Coax Contacts for Hi-Speed HiPer-D

Specifications

- Cable accommodation: RG316, RG316DS, RG142, RG400
- Operating temperature: -65 ºC. to +175 ºC.
- 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

Construction

- 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

- 77 ohm and 100 ohm versions
- Operating temperature: -65 ºC. to +175 ºC.
- 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

Construction

- 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

- Wire accommodation: #24 and #26 AWG shielded twisted pair
- Frequency range: DC – 20 MHz
- Operating temperature: -65 ºC. to +175 ºC.
- 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

Construction

- Inner contact, outer contact, crimp ferrule: copper alloy, 50 microinches gold over nickel plating
- Insulator: PPS

Notes

1. Crimp termination.

Quadrax Contacts for Hi-Speed HiPer-D

Specifications

- Wire accommodation: 22, 24, and 26 AWG shielded quad cable
- Operating temperature: -65 ºC. to +175 ºC.
- 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

Construction

- 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

- Wire accommodation: 22, 24, and 26 AWG shielded twisted pair cable
- Operating temperature: -65 ºC. to +175 ºC.
- 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

Construction

- Inner contacts, outer contact, shield crimp ferrule: copper alloy, 50 microinches gold over nickel plating
- Insulator: PPS

Notes

1. Crimp termination

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