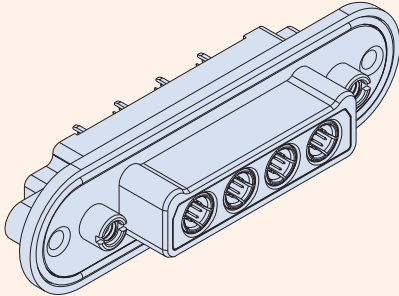


792-007S El Ochito® PCB Plug Connectors, Panel Mount Straight PC Tail Ochito Octaxial Contacts



Technical Data

Specifications

- Operating temperature: -65 to +125 °C
- Current rating, size 23 contact: 5A
- Current rating, Ochito contacts: 1.5A
- Voltage rating (DWV): 500 Vac
- Shock: EIA-364-27 condition D
- Vibration: EIA-364-28 condition V, letter E
- Insulation Resistance: 5000 MΩ min.
- Altitude immersion: 75,000 feet

Construction

- Shell: aluminum alloy
- Metal insert: aluminum, nickel plated
- Insulators: high-grade rigid dielectric
- Size 23 contacts: copper alloy, 50 microinches gold over nickel plating
- Ochito contacts
inner and outer contacts: copper alloy, 50 microinches gold over nickel plating. Insulators: high-grade rigid thermoplastic
- Potting compound: epoxy
- O-ring: code F fluorosilicone, code C silver plated aluminum-filled fluorosilicone, code S gold plated copper alloy
- Hardware: 300 series SST, passivated

Octaxial PCB contacts. Blind mate. Panel mount with O-ring. Series 792 connectors are intended for 10Gb Ethernet, USB 3.0 and other multi-gigabit protocols. 792-007S panel mount connectors feature machined aluminum shells with polarizing lobes. Scoop-proof interface for problem-free service. Military-grade performance and construction.

How To Order

	Sample P/N → 792-007S	C-3P3	M	G	AA	F
Product	792-007S = Panel Plug, PC Tail Socket Contacts					
Insert Arrangement	See Table 2					
Shell Finish	M = Electroless Nickel MT = Nickel-PTFE ZR = Black Zinc-Nickel					
Mating Hardware (Table 1)	N = No hardware P = Jackpost G = Male guide pin					
El Ochito® Protocol Code	See Table 3					
O-ring Option	N = No O-ring F = Fluorosilicone O-ring (non-conductive) C = Conductive fluorosilicone O-ring S = Metal EMI panel spring (non-environmental)					

Table 1 Mating Hardware

 N No Hardware Blind tapped holes	 P Jackposts Non-removable 8-32 UNC-2B thread	 G Guide Pins Non-removable
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Table 2 Insert Arrangements

Cavity identification numbers shown are for mating face of plug connectors with socket contacts.

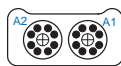
* Insert arrangements with "G" designator are grounded type with metal insert. Insert arrangements with "P" designator have thermoplastic dielectric.



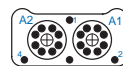
1 Ochito
A-1P1
A-1G1*



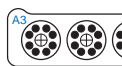
1 Ochito, 2 #23
A-3P1



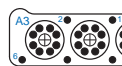
2 Ochitos
B-2P2
B-2G2*



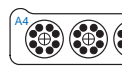
2 Ochitos, 4 #23
B-6P2



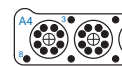
3 Ochitos
C-3P3
C-3G3*



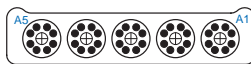
3 Ochitos, 6 #23
C-9P3



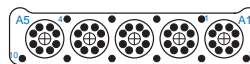
4 Ochitos
D-4P4
D-4G4*



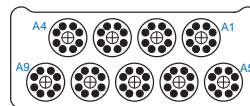
4 Ochitos, 8 #23
D-12P4



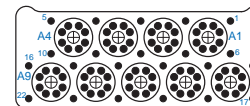
5 Ochitos
E-5P5
E-5G5*



5 Ochitos, 10 #23
E-15P5



9 Ochitos
F-9P9
F-9G9*



9 Ochitos, 22 #23
F-31P9

SERIES 792

High-Speed Ultraminiature Rectangular Connectors



792-007S El Ocho[®] PCB Plug Connectors, Panel Mount Straight PC Tail Ocho Octaxial Contacts

Ocho Protocols



WHITE
10GBASE-T



BLUE
USB 3.0



RED
HDMI, SATA,
DisplayPort

The Ocho octaxial contact has a color-coded insulator signifying the data protocol. White is used for 10 Gb 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 protocol code from Table 3. This code enables combinations of these protocols.

