

793-019

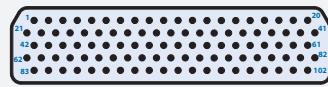
Receptacle, Cable Mount, Vertical, Crimp

- ◆ Cable mount
- ◆ Pin contacts
- ◆ Crimp termination



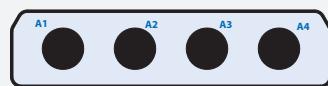
INSERT ARRANGEMENTS

Identification numbers are mating face of receptacle (pin) connector



102

102 #23 Contacts



4W4

4 #8 Contacts



17W17

17 #16 Contacts



68W2

66 #23, 2 #12 Contacts



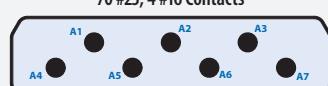
40W4

36 #23, 4 #12 Contacts



74W4

70 #23, 4 #16 Contacts



7W7

7 #12 Contacts



19W6

13 #23, 6 #12 Contacts

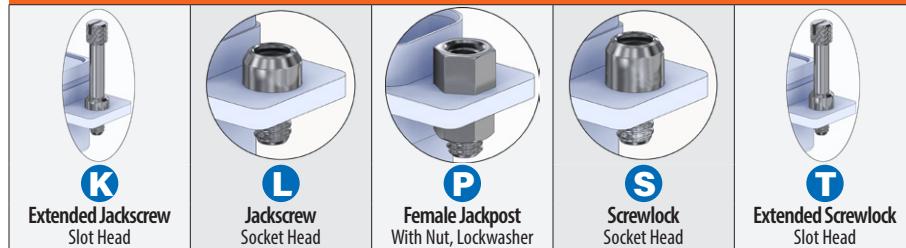
Dual bay cable mount. Space-saving 793-019 receptacle features high-density, high current and high frequency capabilities, saves size and weight compared to legacy rack-and-panel types. Machined scoop-proof shell has groove for attaching backshell. Size 23 contacts are included with connector; size 8, 12 or 16 contacts are ordered separately. Connectors become non-scoop proof at parallel horizontal angles of entry from 16°–47°.

- Aerospace-grade high-density rectangular connector with two inserts
- Scoop-proof polarization
- M39029-type contacts: crimp termination, rear-release

HOW TO ORDER

Sample Part Number		793-019P	A4W4	B102	M	E	P	B
Basic Part Number		793-019P Receptacle,Pin Contacts						
Bay "A" Insert Arr.		A102 A40W4	A68W2 A17W17	A7W7 A74W4	A4W4 A19W6			
Bay "B" Insert Arr.		B102 B40W4	B68W2 B17W17	B7W7 B74W4	B4W4 B19W6			
Shell Finish		M Electroless Nickel MT Nickel / PTFE N Olive Drab Cadmium TZ Tin-Zinc ZR Black Zinc-Nickel						
EMI Spring		E EMI Spring N No EMI Spring						
Hardware Option Table 1		N Thru-Hole No Hardware K Extended Jackscrews Slot head male L Jackscrews Socket head male P Female Jackposts S Screwlocks Socket head male T Extended Screwlocks Slot head male						
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 ONE HARDWARE OPTION



Screwlocks allow connector to be plugged in before the screws are tightened. Jackscrews must be tightened in order to mate connector.

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
- Wire grommet, face seal: Fluorosilicone/silicone blend
- Contact retaining clip: Beryllium copper, unplated
- Hardware: Stainless steel

