

# Special Purpose Interconnection Products, cont.

## Aquacon Immersible Connectors

Reference Catalog 12-140



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
<b>AJ Series</b> Designed for underwater or fluid immersion applications, offering 1500 psi sealing capability assured by metal threaded coupling and "O" ring seals.	MIL-DTL-38999 Series III type, with enhanced features for moisture sealing and corrosion resistance.	Threaded coupling. Quick mating with one 360° turn of the coupling nut. Visual mating indicator. (See page 11 for further description of MIL-DTL-38999 Series III connectors.	Crimp termination. Recessed pins (100% scoop-proof feature minimizes contact damage). Solder termination for hermetic receptacles.	Operating temp. from -55°C to +200°C. Specially designed aluminum bronze coupling nut and type 316 stainless steel shells resist corrosion and provide a 1500 pressure withstanding capability. Hermetic style inserts provide 1 x 10 <sup>-6</sup> cc/sec leakage rate. Rear accessory thread provides for the use of EMI hardware or environmentally resistant molded cable terminations.

### OPTIONAL FEATURES

- Straight plug and either jam nut or square flange receptacle styles offered.
- Over 40 insert arrangements available.
- Hermetic receptacles are available with inserts of fused compression glass.

### MARKETS

- Oceanic and fluid immersion applications.

## Geophysical Miniature Connectors

Reference Product Data Sheet 146



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
<b>GO Series</b> Miniature cylindrical designed for the geophysical industry's rugged environments of extreme temperature and moisture.	Further development of MIL-C-26482, Series 1 type connectors with stronger shells along with an anodized finish for greater resistance, and interfacial sealing discs.	Bayonet coupling. Mounting styles: 4 receptacle styles and cable plug.	Solder contact termination. Utilizes MIL-C-26482 Series 1 insert arrangements; currently 6 patterns available.	Operating temp. from -55°C to +85°C. IP67 rated for moisture resistance. Machined shells provide increased strength. Anodized (non-conductive) finish provides greater salt, corrosion and abrasion resistance. Interfacial sealing discs including individual pin seals allow wet mateability.

### OPTIONAL FEATURES

- Class "C" Pressurized available.
- Accessories available: cable sealing backshells, strain relief clamps, coupling nuts with round detent holes, protection caps.

### MARKETS

- Heavy equipment
- Ground vehicles

## M<sup>3</sup> Micro-Miniature-Metric Threaded Connectors

Reference Product Data Sheet 126



(Coin in photo to show size relationship)

APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Designed for light weight, micro-miniature size and low cost applications. Small size: 1.406 inch (35.71mm) max. length for a mated pair; 0.663 inch (16.84mm) max. diameter.	Designed from and meets many of the performance levels of MIL-DTL-38999 for Series II.	Metric threaded coupling. Straight plug and jam nut receptacle styles currently available. Positive key/keyway system assures mating.	Crimp termination. Currently available with three size 22D contacts.	Meets many environmental performance requirements of MIL-DTL-38999 Series II with an environmental resistant main joint seal and olive drab cadmium finish for shell to shell conductivity. For EMI protection, a braid can be terminated to the rear of the connectors by use of a crimp ferrule.

### OPTIONAL FEATURES

- EMI termination available.
- Alternate rotations can be made available.

### MARKETS

- Military Aerospace
- Missiles and Space Applications