



# Introduction and Technical Reference

## Material and finish options for SuperSeal™ connectors

A

**MIL-DTL-38999 Connector and Cable Assembly Material and Finish Codes**

| Code | Material        | Finish              | Finish Specification                                     | Hrs. Salt Spray | Electrical Conductivity | Operating Temp. Range | RoHS Compliance |
|------|-----------------|---------------------|----------------------------------------------------------|-----------------|-------------------------|-----------------------|-----------------|
| ME   | Aluminum        | Electroless Nickel  | MIL-DTL-24308 Class K                                    | 96              | Yes                     |                       | Yes             |
| MT   | Aluminum        | Nickel PTFE         | SAE AMS2454                                              | 500             | Yes                     | -65° to +175°C        | Yes             |
| NF   | Aluminum        | Cadmium, Olive Drab | SAE-AMS-QQ-P-416 Type II Class 2 over electroless nickel | 500             | Yes                     | -65° to +175°C        | No              |
| ZR   | Aluminum        | Zinc-Nickel, Black  | ASTM B841 Grade 5 over electroless nickel                | 500             | Yes                     | -65° to +175°C        | Yes             |
| AB   | Marine Bronze   | None                |                                                          | 1000            | Yes                     | -65° to +200°C        | Yes             |
| XM   | Composite       | Electroless Nickel  | AMS-C-26074                                              | 2000            | Yes                     | -65° to +175°C        | Yes             |
| Z1   | Stainless Steel | Passivate           | SAE-AMS-355-AMS-QQ-P-35 Type VI                          | 1000            | Yes                     | -65° to +200°C        | Yes             |

**Glenair Series ITS (5015 Intermountable) Material and Finish Codes**

| Code | Material | Finish              | Hrs. Salt Spray | Electrical Conductivity | Operating Temp. Range | RoHS Compliance |
|------|----------|---------------------|-----------------|-------------------------|-----------------------|-----------------|
| F6   | Aluminum | Black Epoxy Paint   | 500             | No                      | -55° to +125°C        | Yes             |
| F7   | Aluminum | Black Zinc Nickel   | 500             | Yes                     | -55° to +125°C        | Yes             |
| F11  | Aluminum | Electroless Nickel  | 48              | Yes                     | -55° to +125°C        | Yes             |
| G3   | Aluminum | Cadmium, Olive Drab | 500             | Yes                     | -55° to +125°C        | No              |

**Glenair Series IPT (IAW MIL-DTL-26482) Material and Finish Codes**

| Code | Material | Finish              | Hrs. Salt Spray | Electrical Conductivity | Operating Temp. Range | RoHS Compliance |
|------|----------|---------------------|-----------------|-------------------------|-----------------------|-----------------|
| F6   | Aluminum | Black Epoxy Paint   | 500             | No                      | -55° to +125°C        | Yes             |
| F7   | Aluminum | Black Zinc Nickel   | 500             | Yes                     | -55° to +125°C        | Yes             |
| F11  | Aluminum | Electroless Nickel  | 48              | Yes                     | -55° to +125°C        | Yes             |
| G3   | Aluminum | Cadmium, Olive Drab | 500             | Yes                     | -55° to +125°C        | No              |

**MIL-DTL-28840 Material and Finish Options**

| Code | Material        | Finish                       | Finish Specification | Hrs. Salt Spray | Electrical Conductivity | Operating Temp. Range | RoHS Compliance |
|------|-----------------|------------------------------|----------------------|-----------------|-------------------------|-----------------------|-----------------|
| NF   | Aluminum        | Cadmium, Olive Drab          | SAE-AMS-QQ-P-416     | 500             | Yes                     | -65 to +175°C         | No              |
| ZR   | Aluminum        | Zinc-Nickel, Black           | ASTM B841            | 500             | Yes                     | -65 to +175°C         | Yes             |
| MT   | Aluminum        | Nickel-PTFE, 1000 Hour Grey™ | AMS2454              | 1000            | Yes                     | -65 to +175°C         | Yes             |
| Z1   | Stainless Steel | Passivate                    | SAE-AMS-QQ-P-35      | 1000            | Yes                     | -65 to +200°C         | Yes             |

**Series 80 Mighty Mouse Material and Finish Codes**

| Code | Material        | Finish              | Finish Specification | Hrs. Salt Spray | Electrical Conductivity | Operating Temp. Range | RoHS Compliance |
|------|-----------------|---------------------|----------------------|-----------------|-------------------------|-----------------------|-----------------|
| M    | Aluminum        | Electroless Nickel  | AMS-C-26074          | 48              | Yes                     | -65 to +200°C         | Yes             |
| MT   | Aluminum        | Nickel-PTFE         | SAE AMS2454          | 500             | Yes                     | -65 to +175°C         | Yes             |
| NF   | Aluminum        | Cadmium, Olive Drab | SAE-AMS-QQ-P-416     | 500             | Yes                     | -65 to +175°C         | No              |
| ZNU  | Aluminum        | Zinc-Nickel, Black  | ASTM B841            | 500             | Yes                     | -65 to +175°C         | No              |
| Z1   | Stainless Steel | Passivate           | SAE-AMS-QQ-P-35      | 1000            | Yes                     | -65 to +200°C         | Yes             |

**Consult Factory for Additional Material and Finish Options**