792-013
Float Mount Plug

- Crimp, rear-release
- Float mount blind mate
- Socket contacts

Twinax, quadrax or El Ochito® contacts.
792-013 float mount plug has size #8 cavities for snap-in high speed data contacts (purchased separately). Combo arrangements have size #23 contacts (included with connector). Machined aluminum shell has stainless steel float bushings. Rear grommet provides environmental protection. Shell has rear threads for attaching EMI banding adapter (799-183, sold separately).

- 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	No. of Contacts #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

HOW TO ORDER

Sample Part Number	792-013S	D-4W4	M	G	B

Basic Part Number	**792-013S** Float Mount Plug, 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 **ZR** Black Zinc-Nickel
Hardware Option	**N** No Hardware *Threaded holes* **G** Guide Pins
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

#8 SOCKET 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	853-075
Quadrax	100BASE-T, ARINC 664	854-048
Octaxial *El Ochito®*	***Ethernet:*** 1000BASE-T, 10Gb, 40Gb	858-046 858-042
	USB 3.0	858-048 858-072
	Multi-Gig 100 Ohm: HDMI, DisplayPort, SATA	858-050 858-066
Coaxial	50 Ohm	852-148
	75 Ohm	852-150
Power	#8 AWG	850-158

CONSTRUCTION

- **Contacts:** Copper alloy, gold over nickel finish
- **Shell:** Aluminum
- **Insulators:** High performance thermoplastic
- **Wire grommet:** Fluorosilicone/silicone blend
- **Contact retaining clip:** Beryllium copper, unplated
- **Hardware:** Stainless steel

RATINGS

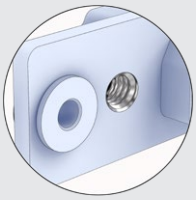
- **Voltage (DWV):** size 23 contacts 750 VAC
- **Current:** #23 5A
- **Operating temperature:** -65 to +150 °C
- **Durability:** 500 mating cycles
- **Shock:** 300 g
- **Vibration:** 20 g random

SIZE 23 SOCKET CONTACT

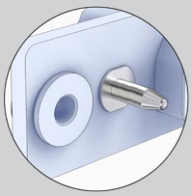
Size #23 contacts are bulk packed with connector. Spare contacts are not included and should be ordered separately if required. See "Contacts and Tools" section for additional information.

Contact Part No.	Crimp Tool	Positioner
850-164	809-015 *(M22520/2-01)*	859-215 *(K2105)*

HARDWARE OPTIONS



N
No Hardware
Threaded Blind Holes
10-32 UNF-2B

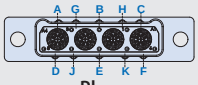


G
Guide Pins

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
Polarization Key Positions
See Mod Code 1104 pg. C-8 for details



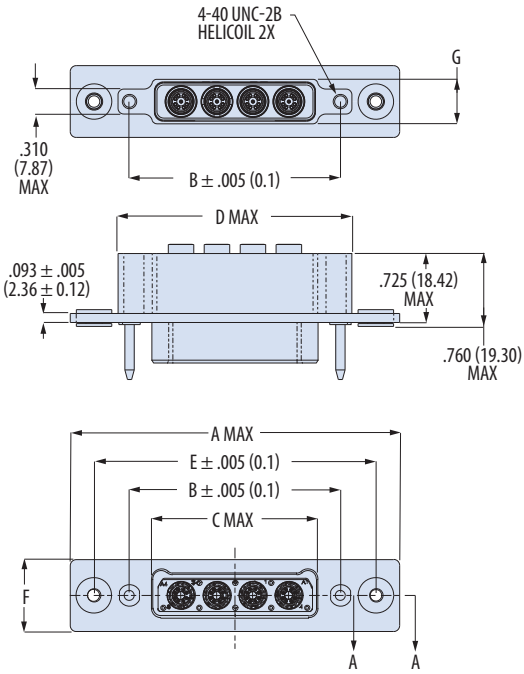
Plug

Receptacle

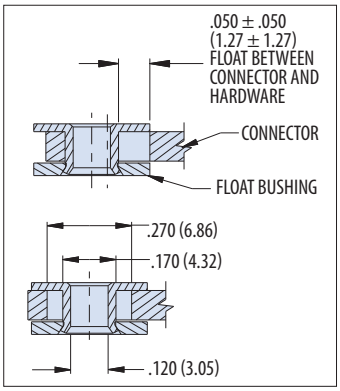
© 2026 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • Series 79 Connectors
Dimensions in Inches (millimeters) are subject to change without notice.

