

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 793 Dual-Bay



793-001

Plug, Panel Mount, Horizontal, Crimp

- ◆ Rear panel mounting
- ◆ Socket contacts
- ◆ Crimp termination

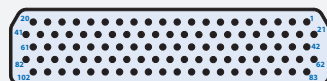


Dual bay blind mating. Space-saving 793-001 connector features high-density, high current and high frequency capabilities, saves size and weight compared to legacy rack-and-panel types. Connector has two inserts. Machined shell has groove for attaching backshell 799-015. Size 23 contacts are included with connector; power contacts (#8, #12 or #16) or coaxial RF contacts (#12 and #16) are ordered separately. Pin contacts are recessed to protect them from damage. Connectors become non-scoop proof at parallel horizontal angles of entry from 16°–47°.

- Aerospace-grade high-density rack-and-panel connector
- Dual bay horizontal
- Environmental
- M39029-type crimp, rear-release contacts

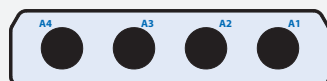
INSERT ARRANGEMENTS

Identification numbers are mating face of plug (socket) connector



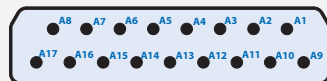
102

102 #23 Contacts



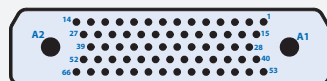
4W4

4 #8 Contacts



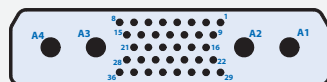
17W17

17 #16 Contacts



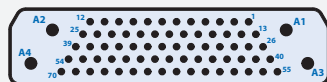
68W2

66 #23, 2 #12 Contacts



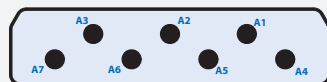
40W4

36 #23, 4 #12 Contacts



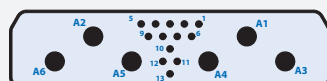
74W4

70 #23, 4 #16 Contacts



7W7

7 #12 Contacts



19W6

13 #23, 6 #12 Contacts

HOW TO ORDER

Sample Part Number	793-001S	A17W17	B102	M	G	B
Basic Part Number	793-001S Plug, Socket Contacts					
Bay "A" Insert Arr.	A102 A4W4 A17W17	A68W2 A40W4 A74W4	A7W7 A19W6			
Bay "B" Insert Arr.	B102 B4W4 B17W17	B68W2 B40W4 B74W4	B7W7 B19W6			
Shell Finish	M Electroless Nickel MT Nickel / PTFE N Olive Drab Cadmium TZ Tin-Zinc ZR Black Zinc-Nickel					
Hardware Option Table 1	P Female Jackposts G Guide Pins For blind mating B Guide Bushings For blind mating					
Polarization Key Option	Enter Letter Designator for Position A, B, C, or D per Mod Code 1502 (see page D-5 for details) Omit for none					

TABLE 1 HARDWARE OPTION

P Female Jackpost	G Guide Pin	B Guide Bushing

RATINGS

- Voltage (DWV): size 23 contacts 750 VAC, Size 8, 12 and 16: 1800 VAC
- Current: #23 5A, #16 13A, #12 23A, #8 46A
- Operating temperature: -65 to +150 °C
- Durability: 500 mating cycles
- Shock: 300 g
- Vibration: 20 g random
- Altitude immersion: 75,000 feet
- Ingress protection: IP67

