MISSION-CRITICAL

INTERCONNECT SOLUTIONS

Glenair®



El Ochito® OCTAXIAL CONTACTS

High-speed shielded size #8 contacts and jumpers for 40 Gb Ethernet, SuperSpeed USB, HDMI, SATA, and DisplayPort

DECEMBER 2022

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DROP-IN
CONTACTS FOR MULTIPIN CONNECTORS

El Ochito

High-speed octaxial contacts for Ethernet, SuperSpeed USB and multi-gigabit datalinks



High speed, harsh environment El Ochito® octaxial contacts save size and weight. Suitable for aircraft avionics, weapons systems, satellites, radars, communications equipment and other aerospace/defense gear, El Ochito® contacts are optimized for 40G Ethernet, SuperSpeed USB and other multi-gigabit datalink protocols including HDMI, DisplayPort and SATA. Available discrete contacts and jumper assemblies are readily incorporated into Glenair aerospace-grade circular and rectangular connectors.



El Ochito® White

1000BASE-T
10GBASE-T
40GBASE-T



El Ochito® Blue

SuperSpeed
USB 3.0



El Ochito® Red

HDMI, SATA
DisplayPort

- **40GbE, SuperSpeed USB, and multi-gigabit shielded pairs**
- **Crimp shield termination and threaded (serviceable) shield termination contact types**
- **Turnkey single-ended and point-to-point jumpers**
- **Snap-in, rear release**
- **Environmentally sealed and shielded**
- **Aerospace-grade performance**

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El Ochito®

The Octaxial Contact for up to 40Gb Ethernet, SuperSpeed USB and Multi-Gigabit Data Rates



El Ochito® White | El Ochito® Blue | El Ochito® Red

El Ochito® contacts are intended for harsh environment military and aerospace data networks. El Ochito® contacts provide up to 50% total weight savings and 20 times faster data rates compared to legacy quadrax-based solutions. These contacts have eight crimp signal pins housed in a machined, gold plated outer contact. El Ochito® octaxial contacts are available in three versions: El Ochito® White for 40GbE Ethernet, El Ochito® Blue for SuperSpeed USB, and El Ochito® Red for multigigabit 100 ohm protocols such as HDMI and SATA.

El Ochito® contacts are compatible with industry standard ARINC 600, EPXB and MIL-DTL-38999 connectors. Contact series is also optimized for Series 816, Series 792 Micro-Crimp Rectangular, Series 23 SuperNine®, micro miniature Series 806 Mil-Aero, and nano miniature circular SuperFly Datalink.



El Ochito® Overview

Protocols and Technical Data 2
Exploded Views of Type I and Type II Contacts 3

El Ochito® Signal Integrity Data

10GBASE-T Cat 6A Compliance Testing for El Ochito® White 4
USB Compliance Testing for El Ochito® Blue 5

El Ochito® Contacts, Assembly Tools, and Sealing Boots

El Ochito® Ordering Information 6
NASA Space-Grade Guidelines and Outgas Data 14
Dimensions 16
Assembly Kit and Tools 22
Sealing Boots 34

Bulk Cable for El Ochito® Contacts

Aerospace-Grade, Cat 6A and Cat 8 Cable for El Ochito White 26
Aerospace-Grade, SuperSpeed USB 3.0 Cable for El Ochito Blue 31
Aerospace-Grade, HDMI and DisplayPort, SATA, and 100 Ohm High-Speed Cable for El Ochito Red 32

Pre-Wired El Ochito® Cable Assemblies

El Ochito® White Assemblies with Cat 6A and Cat 8 Ethernet Cable 35
El Ochito® Blue Assemblies for SuperSpeed USB 42
El Ochito® Red Assemblies for Multi-Gigabit Data 46

El Ochito® Test Adapters for Connectors

Jumper Cable Mating Adapters, Test Adapters and Evaluation Fixtures 50

El Ochito® PCB Transition Adapters

858-025 El Ochito® PCB Transition Adapters 56

El Ochito® Connector Selection Guide

El Ochito® Connector Selection Guide 55
El Ochito® Backshell Selection Guide 57

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El Ochito® White



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

Up to 40 Gigabit Ethernet. El Ochito® "White" octaxial contacts provide an aerospace-grade solution for Ethernet signals up to 40GBASE-T.

El Ochito® Blue



SuperSpeed USB

90 ohms up to 5 Gbps. El Ochito® "Blue" octaxial contacts provide an aerospace-grade solution for SuperSpeed USB.

El Ochito® Red



HDMI, DisplayPort, SATA

100 ohms up to 10 Gbps per pair. El Ochito® "Red" octaxial contacts provide an aerospace-grade solution for multi-gigabit signals.

Technical Data

Specifications

- **Operating temperature**: -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

Construction

- **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 Only):** copper alloy, nickel plating
- **Cross Spacer, Type II El Ochito®:** copper alloy, nickel plating

Connector Compatibility

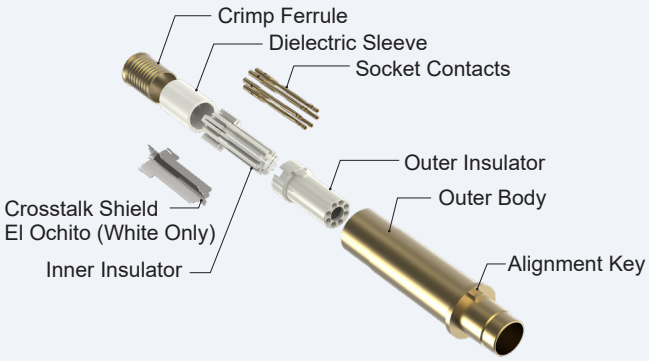
- **El Ochito® contacts have an alignment key and are not suitable for use in standard MIL-DTL-38999 connectors. For use with Series 23 SuperNine**
- Series 806 and 816 with keyed size 8 cavities
- Series 792 Ultraminiature Rectangular
- 233-217 and 233-224 SuperNine® with keyed size 8 cavities
- ARINC 600 quadraxial inserts
- EPXB quadrax inserts
- Series 28 HiPer-D® connectors (280-082 and 280-083)
- EN3545 connectors

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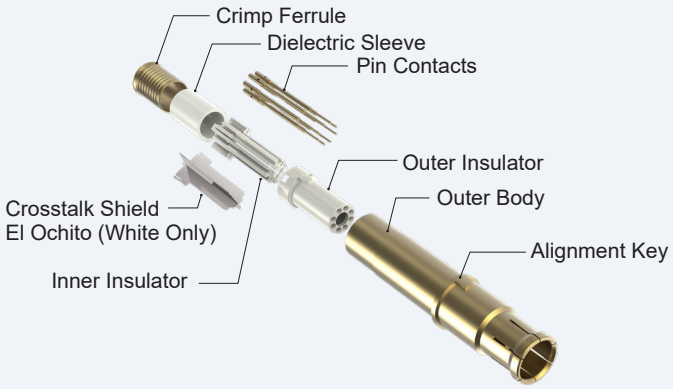
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Exploded Views of Type I and Type II Contacts

El Ochito® White Type I Contacts, Non-Serviceable
26 AWG, Crimp Wire Shield Termination

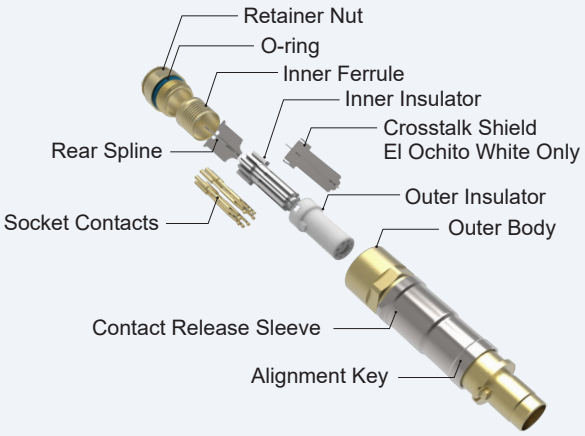


Type I Pin Contact

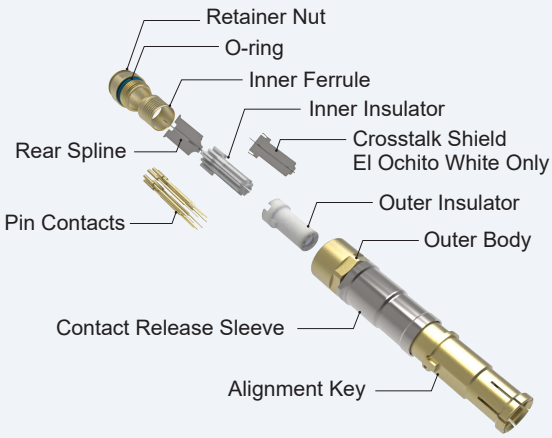


Type I Socket Contact

El Ochito® Type II Contacts, Serviceable
24-26 AWG, Threaded Wire Shield Termination, Integral Contact Release Sleeve



Type II Pin Contact



Type II Socket Contact

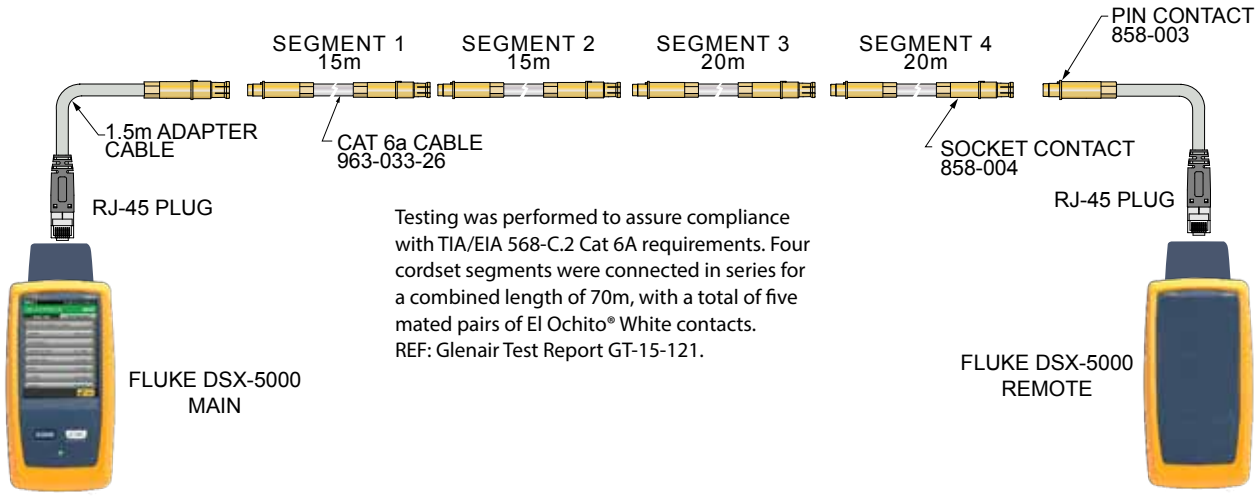
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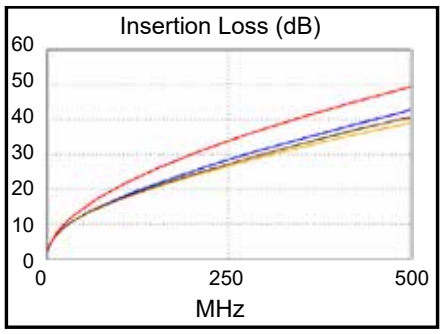
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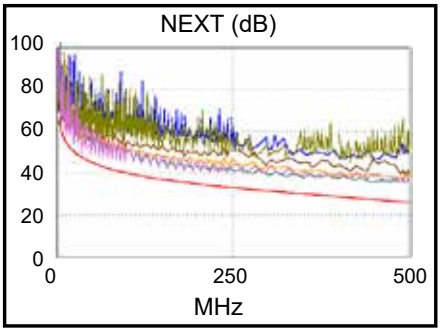
SIGNAL INTEGRITY DATA

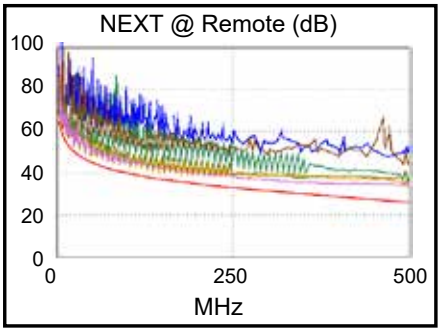
10GBase-T Cat 6A Compliance Testing for El Ochito® White

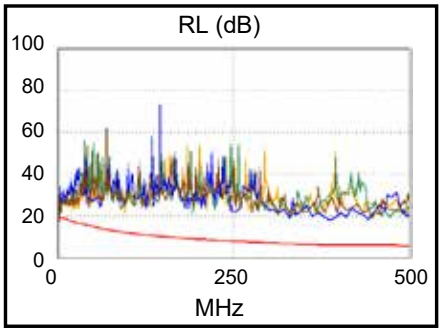


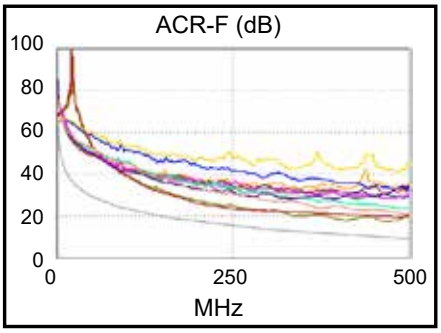
Testing was performed to assure compliance with TIA/EIA 568-C.2 Cat 6A requirements. Four cordset segments were connected in series for a combined length of 70m, with a total of five mated pairs of El Ochito® White contacts.
REF: Glenair Test Report GT-15-121.

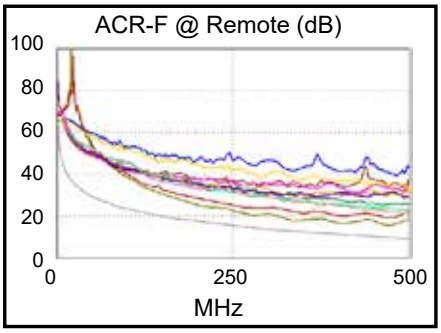


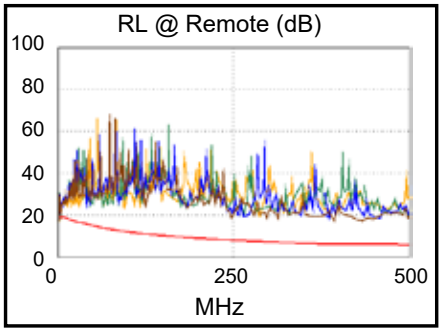


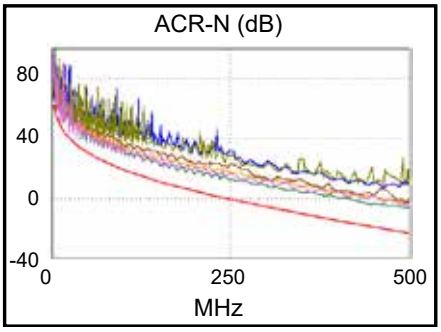


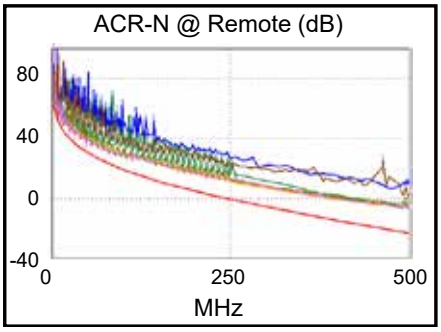










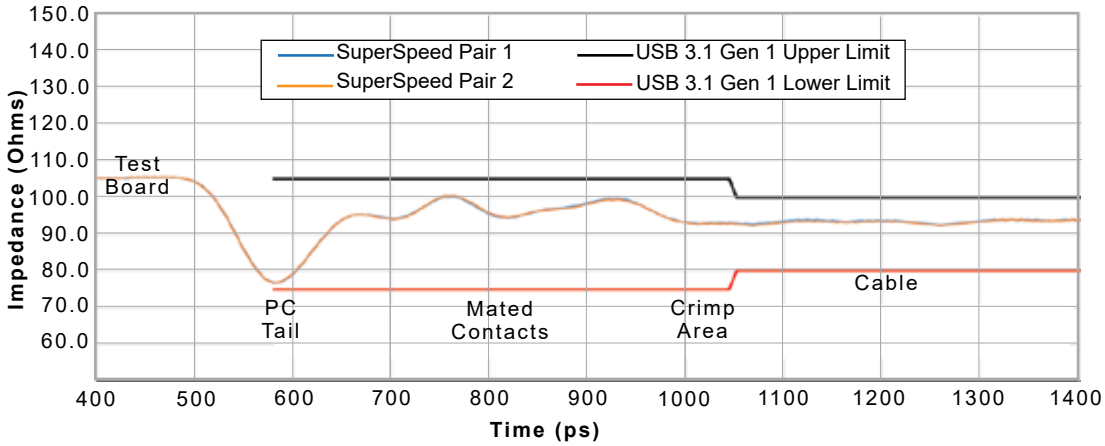


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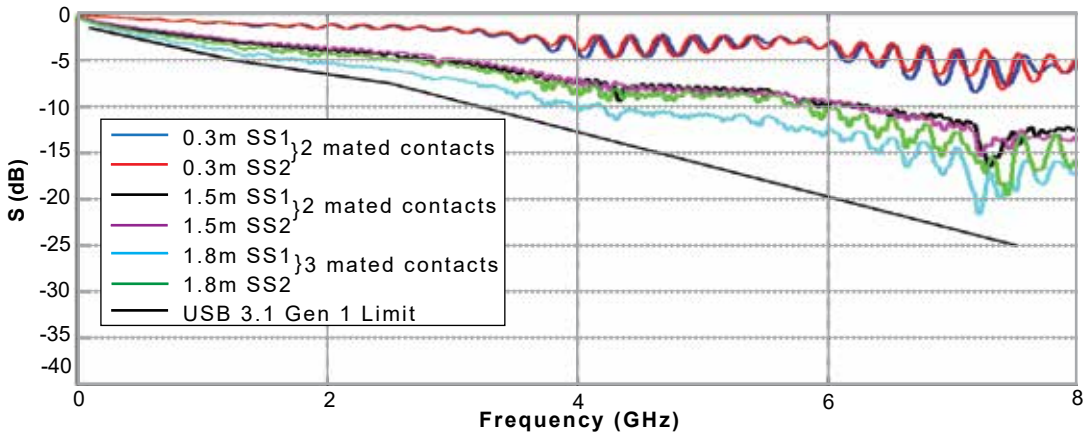
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SuperSpeed USB 3.0 Compliance Testing for El Ochito® Blue

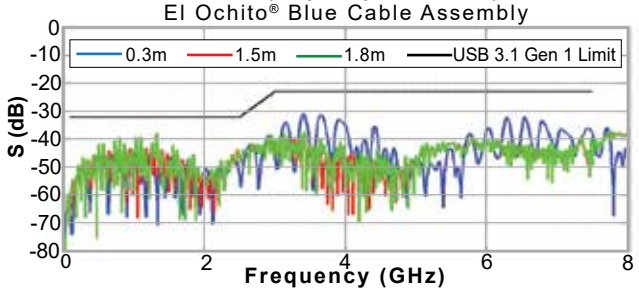
TDR Profile
50ps RT 20%-80%
El Ochito® Blue
PC tail contact to
Cable Assembly



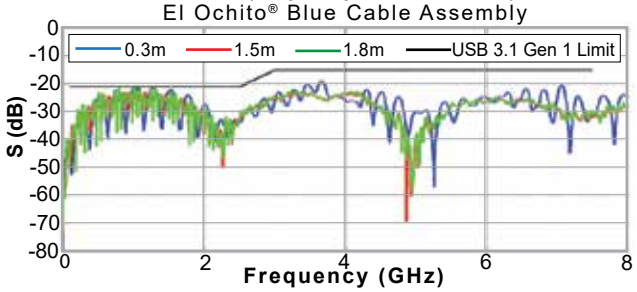
De-Embedded Insertion Loss
El Ochito® Blue
Cable Assembly



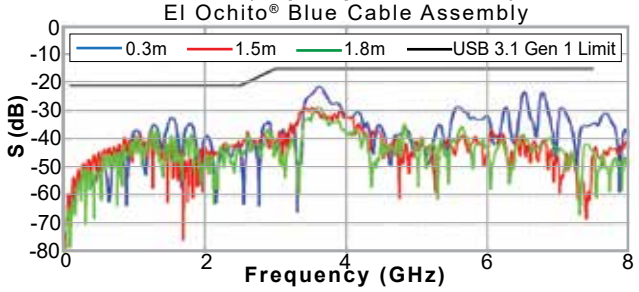
NEXT (SuperSpeed Pairs)
El Ochito® Blue Cable Assembly



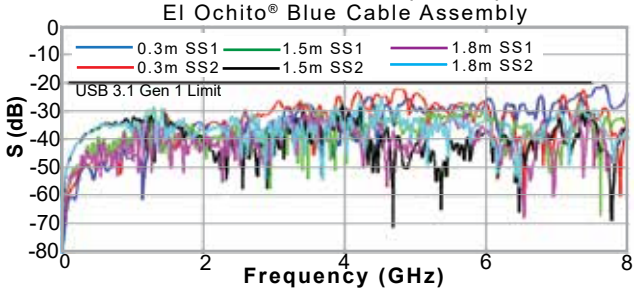
NEXT (SuperSpeed to D+/D-)
El Ochito® Blue Cable Assembly



FEXT (SuperSpeed to D+/D-)
El Ochito® Blue Cable Assembly



Mode Conversion (SCD21)
El Ochito® Blue Cable Assembly



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Ordering Information: El Ochito® White Contacts, Type I





El Ochito® Contacts: How To Order

Data Protocol: Cat 6A up to 10G, Cat 8 up to 40G Ethernet
El Ochito® White

Connector Type	Protocol	Wire Size	Cable Type	Recommended Cable		El Ochito® Type I	
				Glenair Part No.	Cable Dia.	Pin Contact Assembly Instr.	Skt Contact Assembly Instr.
• ARINC 600 Type I Contacts	Cat 6A	26	S/UTP	963-003-26	.220 (5.59)	858-009-01 AI85074-01	858-010-01 AI85074-01
	Cat 6A	26	S/FTP	963-033-26	.220 (5.59)	858-009-02 AI85084-01	858-010-02 AI85084-01
	Cat 6A	28	S/FTP	963-033-28	.177 (4.50)	858-009-03 AI85084-03	858-010-03 AI85084-03
	Cat 8	26	S/FTP	963-132-26	.220 (5.59)	858-009-04 AI85084-04	858-010-04 AI85084-04
	Cat 8	26	S/FTP	963-135-26	.220 (5.59)	858-009-05 AI85084-05	858-010-05 AI85084-05
• EN3645 • EN4165 Type I Contacts	Cat 6A	26	S/UTP	963-003-26	.220 (5.59)	858-026-01 AI85048-01	858-027-01 AI85048-01
	Cat 6A	26	S/FTP	963-033-26	.220 (5.59)	858-026-02 AI85048-02	858-027-02 AI85048-02
	Cat 6A	28	S/FTP	963-033-28	.177 (4.50)	858-026-03 AI85048-03	858-027-03 AI85048-03
	Cat 8	26	S/FTP	963-132-26	.220 (5.59)	858-026-04 AI85048-04	858-027-04 AI85048-04
	Cat 8	26	S/FTP	963-135-26	.220 (5.59)	858-026-05 AI85048-05	858-027-05 AI85048-05
• Radial EPXB Type I Contacts	Cat 6A	26	S/UTP	963-033-26	.220 (5.59)	858-014-01 AI85105-01	858-015-01 AI85105-01
	Cat 6A	26	S/FTP	963-003-26	.220 (5.59)	858-014-02 AI85105-01	858-015-02 AI85105-02
	Cat 6A	28	S/FTP	963-033-28	.177 (4.50)	858-014-03 AI85105-03	858-015-03 AI85105-03
	Cat 8	26	S/FTP	963-132-26	.220 (5.59)	858-014-04 AI85105-04	858-015-04 AI85105-04
	Cat 8	26	S/FTP	963-135-26	.220 (5.59)	858-014-05 AI85105-05	858-015-05 AI85105-06

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Ordering Information: El Ochito® White Contacts, Type I

El Ochito® Contacts: How To Order

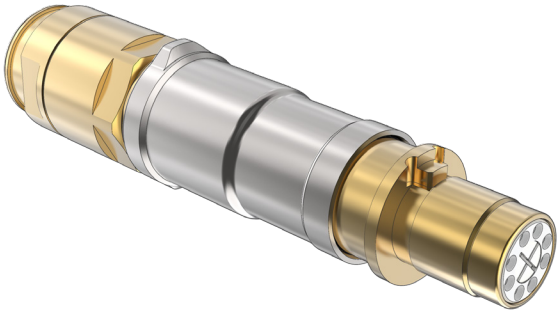


Data Protocol: Cat 6A up to 10G, Cat 8 up to 40G Ethernet
El Ochito® White

Connector Type	Protocol	Wire Size	Cable Type	Recommended Cable		El Ochito® Type I	
				Glenair Part No.	Cable Dia.	Pin Contact Assembly Instr.	Skt Contact Assembly Instr.
• EN3545 Type I Contacts	Cat 6A	26	S/UTP	963-003-26	.220 (5.59)	858-055-01 AI85194-01P	858-056-01 AI85194-01S
	Cat 6A	26	S/FTP	963-033-26	.220 (5.59)	858-055-02 AI85194-02P	858-056-02 AI85194-02S
	Cat 6A	28	S/FTP	963-033-28	.177 (4.50)	858-055-03 AI85194-03P	858-056-03 AI85194-03S
	Cat 8	26	S/FTP	963-132-26	.220 (5.59)	858-055-04 AI85194-04P	858-056-04 AI85194-04S
	Cat 8	26	S/FTP	963-135-26	.220 (5.59)	858-055-05 AI85194-05P	858-056-05 AI85194-05S
• SuperNine® (Series 23) • HiPer-D® (Series 28) Type I Contacts	Cat 6A	26	S/UTP	963-003-26	.220 (5.59)	858-003-01F AI85048-01	858-004-01F AI85048-01
	Cat 6A	26	S/FTP	963-033-26	.220 (5.59)	858-003-02F AI85048-02	858-004-02F AI85048-02
	Cat 6A	28	S/FTP	963-033-28	.177 (4.50)	858-003-03F AI85048-03	858-004-03F AI85048-03
	Cat 8	26	S/FTP	963-132-26	.220 (5.59)	858-003-04F AI85048-04	858-004-04F AI85048-04
	Cat 8	26	S/FTP	963-135-26	.220 (5.59)	858-003-05F AI85048-05	858-004-05F AI85048-05
• Series 792 • Series 806 • Series 816 Type I Contacts	Cat 6A	26	S/UTP	963-003-26	.220 (5.59)	858-045-01F AI85151-01	858-046-01F AI85151-01
	Cat 6A	26	S/FTP	963-033-26	.220 (5.59)	858-045-02F AI85151-02	858-046-02F AI85151-02
	Cat 6A	28	S/FTP	963-033-28	.177 (4.50)	858-045-03F AI85151-03	858-046-03F AI85151-03
	Cat 8	26	S/FTP	963-132-26	.220 (5.59)	858-045-04F AI85151-04	858-046-04F AI85151-04
	Cat 8	26	S/FTP	963-135-26	.220 (5.59)	858-045-05F AI85151-05	858-046-05F AI85151-05

