



El Ochito[®]24: The Ultimate High-Speed Contact

Superior size/weight reduction and signal integrity for the 10G Ethernet datalink protocol—optimized for rugged #24 AWG wire

El Ochito[®]24 contact modules are intended for harsh environment military and aerospace data networks utilizing popular high-speed Ethernet protocols. El Ochito[®]24 contact modules provide up to 50% total weight savings compared to quadrax contact solutions. El Ochito[®]24 contact modules are equipped with eight crimp-termination signal pins in a machined, gold plated outer housing. A patented metal spline isolates data pairs for improved signal integrity in controlled-impedance data applications. Optimized for use with aerospace-grade 24 AWG cables with unshielded or shielded data pairs. El Ochito[®]24 contacts snap into Series 80 Mighty Mouse and Series 23 SuperNine[®] connectors with keyed quadrax inserts. Supplied as an unassembled kit with outer body, (8) inner contacts, cable shield retaining nut, contact isolator sub-assembly, and termination instruction sheet. Factory-terminated jumpers also available.



Pin Contact



Socket Contact

- For rugged mil-aero grade #24 AWG wire
- DC – 4 GHz frequency range
- 100 ohms
- Data pair isolation technology
- 50% size and weight savings compared to quadrax contacts
- Snap-in, rear release
- Integrated removal tool
- Gold plated copper alloy
- 10GBase-T compatible

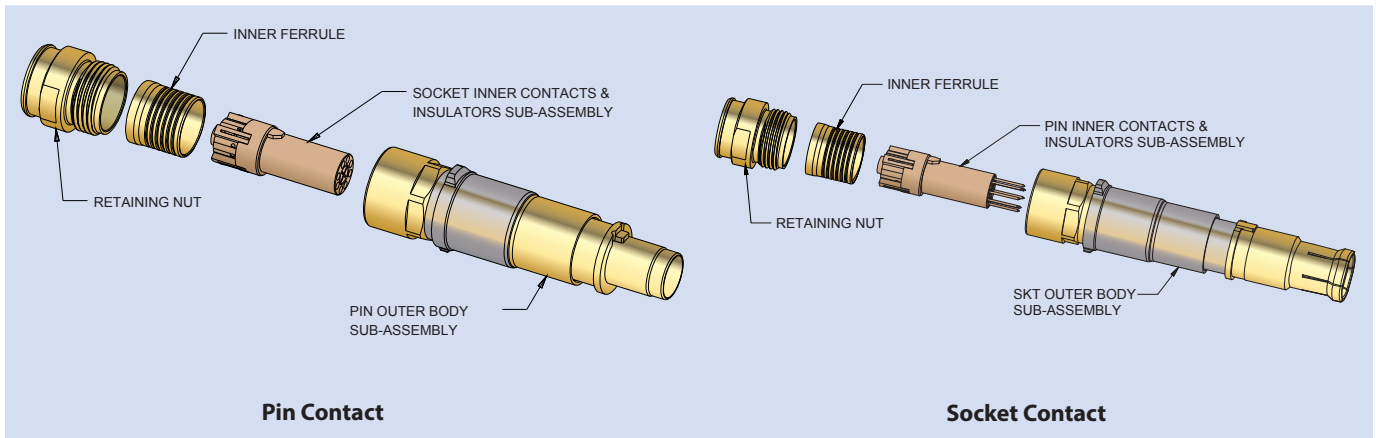
Technical Data	
Specifications	Construction
<ul style="list-style-type: none"> ■ Operating temperature: -65°C. to +175°C. ■ Operating frequency: DC – 4 GHz ■ Characteristic Impedance: 100 ohms ■ Dielectric withstanding voltage, inner to inner contact: 1000 Vrms sea level, 250 Vrms 70,000 feet. ■ Dielectric withstanding voltage, inner to outer contact: 500 Vrms sea level, 250 Vrms 70,000 feet. ■ 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, shield crimp ferrule: copper alloy, 50 microinches gold over nickel plating ■ Front, middle and rear insulator: PPS ■ Shrink tube: M23053/8
	Connector Compatibility
	<ul style="list-style-type: none"> ■ El Ochito[®]24 contacts have an alignment key and are not suitable for use in non-keyed connectors ■ Glenair Series 80 Mighty Mouse ■ Glenair 233-217 SuperNine[®]

El Ochito[®] 24: The Ultimate Shielded High-Speed Data Contact



for use in Mighty Mouse and SuperNine[®] series connectors

El Ochito[®] 24 High-Speed Octaxial Contact Construction Details



How To Order				
Sample Part Number			858-005	-01
Basic Part Number	858-005 El Ochito 24 pin contact 858-006 El Ochito 24 socket contact			
Cable Dash No.	Dash No.	Cables Accommodated	Ref. Cable O.D.	Assembly Inst.
	-01	963-003-26	.220	AI85096
	-02	963-033-26	.220	AI85097
	-03	963-003-24	.260	AI85096
	-04	963-033-24	.260	AI85097
-05	963-038-24	.295	AI85098	

Crimp Tools				
Contact PN	Inner Contacts		Outer Body	
	Crimper	Positioner	Crimper	Hex Die
858-005	809-015	859-101	809-129	859-007
858-006	(M22520/2-01)	(K1906)	(M22520/5-01)	(M22520/5-45)

Size #8 El Ochito[®] Contacts for Aerospace High Speed Ethernet Cable

Connector Type	Cable Type	Cable Description	Cable		Pin Contact	Socket Contact
			Mfr. Part Number	Glenair Part No.		
Series 80 Mighty Mouse 233-217 SuperNine [®]	S/UTP	Unshielded twisted pairs, 26 AWG	PIC E6A3826	963-003-26	858-005-01	858-006-01
	S/FTP	Foil shields on individual twisted pairs, 26 AWG	Gore RCN9047-26	963-033-26	858-005-02	858-006-02
	S/UTP	Unshielded twisted pairs, 24 AWG	PIC E6A0824	963-003-24	858-005-03	858-006-03
	S/FTP	Foil shields on individual twisted pairs, 24 AWG	Gore RCN9034-24	963-033-24	858-005-04	858-006-04
					963-038-24	858-005-05