Glenair®

Series 793 Features and Insert Arrangements

Series 793 Dual-Bay

The Series 793 connector is a high reliability aerospace-grade rectangular connector with two inserts for up to 204 contacts. The 973 connector saves size and weight compared to legacy rack-and-panel types. The tight-tolerance scoop-proof shell and recessed contacts guarantee accurate alignment and trouble-free service. Contact sizes are #23, #16, #12, and #8 in eight insert arrangements.

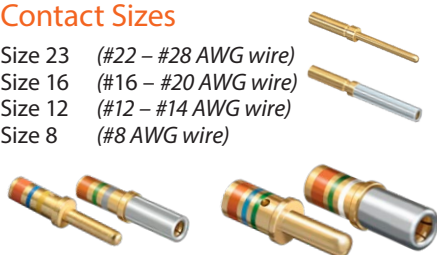## Connector Types

Crimp, Rear Release
793 connectors have metal retention clips inside the contact cavities. Wired contacts snap into connector bodies and can be removed with a release tool. Size 23 contacts are included with connector. Other sizes are ordered separately.

PCB Termination
793 connectors are available in straight tail or 90° PCB versions. Connectors have factory-installed PCB terminals. Terminals are epoxy sealed and are compatible with conformal coatings.

Contact Sizes

Size 23   (#22 – #28 AWG wire)
Size 16   (#16 – #20 AWG wire)
Size 12   (#12 – #14 AWG wire)
Size 8   (#8 AWG wire)

Panel Mounting

Space-saving Series 793 connectors are designed for rear panel installation. Panel mounting holes have stainless steel #6-32 self-locking threaded inserts.
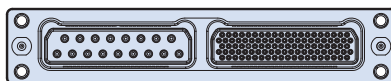
Environmental Protection

793 crimp connectors have fluorosilicone wire grommets and interfacial seals for ingress protection. PCB versions have epoxy-sealed terminals.
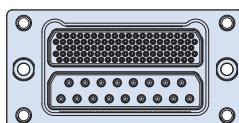
Horizontal or Vertical

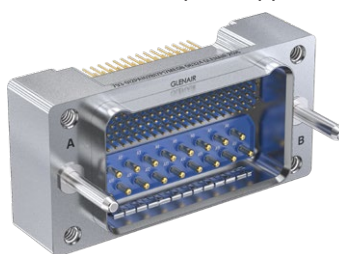793 connectors have two inserts arranged side-by-side or top-and-bottom:

Horizontal

Vertical

Blind Mating

Series 793 connectors have precision machined shells and guide pins for use in blind mate rack-and-panel applications.

EMI Shielding

Ground Springs
Optional ground springs provide low, stable shell-to-shell resistance. Available on 793 receptacles.

90° PCB Shroud
Right angle PCB connectors have a metal shroud over contact tails for EMI shielding.
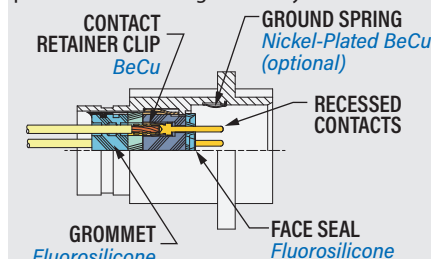
EMI Backshell
Crimp connectors have grooves for attaching EMI backshells. Terminate cable shield to backshell with *BandMaster ATS*® band strap.

Hardware Options

Hardware options include guide pins, jackscrews or screwlocks.

Scoop-Proof Interface Series 793 pin contacts are recessed to protect them from damage. Connectors become non-scoop proof at parallel horizontal angles of entry from 16°–47°.

CONTACT RETAINER CLIP *BeCu*
GROUND SPRING *Nickel-Plated BeCu (optional)*
RECESSED CONTACTS
GROMMET *Fluorosilicone*
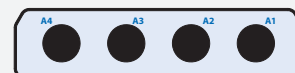FACE SEAL *Fluorosilicone*

INSERT ARRANGEMENTS

Identification numbers are mating face of plug (socket) connector
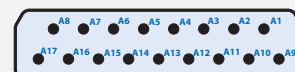

102
102 #23 Contacts

4W4
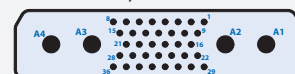4 #8 Contacts

17W17
17 #16 Contacts

68W2
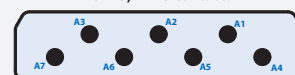66 #23, 2 #12 Contacts

40W4
36 #23, 4 #12 Contacts

74W4
70 #23, 4 #16 Contacts

7W7
7 #12 Contacts

19W6
13 #23, 6 #12 Contacts