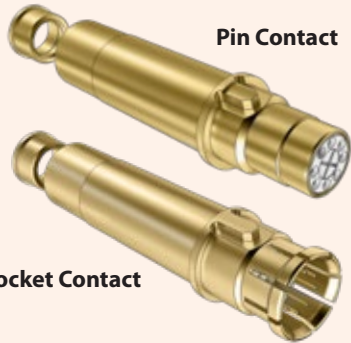


SERIES 792

High-Speed Ultraminiature Rectangular Connectors



Size 8 El Ochito® Octaxial Contacts



Socket Contact

Pin Contact




El Ochito®

The Octaxial Contact for 10Gb Ethernet, SuperSpeed USB and Multi-Gigabit Data Rates

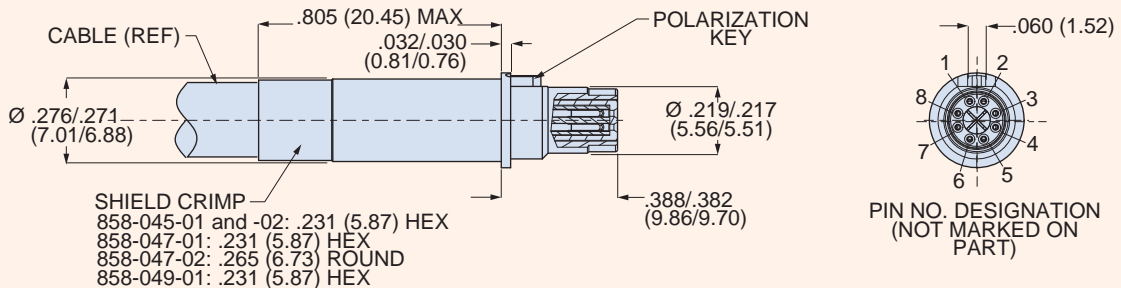
- ❑ Crimp termination
- ❑ Snap-in, rear release
- ❑ Aerospace-grade performance

El Ochito® contacts are intended for harsh environment military and aerospace data networks. These contacts have eight signal pins housed in a machined, gold plated outer contact. Crimp termination. Three versions- 10G Ethernet (“White”), SuperSpeed USB (“Blue”) and 100 ohm multi-gigabit (“Red”). El Ochito® contacts snap into Series 792 connectors. Supplied as unassembled kit with outer body, (8) inner contacts, shield crimp ferrule, insulators, and instruction sheet.

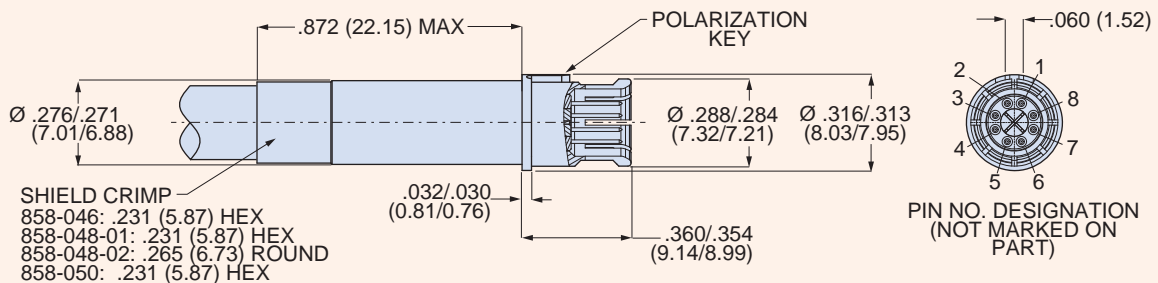
Size #8 El Ochito® Contacts for Series 792 Connectors