792-013
Float Mount Plug

- Crimp, rear-release
- Float mount blind mate
- Socket contacts



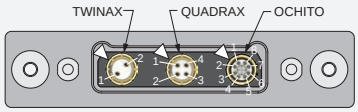
SECTION A-A



CONTACT POLARIZING KEY LOCATION

Series 792 size 8 contact cavities have a polarizing keyway. This keyway orients and aligns twinax, quadrax 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.

792-013 MATING FACE

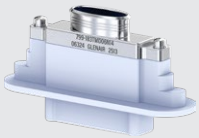


△SYMBOL SHOWS POLARIZING KEY LOCATION

Application Note

EMI Banding Backshell 799-183

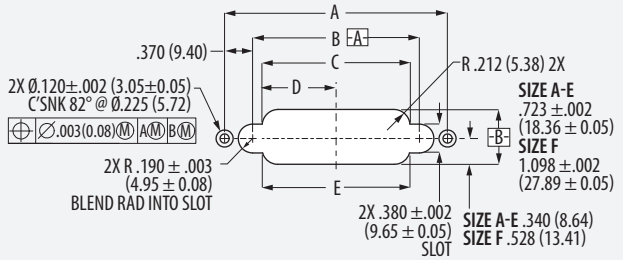
See page **F-37** for backshell ordering information.



Shell Size	A Max		B ± .005 (0.1)		C Max		D Max		E ± .005 (0.1)		F Max		G Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
A	2.317	58.85	1.075	27.31	.615	15.62	1.320	33.53	1.815	46.10	.754	19.15	.475	12.07
B	2.692	68.38	1.450	36.83	.990	25.15	1.695	43.06	2.190	55.63	.754	19.15	.475	12.07
C	3.067	77.90	1.825	46.36	1.365	34.67	2.070	52.58	2.565	65.15	.754	19.15	.475	12.07
D	3.442	87.43	2.200	55.88	1.740	44.20	2.445	62.10	2.940	74.68	.754	19.15	.475	12.07
E	3.817	96.95	2.575	65.41	2.115	53.72	2.820	71.63	3.315	84.20	.754	19.15	.475	12.07
F	3.817	96.95	2.575	65.41	2.115	53.72	2.820	71.63	3.315	84.20	1.129	28.68	.850	21.59

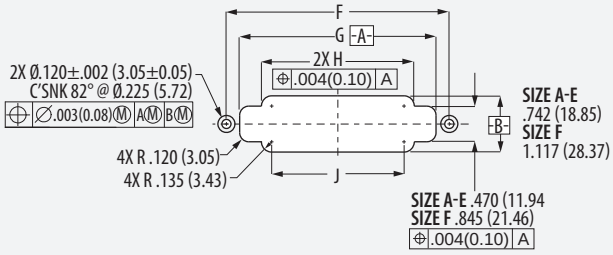
PANEL CUTOUT FOR 792-013 AND 792-014 FLOAT MOUNT CONNECTORS

Rear Mounting



Shell Size	A Basic		B ± .002(0.06)		C		D		E	
	in	mm	in	mm	in	mm	in	mm	in	mm
A	1.815	46.10	1.075	27.31	.823	20.90	.412	10.46	.810	20.57
B	2.190	55.63	1.450	36.83	1.198	30.43	.599	15.21	1.185	30.10
C	2.565	65.15	1.825	46.36	1.573	39.95	.787	19.99	1.560	39.62
D	2.940	74.68	2.200	55.88	1.948	49.48	.974	24.74	1.935	49.15
E	3.315	84.20	2.575	65.41	2.323	59.00	1.162	29.51	2.310	58.67
F	3.315	84.20	2.575	65.41	2.323	59.00	1.162	29.51	2.323	59.00

Front Mounting



Shell Size	F Basic		G		H		J	
	in	mm	in	mm	in	mm	in	mm
A	1.815	46.10	1.465	37.21	.891	22.63	.621	15.77
B	2.190	55.63	1.840	46.74	1.266	32.16	.996	25.30
C	2.565	65.15	2.215	56.26	1.641	41.68	1.371	34.82
D	2.940	74.68	2.590	65.77	2.016	51.21	1.746	44.35
E	3.315	84.20	2.965	75.31	2.391	60.73	2.121	53.87
F	3.315	84.20	2.965	75.31	2.391	60.73	2.121	53.87

© 2026 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • Series 79 Connectors
Dimensions in Inches (millimeters) are subject to change without notice.

