

Subminiature Cylindrical, cont.

Ground Plane Connectors, MIL-DTL-38999 Series I, II & III Types

Reference Product Data Sheet 139



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
For high speed Data Bus, LAN and coax, triax and twinax data transmission. Incorporates MIL-DTL-38999 receptacle shells with contacts grounded to a metallic insert.	Offers MIL-DTL-38999 type high performance capabilities.	Threaded or bayonet coupling. Uses metal shell of MIL-DTL-38999 Series I, II or III, but with special metallic inserts.	Crimp termination.	Operating temp. from -65°C to $+200^{\circ}\text{C}$. IP67 rating for environmental sealing.

OPTIONAL FEATURES

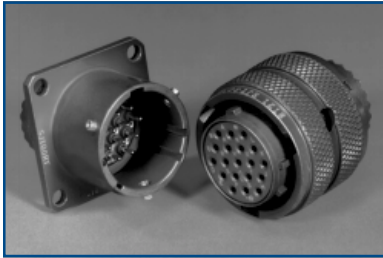
- 40 popular insert patterns that incorporate coax, twinax or triax contacts
- Option of mixing grounded shielded contacts and insulated M39029 signal or power contacts in the same connector.
- Ground plane connectors can be designed into Tri-Start, JT, LJT or SJT Subminiature connectors.
- Stainless steel or composite shells available.

MARKETS

- Military Aerospace
- Commercial Aircraft
- Space Applications
- Military Vehicles
- Medical Equipment

SJT Series, Non-MS 38999 Type

Reference Catalog 12-091



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
SJT Series High performance capability for both general duty and severe environmental applications. Expansion of the basic JT Series, but incorporates scoop-proof design of the LJT Series.	Compliance with European Specifications: PAN6433-2, LN29729, BS9522F0012, VG96912	3 point bayonet coupling and 5 key/keyway mating	Crimp termination. Recessed pins (100% scoop-proof feature minimizes contact damage).	Operating temp. from -55°C to $+200^{\circ}\text{C}$. Operating voltage to 900 VAC (RMS) at sea level.

OPTIONAL FEATURES

- 5 shell styles and over 60 insert patterns.
- Hermetic seal (glass fusion) receptacle styles available.
- High temperature styles available.
- Variety of shell finishes.
- Coax contacts, solderless wrap contacts available.

MARKETS

- Military Aerospace
- Commercial Aircraft
- Military Vehicles
- Medical Equipment

MIL-DTL-38999 Series I & III Power Connectors

Reference Amphenol Socapex Catalogs E116, E117, E122, E123 and Amphenol Aerospace Catalog 12-092.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Same high performance, environmental capability of MIL-DTL-38999 Series I and III, but designed for higher amperage needs.	Meets or exceeds applicable areas of MIL-DTL-38999 Series I and III.	Same bayonet metal shell as MIL-DTL-38999 Series I or threaded metal shell for MIL-DTL-38999 Series III, but with special insert patterns incorporating large size contacts and RADSOK technology for 500 Amps.	Crimp termination.	Operating temp. from -65°C to $+175^{\circ}\text{C}$. IP67 rating for environmental sealing. Operating voltage to 400 VAC (RMS) at sea level. Contact rating: 4 X 60 Amps, 4 X 100 Amps, 1 X 250 Amps and 1 X 500 Amps.

OPTIONAL FEATURES

- 4 shell styles, utilizes special inserts with larger size contacts. for power amperage outputs (from 60 to 500 Amps).
- Available in RNJ configuration (See page 57).

MARKETS

- Batteries
- Connectors between shelters
- Power Supplies