Protocol	Cable Type	Cable Part Number	Cable Dia.	Pin Contact	Socket Contact
10G Ethernet 	Cat 6A S/UTP 26 AWG	963-003-26 (Glenair) E6A3826 (PIC)	.220 (5.56)	858-045-01F [Type I]	858-046-01F [Type I]
	Cat 6A S/FTP 26 AWG	963-033-26 (Glenair) AS6070/6-26 (SAE) RCN9047-26 (Gore)	.220 (5.56)	858-045-02F [Type I]	858-046-02F [Type I]
	Cat 6A S/UTP 24 AWG	963-037-24 (Glenair) E6A3824 (PIC)	.260 (6.56)	858-043-03 [Type II]	858-042-03 [Type II]
USB 3.0 	Commercial-Grade 26AWG	963-118 (Glenair)	.217 (5.51)	858-047-01F	858-048-01F
	Aerospace-Grade 26AWG	963-110 (Glenair)	.236 (5.99)	858-047-02F	858-048-02F
HDMI, DisplayPort, SATA 	S/FTP 26 AWG	>1Gb/s 963-122 (Glenair)	.299 (7.59)	858-049-01F	858-050-01F
		1Gb/s RCN9047-26 (Gore)	.220 (5.56)		
		HDMI / DisplayPort 963-120-X 963-127-X	.429 (10.9) .330 (8.38)		
		SATA 963-043-26 [2 pcs.]	.116 ±.006 (2.95±.15)		

El Ochito® Pin Contact 858-045, 858-047, and 858-049



El Ochito® Socket Contact 858-046, 858-048 and 858-050



Size 8 El Ochito® Contacts, Type I and Type II

El Ochito® White



1000BASE-T, 10GBASE-T

El Ochito® White octaxial contacts provide 10GbE in a single size #8 contact cavity (compared to two Quadrax) for 100BASE-T solutions.

El Ochito® Blue



SuperSpeed USB

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

El Ochito® Red

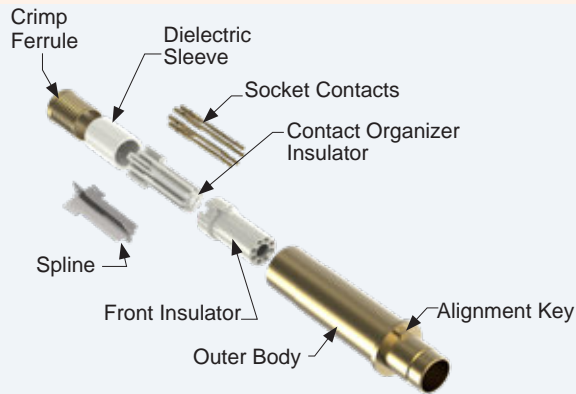


HDMI, DisplayPort, SATA

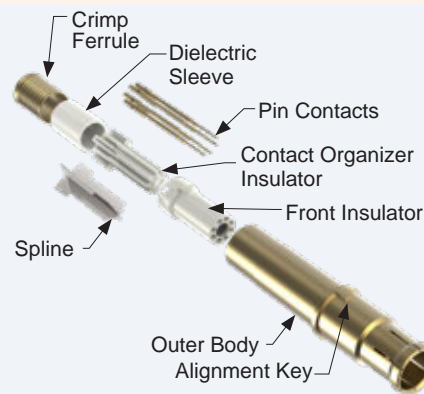
Low-dielectric material. Up to 5 Gbps. 100 ohms. El Ochito® Red octaxial contacts provide an aerospace-grade solution for multi-gigabit data rates.

