



SERIES 80

Mighty Mouse Connectors and Cables



Modification Codes and Material/Finish Codes

| Series 80 Modification Codes | | | |
|------------------------------|--|--|---------------------------------|
| Modification Code | Description | Application Notes | Part Number Example |
| MOD-186 | Thermal vacuum out gas entire assembly for 24 hours at 125° C, 10 ⁻⁶ Torr. | Intended for space flight applications. See Guidelines for Space-Grade Applications. | 800-006-06M5-3SN- 186 |
| MOD-429 | Special inspection per NASA EEE-INST-002, Table 2A (QCD-8144). Does not include thermal vacuum outgass. | Use this mod code on all Series 80 connectors. See Guidelines for Space-Grade Applications. | 801-010-02M13-37PB- 429J |
| MOD-489 | Solder dip PC tails in 63/37 tin-lead | For use with all connectors with PC tail contacts. | 801-011-02M7-10PA- 489 |
| MOD-501 | Replace spanner-style jam-nut w/hex-style jam-nut w/ safety wire holes | Use this mod code on all Series 80 rear panel mount jam-nut connectors (style 07). | 800-010-07M6-4SN- 501 |
| MOD-518 | Waterblock sealing of printed circuit board and solder cup receptacles. Sealing meets 10 ⁻⁴ cc/second maximum helium leak rate at 15 PSI pressure differential following three cycles of thermal shock. | For use on all panel mount receptacles with printed circuit board or solder cup contacts. | 801-011-07M9-19SA- 518 |

| Standard Material and Finish Codes | | | | | | | |
|------------------------------------|-----------------|---------------------------|----------------------|-----------------|-------------------------|-----------------------|-------------|
| Code | Material | Finish | Finish Specification | Hrs. Salt Spray | Electrical Conductivity | Operating Temp. Range | RoHS Finish |
| AB | Marine Bronze | Unplated | | 1000 | Conductive | -65 to +200°C | ✓ |
| AL | Aluminum | AlumiPlate | MIL-DTL-83488 | 1000 | Conductive | -65 to +175°C | ✓ |
| C | Aluminum | Anodize, Black | AMS-A-8625 | 48 | Non-Conductive | -65 to +175°C | ✓ |
| E | Aluminum | Chem Film | MIL-DTL-5541 | 168 | Conductive | -65 to +175°C | |
| G2 | Aluminum | Anodize, Hardcoat | AMS-A-8625 | 336 | Non-Conductive | -65 to +200°C | ✓ |
| JF | Aluminum | Cadmium, Gold | SAE-AMS-QQ-P-416 | 1000 | Conductive | -65 to +175°C | |
| LF | Aluminum | Cadmium, Clear | SAE-AMS-QQ-P-416 | 1000 | Conductive | -65 to +175°C | |
| M | Aluminum | Electroless Nickel | AMS-C-26074 | 48 | Conductive | -65 to +200°C | ✓ |
| ME | Aluminum | Electroless Nickel | AMS-C-26074 | 48 | Conductive | -65 to +200°C | ✓ |
| MT | Aluminum | Nickel-PTFE | AMS2454 | 500 | Conductive | -65 to +175°C | ✓ |
| NC | Aluminum | Zinc-Cobalt, Olive Drab | ASTM B 840 | 350 | Conductive | -65 to +175°C | |
| NF | Aluminum | Cadmium, Olive Drab | SAE-AMS-QQ-P-416 | 500 | Conductive | -65 to +175°C | |
| P | Stainless Steel | Electrodeposited Nickel | SAE-AMS-QQ-N-290 | 500 | Conductive | -65 to +200°C | ✓ |
| TZ | Aluminum | Tin-Zinc, Green-Gold | AMS 2434, Type 2 | 500 | Conductive | -65 to +175°C | ✓ |
| UC | Aluminum | Zinc-Cobalt, Black | ASTM B 840 | 350 | Conductive | -65 to +175°C | |
| UCR | Aluminum | Zinc-Cobalt, Black (RoHS) | ASTM B 840 | 350 | Conductive | -65 to +175°C | ✓ |
| Z1 | Stainless Steel | Passivate | SAE-AMS-QQ-P-35 | 1000 | Conductive | -65 to +200°C | ✓ |
| Z2 | Aluminum | Gold | MIL-DTL-45204 | 48 | Conductive | -65 to +200°C | ✓ |
| ZC | Stainless Steel | Zinc-Cobalt, Black | ASTM-B840 | | Conductive | -65 to +175°C | |
| ZCR | Stainless Steel | Zinc-Cobalt, Black (RoHS) | ASTM-B840 | | Conductive | -65 to +175°C | ✓ |
| ZL | Stainless Steel | Electrodeposited Nickel | SAE-AMS-QQ-N-290 | 1000 | Conductive | -65 to +200°C | ✓ |
| ZM | Stainless Steel | Electroless Nickel | AMS-C-26074 | | Conductive | -65 to +200°C | ✓ |
| ZMT | Stainless Steel | Nickel-PTFE | AMS2454 | 1000 | Conductive | -65 to +175°C | ✓ |
| ZN | Aluminum | Zinc-Nickel, Olive Drab | ASTM B841 | 500 | Conductive | -65 to +175°C | |
| ZNU | Aluminum | Zinc-Nickel, Black | ASTM B841 | 500 | Conductive | -65 to +175°C | ✓ |
| ZR | Aluminum | Zinc-Nickel, Black | ASTM B841 | 500 | Conductive | -65 to +175°C | ✓ |
| ZU | Stainless Steel | Cadmium, Black | SAE-AMS-QQ-P-416 | 1000 | Conductive | -65 to +175°C | |
| ZW | Stainless Steel | Cadmium, Olive Drab | SAE-AMS-QQ-P-416 | 2000 | Conductive | -65 to +175°C | |

General Information and Reference