

# MIL-DTL-38999 Series III



## MIL-DTL-38999 Series III Connector

With a proven history of engineering and manufacturing excellence spanning over 90 years, ITT has delivered a broad range of innovative product solutions that have and continue to enable our customers to meet their most demanding design requirements. ITT's design centers provide time proven high quality products and exceptional service to customers through a global network of field application engineers, sales force and manufacturing facilities.

The D38999 Series III meets the stringent MIL-DTL-38999 specifications and is ideally suited for the harsh environments in military and aerospace. This product line is fully qualified under the MIL-C-39029 standards for contacts, MIL-I-81969 for application tools, and MIL-STD-1560 for insert arrangements.



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### Innovative Interconnect Benefits

- High contact density
- Wire sealing grommets
- Meets all stringent DLA qualifications requirements
- Available Class F (Nickel), Class G and Class W (DD CAD/Nickel) which accommodates up to 500h salt spray resistance.

### Product Features

- Superior EMI shielding provides protection up to 65dB at 10 GHZ 100% scoop proof
- Rear release crimp snap-in contacts
- Interfacial seal inhibits electrolytic erosion of contacts.

### Applications

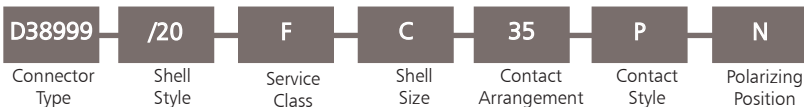
- Military Vehicles
- Defense Electronics
- Commercial & Military Aircraft
- Tactical Communications
- Avionics



# MIL-DTL-38999 Series III Selection Guide

|                 |                 |                    |                   |
|-----------------|-----------------|--------------------|-------------------|
| Max. Voltage    | Max. Current    | Operating Temp     | Durability        |
| 1000 - 2300 VAC | 1.5 - 23.0 Amps | -65° C to + 200° C | 500 Mating Cycles |

MIL-DTL-38999 Series III  
Product Line Talking Dog



|                      |  |
|----------------------|--|
| Connector Type       | D38999 - MIL-DTL-38999 Series III  |
| Shell Style          | D38999/20 - Wall mount receptacle  |
|                      | D38999/24 - Jam nut receptacle   |
|                      | D38999/26 - Straight plug, grounded  |
| Service Class        | F - Electroless nickel (-85°F to +392°F (-65°C to +200°C)), Aluminum   |
|                      | G - Electroless nickel plated. Space Grade, Aluminum   |
|                      | W - Olive drab cadmium over electroless nickel plate (-85°F to +347°F (-65°C to +175°C)), Aluminum   |
| Shell Size           | A, B, C, D, E, F, G, H, J  |
| Contact Arrangements | 9-35, 9-98, 11-5, 11-35, 11-98, 13-8, 13-98, 13-35, 15-5, 15-15, 15-18, 15-19, 15-35, 15-97, 17-6, 17-8, 17-26, 17-35, 19-11, 19-32, 19-35, 21-11, 21-16, 21-35, 21-39, 21-41, 21-75, 23-21, 23-35, 23-53, 23-55, 25-4, 25-19, 25-24, 25-29, 25-35, 25-43, 25-61 |
| Contact Style        | P - Pin contact  |
|                      | S - Socket contact   |
|                      | A - Less Pin contacts*   |
|                      | B - Less Socket contacts*  |
| Polarizing Position  | N (Normal), A, B, C, D, E  |

\* Used only when other than power contacts are to be installed (i.e. shielded thermocouple, etc.)  
 Note: To order MS connectors less standard power contacts, purchase order must state "Less Contacts"

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