The widest range of mission-critical interconnect technologies in the world





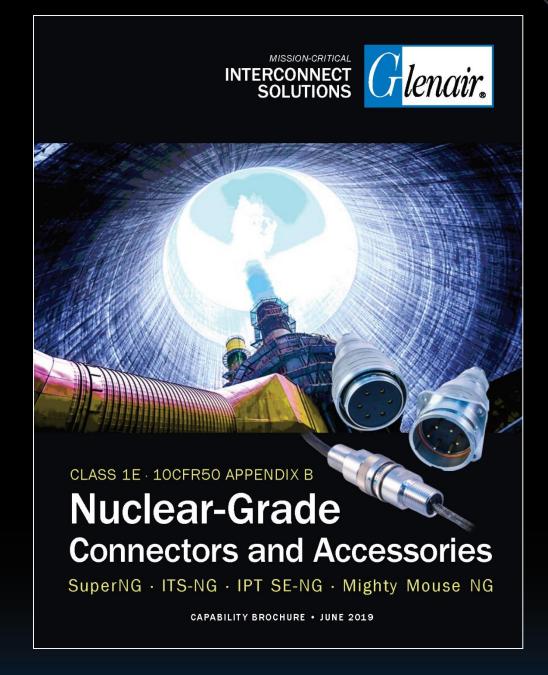
Nuclear-Grade Connector Series

Class 1E • 10CFR50 Appendix B

Nuclear-Grade Connectors and Accessories

- Two new quick-disconnect connector series for newer, severe applications that may require long-term submersion: SuperNG and Mighty Mouse NG
- Two industry-standard connector series for refurbishment and retrofit projects
 - Series ITS-NG
 - Series IPT SE-NG

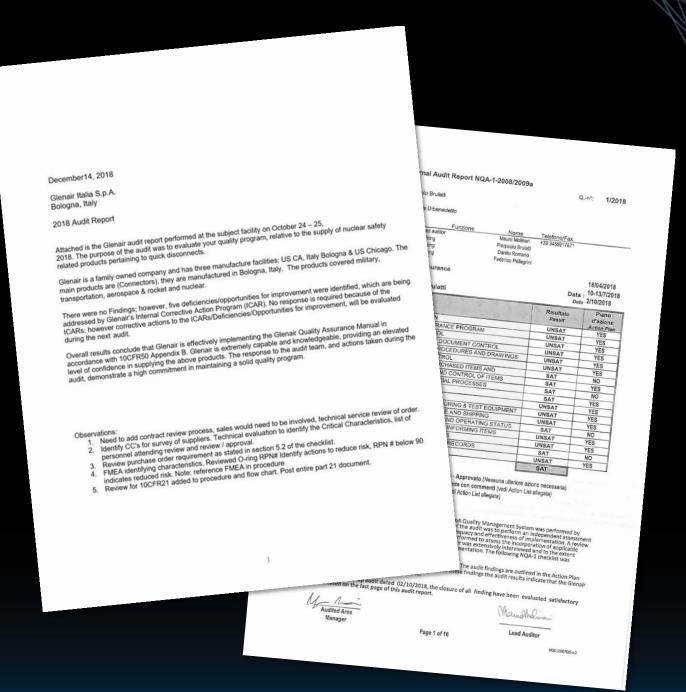






Nuclear-Grade Class 1E 10CFR50 Appendix B

- Appendix B audit report available upon request
- Quality system audit complete
- Factory audit complete
- NG connector series product qualification in progress





Glenair Zone 1 NG Quick-Disconnect Connector Applications

- Valve controls/monitoring
- Control rod drive mechanisms
- Rod position indicators
- Pressure transmitters
- Solenoids
- Hydrogen detectors
- Fuel handing equipment

- Radiation tolerant cameras
- Limit switches
- Radiation detectors
- In-core detectors
- Data acquisition equipment
- Post accident monitoring systems
- Process control monitoring



Key Performance Attributes of Signature Glenair SuperNG Quick-Disconnect Connectors

Optimized for Containment Area (Class 1E) applications

- Radiation resistance
- High-temperature tolerance
- Sealed, high-pressure tolerance
- Fluid / chemical resistance
- Corrosion resistance





