

Protocols and Technical Data

El Ochito[®] White



1000BASE-T, 10GBase-T, 40GBASE-T

El Ochito[®] White octaxial contacts provide 40GbE in a single size #8 contact cavity (compared to two Quadrax) for 100BASE-T solutions.

El Ochito[®] Blue



SuperSpeed USB

Low-dielectric material. 90 ohms. El Ochito[®] Blue octaxial contacts provide an aerospace-grade solution for SuperSpeed USB 3.0

El Ochito[®] Red



HDMI, DisplayPort, SATA

Low-dielectric material. Up to 10 Gbps per pair. 100 ohms. El Ochito[®] Red octaxial contacts provide an aerospace-grade solution for multi-gigabit data rates.

Technical Data

Specifications	Construction	Connector Compatibility
<ul style="list-style-type: none"> ■ Operating temperature: El Ochito[®] White: -65° to +175°C El Ochito[®] Blue: -65° to +175°C El Ochito[®] Red: -65° to +175°C ■ Impedance: El Ochito[®] White: 100 ohms El Ochito[®] Blue: 90 ohms El Ochito[®] Red: 100 ohms ■ Dielectric withstanding voltage: 500 Vrms ■ Current Rating: 1.5 A ■ Insulation resistance: 5000 megohms min. ■ Durability: 500 mating cycles ■ Vibration: MIL-DTL-38999 Series III ■ Shock: MIL-DTL-38999 Series III 	<ul style="list-style-type: none"> ■ Inner contacts, outer contact, ferrules, retaining nut: copper alloy, 50 microinches gold over nickel plating ■ Insulators: El Ochito[®] White: rigid dielectric; white El Ochito[®] Blue: low-dielectric constant thermoplastic, blue El Ochito[®] Red: low-dielectric constant thermoplastic, red ■ O-ring: fluorosilicone ■ Adhesive Lined Shrink Boot: High performance Elastomer (Type II only) ■ Contact release sleeve: stainless steel, passivated ■ Sealing boot grommet: fluorosilicone blend ■ Sealing boot body: rigid thermoplastic, PEI or equivalent ■ Spline, El Ochito[®] White: copper alloy, nickel plating ■ Spline, Type II El Ochito[®]: stainless steel, nickel plating 	<ul style="list-style-type: none"> ■ El Ochito[®] contacts have an alignment key and are not suitable for use in standard MIL-DTL-38999 connectors. For use with Series 23 SuperNine ■ Series 806 and 816 with keyed size 8 cavities ■ Series 792 Ultraminiature Rectangular ■ 233-217 and 233-224 SuperNine[®] with keyed size 8 cavities ■ ARINC 600 quadraxial inserts ■ EPXB quadrax inserts ■ Series 28 HiPer-D[®] connectors (280-082 and 280-083) ■ EN3545 connectors