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The Series 80 “Mighty Mouse” Connector is designed for high-reliability commercial and aerospace/defense interconnect applications that require both robust environmental/EMI performance and reduced size and weight. The Series 80 “Mighty Mouse” Connector offers comparable performance to MIL-DTL-38999 Series interconnects with up to 71% weight and 52% size savings for similar contact layouts. The six versions of the product offer a variety of styles and features to suit just about any application.

### Series 800



### Series 801



Description	Original “Mighty Mouse” with UNF Threads	Double-Start ACME Thread
Notes	A general purpose connector for high-speed Ethernet switches, tactical equipment and instrumentation.	More rugged keys and threads compared to Series 800. Faster mating, slightly larger than Series 800.
Number of Contacts	3 to 37	3 to 130
Coupling	Threaded Coupling with 4 ½ Turns to Full Mate	Threaded Coupling with 1 ½ Turns to Full Mate
Water Immersion	MIL-STD-810 Method 512 1 Meter for 1 Hour	MIL-STD-810 Method 512 1 Meter for 1 Hour
EMI Shielding	Good	Good
Vibration and Shock	37 g's Random Vibration; 300 g's Shock	37 g's Random Vibration; 300 g's Shock
Mating Cycles	2000 Cycles	2000 Cycles
Electrical Performance	#12: 23 AMP, 500 VAC #16: 13 AMP, 500 VAC #23: 5 AMP, 500 VAC	#12: 23 AMP, 500 VAC #16: 13 AMP, 500 VAC #23: 5 AMP, 500 VAC
Proven Performance Applications	Commercial air frame sensors; UAV telemetry; Tactical computers; field radios	Military air frame; Dismounted soldier; Tactical ground weaponry; Avionic (FLIR) systems

Dimensions in inches (millimeters) and are subject to change without notice.

# Series 80 "Mighty Mouse" Product Selection Guide



## Series 802

## Series 803

## Series 804

## Series 805



"Aqua Mouse"  
3500 PSI

Bayonet

Push-Pull

Triple-Start ACME  
Thread

Rugged stainless steel,  
resists chemicals.  
For geophysical and  
underwater applications.

Quick-mating, light duty,  
general purpose. Not rated  
for immersion. 50 milliohms  
shell-to-shell resistance.

Breakaway connector  
for headsets and tactical  
equipment. Gold-plated  
spring for long mating life  
and superior EMI shielding.

"Clicker" ratchet  
mechanism and ground  
spring for military airframes  
and avionics boxes. Fast-  
mating, D38999 equivalent.

3 to 130

3 to 55

3 to 85

4 to 130

Threaded Coupling with  
UN Threads

Push-to-Mate, ¼ Turn to  
Lock

Quick-Disconnect

One Full Turn for Full  
Mate

1000 Feet Immersion in  
Salt Water

Splashproof

MIL-STD-810 Method 512  
1 Meter for 1 Hour

MIL-STD-810 Method 512  
1 Meter for 1 Hour

Good

Fair

Very Good

Excellent

37 g's Random Vibration;  
300 g's Shock

37 g's Random Vibration;  
300 g's Shock

37 g's Random Vibration;  
300 g's Shock

37 g's Random Vibration;  
300 g's Shock

2000 Cycles

250 Cycles Aluminum  
2000 Cycles SST

2000 Cycles

500 Cycles

#12: 23 AMP, 500 VAC  
#16: 13 AMP, 500 VAC  
#23: 5 AMP, 500 VAC

#12: 23 AMP, 500 VAC  
#16: 13 AMP, 500 VAC  
#23: 5 AMP, 500 VAC

#12: 23 AMP, 500 VAC  
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#23: 5 AMP, 500 VAC

#12: 23 AMP, 500 VAC  
#16: 13 AMP, 500 VAC  
#23: 5 AMP, 500 VAC

Pipe line inspection  
equipment; Well logging;  
Amphibious vehicles;  
Unmanned submersibles

Soldier system radios;  
Autosport diagnostics;  
Airborne surveillance;  
Communication systems

Helmet breakaway  
connector; QDC battery;  
Missile applications;  
Weapon interconnects

Autosport; Military air  
frame; Joint Strike Fighter

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