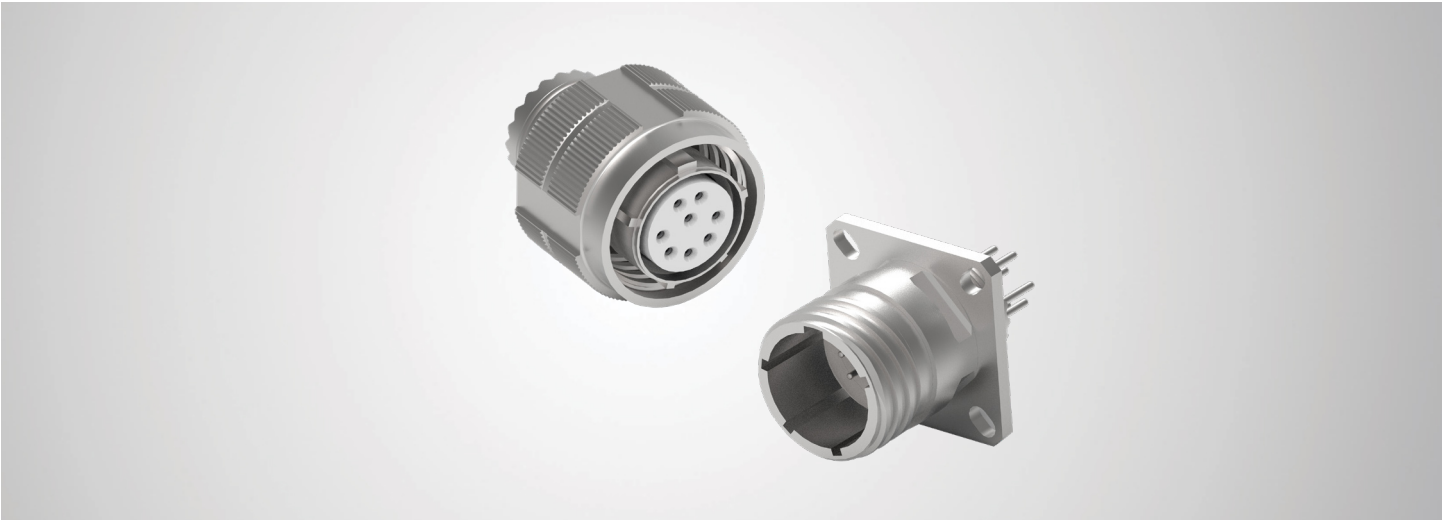


PHOENIX

HIGH TEMPERATURE HERMETIC CONNECTORS

PDS - 703



DESCRIPTION

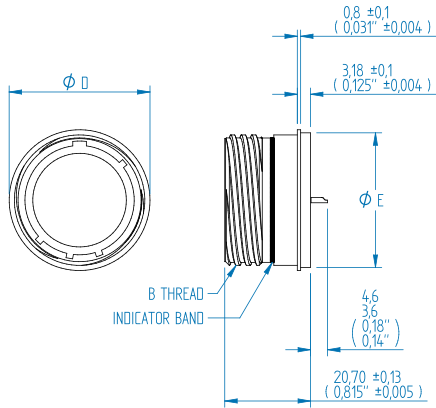
The Phoenix Series delivers high-performance hermetic connectors engineered for extreme environments where standard COTS solutions fall short. Purpose-built for elevated temperature demands, these connectors ensure uncompromising reliability in Aerospace, Defense, Space, and Power Generation systems. Designed for continuous operation in environments up to 450°C, Phoenix connectors maintain superior electrical performance without compromise.

FEATURES & BENEFITS:

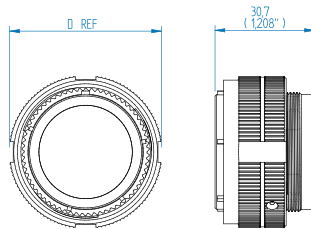
- Operating Temperature: -55°C to 450°C
- Hermetically sealed receptacle ensures complete component protection
- Mating plug with ceramic inserts
- MIL-DTL-38999 style mating interface, and keyways
- Available in 2 mounting styles; Box Mount and Weld flange
- Design Standard: MIL-DTL-38999 Series III (NON QPL)
- Platform arrangement derived from MIL-DTL-38999: 08-98, 10-5, 12-8
- Contact sizes: MIL-DTL-D38999 (Size 20)
- Shell Material: Stainless Steel
- Insulation: glass-ceramic plug, ceramic insert
- Contact material: Stainless Steel / Nickel Alloy
- Leak rate: Receptacle $<1 \times 10^{-7}$ cc/sec (He)
- Maximum Temperature: 450°C
- Insulation resistance: >5000 MOhm @ 500 Vdc @ ambient (reduced @ temperature)

TECHNICAL DRAWINGS:

MHTV01



MHTV06



MHTV02

