

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 793 Dual-Bay

SERIES
793
 Dual-Bay

793-018

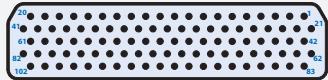
Plug, Cable Mount, Vertical, Crimp

- ◆ Cable mount
- ◆ Socket contacts
- ◆ Crimp termination



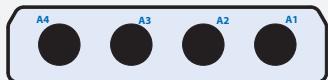
INSERT ARRANGEMENTS

Identification numbers are mating face of plug (socket) connector



102

102 #23 Contacts



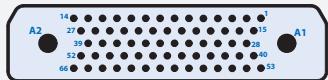
4W4

4 #8 Contacts



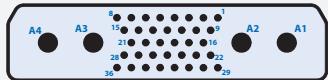
17W17

17 #16 Contacts



68W2

66 #23, 2 #12 Contacts



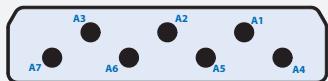
40W4

36 #23, 4 #12 Contacts



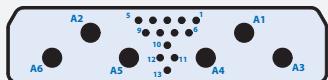
74W4

70 #23, 4 #16 Contacts



7W7

7 #12 Contacts



19W6

13 #23, 6 #12 Contacts

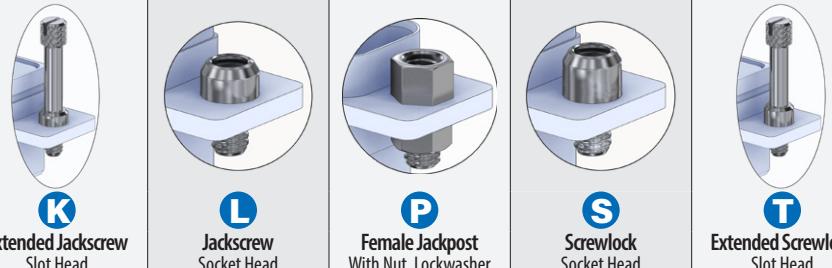
Dual bay cable mount. Space-saving 793-018 connector features high-density, high current and high frequency capabilities, saves size and weight compared to legacy rack-and-panel types. Connector has two inserts. Machined scoop-proof shell has groove for attaching backshell. Size 23 contacts are included 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 | 793-018S | A17W17 | B102 | M | L | B |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------|---------------|---|---|
| Basic Part Number | 793-018S | Plug, Socket 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 | | | | | |
| 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
- Wire grommet: Fluorosilicone/silicone blend
- Contact retaining clip: Beryllium copper, unplated
- Hardware: Stainless steel

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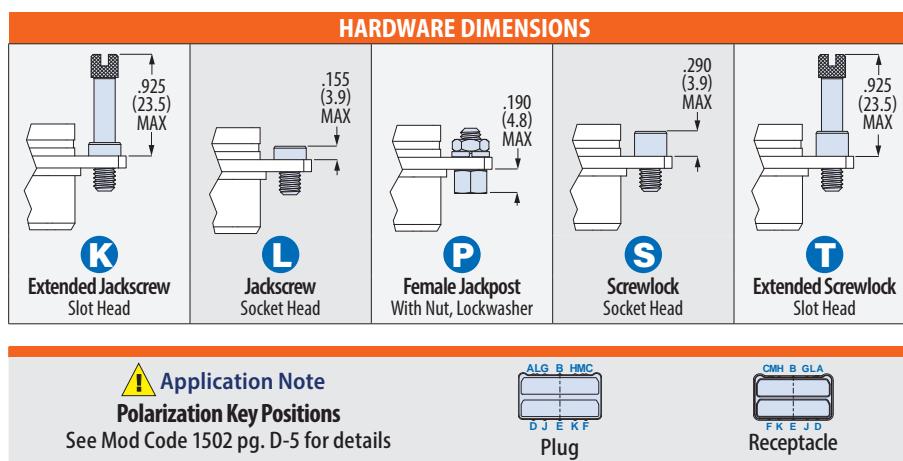
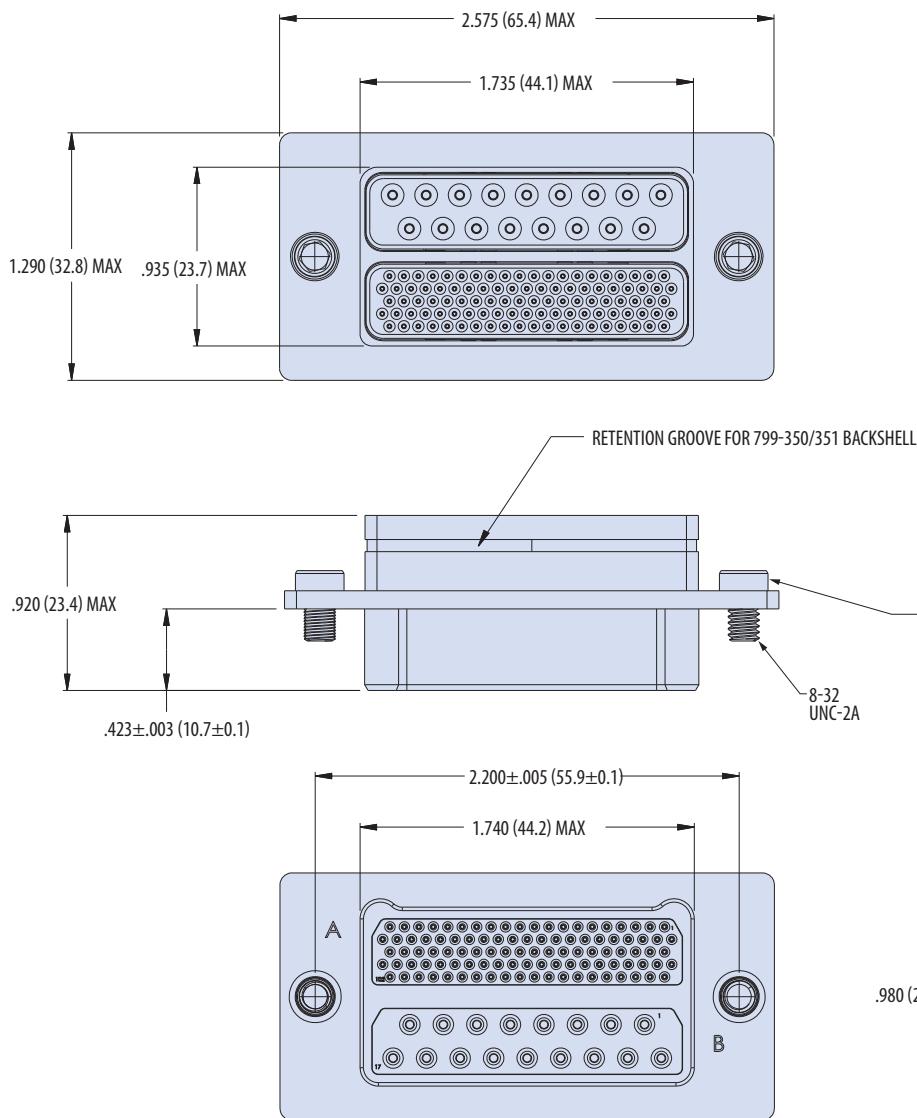
Series 793 Dual-Bay



793-018

Plug, Cable Mount, Vertical, Crimp

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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 |