

MICRO-CRIMP RECTANGULAR CONNECTORS

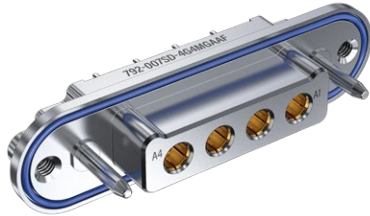
Series 792 High-Speed

SERIES™
792
High-Speed

792-007

Panel Plug, Straight PC Tails, El Ochito®

- ◆ Octaxial PC tail contacts
- ◆ Straight PCB tails
- ◆ Socket contacts



792-007 panel plug has El Ochito® high-speed octaxial PC tail socket contacts for thru-hole printed circuit board termination. Contacts are potted with epoxy. Machined aluminum shell has integral standoff and threaded holes for attachment to PC board. Combo arrangements have #23 contacts.

- Aerospace-grade rectangular PCB connector with high speed size 8 octaxial contacts
- 1–9 data ports
- Rugged duo-lobed aluminum shell
- Environmental

INSERT ARRANGEMENTS

Thermoplastic Insert	Grounded All-Aluminum	No. of Contacts	
		#8	#23
A-1W1	A-1G1	1	–
A-3W1		1	2
B-23W1		1	22
B-2W2	B-2G2	2	–
B-6W2		2	4
C-24W2		2	22
C-3W3	3G3	3	–
C-9W3		3	6
D-27W3		3	24
D-4W4	D-4G4	4	–
D-12W4		4	8
E-5W5	E-5G5	5	–
E-15W5		5	10
E-45W3		3	42
F-9W9	F-9G9	9	–
F-31W9		9	22

OCHITO PROTOCOLS



WHITE

1000 / 10G / 40GBASE-T



BLUE

USB 3.0

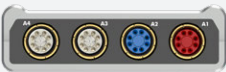


RED

HDMI, SATA, DisplayPort

The Ochito octaxial contact is color-coded to signify the data protocol. White is used for high speed Ethernet, blue is used for USB 3.0, and red is used for multi gigabit 100 ohm protocols including HDMI, DisplayPort and SATA. The connector part number includes a code from the **Protocol Code** table. This code enables combinations of protocols as shown in the examples below.

Code AE

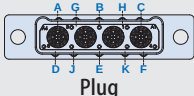


Code AQ



Application Note Polarization Key Positions

See Mod Code 1104 pg. C-8 for details



Plug



Receptacle

HOW TO ORDER

Sample Part Number

792-007S C-3P3 M G AK C B

Basic Part Number

792-007S

Panel Plug, Straight PC Tails, Octaxial Socket Contacts

Shell Size-Insert Arr.

See "Insert Arrangements" Table

Shell Finish

M Electroless Nickel
MT Nickel / PTFE
NF Olive Drab Cadmium
TZ Tin-Zinc

Hardware Option
Table 1

ZR Black Zinc-Nickel
N No Hardware *Threaded holes*
G Guide Pins *For blind mating*
P Female Jackposts

Protocol Code

See "Protocol Code" table on next page

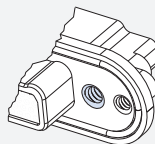
Panel O-Ring

N No O-ring
C Conductive Fluorosilicone O-ring
F Fluorosilicone O-ring

Polarization Key Option

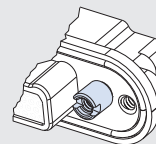
Enter Letter Designator for Position **A, B, C, D, E, F, G, H, J**, or **K** per Mod Code 1104 (see page C-8 for details) **Omit** for none

TABLE 1 HARDWARE OPTION



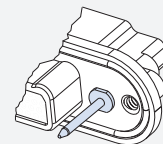
N No Hardware

Threaded Hole
10-32 UNF-2B, .150 (3.81) min. depth



P Female Jackpost

8-32 UNC-2B



G Guide Pin

RATINGS

- Voltage (DWV): 500 VAC
- Current: #23 5A
- Operating temperature: -65 to +150 °C
- Durability: 500 mating cycles
- Shock: 300 g
- Vibration: 20 g random

CONSTRUCTION

- #23 Contacts: Copper alloy, gold over nickel finish, stainless steel hood
- Ochito contact: Copper alloy, gold over nickel finish. Insulators are high performance thermoplastic.
- Shell: Aluminum
- Insulator: High performance thermoplastic
- Encapsulant: Epoxy
- Hardware: Stainless steel, passivated
- O-ring: Fluorosilicone. Conductive O-ring is Cho-Seal 1298 silver-plated aluminum filled fluorosilicone.

