



SERIES 80

Mighty Mouse Connectors and Cables



Special Application Mating Style Guide

In addition to our standard Series 80 Mighty Mouse Connector offerings Glenair has introduced unique variations of the Mighty Mouse Series to meet the requirements of high-speed, high-density applications

Size #8 Contact Arrangements



High-Density



Ultra Low Profile



Description	For Use with Power or Shielded Size #8 Contacts	High-Density	Cobra™
Notes	Low-profile, lightweight connector compatible with size #8 Twinax, Quadrax, coax, and power	TwistPin contacts for increased circuit density and outstanding shock and vibration performance	90 cable routing with superior sealing-IP68 when mated-for complete system protection against water, sand and dust
Number of Contacts	1 to 5	7 to 42	4 to 130
Coupling	Threaded Coupling with: 801 - 1 ½ Turns to Full Mate 805 - 1 full turn to Full Mate	Threaded Coupling with 1 ½ Turns to Full Mate	Threaded Coupling with ratchet mechanism
Water Immersion, Mated Condition	MIL-STD-810 Method 512 1 Meter for 1 Hour	MIL-STD-810 Method 512 1 Meter for 1 Hour	MIL-STD-810 Method 512 1 Meter for 1 Hour
EMI Shielding	801 - Good 805 - Excellent	Good	Excellent
Vibration and 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
Mating Cycles	801 - 2000 Cycles 805 - 500 Cycles	2000 Cycles	801 and 804: 2000 Cycles 805: 500 Cycles
Electrical Performance	#8 Power Contacts: 46 Amp #8 Coax: 75 Ohm; 1300 VAC #8 Quadrax: 100 Ohm #8 Con. Twinax: 1A; 500 VAC #8 Dif.Twinax: 100 Ohm	3 Amp, 600 VAC	#23: 5 Amp; 750 VAC
Proven Performance Applications	Commercial and military avionics that use industry standard size #8 quadrax, coax, twinax, and power contacts	Ultra high-density solution for soldier gear, unmanned systems, and man-portable satellite uplink equipment	Ideal for soldier systems such as battery units, ruggedized laptops, command, and communications equipment

Connector Series Overview



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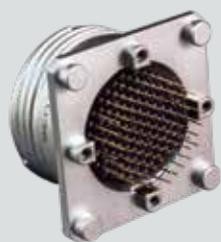


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CODE RED

Micro USB



Description	Light-Weight Hermetic	SuperSeal™ <i>(See SuperSeal Catalog)</i>
Notes	10 ⁻⁷ ccHe/sec hermetic sealing with improved weight savings and electrical performance	Superior sealing—IP68 when mated and IP67 unmated—for complete system protection against water, sand and dust
Number of Contacts	Connector Dependent	Micro USB
Coupling	Connector Dependent	Double-Start Stub Acme Threaded, QDC Push-Pull, and Triple-Start Threaded
Water Immersion, Mated Condition	No recommended for fluid immersion	MIL-STD-810 Method 512 1 Meter for 1 Hour
EMI Shielding	Connector Dependent	Good
Vibration and Shock	37 g's Random Vibration; 300 g's Shock	37 g's Random Vibration; 300 g's Shock
Mating Cycles	Connector Dependent	2000 Cycles
Electrical Performance	Improved performance over Glass-to-Metal Seal Inconel Connectors	USB: Signal pins: 1 Amp Power pins: 1.8 Amp DWV: 600 VAC
Proven Performance Applications	Commercial and military avionics that use industry standard size #8 quadrax, coax, twinax and power contacts	Ruggedized environmental solution for commercial grade micro USB integration in military and avionics gear

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