

# SPACE GRADE HERMETIC CONNECTORS

## 38999 CLASS H



### BEST SERVICE AND QUALITY FOR OUR CUSTOMERS

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.

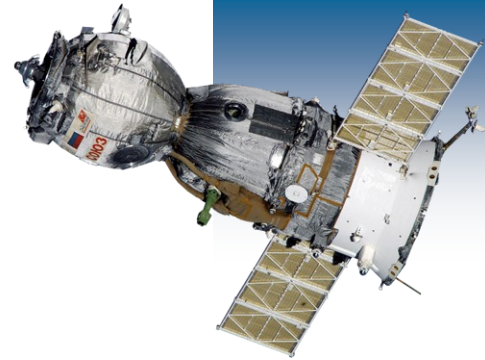
AMETEK is pleased to announce these solutions are qualified to MIL-DTL-38999, Class H as of March 30, 2021.

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<sup>-6</sup> torr vacuum, suitable for your special processes.



**AMETEK**<sup>®</sup>  
ELECTRONIC COMPONENTS  
AND PACKAGING



#### Hermetic Seal Corporation

Tel: 626-443-8931  
4232 Temple City Blvd  
Rosemead, CA 91770  
Fax: (626)443-6610  
Email: [marisa.padilla@ametek.com](mailto:marisa.padilla@ametek.com)

#### Sealtron Inc.

Tel: 513-733-8400  
9705 Reading Road  
Cincinnati, OH 45215  
Email: [susan.wyatt@ametek.com](mailto:susan.wyatt@ametek.com)