



# 10K PSI SOLUTION

# Micro-PSI High-Speed, High Pressure I/I Connector



## Specifications and insert arrangements

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

Micro-PSI - How To Order	
<b>Sample Part Number</b>	707-0264 -7 ME4 Z1 S N
<b>Series / Basic P/N</b>	707-0264 = Series and Basic Part Number
<b>Connector Style</b>	1 = CCP (Cable Connector Plug)      5 = CCR (Cable Connector Receptacle) 6 = FCR (Flange Mount Receptacle)      7 = BCR (Bulkhead Mount Receptacle)
<b>Shell Size / Layout</b>	ME1, ME4, ME6, MG10, MK19 (See Insert Arrangements diagram)
<b>Shell Material</b>	Z1 = Stainless Steel
<b>Contact Type and Termination Style</b>	<b>Plugs</b> P = Pin / Solder Cups      C = Pin / PCB Terminals <b>Receptacles</b> S = Socket / Solder Cups      D = Socket / PCB Terminals
<b>Clocking Position</b>	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

#### NOTES

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

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

