



Series 80 Mighty Mouse Special Application Series Discrete Connector Offerings

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



Description	For Use with Power or Shielded Size #8 Contacts	High-Density
Notes	Low-profile, lightweight connector compatible with size #8 Twinax, Quadrax and coax contacts as well as power	TwistPin contacts for increased circuit density and outstanding shock and vibration performance
Number of Contacts	1 to 5	7 to 42
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
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	801 - Good 805 - Excellent	Good
Vibration and 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
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
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

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High-Speed	Low Impedance Twinax	Micro USB	Ultra Low Profile
			
<p>High-Speed</p>	<p>#12 Ultra-Twinax</p>	<p>SuperSeal™</p>	<p>Cobra™</p>
<p>Features DuPont Teflon® insulators for superior electrical performance in protocol specific applications like eSATA and USB 2.0/3.0</p>	<p>Size #12 Twinax contacts for ultra-high speed differential pair applications such as LVDS and CML</p>	<p>Superior sealing—IP68 when mated—for complete system protection against water, sand and dust</p>	<p>Superior sealing—IP68 when mated—for complete system protection against water, sand and dust</p>
<p>4 to 26</p>	<p>1 to 200</p>	<p>Micro USB</p>	<p>4 to 130</p>
<p>801 - Threaded Coupling with 1 ½ Turns to Full Mate 804 - Push/Pull</p>	<p>Threaded Coupling with 1 ½ Turns to Full Mate</p>	<p>Double-Start Stub Acme Threaded, QDC Push-Pull, and Triple-Start Threaded</p>	<p>801 - Double Start 804 - Push Pull Plug 805 - Triple Start Plug</p>
<p>MIL-STD-810 Method 512 1 Meter for 1 Hour</p>	<p>MIL-STD-810 Method 512 1 Meter for 1 Hour</p>	<p>MIL-STD-810 Method 512 1 Meter for 1 Hour</p>	<p>MIL-STD-810 Method 512 1 Meter for 1 Hour</p>
<p>801 - Good 804 - Very Good</p>	<p>Good</p>	<p>Good</p>	<p>Excellent</p>
<p>37 g's Random Vibration; 300 g's Shock</p>	<p>37 g's Random Vibration; 300 g's Shock</p>	<p>37 g's Random Vibration; 300 g's Shock</p>	<p>37 g's Random Vibration; 300 g's Shock</p>
<p>2000 Cycles</p>	<p>2000 Cycles</p>	<p>2000 Cycles</p>	<p>801 and 804: 2000 Cycles 805: 500 Cycles</p>
<p>#23: 5 Amp; 750 VAC</p>	<p>#12: 1 Amp, 1800 VAC</p>	<p>USB: Signal pins: 1 Amp Power pins: 1.8 Amp DWV: 600 VAC</p>	<p>#23: 5 Amp; 750 VAC</p>
<p>High-speed solution for databus frequencies above 1 GHz such as eSATA, 10GBASE-T and LVDS</p>	<p>High-speed differential impedance solution for multi-gigabit data rate applications such as CML</p>	<p>Ruggedized environmental solution for commercial grade micro USB integration in military and avionics gear</p>	<p>Ideal for soldier systems such as battery units, ruggedized laptops, command and communications equipment</p>