

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 792 High-Speed



792-008

Panel Receptacle, Straight PC Tails, El Ochito®

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



792-008 panel receptacle 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-lobe 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 AA



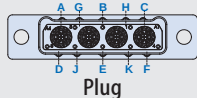
Code AH



Application Note

Polarization Key Positions

See Mod Code 1104 pg. C-8 for details



Plug



Receptacle

HOW TO ORDER

Sample Part Number		792-008P	D-4P4	M	E	P	AA	C	B
Basic Part Number	792-008P	Panel Receptacle, Straight PC Tails, Octaxial Pin Contacts							
Shell Size-Insert Arr.	See “Insert Arrangements” Table								
Shell Finish	M Electroless Nickel MT Nickel / PTFE NF Olive Drab Cadmium TZ Tin-Zinc ZR Black Zinc-Nickel								
EMI Spring	E EMI Spring N No EMI Spring								
Hardware Option Table 1	N No Hardware <i>Threaded holes</i> P Female Jackposts B Guide Bushing <i>For blind mating</i>								
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 JACKPOST OPTION

N No Hardware Threaded Hole 10-32 UNF-2B .150 (3.81) min. depth		P Female Jackpost #8-32 UNC-2B		B Guide Bushing	
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RATINGS

- Voltage (DWV): 500 VAC
- Current: #23 5A
- Operating temperature: -65 to +125 °C
- Durability: 500 mating cycles
- Shock: 300 g
- Vibration: 20 g random

CONSTRUCTION

- #23 Contacts: Copper alloy, gold over nickel finish
- Ochito contact: Copper alloy, gold over nickel finish. Insulators are high performance thermoplastic. Ochito white has nickel-plated copper alloy splines.
- Shell: Aluminum
- Insulator: High performance thermoplastic
- Face seal: Fluorosilicone/silicone blend
- Encapsulant: Epoxy
- Hardware: Stainless steel, passivated

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SERIES™
792
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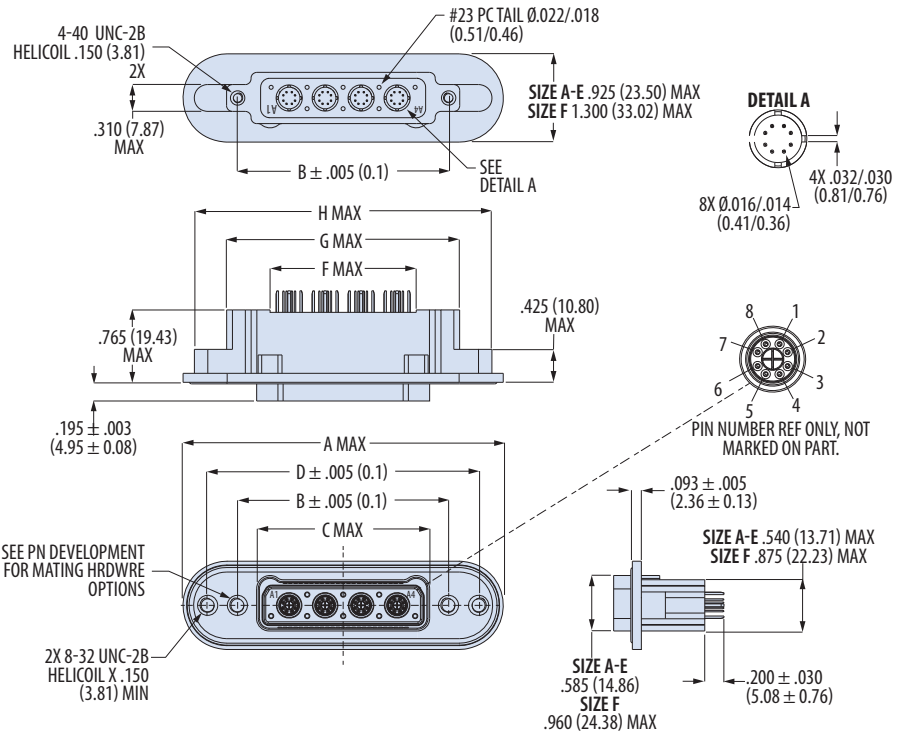
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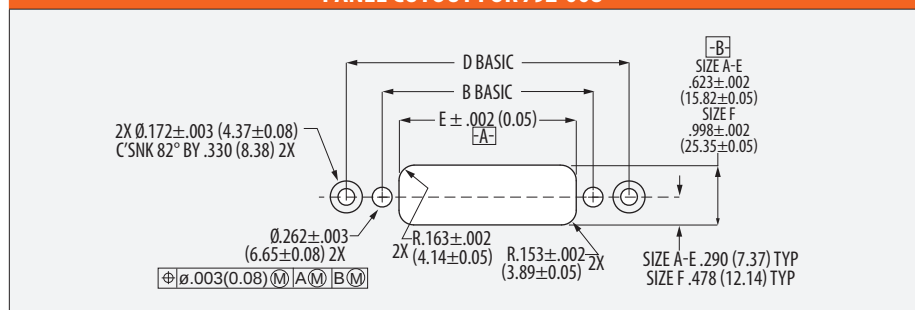
PROTOCOL CODE

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	W	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	R	B	B	B	B	B	B	W	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	.690	17.53	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	1.065	27.05	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	1.440	36.58	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	1.815	46.10	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	2.190	55.62	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	2.190	55.62	3.199	81.25	2.225	56.52	1.960	49.78	2.810	71.37	3.484	88.49

