

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 793 Dual-Bay



793-018

Plug, Cable Mount, Vertical, Crimp

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

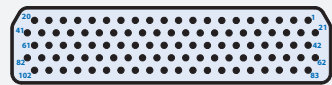


Dual bay cable mount. Space-saving 793-018 connector features high-density, high current and high frequency capabilities, saves size and weight compared to legacy rack-and-panel types. Connector has two inserts. Machined scoop-proof shell has groove for attaching backshell. Size 23 contacts are included 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

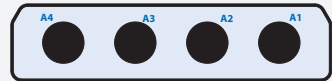
INSERT ARRANGEMENTS

Identification numbers are mating face of plug (socket) connector



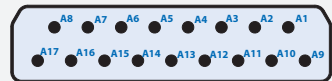
102

102 #23 Contacts



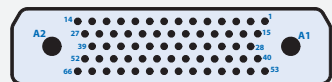
4W4

4 #8 Contacts



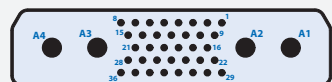
17W17

17 #16 Contacts



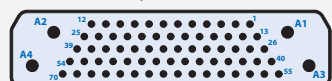
68W2

66 #23, 2 #12 Contacts



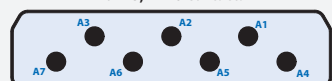
40W4

36 #23, 4 #12 Contacts



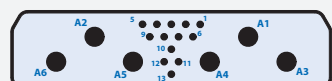
74W4

70 #23, 4 #16 Contacts



7W7

7 #12 Contacts



19W6

13 #23, 6 #12 Contacts

HOW TO ORDER

Sample Part Number	793-018S	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 <i>No Hardware</i> K Extended Jackscrews <i>Slot head male</i> L Jackscrews <i>Socket head male</i> P Female Jackposts S Screwlocks <i>Socket head male</i> T Extended Screwlocks <i>Slot head male</i>					
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

K Extended Jackscrew Slot Head	L Jackscrew Socket Head	P Female Jackpost With Nut, Lockwasher	S Screwlock Socket Head	T Extended Screwlock Slot Head

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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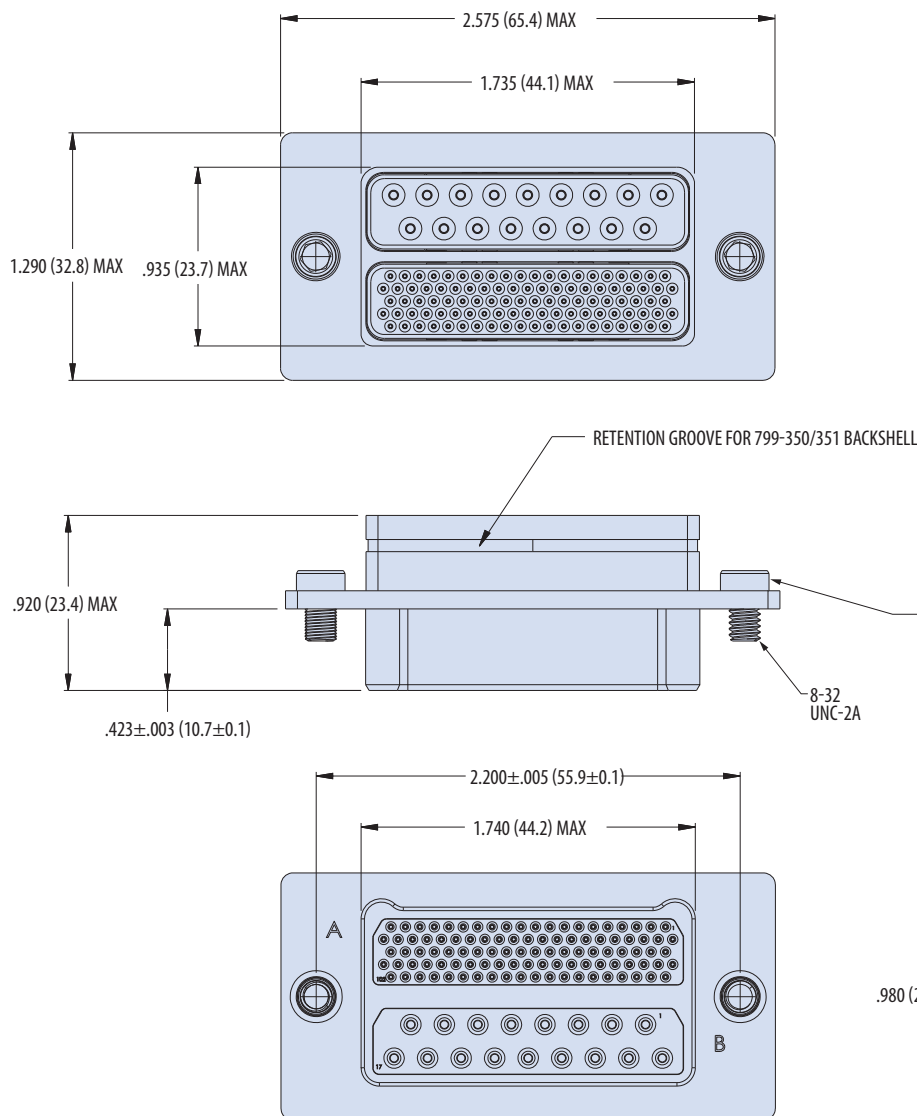
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793-018

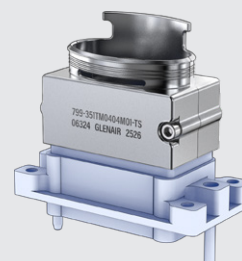
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Application Note

EMI Banding Backshell for 793-018 connector

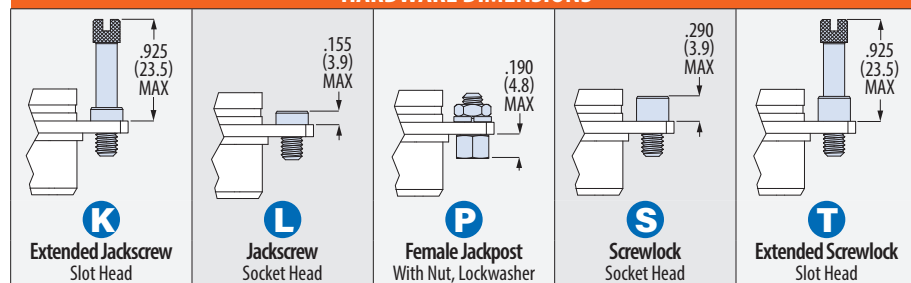


Use backshell part number 799-350 (dual port) or 799-351 (single port). Two piece backshell has lip to lock into groove on connector. Available in top or side entry

HARDWARE OPTION 2X:

N- NO HARDWARE: .200 (5.1) DIAMETER THRU HOLE
K- EXTENDED JACKSCREW, SLOT HD
L- JACKSCREW, LOW PROFILE SKT HD
P- FEMALE JACKPOST
S- MALE SCREWLOCK, LOW PROFILE SKT HD
T- EXTENDED MALE SCREWLOCK, SLOT HD

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	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



Plug



Receptacle