

Amphenol® Miniature Cylindrical Connectors

Proprietary/MIL-DTL-26482, Series 1

Amphenol® Miniature Cylindrical connectors offer twice the number of contacts in just half the size of a Standard connector. These miniature connectors, are available in several series, each with varying design characteristics and customer options to meet cost considerations and provide maximum design flexibility. There are two styles within the family that are MS approved and qualified to MIL-DTL-26482, Series 1, and in addition there are several proprietary styles.

Common features of all styles:

- All are for general duty applications and environmental sealing is achieved with the grommet and clamp design.
- Operating temperature is from -55°C to $+125^{\circ}\text{C}$; Operating voltage to 1000 VAC (RMS) at sea level.
- Pin and socket contacts are machined from low loss copper alloy and gold plated to eliminate contact corrosion and provide an indefinite shelf life.
- All have resilient inserts which provide high dielectric strength and moisture barrier.
- A variety of shell finishes (including non-cadmium) and a variety of backend accessories are available within the styles.



PT Solder
jam nut receptacle and
mated straight plug

Bayonet Coupling with Solder Contact Termination

PT, MS/PT (solder)

- MS and proprietary versions
- Factory installed solder contacts
- 3 point bayonet coupling and 5 key/keyway mating.
- Intermateable with all miniature series connectors.
- MS/PT meets MIL-DTL-26482 Series 1, service classes E, F and P.
- MS/PT is UL recognized.

Options

- 7 shell styles with 60 insert patterns
- Hermetic seal (glass fusion) receptacle styles available
- Pressurized thru bulkhead receptacle style available
- Pre-installed coax solder contacts are available
- Printed circuit board contacts are available



SP (solder)

- SP Series is a modification of the PT with same features except a wider flange for back panel mounting

Bayonet Coupling with Crimp Contact Termination

PT Solder
wall mount receptacle

PT-SE, MS/PT-SE (crimp)

- MS and proprietary versions
- Crimp rear insertable/front release contact termination. (closed entry socket insert prevents probe damage).
- 3 point bayonet coupling and 5 key/keyway mating.
- Intermateable with all miniature series connectors.
- MS/PT-SE meets MIL-DTL-26482 Series 1, service classes E, F, P.

Options

- 6 shell styles with 47 insert patterns
- Coax and thermocouple contacts are available



PT-SE Crimp
wall mount receptacle
and mated straight plug

SP-SE (crimp)

- Modification of the PT-SE with wider flange for back panel mounting