792-007S Dimensions

Shell Size	A Max		B Basic		C Max		D Max		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	59.92
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

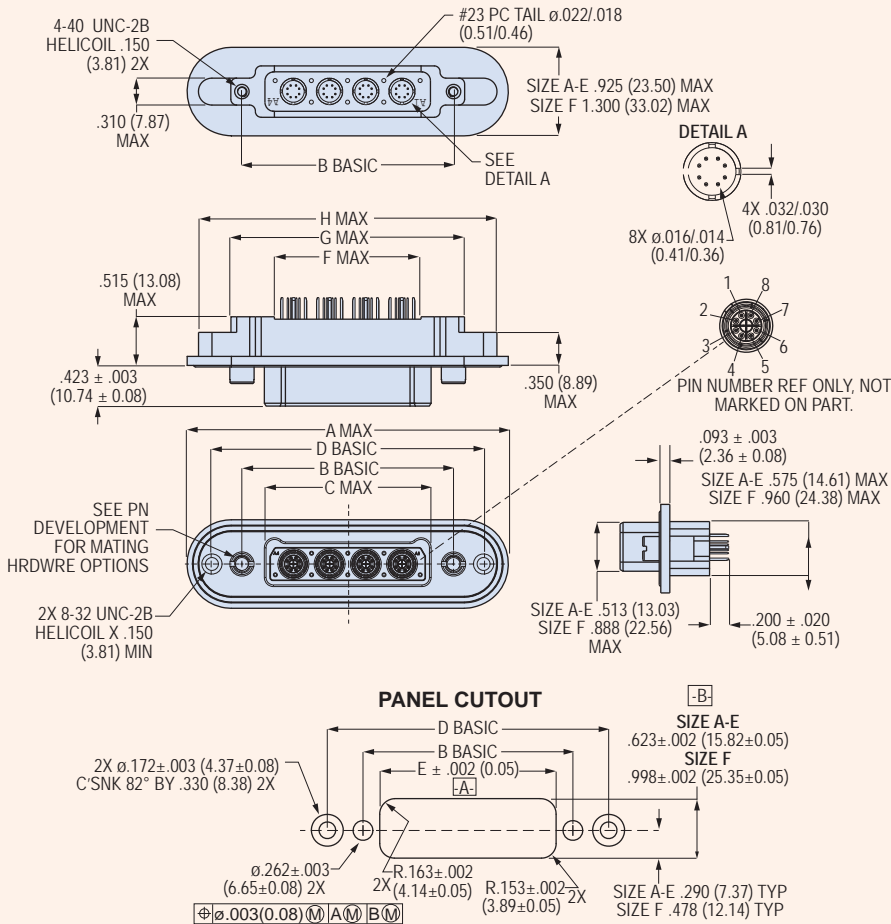


Table 3 Protocol Code

Code AE



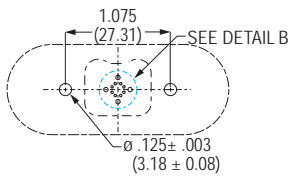
Code AQ



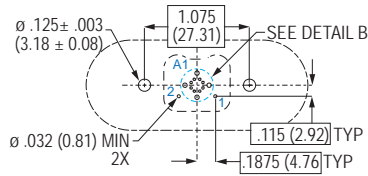
Code	Cavity								
	A1	A2	A3	A4	A5	A6	A7	A8	A9
AA	W	W	W	W	W	W	W	W	W
AB	B	W	W	W	W	W	W	W	W
AC	R	W	W	W	W	W	W	W	W
AD	B	B	W	W	W	W	W	W	W
AE	R	B	W	W	W	W	W	W	W
AF	R	R	W	W	W	W	W	W	W
AG	B	B	B	W	W	W	W	W	W
AH	R	B	B	W	W	W	W	W	W
AJ	R	R	B	W	W	W	W	W	W
AK	R	R	R	W	W	W	W	W	W
AL	B	B	B	B	W	W	W	W	W
AM	R	B	B	B	W	W	W	W	W
AN	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	W	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

792-007S El Ochito® PCB Plug Connectors, Panel Mount Straight PC Tail Ochito Octaxial Contacts