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 793 Dual-Bay

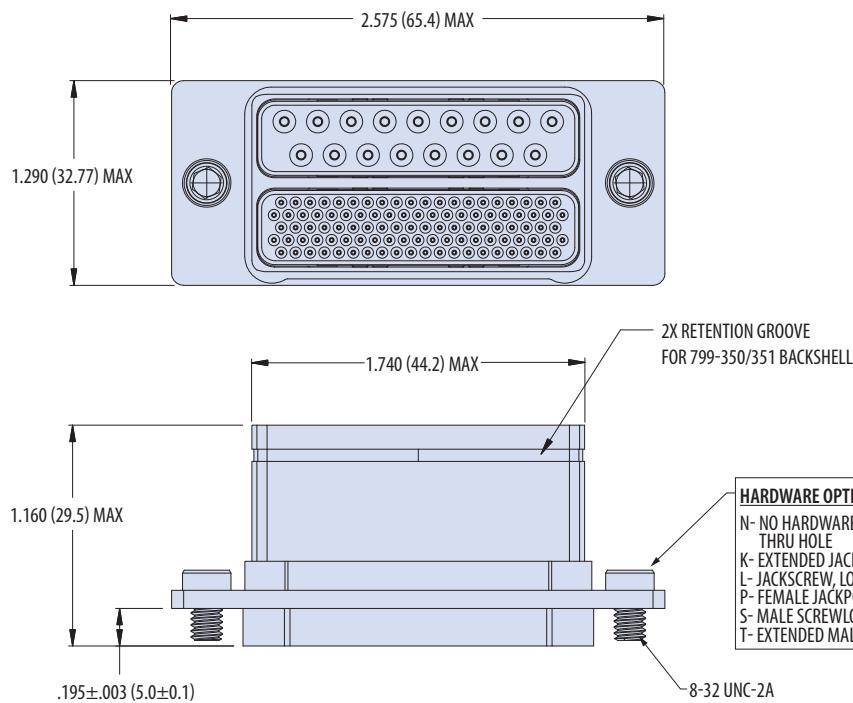
SERIES
793
Dual-Bay

793-019

Receptacle, Cable Mount, Vertical, Crimp

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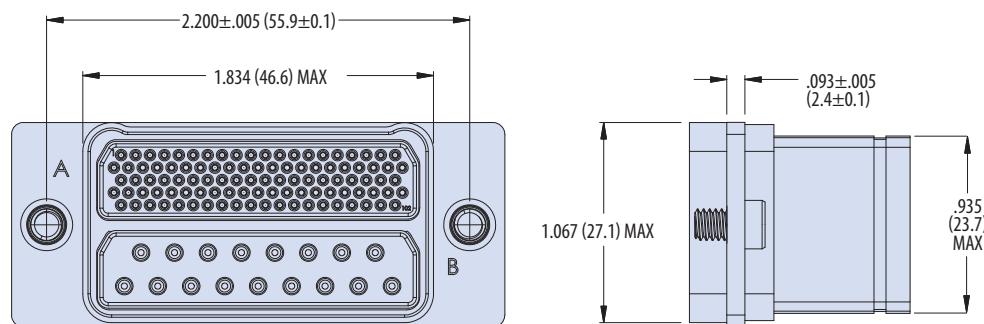
SERIES 793 DUAL-BAY



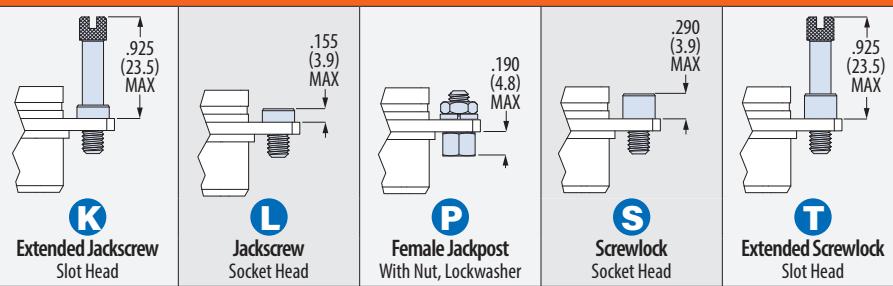
Application Note
EMI Banding Backshell for 793-019 connector



Use backshell part number 799-350 (dual port) or 799-351 (single port).
Two piece backshell has lip to lock into groove on connector. Available in top or side entry



HARDWARE DIMENSIONS



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	Pin Contact Part No.	AWG Wire Size
23	809-001	22 – 28
16	809-110 (M39029/58-364)	16 – 20
12	809-112 (M39029/58-365)	12 – 14
8	850-014F	8

Application Note
Polarization Key Positions

See Mod Code 1502 pg. D-5 for details