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Ordering Information: El Ochito® White Contacts, Type II





El Ochito® Contacts: How To Order

Data Protocol: Cat 6A up to 10G, Cat 8 up to 40G Ethernet

El Ochito® White

Connector Type	Protocol	Wire Size	Cable Type	Recommended Cable		El Ochito® Type II	
				Glenair Part No.	Cable Dia.	Pin Contact Assembly Instr.	Skt Contact Assembly Instr.
• EN3545 Type II Contacts	Cat 6A	26	S/UTP	963-003-26	.220 (5.59)	858-061-01 AI85193-01P	858-062-01 AI85193-01S
	Cat 6A	26	S/FTP	963-033-26	.220 (5.59)	858-061-02 AI85193-02P	858-062-02 AI85193-02S
	Cat 6A	24	S/UTP	963-037-24	.260 (6.60)	858-061-03 AI85193-03P	858-062-03 AI85193-03S
	Cat 6A	24	S/FTP	963-033-24	.260 (6.60)	858-061-04 AI85193-04P	858-062-04 AI85193-04S
	Cat 6A	24	S/UTP	963-003-24	.280 (7.11)	858-061-05 AI85193-05P	858-062-05 AI85193-05S
	Cat 8	26	S/FTP	963-132-26	.220 (5.59)	858-061-06 AI85193-06P	858-062-06 AI85193-06S
	Cat 8	24	S/FTP	963-132-24	.260 (6.60)	858-061-07 AI85193-07P	858-062-07 AI85193-07S
	Cat 8	26	S/FTP	963-135-26	.220 (5.59)	858-061-08 AI85193-08P	858-062-08 AI85193-08S
• SuperNine® (Series 23) • HiPer-D® (Series 28) Type II Contacts	Cat 6A	26	S/UTP	963-003-26	.220 (5.59)	858-005-01 AI85097-01	858-006-01 AI85097-01
	Cat 6A	26	S/FTP	963-033-26	.220 (5.59)	858-005-02 AI85097-02	858-006-02 AI85097-02
	Cat 6A	24	S/UTP	963-037-24	.260 (6.60)	858-005-03 AI85097-03	858-006-03 AI85097-03
	Cat 6A	24	S/FTP	963-033-24	.260 (6.60)	858-005-04 AI85097-04	858-006-04 AI85097-04
	Cat 6A	24	S/UTP	963-003-24	.280 (7.11)	858-005-05 AI85097-05	858-006-05 AI85097-05
	Cat 8	26	S/FTP	963-132-26	.220 (5.59)	858-005-06 AI85097-06	858-006-06 AI85097-06
	Cat 8	24	S/FTP	963-132-24	.260 (6.60)	858-005-07 AI85097-07	858-006-07 AI85097-07
	Cat 8	26	S/FTP	963-135-26	.220 (5.59)	858-005-08 AI85097-08	858-006-08 AI85097-08

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Ordering Information: El Ochito® White Contacts, Type II

El Ochito® Contacts: How To Order

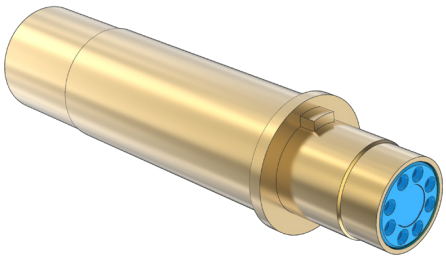


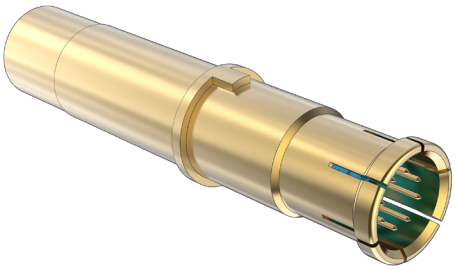
Data Protocol: Cat 6A up to 10G, Cat 8 up to 40G Ethernet
El Ochito® White

Connector Type	Protocol	Wire Size	Cable Type	Recommended Cable		El Ochito® Type II	
				Glenair Part No.	Cable Dia.	Pin Contact Assembly Instr.	Skt Contact Assembly Instr.
• Series 792 Type II Contacts	Cat 6A	26	S/UTP	963-003-26	.220 (5.59)	858-043-01 AI85134-01	858-042-01 AI85134-02
	Cat 6A	26	S/FTP	963-033-26	.220 (5.59)	858-043-02 AI85134-02	858-042-02 AI85134-02
	Cat 6A	24	S/UTP	963-037-24	.260 (6.60)	858-043-03 AI85134-02	858-042-03 AI85134-02
	Cat 6A	24	S/FTP	963-033-24	.260 (6.60)	858-043-04 AI85134-04	858-042-04 AI85134-04
	Cat 6A	24	S/UTP	963-003-24	.280 (7.11)	858-043-05 AI85134-05	858-042-05 AI85134-05
	Cat 8	26	S/FTP	963-132-26	.220 (5.59)	858-043-06 AI85134-06	858-042-06 AI85134-06
	Cat 8	24	S/FTP	963-132-24	.260 (6.60)	858-043-07 AI85134-07	858-042-07 AI85134-07
	Cat 8	26	S/FTP	963-135-26	.220 (5.59)	858-043-08 AI85134-08	858-042-08 AI85134-08
• Series 806 • Series 816 Type II Contacts	Cat 6A	26	S/UTP	963-003-26	.220 (5.59)	858-051-01 AI85149-01	858-052-01 AI85149-02
	Cat 6A	26	S/FTP	963-033-26	.220 (5.59)	858-051-02 AI85149-02	858-052-02 AI85149-02
	Cat 6A	24	S/UTP	963-037-24	.260 (6.60)	858-051-03 AI85149-03	858-052-03 AI85149-03
	Cat 6A	24	S/FTP	963-033-24	.260 (6.60)	858-051-04 AI85149-04	858-052-04 AI85149-04
	Cat 6A	24	S/UTP	963-003-24	.280 (7.11)	858-051-05 AI85149-05	858-052-05 AI85149-05
	Cat 8	26	S/FTP	963-132-26	.220 (5.59)	858-051-06 AI85149-06	858-052-06 AI85149-06
	Cat 8	24	S/FTP	963-132-24	.260 (6.60)	858-051-07 AI85149-07	858-052-07 AI85149-07
	Cat 8	26	S/FTP	963-135-26	.220 (5.59)	858-051-08 AI85149-08	858-052-08 AI85149-08

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Ordering Information: El Ochito® Blue Contacts, Type I





El Ochito® Contacts: How To Order



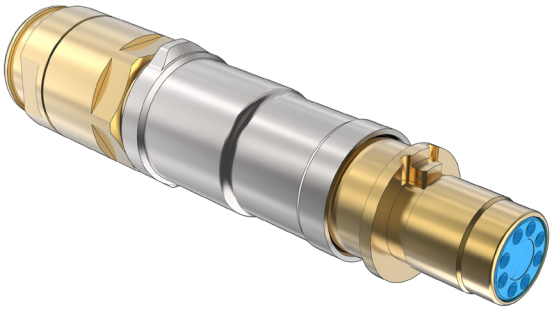
Data Protocol: SuperSpeed USB
El Ochito® Blue

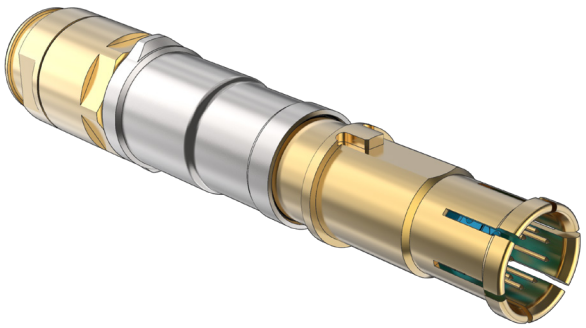
Connector Type	Wire Size	Cable Type	Recommended Cable		El Ochito® Type I	
			Glenair Part No.	Cable Dia.	Pin Contact Assembly Instr.	Skt Contact Assembly Instr.
• ARINC 600 Type I Contact	24 PWR 28 DATA	Commercial Grade (PVC Jacket)	963-118	.217 (5.51)	858-038-01 AI85162-01	858-035-01 AI85162-01
	24 PWR 26 DATA	Aerospace Grade (Fluoropolymer Jacket)	963-110	.236 (5.99)	858-038-02 AI85162-02	858-035-02 AI85162-02
• SuperNine® (Series 23) • HiPer-D (Series 28) Type I Contact	24 PWR 28 DATA	Commercial Grade (PVC Jacket)	963-118	.217 (5.51)	858-028-01F AI85114-02	858-029-01F AI85114-02
	24 PWR 26 DATA	Aerospace Grade (Fluoropolymer Jacket)	963-110	.236 (5.99)	858-028-02F AI85090-01	858-029-02F AI85090-01
• Series 806 • Series 816 • Series 792 Type I Contact	24 PWR 28 DATA	Commercial Grade (PVC Jacket)	963-118	.217 (5.51)	858-047-01F AI85114-02	858-048-01F AI85114-02
	24 PWR 26 DATA	Aerospace Grade (Fluoropolymer Jacket)	963-110	.236 (5.99)	858-047-02F AI85090-01	858-048-02F AI85090-01
• EN3545 Type I Contact	24 PWR 28 DATA	Commercial Grade (PVC Jacket)	963-118	.217 (5.51)	858-057-01F AI85196-01P	858-058-01F AI85196-01S
	24 PWR 26 DATA	Aerospace Grade (Fluoropolymer Jacket)	963-110	.236 (5.99)	858-057-02F AI85196-02P	858-058-02F AI85196-02S

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Ordering Information: El Ochito® Blue Contacts, Type II





El Ochito® Contacts: How To Order



Data Protocol: SuperSpeed USB
El Ochito® Blue

Connector Type	Wire Size	Cable Type	Recommended Cable		El Ochito® Type II	
			Glenair Part No.	Cable Dia.	Pin Contact Assembly Instr.	Skt Contact Assembly Instr.
• SuperNine® (Series 23) • HiPer-D® (Series 28) Type II Contact	24 PWR 28 DATA	Commercial Grade (PVC Jacket)	963-118	.217 (5.51)	858-069-01 AI85158-01	858-070-01 AI85158-01
	24 PWR 26 DATA	Aerospace Grade (Fluoropolymer Jacket)	963-110	.236 (5.99)	858-069-02 AI85158-02	858-070-02 AI85158-02
• Series 792 Type II Contact	24 PWR 28 DATA	Commercial Grade (PVC Jacket)	963-118	.217 (5.51)	858-071-01 AI85158-01	858-072-01 AI85158-01
	24 PWR 26 DATA	Aerospace Grade (Fluoropolymer Jacket)	963-110	.236 (5.99)	858-071-02 AI85158-01	858-072-02 AI85158-01
• Series 806 • Series 816 Type II Contact	24 PWR, 28 DATA	Commercial Grade (PVC Jacket)	963-118	.217 (5.51)	858-073-01 AI85158-01	858-074-01 AI85158-01
	24 PWR 26 DATA	Aerospace Grade (Fluoropolymer Jacket)	963-110	.236 (5.99)	858-073-02 AI85158-02	858-074-02 AI85158-02

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Ordering Information: El Ochito® Red Contacts Type I





El Ochito® Contacts: How To Order

Data Protocol: HDMI/SATA/DisplayPort/General High-Speed

El Ochito® Red

Connector Type	Wire Size	Cable Type	Recommended Cable		El Ochito® Type I	
			Glenair Part No.	Cable Dia.	Pin Contact Assembly Instr.	Skt Contact Assembly Instr.
• ARINC 600 Type I Contact	26	Up to 1 Gbps per pair 4 x S/FTP	963-033-26	.220 (5.59)	858-039-01 AI85084-01	858-037-01 AI85084-01
	26	Up to 10 Gbps per pair 4 x S/FTP	963-122-X See Page 34	.277-.299 (7.04-7.60)	858-039-01 AI85084-01	858-037-01 AI85084-01
	24	SATA 2 x Parallel Pairs	963-133	.225 (5.71)	858-039-02 AI85161-01	858-037-02 AI85161-01
• SuperNine® (Series 23) • HiPer-D® (Series 28) Type I Contact	26	Up to 1 Gbps per pair 4 x S/FTP	963-033-26	.220 (5.59)	858-030-02F AI85048-02	858-031-02F AI85048-02
	26	Up to 10 Gbps per pair 4 x S/FTP	963-122-X See Page 34	.277-.299 (7.04-7.60)	858-030-02* AI85048-02	858-031-02* AI85048-02
	24	SATA 2 x Parallel Pairs	963-133	.225 (5.71)	858-030-03F AI85159-01	858-031-03F AI85048-02
• Series 806 • Series 816 • Series 792 Type I Contact	26	Up to 1 Gbps per pair 4 x S/FTP	963-033-26	.220 (5.59)	858-049-01F AI85151-02	858-050-01F AI85151-02
	26	Up to 10 Gbps per pair 4 x S/FTP	963-122-X See Page 34	.277-.299 (7.04-7.60)	858-049-01* AI85151-02	858-050-01* AI85151-02
	24	SATA 2 x Parallel Pairs	963-133	.225 (5.71)	858-049-02F AI85151-02	858-050-02F AI85151-02
• EN3545 Type I Contact	26	Up to 1 Gbps per pair 4 x S/FTP	963-033-26	.220 (5.59)	858-059-01F AI85194-01P	858-060-01F AI85194-01S
	26	Up to 10 Gbps per pair 4 x S/FTP	963-122-X See Page 34	.277-.299 (7.04-7.60)	858-059-01* AI85194-01P	858-060-01* AI85194-01S
	26	SATA 2 x Parallel Pairs	963-133	.225 (5.71)	858-059-02F AI85197-01P	858-060-02F AI85197-01S

*Cable is not compatible with grommet followers. Contact factory if sealing is required.

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Ordering Information: El Ochito® Red Contacts Type II





El Ochito® Contacts: How To Order



Data Protocol: HDMI/SATA/DisplayPort/General High-Speed
El Ochito® Red

Connector Type	Wire Size	Cable Type	Cable		El Ochito® Type II	
			Glenair Part No.	Cable Dia.	Pin Contact Assembly Instr.	Skt Contact Assembly Instr.
• SuperNine® (Series 23) • HiPer-D® (Series 28) Type II Contact	26	Up to 1 Gbps per pair 4 x S/FTP	963-033-26	.220 (5.59)	858-063-01 AI85149-02	858-064-01 AI85149-02
	24	Up to 1 Gbps per pair 4 x S/FTP	963-033-24	.260 (6.60)	858-063-02 AI85149-04	858-064-02 AI85149-04
• Series 792 Type II Contact	26	Up to 1 Gbps per pair 4 x S/FTP	963-033-26	.220 (5.59)	858-065-01 AI85149-02	858-066-01 AI85149-02
	24	Up to 1 Gbps per pair 4 x S/FTP	963-033-24	.260 (6.60)	858-065-02 AI85149-04	858-066-02 AI85149-04
• Series 806 • Series 816 Type II Contact	26	Up to 1 Gbps per pair 4 x S/FTP	963-033-26	.220 (5.59)	858-067-01 AI85149-01	858-068-01 AI85149-02
	24	Up to 1 Gbps per pair 4 x S/FTP	963-033-24	.260 (6.60)	858-067-02 AI85149-02	858-068-02 AI85149-04

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MODIFICATION CODE -429 SPECIAL INSPECTION PER NASA EEE-INST-002

Modification code -429 is added to the end of a part number for special inspection per NASA EEE-INST-002. These modification codes are available for all El Ochito contact kits (e.g. 858-003-02-429).

With proper cable selection, 429 mod codes may also be applied to El Ochito jumpers (series 857X-XXXX-429). Contact factory for details.

NASA Screening Level and Available Outgassing Modification Codes

Screening Level	Screening Only	48 Hour Oven Bake 175° C	Thermal Vacuum Outgassing (10-6 Torr)	
			24 Hour 125° C	48 Hour 175° C
NASA, Level 1 Highest Reliability	429B	429J	429C	
NASA, Level 2 High Reliability	429	429K	429A	429AA
NASA, Level 3 Std. Reliability	Use Standard Part Number		429L	

SPACEWIRE

Glenair SpaceWire assemblies begin with a high-performance cable built with expanded polytetrafluoroethylene (ePTFE) insulation. This material allows for low-loss transmission of LVDS signals, maximizing data-rates while allowing for the implementation of standard hardware protocols, thus eliminating the need for design customization and long lead time cable projects.

In order to meet the stringent crosstalk requirements of SpaceWire, El Ochito White is required. El Ochito White Type II contacts are compatible with #28 AWG SpaceWire (ESCC-3902/003-01). For applications requiring #26 AWG ESCC-3902/003-02 type SpaceWire please consult factory.

OUTGAS DATA



El Ochito White

Component	Material	TML%	CVCM%	Test Reference
Inner & Outer Insulator	Natural, Unfilled PPS	0.07	<0.01	Glenair test at Pacific Testing Laboratories 2-22-2022 TR73209
Spacer (Cabled Ochito Only)	Ultem 1000	0.69	0.00	NASA Outgassing Data for Selecting Spacecraft Materials
Rear Insulator (PC Tail El Ochito Only)	PTFE	0.01	0.00	NASA Outgassing Data for Selecting Spacecraft Materials
Epoxy (PC Tail El Ochito Only)	Hysol EE-4215	0.55	<0.01	Glenair test at Pacific Testing Laboratories 7-25-2017 TR59899-3
O-Ring & Cable Grommet (Grommet Follower & Type II Only)	70/30 Fluorosilicone/ Silicone Blend per GPS78 Grade 40	0.12	0.02	Glenair test at Pacific Testing Laboratories 6-17-2020
Cable Grommet Follower (Grommet Follower Option Only)	Ultem 2300	0.44	0.00	NASA Outgassing Data for Selecting Spacecraft Materials
Ink Marking	Markem-Imaje 7224 Series	0.41	0.04	NASA Outgassing Data for Selecting Spacecraft Materials

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El Ochito Blue

Component	Material	TML%	CVCM%	Test Reference
Inner & Outer Insulator	GPS169	0.20	<0.01	Glenair test at Pacific Testing Laboratories 7-19-2021 TR71364
Spacer (Cabled Ochito Only)	Ultem 1000	0.69	0.00	NASA Outgassing Data for Selecting Spacecraft Materials
Rear Insulator (PC Tail El Ochito Only)	PTFE	0.01	0.00	NASA Outgassing Data for Selecting Spacecraft Materials
Epoxy (PC Tail El Ochito Only)	No. 1 Vary Flex	0.29	0.01	NASA Outgassing Data for Selecting Spacecraft Materials
O-Ring & Cable Grommet (Grommet Follower & Type II Only)	70/30 Fluorosilicone/ Silicone Blend per GPS78 Grade 40	0.12	0.02	Glenair test at Pacific Testing Laboratories 6-17-2020
Cable Grommet Follower (Grommet Follower Option Only)	Ultem 2300	0.44	0.00	NASA Outgassing Data for Selecting Spacecraft Materials
Ink Marking	Markem-Imaje 7224 Series	0.41	0.04	NASA Outgassing Data for Selecting Spacecraft Materials



El Ochito Red

Component	Material	TML%	CVCM%	Test Reference
Inner & Outer Insulator	GPS173	0.20	0.01	Glenair test at Pacific Testing Laboratories 7-19-2021 TR71364
Spacer (Cabled Ochito Only)	Ultem 1000	0.69	0.00	NASA Outgassing Data for Selecting Spacecraft Materials
Rear Insulator (PC Tail El Ochito Only)	PTFE	0.01	0.00	NASA Outgassing Data for Selecting Spacecraft Materials
Epoxy (PC Tail El Ochito Only)	No. 1 Vary Flex	0.29	0.01	NASA Outgassing Data for Selecting Spacecraft Materials
O-Ring & Cable Grommet (Grommet Follower & Type II Only)	70/30 Fluorosilicone/ Silicone Blend per GPS78 Grade 40	0.12	0.02	Glenair test at Pacific Testing Laboratories 6-17-2020
Cable Grommet Follower (Grommet Follower Option Only)	Ultem 2300	0.44	0.00	NASA Outgassing Data for Selecting Spacecraft Materials
Ink Marking	Markem-Imaje 7224 Series	0.41	0.04	NASA Outgassing Data for Selecting Spacecraft Materials

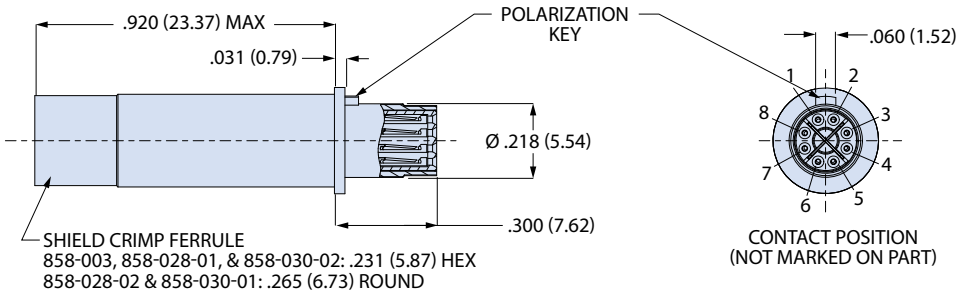
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EL OCHITO® CONTACT DIMENSIONS

El Ochito® Type I, Pin and Socket Contacts for Series 23 SuperNine and Series 28 HiPer-D

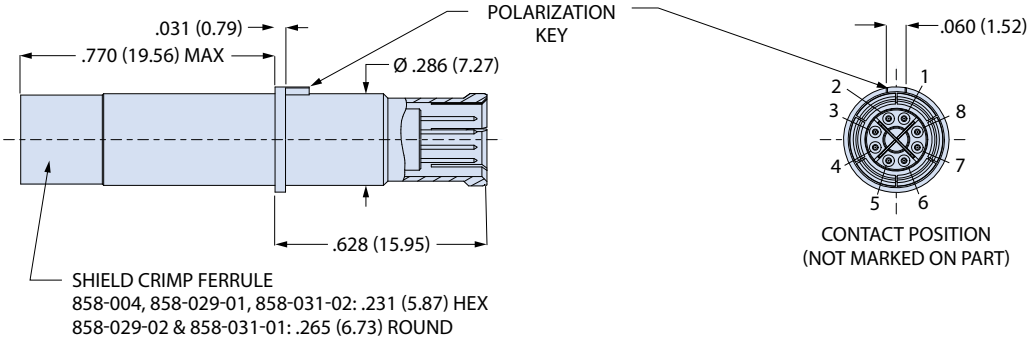
Pin Contact

Type I	
Color	Pin
White	858-003
Blue	858-028
Red	858-030



Socket Contact

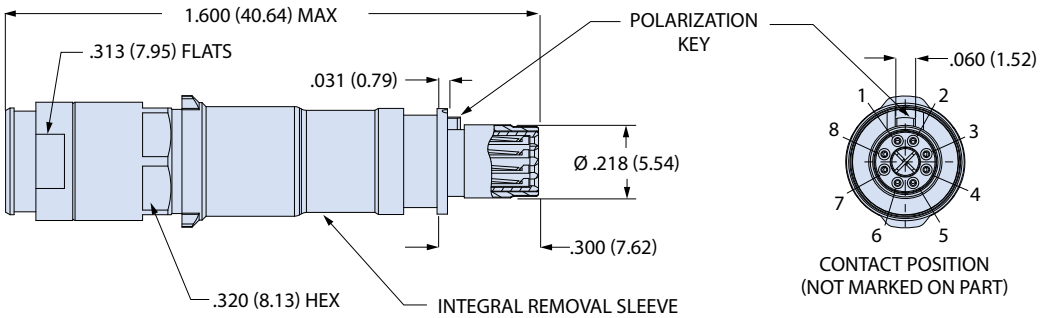
Type I	
Color	Socket
White	858-004
Blue	858-029
Red	858-031



El Ochito® Type II, Pin and Socket Contacts for Series 23 SuperNine and Series 28 HiPer-D

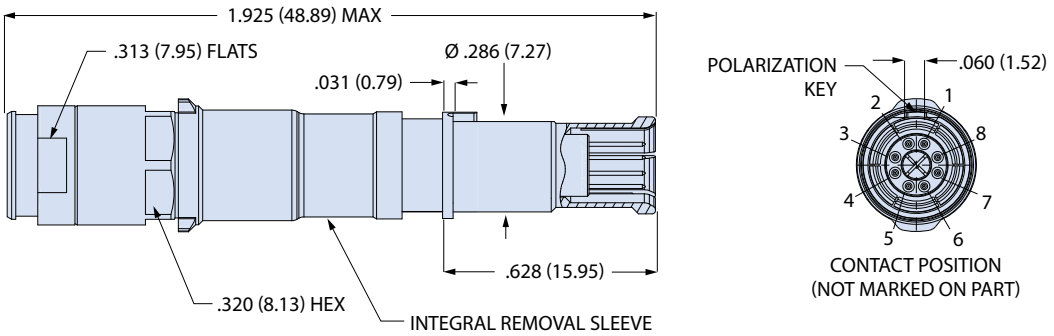
Pin Contact

Type II	
Color	Pin
White	858-005
Blue	858-069
Red	858-063



Socket Contact

Type II	
Color	Socket
White	858-006
Blue	858-070
Red	858-064



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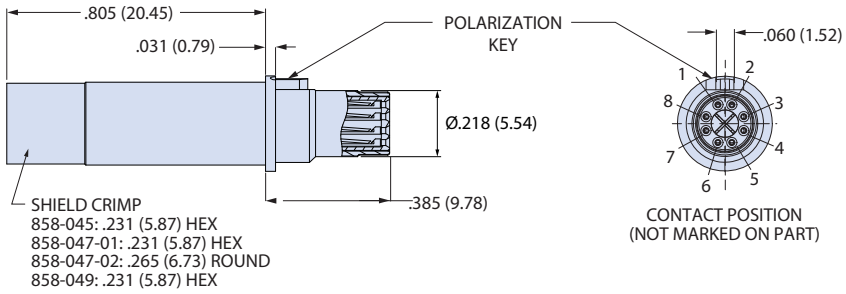
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Dimensions: Series 792 Contacts

