

OPTIMIZED
FOR USE WITH



SeaKing
PRESSURE-RATED CABLES

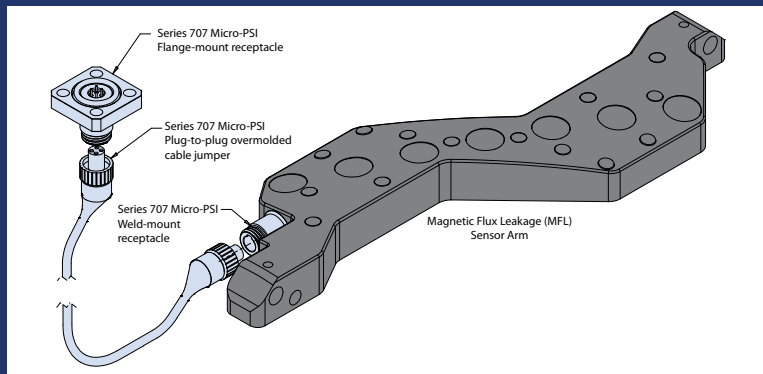


**Micro-PSI: 10K psi
open-face micro
miniature, high-speed
ILI interconnects**



The Series 707 Micro-PSI is a micro miniature 10K psi high-pressure, high-temperature interconnect designed specifically for pipeline inspection applications in Magnetic Flux Leakage and ultrasonic pipeline inspection PIGs. The Micro-PSI insert arrangements feature high-density micro TwistPin layouts for sensor applications and high-speed Gigabit Ethernet, and a coax contact layout for 3 GHz performance. Micro-PSI connectors are supplied as discrete plugs, or overmolded plug cordsets with rugged Viton or Polyurethane jacketing. Bulkhead and flange mount receptacles are 10K psi open-face pressure sealed, and incorporate fused vitreous glass inserts for $<1 \times 10^{-7}$ scc He/sec hermetic performance. Serviceable O-rings on plugs and face O-rings on receptacles provide high-reliability sealing.

- **High-density, high-pressure, small form-factor interconnect, ideal for In Line Inspection (ILI) and pipeline PIG inspection tools**
- **10,000 psi pressure rated**
- **Less than 1×10^{-7} scc He/sec @ 1 ATM pressure differential**
- **Special-purpose high density (.056" contact spacing)**
- **3 GHz Coax contact arrangements**
- **2 Amp high-speed Gigabit Ethernet-ready**
- **-20° to +150°C temperature range**
- **Field-serviceable O-rings**



Application example shows the 707 Micro-PSI used to interconnect an MFL sensor to on-board PIG data storage.

10K PSI

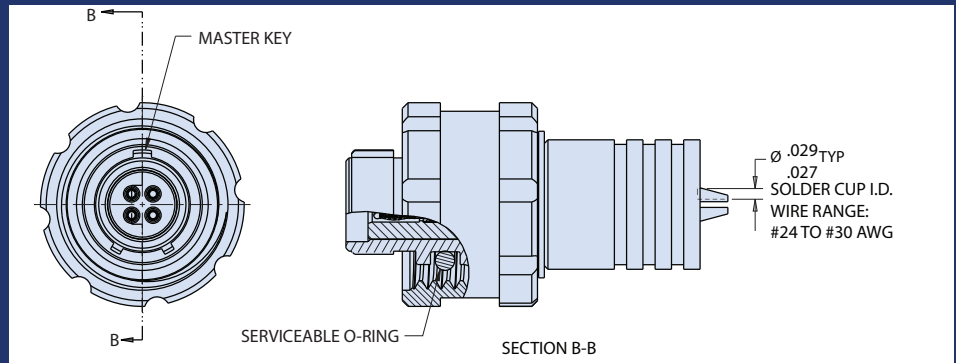
Micro-PSI Micro-Miniature High-Speed, High Pressure ILI Connector

