RF, Microwave and Datalink Contacts
for MIL-DTL-38999, SuperNine®, Mighty Mouse and Micro-Crimp® Connectors

Twinax Contacts
Size #8 Differential Twinax Contacts


### Technical Data

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### Sealing Boot

Sealing boots are supplied with contacts. To order contacts without sealing boots, delete the "F" suffix from the part number.

- Inner contacts, outer body: copper alloy, 50 microinches gold over nickel plating
- Crimp ferrule: copper alloy, 50 microinches gold over nickel plating
- Insulators: PPS
- Sealing boot: fluorosilicone rubber grommet, glass-filled PEI follower

Differential twinax contacts have an alignment key and are not for use in standard MIL-DTL-38999 connectors.

Glenair 233-217 MIL-DTL-38999 Series III connectors with keyed inserts for contact alignment.

Glenair Series 80 Mighty Mouse. All standard Mighty Mouse connectors with size #8 contacts have keyed contact cavities for proper alignment of differential twinax, quadax, and octaxial contacts.
Twinax Contacts

Size #8 Differential Twinax Contacts

Pin Contact 853-014 and 853-025

Socket Contact 853-013 and 853-024

Crimp Tools, Removal Tool, Assembly Instruction Sheet

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Inner Contact Crimp Tools

809-015 (M22520/2-01)

809-240 (M22520/2-37)

809-129 (M22520/5-01)

859-007 (M22520/5-45)

859-049 (M81969/14-12)

Outer Body Crimp Tools

Removal Tool
### Shielded Twisted Pair Cables for Differential Twinax Contacts

**Raychem 0024A0024 100 Ohm 24 AWG Twisted Pair Cable**

- **Impedance**: $100 \pm 7$ ohms @ 1 MHz
- **DWV Rating**: 1000 Vrms
- **Temperature Rating**: -55° to +200° C

**Gore GSC-03-83971-00 100 Ohm 24 AWG Twisted Pair Cable**

- **Impedance**: $100 \pm 7$ ohms
- **DWV Rating**: 1000 Vrms
- **Temperature Rating**: -65° to +200° C

**Raychem 7726D0664-9 77 Ohm 26 AWG Twisted Pair Cable**

- **Impedance**: $77 \pm 5$ ohms @ 1 MHz
- **DWV Rating**: 1000 Vrms
- **Temperature Rating**: -65° to +150° C

**Gore DXN2603 100 Ohm 26 AWG Twisted Pair Cable**

- **Impedance**: $100 \pm 10$ ohms
- **Attenuation**: 31.2 dB / 100 ft. @ 1 GHz
- **Temperature Rating**: +200° C

**M17/176-00002 Shielded Twisted Pair Databus Cable**

- **Impedance (ohms)**: $77 \pm 7$ at 1 MHz
- **DWV Rating**: 1000 Vrms
- **Temperature Rating**: -65° to +200° C

**Tensolite 24443/52088X2 75 Ohm 24 AWG Twisted Pair Cable**

- **Impedance (ohms)**: 75 ± 5
- **DWV Rating**: 1500 Vrms
- **Temperature Rating**: -65° to +200° C

**ST5M1212-002 68 Ohm 24 AWG Twisted Pair Cable**

- **Impedance**: $68 \pm 4$ ohms
- **DWV rating**: 1500 Vrms
- **Temperature Rating**: -65° to +200° C