El Ochito® Type I Contacts

26 AWG, Non-Serviceable, Crimp Wire Shield Termination



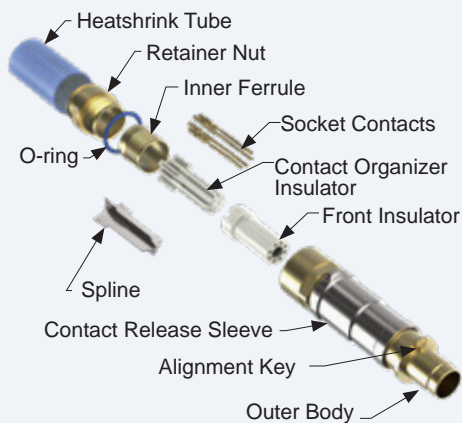
Type I Pin Contact



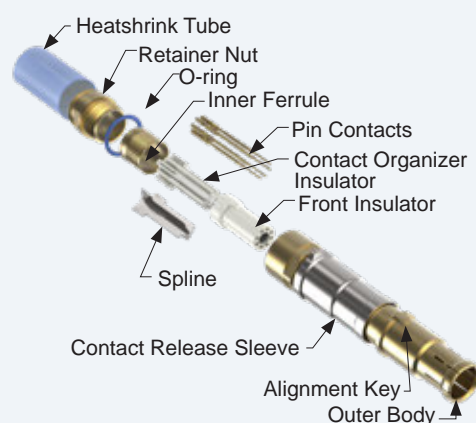
Type I Socket Contact

El Ochito® Type II Contacts

24-26 AWG, Serviceable, Threaded Wire Shield Termination, Integral Contact Release Sleeve



Type II Pin Contact



Type II Socket Contact

SERIES 792

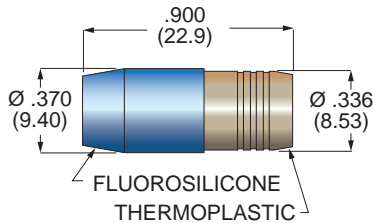
High-Speed Ultraminiature Rectangular Connectors



Size 8 El Ochito® Octaxial Contacts

Sealing Boot

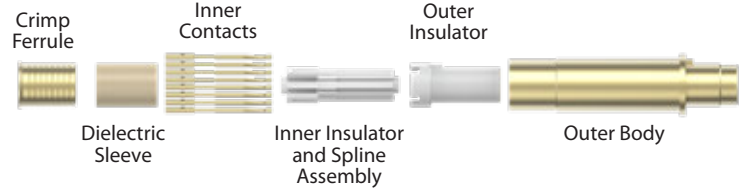
"F" suffix in the part number indicates contact is supplied with sealing boot. To order less boot, delete the "F" suffix. Boot part number **687-754-8-8** (.220 diameter cable) or **687-754-8-9** (.237 diameter cable).



Components

Contacts supplied unassembled with instruction sheet. Assemble and terminate contacts using crimp tools listed on this page.

Ochito Pin Contact



Ochito Socket Contact



Technical Data

Specifications

- ❑ **Operating temperature:**
El Ochito® White: -65° to +175°C
El Ochito® Blue: -65° to +125°C
El Ochito® Red: -65° to +125°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: PPS, natural color
El Ochito® Blue: low-dielectric constant thermoplastic, blue
El Ochito® Red: low-dielectric constant thermoplastic, red
- ❑ **O-ring:** fluorosilicone
- ❑ **Heatshrink tubing:** PVDF
- ❑ **Contact release sleeve:** stainless steel, passivated
- ❑ **Sealing boot grommet:** fluorosilicone
- ❑ **Sealing boot body:** rigid thermoplastic, PEI or equivalent

Assembly Tools

Contact PN	Inner Contact Crimp		Cable Shield Hex Crimp		Cable Shield Round Crimp			Key Alignment Tool	Rear Ferrule Insertion Tool	Removal Tool
	Tool	Positioner	Tool	Hex Die	Tool	Positioner 1	Positioner 2			
858-045	809-015	859-101	809-129	859-007	—	—	—	600-236	600-242	859-049
858-047-01	809-015	859-101	809-129	859-007	—	—	—	600-236	600-242	859-049
858-047-02	809-015	859-101	—	—	809-134	859-184-2	859-184-3	600-236	600-242	859-049
858-049	809-015	859-101	809-129	859-007	—	—	—	600-236	600-242	859-049
858-046	809-015	859-101	809-129	859-007	—	—	—	600-235	600-242	859-049
858-048-01	809-015	859-101	809-129	859-007	—	—	—	600-235	600-242	859-049
858-048-02	809-015	859-101	—	—	809-134	859-184-4	859-184-5	600-235	600-242	859-049
858-050-01	809-015	859-101	809-129	859-007	—	—	—	600-235	600-242	859-049
	809-015 (M22520/2-01)	859-101 (K1906)	809-129 (M22520/5-01)	859-007 (M22520/5-45)	859-134 (GS206)	859-184	600-235 600-236	600-242	859-049 (M81969/14-12)	