El Ochito® Type I, Pin and Socket Contacts for Series 792

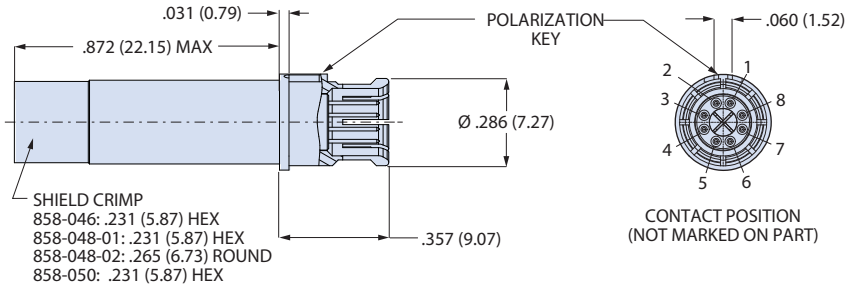
Pin Contact

Type I	
Color	Pin
White	858-045
Blue	858-047
Red	858-049



Socket Contact

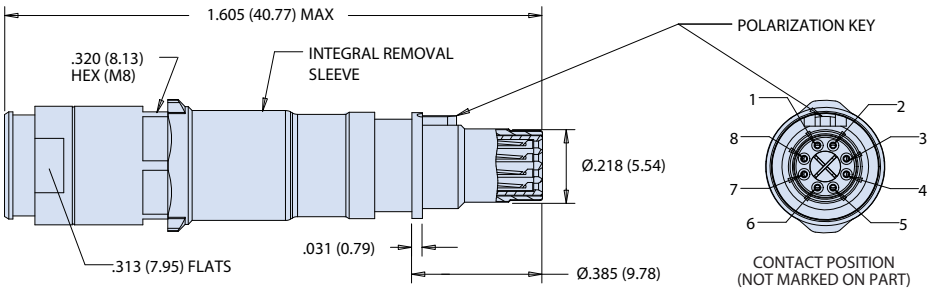
Type I	
Color	Socket
White	858-046
Blue	858-048
Red	858-050



El Ochito® Type II, Pin and Socket Contacts for Series 792

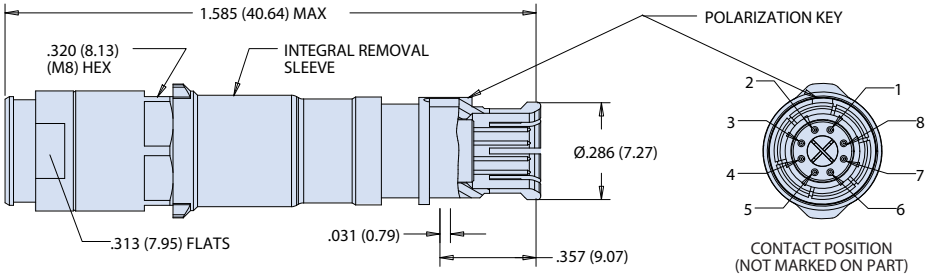
Pin Contact

Type II	
Color	Pin
White	858-043
Blue	858-071
Red	858-065



Socket Contact

Type II	
Color	Socket
White	858-042
Blue	858-072
Red	858-066



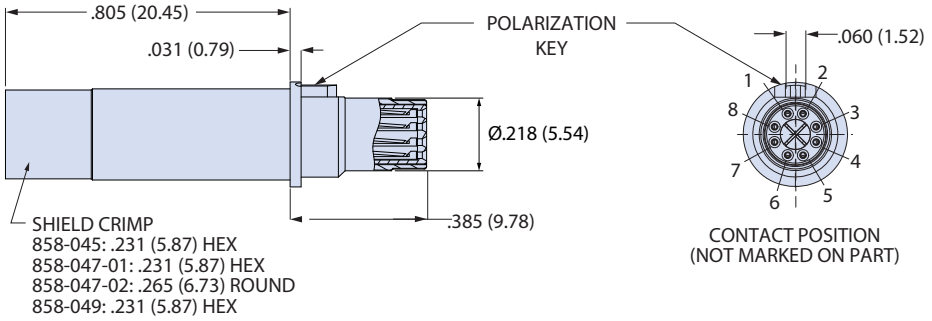
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EL OCHITO® CONTACT DIMENSIONS

El Ochito® Type I, Pin and Socket Contacts for Series 806 and Series 816

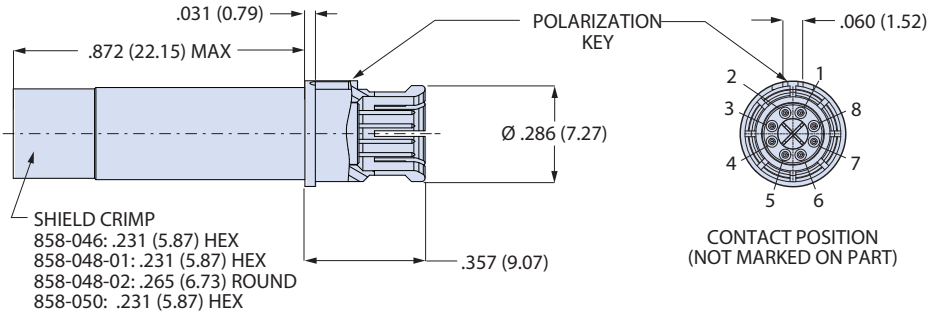
Pin Contact

Type I	
Color	Pin
White	858-045
Blue	858-047
Red	858-049



Socket Contact

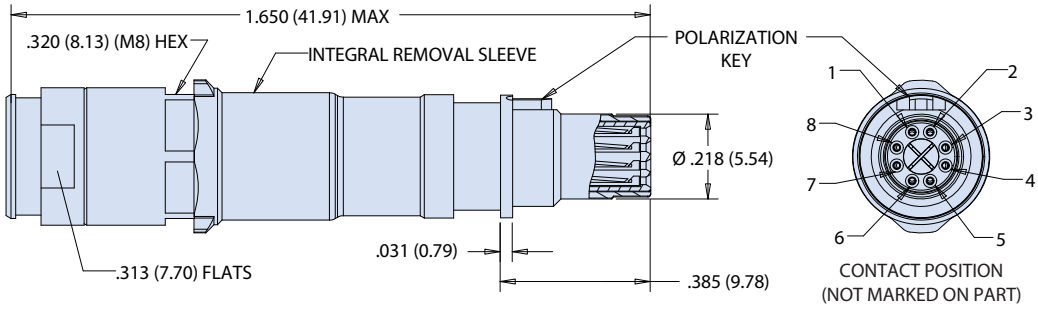
Type I	
Color	Socket
White	858-046
Blue	858-048
Red	858-050



El Ochito® Type II, Pin and Socket Contacts for Series 806 and Series 816

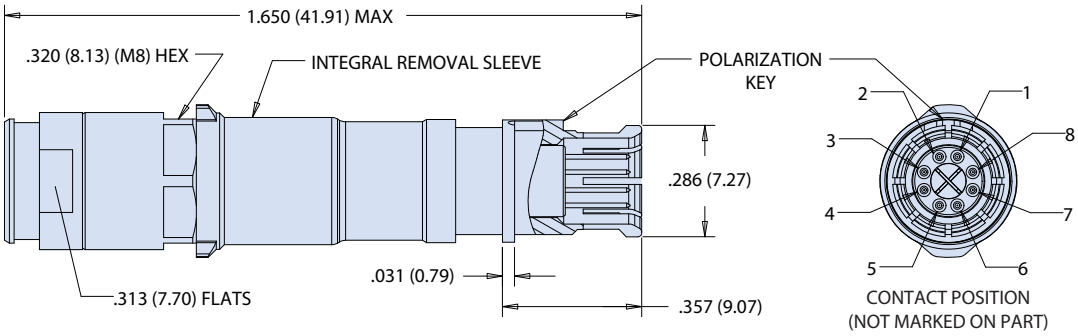
Pin Contact

Type II	
Color	Pin
White	858-051
Blue	858-073
Red	858-067



Socket Contact

Type II	
Color	Socket
White	858-052
Blue	858-074
Red	858-068



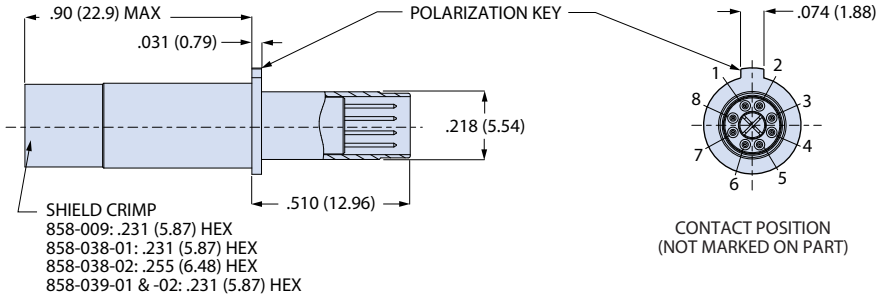
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El Ochito® Type I, Pin and Socket Contacts for ARINC 600

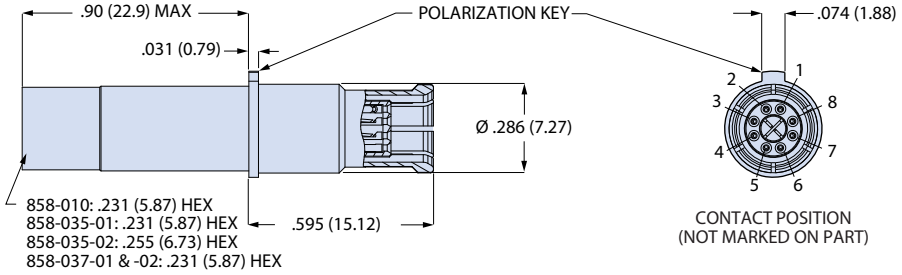
Pin Contact

Type I	
Color	Pin
White	858-009
Blue	858-038
Red	858-039



Socket Contact

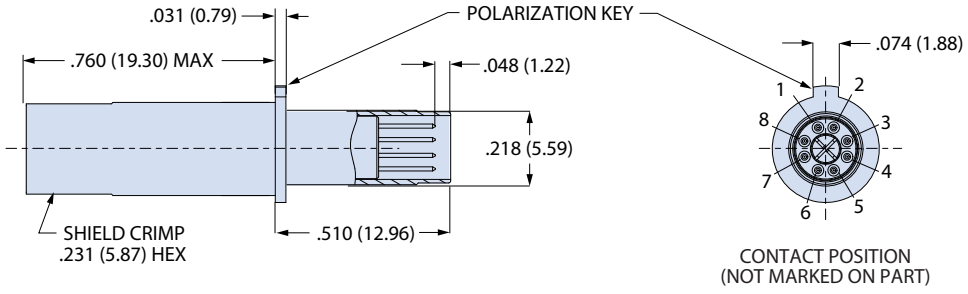
Type I	
Color	Socket
White	858-010
Blue	858-035
Red	858-037



El Ochito® Type I, Pin and Socket Contacts EPXB

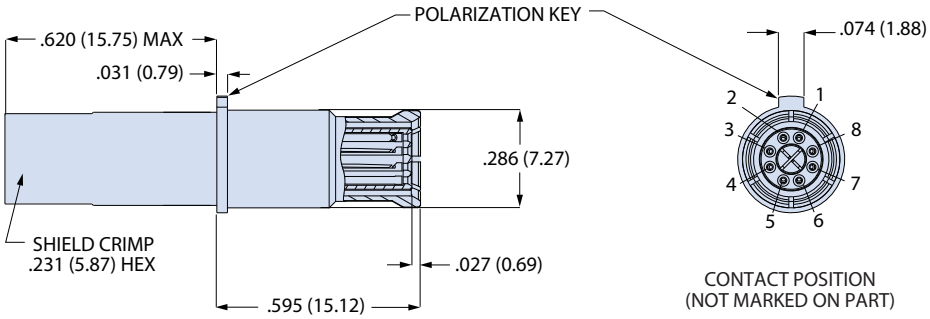
Pin Contact

Type I	
Color	Pin
White	858-014



Socket Contact

Type I	
Color	Socket
White	858-015



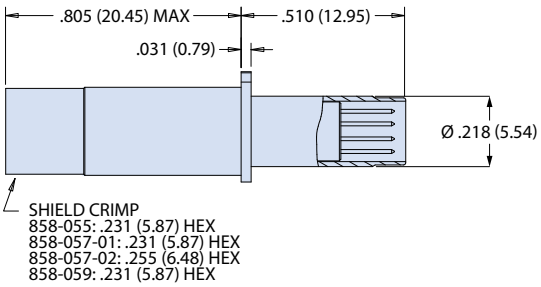
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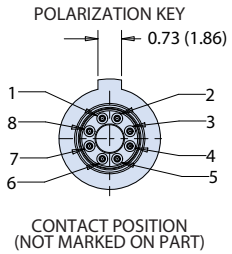
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El Ochito® Type I, Pin and Socket Contacts for EN3545

Pin Contact

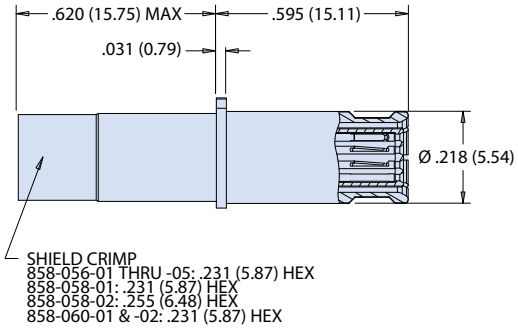
Type I	
Color	Pin
White	858-055
Blue	858-057
Red	858-059

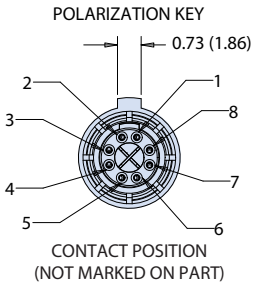




Socket Contact

Type I	
Color	Socket
White	858-056
Blue	858-058
Red	858-060

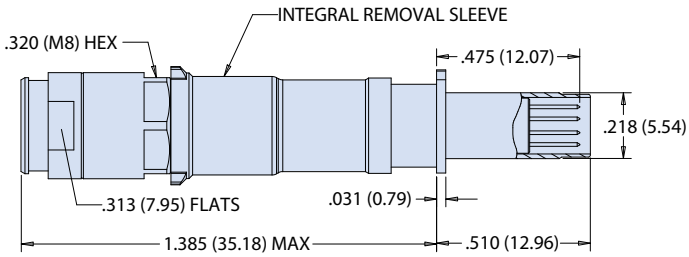


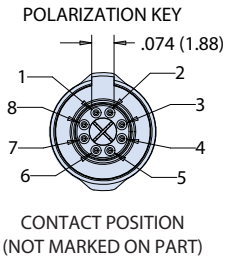


El Ochito® Type II, Pin and Socket Contacts for EN3545

Pin Contact

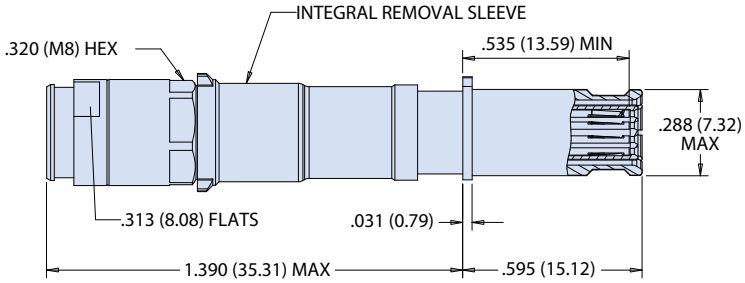
Type II	
Color	Pin
White	858-061

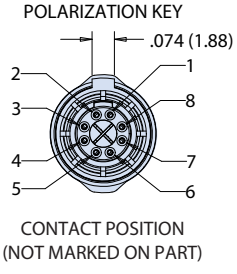




Socket Contact

Type II	
Color	Socket
White	858-062





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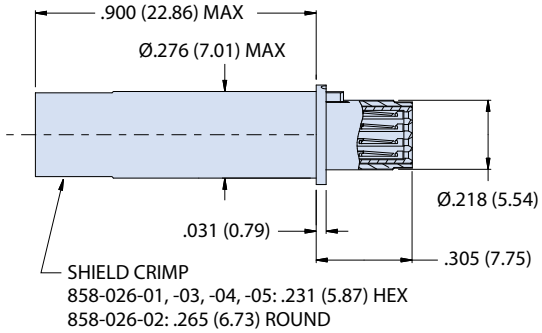
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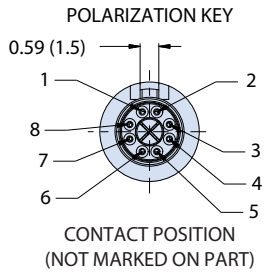
Dimensions: EN4165/EN3645 Contacts

El Ochito® Type I, Pin and Socket Contacts for EN4165 and EN3645

Pin Contact

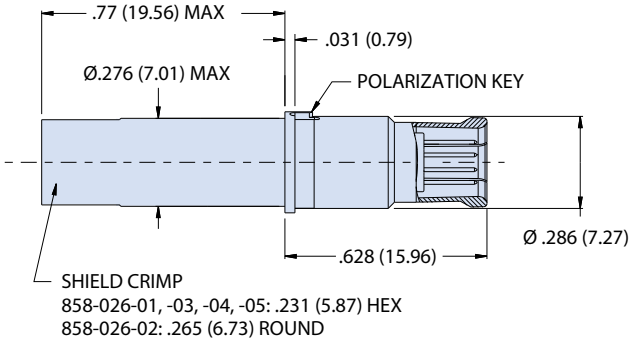
Type I	
Color	**Pin**
White	858-026

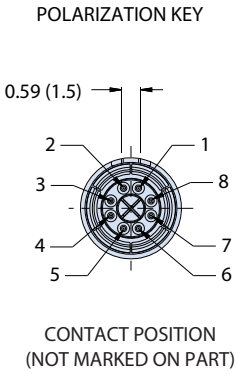




Socket Contact

Type I	
Color	**Socket**
White	858-027





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El Ochito Assembly Kit 600-280



El Ochito Assembly Kit 600-280 incorporates all the tools necessary to terminate El Ochito red, blue, and white contacts. Kit includes portable protective case with cutout foam for tool protection and ease of transportation. Order by corresponding connector series kit number (SuperNine, ARINC, Series 792, 280, 801, 805, 806, and 816).

El Ochito Installation Kit			
Sample Part Number→	600-280	-P	H
Product	600-280 = El Ochito Installation Tool Kit		
Kit Number	-01, -02, -03, -04, -05, -06, -07, -08, -09, -10H, -ALL		
Modifier	Omit = None H = Hex Crimp Only; See note 1		

Notes

1. Modifier "H" Removes all tools and dies associated with the circle body crimp. See Table 1.
   Not applicable to "-01", "-02", or "-03".
   Not applicable to "-ALL", use "-10H" instead.

Table I - Kit Options

Kit No.	Description	Connector Series
-01	Basic Assembly (See Table III)	SuperNine (Series 23), HiPer-D (Series 28)
-02		ARINC 600, EPXB, EN3545
-03		Series 792, 806, 816
-04	Basic + Crimp Dies + Positioners (See Table IV)	SuperNine (Series 23), HiPer-D (Series 28)
-05		ARINC 600, EPXB, EN3545
-06		Series 792, 806, 816
-07	Basic + Crimp Dies + Positioners + Crimp Tools (See Table V)	SuperNine (Series 23), HiPer-D (Series 28)
-08		ARINC 600, EPXB, EN3545
-09		Series 792, 806, 816
-10H[1]	Basic + Crimp Dies + Positioners + Crimp Tools (See Table VI)	All
-ALL		

Table II: Items Removed By Modifier "H"[1]

Tool Description	P/N
859-134 (GS206) Positioner 1	859-184-1
859-134 (GS206) Positioner 2	859-184-2
859-134 (GS206) Positioner 3	859-184-3
Circle Body Crimper (GS206)	859-134

Table III - Basic Kits

-01		-02		-03	
Tool Description	P/N	Tool Description	P/N	Tool Description	Part Number
Socket El Ochito Alignment Tool	600-235	Socket El Ochito Alignment Tool	600-243	Socket El Ochito Alignment Tool	600-235
Pin El Ochito Alignment Tool	600-236	Pin El Ochito Alignment Tool	600-244	Pin El Ochito Alignment Tool	600-274
Ferrule Inserter	600-242	Ferrule Inserter	600-242	Ferrule Inserter	600-242

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El Ochito Assembly Kit 600-280

Table IV - Basic Kits + Crimp Dies & Positioners

-04		-05		-06	
Tool Description	P/N	Tool Description	P/N	Tool Description	P/N
Socket El Ochito Alignment Tool	600-235	Socket Ochito Alignment Tool	600-243	Socket Ochito Alignment Tool	600-235
Pin El Ochito Alignment Tool	600-236	Pin Ochito Alignment Tool	600-244	Pin Ochito Alignment Tool	600-274
Ferrule Inserter	600-242	Ferrule Inserter	600-242	Ferrule Inserter	600-242
Contact Positioner (K1906)	859-101	Contact Positioner (K1906)	859-101	Contact Positioner (K1906)	859-101
Body Hex Crimp Die (M22520/5-45)	859-007	Body Hex Crimp Die (M22520/5-45)	859-007	Body Hex Crimp Die (M22520/5-45)	859-007
859-134 (GS206) Positioner 1	859-184-1	Expanded Hex Die	859-186	859-134 (GS206) Positioner 1	859-184-1
859-134 (GS206) Positioner 2	859-184-2	Removal Tool (M81969/14-12)	859-049	859-134 (GS206) Positioner 2	859-184-2
859-134 (GS206) Positioner 3	859-184-3			859-134 (GS206) Positioner 3	859-184-3
Removal Tool (M81969/14-12)	859-049			Removal Tool (M81969/14-12)	859-049

Table V - Basic Kits + Crimp Dies & Positioners + Crimp Tools

-07		-08		-09	
Tool Description	P/N	Tool Description	P/N	Tool Description	P/N
Socket El Ochito Alignment Tool	600-235	Socket El Ochito Alignment Tool	600-243	Socket El Ochito Alignment Tool	600-235
Pin El Ochito Alignment Tool	600-236	Pin El Ochito Alignment Tool	600-244	Pin El Ochito Alignment Tool	600-274
Ferrule Inserter	600-242	Ferrule Inserter	600-242	Ferrule Inserter	600-242
Contact Positioner (K1906)	859-101	Contact Positioner (K1906)	859-101	Contact Positioner (K1906)	859-101
Body Hex Crimp Die (M22520/5-45)	859-007	Body Hex Crimp Die (M22520/5-45)	859-007	Body Hex Crimp Die (M22520/5-45)	859-007
859-134 (GS206) Positioner 1	859-184-1	Expanded Hex Die	859-186	859-134 (GS206) Positioner 1	859-184-1
859-134 (GS206) Positioner 2	859-184-2	Removal Tool (M81969/14-12)	859-049	859-134 (GS206) Positioner 2	859-184-2
859-134 (GS206) Positioner 3	859-184-3	Contact Crimper (M22520/2-01)	809-015	859-134 (GS206) Positioner 3	859-184-3
Removal Tool (M81969/14-12)	859-049	Hex Body Crimper (M22520/5-01)	809-129	Removal Tool (M81969/14-12)	859-049
Contact Crimper (M22520/2-01)	809-015			Contact Crimper (M22520/2-01)	809-015
Hex Body Crimper (M22520/5-01)	809-129			Hex Body Crimper (M22520/5-01)	809-129
Circle Body Crimper (GS206)	859-134			Circle Body Crimper (GS206)	859-134

Table VI - All Inclusive Kits

10H		All	
Tool Description	P/N	Tool Description	P/N
Socket Ochito Alignment Tool	600-235	Socket Ochito Alignment Tool	600-235
Pin Ochito Alignment Tool	600-236	Pin Ochito Alignment Tool	600-236
Ferrule Inserter	600-242	Ferrule Inserter	600-242
Socket Ochito Alignment Tool	600-244	Socket Ochito Alignment Tool	600-244
Pin Ochito Alignment Tool	600-243	Pin Ochito Alignment Tool	600-243
Pin Ochito Alignment Tool	600-274	Pin Ochito Alignment Tool	600-274
Contact Positioner (K1906)	859-101	Inner Contact Positioner	859-101
Body Hex Crimp Die (M22520/5-45)	859-007	Body Hex Crimp Die (M22520/5-45)	859-007
Expanded Hex Crimper	859-186	Expanded Hex Crimper	859-186
Removal Tool (M81969/14-12)	859-049	859-134 (GS206) Positioner 1	859-184-1
Contact Crimper (M22520/2-01)	809-015	859-134 (GS206) Positioner 2	859-184-2
Hex Crimper	809-129	859-134 (GS206) Positioner 3	859-184-3
		Removal Tool (M81969/14-12)	859-049
		Contact Crimper (M22520/2-01)	809-015
		Hex Body Crimper (M22520/5-01)	809-129
		Circle Body Crimper (GS206)	859-134

