



## Selected Material and Finish Options for Glenair Connectors

| Glenair Connectors: Selected Material and Finish Options |                 |                         |                                                          |                 |                         |                       |      |                                                              |
|----------------------------------------------------------|-----------------|-------------------------|----------------------------------------------------------|-----------------|-------------------------|-----------------------|------|--------------------------------------------------------------|
| Code                                                     | Material        | Finish                  | Finish Specification                                     | Hrs. Salt Spray | Electrical Conductivity | Operating Temp. Range | RoHS | Notes                                                        |
| <b>M</b>                                                 | Aluminum        | Electroless Nickel      | AMS-C-26074 Class 4 Grade B; ASTM-B-733, SC 2, Type IV   | 48              | Conductive              | -65 to +200°C         | ✓    | Glenair's standard electroless nickel finish.                |
| <b>MT</b>                                                | Aluminum        | Nickel-PTFE             | SAE AMS2454                                              | 500             | Conductive              | -65 to +175°C         | ✓    | Approved for MIL-DTL-38999L and MIL-DTL-83513G.              |
| <b>NF</b>                                                | Aluminum        | Cadmium, Olive Drab     | SAE-AMS-QQ-P-416 Type II Class 2 over electroless nickel | 500             | Conductive              | -65 to +175°C         |      | Glenair's standard olive drab cadmium finish.                |
| <b>XB</b>                                                | Composite       | Unplated Black          |                                                          | 2000            | Non-Conductive          | -65 to +175°C         | ✓    | Glenair's standard unplated composite.                       |
| <b>XM</b>                                                | Composite       | Electroless Nickel      | AMS-C-26074 Class 4, Grade B                             | 2000            | Conductive              | -65 to +200°C         | ✓    | Glenair's standard electroless nickel finish over composite. |
| <b>XW</b>                                                | Composite       | Cadmium, Olive Drab     | SAE-AMS-QQ-P-416 Type II Class 3 over electroless nickel | 2000            | Conductive              | -65 to +175°C         |      | Glenair's standard olive drab cadmium finish over composite. |
| <b>Z1</b>                                                | Stainless Steel | Passivate               | SAE AMS 2700                                             | 500             | Conductive              | -65 to +200°C         | ✓    | Glenair's standard passivated stainless steel.               |
| <b>ZM</b>                                                | Stainless Steel | Electroless Nickel      | AMS-C-26074 Class 1 Grade A                              |                 | Conductive              | -65 to +200°C         | ✓    | Used on hermetic connectors. Use ZM for other applications.  |
| <b>ZN</b>                                                | Aluminum        | Zinc-Nickel, Olive Drab | ASTM B841 Grade 5 over electroless nickel                | 500             | Conductive              | -65 to +175°C         |      | Glenair's standard olive drab zinc-nickel finish.            |
| <b>ZR</b>                                                | Aluminum        | Zinc-Nickel, Black      | ASTM B841 Grade 5 over electroless nickel                | 500             | Conductive              | -65 to +175°C         | ✓    | Glenair's RoHS compliant black zinc-nickel                   |
| <b>ZU</b>                                                | Stainless Steel | Cadmium, Black          | SAE-AMS-QQ-P-416 Type II Class 2                         | 500             | Conductive              | -65 to +175°C         |      | Glenair's standard black cadmium over stainless steel.       |

## Selected Material and Finish Options for Glenair Backshells



| Glenair Backshells: Selected Material and Finish Options |                 |                          |                                                          |                 |                         |                       |      |                                                              |
|----------------------------------------------------------|-----------------|--------------------------|----------------------------------------------------------|-----------------|-------------------------|-----------------------|------|--------------------------------------------------------------|
| Code                                                     | Material        | Finish                   | Finish Specification                                     | Hrs. Salt Spray | Electrical Conductivity | Operating Temp. Range | RoHS | Notes                                                        |
| <b>M</b>                                                 | Aluminum        | Electroless Nickel       | AMS-C-26074 Class 4 Grade B; ASTM-B-733, SC 2, Type IV   | 48              | Conductive              | -65 to +200°C         | ✓    | Glenair's standard electroless nickel finish.                |
| <b>MT</b>                                                | Aluminum        | Nickel-PTFE              | SAE AMS2454                                              | 1000            | Conductive              | -65 to +175°C         | ✓    | Approved for MIL-DTL-38999L and MIL-DTL-83513G.              |
| <b>NF</b>                                                | Aluminum        | Cadmium, Olive Drab      | SAE-AMS-QQ-P-416 Type II Class 2 over electroless nickel | 1000            | Conductive              | -65 to +175°C         |      | Glenair's standard olive drab cadmium finish.                |
| <b>P</b>                                                 | Stainless Steel | Electro-deposited Nickel | SAE-AMS-QQ-N-290 Class 1 Grade F                         | 500             | Conductive              | -65 to +200°C         | ✓    | Use ZM for electroless nickel alternative.                   |
| <b>XM</b>                                                | Composite       | Electroless Nickel       | AMS-C-26074                                              | 2000            | Conductive              | -65 to +175°C         | ✓    | Glenair's standard electroless nickel finish over composite. |
| <b>XO</b>                                                | Composite       | Unplated Light Brown     |                                                          | 2000            | Non-Conductive          | -65 to +175°C         | ✓    | Not recommended for new projects. Use XB.                    |
| <b>XW</b>                                                | Composite       | Cadmium, Olive Drab      | SAE-AMS-QQ-P-416 Type II Class 3 over electroless nickel | 2000            | Conductive              | -65 to +175°C         |      | Glenair's standard olive drab cadmium finish over composite. |
| <b>Z1</b>                                                | Stainless Steel | Passivate                | SAE-AMS-SAE-AMS-QQ-P-35 Type VI                          | 1000            | Conductive              | -65 to +200°C         | ✓    | Glenair's standard passivated stainless steel.               |
| <b>ZM</b>                                                | Stainless Steel | Electroless Nickel       | AMS-C-26074 Class 1 Grade A                              |                 | Conductive              | -65 to +200°C         | ✓    | Glenair's preferred nickel-plated stainless steel.           |
| <b>ZN</b>                                                | Aluminum        | Zinc-Nickel, Olive Drab  | ASTM B841 Grade 5 over electroless nickel                | 1000            | Conductive              | -65 to +175°C         |      | Glenair's standard olive drab zinc-nickel finish.            |
| <b>ZR</b>                                                | Aluminum        | Zinc-Nickel, Black       | ASTM B841 Grade 5 over electroless nickel                | 500             | Conductive              | -65 to +175°C         | ✓    | Glenair's RoHS compliant black zinc-nickel.                  |
| <b>ZU</b>                                                | Stainless Steel | Cadmium, Black           | SAE-AMS-QQ-P-416 Type II Class 3                         | 1000            | Conductive              | -65 to +175°C         |      | Glenair's standard black cadmium over stainless steel.       |