

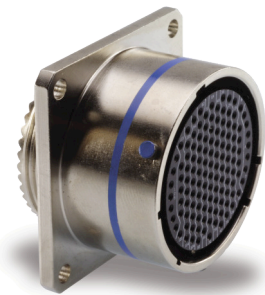
APPLICATION NOTE

www.ittcannon.com

38999-Style Connector for Industrial Applications

The Challenge

A petroleum customer was designing exploration equipment and was looking for a reliable interconnect solution for both signal and RF contacts. The challenge was that the interconnection must perform well under severe environmental conditions such as high temperature, shock resistant, corrosion resistant as well as sand and dust resistant.



Product Features

- Corrosion-resistant shells of aluminum alloy with cadmium over nickel plating withstand a 500 hour salt spray exposure
- Rear release snap-in crimp contacts
- 100% scoop proof - Series I and Series III
- Light weight/Low Profile – Series II
- High shock and vibration resistance
- Superior EMI shielding
- Environment-resistant
- Contact size up to 128 Contacts
- Space Grade Available

The ITT Cannon Solution

The Cannon 38999-Style series connector is designed to be comparable to the MIL-DTL-38999 standard. This reliable, high performance connector is perfectly suited harsh environment industrial applications. It is highly engineered to be comparable to Mil-DTL 38999 series I, II and III and offers features to meet many different industrial/commercial needs.

Benefit to Customer

- Blind Mate
- Bayonet Coupling (Series I & II) and Threaded Coupling (Series III) which enables quick connect
- Durable and reliable interconnection designed to be comparable to MIL-DTL-38999
- Special/custom capabilities

Applications

- Avionics
- Military Aircraft
- Commercial Aircrafts
- Satellites
- Industrial equipment

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Our facility is not currently certified by the DLA and this product is not covered by the QPL/QML.