

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 793 Dual-Bay



793-001

Plug, Panel Mount, Horizontal, Crimp

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

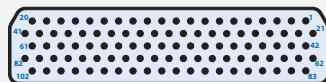


Dual bay blind mating. Space-saving 793-001 connector features high-density, high current and high frequency capabilities, saves size and weight compared to legacy rack-and-panel types. Connector has two inserts. Machined shell has groove for attaching backshell 799-015. Size 23 contacts are included 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°.

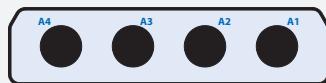
- Aerospace-grade high-density rack-and-panel connector
- Dual bay horizontal
- Environmental
- M39029-type crimp, rear-release contacts

INSERT ARRANGEMENTS

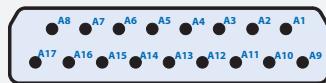
Identification numbers are mating face of plug (socket) connector



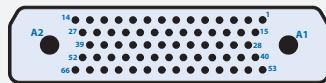
102
102 #23 Contacts



4W4
4 #8 Contacts



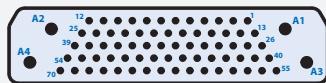
17W17
17 #16 Contacts



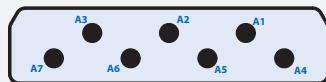
68W2
66 #23, 2 #12 Contacts



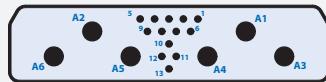
40W4
36 #23, 4 #12 Contacts



74W4
70 #23, 4 #16 Contacts



7W7
7 #12 Contacts

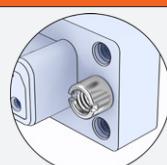


19W6
13 #23, 6 #12 Contacts

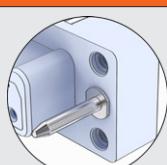
HOW TO ORDER

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 A7W7 A19W6 A74W4				
Bay "B" Insert Arr.	B102 B4W4 B17W17	B68W2 B40W4 B7W7 B19W6 B74W4				
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					

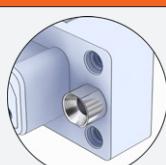
TABLE 1 HARDWARE OPTION



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 Dual-Bay

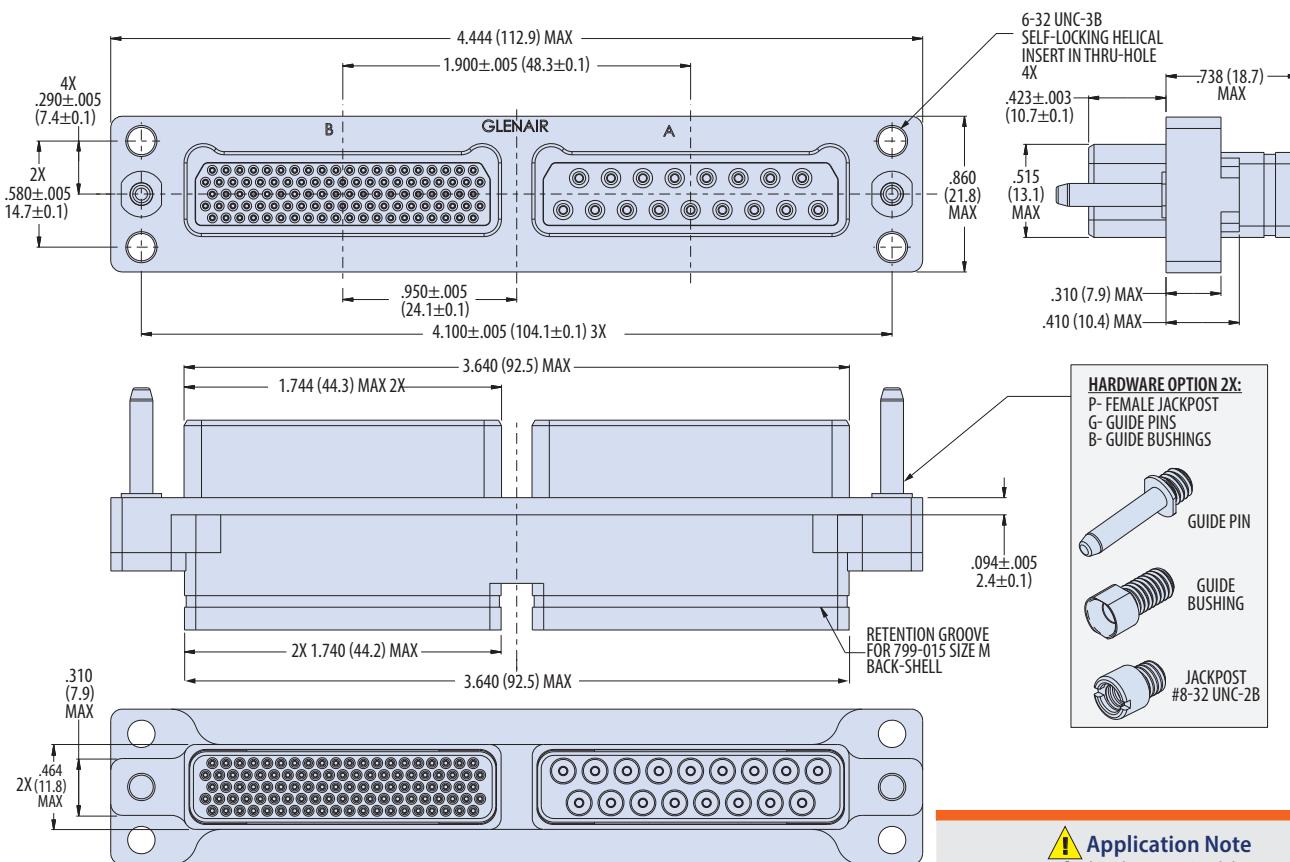
SERIES
793
Dual-Bay

793-001

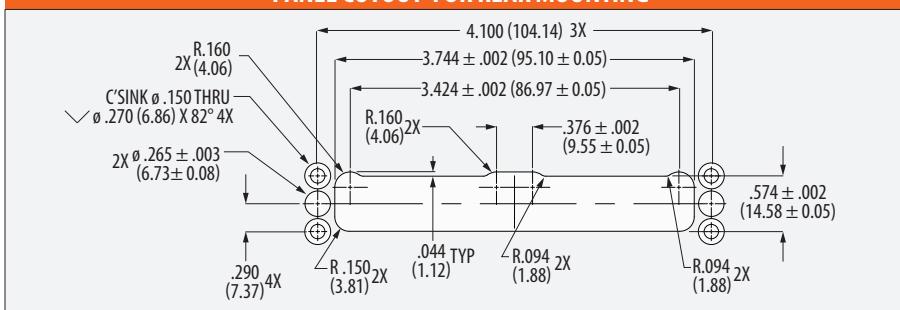
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- ◆ Rear panel mounting
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SERIES 793 DUAL-BAY



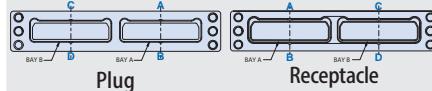
PANEL CUTOUT FOR REAR MOUNTING



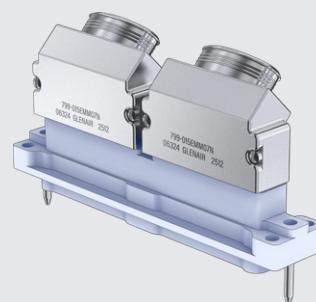
CRIMP CONTACTS

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

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 793-015 (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.