PANEL CUTOUT FOR 792-008



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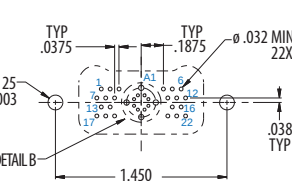
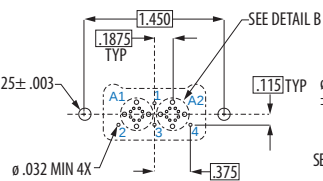
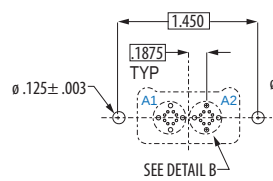
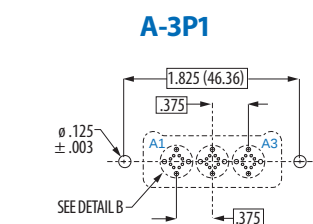
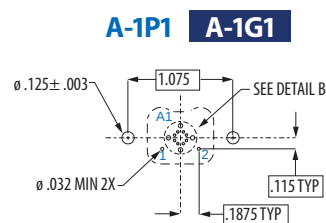
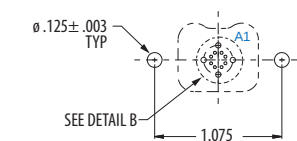
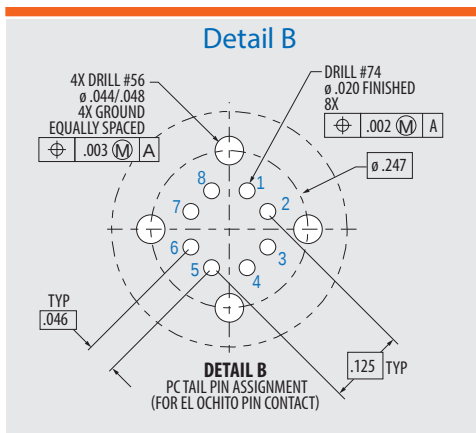
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PCB FOOTPRINTS FOR 792-008 CONNECTOR

⚠ 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.

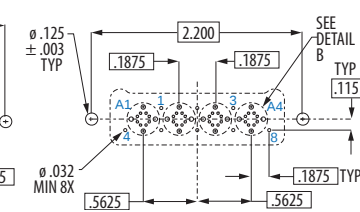
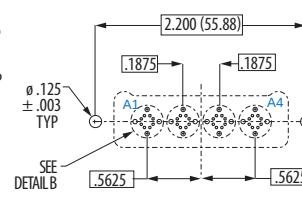
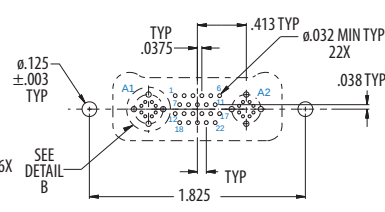
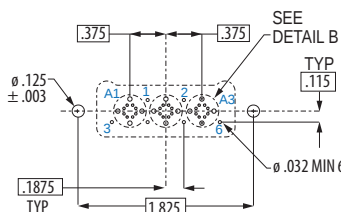


B-2P2 B-2G2

B-6P2

B-23P1

C-3P3 C-3G3

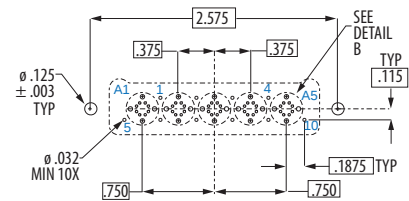
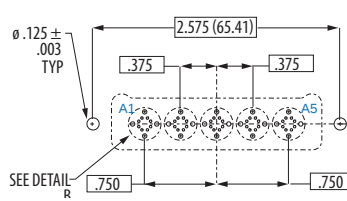
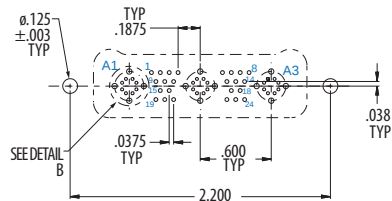


C-9P3

C-24P2

D-4P4 D-4G4

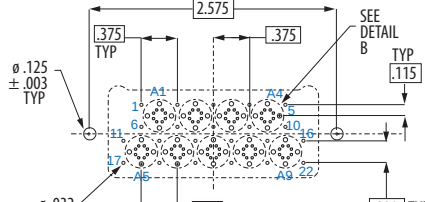
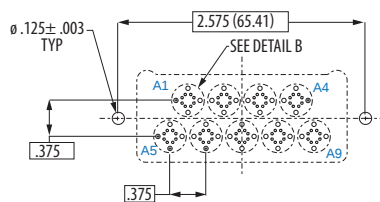
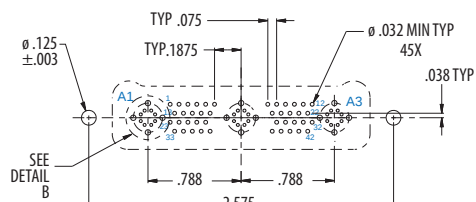
D-12P4



D-27P3

E-5P5 E-5G5

E-15P5



E-45P3

F-9P9 F-9G9

F-31P9