

1000 Hour Grey™

The Advanced Formula Ni-PTFE Plating Process for EMC Navy Applications



 **Cadmium Free
RoHS-Compliant
Plating Process Breaks
1000 Hour Corrosion
Protection Barrier!**

The MIL-PRF-28876 specification does not, as of yet, establish any next-generation cadmium-free conductive plating options. But the Glenair advanced Nickel PTFE formula **1000 Hour Grey™** plating process (available in all of our M28876 commercial equivalent 180-040 series parts) meets all key performance requirements including shell-to-shell conductivity and long-term salt spray durability. **1000 Hour Grey™** delivers outstanding performance in a broad range of land, sea, and air interconnect applications. The non-reflective, non-magnetic, gun-metal gray surface finish is an ideal choice for naval applications with severe corrosion protection and EMI/EMC requirements.

Advanced Durability, Conductivity, and Lubricity Plus Outstanding Corrosion Resistance!

The mechanical, electrical and environmental performance of **1000 Hour Grey™** is truly outstanding, far surpassing that of other metal alloy/fluorocarbon polymer plating solutions:

- Salt spray 1000 Hrs. static, 500 hrs. dynamic
- Low shell-to-shell resistance
- -55°C to 175°C temp. Rating
- 336+ hrs. sulfur dioxide resistance
- Non-magnetic
- Cadmium free
- Low coefficient of friction
- Hexavalent chromium free
- Potassium formate resistant
- Max 2.5 Millivolt drop potential
- 500+ Mating cycles
- Low outgassing
- RoHS compliant
- Plating code: MT



Glenair, Inc.