

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 793 Dual-Bay



793-011

Plug, Panel Mount, Vertical, Straight PCB Tails

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

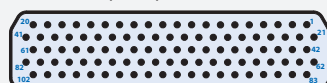


Dual bay, blind mating, PC tails. Space-saving 793-011 connector features high-density and high current capabilities, saves size and weight compared to legacy rack-and-panel types. Connector has factory-installed straight PC tail contacts. PC tails are encapsulated with epoxy potting compound. Panel mounting holes and PCB mounting holes have self-locking 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 vertical
- Environmental

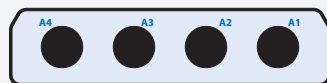
INSERT ARRANGEMENTS

Identification numbers are mating face of plug (socket) connector



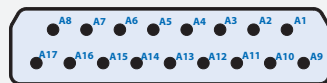
102

102 #23 Contacts



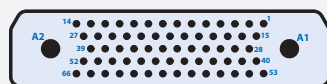
4W4

4 #8 Contacts



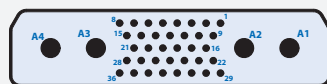
17W17

17 #16 Contacts



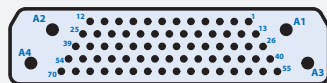
68W2

66 #23, 2 #12 Contacts



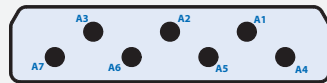
40W4

36 #23, 4 #12 Contacts



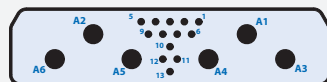
74W4

70 #23, 4 #16 Contacts



7W7

7 #12 Contacts



19W6

13 #23, 6 #12 Contacts

HOW TO ORDER

Sample Part Number		793-011S	A17P17	B102	M	G	A	B
Basic Part Number	793-011S		Plug, Socket 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							
Hardware Option Table 1	<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, D, E, F, G, H, J, K, L , or M 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
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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

- Socket Contacts: Copper alloy, gold over nickel finish. Stainless steel hood.
- Shell: Aluminum
- Insulator: High performance thermoplastic
- Encapsulant: Epoxy
- Hardware: Stainless steel

MICRO-CRIMP RECTANGULAR CONNECTORS

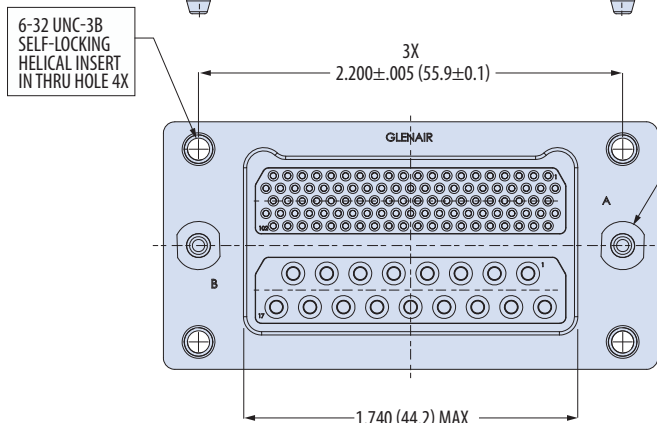
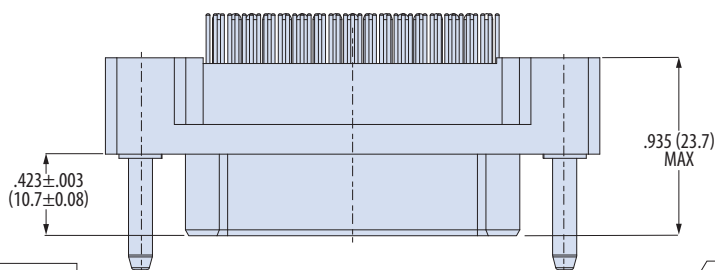
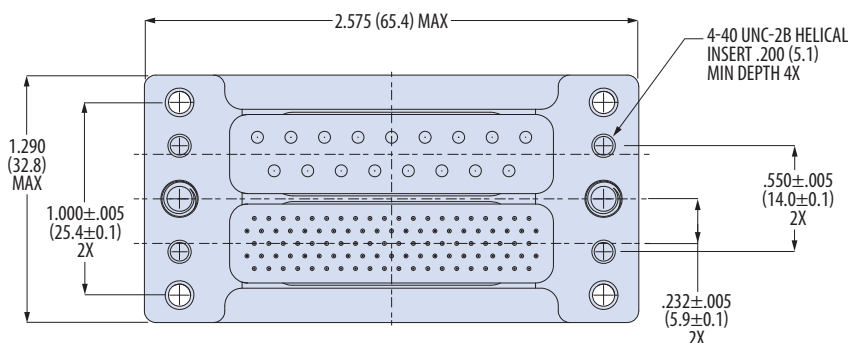
Series 793 Dual-Bay

