



Custom Solutions

Mil-Spec MIL-C-26482 Series 2 Assemblies

ATPC provides a diverse selection of circular connector assemblies designed and manufactured to meet MIL-C-26482 Series 2 standards. With the same footprint and configuration styles as the MIL-C-26482 Series 1, the Series 2 offers a high temperature insulator that is rated to 200°C, making them suitable for a wide array of demanding, high temperature applications.

Performance Characteristics ✓ Connector Operating Temperature: -55°C to 200°C

Features & Benefits

Wide Variety Of Contact Layouts

Precision-machined solder contacts featuring silver or gold plating are accessible in a range from 20 AWG to 16 AWG. Additionally, we provide specialized crimp and thermocouple contacts tailored to specific applications.

Rugged Shell

ATPC's custom mechanical backend uses an aluminum alloy shell and hardware for durability with minimal weight. Optional mesh strain relief available for extreme flexing near connection point.

Overmolded Backend

Available with a fully overmolded backend to effectively safeguard against the ingress of liquids and particles.

Bayonet Coupler

Provides easy mating and disconnecting with a secure, three point locking system.

Silicone Insulator

Provides heat protection at the connection point up to 200°C.



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M23 Connector Assemblies

ATPC M23 connector assemblies are a reliable and robust choice for applications involving servo motors and encoders. These assemblies feature a fully molded backend, with optional mechanical configurations available, ensuring durability against continuous flexing and pulling. This makes M23 connector assemblies the ideal solution for maintaining smooth and uninterrupted operation in various industrial automation settings.

Performance Characteristics ✓ Connector Operating Temperature: -40°C to 125°C

Features & Benefits

Overmolded Backend

Effectively safeguards against the ingress of liquids and particles.

Wide Variety Of Contact Layouts

Precision machined, gold plated contacts suitable for both power and signal applications up to 19 conductors.

Modularity

Offered with power, signal and ethernet under one connector shell to reduce the number of connectors needed in a specific application.

Industry Compatibility

Capable of seamlessly connecting with receptacles found on widely-used automation equipment, including Siemens, Allen Bradley, and many other brands.



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Rectangular Connector Assemblies

ATPC offers rectangular connector assemblies that are suitable for a wide variety of industrial applications including industrial machinery, automation systems, and telecommunications equipment. The connectors are characterized by their rectangular shape and robust construction, making them suitable for harsh environments and demanding conditions.

Performance Characteristics ✓ Connector Operating Temperature: -40°C to 125°C

Features & Benefits

Industry Compatibility

Designed and built to mate to existing equipment without modification.

Wide Variety Of Contact Layouts

Offered in contacts layouts for 1 to 108 conductors ranging from 1 AWG to 26 AWG.

Modularity

Can accept power, signal, communication, ethernet and thermocouple/RTD under one connector housing.

Custom Backend Options

Offered with custom backend options for environmental sealing and strain relief. These can include a wide variety of cord grips, glue shrinks, and mesh strain relief.