SERIES 802
AquaMouse
Ultraminiature High-pressure

Originally developed for petroleum pipeline inspection equipment, Series 802 connectors are available in ten sizes from 1 to 130 contacts and equipped with Viton® O-rings to withstand exposure to corrosive chemicals and high temperature environments. These connectors feature high density crimp Mighty Mouse inserts, 316 stainless steel or marine bronze shells and a piston O-ring for hydrostatic sealing. Series 802 insulated wire, panel mount receptacles can be ordered as square flange, in-line or jam–nut versions. Choose integral shield termination platform or accessory thread for use with a variety of strain relief options. Crimp style gold–plated crimp contacts accept #12–30 wire. Connectors are backfilled with epoxy potting compound. Hermetic glass–sealed connectors come with solder cup contacts (non-removable) or PC tails. 100% tested to meet 1 x 10-7 cc/sec helium leakage. Open face pressure rating 3500 PSI.

- 3500 psi pressure rated
- High-temperature and corrosive chemical-resistant Viton® or Nitrile O-rings
- Ultraminiature #23 contacts
- Size #20, #20HD, #16, #12, #8 signal, power, fiber optic and shielded contacts
- Discrete connectors and turnkey cable assemblies

AQUAMOUSE CONNECTOR CONFIGURATIONS AND CLASSES

- Series 802 Plugs
- Series 802 Jam Nut Mount
- Series 802 Square Flange Receptacle
- Series 802 Hermetic
- Series 802 Hermetic Bulkhead Feed-Thru
Glenair Series 802 AquaMouse™ Delivers High-Pressure Sealing and Rugged Design in a Miniature Package

Series 802 AquaMouse™

Stainless Steel or Marine Bronze
Available in ten sizes from 1 to 130 contacts, Series 802 connectors feature 316 stainless steel or marine bronze shells. Viton® o-rings resist high temperature and corrosive chemicals.

3500 psi
These connectors withstand up to 3500 PSI hydrostatic pressure in a mated condition. Hermetic versions withstand 1000 PSI open face pressure.

AQUAMOUSE SPECIFICATIONS AND PLUG KEY POSITIONS

<table>
<thead>
<tr>
<th>Key Position</th>
<th>Key Rotation A°</th>
<th>Key Rotation B°</th>
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</thead>
<tbody>
<tr>
<td>Normal (A)</td>
<td>150°</td>
<td>210°</td>
</tr>
<tr>
<td>B</td>
<td>75°</td>
<td>210°</td>
</tr>
<tr>
<td>C</td>
<td>95°</td>
<td>230°</td>
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<tr>
<td>D</td>
<td>140°</td>
<td>275°</td>
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<tr>
<td>E</td>
<td>75°</td>
<td>275°</td>
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<tr>
<td>F</td>
<td>9°</td>
<td>210°</td>
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Performance Specifications
- Current Rating:
  - #23–5 A, #20–7.5 A, #16–13 A, #12–23 A
- Dielectric Withstanding Voltage:
  - #23–750 VAC, #20HD–1000VAC, #16 and #12–1800 VAC
- Insulation Resistance: 5000 megohms minimum
- Operating Temperature: -65° C to +175° C
- Hydrostatic Pressure: 3500 PSI mated, 1000 PSI open face (hermetic)
- Shock: 300 g.
- Vibration: 37 g.
- Durability: 2000 mating cycles

Material and Finish
- Shells, Jam Nuts: 316 stainless steel or marine bronze
- Coupling Nuts: Marine bronze, unplated
- Insulators: Liquid crystal polymer (LCP), 30% glass-filled
- Contact Retention Clip: Beryllium copper alloy
- Interfacial Seal, O-rings: Viton Rubber
- Interfacial seal, rear grommet: Fluorosilicone rubber, blue
- O-rings: Viton®