



Mil-Con Data Connectors

Product Description



Designed to meet harsh environmental requirements where high thermal and corrosion resistance is imperative, Mil-Con's Data Connectors provide superior performance, reliability, and secure data communications throughout the products' life cycle. Utilizing spring-loaded contacts, mating connectors can be significantly misaligned without impacting performance.

A spring probe system houses individual touchpad contact areas which enable an effective electrical engagement point of contact. The individual touchpad contacts do not contain crevices, thus preventing contaminant accumulation; a desirable feature in critical field conditions. Spring probe contact systems can be a superior solution for ensuring high performance in critical operations requiring high reliability connectors.

Manufactured in the United States with the ability to be produced in Mexico for additional cost savings.

Features

- Meet a minimum of 1 meter immersion. (Contact factory for 20 meter immersion applications).
- Polarized mating.
- Capable of supporting up to CAT5 data transfer rates.
- Available in filtered and non-filtered versions.
- Available in rectangular and custom cylindrical variations.
- Simple and quick coupling.
- Highly reliable.

Applications

- Hand-held radios.
- Data transfer devices.
- Detachable equipment.
- HMI devices.
- Encryption devices.



Mil-Con, Inc.

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Materials and Finishes

Housing: Sandblasted And Passivated Stainless Steel Or Nickel-Plated Selectively Sandblasted Aluminum.

Contacts: Gold-Plated Brass.

Filtering: Electrically Terminated Ceramic.

Insulator: Thermoplastic Or Thermoset Plastic.

Filtering

Selective Filtering Is Available In A Variety Of Capacitance Values And Types.

Configuration

Both Plugs And Receptacles.

9-38 Pins Available.

PCB Or Solder Cup Terminals (Depending On Connectors' Gender).

Custom Configurations Possible Based On Customers' Requirements.

Mating Accomplished Via Threaded Mating Thumbwheel Or Bayonet Pins Coupling.

Electrical

Dielectric Withstanding Voltage- 150 VDC.

Insulation Resistance- 1 Gigohm Minimum.

Any Number Of Contacts Could Be Provided With An Electrical Connection To The Housing With Less Than 20 Milliohms Resistance.

Category 5 Data Rates.

Environmental

Operating Temperature Range: From -55°C To +85°C.

Up To 20 Meter Immersion Per Mil-Std-810.

Mil-Std-810 Sand And Dust.

Mil-Std-810 Salt Fog.



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