



Fluoropolymer PFA Insulators • Ultra-Twinax
Size #8 Quadrax/Twinax • Size #8 El Ochito®

Mighty Mouse High-Speed and Ultra-Twinax connectors: rugged environmental sealing and high-speed matched impedance electrical performance in an ultraminiature package



Combine Mighty Mouse with—or even eliminate—low-performance commercial high-speed connectors

Glenair Series 80 Mighty Mouse connectors are the new industry standard for high-performance ultraminiature connectors. Now Glenair expands the Mighty Mouse line to include connectors optimized for high-speed matched impedance performance. The Mighty Mouse High-Speed product line features Fluoropolymer insulators for superior electrical performance in protocol-specific applications such as eSATA and USB 2.0/3.0.

Mighty Mouse Ultra-Twinax connectors utilize size #12 Twinax contacts for ultra-high speed differential pair applications such as LVDS and CML.

MIGHTY MOUSE HIGH-SPEED



Series 80 Mighty Mouse High Speed Connectors with Fluoropolymer PFA Insulators

- For high-speed protocols: eSATA, 10GBASE-T, USB 2.0 / 3.0
- Fluoropolymer PFA insulators for superior insertion loss and balanced impedance
- Series 801 double-start ACME thread and Series 804 push-pull quick disconnect connectors available
- Discrete components or overmolded cordsets

MIGHTY MOUSE ULTRA-TWINAX



Series 80 Mighty Mouse Ultra-Twinax Connectors with Size #12 Twinax contacts

- For ultra high-speed differential pair applications: LVDS, CML
- Size #12 Twinax and hybrid contact arrangements
- Series 801 double-start ACME thread connectors
- Discrete components or overmolded cordsets
- Frequency range from DC to 10GHz

MIGHTY MOUSE WITH SIZE #8 QUADRAX, EL OCHITO® AND DIFFERENTIAL TWINAX CONTACTS



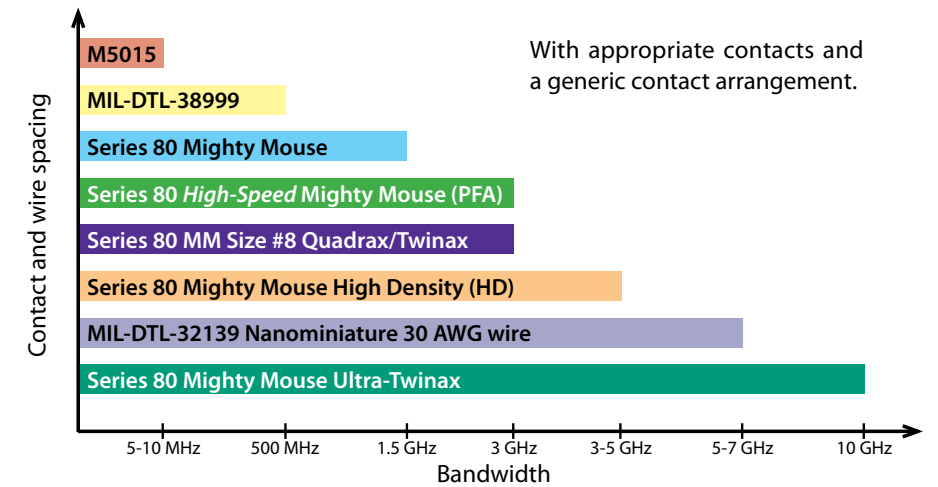
Series 805 Mighty Mouse plug with size 8 Quadrax contacts

- Differential Twinax contacts for 100 Ohm serial data transmission
- Quadrax contacts for 100BASE-T Ethernet
- Arrangements for 1, 2, 3, 4 or 5 snap-in, rear-release contacts
- Lightweight, low profile
- Comprehensive range of assembly tooling
- Available for Series 801 (double-start) and 805 (triple-start) Mighty Mouse connectors
- El Ochito®: the ultimate ethernet contact

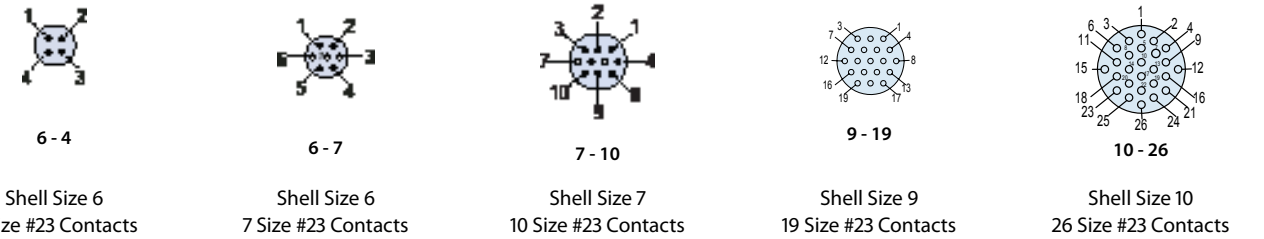


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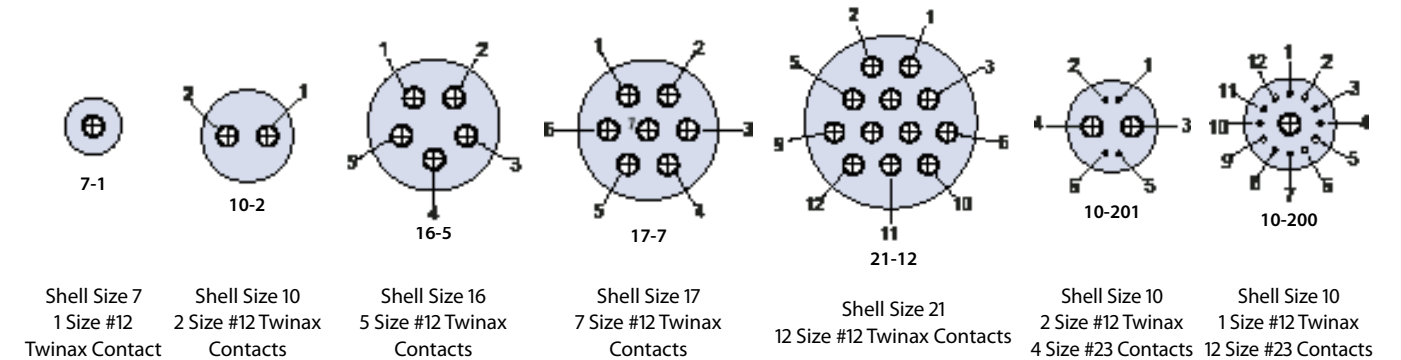
This table compares contact and wire spacing and bandwidth performance in miniaturized interconnect applications. As contact density increases, the performance of the interconnect improves. Note the position of the High-Speed and Size #8 Mighty Mouse compared to standard Mighty Mouse, and the position of the Ultra-Twinax Mighty Mouse with performance up to 10 GHz. The density of the Ultra-Twinax contacts is measured between the two components in each contact—so although the #12 contact is larger overall, the effective contact density is higher.



Mighty Mouse High Speed Contact Arrangements Mating Face View of Pin Connector (Socket Connector Numbers are Reversed)



Mighty Mouse Ultra Twinax Size #12 Differential Twinax Contact Arrangements (Mating Face/Pin Connector)



Mighty Mouse #8 Quadrax / Differential Twinax, and El Ochito® Contact Arrangements

