacturer and specialist in qualified commercial and MIL-STD connectors for a wide range of applications. SEALTRON is Qualified Products Listed (QPL'd) on the most significant Mil-Spec glass-to-metal-sealed connector types in the aerospace industry.

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