



Amphenol D38999 G Class Series III Connectors Now Available From Powell Electronics, Inc.

Powell Electronics, Inc., a leading authorized distributor of Amphenol Aerospace connectors, is pleased to announce availability of D38999, Series III, Class "G" connectors for space and aerospace applications with vacuum degassing procedure!

Space Grade Connector Degassing

- Amphenol Space Grade Connectors with Vacuum Degassing Procedure
- D38999 "G" Class Series III
- (453) & (467) in Commercial JT's & LJT's, TV Series III
- Electroless Nickel
- 48 hour Salt Spray Plating
- 200°C (392°F) Temperature Rating

Contact Powell

- Phone 1-800-235-7880
- Fax 1-888-467-6935
- www.powell.com
- info@powell.com

What Is Vacuum Degassing?

Degassing (or gas-off) is required of connectors and other components in space applications. As the name implies, the connectors must go through a vacuum outgassing procedure to remove harmful materials, per rigorous NASA or military specifications.

Why Is This Important In Space?

While these construction materials are normal on earth based applications, they can become extremely hazardous in a space vacuum environment. Chemical or organic substances trapped inside materials (plastic, glue, coatings, etc.) could evaporate in the vacuum of space and re-condense on a cooler surface. These surfaces might include optical or electronics components whose performance could be impaired or damaged by this surface condensation.

How Is Degassing Accomplished?

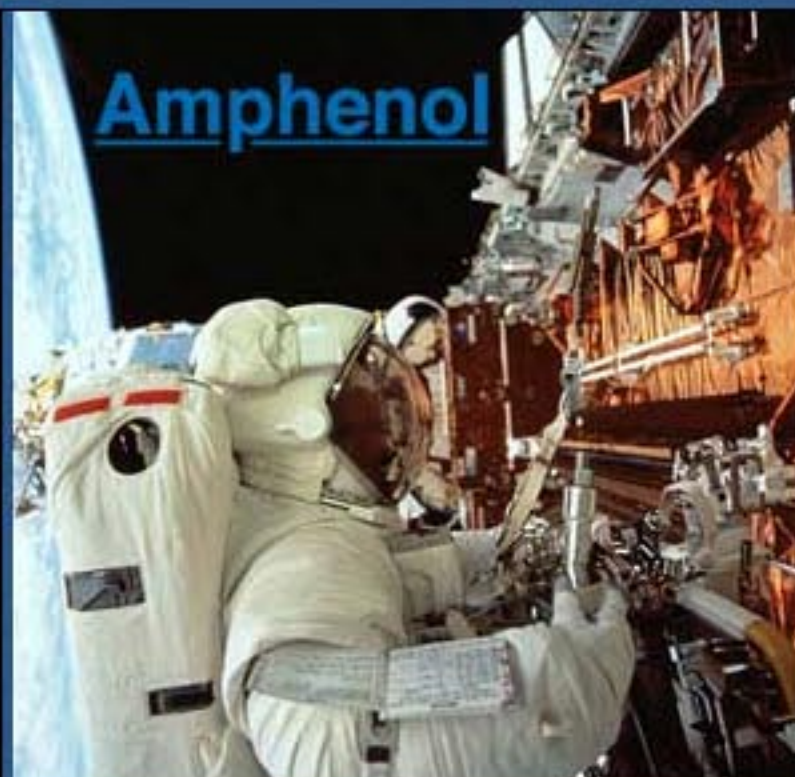
Assembled connectors are "baked" at high temperature in a high-vacuum environment to evaporate and extract potentially harmful substances trapped inside the normal construction materials. Powell vacuum oven system can achieve a maximum operating temperature of 300°C (572°F) at 10^{-6} torr vacuum range to meet the needs of any space qualification specification.

Does Every Connector Distributor Have This Capability?

No. This is a very specialized value-added capability that Powell is pleased to offer its customers.

About Powell Electronics

Headquartered in Swedesboro, NJ, our expertise lies in the value-added assembly, materials management and distribution of Amphenol Aerospace electronic connectors and related components. Powell is one of the oldest and most established suppliers of electronic components and has been serving customers in the military, aerospace and commercial electronic markets for over 60 years. Powell is a QPLED supplier of Amphenol and is ISO 9001:2000 registered and AS9100 certified. For more information about Powell, please contact us at 1-800-235-7880 or visit us on the web www.powell.com.



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