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Assembly Tools										
Contact PN	Inner Contact Crimp		Cable Shield Hex Crimp		Cable Shield Round Crimp			Key Alignment Tool	Ferrule Insertion Tool	Mating Tool
	Tool	Positioner	Tool	Hex Die	Tool	Positioner 1	Positioner 2			
858-003	809-015	859-101	809-129	859-007				600-236	607-018	600-263
858-004	809-015	859-101	809-129	859-007				600-235	607-018	600-264
858-005	809-015	859-101						600-236	607-018-2	600-263
858-006	809-015	859-101						600-235	607-018-2	600-264
858-009	809-015	859-101	809-129	859-007				600-244	607-018	600-265
858-010	809-015	859-101	809-129	859-007				600-243	607-018	600-266
858-014	809-015	859-101	809-129	859-007				600-244	607-018	600-265
858-015	809-015	859-101	809-129	859-007				600-243	607-018	600-266
858-016	809-015	859-101			809-134	859-184-2	859-184-3	600-236	607-018	600-263
858-017	809-015	859-101			809-134	859-184-1	859-184-2	600-235	607-018	600-264
858-026	809-015	859-101	809-129	859-007				600-236	607-018	
858-027	809-015	859-101	809-129	859-007				600-236	607-018	
858-028-01	809-015	859-101	809-129	859-007				600-236	607-018	600-263
858-028-02	809-015	859-101			809-134	859-184-2	859-184-3	600-236	607-018	600-263
858-029-01	809-015	859-101	809-129	859-007				600-235	607-018	600-264
858-029-02	809-015	859-101			809-134	859-184-1	859-184-2	600-235	607-018	600-264
858-030-02	809-015	859-101	809-129	859-007				600-236	607-018	600-263
858-031-02	809-015	859-101	809-129	859-007				600-236	607-018	600-264
858-035-01	809-015	859-101	809-129	859-007				600-243	607-018	600-266
858-035-02	809-015	859-101	809-129	859-186				600-243	607-018	600-266
858-037	809-015	859-101	809-129	859-007				600-243	607-018	600-266
858-038-01	809-015	859-101	809-129	859-007				600-244	607-018	600-265
858-038-02	809-015	859-101	809-129	859-186				600-244	607-018	600-265
858-039	809-015	859-101	809-129	859-007				600-244	607-018	600-265
858-042	809-015	859-101						600-235	607-018-2	600-264
858-043	809-015	859-101						600-274	607-018-2	600-267
858-045	809-015	859-101	809-129	859-007				600-274	607-018	600-267
858-046	809-015	859-101	809-129	859-007				600-235	607-018	600-264
858-047-01	809-015	859-101	809-129	859-007				600-274	607-018	600-267
858-047-02	809-015	859-101			809-134	859-184-2	859-184-3	600-274	607-018	600-267
858-048-01	809-015	859-101	809-129	859-007				600-235	607-018	600-264
858-048-02	809-015	859-101			809-134	859-184-2	859-184-3	600-235	607-018	600-264
858-049	809-015	859-101	809-129	859-007				600-274	607-018	600-267
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858-056	809-015	859-101	809-129	859-007				600-243	607-018	600-266
858-057-01	809-015	859-101	809-129	859-007				600-244	607-018	600-265
858-057-02	809-015	859-101	809-129	859-186				600-244	607-018	600-265

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Assembly Tools

Assembly Tools										
Contact PN	Inner Contact Crimp		Cable Shield Hex Crimp		Cable Shield Round Crimp			Key Alignment Tool	Ferrule Insertion Tool	Mating Tool
	Tool	Positioner	Tool	Hex Die	Tool	Positioner 1	Positioner 2			
858-058-01	809-015	859-101	809-129	859-007				600-243	607-018	600-266
858-058-02	809-015	859-101	809-129	859-186				600-243	607-018	600-266
858-059	809-015	859-101	809-129	859-007				600-244	607-018	600-265
858-060	809-015	859-101	809-129	859-007				600-243	607-018	600-266
858-061	809-015	859-101						600-244	607-018-2	600-265
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858-063	809-015	859-101						600-236	607-018-2	600-263
858-064	809-015	859-101						600-235	607-018-2	600-264
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858-066	809-015	859-101						600-235	607-018-2	600-264
858-067	809-015	859-101						600-274	607-018-2	600-267
858-068	809-015	859-101						600-235	607-018-2	600-264
858-069	809-015	859-101						600-236	607-018-2	600-263
858-070	809-015	859-101						600-235	607-018-2	600-264
858-071	809-015	859-101						600-236	607-018-2	600-267
858-072	809-015	859-101						600-235	607-018-2	600-264
858-073	809-015	859-101						600-236	607-018-2	600-267
858-074	809-015	859-101						600-235	607-018-2	600-264

Inner Contact Crimp Tools



809-015
(M22520/2-01)



859-101
(K1906)

Cable Shield Crimp Tools



809-129
(M22520/5-01)



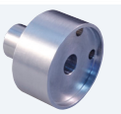
859-007
(M22520/5-45)

859-186



859-134
(GS206)

Removal Tool



859-184



859-049
(M81969/14-12)

Key Alignment Tools*

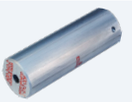


600-235 & 600-243
Socket contact



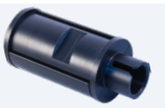
600-236, -244, & -274
Pin contact

Ferrule Insertion Tool

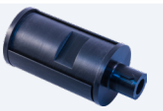


600-242

Jumper Cable Mating Adapters**



600-264 & -266
Socket Contact



600-263, -265, & -267
Pin Contact

* Only for use when assembling El Ochito contacts. Consult factory for available alignment inspection tools for existing assemblies.
** See page 50 for details

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26 AWG Cat 6A Ethernet Cables for El Ochito® White

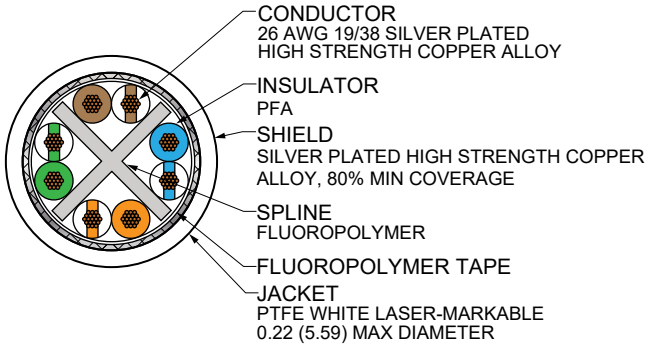
BULK CABLE

26 AWG S/UTP Cat 6A Cable

Glenair Part Number	963-003-26

S/UTP 26 AWG cable delivers 10 Gigabit ethernet performance and is small, lightweight and flexible. Twisted pairs are separated by a fluoropolymer spline for reduced crosstalk and attenuation. This 200° C rated cable is Skydrol resistant, RoHS compliant and meets FAA FAR Parts 23 and 25 Appendix F flammability requirements. Meets TIA-568B Cat 6A performance up to 188 feet/ 57 meters.

Construction Details



Color Code

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

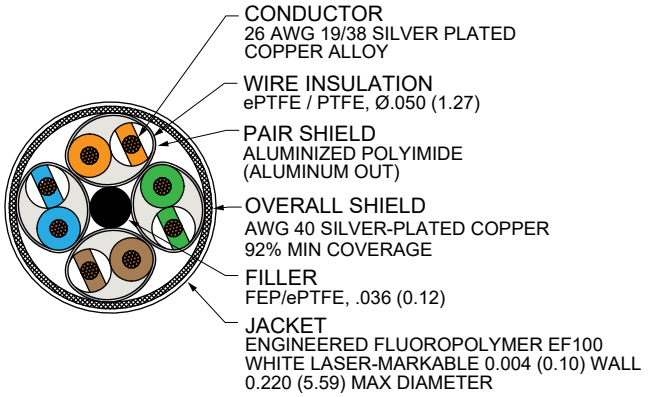
Specifications		
Impedance (ohms)	100	
Temperature Rating	-55° to +200°C	
Weight (lbs/100 ft.)	3.3	
Capacitance (pF/ft)	14.5	
Minimum Bend Radius (inches)	0.66 (16.76)	
Velocity of Propagation %	70.0	
DWV (kV rms)	1.5	
Max Distance in Feet (m)	214 (65)	
Attenuation Nom / Max	Frequency	dB/100 ft.
	10 MHz	2.6/3.0
	100 MHz	82./9.7
	250 MHz	13.2/15.8
	500 MHz	19.3/23.0

26 AWG S/FTP Cat 6A Cable

Glenair Part Number	963-033-26

S/FTP 26 AWG cable has an individual foil shield around each data pair for reduced crosstalk and attenuation. This high data rate Ethernet cable features a unique cable jacket material and high-density construction that significantly reduces weight and diameter. Meets ANSI/TIA 568-C.2 Cat 6A requirement up to 213 feet/65 meters. ***Qualified to SAE AS6070/5 and /6.***

Construction Details



Color Code

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

Specifications		
Impedance (ohms)	100 (+10/-5)	
Temperature Rating	-65° to +200°C	
Weight (lbs/1000 ft.)	32.0	
Capacitance (pF/ft)	12.5	
Time Delay	1.24 ns/ft	
Bend Radius (min)	.44 (11.18)	
Maximum Attenuation at 65m Length	Frequency	dB
	10 MHz	5.9
	100 MHz	19.1
	200 MHz	27.6
	250 MHz	31.1
	500 MHz	45.3
NEXT (minimum)	Frequency	dB
	1 MHz	74.3
	10 MHz	59.2
	100 MHz	52.3
	250 MHz	47.9
	500 MHz	42.2

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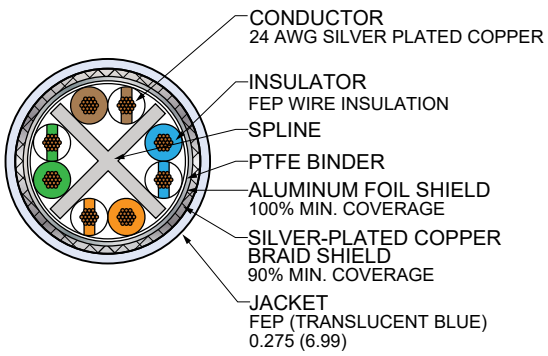
24 AWG Cat 6A Ethernet Cables for El Ochito® White

24 AWG S/UTP Cat 6A Cable

Glenair Part Number	963-003-24

S/UTP 24 AWG cable delivers 10 Gigabit ethernet performance and is small, lightweight, and flexible. Twisted pairs are separated by a fluoropolymer spline for reduced crosstalk and attenuation. This 200° C rated cable is Skydrol resistant, RoHS compliant and meets FAA FAR Parts 23 and 25 Appendix F flammability requirements. Rugged, FEP translucent jacket withstands abrasion and chemicals. Exceeds ANSI/TIA-568-C.2 Cat 6A Channel Requirements. Performance up to 246 feet/ 75 meters.

Construction Details



Color Code

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

Specifications

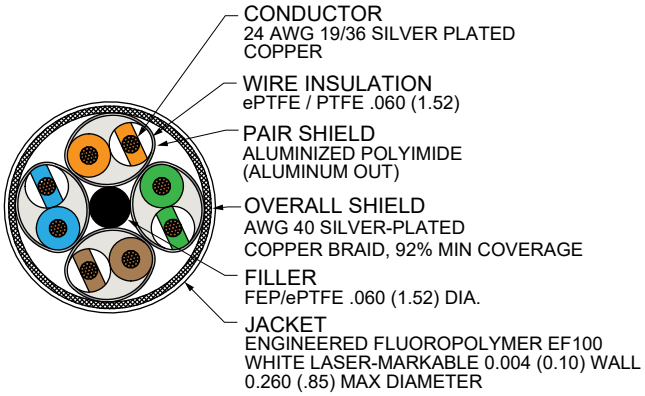
Impedance (ohms)	100	
Temperature Rating	-55° to +200°C	
Weight (lbs/100 ft.)	5.3	
Capacitance (pF/ft)	14.5	
Minimum Bend Radius (inches)	1.40	
Velocity of Propagation %	70.0	
Dielectric Voltage Rating (kV rms)	1.5	
Max Distance in Feet (m)	246 (75)	
Attenuation Nom / Max	**Frequency**	**dB/100 ft.**
	10 MHz	2.2/2.6
	100 MHz	6.8/8.2
	250 MHz	10.9/13.1
	500 MHz	15.6/18.7

24 AWG S/FTP Cat 6A Cable

Glenair Part Number	963-033-24

S/FTP 24 AWG cable has an individual foil shield around each data pair for reduced crosstalk and attenuation. This high data rate Ethernet cable features a unique cable jacket material and high-density construction that significantly reduces weight and diameter. Meets TIA 568-C.2 Cat 6A requirement up to 262 feet/80 meters. ***Qualified to SAE AS6070/5 and /6.***

Construction Details



Color Code

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

Specifications

Impedance (ohms)	100 (+10/-5)	
Temperature Rating	-65° to +200°C	
Weight (lbs/1000 ft.)	42.0 nom /45.0 max	
Capacitance (pF/ft)	12.5	
Time Delay	1.24 ns/ft	
Bend Radius (min)	.54 (13.72)	
Maximum Attenuation at 80m Length	**Frequency**	**dB**
	10 MHz	5.9
	100 MHz	19.1
	200 MHz	27.6
	250 MHz	31.1
	500 MHz	45.3
NEXT (minimum)	**Frequency**	**dB**
	1 MHz	74.3
	10 MHz	59.2
	100 MHz	52.3
	250 MHz	47.9
	500 MHz	42.2

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24 AWG Cat 6A Ethernet Cables for El Ochito® White

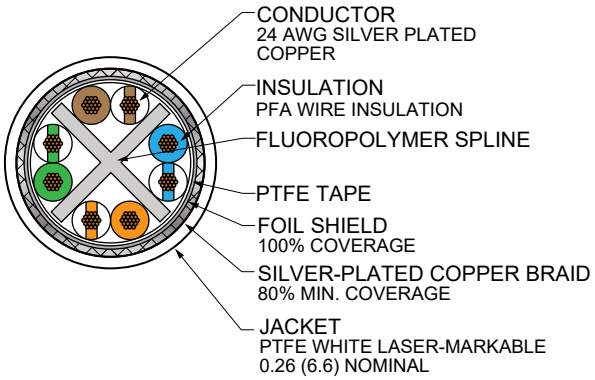
BULK CABLE

24 AWG S/UTP Cat 6A Cable

Glenair Part Number	963-037-24

S/UTP 24 AWG cable is specially designed for airborne 10 Gigabit Ethernet applications. Twisted pairs are separated by a fluoropolymer spline for reduced crosstalk and attenuation. This 200°C rated cable is Skydrol resistant, RoHS compliant and meets FAA FAR Parts 23 and 25 Appendix F flammability requirements. Laser-markable white PTFE jacket withstands abrasion and chemicals. Meets ANSI/TIA-568-C.2 Cat 6A performance up to 246 feet/75 meters.

Construction Details



Color Code

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

Specifications

Impedance (ohms)	100	
Temperature Rating	-55° to +200°C	
Weight (lbs/100 ft.)	4.6	
Capacitance (pF/ft)	14.5	
Minimum Bend Radius (inches)	.78	
Velocity of Propagation %	70	
Dielectric Voltage Rating (kV rms)	1.5	
DC Resistance, Max (ohms/1000 ft.)	28.5	
Max Distance in Feet (m)	262 (80)	
Attenuation Nom / Max	**Frequency**	**dB/100 ft.**
	10 MHz	2.1/2.4
	100 MHz	6.6/7.9
	250 MHz	10.7/12.9
	500 MHz	15.6/18.7

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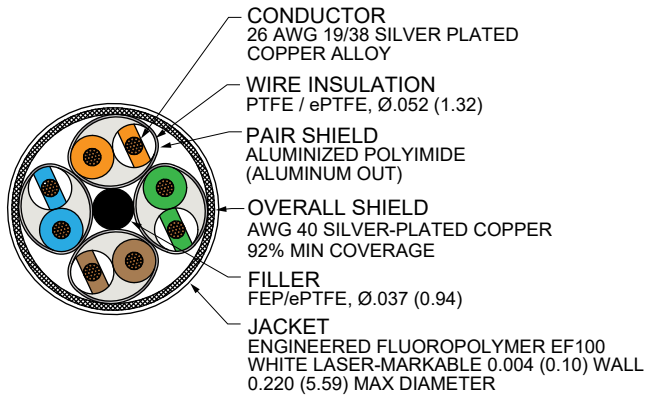
26 AWG Cat 8 Ethernet Cables for El Ochito® White

26 AWG S/FTP Cat 8 Cable

Glenair Part Number 963-132-26

S/FTP 26 AWG (19/38) cable with foil wrapped data pairs for reduced crosstalk and attenuation. Cable features a unique cable jacket material and high-density construction to reduce weight and diameter. Meets TIA-568-2.D Cat 8 requirements up to 59 ft (18 m). REACH and RoHS compliant.

Construction Details



Color Code

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

Specifications

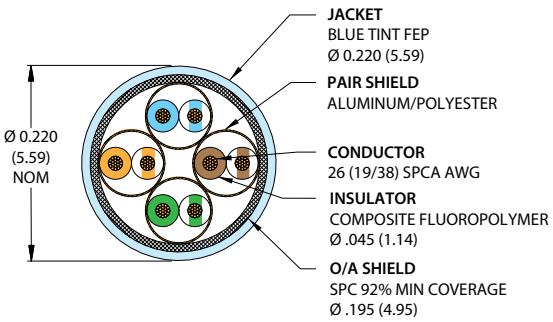
Impedance (ohms)	100 (+10 /-5)	
Temperature Rating	-65° to +200°C	
Weight (lbs/1000 ft.) (max.)	35.0	
Capacitance (pF/ft)	12.5	
Time Delay (nSEC/ft)	1.35	
Maximum Attenuation per 59 ft (18 m) Length	**Frequency**	**dB**
	50 MHz	3.9
	100 MHz	5.6
	250 MHz	8.9
	500 MHz	12.8
	1000 MHz	18.6
	1500 MHz	23.2
	2000 MHz	27.2
NEXT (minimum)	**Frequency**	**dB**
	50 MHz	49.8
	100 MHz	45.3
	250 MHz	39.3
	500 MHz	34.8
	1000 MHz	30.3
	1500 MHz	27.7
	2000 MHz	25.8

26 AWG S/FTP Cat 8 Cable

Glenair Part Number 963-135-26

S/FTP 26 AWG (19/38) cable has an individual foil shield around each data pair for reduced crosstalk and attenuation. This high data rate Cat 8 Ethernet cable features a FEP jacket. Meets TIA-568-C.2 Cat 8 channel requirements up to 65 ft (20 m). Complies with RoHS (Directive 2002/95/EC).

Construction Details



Color Code

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

Specifications

Temperature Rating	-55° to -200°C	
Weight (lbs/1000 ft.) (max.)	34.6	
Minimum Bend Radius	1.10 (27.94)	
RoHS compliance	Complies with RoHS (Directive 202/95/ED)	
Impedance (ohms)	100 (±15)	
Capacitance (pF/ft)	13.0	
Velocity of propagation	80.0% Nom.	
Dielectric voltage rating	1.5kV RMS	
Capacitance	13	
Transmission Characteristics	**Frequency**	**dB Typ/Max**
Typical and Maximum Attenuation at 20m Length	10 MHz	3.0/3.5
	100 MHz	8.2/9.3
	250 MHz	13.7/15.0
	500 MHz	20.5/21.26
Typ. = average pair loss Max. = worst pair loss	1000 MHz	28.1/30.0
	2000 MHz	41.0/43.0

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24 AWG Cat 8 Ethernet Cables for El Ochito® White

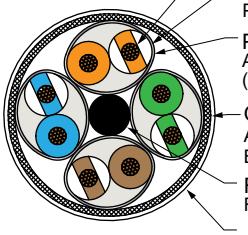
BULK CABLE

24 AWG S/FTP Cat 8 Cable

Glenair Part Number	963-132-24

S/FTP 24 AWG (19/36) cable with foil wrapped data pairs for reduced crosstalk and attenuation. Cable features a unique cable jacket material and high-density construction to reduce weight and diameter. Meets TIA-568-2.D Cat 8 requirements up to 72.2 ft (22 m). REACH and RoHS compliant.

Construction Details



CONDUCTOR
24 AWG (19/36) SILVER PLATED ALLOY

WIRE INSULATION
PTFE / ePTFE .060 (1.52)

PAIR SHIELD
ALUMINIZED POLYIMIDE
(ALUMINUM OUT)

OVERALL SHIELD
AWG 40 SILVER-PLATED COPPER
BRAID 92% MIN COVERAGE

FILLER
FEP/ePTFE .037 (0.94) DIA.

JACKET
ENGINEERED FLUOROPOLYMER EF100
WHITE LASER-MARKABLE 0.004 (0.10) WALL
0.260 (6.60) MAX DIAMETER

Color Code

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

Specifications

Impedance (ohms)	100 (+10 /-5)	
Temperature Rating	-65° to +200°C	
Weight (lbs/1000 ft.) (max.)	45.0	
Capacitance (pF/ft)	12.5	
Time Delay (nSEC/ft)	1.27	
Maximum Attenuation per 72.2 ft (22 m) Length	**Frequency**	**dB**
	50 MHz	3.9
	100 MHz	5.6
	250 MHz	8.9
	500 MHz	12.8
	1000 MHz	18.6
	1500 MHz	23.2
	2000 MHz	27.2
NEXT (minimum)	**Frequency**	**dB**
	50 MHz	49.8
	100 MHz	45.3
	250 MHz	39.3
	500 MHz	34.8
	1000 MHz	30.3
	1500 MHz	27.7
	2000 MHz	25.8

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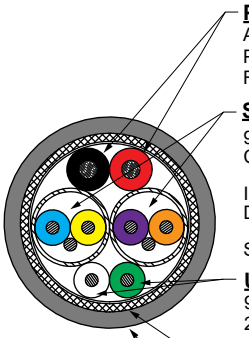
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SuperSpeed USB Cable

Glenair Part Number 963-118

90 ohm commercial-grade cable features PVC jacket. SuperSpeed data pairs feature low dielectric constant foamed PE insulation. Each SuperSpeed pair has an aluminized polyester shield. Overall shield is aluminum foil and aluminum wire braid.

Construction Details



POWER PAIR
AWG 24 NICKEL-PLATED COPPER
PVC INSULATION
RED/BLACK

SUPERSPEED PAIRS
90 OHM SHIELDED TWISTED
CONDUCTORS - 28 AWG 7X36 NICKEL PLATED COPPER
INSULATION - FM-PE .041 (1.04)
DRAIN - 28 AWG 7X36 NICKEL PLATED COPPER
SHIELD - ALUMINUM FOIL

USB 2.0 SIGNAL PAIR
90 OHM UNSHIELDED TWISTED
28 AWG 7X36 NICKEL PLATED
COPPER, HDPE INSULATION

OVERALL SHIELD
SHIELD 1- ALUMINUM FOIL
SHIELD 2 -16 X 6/0.12mm ALUMINUM

JACKET
BLACK PVC
.217 (5.5) OD

Color Code

SuperSpeed pairs VIO/ORN and BLU/YEL · Power wires RED, BLK · Low speed pair WHT/GRN.

Specifications

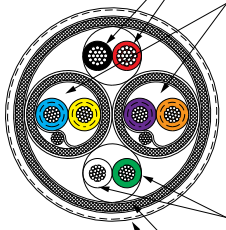
Impedance (ohms)		
High speed pairs	90 ± 7 (USB 3.0 pairs)	
Low-speed pair	90 ±15% (USB 2.0 pairs)	
Temperature Rating	0° to +80°C	
Voltage Rating	30V	
Intra-pair skew	15 ps/1.5m	
Differential to common mode	20 dB/cable @ 0.1 - 7.5 GHz	
Frequency (GHz)	IL (dB@1.5m)	NEXT (dB)
0.1	1.5	32
1.25	5.0	
2.5	7.5	32
3.0		23
7.5	25.0	23

SuperSpeed USB Cable

Glenair Part Number 963-110

High performance, high temperature cable delivers dependable signal integrity over longer cable lengths. Fluoropolymer jacket can be laser-marked. Low-skew SuperSpeed data pairs have individual braid shields.

Construction Details



POWER PAIR
AWG 24 19/36 SILVER-PLATED COPPER
FLUOROPLASTIC INSULATION
RED/BLACK TWISTED

SUPERSPEED PAIRS
90 OHM SHIELDED TWISTED
CONDUCTORS - 26 AWG 19X38 SILVER PLATED COPPER
INSULATION - PTFE OVER ePTFE
BINDER - WHITE ePTFE
DRAIN - 28 AWG 19X40 SILVER PLATED COPPER
SHIELD - 40 AWG SILVER PLATED COPPER BRAID
JACKET - FLUOROPOLYMER, WHITE

USB 2.0 SIGNAL PAIR
90 OHM UNSHIELDED TWISTED
AWG 26 19X38 SILVER PLATED COPPER,
FLUOROPLASTIC INSULATION

OUTER SHIELD
BINDER - ePTFE UNDER AND OVER
AWG 38 SILVER-PLATED COPPER BRAID

JACKET
FLUOROPOLYMER, NATURAL OVER
FLUOROPOLYMER, WHITE
LASER-MARKABLE .228/.244 (5.8/6.2) DIA.

Color Code

SuperSpeed pairs VIO/ORN and BLU/YEL · Power wires RED, BLK · Low speed pair WHT/GRN.

