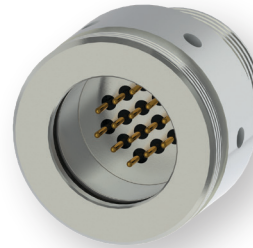


107 Series Connector

Glass to Metal Sealed Connectors

RELIABLE TO FULL OCEAN DEPTH

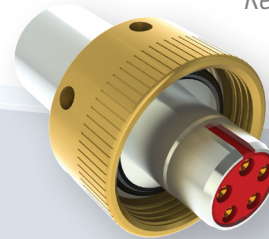
- Multiple shell insert arrangements available
 - **Single coaxial contact to 48 size #16 AWG conductor**
 - Several **High current contact** sizes (i.e. for applications ranging from hydrophones to submersible propulsion motors)
 - Straight or right angle plugs
 - Receptacles in the following configurations: **flange weld, end flange bolted, mid flange bolted, locknut flange bolted, bulkhead, and in-line**
- Plug shells are machined in 316 stainless steel with diallyl-phthalate or delrin insulators & bonded using an overmold process onto a watertight cable assembly
- Receptacles are machined in 316L stainless steel with glass to metal sealed contacts & are **intermateable with the 117 series** glass to metal sealed plugs for a full hermetic mated interconnect solution



107 Series Receptacle



107 Receptacle, Rear (solder pot) Side



107 Series Plug

TECHNICAL SPECIFICATIONS*

GENERAL SPECIFICATIONS	
Operational Temperature	-40°F to 165°F (-40°C to 74°C)
Storage Temperature	-65°F to 175°F (-54°C to 80°C)
Max Operational Pressure	10,000 psig Open Face Receptacle 6,500 psig Mated
Shell Material	316/316L Stainless Steel
ELECTRICAL SPECIFICATIONS	
Operational Current	4-100 Amps (depending on size of connector)
Max Operating Voltage	1,900 VRMS at 60Hz
Insulation Resistance	5 Ghoms at 500VDC
Frequency Range	10-2000 Hertz at 10 G

*Performance values generally based on historical application requirements

PRODUCT FEATURES

- **Designed, manufactured and tested according to Mil-C-24231 requirements**
- **Used in Navy dry mate submersible interconnect applications where reliability in differential pressure is critical**
- **Utilizes glass to metal sealing to create a hermetic pressure barrier for maximum protection under differential pressure**
- **Standard configuration mated for 10,000 psi (Receptacles) open face & 6,500 psi mated**
- **Protective caps provided**



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