SERIES
793
Dual-Bay

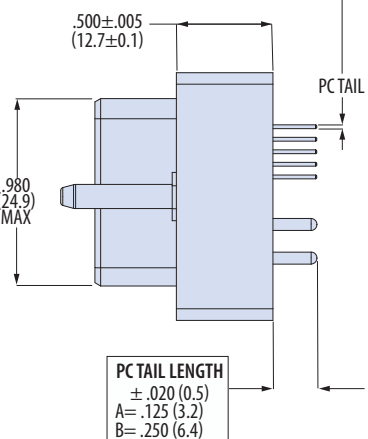
793-011

Plug, Panel Mount, Vertical, Straight PCB Tails

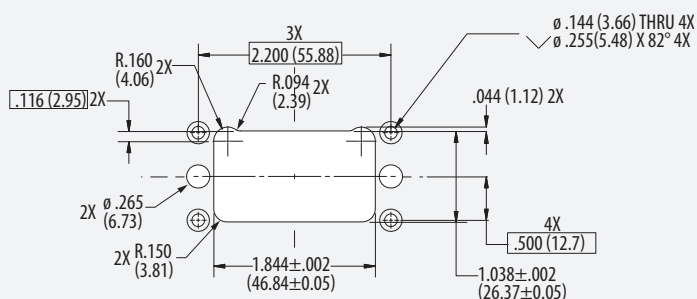
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PCTAIL Ø		
CONTACT SIZE	DIAMETER	
#23	.018/.022 (0.46/0.56)	
#16	.060/.064 (1.52/1.63)	
#12	.092/.096 (2.34/2.44)	
#8	.172/.182 (4.37/4.62)	



PANEL CUTOUT FOR REAR MOUNTING



Application Note

Polarization Key Positions

See Mod Code 1502 pg. D-5 for details



Plug



Receptacle

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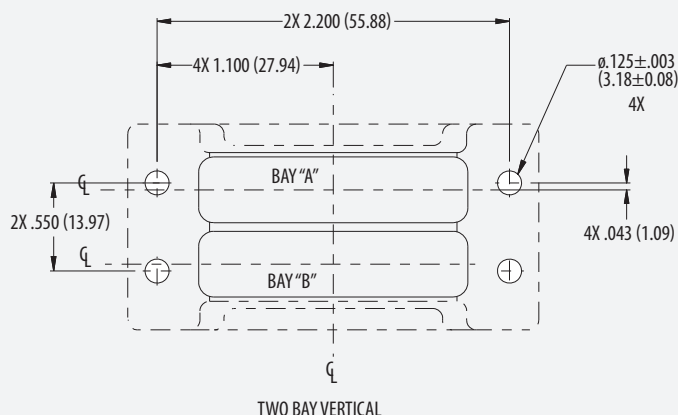


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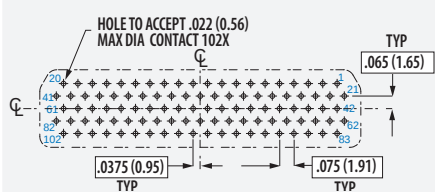
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PCB FOOTPRINTS FOR 793-011 CONNECTOR

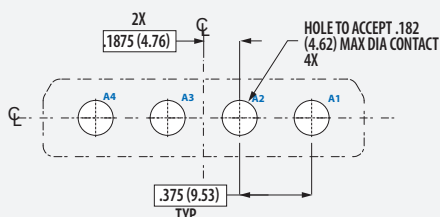


PCB hole patterns are for the **connector mounting side** of the circuit board.
Identification numbers are for P/N 790-011 plug with socket contacts.

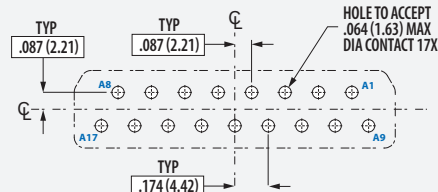
SERIES 793 DUAL-BAY



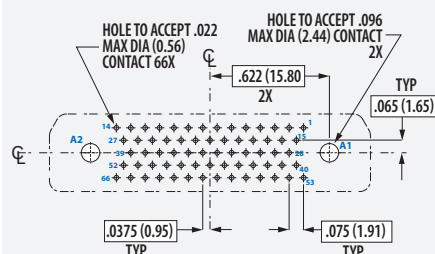
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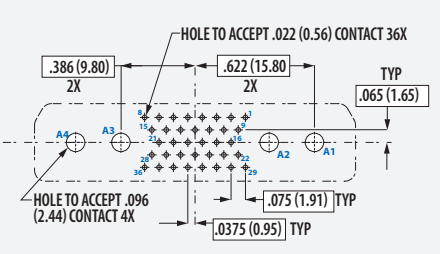
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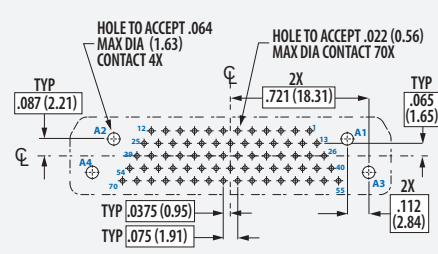
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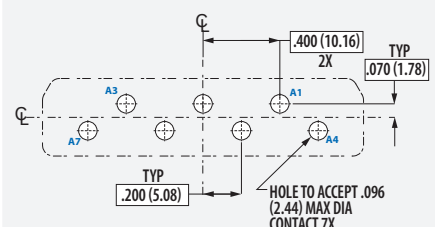
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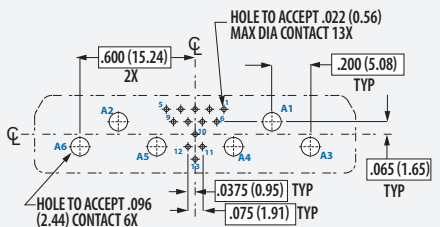
40P4



74P4



7P7



19P6