



## SERIES 85

Small form-factor Series 80 Mighty Mouse with industry-standard Quadrax contacts

# RF, Microwave, and Datalink Contacts

## High speed and high availability

Glenair's growing portfolio of high-speed solutions now includes a wide selection of RF, microwave and datalink contacts. Compatible with MIL-DTL-38999 connectors, these contacts also fit Glenair Series 80 Mighty Mouse, Series 79 Micro-Crimp® and Series 23 SuperNine® connectors. Designed in accordance with SAE AS39029 requirements, these contacts are suitable for aerospace and defense equipment subjected to high-vibration and temperature extremes. Glenair's complete high-speed solution also includes a wide variety of standard and modified connectors, cordsets, fiber optic and opto-electronic technologies. Our rapid-response engineering and manufacturing capabilities allow us to quickly design and build customized interconnects and systems.

- 50 and 75 ohm coax contacts
- Spring-loaded microwave contacts
- Full 10G Ethernet per channel: El Ochito® octaxial contacts
- 100 Ohm differential Twinax
- Industry-standard Quadrax

### HIGH-REL CONNECTOR PACKAGING



El Ochito® 10GBase-T Ethernet contacts installed in a high-density rectangular connector

El Ochito® contacts installed in a Series 23 SuperNine® connector



Custom right angle board mount connector with Twinax contacts

# RF, microwave, and datalink contacts



## Featuring El Ochito® 10G Ethernet-ready contacts

RF, Microwave, and Datalink Contact Selection Guide			
 <p><b>Size #8 AS39029 Coaxial</b> For RG-180 cable. Crimp termination. Snap-in, rear release. Compatible with D38999 Series I, III, and IV, SuperNine, and Mighty Mouse connectors with size 8 cavities. dc – 700 MHz.</p>	 <p><b>Size #12 AS39029 Coaxial</b> For RG-174, RG-179, RG-180 and RG-316 cable. Crimp termination. Snap-in, rear release. Compatible with D38999 Series I, II, III, and IV, SuperNine, Series 79 MicroCrimp and Mighty Mouse connectors with size 12 cavities. dc – 3 GHz.</p>	 <p><b>Size #16 AS39029 Coaxial</b> For RG-174, RG-178, RG-179 and RG-316 cable. Crimp termination. Snap-in, rear release. Compatible with D38999 Series I, II, III, and IV, SuperNine, Series 79 and Mighty Mouse connectors with size 16 cavities. dc – 500 MHz.</p>	 <p><b>Size #8 50 Ohm Matched-Impedance</b> For RG-316 and M17/220-0001 cable. Compatible with D38999, SuperNine and Mighty Mouse connectors. Crimp termination. Snap-in, rear-release. 50 ohm impedance. dc – 6 GHz.</p>
 <p><b>Size #12 50 Ohm Matched-Impedance</b> For RG-178, RG-316, and RG-405 flex cable. Compatible with D38999 Series I, II, III and IV, SuperNine, Series 79 and Mighty Mouse connectors. Crimp termination. Snap-in, rear-release. 50 ohm impedance. dc – 3 GHz.</p>	 <p><b>Size #8 75 Ohm Matched-Impedance</b> For RG-179, RS170, SMPTE 292M, SMPTE 424M and other cables. Compatible with D38999 Series I, III, and IV, SuperNine and Mighty Mouse connectors. Crimp termination. Snap-in, rear-release. dc – 4 GHz.</p>	 <p><b>Size #12 75 Ohm Matched-Impedance</b> For high performance RS170, SMPTE 292M and other video cables. Compatible with D38999 Series I, II, III, and IV, SuperNine, Series 79 and Mighty Mouse connectors. Crimp termination. Snap-in, rear-release. dc – 3 GHz.</p>	 <p><b>Size #8 Spring-Loaded BMB 18 GHz</b> Conform to the MIL-STD-348 BMB interface standard. For RG-402-FLEX and RG-405-FLEX cables. Compatible with MIL-DTL-38999 Series I, III, and IV, SuperNine and Mighty Mouse connectors. Solder termination. dc – 18 GHz.</p>
 <p><b>Size #12 SMPM Style Spring-Loaded 40 GHz</b> For RG-405-FLEX cable, compatible with D38999, Series 23 SuperNine, Series 79 and Series 80 Mighty Mouse connectors. Solder termination. dc – 40 GHz.</p>	 <p><b>Size #8 AS39029 Concentric Twinax</b> For 77 ohm shielded twisted pair cable. Meet the requirements of M39029/113 and /114. Compatible with D38999, Series 23 SuperNine and Mighty Mouse connectors. Use with M17/176-00002 databus cable, 10 MHz maximum operating frequency.</p>	 <p><b>Size #8 100 Ohm Concentric Twinax</b> For 24 AWG 100 ohm shielded twisted pair data cable. Compatible with D38999 Series I, III, and IV, Series 23 SuperNine and Series 80 Mighty Mouse connectors. Accepts TE/Raychem 0024A0024 and Gore GSC-03-81416-00 cables.</p>	 <p><b>Size #12 Concentric Twinax</b> For 77 ohm shielded twisted pair data cable. Used for MIL-STD-1553 databus applications, Meet the requirements of JN1104, DSCC 02003 and DSCC 02004. For D38999 Series I, III, and IV connectors. Snap-in, rear release, crimp termination.</p>
 <p><b>Size #8 100 Ohm Differential Twinax</b> For 68, 75, 77 and 100 ohm shielded twisted pair cable including M17/176-00002 databus cable. For Mighty Mouse connectors and Glenair 233-217 D38999-type Series III connectors with keyed #8 cavities. dc – 3 GHz</p>	 <p><b>Size #12 100 Ohm Differential Ultra-Twinax</b> For multi-gigabit data rate applications such as CML, LVDS. Use high-speed #30 AWG twisted pair cable. For Mighty Mouse connectors with size #12 cavities. dc – 10 GHz frequency range. Solder termination.</p>	 <p><b>Size #8 100 Ohm and 150 Ohm Quadrax</b> 100 ohm Ethernet / 150 ohm Fibre Channel. Compatible with Mighty Mouse and Glenair 233-217 D38999-type Series III connectors with keyed #8 inserts. Accept aerospace grade quad cable.</p>	 <p><b>Size #8 El Ochito®</b> 1000BASE-T and 10GBASE-T capability. #8 snap-in contact with eight inner contacts. Data pair isolation technology reduces crosstalk between pairs. Accepts flight-grade Cat6a cable with #26AWG conductors.</p>