Series 792 Insert Arrangements

SERIES 792 INSERT ARRANGEMENTS

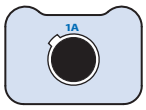
Thermoplastic Insert	Grounded All-Aluminum	No. of Contacts #8	No. of Contacts #23
A-1W1	A-1G1	1	–
A-3W1		1	2
B-23W1		1	22
B-2W2	B-2G2	2	–
B-6W2		2	4
C-24W2		2	22
C-3W3	3G3	3	–
C-9W3		3	6
D-27W3		3	24
D-4W4	D-4G4	4	–
D-12W4		4	8
E-5W5	E-5G5	5	–
E-15W5		5	10
E-45W3		3	42
F-9W9	F-9G9	9	–
F-31W9		9	22

Cavity Numbers

Cavity numbers shown are for mating face of plug (socket) connector. Receptacle (pin) numbers are reversed.

Grounded Insert Arrangements

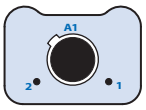
Series 792 connectors are are available with thermoplastic inserts ("**A-1W1**" for example), or with all-aluminum construction for grounding datalink contacts together with the connector shell ("**A-1G1**").



1 #8

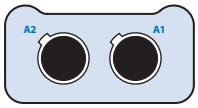
A-1W1

A-1G1 Grounded



1 #8, 2 #23

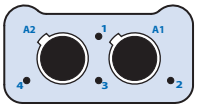
A-3W1



2 #8

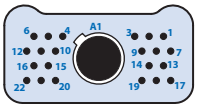
B-2W2

B-2G2 Grounded



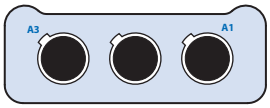
2 #8, 4 #23

B-6W2



1 #8, 22 #23

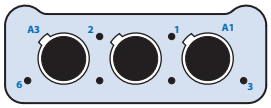
B-23W1



3 #8

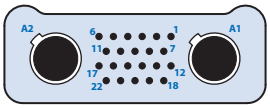
C-3W3

C-3G3 Grounded



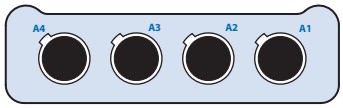
3 #8, 6 #23

C-9W3



2 #8, 22 #23

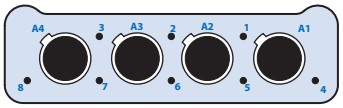
C-24W2



4 #8

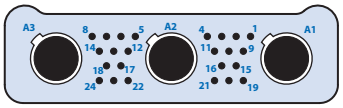
D-4W4

D-4G4 Grounded



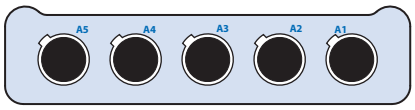
4 #8, 8 #23

D-12W4



3 #8, 24 #23

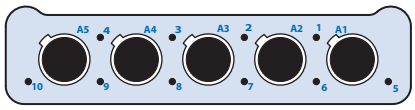
D-27W3



5 #8

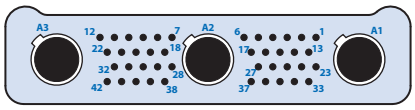
E-5W5

E-5G5 Grounded



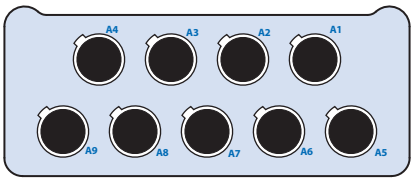
5 #8, 10 #23

E-15W5



3 #8, 42 #23

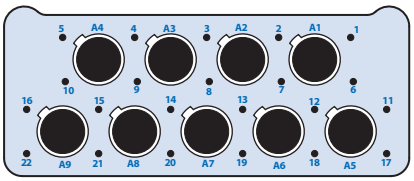
E-45W3



9 #8

F-9W9

F-9G9 Grounded



9 #8, 22 #23

F-31W9

Series 792 Material and Finish Options

The Series 792 High-Speed connector is available in five preferred finishes: electroless nickel, nickel-PTFE, tin-zinc, cadmium, and zinc-nickel.

