

OPTIMIZED
FOR USE WITH
SpeedLine
High-Speed Protocol Cables

SERIES
792
High-Speed

Micro miniature rectangular
connector with El Ochito
contacts for high-speed
aerospace applications



The robotics
workstation
inside the ISS
cupola

The Series 792 connector brings high-speed data-rate performance to the Glenair Series 79 rectangular family. Size 8 cavities accept standard Quadrax or El Ochito® shielded octaxial contacts making it a perfect choice for radars, weapons systems, mission computers and displays, communications gear, and more.

HIGH-SPEED PROTOCOL CAPABILITY:

- 10GBase-T
- 40GBase-T
- HDMI 2.0
- DisplayPort 1.4
- DVI Single / Dual
- eSATA / SATA 3.0
- SpaceWire
- USB 3.2 Gen 1x1

El Ochito®

- High-speed Ethernet, USB 3.0, HDMI, and DisplayPort
- PCB-mount and cable connectors
- Scoop-proof interface
- 12 arrangements, 6 shell sizes, from 1 to 9 way
- Precision-machined dual-lobe polarized shells
- Environmentally sealed
- Integrated EMI shielding and grounding
- Blind mating

HIGH-SPEED Series 792 Micro-Crimp Contact Rectangular



With high-density El Ochito octaxial shielded contacts

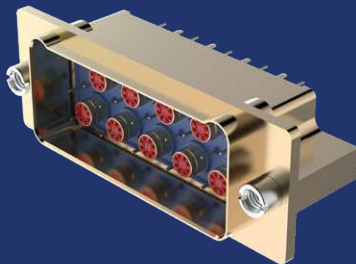
DESCRIPTION	REQUIREMENT	PROCEDURE / NOTES
Operating temperature	-65° to +175°C	EIA-364-32 Test Condition IV
Current rating	1.5 Amps (datalink contacts) 5 Amps (Size #23 contacts)	Datalink contacts tested: El Ochito® White
DWV (sea level)	750 VAC (Size #23 contacts) 1000 VAC (datalink contacts)	EIA-364-20
Insulation resistance	5000 MΩ minimum	EIA-364-21
Contact resistance, 25°C	55 millivolt maximum	EIA-364-06, 1.0 A test current, #24 AWG wire

DESCRIPTION	REQUIREMENT	PROCEDURE / NOTES
Shell-to-shell resistance	2.5 millivolt maximum	EIA-364-83
Shielding effectiveness	<u>Frequency</u> <u>Attenuation dB</u>	EIA-364-66
	100 75	
	1000 50	
	3000 44	
	6000 38	
Ingress protection	10000 35	
	IP67 rating	IEC-60529



Twinax, Quadrax and El Ochito®

Connectors are available in three configurations: twinax for a single high-speed wire pair, quadrax for two data pairs, and El Ochito® for four.



Up to 9 data ports

The Series 792 Size F with nine ports is the largest connector in the series and is the only two row version. Sizes A – E, with one to five ports, are single row.



PCB Connectors

Series 792 PCB connectors have straight or right angle PC tails. Contacts are non-removable and are epoxy sealed.



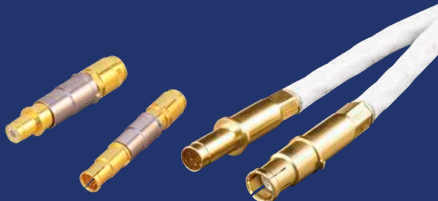
Panel Mount

Panel mount connectors have O-ring and threaded mounting holes for easy installation and are available with guide pins and float mounts.



Cable Connectors

High-speed shielded contacts snap into Series 792 cable connectors and are easily removed with a standard plastic tool.



El Ochito® Contacts and Jumpers

Available as catalog offerings for Ethernet, SuperSpeed USB, HDMI, DisplayPort, SATA, and other multi-gigabit protocols.

El Ochito® octaxial contacts are intended for harsh environment military and aerospace data networks, and provide up to 50% total weight savings and 20 times faster data rates compared to legacy quadrax-based solutions.



El Ochito®
White
GbE
10GbE
40GbE



El Ochito®
Blue
USB 3.0



El Ochito®
Red
HDMI, SATA,
DisplayPort

- Snap-in, rear release octaxial contact for use with aerospace-grade high-speed cable
- Environmentally protected
- Support for all major high-speed datalink protocols
- Significant size and weight savings compared to quadrax

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