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Series 792 High-Speed

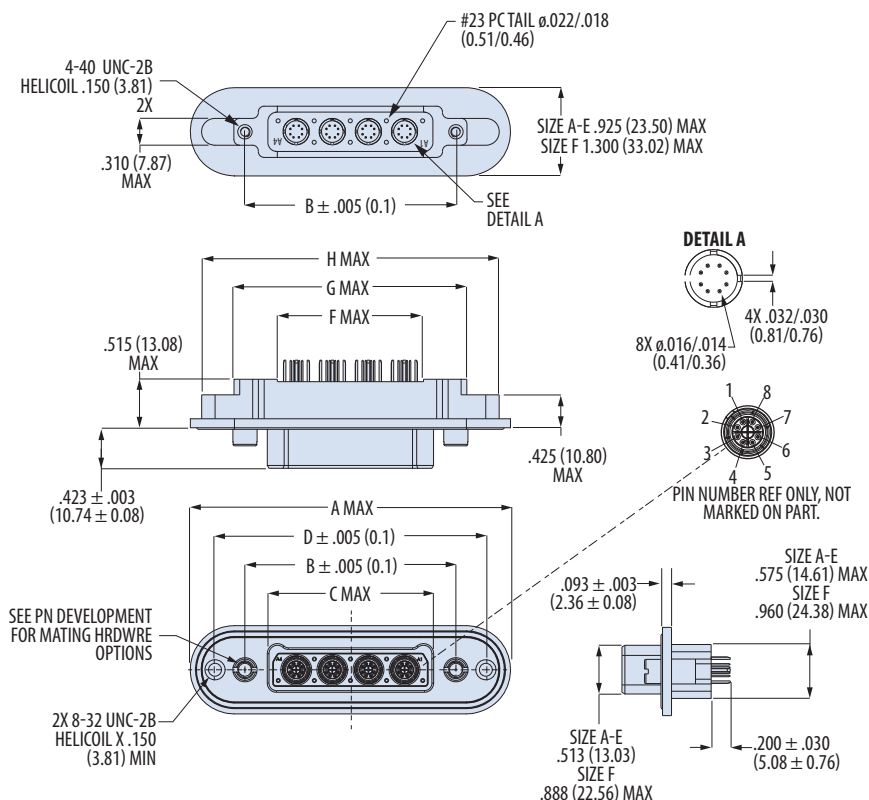


792-007

Panel Plug, Straight PC Tails, El Ochoito®

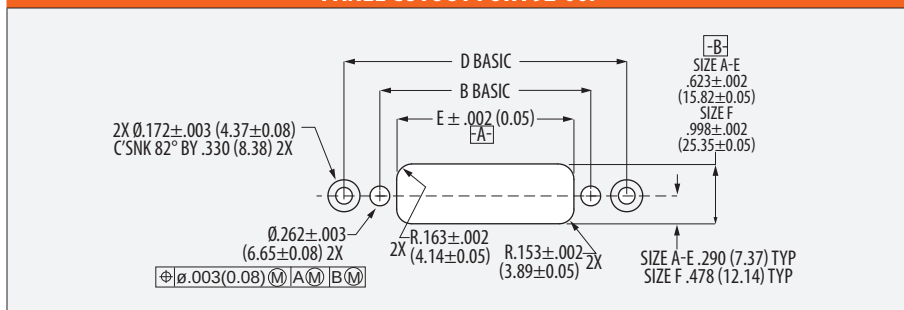
- ◆ Octaxial PC tail contacts
- ◆ Straight PCB tails
- ◆ Socket contacts