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

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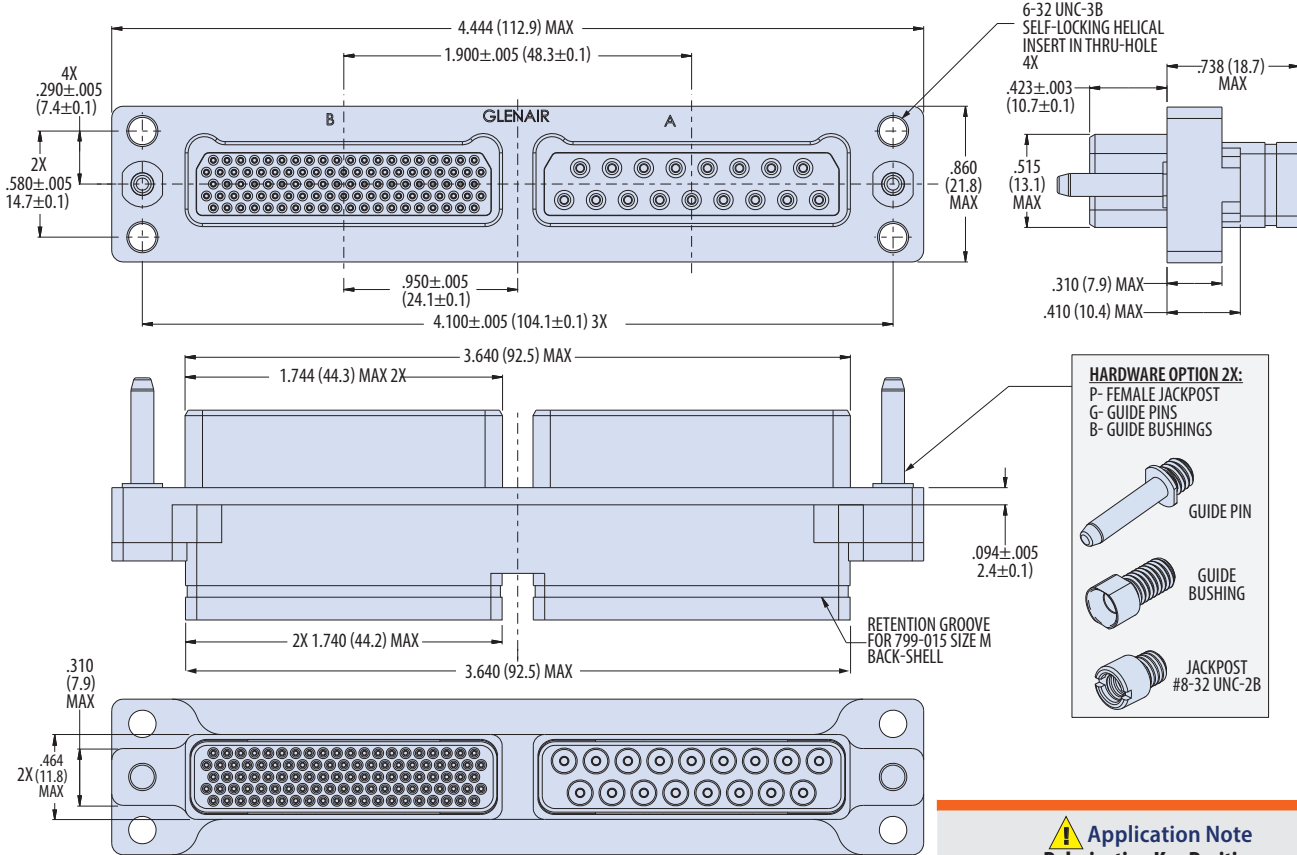
SERIES
793
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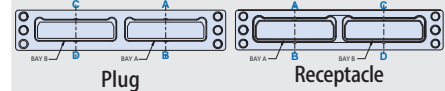
SERIES 793 DUAL-BAY



Application Note

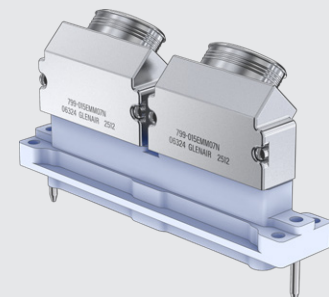
Polarization Key Positions

See Mod Code 1502 pg. D-5 for details



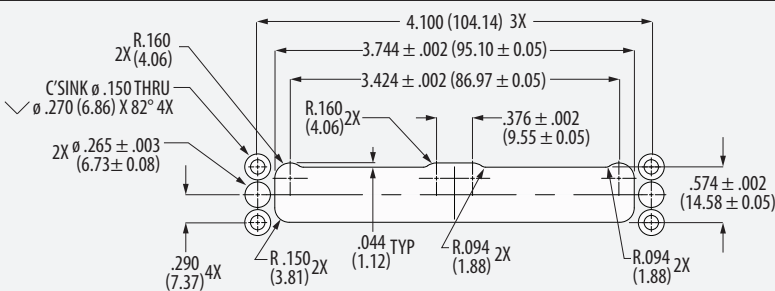
Application Note

EMI Banding Backshell for 793-001 connector



Use backshell part number 799-015 (Size M). Two backshells are required per connector. Two piece backshell has lip to lock into groove on connector. Available in top entry, side entry and 45° entry.

PANEL CUTOUT FOR REAR MOUNTING



CRIMP CONTACTS

Size 23 contacts are included with connector. Size 16, 12, and 8 contacts are not included and are ordered separately. See "Contacts and Tools" section for crimp tool info and coaxial contact ordering information.

Contact Size	Socket Contact Part No.	AWG Wire Size
23	809-002	22 – 28
16	857-448-16	16 – 20
12	857-448-12	12 – 14
8	850-138F	8