

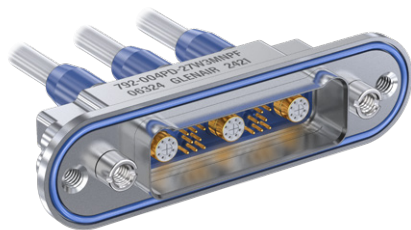
MICRO-CRIMP RECTANGULAR CONNECTORS

Series 792 High-Speed

SERIES™
792
High-Speed

792-004 Panel Receptacle

- ◆ Crimp, rear-release
- ◆ Pin contacts



Twinax, quadrax or El Ochito® contacts.

792-004 panel receptacle has size #8 cavities for snap-in high speed data contacts (purchased separately). Combo arrangements have size #23 contacts (included with connector). Keyed inserts and scoop-proof duo-lobe shell provide precise alignment of contacts for problem-free mating. #8-32 screwlocks or jackposts are 300 series stainless steel. Shell has tapped holes for attaching backshell.

- Aerospace-grade rectangular connector with high speed size 8 datalink 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

#8 PIN CONTACTS

#8 Contacts are not included with connector. See Section E for contact ordering information.



Contact Type	Application	Contact Part Number
Diff. Twinax	77 Ohm 100 Ohm	853-076
Quadrax	100BASE-T, ARINC 664	854-047
Octaxial El Ochito®	Ethernet: 1000BASE-T, 10Gb, 40Gb	858-045 858-043
	USB 3.0	858-047 858-071
	Multi-Gig 100 Ohm: HDMI, DisplayPort, SATA	858-049 858-065
Coaxial	50 Ohm	852-149
	75 Ohm	852-151
Power	#8 AWG	850-159

HOW TO ORDER

Sample Part Number		792-004P	B-2W2	M	E	P	C	B
Basic Part Number	792-004P Panel Receptacle, Pin Contacts							
Shell Size-Insert Arr.	See "Insert Arrangements" Table							
Shell Finish	M Electroless Nickel MT Nickel / PTFE N 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 <u>Threaded holes</u> P Female Jackposts B Guide Bushing <u>For blind mating</u>							
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	 B Guide Bushing
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RATINGS

- Voltage (DWV): size 23 contacts 750 VAC
- Current: #23 5A
- Operating temperature: -65 to +150 °C
- Durability: 500 mating cycles
- Shock: 300 g
- Vibration: 20 g random

CONSTRUCTION

- Contacts: Copper alloy, gold over nickel finish
- Shell: Aluminum
- Insulators: High performance thermoplastic
- Ground spring: BeCu, electroless nickel plated
- Grommet, face seal: Fluorosilicone/silicone blend
- O-ring: Code F- fluorosilicone, Code C- conductive fluorosilicone
- Contact retaining clip: Beryllium copper, unplated
- Hardware: Stainless steel

