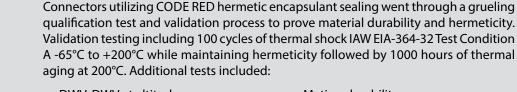
## SuperNine® Lightweight hermetic MIL-DTL-38999 Series III Type "Mission-Critical" hermetic sealng solution





- DWV, DWV at altitude
- IR, IR at temperature
- Highly Accelerated Life Testing (HALT)
- Insert and contact retention
- Mating durability
- Random vibration at temperature IAW MIL-DTL-38999
- Hermetic seal at 30 psi

The entire qualification test cycle was repeated successfully a second time with new parts to validate complete reliability.

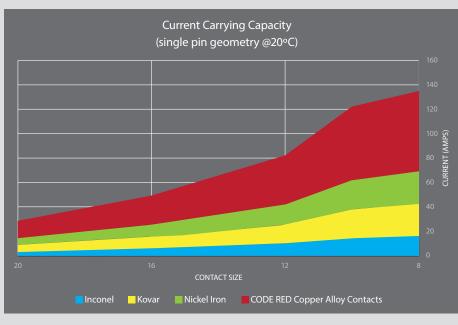
## CODE RED USES PROVEN-PERFORMANCE CONNECTOR AND CONTACT MATERIALS

CODE RED Materials / Finish	
Sealing	Proprietary Glenair
Adhesive	compound
Contacts*	Gold-plated beryllium
	copper alloy per ASTM B
	197 or equivalent
Insulator	Rigid plastic
Seals	Blended fluorosilicone/
	silicone elastomer
Receptacle Shell	Aluminum alloy 6061-T6
and Jam Nut*	per ASTM B 221
Finish*	Electroless nickel per
	ASTM B 733
	· ·

\*zero residual magnetism materials also available

Percentage Weight Savings CODE RED vs. Glass-to-Metal MIL-DTL-38999 Sr. III		
Shell Size/Insert Arr.	Weight Reduction	
9-35	52%	
11-98	47%	
13-35	47%	
15-97	42%	
19-32	40%	
21-11	32%	
23-21	28%	
25-08	43%	

Graph illustrates Current Carrying Capacity of CODE RED copper alloy contacts compared to the Inconel, Kovar, and nickel iron contacts used in conventional glass-to-metal seal hermetics.



**APPLICATION NOTES:** CODE RED is a viable drop-in solution for conventional glass-to-metal seal hermetic connectors with the following exceptions:

**1. Fuel Cells:** Although CODE RED exhibits outstanding resistance to caustic chemicals and fuels, its use in fuel tanks/fuel cell applications is not recommended.

2. Cryogenics: CODE RED has been tested and qualified to -65°C IAW MIL-DTL-38999

- 3. Sustained High-Operating Temperatures: CODE RED has been tested and qualified to a maximum +200°C IAW MIL-DTL-38999
- 4. High Radiation: Exposure to no more than 6 Megarads of radiation

**5. Deep Subsea:** CODE RED is ideally suited for aerospace and downhole applications that do not exceed 2 BAR (30 psi) atmospheric pressure differential.

6. Life Support Systems: Requires additional qualification testing not yet performed by Glenair.

lenair.