Specifications

Impedance (ohms)	90 ± 5	
Temperature Rating	-65° to +200°C	
Voltage Rating	< 50 Vac	
Dielectric Withstanding Voltage	100 Vac rms	
Weight	57 g/m nominal	
Bend Radius (min.)	**Static**	**Dynamics**
	0.591 (15)	2.362 (60)
Attenuation (SDD21)	**Freq. (GHz)**	**dB/m max.**
	.625	1.2
	1.25	1.7
	2.5	2.5
	5.0	3.9
	7.5	5.0

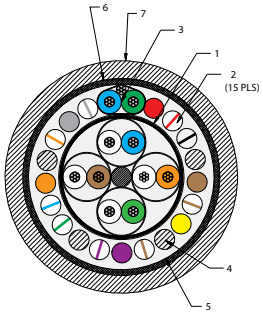
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Aerospace Grade 26 AWG S/FTP, High-Speed Cable

Glenair Part Number	963-120-1 Duralectric Lite 963-120-2 Polyurethane LSZH 963-120-3 FEP Jacket

For use with El Ochito red contacts. S/FTP 26 AWG cable has foil shield around each data pair for reduced crosstalk and attenuation. High data rate cable jacket is available in 3 material types including Duralectric Lite, polyurethane and FEP. The high-density construction significantly reduces weight and diameter. Meets HDMI 2.0 and DisplayPort 1.2 up to 5 meters

Construction Details



1. HIGH SPEED CORE
   A. **DATA PAIR (4X):** 100 ± 10 OHM (SHIELDED TWISTED PAIR)
      CONDUCTORS: 2X 26 AWG (7/34) SILVER PLATED COPPER ALLOY
      INSULATION: PFA
      PAIR SHIELD: ALUMINUM/POLYIMIDE TAPE FOIL SIDE OUT
   B. **OUTER SHIELD:** 40 AWG SILVER PLATED COPPER BRAID, 90% MIN. COVERAGE
   C. **OUTER JACKET:** PTFE TAPE .237 ± .007 O.D
   D. **FILLER:** PTFE (.038") OD
2. 15X # 26 AWG M22759/11-26-X
3. DATA PAIR: 100 ±10 OHM SHILEDED TWISTED PAIR WITH PFA JACKET OVER THE PAIR SHIELD
   CONDUCTORS: 2X 26 AWG (7/34) SPCA
   COLORS: GREEN, BLUE
   INSULATION: PFA
   DRAIN WIRE: 26 AWG (7/34) SPC
   PAIR SHIELD: ALUMINUM/POLYIMIDE TAPE, FOIL SIDE IN
4. FIBERGLASS FILLER: PER MIL-Y-1140
5. OUTER SHIELD: 36 AWG, T/C, 90% MIN. COVERAGE
6. JACKET MATERIAL: PER PART NUMBER DEVELOPMENT

Specifications

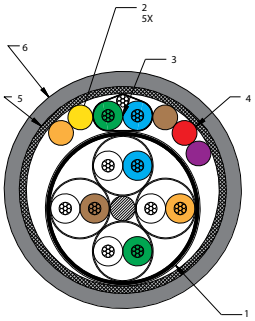
Jacket Material	963-120-1 Duralectric Light 963-120-2 Polyurethane LSZH 963-120-3 FEP	
Impedance (ohms)	100 ±10	
Temperature Rating	963-120-1 & -3: -65° to +200° C 963-120-2: -40° to +90° C	
Outer Diameter	**Part Number**	**Approx. Dia.**
	963-120-1	.404 (10.26)
	963-120-2	.372 (9.45)
	963-120-3	.350 (8.89)
Jacket Color	Black	

26 AWG S/FTP, HDMI and DisplayPort Cable

Glenair Part Number	963-127-1 Duralectric Lite 963-127-2 Polyurethane LSZH 963-127-3 FEP Jacket

For use with El Ochito red contacts. S/FTP 26 AWG cable has a foil shield around each data pair for reduced crosstalk and attenuation. High data rate cable jacket is available in 3 material types including Duralectric Lite, polyurethane LSZH and FEP. The high-density construction significantly reduces weight and diameter. Meets HDMI 2.0 and DisplayPort 1.2 up to 5 meters

Construction Details



1. HIGH SPEED CORE
   A. **DATA PAIR (4X):** 100 ± 10 OHM (SHIELDED TWISTED PAIR)
      CONDUCTORS: 2X 26 AWG (7/34) SILVER PLATED COPPER ALLOY
      INSULATION: PFA, Ø.045
      PAIR SHIELD: ALUMINUM/POLYIMIDE TAPE FOIL SIDE OUT
   B. **OUTER SHIELD:** 40 AWG SILVER PLATED COPPER BRAID, 90% MIN. COVERAGE
   C. **OUTER JACKET:** PTFE TAPE .237 ± .007 O.D
   D. **FILLER:** PTFE (.038") OD
2. 5X # 26 AWG (7/34) SILVER PLATED COPPER
3. DATA PAIR: 100 ±10 OHM SHIELDED TWISTED PAIR WITH PFA JACKET OVER THE PAIR SHIELD
   CONDUCTORS: 2X 26 AWG (7/24) SPCA
   INSULATION: PFA
   DRAIN WIRE: 26 AWG (7/34) SPC
   PAIR SHIELD: .0015 ALUMINUM/POLYIMIDE TAPE, FOIL SIDE IN
4. OUTER SHIELD: 36 AWG, T/C, 90% MIN. COV.
   JACKET MATERIAL: PER PART NO. DELEVOPMENT
   COLOR: BLACK

Specifications

Jacket Material	963-127-1 Duralectric 963-127-2 Polyurethane LSZH 963-127-3 FEP	
Impedance (ohms)	100 ±10	
Temperature Rating	963-127-1 and -3: -65° to +200° C 963-217-2: -40° to +90° C	
Outer Diameter	**Part Number**	**Approx. Dia.**
	963-127-1	.415 (10.54)
	963-127-2	.359 (9.12)
	963-127-3	.337 (8.56)
Jacket Color	Black	

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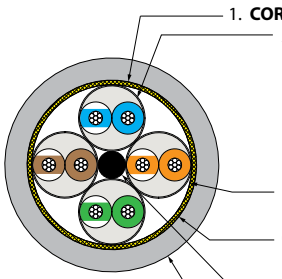
26 AWG High-Speed 4 Pair Cable for El Ochito® Red

Aerospace Grade 26 AWG S/FTP, High-Speed Cable

Glenair Part Number	963-122-1 Duralectric Lite
	963-122-2 Polyurethane LSZH
	963-122-3 FEP Jacket

S/FTP aerospace grade 26 AWG cable has an individual foil shield around each data pair for reduced crosstalk and attenuation. This high-speed cable features three cable jacket material options. High-density construction significantly reduces weight and diameter.

Construction Details



1. **CORE**
   - A. **(4X) DATA PAIR:** 100 ±10 OHM (SHIELDED TWISTED PAIR) **CONDUCTORS:** 2X SIZE 26 AWG (7/34) SILVER PLATED COPPER **CONDUCTOR INSULATION:** PFA Ø.045 **PAIR SHIELD:** ALUMINUM/POLYIMIDE TAPE FOIL SIDE OUT
   - B. **OUTER SHIELD:** 40 AWG SILVER PLATED COPPER BRAID, 90% MIN. COVERAGE
   - C. **OUTER JACKET:** PTFE TAPE
   - D. **FILLER:** PTFE
2. **JACKET MATERIAL:** PER P/N DEVELOPMENT
   COLOR: BLACK

Color Code

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

Specifications

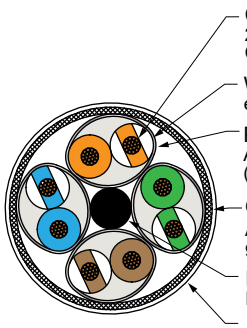
Jacket Material	963-122-1 Duralectric	
	963-122-2 Polyurethane LSZH	
	963-122-3 FEP	
Impedance (ohms)	100 (+10 -5)	
Temperature Rating	963-122-1 & -3: -65° to +200° C	
	963-122-2: -40° to +90° C	
Weight (lbs/1000 ft.)	32.0	
Outside Diameter	963-122-1 and -3: .299 (7.59)	
	963-122-2: .277 (7.04)	
Capacitance (pF/ft)	12.5	
Time Delay	1.24 ns/ft	
Maximum Attenuation at 5m Length	**Frequency**	**dB**
	.625 GHz	4.5
	.825 GHz	5.0
	1.25 GHz	6.5
	2.5 GHz	9.5
	5.0 GHz	15.5
	7.5 GHz	21.0
	8.1 GHz	22.5

26 AWG S/FTP Cat 6A Cable

Glenair Part Number	963-033-26

S/FTP 26 AWG cable has an individual foil shield around each data pair for reduced crosstalk and attenuation. This high data rate Ethernet cable features a unique cable jacket material and high-density construction that significantly reduces weight and diameter. Meets ANSI/TIA 568-C.2 Cat 6A requirement up to 213 feet/65 meters. ***Qualified to SAE AS6070/5 and /6.***

Construction Details



- **CONDUCTOR**
  26 AWG 19/38 SILVER PLATED COPPER ALLOY
- **WIRE INSULATION**
  ePTFE / PTFE, Ø.050 (1.27)
- **PAIR SHIELD**
  ALUMINIZED POLYIMIDE (ALUMINUM OUT)
- **OVERALL SHIELD**
  AWG 40 SILVER-PLATED COPPER 92% MIN COVERAGE
- **FILLER**
  FEP/ePTFE, .036 (0.12)
- **JACKET**
  ENGINEERED FLUOROPOLYMER EF100 WHITE LASER-MARKABLE 0.004 (0.10) WALL 0.220 (5.59) MAX DIAMETER

Color Code

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

Specifications

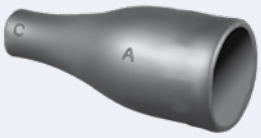
Impedance (ohms)	100 (+10 -5)	
Temperature Rating	-65° to +200°C	
Weight (lbs/1000 ft.)	32.0	
Bend Radius	.44 (11.18)	
Capacitance (pF/ft)	12.5	
Time Delay	1.24 ns/ft	
Maximum Attenuation at 65m Length	**Frequency**	**dB**
	10 MHz	5.9
	100 MHz	19.1
	250 MHz	31.1
	500 MHz	45.3
NEXT (minimum)	**Frequency**	**dB**
	1 MHz	74.3
	10 MHz	59.2
	100 MHz	52.3
	250 MHz	47.9
	500 MHz	42.2

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Dimensions in Inches (millimeters) are subject to change without notice.

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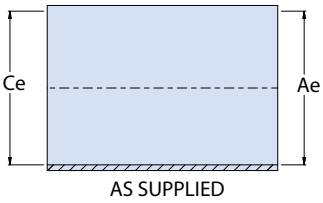
Heat Shrink Boot (Type II Only)

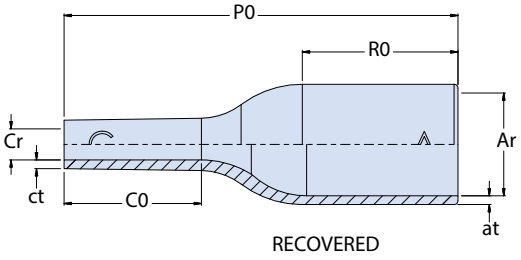


770-074 non-lipped, zero halogen heat shrink boot without eyelet. Shrink boot is adhesive lined for use with Type 2 El Ochito contacts. Provides environmental sealing and strain relief support. Pre-coated with W1 zero halogen/hot melt adhesive rated for use up to 125°C. To be used in place of a grommet follower for Type II assemblies.

How-to-Order

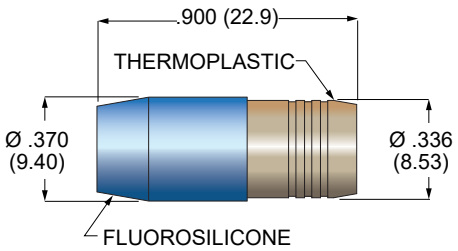
770	-	074	S	1	01	W1
Series		**Basic Part No.**	**Angular Function**	**Material**	**Boot Size**	**Adhesive**
		Non-Lipped Boot Without Eyelet	S Straight	1 Compound 2025: High Performance Elastomer		W1 125° C Zero Halogen/ Hot Melt





Grommet Follower (Type I)

An "F" suffix in the contact part number indicates the contact is supplied with a grommet follower. To order these contacts without grommet follower, delete the "F" suffix from the part number. Grommet followers are not compatible with Type II Ochito contacts.



GROMMET FOLLOWER FOR OCHITO CONTACTS

687-754-8-4
FOR .177 (4.5) DIAMETER CABLES
687-754-8-8
FOR .220 (5.56) DIAMETER CABLES
687-754-8-9
FOR .236 (6.0) DIAMETER CABLES

770-074 Shrink Boot Dimensions

Boot Size	Ae Dia Min	Ce Dia Min	Ar Dia Max	at ±30%	Cr Dia Max	ct ±20%	C0 Ref	P0 ±10%	R0 Ref
-01	.354 (8.99)	.354 (8.99)	.265 (6.73)	.023 (0.58)	.080 (2.03)	.023 (0.58)	.354 (8.99)	1.015 (25.78)	.401 (10.19)

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El Ochito® Autoshrink Boot

777-046 Autoshrink Boot

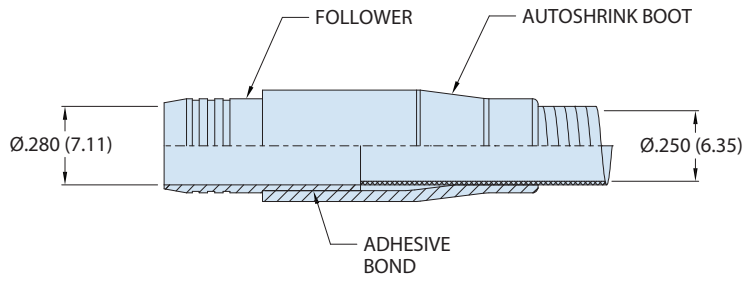
777-046 AutoShrink D Size #8 Contact Follower with Pre-Installed Boot is a labor-saving shrink-boot solution for environmental protection of El Ochito Type I contacts. Designed for rugged weathering, UV and ozone-resistant performance, Glenair Autoshrink offers improved sealing for non-uniform wall jackets. Built from Glenair Duralectric D material, the Autoshrink contact follower is fully hydrophobic and resistant to caustic chemicals and solvents. Easy-action spiral hold-out and large cold shrink ratio makes for fast installation and durable, split-resistant performance.

How-to-Order

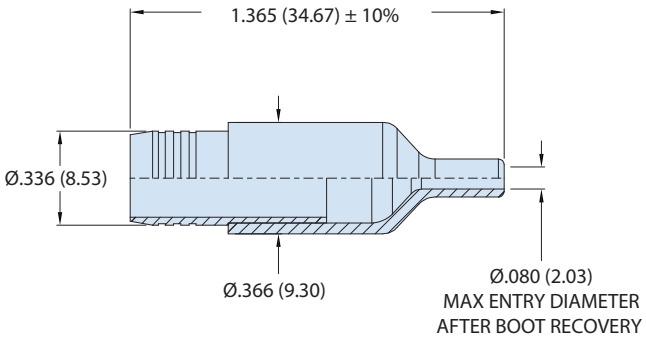
777	-	046	S	0	01
		Basic Part No. Duralectric Autoshrink Preinstalled Boot	**Angular Function** S Straight	**Color** (See Table I)	**Boot Size**

Table I

Color Designator	Color
0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Violet
8	Gray
9	White
DT	Desert Tan
OG	Dark Olive Green



AS SUPPLIED



RECOVERED

AutoShrink Boots and Grommet Follower (Type I)

- An "F" suffix in the contact part number indicates the contact is supplied with a grommet follower. To order El Ochito contacts with the 777-046 AutoShrink Boot, delete the "F" suffix from the part number.
- AutoShrink boots are not compatible with Type II Ochito contacts.
- El Ochito module is non-removable once the grommet follower is installed.

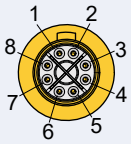
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El Ochito® White Single-Ended Cat 6A Cable Assembly 8571-0001



El Ochito® White for 10GBASE-T Ethernet, pin contact mating face

Contact Positions



Mating face of Pin



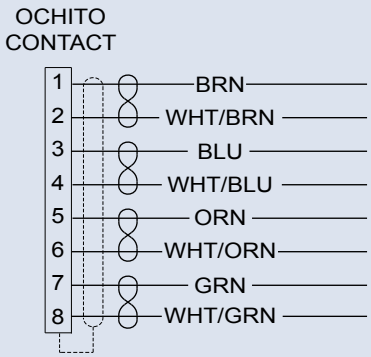
Mating face of Socket

Technical Data

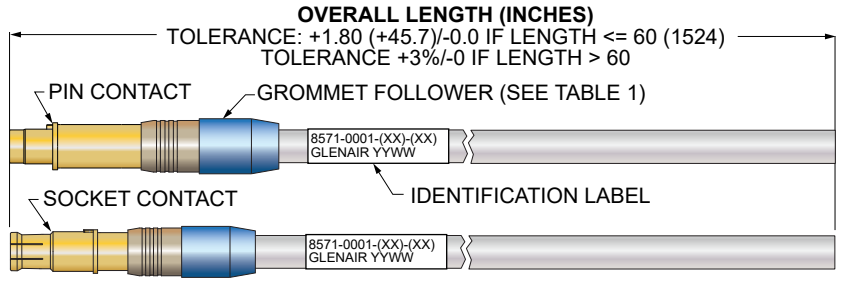
- Refer to individual contact and cable data sheets for construction details
- 100% tested for shards, continuity and IR

- **Operating temp.**: -65° to +175°C
- **Impedance**: 100 ohms
- **DWV:** 500 Vrms
- **Current Rating**: 1.5 A
- **IR**: 200 megohms min.
- **Durability**: 500 mating cycles

Wiring Diagram



Save assembly time and cost with pre-wired, 100% tested El Ochito® White assemblies. Single-ended cables have El Ochito® White contacts terminated to Cat 6A aerospace-grade shielded cable. Supplied with cable grommet follower if applicable. Compatible with Glenair Series 23, Series 28, Series 792, Series 816, Series 806, ARINC 600 and EPXB connectors. Designed to meet the requirements of MIL-DTL-38999, SAE AS39029. ***El Ochito® contacts must be installed in keyed connectors before mating to prevent misalignment and contact damage.***



El Ochito® White Single-Ended Cable Assemblies

Sample Part Number→	8571-0001	-10	-60
Product	8571-0001 = Pre-wired El Ochito® contact, single-ended, Cat 6A		
Order Code	See Table 1		
Length	Length in Inches (12 inch minimum)		

Table 1 Order Code

Connector Type	Order Code	Contact P/N	Pin/Skt	Grommet Follower	Type I/ Type II	Cable Part Number
Series 23, Series 28	01	858-003-01F	Pin	Yes	I	963-003-26
	02	858-004-01F	Skt	Yes	I	963-003-26
	03	858-005-01	Pin	No	II	963-003-26
	04	858-005-02	Pin	No	II	963-033-26
	05	858-005-04	Pin	No	II	963-033-24
	06	858-006-01	Skt	No	II	963-003-26
	07	858-006-02	Skt	No	II	963-033-26
	08	858-006-04	Skt	No	II	963-033-24
	09	858-003-02F	Pin	Yes	I	963-033-26
	10	858-004-02F	Skt	Yes	I	963-033-26
ARINC 600	11	858-009-01	Pin	No	I	963-003-26
	12	858-009-02	Pin	No	I	963-033-26
	13	858-010-01	Skt	No	I	963-003-26
	14	858-010-02	Skt	No	I	963-033-26
EPXB	15	858-014-01F	Pin	Yes	I	963-033-26
	16	858-015-01F	Skt	Yes	I	963-033-26
Series 792, 816, and 806	17	858-046-01F	Skt	Yes	I	963-003-26
	18	858-046-02F	Skt	Yes	I	963-033-26
	19	858-045-01F	Pin	Yes	I	963-003-26
	20	858-045-02F	Pin	Yes	I	963-033-26
Series 792	23	858-043-01	Pin	No	II	963-003-26
	24	858-043-02	Pin	No	II	963-033-26
	25	858-043-04	Pin	No	II	963-033-24
	26	858-042-01	Skt	No	II	963-003-26
	27	858-042-02	Skt	No	II	963-033-26
	28	858-042-04	Skt	No	II	963-033-24

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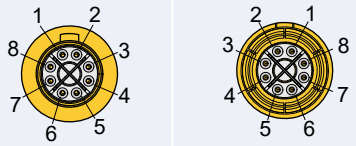
El Ochito® White Pin-to-Socket Cat 6A Cable Assembly 8571-0002



El Ochito® White for 10GBASE-T Ethernet, pin contact mating face

Lower installed cost. 100% tested. Save assembly time and cost with pre-wired El Ochito® White assemblies. These pin-to-socket cables have El Ochito® White contacts terminated to Cat 6A aerospace-grade shielded cable. Supplied with cable grommet follower if applicable. These pre-wired El Ochito® contacts snap into connector body without requiring an insertion tool. Remove contacts with plastic tool 859-049. Compatible with Glenair Series 23, Series 28, Series 792, Series 816, Series 806, ARINC 600 and EPXB connectors. Designed to meet the requirements of MIL-DTL-38999, SAE AS39029. ***El Ochito® contacts must be installed in keyed connectors before mating to prevent misalignment and contact damage.***

Contact Positions



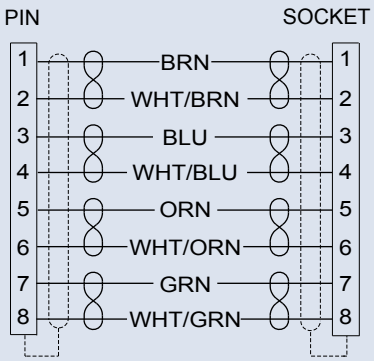
Mating face of Pin | Mating face of Socket

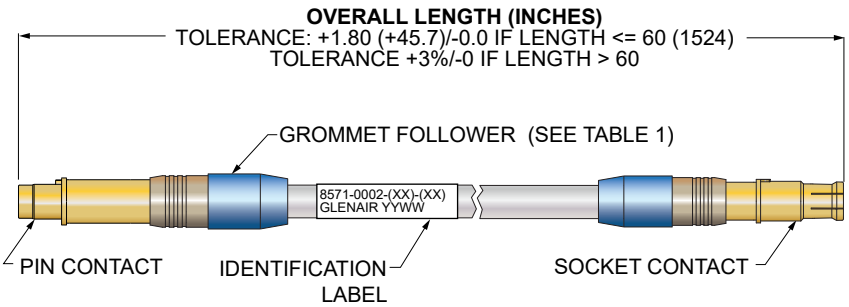
Technical Data

- Refer to individual contact and cable data sheets for construction details
- 100% tested for shorts, continuity and IR

- **Operating temp.**: -65° to +175°C
- **Impedance**: 100 ohms
- **DWV:** 500 Vrms
- **Current Rating**: 1.5 A
- **IR**: 200 megohms min.
- **Durability**: 500 mating cycles

Wiring Diagram





Cat 6A Pre-Wired El Ochito® Pin-Socket Assemblies

Sample Part Number→	8571-0002	-01	-36
Product	8571-0002 = Pre-wired El Ochito® contacts, Pin-to-Socket		
Order Code	See Table 1		
Length	Length in Inches (12 inch minimum)		

Table 1 Order Code

Connector Type	Order Code	Pin Contact Part No.	Skt Contact Part No.	Grommet Follower	Type I/ Type II	Cable Part Number
Series 23 Series 28	01	858-003-01F	858-004-01F	Yes	I	963-003-26
	02	858-005-01	858-006-01	No	II	963-003-26
	03	858-005-02	858-006-02	No	II	963-033-26
	04	858-005-04	858-006-04	No	II	963-033-24
	05	858-003-02F	858-004-02F	Yes	I	963-033-26
Series 792 Series 806 Series 816	06	858-045-01F	858-046-01F	Yes	I	963-003-26
	07	858-045-02F	858-046-02F	Yes	I	963-033-26
ARINC 600	08	858-009-01	858-010-01	No	I	963-003-26
	09	858-009-02	858-010-02	No	I	963-033-26
EPXB	10	858-014-01F	858-015-01F	Yes	I	963-033-26
Series 792	13	858-043-01	858-042-01	no	II	963-003-26
	14	858-043-02	858-042-02	no	II	963-033-26
	15	858-043-04	858-042-04	no	II	963-033-24

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Dimensions in Inches (millimeters) are subject to change without notice.