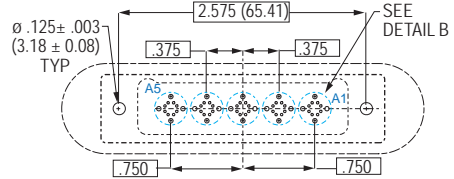
792-007S Printed Circuit Board Layouts



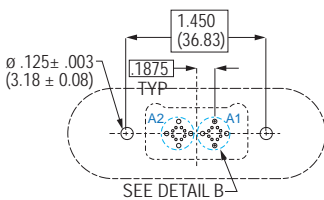
A-1P1, A-1G1



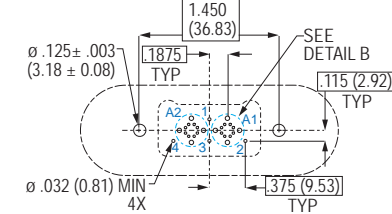
A-3P1



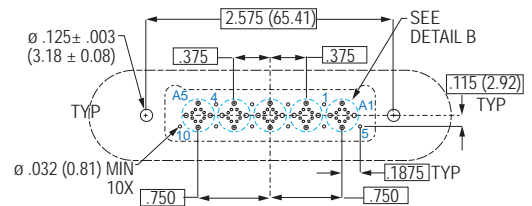
E-5P5, E-5G5



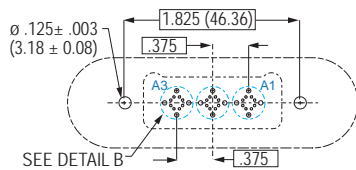
B-2P2, B-2G2



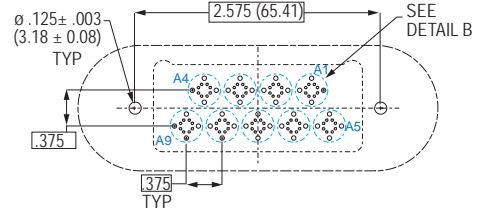
B-6P2



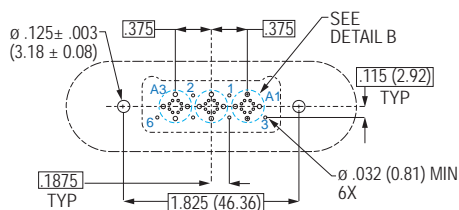
E-15P5



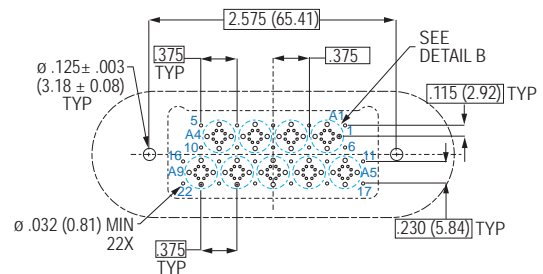
C-3P3, C-3G3



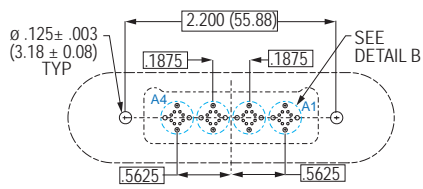
F-9P9, F-9G9



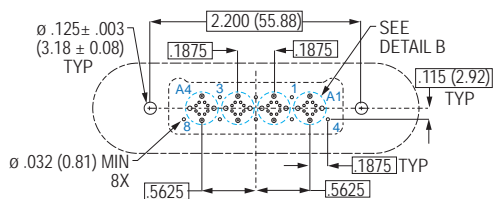
C-9P3



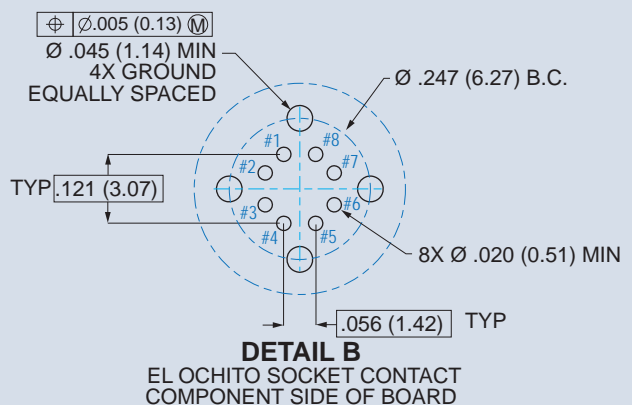
F-31P9



D-4P4, D-4G4



D-12P4



See Glenair Application Note AN0002 for optimal performance