High-density · life-of-system durability



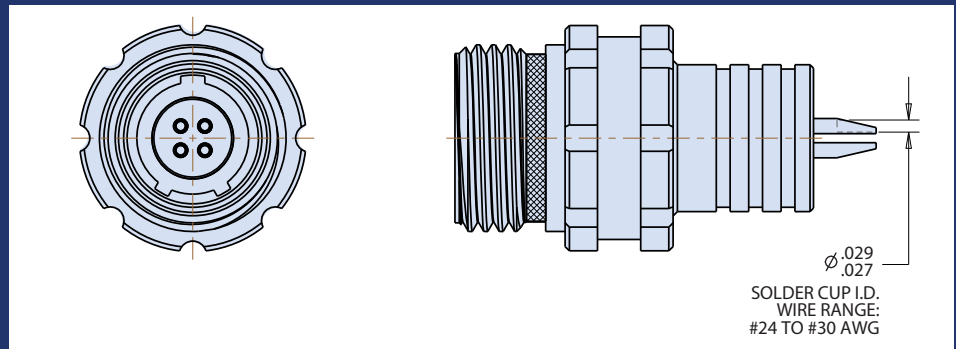
707-0264-1 MICRO-PSI ENVIRONMENTAL CABLE CONNECTOR PLUG

- Red alignment indicator for accurate mating
- Serviceable O-ring for reliable sealing and easy maintenance
- Mates with 707-0264-5 CCR, 707-0264-6 FCR and 707-0264-7 BCR



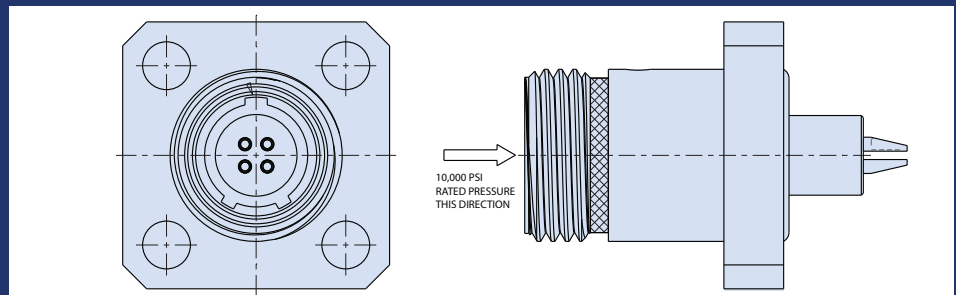
707-0264-5 MICRO-PSI HERMETIC CABLE CONNECTOR RECEPTACLE

- Operating temperature -20° to +150° C
- Alignment and full-mate indicators
- Flying lead option available
- Mates with 707-0264-1 CCP Plugs



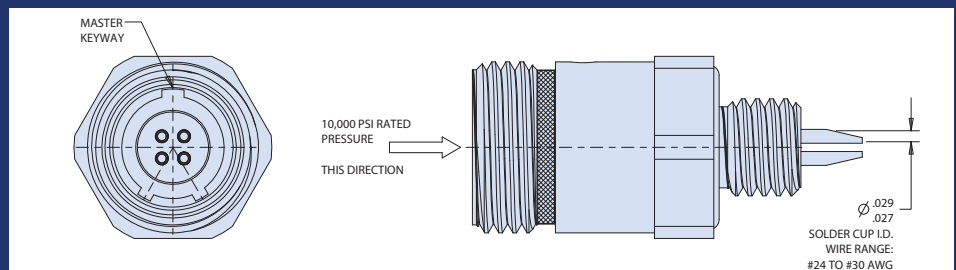
707-0264-6 MICRO-PSI HERMETIC FLANGE MOUNT RECEPTACLE

- Operating temperature -20° to +150° C
- Alignment and full-mate indicators
- Flying lead option available
- Mates with 707-0264-1 CCP Plugs



707-0264-7 MICRO-PSI HERMETIC BULKHEAD MOUNT RECEPTACLE

- Operating temperature -20° to +150° C
- Alignment and full-mate indicators
- Flying lead option available
- Mates with 707-0264-1 CCP Plugs



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