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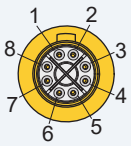
El Ochito® White-to-RJ45 Cable Assemblies 8571-0003 Commercial Grade



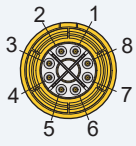
El Ochito® White for 10GBASE-T Ethernet, pin contact mating face

El Ochito® White-to-RJ45. Commercial grade (8571-0003) Cat6a. Save assembly time and cost with pre-wired El Ochito® White assemblies. These pin or socket contacts are terminated to Cat 6a commercial-grade shielded cable and deliver 10 Gigabit ethernet performance. Supplied with cable grommet follower if applicable. High quality commercial grade assemblies have foil shields on each wire pair. Compatible with Glenair Series 23 SuperNine, Series 28 HiPer-D, Series 792, Series 816, Series 806, and ARINC 600. ***El Ochito® contacts must be installed in keyed connectors before mating to prevent misalignment and contact damage. Per wiring diagram below, RJ45 plug pinout adheres to EIA/TIA T568B standard.***

Contact Positions



Mating face of Pin



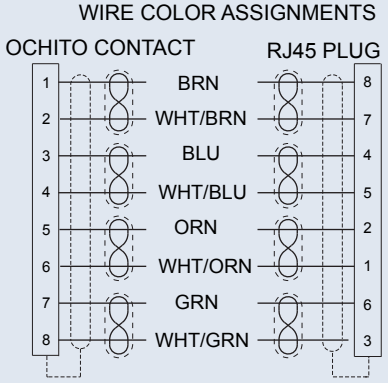
Mating face of Socket

Technical Data

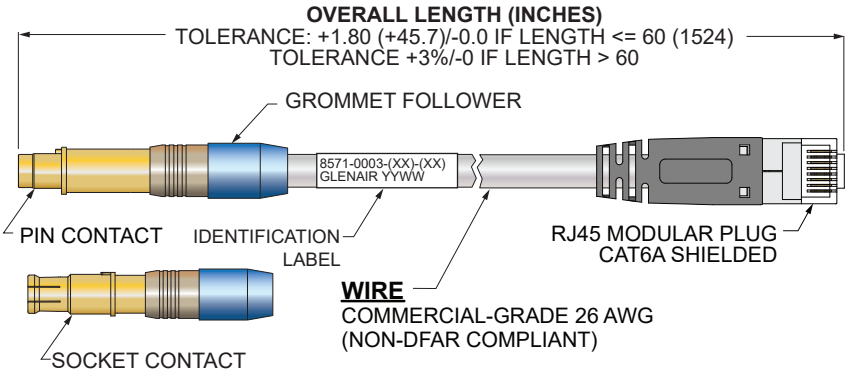
- Refer to individual contact data sheets for construction details
- 100% tested for shorts, continuity and IR

- **Operating temp:** -10°C to +60°C
- **Wire Size:** 26 AWG
- **Impedance:** 100 ohms
- **DWV:** 500 Vrms
- **Current Rating:** 1.5 A
- **IR:** 200 megohms min.
- **Durability:** 500 mating cycles

Wiring Diagram



RJ45 wired per EIA/TIA T568B



El Ochito®-to-RJ45 Cable Assemblies, Commercial-grade Wire

Sample Part Number→	8571-0003	-01	-24
Product	8571-0003 = Cable Assy, El Ochito® to RJ45 Plug, Commercial Grade		
El Ochito® Contact Part Number	See Table 1		
Length	Length in Inches (12 inch minimum, 240 inches max)		

Table 1 Order Code

Connector Type	Order Code	Contact Part No.	Type I Pin/Skt	Cable Type	Cable Part Number
Series 23 Series 28	01	858-003-01F	Pin	Commercial-grade, LSZH Jacket, -10° to +60°C	ZM6A-SXX-01
	02	858-004-01F	Socket		ZM6A-SXX-01
Series 792 Series 806 Series 816	03	858-045-01F	Pin	Commercial-grade, LSZH Jacket, -10° to +60°C	ZM6A-SXX-01
	04	858-046-01F	Socket		ZM6A-SXX-01
ARINC 600	05	858-009-01B	Pin	Commercial-grade, LSZH Jacket, -10° to +60°C	ZM6A-SXX-01
	06	858-010-01B	Socket		ZM6A-SXX-01

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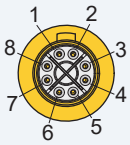
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El Ochito® White-to-RJ45 Cable Assemblies 8571-0004 Aerospace Grade



El Ochito® White for 10GBASE-T Ethernet, pin contact mating face

Contact Positions



Mating face of Pin



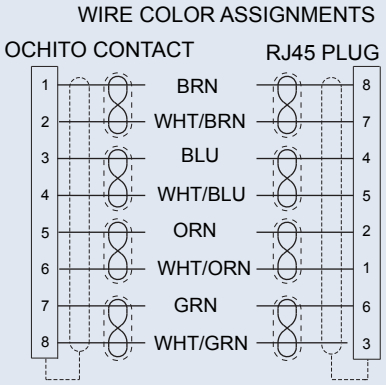
Mating face of Socket

Technical Data

- Refer to individual contact data sheets for construction details
- 100% tested for shorts, continuity and IR

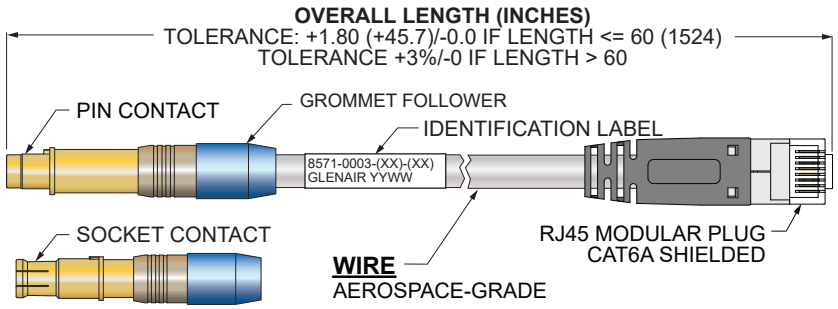
- **Operating temp:** -40° to +85°C
- **Wire Size:** 26 AWG
- **Impedance:** 100 ohms
- **DWV:** 500 Vrms
- **Current Rating:** 1.5 A
- **IR:** 200 megohms min.
- **Durability:** 500 mating cycles

Wiring Diagram



RJ45 wired per EIA/TIA T568B

El Ochito® White-to-RJ45. Flight-grade (8571-0004) Cat6A. Save assembly time and cost with pre-wired El Ochito® White assemblies deliver 10 Gigabit ethernet performance. High performance engineered fluoropolymer aerospace grade assemblies have foil shields on each wire pair. Compatible with Glenair Series 23 SuperNine, Series 28 HiPer-D, Series 792, Series 816, Series 806, and ARINC 600. ***El Ochito® contacts must be installed in keyed connectors before mating to prevent misalignment and contact damage. Per wiring diagram below, RJ45 plug pinout adheres to EIA/TIA T568B standard.***



El Ochito®-to-RJ45 Cable Assemblies, Flight-grade Wire

Sample Part Number→	8571-0004	-01	-24
Product	8571-0004 = Cable Assy, El Ochito® to RJ45 Plug, Aerospace Grade		
Contact P/N	See Table 1		
Length	Length in Inches (12 inch minimum)		

Table 1 Order Code

Connector Type	Order Code	Contact Part No.	Pin/ Skt	Type I/ Type II	Cable Type	Cable Part Number
Series 23 Series 28	01	858-003-02F	Pin	I	Aerospace-grade, -65° to +200°C	963-033-26
	02	858-004-02F	Skt	I		963-033-26
Series 792 Series 806 Series 816	03	858-045-02F	Pin	I	Aerospace-grade, -65° to +200°C	963-033-26
	04	858-046-02F	Skt	I		963-033-26
ARINC 600	05	858-009-02B	Pin	I	Aerospace-grade, -65° to +200°C	963-033-26
	06	858-010-02B	Skt	I		963-033-26
EN3645 & EN4165	07	858-026-02F	Pin	I	Aerospace-grade, -65° to +200°C	963-033-26
	08	858-027-02F	Skt	I		963-033-26
Series 792	11	858-043-02	Pin	II	Aerospace-grade, -65° to +200°C	963-033-26
	12	858-042-02	Skt	II		963-033-26
	13	858-043-04	Pin	II		963-033-24
	14	858-042-04	Skt	II		963-033-24
Series 23 Series 28	15	858-005-02	Pin	II	Aerospace-grade, -65° to +200°C	963-033-26
	16	858-006-02	Skt	II		963-033-26
	17	858-005-04	Pin	II		963-033-24
	18	858-006-04	Skt	II		963-033-24
Series 806 Series 816	19	858-051-02	Pin	II	Aerospace-grade, -65° to +200°C	963-033-26
	20	858-052-02	Skt	II		963-033-26
	21	858-051-04	Pin	II		963-033-24
	22	858-052-04	Skt	II		963-033-24
EPXB	23	858-014-01F	Pin	I	Aerospace-grade, -65° to +200°C	963-033-26
	24	858-015-01F	Skt	I		963-033-26

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Rev. 05.17.24

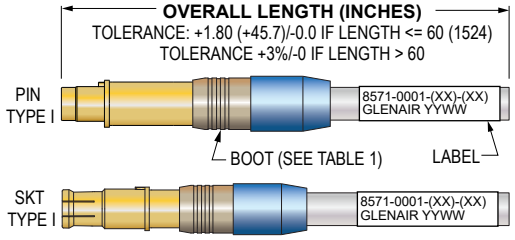
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El Ochito® White Single Ended Cat 8 Cable Assemblies 8571-0039

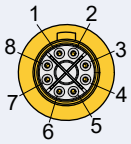
Save assembly time and cost with pre-wired, 100% tested El Ochito® White assemblies. These single-ended cables have El Ochito® White contacts terminated to Cat 8 aerospace-grade shielded cable. Supplied with cable grommet follower if applicable. Compatible with Glenair Series 23, Series 28, Series 792, Series 816, Series 806, ARINC 600 and EPXB connectors. Designed to meet the requirements of MIL-DTL-38999, SAE AS39029. ***El Ochito® contacts must be installed in keyed connectors before mating to prevent misalignment and contact damage.***



El Ochito® White for 40GBASE-T Ethernet, pin contact mating face



Contact Positions



Mating face of Pin



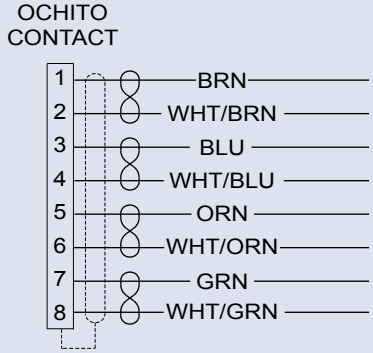
Mating face of Socket

Technical Data

- Refer to individual contact and cable data sheets for construction details
- 100% tested for shorts, continuity and IR

- **Operating temp.**: -65° to +175°C
- **Impedance**: 100 ohms
- **DWV:** 500 Vrms
- **Current Rating**: 1.5 A
- **IR**: 200 megohms min.
- **Durability**: 500 mating cycles

Wiring Diagram



El Ochito® White Single-Ended Cable Assemblies

Sample Part Number→	8571-0039	-10	-60
Product	8571-0039 = Pre-wired El Ochito® contact, single-ended, Cat 8		
Order Code	See Table 1		
Length	Length in Inches (12 inch minimum)		

Table 1 Order Code

Connector Type	Order Code	Contact Part	Type I Pin/Skt	Type II Pin/Skt	Boot Type	Cable
Series 23 Series 28	01	858-003-04F	Pin		Sealing	963-132-26
	02	858-003-05F	Pin		Sealing	963-135-26
	03	858-004-04F	Skt		Sealing	963-132-26
	04	858-004-05F	Skt		Sealing	963-135-26
	05	858-005-06		Pin	None	963-132-26
	06	858-005-07		Pin	None	963-132-24
	07	858-005-08		Pin	None	963-135-26
	08	858-006-06		Skt	None	963-132-26
	09	858-006-07		Skt	None	963-132-24
	10	858-006-08		Skt	None	963-135-26
Arinc 600	11	858-009-04B	Pin		Alignment	963-132-26
	12	858-009-05B	Pin		Alignment	963-135-26
	13	858-010-04B	Skt		Alignment	963-132-26
	14	858-010-05B	Skt		Alignment	963-135-26
EPXB	15	858-014-04F	Pin		Sealing	963-132-26
	16	858-014-05F	Pin		Sealing	963-135-26
	17	858-015-04F	Skt		Sealing	963-132-26
	18	858-015-05F	Skt		Sealing	963-135-26
Series 792	19	858-042-06		Skt	None	963-132-26
	20	858-042-07		Skt	None	963-132-24
	23	858-042-08		Skt	None	963-135-26
	24	858-043-06		Pin	None	963-132-26
	25	858-043-07		Pin	None	963-132-24
	26	858-043-08		Pin	None	963-135-26
Series 792 Series 806 Series 816	27	858-045-04F	Pin		Sealing	963-132-26
	28	858-045-05F	Pin		Sealing	963-135-26
	29	858-046-04F	Skt		Sealing	963-132-26
	30	858-046-05F	Skt		Sealing	963-135-26
Series 806 Series 816	31	858-051-06		Pin	None	963-132-26
	32	858-051-07		Pin	None	963-132-24
	33	858-051-08		Pin	None	963-135-26
	34	858-052-06		Skt	None	963-132-26
	35	858-052-07		Skt	None	963-132-24
	36	858-052-08		Skt	None	963-135-26

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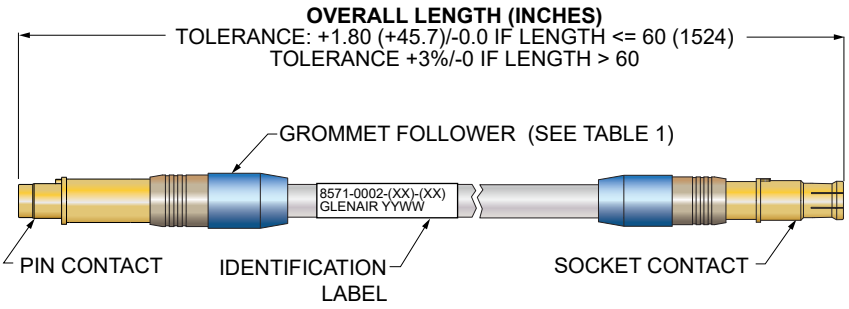
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El Ochito® White Type I, Pin-to-Socket Cat 8 Cable Assembly 8571-0040

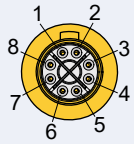


El Ochito® White for 40GBASE-T Ethernet, pin contact mating face

Lower installed cost. 100% tested. Save assembly time and cost with pre-wired El Ochito® White assemblies.These pin-to-socket cables have El Ochito® White contacts terminated to Cat 8 aerospace-grade shielded cable. Supplied with cable grommet follower if applicable. These pre-wired El Ochito® contacts snap into connector body without requiring an insertion tool. Remove contacts with plastic tool 859-049. Compatible with Glenair Series 23, Series 28, Series 792, Series 816, Series 806, ARINC 600 and EPXB connectors. Designed to meet the requirements of MIL-DTL-38999, SAE AS39029. ***El Ochito® contacts must be installed in keyed connectors before mating to prevent misalignment and contact damage.***



Contact Positions



Mating face of Pin



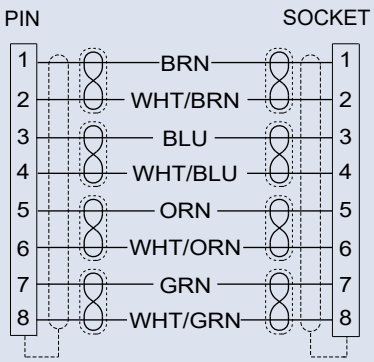
Mating face of Socket

Technical Data

- Refer to individual contact and cable data sheets for construction details
- 100% tested for shorts, continuity and IR

- **Operating temp.**: -65° to +175°C
- **Impedance**: 100 ohms
- **DWV:** 500 Vrms
- **Current Rating**: 1.5 A
- **IR**: 200 megohms min.
- **Durability**: 500 mating cycles

Wiring Diagram



Cat 8 Pre-Wired El Ochito® Pin-Socket Assemblies

Sample Part Number→	8571-0040	-A	A	-1	-24
Product	8571-0040 = Pre-wired El Ochito® contacts, Pin-to-Socket				
Pin Contact Code	See Table I				
Skt Contact Code	See Table II				
Cable Type	See Table III				
Length	Length in Inches (12 inch minimum)				

Table I: Pin Contact Code

Connector Series	Order Code	Ochito Contact	Boot Type
Series 23 Series 28	A	858-003	Sealing
ARINC 600	B	858-009	Alnmnt
EPXB	C	858-014	Sealing
Series 792 Series 816 Series 806	D	858-045	Sealing

Table II: Socket Contact Code

Connector Series	Order Code	Ochito Contact	Boot Type
Series 23 Series 28	A	858-004	Sealing
ARINC 600	B	858-010	Alnmnt
EPXB	C	858-015	Sealing
Series 792 Series 806 Series 816	D	858-046	Sealing

Table III: Cable Type

Order Code	Cable Part No.	Cable Description
1	963-132-26	Cat 8 S/FTP, EF100
2	963-135-26	Cat 8 S/FTP, FEP

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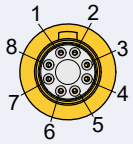
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El Ochito® Type II White Pin-to-Socket Cat 8 Cable Assembly 8571-0041

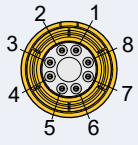


El Ochito® White for 40GBASE-T Ethernet, pin contact mating face

Contact Positions



Mating face of Pin



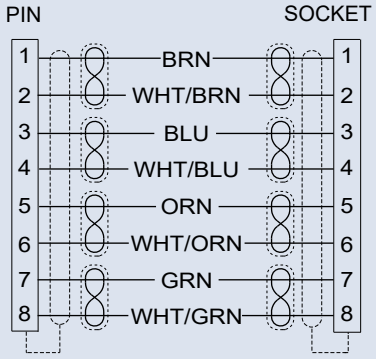
Mating face of Socket

Technical Data

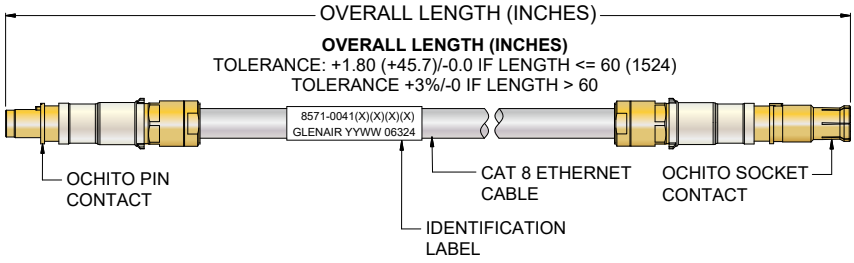
- Refer to individual contact and cable data sheets for construction details
- 100% tested for shorts, continuity and IR

- **Connector Operating temp.**: -65° to +175°C
- **Impedance**: 100 ohms
- **DWV:** 500 Vrms
- **Current Rating**: 1.5 A
- **IR**: 200 megohms min.
- **Durability**: 500 mating cycles

Wiring Diagram



Lower installed cost. 100% tested. Save assembly time and cost with pre-wired El Ochito® White assemblies. These pin-to-socket cables have El Ochito® White contacts terminated to Cat 8 aerospace-grade shielded cable. These pre-wired El Ochito® contacts snap into connector body without requiring an insertion tool. Compatible with Glenair Series 23, Series 28, Series 792, Series 816, Series 806, ARINC 600 and EPXB connectors. Designed to meet the requirements of MIL-DTL-38999, SAE AS39029. ***El Ochito® contacts must be installed in keyed connectors before mating to prevent misalignment and contact damage.***



Cat 8 Pre-Wired El Ochito® Pin-Socket Assemblies

Sample Part Number→	8571-0041	-A	A	-1	-24
Product	8571-0041 = Pre-wired El Ochito® contacts, Pin-to-Socket				
Pin Contact Code	See Table I				
Skt Contact Code	See Table II				
Cable Type	See Table III				
Length	Length in Inches (12 inch minimum)				

Table I: Pin Contact Code

Connector Series	Order Code	Ochito Contact
Series 23 Series 28	A	858-005
Series 792	B	858-043
Series 806 Series 816	C	858-051

Table II: Skt Contact Code

Connector Series	Order Code	Ochito Contact
Series 23 Series 28	A	858-006
Series 792	B	858-042
Series 806 Series 816	C	858-052

Table III: Cable Type

Order Code	Cable Part No.	Cable Description
1	963-132-26	Cat 8 S/FTP, EF100
2	963-132-24	Cat 8 S/FTP, EF100
3	963-135-26	Cat 8 S/FTP, FEP

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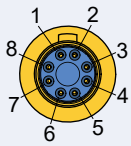
El Ochito® Blue Single-Ended SuperSpeed USB Cable Assembly 8572-0001



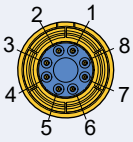
El Ochito® Blue for SuperSpeed USB, pin contact mating face

Two cable options: commercial grade or flight-grade. 100% tested. Save assembly time and cost with pre-wired El Ochito® Blue SuperSpeed USB assemblies. These single-ended assemblies have El Ochito® Blue contacts terminated to USB 3.0 shielded cables. Supplied with cable grommet follower. Commercial-grade version has PVC jacket. Aerospace-grade version has high temperature fluoropolymer construction and braided shields on SuperSpeed pairs. Compatible with Glenair Series 23, Series 28, Series 792, Series 816, Series 806, and ARINC 600 connectors. ***El Ochito® contacts must be installed in keyed connectors before mating to prevent misalignment and contact damage.***

Contact Positions



Mating face of Pin

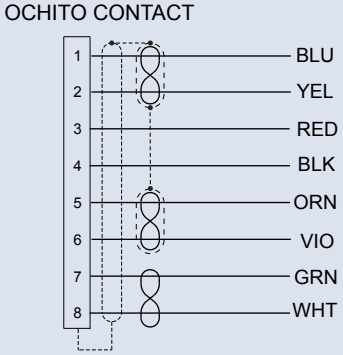


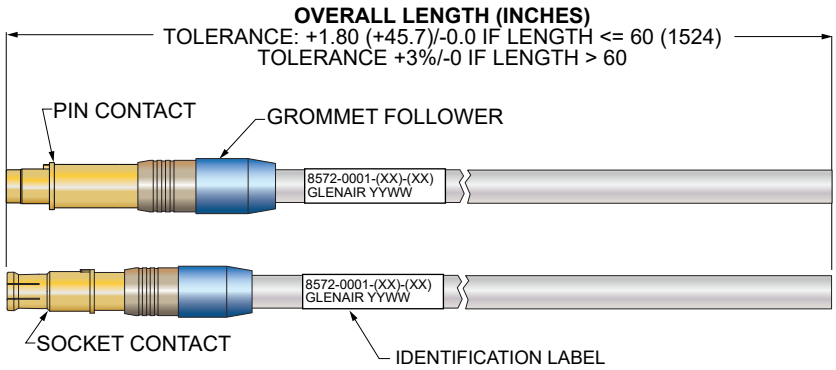
Mating face of Socket

Technical Data

- Refer to individual contact and cable data sheets for construction details
- 100% tested for shorts, continuity and IR
- **Operating temp.**: -65° to +175°C, aerospace-grade 0° to +80°C, commercial-grade
- **Impedance**: 90 ohms
- **DWV:** 100 Vrms
- **Current Rating**: 1.5 A
- **IR**: 100 megohms min.
- **Durability**: 500 mating cycles

Wiring Diagram





El Ochito® Blue USB Single-Ended Cable Assemblies

Sample Part Number	8572-0001	-01	-36
Product	8572-0001 = Pre-wired El Ochito® contact with USB 3.0 cable		
Order Code	See Table 1		
Length	Length in Inches (12 inch minimum)		

Table 1 Order Code

Connector Type	Order Code	Contact Part No.	Pin/Skt	Cable Part Number
Series 23 Series 28	01	858-028-01F	Pin	963-118
	02	858-028-02F	Pin	963-110
	03	858-029-01F	Socket	963-118
	04	858-029-02F	Socket	963-110
ARINC 600	05	858-038-01	Pin	963-118
	06	858-038-02	Pin	963-110
	07	858-035-01	Socket	963-118
	08	858-035-02	Socket	963-110
Series 792 Series 806 Series 816	09	858-047-01F	Pin	963-118
	10	858-047-02F	Pin	963-110
	11	858-048-01F	Socket	963-118
	12	858-048-02F	Socket	963-110

Cable Type

Order Code	Cable Type
01, 03, 05, 07, 09, 11	Commercial-grade, PVC Jacket, 0° to +80°C
02, 04, 06, 08, 10, 12	Aerospace-grade, Fluoropolymer Jacket, -65° to +200°C

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Dimensions in Inches (millimeters) are subject to change without notice.

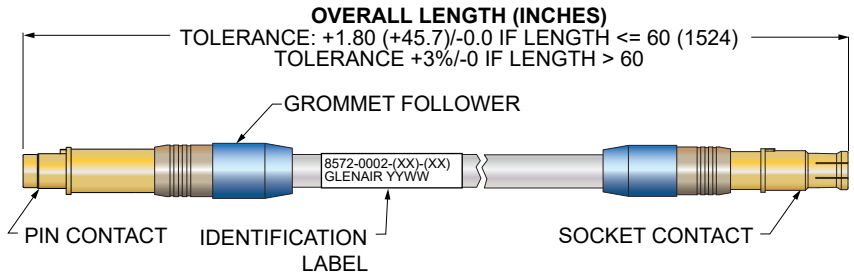
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El Ochito® Blue Pin-Socket SuperSpeed USB Cable Assembly 8572-0002

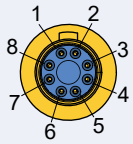


El Ochito® Blue for SuperSpeed USB, pin contact mating face

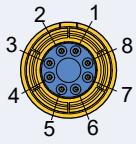
Aerospace-grade or commercial-grade cable. 100% tested. Save assembly time and cost with pre-wired El Ochito® Blue SuperSpeed USB assemblies. These assemblies have a pin contact on one end and a socket contact on the other end. Aerospace-grade high temperature cable (963-110) has fluoropolymer construction. Commercial-grade version (963-118) has PVC jacket. Compatible with Glenair Series 23, Series 28, Series 792, Series 816, Series 806 and ARINC 600 connectors. Supplied with cable grommet follower. ***El Ochito® contacts must be installed in keyed connectors before mating to prevent misalignment and contact damage.***



Contact Positions



Mating face of Pin

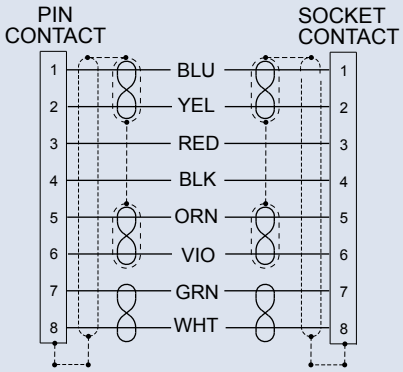


Mating face of Socket

Technical Data

- Refer to individual contact and cable data sheets for construction details
- 100% tested for shorts, continuity and IR
- **Operating temp.**: -65° to +175°C, aerospace-grade 0° to +80°C, commercial-grade
- **Impedance**: 90 ohms
- **DWV:** 100 Vrms
- **Current Rating**: 1.5 A
- **IR**: 100 megohms min.
- **Durability**: 500 mating cycles

Wiring Diagram



Pre-Wired El Ochito® Blue Pin-Socket Cable Assemblies

Sample Part Number→	8572-0002	-01	-36
Product	8572-0002 = Pre-wired El Ochito® contact with USB 3.0 cable		
Order Code	See Table 1		
Length	Length in Inches (12 inch minimum)		

Table 1 Order Code

Connector Type	Order Code	Pin Contact Part No.	Socket Contact Part No.	Cable Type	Cable Part Number
Series 23 Series 28	01	858-028-01F	858-029-01F	Commercial-grade PVC Jacket 0° to +80C	963-118
	02	858-028-02F	858-029-02F	Aerospace-grade Fluoropolymer Jacket -65° to +200C	963-110
ARINC 600	03	858-038-01	858-035-01	Commercial-grade PVC Jacket 0° to +80C	963-118
	04	858-038-02	858-035-02	Aerospace-grade Fluoropolymer Jacket -65° to +200C	963-110
Series 792 Series 806 Series 816	05	858-047-01F	858-048-01F	Commercial-grade PVC Jacket 0° to +80C	963-118
	06	858-047-02F	858-048-02F	Aerospace-grade Fluoropolymer Jacket -65° to +200C	963-110

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Dimensions in Inches (millimeters) are subject to change without notice.