PROTOCOL CODE									
Code	Cavity								
	A1	A2	A3	A4	A5	A6	A7	A8	A9
AA	W	W	W	W	W	W	W	W	W
AB	B	W	W	W	W	W	W	W	W
AC	R	W	W	W	W	W	W	W	W
AD	B	B	W	W	W	W	W	W	W
AE	R	B	W	W	W	W	W	W	W
AF	R	R	W	W	W	W	W	W	W
AG	B	B	B	W	W	W	W	W	W
AH	R	B	B	W	W	W	W	W	W
AJ	R	R	B	W	W	W	W	W	W
AK	R	R	R	W	W	W	W	W	W
AL	B	B	B	B	W	W	W	W	W
AM	R	B	B	B	W	W	W	W	W
AN	R	R	B	B	W	W	W	W	W
AP	R	R	R	B	W	W	W	W	W
AQ	R	R	R	R	W	W	W	W	W
AR	B	B	B	B	B	W	W	W	W
AS	R	B	B	B	B	W	W	W	W
AT	R	R	B	B	B	W	W	W	W
AV	R	R	R	B	B	W	W	W	W
AW	R	R	R	R	B	W	W	W	W
AX	R	R	R	R	R	W	W	W	W
AY	B	B	B	B	B	B	W	W	W
AZ	R	B	B	B	B	B	W	W	W
BA	R	R	B	B	B	B	W	W	W
BB	R	R	R	B	B	B	W	W	W
BC	R	R	R	R	B	B	W	W	W
BD	R	R	R	R	R	B	W	W	W
BE	R	R	R	R	R	R	W	W	W
BF	B	B	B	B	B	B	B	W	W
BG	R	B	B	B	B	B	B	W	W
BH	R	R	B	B	B	B	B	W	W
BJ	R	R	R	B	B	B	B	W	W
BK	R	R	R	R	B	B	B	W	W
BL	R	R	R	R	R	B	B	W	W
BM	R	R	R	R	R	R	B	W	W
BN	R	R	R	R	R	R	R	W	W
BP	B	B	B	B	B	B	B	B	W
BQ	R	B	B	B	B	B	B	B	W
BR	R	R	B	B	B	B	B	B	W
BS	R	R	R	B	B	B	B	B	W
BT	R	R	R	R	B	B	B	B	W
BV	R	R	R	R	R	B	B	B	W
BW	R	R	R	R	R	R	B	B	W
BX	R	R	R	R	R	R	R	B	W
BY	R	R	R	R	R	R	R	R	W
BZ	B	B	B	B	B	B	B	B	B
CA	R	B	B	B	B	B	B	B	B
CB	R	R	B	B	B	B	B	B	B
CC	R	R	R	B	B	B	B	B	B
CD	R	R	R	R	B	B	B	B	B
CE	R	R	R	R	R	B	B	B	B
CF	R	R	R	R	R	R	B	B	B
CG	R	R	R	R	R	R	R	B	B
CH	R	R	R	R	R	R	R	R	B
CJ	R	R	R	R	R	R	R	R	R



Shell Size	A Max		B ± .005 (0.1)		C Max		D ± .005 (0.1)		E ± .002 (0.05)		F Max		G Max		H Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
A	2.220	56.39	1.075	27.31	.615	15.62	1.699	43.15	.725	18.42	.460	11.68	1.310	33.27	1.984	50.39
B	2.595	65.91	1.450	36.83	.990	25.15	2.074	52.68	1.100	27.94	.835	21.21	1.685	42.80	2.359	55.92
C	2.970	75.44	1.825	46.36	1.365	34.67	2.449	62.20	1.475	37.47	1.210	30.73	2.060	52.32	2.734	69.44
D	3.345	84.96	2.200	55.88	1.740	44.20	2.824	71.73	1.850	46.99	1.585	40.26	2.435	61.85	3.109	78.97
E	3.720	94.49	2.575	65.41	2.115	53.72	3.199	81.25	2.225	56.52	1.960	49.78	2.810	71.37	3.484	88.49
F	3.720	94.49	2.575	65.41	2.115	53.72	3.199	81.25	2.225	56.52	1.960	49.78	2.810	71.37	3.484	88.49

PANEL CUTOUT FOR 792-007



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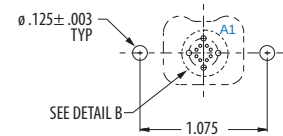
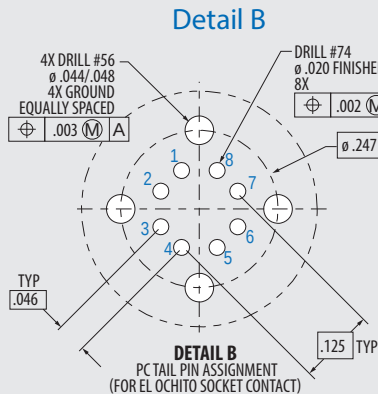
PCB FOOTPRINTS FOR 792-007 CONNECTOR

⚠ Optimizing PCB Design

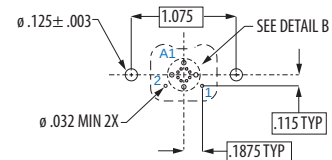
See *Glenair Application Note AN0002 Design and Installation of El Ochito PCB Connectors* for recommended solder pad sizing, trace routing, and connector installation.

