



Series 80 Mighty Mouse Standard Series Discrete Connector Offerings

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

1 to 37

1 to 130

Coupling

Threaded Coupling with 4 ½ Turns to Full Mate

Threaded Coupling with 1 ½ Turns to Full Mate

Water Immersion, Mated

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, 1800 VAC
#16: 13 Amp, 1800 VAC
#20HD: 7.5 Amp, 1000 VAC
#23: 5 Amp, 750 VAC

#12: 23 Amp, 1800 VAC
#16: 13 Amp, 1800 VAC
#20HD: 7.5 Amp, 1000 VAC
#23: 5 Amp, 750 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

**Series 80 Mighty Mouse
Standard Series
Discrete Connector Offerings**



Series 802	Series 803	Series 804	Series 805
			
AquaMouse™ 3500 PSI	Bayonet	Push-Pull	Triple-Start ACME Thread
<p>Rugged stainless steel, resists chemicals. For geophysical and underwater applications.</p>	<p>Quick-mating, light duty, general purpose. Not rated for immersion. 50 milliohms shell-to-shell resistance.</p>	<p>Breakaway connector for headsets and tactical equipment. Gold-plated spring for long mating life and superior EMI shielding.</p>	<p>“Clicker” ratchet mechanism and ground spring for military airframes and avionics boxes. Fast-mating, D38999 equivalent.</p>
1 to 130	1 to 55	1 to 55	1 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 Aluminum 2000 Cycles SST	500 Cycles
#12: 23 Amp, 1800 VAC #16: 13 Amp, 1800 VAC #20HD: 7.5 Amp, 1000 VAC #23: 5 Amp, 750 VAC	#12: 23 Amp, 1800 VAC #16: 13 Amp, 1800 VAC #20HD: 7.5 Amp, 1000 VAC #23: 5 Amp, 750 VAC	#12: 23 Amp, 1800 VAC #16: 13 Amp, 1800 VAC #20HD: 7.5 Amp, 1000 VAC #23: 5 Amp, 750 VAC	#12: 23 Amp, 1800 VAC #16: 13 Amp, 1800 VAC #20HD: 7.5 Amp, 1000 VAC #23: 5 Amp, 750 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	Military air frame; Joint Strike Fighter

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Circular MIL Spec Connector](#) category:

Click to view products by [Glenair](#) manufacturer:

Other Similar products are found below :

[89075GULPR](#) [0025-262-542](#) [0025-264-3014](#) [58-570121-04S](#) [0134-213-1208](#) [0134-213-2209](#) [0025-258-000](#) [60-042022-07P](#) [60-042022-19P](#)
[60-042022-23P](#) [60-042217-10P](#) [60-042217-11P](#) [0114-201-1278](#) [012-0467-000](#) [602GB06EG24-61SN](#) [0134-201-1207](#) [0134-213-1006](#) [6104-](#)
[207-2302](#) [6104-208-1902](#) [61-168211-04P](#) [61-168617-10P](#) [6131-202-19149P](#) [6131-204-21149P](#) [6131-208-13149P](#) [6131-209-17149P](#) [6131-](#)
[210-11149P](#) [6131-211-19149P](#) [6131-216-19149P](#) [6131-259-21149P](#) [6131-259-23149P](#) [6131-265-17149P](#) [6131-265-19149P](#) [CS3100A18-1P-](#)
[472](#) [CS3100A-36-77P](#) [CS3101A-16-55P](#) [CS3102A-10SL-55P](#) [CS3102A-14S-58P](#) [CS3102A-18-1P116](#) [CS3102A-32-17P](#) [CS3102A32-25S](#)
[CS3102C18-4P-472](#) [CS3106A10SL3S004](#) [CS3106A-18-73S](#) [CS3108A-14S-52S](#) [CS3108A-28-51S](#) [6162-233-1277](#) [6162-324-1231](#)
[M243082296Z](#) [M2884010AC1S1](#) [CT0-24-10SC](#)