Additional material and finish options are available. Replace the preferred plating code with the alternate code from the table below.

TIN-ZINC PLATING

The United States Department of Defense (DOD) has mandated the elimination of cadmium from DOD weapons systems because of toxicity concerns. The European Union has also restricted the use of cadmium on electronics equipment (RoHS). Tin-Zinc is a RoHS cadmium-free sacrificial finish that offers high conductivity and shielding performance, corrosion resistance, solderability, and proven compatibility with legacy cadmium and zinc-nickel finishes. Tin-Zinc is DLA-qualified and RoHS compliant.

SERIES 79 PREFERRED FINISH OPTIONS

	Electroless Nickel	Nickel-PTFE	Tin-Zinc	Olive Drab Cadmium	Black Zinc-Nickel
Glenair Code	M	MT	TZ	N	ZR
Corrosion Resistance	Fair	Excellent	Excellent	Excellent	Excellent
Temperature Range	-65 to +200 °C	-65 to +175 °C	-65 to +175 °C	-65 to +175 °C	-65 to +175 °C
Salt Spray Hours	48	500	500	500	500
Conductivity	Excellent	Excellent	Very Good	Very Good	Very Good
RoHS Compliant[1]	Yes	Yes	Yes	No	Yes

[1] Does not contain cadmium or hexavalent chromium. Meets EU requirements.

ALTERNATE SHELL MATERIAL AND FINISH CODES

Code	Shell Material	Shell Finish	Finish Specification	Salt Spray Hrs.	Electrical Conductivity	RoHS[1]
C	Alum	Anodize, Black	MIL-PRF-8625	48	Non-Conductive	✓
E[2]	Alum	Chem Film, Gold	MIL-DTL-5541	168	Conductive	
J	Alum	Cadmium, Yellow	AMS-QQ-P-416	500	Conductive	
Z1	SST	Passivate	AMS2700	500	Conductive	✓
Z2	Alum	Gold	MIL-DTL-45204	48	Conductive	✓
ZM	SST	Electroless Nickel	AMS-C-26074	500	Conductive	✓
ZMT	SST	Nickel-PTFE	AMS2454	1000	Conductive	✓
ZW	SST	Cadmium, Olive Drab	AMS-QQ-P-416	500	Conductive	
ZZR	SST	Zinc-Nickel, Black	ASTM B841	500	Conductive	✓

[1] Does not contain cadmium or hexavalent chromium. Meets EU requirements.
[2] Maximum temperature = +125°C

© 2026 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • Series 79 Connectors
Dimensions in Inches (millimeters) are subject to change without notice.

Specifications

Construction

Contacts	Copper alloy, gold over nickel finish
Hood, socket contact	Stainless steel, passivated
Clip, contact retaining	Beryllium copper
Clip, insert retaining	Beryllium copper
Insulators	High performance thermoplastic
Grommet and face seal	Fluorosilicone/silicone blend
Shell	Aluminum
O-ring	Fluorosilicone
EMI spring	Beryllium copper, electroless nickel plated
EMI shroud (90° PCB)	Aluminum
Encapsulant (PCB)	Epoxy
Hardware	Stainless steel, passivated

Ratings

Voltage (DWV)	Size 23 contacts: 750 VAC Datalink contact outer body to shell: 1800 VAC (ungrounded insert) Quadrax and Ochito inner contact: 500 VAC
Current Rating	Size 23 contacts: 5 amps
Operating Temperature	-65 to +150 °C
Durability	500 mating cycles
Datalink differential Impedance (nom.)	Quadrax: 100 ohms Ochito white, red: 100 ohms Ochito blue: 90 ohms

