

SPACE GRADE HERMETIC CONNECTORS 38999 CLASS H



4232 Temple City Blvd
Rosemead, CA 91770
marisa.padilla@ametek.com
Tel: 626-443-6610



9705 Reading Road
Cincinnati, OH 45215
susan.wyatt@ametek.com
Tel: 513-733-8400

After decades of producing commercial and military grade aerospace connectors, AMETEK has optimized and qualified a line of high-performance connectors specifically for use in space applications.

AMETEK is pleased to announce these solutions are qualified to MIL-DTL-38999, Class H as of March 30, 2021.

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

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.



<https://hermeticseal.ametek-ecp.com/>

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ELECTRONIC COMPONENTS
AND PACKAGING