

Amphenol D38999 G Class Space Grade Connectors

ICC now has the capability to value-add outgassed connectors for Amphenol D38999. These “space grade” connectors are baked in a high temperature, high vacuum oven to remove potentially harmful substances before being launched into space. These connectors meet NASA and Military specifications.

WHAT IS OUTGASSING?

Outgassing/vacuum degassing is required for connectors that are used in space or vacuum applications. Non-Metallic materials such as elastomer/rubber, polymer/plastic, and epoxy/adhesive can contain Volatile Organic Compounds (VOC's) that will release slowly over time. Outgassing speeds up the release of these compounds by baking the VOC's out of the connector, resulting in a connector with significantly reduced VOC's, minimizing the risk of harmful outgassing. This process is per NASA, ESA or military specifications.

WHY IS OUTGASSING IMPORTANT?

If VOC's release naturally while in orbit through evaporation, the VOCs will re-condense on other surfaces and can quickly degrade equipment and render them inoperable, jeopardizing the mission.

HOW DOES OUTGASSING WORK?

Connectors are “baked” at high temperatures in a high-vacuum environment in order to extract the VOC's.

APPLICATIONS

- LEO Satellites
- Manned/Unmanned Space Vehicles
- Robotics
- Launch Systems
- Mission Control

PART IDENTIFICATION AND LEAD TIME

- ▶ Military part numbers - D38999/2*G****, otherwise known as “G Class”
- ▶ Commercial part numbers beginning LJT, JT, or TV ending with a suffix of “453” or “467”
- ▶ Lead time for stock to build connectors is 15 days



Interstate Connecting Components (ICC) is a world-class distributor of electronic connectors, fiber optic connectors, accessories and tools, cable marking systems and supplies, and interconnect contacts. ICC supplies leading defense contractors and commercial manufacturers worldwide, serving first-, second-, and third-tier OEMs in the aerospace, shipbuilding, avionics, telecommunications, and broadcast markets. ICC's quality management system is certified to the requirements of AS9100D and ISO 9001:2015. Headquartered in Lumberton, NJ, ICC now has the capability to value-add outgassed connectors for Amphenol D38999. For more information, contact us at 1-800-422-3911, or visit our website: www.connecticc.com.