

OPTIMIZED
FOR USE WITH
MIL-STAR™
HIGH-PERFORMANCE HOOKUP WIRE AND CABLE

MIGHTY MOUSE



Mighty Mouse NG
micro miniature nuclear-
grade circular connectors



High-performance small form-factor connectors designed to meet Gen III global qualification requirements, including those requiring long-term submersion

Series 802 Mighty Mouse NG connectors are built to meet the latest severe nuclear industry application requirements, including long-term submersion, prolonged radiation, and 60-year installed life. The series is available in ten sizes from 1 to 130 contacts. These ultraminiature connectors (half the size and weight compared to standard nuclear-grade connectors) feature high-density inserts, 316 stainless steel shells, and a piston O-ring. Gold-plated crimp contacts accept #12 to #30 AWG wire. Connectors can be purchased prewired and potted for fast in-plant installation.

- 3500 psi pressure rated
- Ultra miniature #23, #20, #20HD, #16, #12, #8 signal, power, fiber optic, and shielded contacts
- Discrete connectors and turnkey cable assemblies



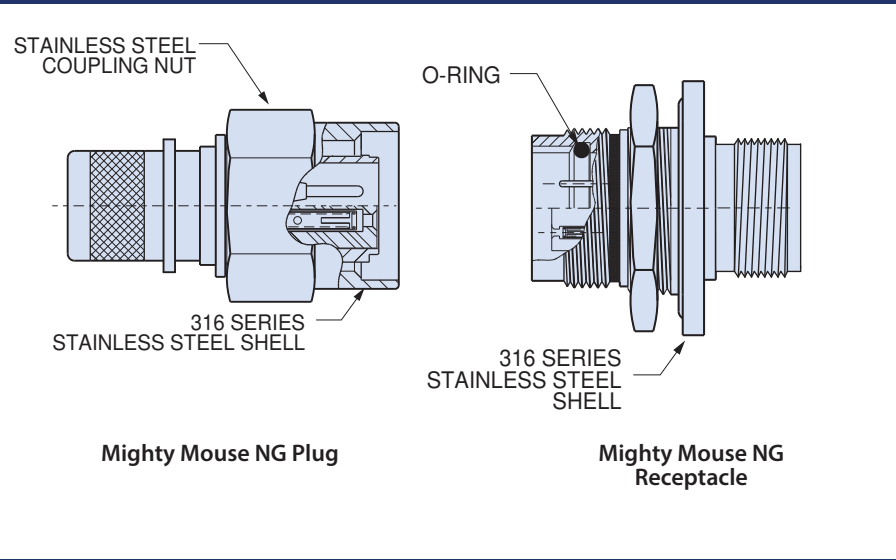
Custom high-pressure glass sealed and bulkhead feed-thrus available

NUCLEAR-GRADE QUICK-DISCONNECT
Mighty Mouse NG Micro Miniature
High-Pressure Circular Connectors



For stringent containment area (Zone 1E) applications

GLENAIR MIGHTY MOUSE NG DELIVERS HIGH-PRESSURE SEALING AND RUGGED DESIGN IN A MINIATURE PACKAGE



Stainless Steel
Available in ten sizes from 1 to 130 contacts, Series 802 connectors feature 316 stainless steel shells.

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

MIGHTY MOUSE NG SPECIFICATIONS AND PLUG KEY POSITIONS

PLUG KEY POSITIONS		
Key Position	Key Rotation	
	A°	B°
Normal (A)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	9°	210°

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, Coupling Nuts	316 stainless steel
Contacts	Copper alloy, 50 μlnch gold plated. Socket hood: stainless steel, passivated. Hermetic pin contacts: Nickel-Iron alloy per ASTM-F-30, 50 μlnch gold plated.
Contact Retention Clip	Beryllium copper alloy