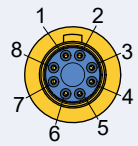
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El Ochito® Blue to SuperSpeed USB Cable Assemblies 8572-0003

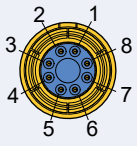


El Ochito® Blue for SuperSpeed USB, pin contact mating face

Contact Positions



Mating face of Pin



Mating face of Socket

Technical Data

- **Operating temp.**: 0° to +80°C
- **Impedance**: 90 ohms
- **DWV:** 100 Vrms
- **Current Rating**: 1.5 A
- **IR**: 100 megohms min.
- **Durability**: 500 mating cycles

Construction

- Refer to individual contact data sheets for additional details
- 100% tested for shorts, continuity and IR
- **Cable:** commercial-grade, PVC jacket, non-DFAR compliant

USB 3.0 Connectors. Commercial grade. 100% tested. Save assembly time and cost with pre-wired El Ochito® Blue SuperSpeed USB assemblies. These assemblies have El Ochito® Blue contacts wired to USB 3.0 Connectors. Supplied with grommet follower boot. Compatible with Glenair Series 23, Series 28, Series 792, Series 816, Series 806, and ARINC 600 connectors. ***El Ochito® contacts must be installed in keyed connectors before mating to prevent misalignment and contact damage.***

El Ochito® Blue to USB 3.0 Cable Assemblies

Sample Part Number→	8572-0003	-01	-36
Product	8572-0003 = Pre-wired El Ochito® contacts with USB 3.0 connectors		
Order Code	See Table 1		
Length	Length in Inches (12 inch minimum)		

Table 1 Order Code

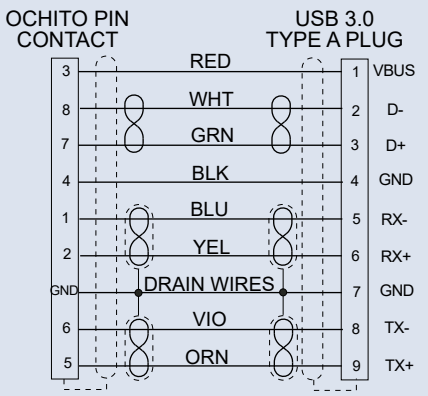
Connector Type	Order Code	Contact Part No.	Pin/Skt	USB 3.0 Connector
Series 23 Series 28	01	858-028-01F	Pin	A Plug
	02	858-029-01F	Socket	A Recep
	03	858-029-01F	Socket	B Plug
	04	858-029-01F	Socket	Micro-B Plug
ARINC 600	05	858-038-01	Pin	A Plug
	06	858-035-01	Socket	A Recep
	07	858-035-01	Socket	B Plug
	08	858-035-01	Socket	Micro-B Plug
Series 792 Series 806 Series 816	09	858-047-01F	Pin	A Plug
	10	858-048-01F	Socket	A Recep
	11	858-048-01F	Socket	B Plug
	12	858-048-01F	Socket	Micro-B Plug

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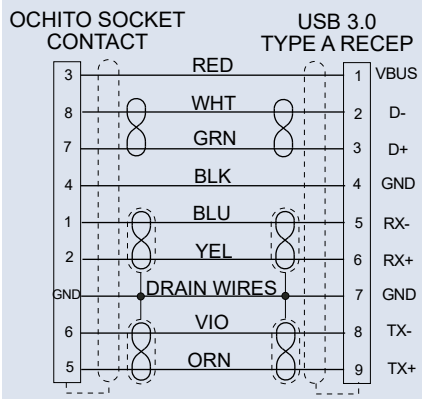
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El Ochito® Blue to SuperSpeed USB Cable Assemblies 8572-0003

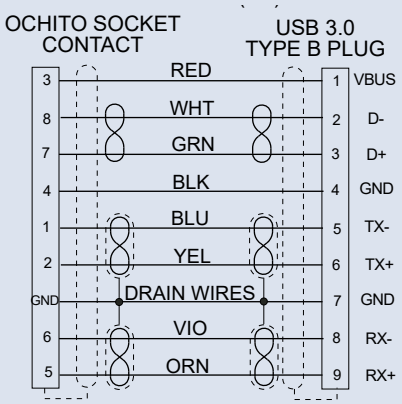
Wiring Diagram
8572-0003-01/05/09
El Ochito® Pin to USB 3.0 A Plug



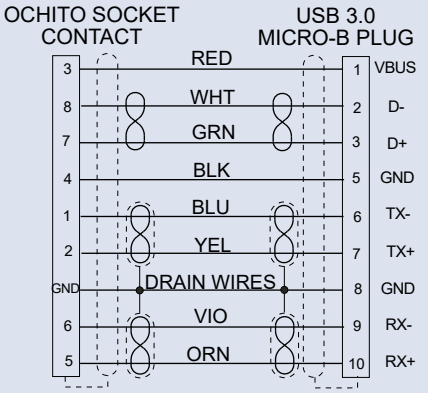
Wiring Diagram
8572-0003-02/06/10
El Ochito® Socket to USB 3.0 A Receptacle

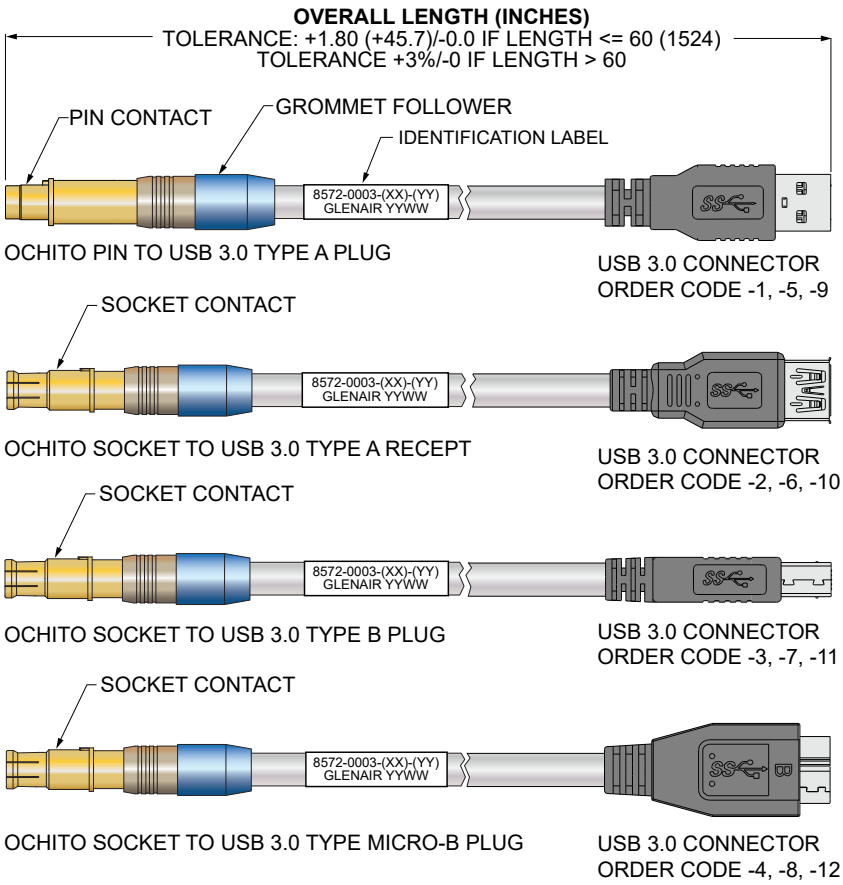


Wiring Diagram
8572-0003-03/07/11
El Ochito® Socket to USB 3.0 B Plug



Wiring Diagram
8572-0003-04/08/12
El Ochito® Socket to USB 3.0 Micro-B Plug





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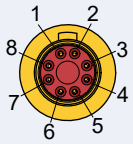
El Ochito® Red Single-Ended Cable Assembly 8573-0001



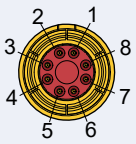
El Ochito® Red for Multi-Gigabit 100 Ohm Datalinks, pin contact mating face

Save assembly time and cost with pre-wired, 100% tested El Ochito® Red assemblies for datalinks up to 1Gbps per pair. These single-ended cables have El Ochito® Red contacts terminated to high performance flight-grade 100 ohm shielded twisted pair cable. Supplied with cable grommet follower. Compatible with Glenair Series 23, Series 28, Series 792, Series 816, Series 806 and ARINC 600 connectors. Designed to meet the requirements of MIL-DTL-38999 and SAE AS39029. ***El Ochito® contacts must be installed in keyed connectors before mating to prevent misalignment and contact damage.***

Contact Positions



Mating face of Pin



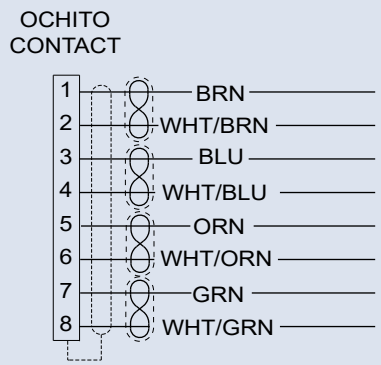
Mating face of Socket

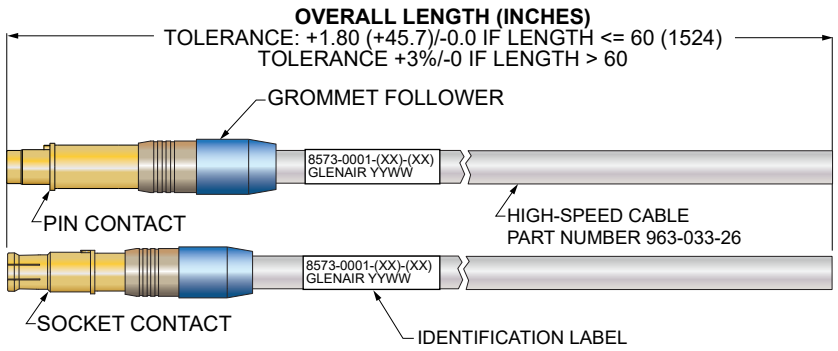
Technical Data

- Refer to individual contact data sheets for construction details
- 100% tested for shorts, continuity and IR

- **Operating temp.**: -65° to +175°C
- **Impedance**: 100 ohms
- **DWV:** 300 Vrms
- **Current Rating**: 1.5 A
- **IR**: 10 megohms min.
- **Durability**: 500 mating cycles

Wiring Diagram





El Ochito® Red Single-Ended Cable Assemblies

Sample Part Number→	8573-0001	-01	-36
Product	8573-0001 = Pre-wired El Ochito® contact, single-ended		
El Ochito® Contact P/N	See Table I		
Length	Length in Inches (12 inch minimum)		

Table 1 Order Code

Connector Type	Order Code	Contact Part No.	Pin/Skt	Bandwidth Per Pair	Cable
Series 23 Series 28	01	858-030-02F	Pin	up to 1 Gbps	963-033-26 26 AWG
	02	858-031-02F	Socket	up to 1 Gbps	963-033-26 26 AWG
ARINC 600	03	858-039-01	Pin	up to 1 Gbps	963-033-26 26 AWG
	04	858-037-01	Socket	up to 1 Gbps	963-033-26 26 AWG
Series 792 Series 806 Series 816	05	858-049-01F	Pin	up to 1 Gbps	963-033-26 26 AWG
	06	858-050-01F	Socket	up to 1 Gbps	963-033-26 26 AWG

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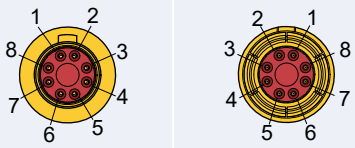
El Ochito® Red Pin-Socket Cable Assembly 8573-0002



El Ochito® Red for Multi-Gigabit 100 Ohm Datalinks, pin contact mating face

Save assembly time and cost with pre-wired, 100% tested El Ochito® Red assemblies for datalinks up to 1Gbps per pair. These pin-to-socket cables have El Ochito® Red contacts terminated to high performance flight-grade 100 ohm shielded twisted pair cable. Supplied with cable grommet follower. Compatible with Glenair Series 23, Series 28, Series 792, Series 816, Series 806 and ARINC 600 connectors. Designed to meet the requirements of MIL-DTL-38999 and SAE AS39029. ***El Ochito® contacts must be installed in keyed connectors before mating to prevent misalignment and contact damage.***

Contact Positions



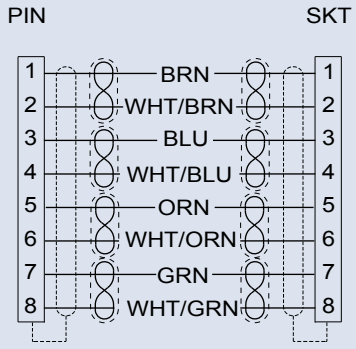
Mating face of Pin | Mating face of Socket

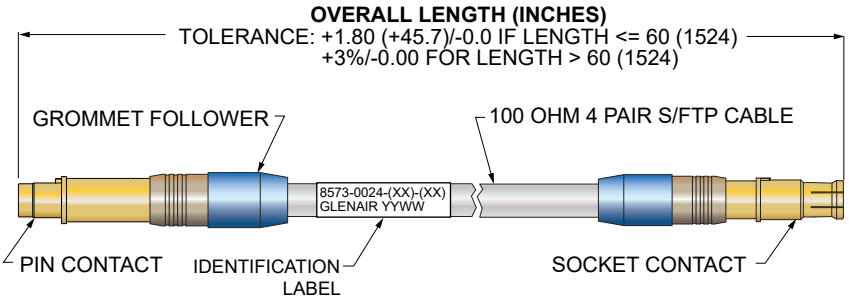
Technical Data

- Refer to individual contact data sheets for construction details
- 100% tested for shorts, continuity and IR

- **Operating temp.**: -65° to +175°C
- **Impedance**: 100 ohms
- **DWV:** 300 Vrms
- **Current Rating**: 1.5 A
- **IR**: 10 megohms min.
- **Durability**: 500 mating cycles

Wiring Diagram





Pre-Wired El Ochito® Red Pin-Socket Cable Assemblies

Sample Part Number→	8573-0002	-01	-48
Product	8573-0002 = Pre-wired El Ochito® Red Pin-to-Socket Assemblies.		
El Ochito® Contact P/N	See Table 1		
Length	Length in Inches (12 inch minimum)		

Table 1 Order Code

Connector Type	Order Code	Pin Contact Part No.	Skt Contact Part No.	Bandwidth Per Pair	Cable
Series 23 Series 28	01	858-030-02F	858-031-02F	up to 1 Gbps	963-033-26 26 AWG
ARINC 600	02	858-039-01	858-037-01	up to 1 Gbps	963-033-26 26 AWG
Series 792 Series 806 Series 816	03	858-049-01F	858-050-01F	up to 1 Gbps	963-033-26 26 AWG

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El Ochito® Jumper Cable Mating Adapters



Pin Contact



Socket Contact

Safely test and mate El Ochito contacts prior to installing them into a connector. Ideal for testing dielectric withstanding voltage (DWV), insulation resistance (IR), and conducting continuity and performance checks during assembly of jumpers. Adapters are made of a rigid dielectric and composed of three individual components designed to safely protect against damage and misalignment.

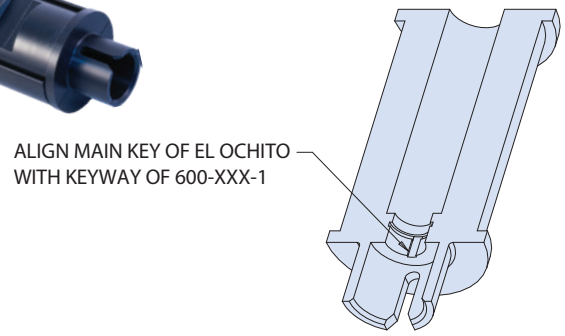
Note: these adapters are for testing Size 8 contacts only. Testing of other contact sizes (22, 20, 16, or 12) requires a mating connector.

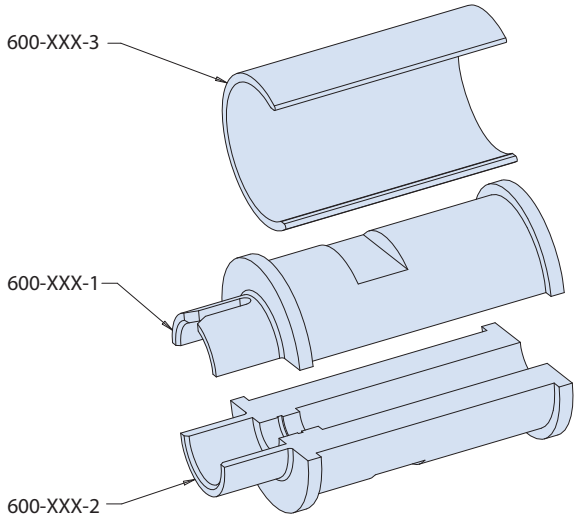
El Ochito Jumper Mating Adapters

Connector Series	Pin Tool	Socket Tool
SuperNine (Series 23), HiPer-D (Series 28)	600-263	600-264
Series 806, 816, 792	600-267	600-264
ARINC 600, EPXB, EN3545	600-265	600-266

El Ochito Socket Adapter

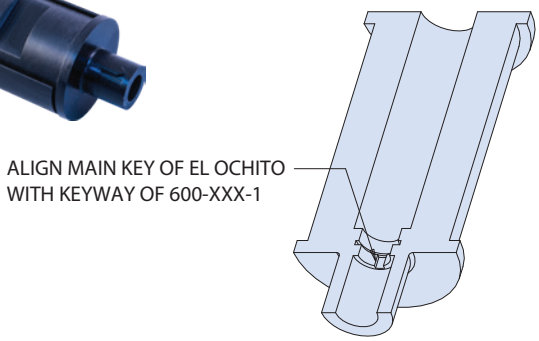


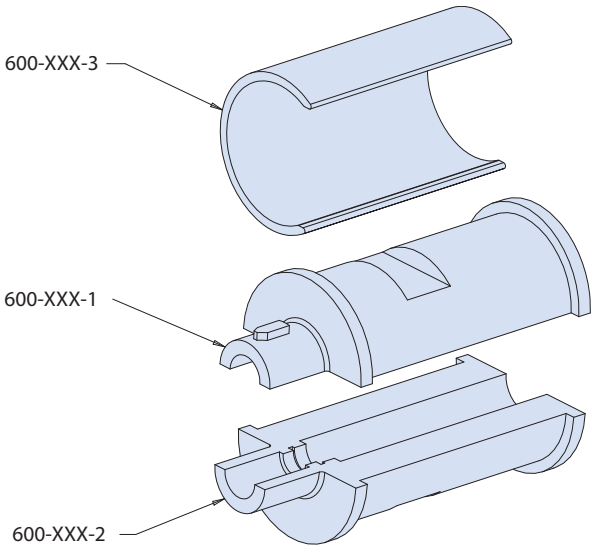




El Ochito Pin Adapter



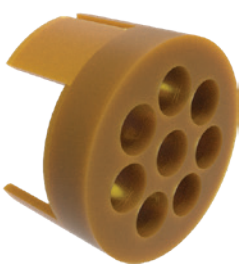




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El Ochito® Test Adapters for SuperNine® Connectors



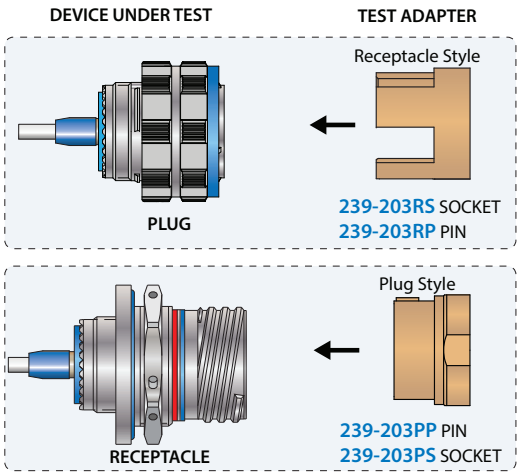
Receptacle Contact Adapter



Plug Contact Adapter

Test your system or cable while preventing damage to expensive cables with El Ochito® test adapters. These test adapters properly align test contacts without the added expense and time-consuming labor of mating connectors. Insert adapter cable into adapter then push test adapter into Device Under Test (DUT).

Note: these adapters are for testing Size 8 contacts only. Testing of other contact sizes (22, 20, 16, or 12) requires a mating connector.



Test Adapters for SuperNine® Connectors

Sample Part Number→	239-203	-P	S	19-18
Product	239-203 = Test adapter for SuperNine with El Ochito Contacts			
Fixture Shell Style	P = Plug R = Receptacle			
Contact Gender	P = Pin S = Socket			
Insert Arrangement	9G5[1], 11-1[1], 13-14[1], 17-2[1], 17-22, 17-60, 17-75, 19-4, 19-17, 19-18, 21-75, 23-5, 23-6, 25-7, 25-8, 25-17, 25-20, 25-26, 25-41, 25-46			

Connector Compatibility

- Glenair SuperNine connectors such as 233-217, -218, -224, -225 SuperNine® connectors with size 8 data contacts

Construction

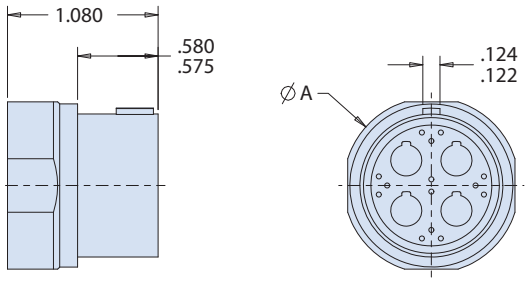
- Copper alloy retention clip, rigid dielectric and universally keyed

Notes

1. 9G5, 11-1, 13-14, and 17-2 do not have the contact retention clip installed
2. Retention clips are only placed in size 8 cavity of arrangements with multiple size 8 cavities
3. Fixtures use SuperNine El Ochito contacts. Consult El Ochito® ordering information beginning on page 6

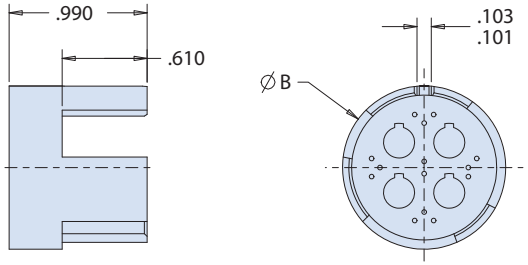
239-203 Plug Adapter

Shell Size	ØA
09 (A)	.650 (16.51)
11 (B)	.780 (19.81)
13 (C)	.900 (22.86)
17 (E)	1.203 (30.56)
19 (F)	1.265 (32.13)
21 (G)	1.390 (35.31)
23 (H)	1.520 (38.61)
25 (J)	1.635 (41.53)



239-203 Receptacle Adapter

Shell Size	ØB
09 (A)	.546 (13.87)
11 (B)	.674 (17.12)
13 (C)	.786 (19.96)
17 (E)	1.036 (26.31)
19 (F)	1.141 (28.98)
21 (G)	1.266 (32.16)
23 (H)	1.391 (35.33)
25 (J)	1.516 (38.51)



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El Ochito® Test Adapters for Series 806 Mil-Aero Connectors



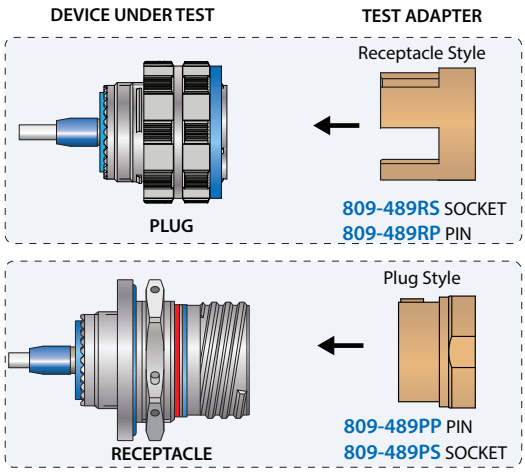
Receptacle Contact Adapter



Plug Contact Adapter

Test your system or cable while preventing damage to expensive cables with El Ochito® test adapters. These test adapters properly align test contacts without the added expense and time-consuming labor of mating connectors. Insert adapter cable into adapter then push test adapter into Device Under Test (DUT).

Note: these adapters are for testing Size 8 contacts only. Testing of other contact sizes (22, 20, 16, or 12) requires a mating connector.



Test Adapters for Series 806 Mil-Aero Connectors

Sample Part Number→	809-489	-P	S	16-22
Product	**809-489** = Test adapter for Series 806 with El Ochito Contacts			
Fixture Shell Style	**P** = Plug **R** = Receptacle			
Contact Gender	**P** = Pin **S** = Socket			
Insert Arrangement	**10-1**[1], **14-20A**[1], **16-2**, **16-22**, **18-3**, **18-21**, **20-4**, **20-28**, **22-5**, **24-8**, **22-44**, **24-97**			

Construction

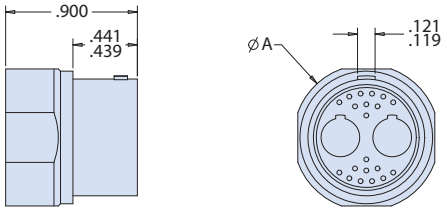
- Rigid dielectric and universally keyed

Notes

1. 10-1, and 14-20A do not have any retention clips installed
2. Retention clips are only placed in size 8 cavity of arrangements with multiple size 8 cavities
3. Fixtures use Series 806 El Ochito contacts. Consult El Ochito® ordering information beginning on page 6

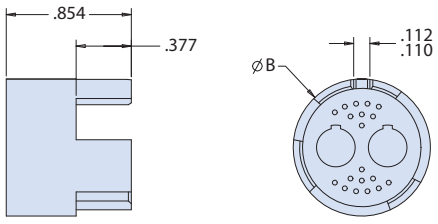
809-489-P Plug Adapter

Shell Size	ØA
10	.658 (16.71)
14	.863 (21.92)
16	.996 (25.30)
18	1.111 (28.22)
20	1.239 (31.47)
22	1.326 (33.68)
24	1.457 (37.01)



809-489-R Receptacle Adapter

Shell Size	ØB
10	.546 (13.87)
14	.689 (17.50)
16	.937 (23.80)
18	1.062 (26.97)
20	1.187 (30.15)
22	1.305 (33.15)
24	1.437 (36.50)



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El Ochito® Test Adapters for HiPer-D Connectors



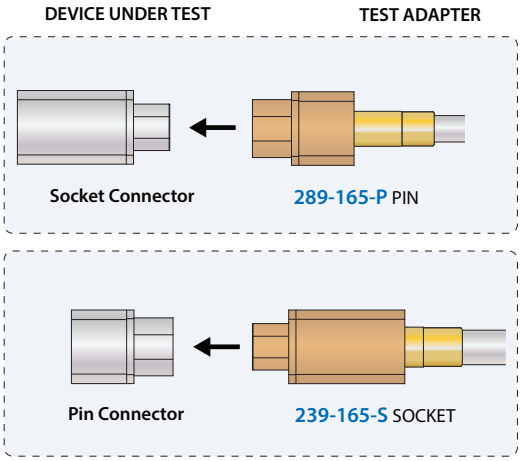
Pin Contact Adapter



Socket Contact Adapter

Test your system or cable while preventing damage to expensive cables with El Ochito® test adapters. These test adapters properly align test contacts without the added expense and time-consuming labor of mating connectors. Insert adapter cable into adapter then push test adapter into Device Under Test (DUT).

