

DESCRIPTION

The SCP TV connectors are in accordance with MIL-DTL-38999 series III standard. These connectors offer the highest performance capabilities for both general duty and severe environment applications. Besides the most commonly used aluminium shell, different shell materials are available:

- The composite connector is a lightweight (17 to 70 % weight savings), corrosion resistant (*withstanding 2000 hours of salt spray exposure*) connector
- The nickel aluminium bronze connector offers a high corrosion resistance and robustness for marine applications
- The stainless steel connector provides a firewall capability

The SCP TV connectors range also offers the following specific versions:

- Inserts compatible with size 8 quadax
- Ground Plane version with a conductive insert for specific use with coaxial, triaxial or quadax contacts.
- Receptacles with reinforced sealing
- Hermetic version in Y and N classes
- Filtered versions using tubular or planar technology (please consult us)
- High density inserts with size 23 contacts



MAIN FEATURES

Shell material

- Composite
- Aluminium
- Marine bronze
- Stainless steel

Contact protection

- 100% scoop-proof shell
- Interfacial seal ensures sealing around each contact and prevents electrolytic erosion

Finish

- Olive drab cadmium plating
- Nickel plating
- Passivation (for steel versions)
- ROHS platings available on request (Zinc-Nickel, Nickel-PTFE)

EMI/RFI protection

- Shell to shell bottomin
- Grounding fingers on the plug shell

9 shell sizes from 09 to 25

Contacts

- More than 60 contact arrangements including high density and power versions
- Size 00.4, 8, 10, 12, 16, 20, 22 D 23 contacts (standard contacts are plated 1.27 µm minimum gold)
- Signal, power, twinax, coaxial, quadax contacts, optical

Quick coupling

- completely mates and self locks in a 360° turn of the coupling nut
- Anti-decoupling device allows high vibration performance
- Receptacles are intermountable with MIL-DTL-38999 series I standard (same panel drilling)

APPLICATION

Military and aeronautic applications (battlefield, ground vehicles, aircrafts), & Advanced industrial applications: high vibration requirements, high density. Interchangeability is assured with other manufacturers of the same series

ADD VALUE SERVICES

D38999 SCP TV CONNECTORS are assembled in Spain by SCP (Suministros de conectores Profesionales, S.A.). Average delivery is two (2) weeks, with a special service for emergencies (24/48h).

INTERCONNECTION SOLUTION

SCP offers a global solution for MIL-DTL-38999 S III connectors, and provide a big range of accesories and tools for every interconnection needs: protection caps, backshells, seal EMI gaskets, crimping tools, coax contacts, filters connectors, RJField...