<https://cdn.glenair.com/test-reports-and-technical-information/pdf/application-note/an0002.pdf>

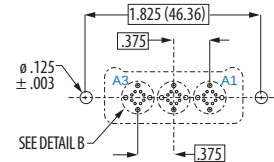
PCB hole patterns are shown for the **component mounting side** of the circuit board.



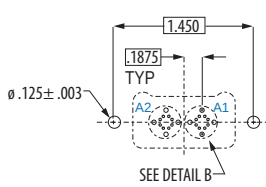
A-1P1 A-1G1



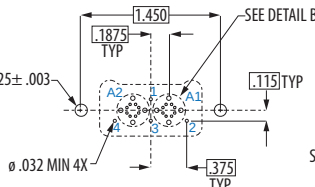
A-3P1



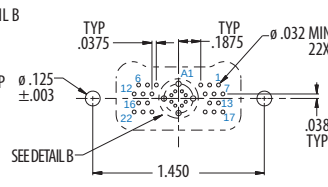
C-3P3 C-3G3



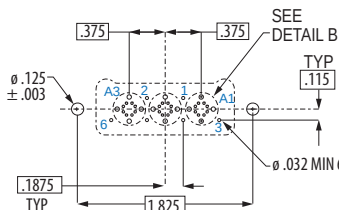
B-2P2 B-2G2



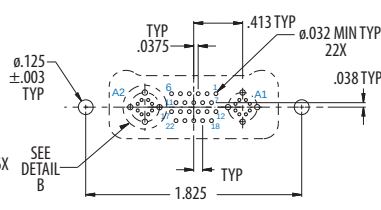
B-6P2



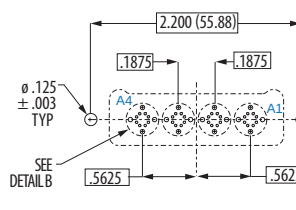
B-23P1



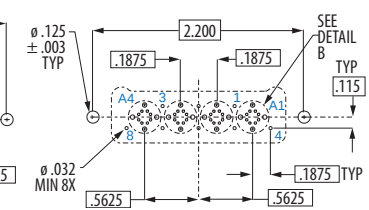
C-9P3



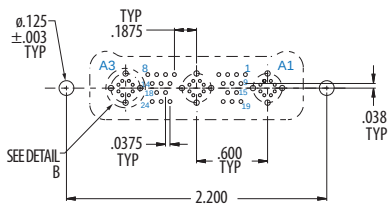
C-24P2



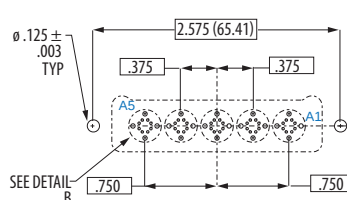
D-4P4 D-4G4



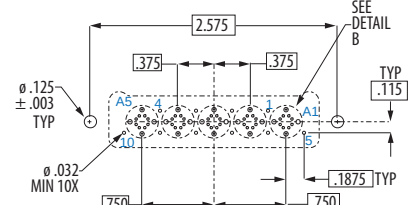
D-12P4



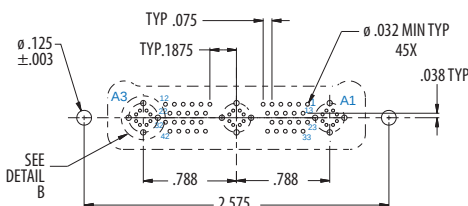
D-27P3



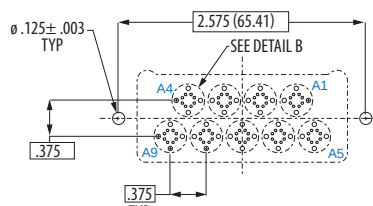
E-5P5 E-5G5



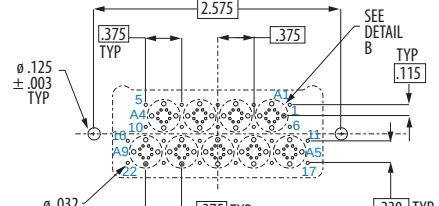
E-15P5



E-45P3



F-9P9 F-9G9



F-31P9