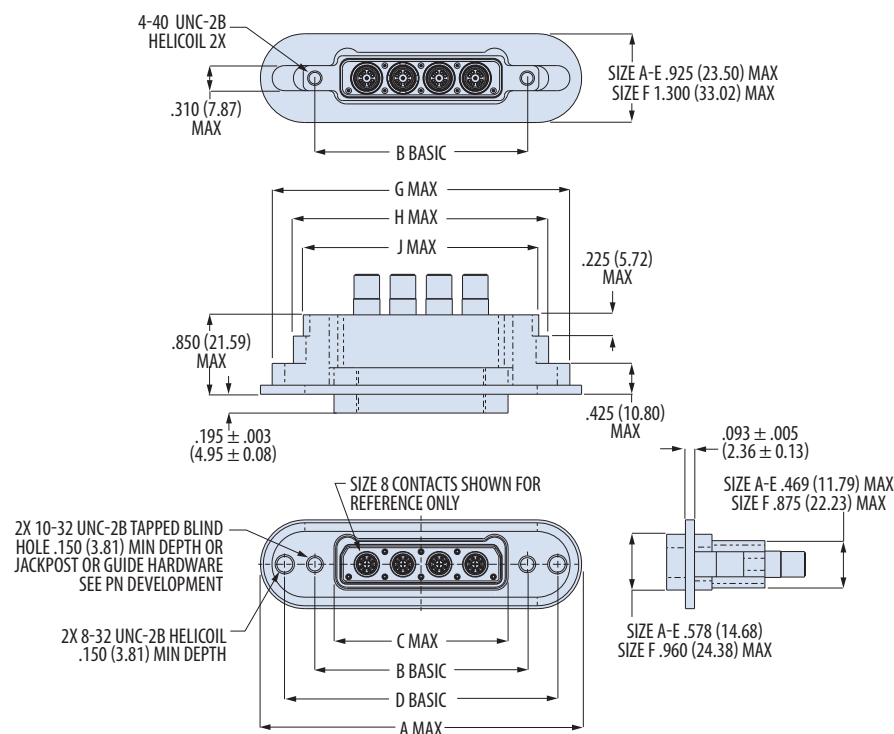
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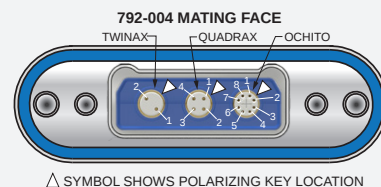
792-004 Panel Receptacle

- ◆ Crimp, rear-release
- ◆ Pin contacts



CONTACT POLARIZING KEY LOCATION

Series 792 size 8 contact cavities have a polarizing keyway. This keyway orients and aligns twinax, quadax and El Ochito® contacts. The connector keyway is rotated 45° from top dead center. This illustration shows the location of the polarizing key and the contact numbers when looking at the mating face of the plug (socket) connector.

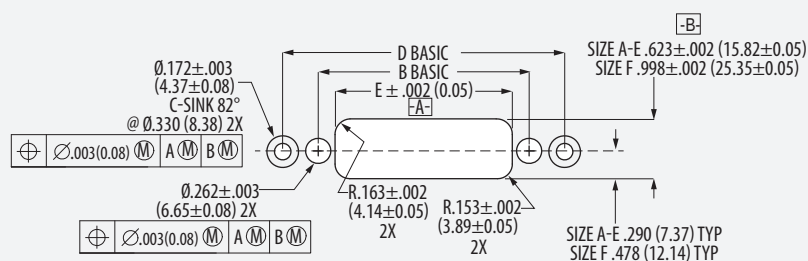


SIZE 23 PIN CONTACT

Size #23 contacts are bulk packed with connector. Spare contacts are not included and should be ordered separately if required. See "Contacts and Tools" section for additional information.

Contact Part No.	Crimp Tool	Positioner
850-163	809-015 (M22520/2-01)	859-214 (K2104)

PANEL CUTOUT



INSTALLING AND REMOVAL TOOLS

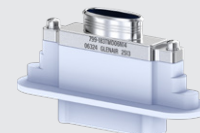
Insertion/ Removal Tool for Size 23 Contact	Removal Tool for Size 8 Contact
809-088	859-049 (M22520/14-12)



Application Note

EMI Banding Backshell 799-183

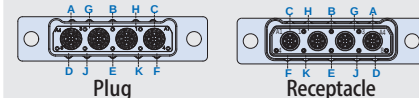
See page F-37 for backshell ordering information.



Application Note

Polarization Key Positions

See Mod Code 1104 pg. C-8 for details



Shell Size	A Max	B Basic	C Max	D Basic	E ± .002(0.06)	G Max	H Max	J Max
	in	mm	in	mm	in	mm	in	mm
A	2.220	56.39	1.075	27.31	.690	17.53	1.699	43.15
B	2.595	65.91	1.450	36.83	1.065	27.05	2.074	52.68
C	2.970	75.44	1.825	46.36	1.440	36.58	2.449	62.20
D	3.345	84.96	2.200	55.88	1.815	46.10	2.824	71.73
E	3.720	94.49	2.575	65.41	2.190	55.63	3.199	81.25
F	3.720	94.49	2.575	65.41	2.190	55.63	3.199	81.25