

MICRO-CRIMP RECTANGULAR CONNECTORS

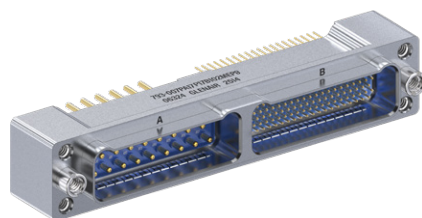
Series 793 Dual-Bay



793-007

Receptacle, Panel Mount, Horizontal, Straight PCB Tails

- ◆ Rear panel mounting
- ◆ Pin contacts
- ◆ PCB tails



Dual bay, blind mating, PC tails. Space-saving 793-007 connector features high-density and high current capabilities, saves size and weight compared to legacy rack-and-panel types. Connector has factory-installed straight PC tail contacts. PC tails are encapsulated with epoxy potting compound. Panel mounting holes and PCB mounting holes have stainless steel threaded inserts. Connectors become non-scoop proof at parallel horizontal angles of entry from 16°–47°.

- Aerospace-grade rectangular rack-and-panel connector
- Dual bay horizontal
- Environmental

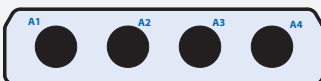
INSERT ARRANGEMENTS

Identification numbers are mating face of receptacle (pin) connector



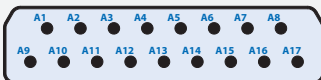
102

102 #23 Contacts



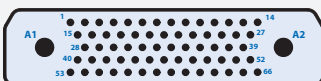
4W4

4 #8 Contacts



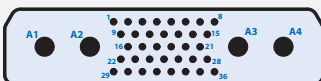
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17 #16 Contacts



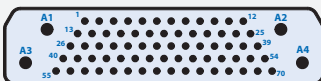
68W2

66 #23, 2 #12 Contacts



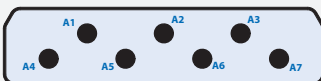
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36 #23, 4 #12 Contacts



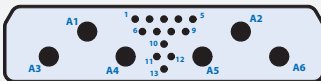
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70 #23, 4 #16 Contacts



7W7

7 #12 Contacts



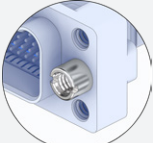
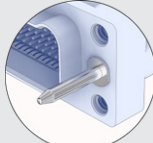
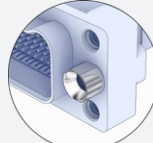
19W6

13 #23, 6 #12 Contacts

HOW TO ORDER

Sample Part Number		793-007P	A102	B7P7	M	E	B	A	B
Basic Part Number	793-007P		Receptacle, Pin Contacts						
Bay "A" Insert Arr.	A102 A4P4 A17P17	A68P2 A40P4 A74P4	A7P7 A19P6						
Bay "B" Insert Arr.	B102 B4P4 B17P17	B68P2 B40P4 B74P4	B7P7 B19P6						
Shell Finish	<u>M</u> Electroless Nickel								
	<u>MT</u> Nickel / PTFE								
	<u>N</u> Olive Drab Cadmium								
	<u>TZ</u> Tin-Zinc								
	<u>ZR</u> Black Zinc-Nickel								
EMI Spring	<u>E</u> EMI Spring								
	<u>N</u> No EMI Spring								
Hardware Option <i>Table 1</i>	<u>P</u> Female Jackposts								
	<u>G</u> Guide Pins <i>For blind mating</i>								
	<u>B</u> Guide Bushings <i>For blind mating</i>								
PC Tail Length	<u>A</u> .125 (3.2)								
	<u>B</u> .250 (6.4)								
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

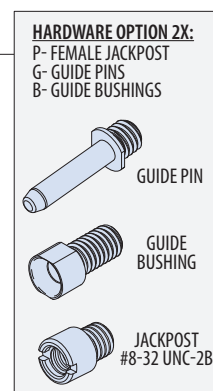
CONSTRUCTION

- Contacts: Copper alloy, gold over nickel finish
- Shell: Aluminum
- Insulators: High performance thermoplastic
- Ground spring: BeCu, electroless nickel plated
- Face seal: Fluorosilicone/silicone blend
- Hardware: Stainless steel
- Encapsulant: Epoxy

SERIES
793
Dual-Bay

Receptacle, Panel Mount, Horizontal, Straight PCB Tails ◆ Pin conta
◆ PCB tails

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Application Note
Polarization Key Positions
 See Mod Code 1502 pg. D-5 for details

The diagram illustrates the polarization key positions for a Plug and a Receptacle. The Plug has a 'C' key at the top and a 'D' key at the bottom. The Receptacle has a 'B' key at the top and a 'D' key at the bottom. The diagram is labeled 'Plug' and 'Receptacle'.

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Series 793 Dual-Bay

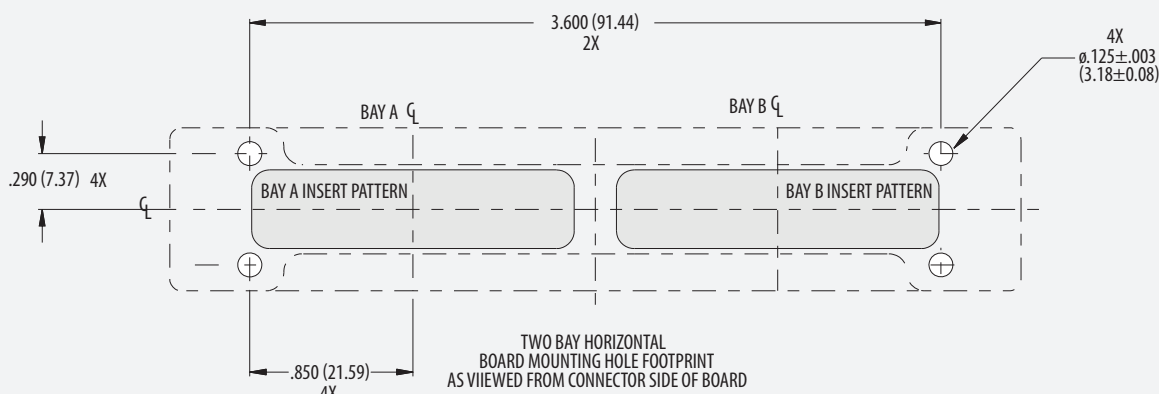


793-007

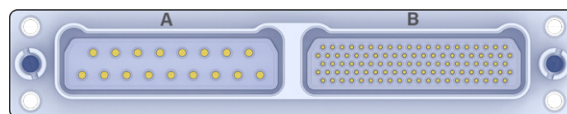
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PCB FOOTPRINTS FOR 793-007 CONNECTOR



PCB hole patterns below are shown for the **connector mounting side** of the circuit board.
Identification numbers are for receptacle (pin) connectors.



SERIES 793 DUAL-BAY

