

Special Purpose Interconnection Products, cont.

EZ Field Connectors

Consult Amphenol Pcd website: www.rjfield.com. or consult your local Amphenol sales office for further information.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Rectangular rugged composite plastic interconnect with a RJ45 Ethernet interface. Designed for use in many levels of harsh environments for Industrial applications providing IP67 protection from dust, fluids, vibration, shock and traction.	Allows the use of Ethernet Class D/Cat 5 and Cat 5e connections for 10 Base T, 100 Base TX or 1000 Base T networks.	The RJF EZ Field connectors consist of a rectangular interconnection system using a quick, user-friendly lever coupling mechanism.	Uses any pre-existing, off-the-shelf Ethernet Class D/Cat 5/Cat 5e cable; no additional termination or tooling required.	Operating temp. from -40°C to +100°C. Rated IP67 for environmental sealing. Resistant to shock, vibration and traction. Eliminates hazardous, time-consuming and costly in-field cabling assembly and requires no special tooling. The RJ45 cordset shielding is transmitted to the RJ45 receptacle through lateral grounding fingers.

OPTIONAL FEATURES

- Various back terminations available on the receptacle side, including another RJ45 receptacle or a RJ45 cordset in multiple lengths and configurations.
- Works with any standard RJ45 cordset with no extra tooling required.

MARKETS

- Data Acquisition and Transmission in Harsh Environments
- Telecom Equipment, Video Control, Tele-maintenance
- Industrial Process and Motion Control, CNC Machines
- Factory Automation, Robotics

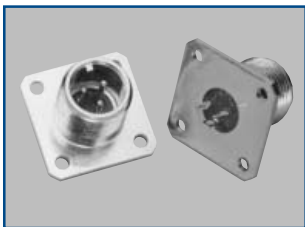
Hermetic Connectors

Consult your local Amphenol sales office for further information. Series catalogs provide hermetic information if applicable.

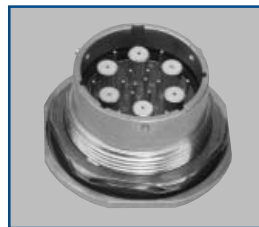


Variety of Hermetic Connectors

APPLICATION	STANDARDS REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Designed for environmental moisture sealing with fused compression glass sealed inserts.	Available in all the "basic" cylindrical connector families: <ul style="list-style-type: none"> • MIL-DTL-38999 • MIL-C-26482 • MIL-C-83723 • MIL-C-5015 Also available in rectangular rack and panel connectors.	Connector mating is accomplished in the normal fashion of the connector series used. Receptacle mounting styles: box mount, wall mount, jam nut, solder and weld mount.	Solder cup, flat eyelet or PCB termination. Contact counts from 2 to 128 are available. Coax and filter contacts can be accommodated into hermetic inserts.	Connector performances are compatible with the Mil-spec requirements of the connector type used. Leakage rate with hermetically sealed inserts is less than 1.0×10^{-6} cc/sec. at 15 psi differential. Hermetic Filter connectors provide all the benefits of a hermetic connector for low level leakage rate, as well as EMI protection for sensitive circuits.



Hermetic MIL-C-5015



Hermetic MIL-C-26482 with Shielded Coax Contacts



Hermetic JT (MIL-DTL-38999, Series II)



Hermetic Filter

OPTIONAL FEATURES

- Wide variety of connector series can be ordered with hermetic sealing.
- Specials such as sockets in glass and .050 center versions are common production lines. Other special designs can be accomplished.

MARKETS

- Military Aerospace and Commercial Aircraft
- Industrial