Product Specifications

Description	Requirement	Procedure
Contact Resistance	SAE AS39029 Table V	EIA-364-06
Low Level Contact Resistance	SAE AS39029 Table IV	EIA-364-23
Insulation Resistance	5000 megohms minimum	EIA-364-21
Dielectric Withstanding Voltage	#23 contacts 750 volts	EIA-364-20
Current Rating	#23: 5A	EIA-364-70 Method 1
Shell-to-shell Resistance	2.5 millivolt drop maximum (connector with EMI spring)	EIA-364-83
Shielding Effectiveness	100 – 1000MHz: >75 dB , 1 – 4GHz: >60dB, 4 – 10GHz: >40dB	EIA-364-66
Vibration, Sine	20 g	EIA-364-28 Test Condition IV
Vibration, Random	16.91 g rms	EIA-364-28 Test Condition VI Letter J
Mechanical Shock	300 g	EIA-364-27 Condition D
Thermal Shock	-65 to +150 °C	EIA-364-32 Test Condition IV,
Humidity	10 Day, +25 to +65° C	EIA-364-31 Method IV, Step 7b vibration deleted.
Mechanical Durability	500 mating cycles	EIA-364-09
Salt Spray	Plating code M: 48 hours, MT, ZR, N, TZ: 500 hours	EIA-364-26
Solderability, PC Tail Contacts	95% solder coverage. Smooth, bright and even finish.	EIA-364-52 Category 3, 8 hours steam aging
Resistance To Soldering Heat (PCB)	260° C, 10 seconds	EIA-364-56
Fluid Immersion	No damage from immersion in various fuels and oils.	EIA-364-10
Contact Retention	MIL-DTL-38999 Table XVIII	EIA-364-29
Contact Separation Force	SAE AS39029 Table 9	EIA-364-37
Magnetic Permeability	2 µ maximum.	EIA-364-54

© 2026 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • Series 79 Connectors
Dimensions in Inches (millimeters) are subject to change without notice.

Series 792 Polarization Keying Option

OPTIONAL POLARIZATION KEYS

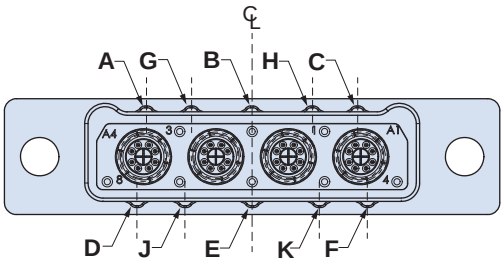
To prevent mis-mating of identical shell size and insert arrangement connectors

Series 792 connectors are available with an integral polarizing key. Keyed plug connectors have a raised boss on the shell. Receptacles have corresponding keyway. Ordering is simple—just add the keying position letter designator to the end of the part number.

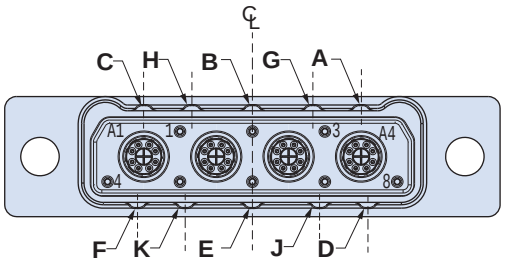
Note: keyed receptacles will mate with unkeyed plugs.

HOW TO ORDER		
Step 1	**Create a Series 792 connector part number:**	**792-001SD-4G4MS**
Step 2	**Add the keying position letter designator A, B, C, D, E, F, G, H, J, or K to the part number.**	**792-001SD-4G4MS*B***

MOD-1104 POLARIZING KEY LOCATIONS
PLUG CONNECTOR MATING FACE



MOD-1104 POLARIZING KEY LOCATIONS
RECEPTACLE CONNECTOR MATING FACE



KEY LOCATIONS

Key Position Offset From Vertical Centerline

Shell Size	Position A		Position B		Position C		Position D		Position E		Position F		Position G		Position H		Position J		Position K	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
A	.025	0.64	.000	.00	.025	0.64	.100	2.54	.000	.00	.100	2.54	POSITIONS G, H, J AND K ARE NOT AVAILABLE FOR SHELL SIZES A, B AND C							
B	.200	2.29	.000	.00	.200	2.29	.325	8.26	.000	.00	.325	8.26								
C	.375	9.53	.000	.00	.375	9.53	.500	12.70	.000	.00	.500	12.70								
D	.550	13.97	.000	.00	.550	13.97	.600	15.24	.000	.00	.600	15.24	.315	8.00	.315	8.00	.350	8.89	.350	8.89
E	.700	17.78	.000	.00	.700	17.78	.750	19.05	.000	.00	.750	19.05	.315	8.00	.315	8.00	.350	8.89	.350	8.89
F	.700	17.78	.000	.00	.700	17.78	.750	19.05	.000	.00	.750	19.05	.315	8.00	.315	8.00	.350	8.89	.350	8.89

© 2026 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • Series 79 Connectors
Dimensions in Inches (millimeters) are subject to change without notice.