

Reference and Technical Data

Contact Information and Specifications

Coax Contacts for Hi-Speed HiPer-D		
	Specifications	Construction
	■ Cable accommodation: RG316, RG316DS, RG142, RG400 ■ Operating temperature: -65 °C. to +175 °C. ■ Nominal impedance: 50 ohms ■ Frequency range: DC – 3 GHz ■ DWV: 1300 Vac ■ Durability: 500 mating cycles ■ Shock: EIA-364-27 condition D ■ Vibration: EIA-364-28 condition VI ■ Meets applicable SAE AS39029 requirements	■ Center contact, contact body, crimp ferrule: copper alloy, 50 microinches gold over nickel plating ■ Insulator: fluoroplastic
		Notes 1. Center contact is solder termination. 2. Shield ferrule is hex crimp termination.
Concentric Twinax Contacts for Hi-Speed HiPer-D		
	Specifications	Construction
	■ 77 ohm and 100 ohm versions ■ Operating temperature: -65 °C. to +175 °C. ■ Wire accommodation: M17/176-0002 (77 ohm), 0024A0024 (TE), GSC-02-81416-00 (Gore) ■ DWV: 500 Vac (intermediate contact to outer body) ■ Durability: 500 mating cycles ■ Shock: MIL-DTL-38999 Series III ■ Vibration: MIL-DTL-38999 Series III ■ Meets applicable SAE AS39029 requirements	■ Center contact, intermediate contact, outer contact, crimp ferrule: copper alloy, 50 microinches gold over nickel plating ■ Insulator: PEEK and PTFE ■ Socket contact hood: stainless steel
		Notes 1. Crimp termination.
Differential Twinax Contacts for Hi-Speed HiPer-D		
	Specifications	Construction
	■ Wire accommodation: #24 and #26 AWG shielded twisted pair ■ Frequency range: DC – 20 MHz ■ Operating temperature: -65 °C. to +175 °C. ■ DWV: 500 Vac (inner contact to outer body) ■ Durability: 500 mating cycles ■ Shock: MIL-DTL-38999 Series III ■ Vibration: MIL-DTL-38999 Series III ■ Meets applicable SAE AS39029 requirements	■ Inner contact, outer contact, crimp ferrule: copper alloy, 50 microinches gold over nickel plating ■ Insulator: PPS
		Notes 1. Crimp termination.

Reference and Technical Data

Contact Information and Specifications

Quadrax Contacts for Hi-Speed HiPer-D		
	Specifications	Construction
	■ Wire accommodation: 22, 24, and 26 AWG shielded quad cable ■ Operating temperature: -65 °C. to +175 °C. ■ Characteristic impedance: 100 ohms ■ Propagation delay: ANSI/TIA-568-C.2 paragraph 6.8.18 (Cat 5e) ■ Insertion loss: ANSI/TIA-568-C.2 paragraph 6.8.7 (Cat 5e) ■ Near-End Crosstalk: ANSI/TIA-568-C.2 paragraph 6.8.8 (Cat 5e) ■ Far-End Crosstalk: ANSI/TIA-568-C.2 paragraph 6.8.10 (Cat 5e) ■ Return Loss: ANSI/TIA-568-C.2 paragraph 6.8.6 (Cat 5e) ■ Frequency range: DC – 3 GHz ■ DWV: 500 Vac inner contacts to outer contact, 1000 Vac inner contact to inner contact ■ Insulation resistance: 5000 megohms min. ■ Durability: 500 mating cycles ■ Shock: MIL-DTL-38999 Series III ■ Vibration: MIL-DTL-38999 Series III ■ Meets SAE AS39029/119 and /120 requirements	■ Inner contacts, outer contact, shield crimp ferrule: copper alloy, 50 microinches gold over nickel plating ■ Insulator: PPS
		Notes
		1. Crimp termination
El Ochito® Contacts for Hi-Speed HiPer-D		
	Specifications	Construction
	■ Wire accommodation: 22, 24, and 26 AWG shielded twisted pair cable ■ Operating temperature: -65 °C. to +175 °C. ■ Characteristic impedance: 100 ohms ■ Propagation delay: ANSI/TIA-568-C.2 (Cat 6a, 10GBASE-T) ■ Insertion loss: ANSI/TIA-568-C.2 (Cat 6a, 10GBASE-T) ■ Near-End Crosstalk: ANSI/TIA-568-C.2 (Cat 6a, 10GBASE-T) ■ Far-End Crosstalk: ANSI/TIA-568-C.2 (Cat 6a, 10GBASE-T) ■ Return Loss: ANSI/TIA-568-C.2 (Cat 6a, 10GBASE-T) ■ Frequency range: DC – 3 GHz ■ DWV: 500 Vac inner contacts to outer contact, 1000 Vac inner contact to inner contact ■ Insulation resistance: 5000 megohms min. ■ Durability: 500 mating cycles ■ Shock: MIL-DTL-38999 Series III ■ Vibration: MIL-DTL-38999 Series III	■ Inner contacts, outer contact, shield crimp ferrule: copper alloy, 50 microinches gold over nickel plating ■ Insulator: PPS
		Notes
		1. Crimp termination