Key Performance Attributes of Signature Glenair SuperNG Quick-Disconnect Connectors, continued

Optimized for Containment Area (Class 1E) applications

- Machined stainless steel shells
- Three polarization keys and keyways
- Stainless steel backshells suitable for band termination and backpotting
- NPT threaded plugs and receptacles
- Radiation-hardened inserts, gaskets, seals, O-rings
- Standard signal, power or thermocouple contacts



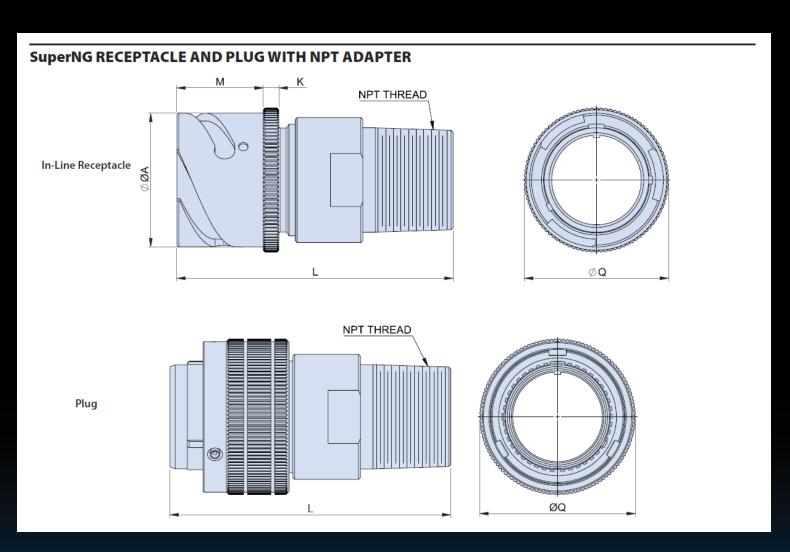


Available SuperNG Connector Configurations

Plugs, mounted and in-line receptacles with a broad range of rear-end thread adapters and backshell accessories

- NPT adapter
- Environmental cable clamp
- Shield termination backshell
- Environmental backshell
- Environmental cable gland backshell





Mighty Mouse NG

Ultra high-density, small form-factor nuclear-grade quick-disconnect optimized for Containment Area (Class 1E) applications

- Radiation, temperature, fluid, and corrosion resistant
- 3500 psi pressure rated
- Ultraminiature #23 signal contacts
- Size #20, #20HD, #16, #12, #8 signal, power, fiber optic and shielded contacts
- Discrete connectors and turnkey cable assemblies



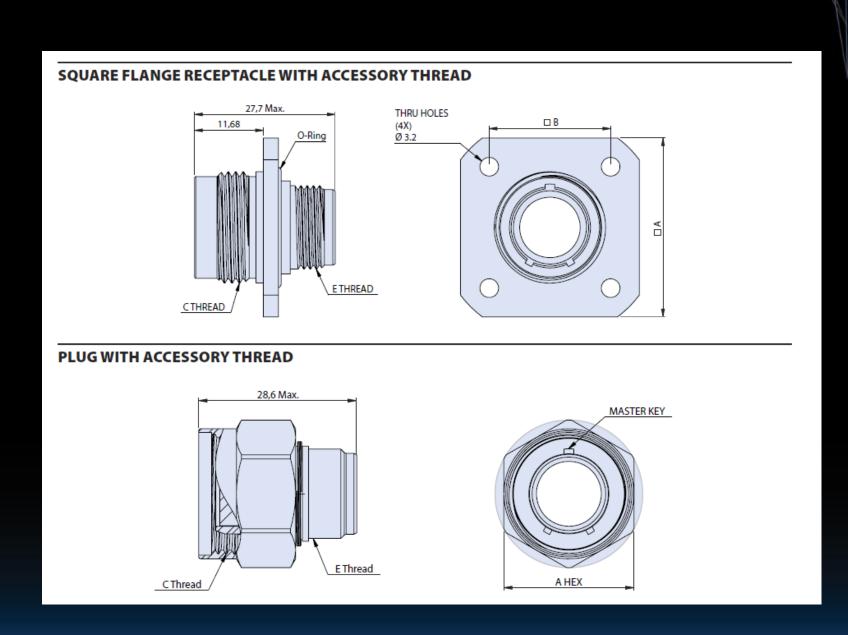


Available Mighty Mouse NG Connector Configurations

Two standard accessory-threaded connector configurations

- Square flange receptacle
- Cable plug
- Environmental EMI/RFI shield termination and shrink boot adapter
- Available factory-terminated cable assemblies





