



## MISSION-CRITICAL UNDERWATER INTERCONNECT SOLUTIONS

Most aggressive lead times in the industry • Vertically integrated and made in the USA  
Custom solutions, no minimum order quantities

Accessible and responsive engineering support • Obsessed with quality and qualification  
Superior technical designs for extended durability and performance



# Micro-PSI

## Microminiature high-pressure connectors and cables

- Glass-to-metal seal 10,000 PSI pressure rated, open-face and mated
- Special-purpose high-density (.050" contact spacing) intelligent inspection (PIG) connector series
- 2 Amp high-speed Gigabit Ethernet-ready, Coax layout for 3GHz performance
- -20° to +150°C temperature range
- High-density, small form-factor design
- Serviceable O-rings on plugs and face O-rings on receptacles provide high-reliability sealing.
- Available as overmolded plug cordsets with Viton or Polyurethane jacketing





### MICRO PSI HOW TO ORDER, SPECIFICATIONS, MATERIALS AND FINISHES

Micro-PSI - How To Order						
Sample Part Number	707-0264	-7	ME4	Z1	S	N
Series / Basic P/N	707-0264 = Series and Basic Part Number					
Connector Style	1 = CCP (Cable Connector Plug) 6 = FCR (Flange Mount Receptacle)		5 = CCR (Cable Connector Receptacle) 7 = BCR (Bulkhead Mount Receptacle)			
Shell Size / Layout	See Insert Arrangements					
Shell Material	Z1 = Stainless Steel					
Contact Type and Termination Style	<b>Plugs</b> P = Pin / Solder Cups B = Pin / Flying Leads (6 inches long) C = Pin / PCB Terminals		<b>Receptacles</b> S = Socket / Solder Cups F = Socket / Flying Leads (6 inches long) D = Socket / PCB Terminals			
Locking Position	N = Normal, A, B, C (See Key and Keyway Positions table below)					

#### Performance Ratings

**Connector Pressure Ratings:**  
 10,000 PSI (Open face receptacle)  
 10,000 PSI (Mated CCP)

**Pressure Tested To:**  
 10,000 PSI per ISO 13628-6

**Electrical Performance:**  
 Insulation Resistance: 1000 Megohms at 500 VDC per EIA-364-21  
 Coax Performance: DC to 3 GHz  
 Temperature Range: -20°C to +150°C

#### Hermeticity:

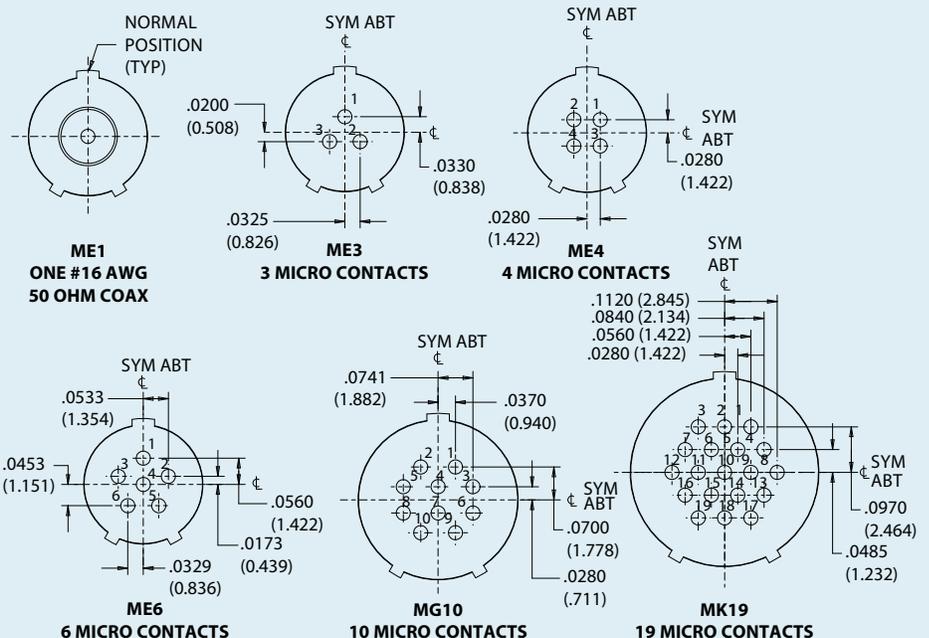
<1 x 10<sup>-7</sup> scc He / sec @ 1 ATM pressure differential; receptacles only

#### Connector Material / Finish

**Connector Shell:** 316L SST / passivated  
**Coupling Ring:** nickel bronze / None  
**O-rings:** Viton 90 durometer / none  
**Contacts:** nickel-iron alloy / gold over nickel  
**Hermetic Seal:** vitreous glass / none

MicroPSI Key and Keyway Positions				
Key Position	Key Rotation		Plug	Receptacle
	X°	Y°		
Normal (N)	150°	210°		
A	75°	210°		
B	95°	230°		
C	140°	275°		

### INSERT ARRANGEMENTS



### NOTES

- Plug connectors typically supplied as prewired factory cable assemblies with Viton® overmolding for caustic chemical resistance
- Receptacle connectors commonly supplied as prewired pigtailed or flex jumpers for direct connection to printed circuit boards and / or data drives
- High-speed Ethernet up to 1Gbps