Note: these adapters are for testing Size 8 contacts only. Testing of other contact sizes (22, 20, 16, or 12) requires a mating connector.



Test Adapters for Series 28 HiPer-D Connectors

Sample Part Number→	289-165	S	3E3
Product	289-165 = Test adapter for HiPer-D Connectors with El Ochito Contacts		
Contact Gender	P = Pin S = Socket		
Insert Arrangement	1E1[1], 2E2, 3E3, 3E4, 4E5		

Construction

- Body: rigid dielectric
- Retention clip: copper alloy[2]

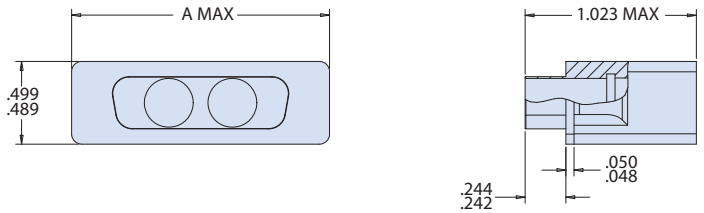
Notes

1. 1E1 do not have any retention clips installed.
2. Retention clips are only placed in size 8 cavity of arrangements with multiple size 8 cavities
3. Fixtures use SuperNine El Ochito contacts. Consult El Ochito® ordering information beginning on page 6

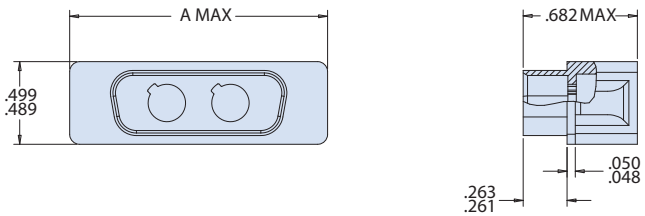
Plug and Receptacle Adapter Dimensions

Shell Size	A
1	1.228 (31.19)
2	1.556 (39.52)
3	2.103 (53.42)
4	2.744 (69.70)

289-165-S Socket Contact Adapter



289-165-P Pin Contact Adapter



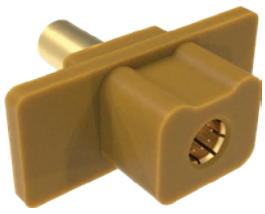
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El Ochito® Test Adapters for Series 792 Connectors



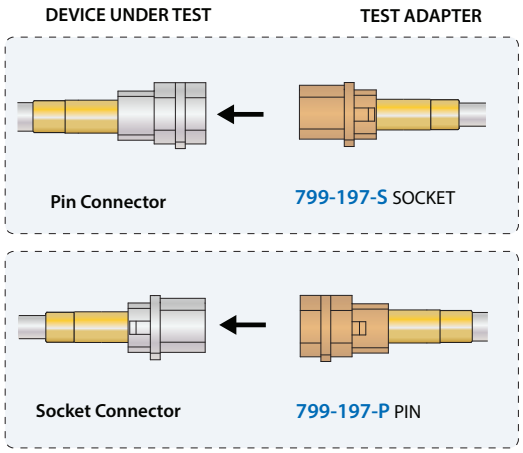
Pin Contact Adapter



Socket Contact Adapter

Test your system or cable while preventing damage to expensive cables with El Ochito® test adapters. These test adapters properly align test contacts without the added expense and time-consuming labor of mating connectors. Insert adapter cable into adapter then push test adapter into Device Under Test (DUT).

Note: these adapters are for testing Size 8 contacts only. Testing of other contact sizes (22, 20, 16, or 12) requires a mating connector.



Test Adapters for Series 28 HiPer-D Connectors

Sample Part Number→	799-197	-P	B-2W2
Product	799-197 = Test adapter for Series 792 Connectors with El Ochito Contacts		
Contact Gender	P = Pin S = Socket		
Insert Arrangement	B-23W1[1], C-24W2, D-27W3, E-45W3 A-3W1[1], B-6W2, C-9W3, D-12W4, E-15W5, F-31W9 A-1W1[1]; B-2W2; C-3W3; D-4W4; E-5W5; F-9W9		

Plug and Receptacle Adapter Dims.

Shell Size	A Max	B Max
A	1.455 (36.96)	.635 (16.13)
B	1.830 (46.48)	.635 (16.13)
C	2.205 (56.01)	.635 (16.13)
D	2.580 (65.53)	.635 (16.13)
E	2.955 (75.06)	.635 (16.13)
F	2.955 (75.06)	.990 (25.15)

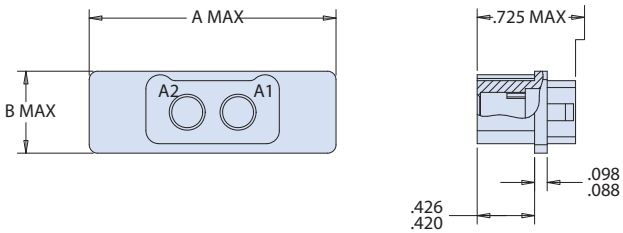
Construction

- **Material:**
  Body: rigid dielectric
  Retention clip: copper alloy

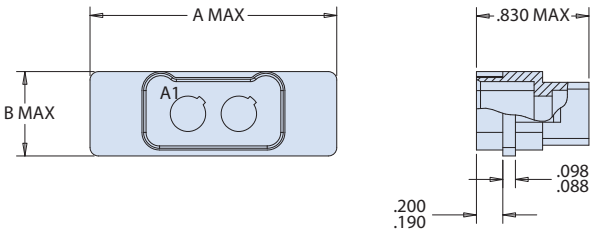
Notes

1. Retention clips are only placed in size 8 cavity of arrangements with multiple size 8 cavities.
2. A-1W1, A-3W1, and B-23W1 do not have any clips installed.
3. Fixtures use Series 792 El Ochito contacts. Consult El Ochito® ordering information beginning on page 6

799-197-S Socket Contact Adapter



799-197-P Pin Contact Adapter



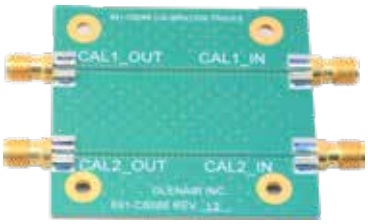
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Dimensions in Inches (millimeters) are subject to change without notice.

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Signal Integrity Evaluation Fixture CB01-0121 for SuperNine El Ochito Contacts





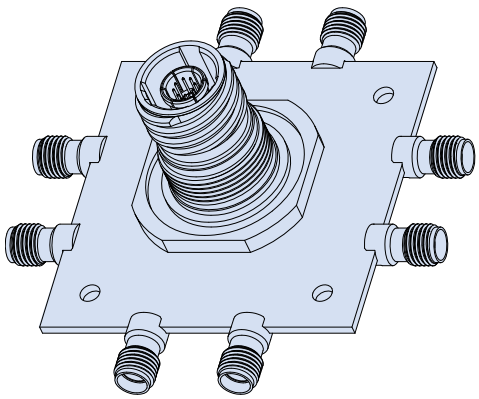


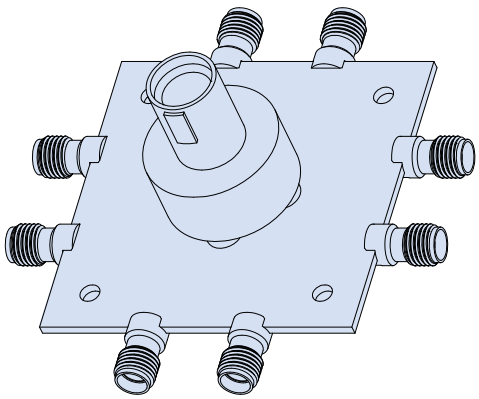
Glenair evaluation fixture allows you test your cabled El Ochito contact for proper signal integrity of each individual contact within the El Ochito octaxial contact. Fixtures mate with SuperNine El Ochito contacts and must be used with supplied mating adapter. For other connector series evaluation fixtures consult factory.

Test Adapters for Series 23 SuperNine Connectors		
Sample Part Number→	CB01-0121	-R
Product	CB01-0121 = Signal integrity evaluation fixture for El Ochito contacts	
Ochito Type	W = El Ochito White B = El Ochito Blue R = El Ochito Red	

Notes

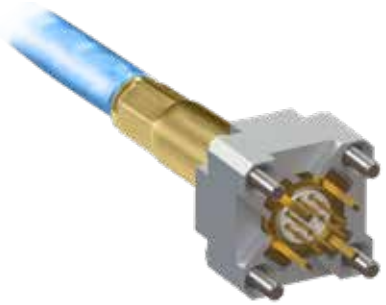
1. PCB differential impedance: 100 ohms
2. These fixtures are only intended for lab environment use.
3. Compatible with SuperNine El Ochito contacts:
   Blue: 858-028/029/069/070
   Red: 858-030/031/063/064
   White: 858-003/004, 858-005/006, 858-016/017
4. These fixtures are supplied with mating adapters. Mating adapters are required to prevent damage.
5. Each fixture is supplied with a calibration trace for fixture PCB removal. Calibration traces are 2X the length of each board's trace. Fixtures may also be mated together for complete removal.





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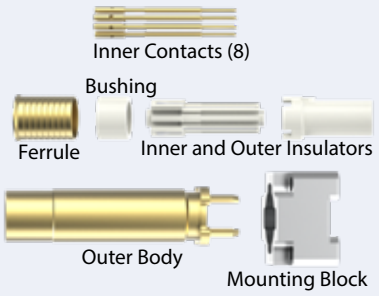
El Ochito® PCB Transition Adapters 858-025



Launch controlled-impedance signals with El Ochito® transition adapters. Supplied as unassembled kit with (8) inner contacts, inner and outer insulators, bushing, outer body, crimp ferrule and mounting block. Terminate inner contacts and cable shield with crimp tools sold separately. Attach mounting block to circuit board with #0-80 screws and 059-0007-1 threaded inserts, sold separately.

858-025 Components

Supplied as Unassembled Kit



Technical Data

Specifications

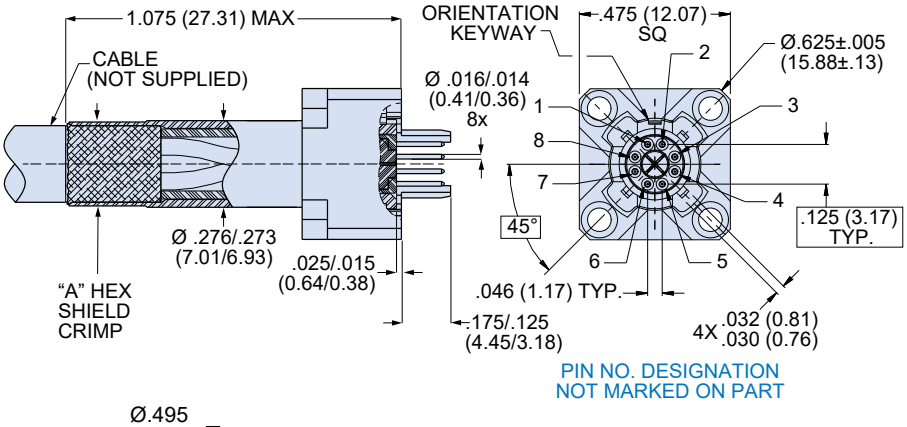
- **Operating temperature:**
  El Ochito®: -65 to +175°C
  Impedance:
  El Ochito® Red and White: 100 ohms
  El Ochito® Blue: 90 ohms
  Dielectric withstanding voltage:
  500 Vrms
- **Current Rating:** 1.5 A
- **Insulation resistance:** 5000 megohms min. @ 200 Vdc

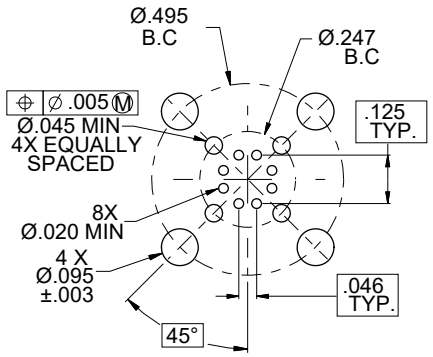
Construction

- **Inner contacts, outer body, ferrule:** copper alloy, 50 microinches gold over nickel plating
- **Insulators, bushing:** thermoplastic
- **Mounting block:** aluminum, electroless nickel plating

858-025 El Ochito® PCB Transition Adapters

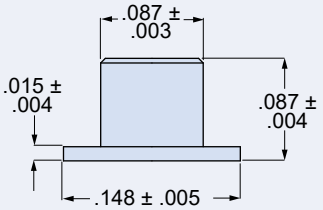
Dash No.	Color	Cables Accommodated	Protocols/Impedance	Ref Cable O.D.	"A" Hex	Assembly Instructions
-01	White	963-033-26	Cat 6A/10GbE (100 OHM)	.220 (5.59)	.231	AI85145-01
-02	Blue	963-110	USB 3.0 (90 OHM)	.237 (6.02)	.255	AI85146
-03	Red	963-122-X	up to 10Gbps per pair (100 OHM)	See Dwg	.231	AI85147
-04	White	963-132-26	Cat 8/40GbE (100 OHM)	.220 (5.59)	231	AI85145-02





RECOMMENDED PC BOARD LAYOUT

See Glenair application Note AN0002 for optimal performance



059-0007-1
RECOMMENDED THREADED PCB INSERT
#0-80 UNF-2B THREAD
TIN-PLATED BRASS
HAND SOLDER TO .095 ± .003 PTH

Inner Contact Crimp Tools



809-015
(M22520/2-01)



859-101
(K1906)

Shield-Ferrule Crimp Tools



809-129
(M22520/5-01)



858-186 for -02
859-007 for -01 & -03
(M22520/5-45)

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Series 233 SuperNine®



- MIL-DTL-38999 Series III
- Triple-start ACME mating threads
- High vibration, high temperature
- 20 contact arrangements
- Contact alignment keyway
- Compatible with M85049 accessories
- For use with MIL-DTL-38999 type size 8 El Ochito® contacts

For More Information

Plug/Receptacle Crimp Contact..... 233-217
Plug/Receptacle Crimp Contact..... 233-224(1)
Receptacles, Wall Mount PC Tail .... 233-218(1)
Receptacle, Wall Mount
Dual Flange PC Tail..... 233-225

(1) SuperNine Catalog

Glenair recommends the use of saddle bar backshells such as 620HS090 and 443-042 for proper strain relief

Series 882 SuperFly® DataLink



- Ultra-small, lightweight
- Push-pull or threaded coupling
- High shock and vibration
- Robust EMI shielding
- IP67 immersion rating

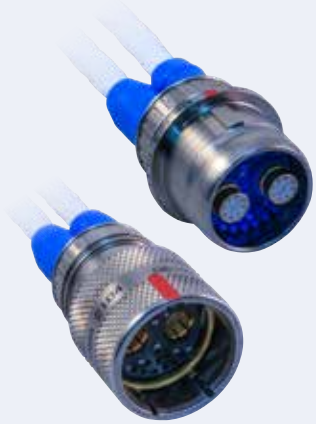
For More Information

Push-Pull Plug..... 882-001(1)
Push-Pull Receptacle..... 882-002(1)
Push-Pull Receptacle, PC Tail..... 882-005(1)
Plug, Threaded Coupling..... 882-003(1)
Receptacle, Threaded Coupling..... 882-006(1)
Recep, Threaded, PC Tail ..... 882-004(1)

(1) Contact Glenair for data sheet

For details see our Series 882 SuperFly catalog.

Series 816 Mil-Aero



- Next-generation high performance ultraminiature aerospace connector
- Push-pull quick disconnect
- Higher density 20HD and 22HD contact arrangements
- High strength aluminum alloy plug barrel
- Snap in, rear release crimp contacts

For More Information

Plug, Inline 816-001
Receptacle, Inline. 816-002
Receptacle, Front Panel Mount 816-003
Receptacle, Rear Panel Mount..... 816-004
Plug, Rear Panel Mount, PC Tails..... 816-005
Receptacle, Jam-Nut Mount,
with PC Tails..... 816-006
Plug, Lanyard Release 816-007
Receptacle, Lanyard Release 816-008

Glenair recommends the use of special Series 806 saddle bar backshells such as 620VS090 and 443-042 for proper strain relief. See Series 806 catalog.

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Series 806 Mil-Aero



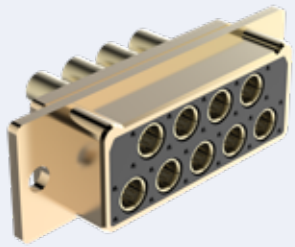
- Next-generation high performance ultraminiature aerospace connector
- Reduced pitch triple-start modified anti-decoupling stub ACME thread
- Higher density 20HD and 22HD contact arrangements
- High strength aluminum alloy plug barrel
- Snap in, rear release crimp contacts
- Up to 8 El Ochito contacts

For More Information

Plug, Free-Hanging	806-012
Receptacle, Wall Mount	806-013
Receptacle, Free-Hanging	806-019
Receptacle, Jam-Nut Mount	806-020
Receptacle, Wall Mount	806-022
Receptacle, Jam-Nut Mount, with PC Tails	806-039
Receptacle, Wall Mount with PC Tails	806-040

Glenair recommends the use of saddle bar backshells such as 620VS090 and 443-042 proper strain relief. See Series 806 catalog.

Series 792 Ultraminiature Rectangular



- Next-generation rear release rectangular
- 1 – 9 El Ochito® contacts
- Dual lobe shell polarization
- Scoop-proof interface
- Straight and right angle PC tail
- Environmentally sealed
- EMI protected
- Guide Pins for blind mate

For More Information

Plugs, Free-Hanging	792-001(1)
Receptacles, Free-Hanging	792-002(1)
Plugs, Panel Mount	792-003(1)
Receptacles, Panel Mount	792-004(1)
Plugs, Straight PC Tails	792-005(1)
Receptacles, Straight PC Tails	792-006(1)
Plug, Straight PC Tails, Panel Mt.	792-007(1)
Recep, Straight PC Tails, Panel Mt.	792-008(1)
Plugs, 90° PC Tails	792-009(1)
Receptacles, 90° PC Tails	792-010(1)
Plugs, 90° PC Tails, Panel Mt.	792-011(1)
Recep, 90° PC Tails, Panel Mt	792-012(1)

(1) Contact Glenair for data sheet.

Series 28 HiPer-D®



- Standard M24308 interface dimensions
- Rugged machined 6061 aluminum shell
- Grounded metal insert
- 1 – 5 El Ochito® contacts
- Straight PC tail
- EMI protected

For More Information

Plugs, Free-Hanging	280-082(1)
Receptacles, Free-Hanging	280-083(1)
Plugs, Straight PC Tails	280-090(2)
Receptacles, Straight PC Tails	280-091(2)

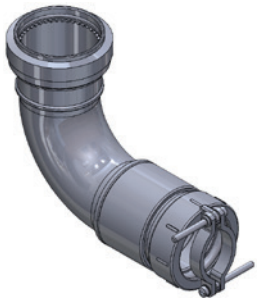
(1) Series 28 HiPer-D Catalog
(2) Contact Glenair for data sheet

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El Ochito® Circular Backshell Selection Guide

Backshells listed here are specially designed for MIL-DTL-38999 Series III and IV, Series 806 and 816 Mil-Aero. The mating interface is designed to provide extra clearance for size 8 coax/twinax/quadrax/ octaxial contacts with sealing boots and accommodate the appropriate bend radius for the cables they are used with to prevent contact splay and damage.



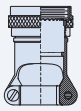
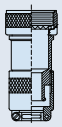
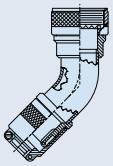
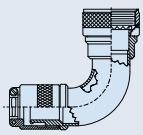
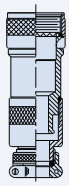
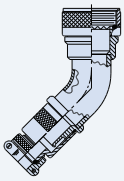
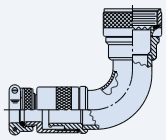
Adapter Code V

This accessory fits Glenair Series 806 and 816 Mil-Aero Connectors

Adapter Code H

This accessory fits these connectors: MIL-DTL-38999 Series III and Series IV

High Speed Contact Backshell Options

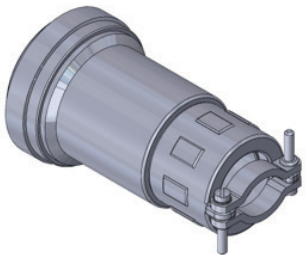
Series	EMI	Environmental	Strain Relief	Straight	45°	90°	Description
620XS090	No	No	Saddle Bar		N/A	N/A	**Extended Strain Relief** (to be used at a minimum)
4470XY1130	Banding Porch	No	Saddle Bar				**EMI/RFI Banding Strain Relief** Advised for overbraid w/ or w/o individual shield terminations requiring medium duty strain relief
443XY042	Banding Porch	O-Ring Gland (Splash Proof)	Saddle Bar				**EMI/RFI Banding Strain Relief Environmental** Advised for environmental overbraid w/ or w/o individual shield terminations requiring medium duty strain relief

X - Connector Series
H - SuperNine
V - 806

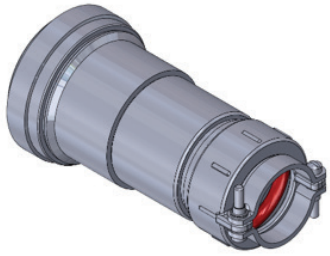
Y - Orientation
S - Straight
M - 45 Degrees
N - 90 Degrees



620HS090 Extended frame saddle clamp has enlarged inside diameter and longer frame to prevent contact splay and damage. Full radius saddle bars have self-locking SST clinch nuts. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration.



4470HS1130 "Band-in-a-Can" backshell provides EMI/RFI protection by providing shield termination using BandMaster ATS. 45° and 90° profiles have long radius elbows for minimized bending of data cables. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration.



443HS042 Environmental, "Band-in-a-Can" backshell provides EMI/RFI protection by providing shield termination using BandMaster ATS. 45° and 90° profiles have long radius elbows for minimized bending of data cables. Rear adapter includes splash proof cable gland sealing for jacketed cables. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration.

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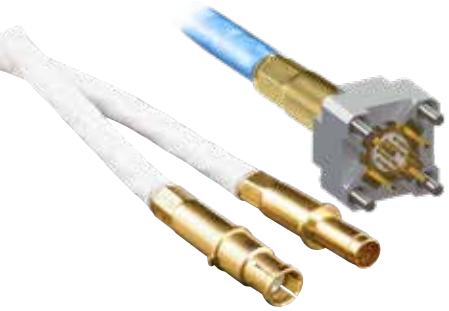
Glenair
SIGNATURE SERIES

Rugged High-Speed Interconnect Solutions

Electrical, Optical, and Hybrid Solutions for
Mission-Critical Aerospace and Defense Applications

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ISO 9001 Certified
AS9100 Certified
Worldwide Quality System

EL OCHITO® HIGH-SPEED OCTAXIAL CONTACTS AND CONNECTOR PACKAGING



El Ochito® high-speed
octaxial contacts



SuperFly nano miniature
with El Ochito®



Series 792 micro miniature
with El Ochito®



Series 806 Mil-Aero
micro miniature with El Ochito®

EL OCHITO® PACKAGING (continued)



Series 23 SuperNine®
with El Ochito®

SIGNATURE HIGH-SPEED CONNECTOR SOLUTIONS



Series 23 SuperNine® with
SpeedMaster™ 10G high-speed contacts



Octobyte™ industrial-strength
Ethernet connectors

SIGNATURE HIGH-SPEED CONNECTOR SOLUTIONS (continued)



SuperSeal™ RJ45 Ethernet and USB
ruggedized field connectors



Micro-D form-factor connector with VersaLink™
differential Twinax *plus* VersaLink™ Bridge



High-Speed Micro-D
high-density SWaP solution

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GLENAIR SIGNATURE BUTT-JOINT FIBER OPTIC INTERCONNECT SOLUTIONS



Rugged MIL-DTL-38999 type fiber optic



Glenair High Density (GHD) rugged fiber optic



Glenair Front Release (GFR) rugged fiber optic

SIGNATURE FIBER OPTIC SOLUTIONS (continued)



Rugged MT Ferrule solutions for 38999 and Series 791

RUGGED HIGH-SPEED ELECTRICAL-OPTICAL MEDIA CONVERTERS



Copper-to-fiber media converters for video applications



Copper-to-fiber media converters for Ethernet applications

RUGGED PCB-MOUNT TRANSCEIVERS FOR ETHERNET, HIGH-SPEED VIDEO, AND STORAGE



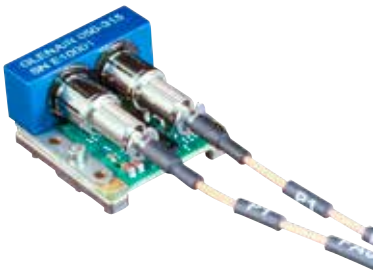
EMI shielded and radiation-tolerant transceivers



Dual transceivers, quad transmitters, quad receivers

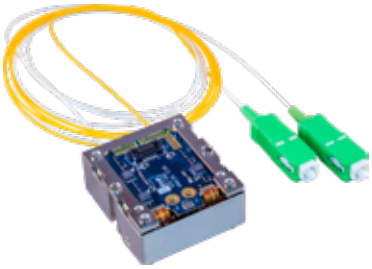


Bi-directional transceivers



Small form-factor, high-vibration high-temperature tolerant

RF-OVER FIBER AND HIGH-DATA-RATE PARALLEL OPTICAL TRANSCEIVERS

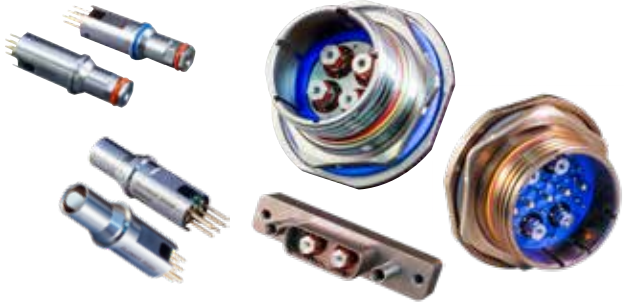


RF-over-fiber low-noise PCB-mount transceiver



Parallel optical 40 Gb/s PCB-mount transceivers

SIZE #8 PHOTONIC TRANSMITTER AND RECEIVER CONTACTS FOR HIGH-SPEED DATA



Opto-electronic receptacle connectors populated with Size #8 Photonic transmitter and receiver contacts

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MISSION-CRITICAL

INTERCONNECT SOLUTIONS

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