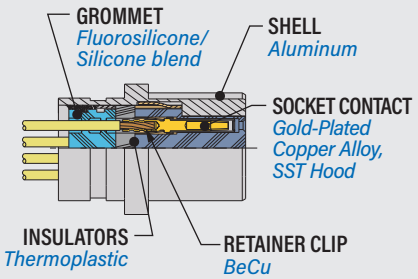
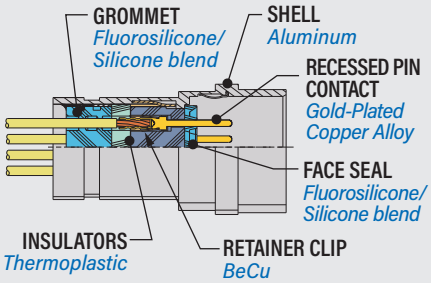
Series 791 Features

Cable Plug (socket contacts)



Cable Receptacle (pin contacts)

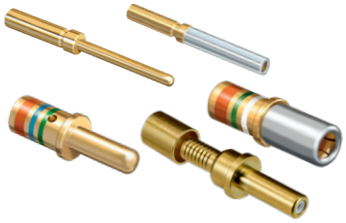


Series 791 Scoop-Proof

The Series 791 connector is a lightweight, high-density, high performance aerospace-grade rectangular connector with improved EMI shielding and environmental protection. The 791 features a rugged two lobe shell and M39029-type contacts. Pin contacts are recessed to protect from damage. Dozens of mixed signal/power/coax arrangements provide the ultimate in versatility for a wide range of applications.

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)*



Contact Types

Crimp

Snap-in, rear-release crimp contacts conform to AS39029 requirements and are supplied loose. Terminate contact with M22520 hand crimper, install in connector with insertion/ removal tool.

PC Terminals

Printed circuit board contacts are epoxy-sealed and are non-removable.

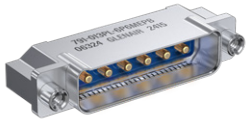
Coax Contacts

Series 791 connectors are available with 50 or 75 ohm coax contacts, sizes 12 and 16. Coax contacts are ordered separately.

EMI Shielding

Ground Spring

791 receptacle connectors have an optional nickel-plated beryllium copper EMI spring.



Metal-to-Metal Shell Bottoming

When fully mated, the leading edge of the receptacle shell seats onto the plug flange, eliminating EMI apertures.

Panel Bonding

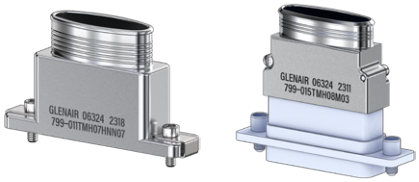
791 panel mount connectors have a conductive O-ring option for improved panel bonding.

PCB Shroud

791 right angle PCB connectors have a metal shroud over PC tails for EMI shielding.

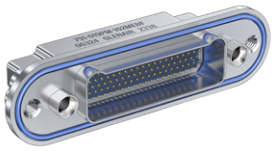
EMI Backshell

Lightweight banding backshells provide shielding. Split piggyback banding adapters seat into groove on connector shell for maximum shielding and minimum weight.



Environmental Protection

Crimp-type 791 connectors have a fluorosilicone wire sealing grommet. PCB versions have epoxy-sealed terminals and are compatible with conformal coatings. Receptacles have a fluorosilicone face seal. Panel mount versions have an O-ring for IP67 ingress protection.



Panel Mounting

Series 791 panel connectors are designed for easy installation onto boxes and modules. The connector flange has blind threaded mounting holes. Hardware is factory-installed with threadlocking compound. Flat head countersink mounting screws are included with connector.

Blind Mating

Series 791 connectors are available with guide pins for blind mate applications. Float mount versions are available.

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Dimensions in Inches (millimeters) are subject to change without notice.