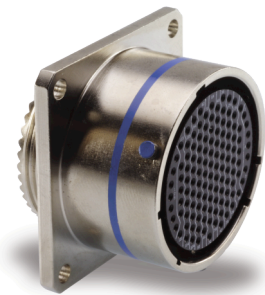


APPLICATION NOTE

www.ittcannon.com**38999 Connector for Industrial Application****May 2009**

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 Solution ...

The Cannon 38999 series connector is designed according to MIL-DTL-38999 standard which meets the most stringent military requirement. This high standard military grade connector is perfectly suited for this type of specific industrial application. It fulfills the tough requirements of Mil-DTL 38999 series I, II and III and offers features to meet many different industrial/commercial needs.

Applications

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

Benefit to Customer

- Blind Mate
- Bayonet Coupling (Series I & II) and Threaded Coupling (Series III) which enables quick connect
- Durable and reliable interconnection in comply with MIL-DTL-38999 requirement
- Special/custom capabilities

For application assistance, please contact:

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