Series ITS-NG Reverse-Bayonet

Quick disconnect / locking nuclear-grade connector series with a broad range of 5015 contact arrangements, intermateable with industry-standard connectors

- Radiation, temperature, fluid, and corrosion resistant
- Fast connect / disconnect reverse-bayonet coupling
- High corrosion-resistant stainless steel shells and bodies
- Chemical and moisture-resistant inserts and O-rings
- Performance tested for advanced temperature, radiation, and seismic stress factors
- Ideally suited for power generation monitoring, valve control devices, sensors, and other electronic equipment in Class 1E harsh nuclear / safety-related applications
- Consult product guide for connector configurations and available backshell accessories





Series IPT SE-NG

Quick-disconnect bayonet-lock NG connector with a broad range of MIL-DTL-26482 contact inserts, intermateable with industry-standard connectors

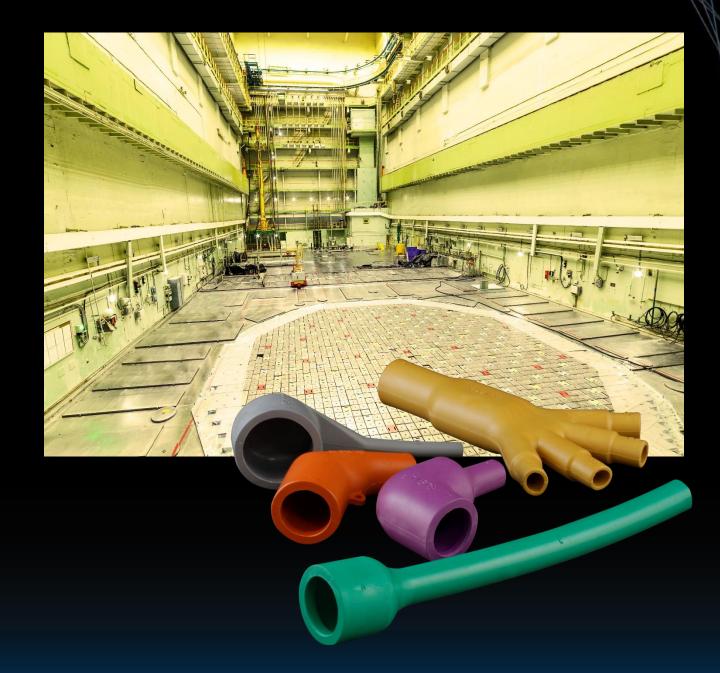
- Radiation, temperature, fluid, and corrosion resistant
- High-performance crimp contact version with integral contact retention clips
- High corrosion-resistant stainless steel shells and bodies
- Two contact sizes: #20 and #16
- 21 signal contact insert arrangements, 3 to 61 contacts
- Rear-insertion / front release snap-in contacts
- Environmentally sealed system
- Audible and visual coupling indicators
- Keyed polarization





Other Harsh-Environment Interconnect Technologies Suitable for the Nuclear Power Industry and Available from Glenair

- Conduit, polymer-core and metal-core
- Turnkey factory cable assemblies
- Turboflex ultra-flexible power cable
- Hermetically-sealed bulkhead connector feedthrus
- Rugged high-speed contacts and connectors for 10GbE applications
- Fiber optic connectors and cable assemblies
- Ruggedized high-temperature optoelectronics (photonics)
- Environmental shrink boots





Nuclear-Grade-Connectors

For more information, see our NG Connector landing page



www.glenair.com/nuclear-grade-connectors-and-accessories/





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Nuclear-Grade Connector Series

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