



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 <sup>-6</sup> Torr.	Intended for space flight applications. See <b>Guidelines for Space-Grade Applications.</b>	800-006-06M5-3SN- <b>186</b>
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 <b>Guidelines for Space-Grade Applications.</b>	801-010-02M13-37PB- <b>429J</b>
MOD-489	Solder dip PC tails in 63/37 tin-lead	For use with all connectors with PC tail contacts.	801-011-02M7-10PA- <b>489</b>
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- <b>501</b>
MOD-518	Waterblock sealing of printed circuit board and solder cup receptacles. Sealing meets 10 <sup>-4</sup> 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- <b>518</b>

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	96	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