SERIES
79
SEVENTY-NINE

The widest range of
mission-critical interconnect
technologies in the world

Glenair®

**Micro-Crimp Series 79, 791, 792**
**Crimp-Contact Micro Rectangular Connectors**

# Series 79: Original Design, Lowest Profile Version of the Micro-Crimp Series

## The Micro-D Connector with Crimp Contacts: Power, Signal and RF

- Incorporates labor-saving crimp contact technology into an innovative, precision-machined, high-density, module-to-chassis connector package

# Outstanding Performance

## Why users love the precision-machined Series 79

- Labor-saving, crimp-contact Micro-D
- Ultra low-profile (non scoop-proof)
- Robust EMI shielding and sealing compared to standard D-subs
- Cable, panel-mount and PCB versions
- High-density size #23 crimp contacts
- Snap-in Size #12 and #16 power and/or coax contacts in hybrid layouts
- Easy integration into high-reliability cable assemblies (no splicing or soldering)
- Guide pin versions (for blind mating)
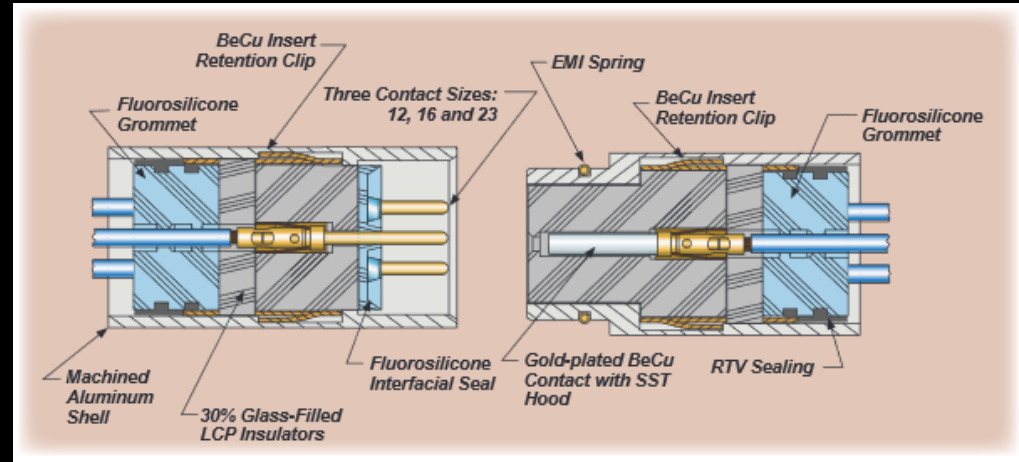
# Series 79 Supported Crimp Contacts

## The main difference compared to standard Micro-D's

- Snap-in size #23 crimp contacts on .075 inch (1.9 mm) high-density spacing
- 5 amp current capacity
- Snap-in size #12 and #16 power contacts in hybrid layouts
- 13 and 23 amp current capacity
- Snap-in size #12 and #16 coaxial contacts
- 50 Ohm matched impedance versions
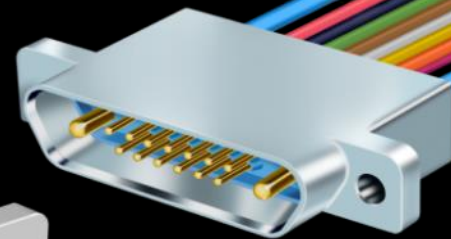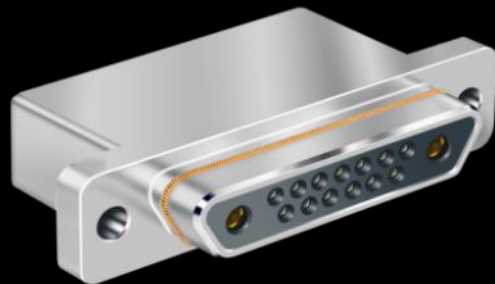- PCB versions with non-removable contacts (Size #23, #16 and #12)

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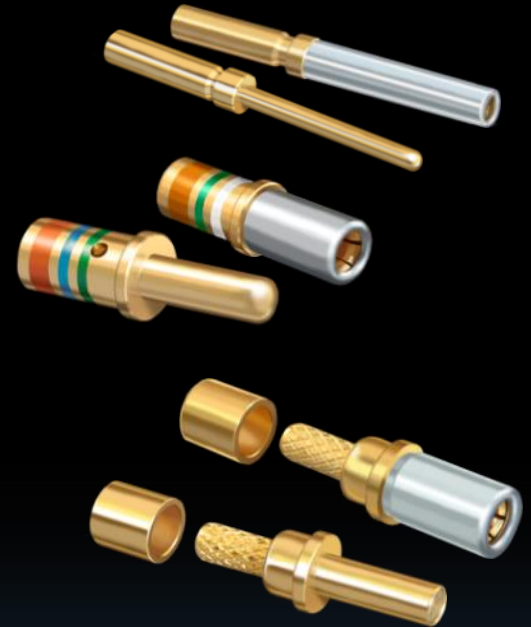
SEVENTY-NINE

# Series 79 Micro-Crimp Connector Styles

## Cable and Panel Mount Versions

- Cable Connectors:
  - 790-024P Receptacles
  - 790-025S Plugs
  - 790-045P Receptacles
  - 790-046S Plugs
- Panel Mount Connectors:
  - 790-026P Receptacles
  - 790-027S Plugs

# Series 79 Micro-Crimp Connector Styles

## Straight and Right Angle PCB

- Straight PCB Connectors:
    - 790-028P Panel Mount Receptacle
    - 790-043P Free-Standing Receptacle
    - 790-029S Panel Mount Plugs
    - 790-044S Free-Standing Plugs
- Right Angle PCB Connectors:
    - 790-036P Panel Mount Receptacle
    - 790-014P Free-Standing Receptacle
    - 790-037S Panel Mount Plugs
    - 790-042S Free-Standing Plugs



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# Series 79 Micro-Crimp Insert Arrangements

# Series 79 Micro-Crimp Accessories

## Reliable EMI and Environmental Backshells

- Standard and low-profile EMI backshells for easy braid attachment

- Panel mount EMI backshells with banding porch for Band-Master ATS® shield termination

- Protective covers

# Series 791

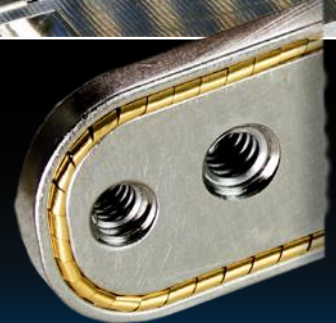Next-generation (scoop-proof) micro rectangular connector for demanding aerospace applications

# Series 791 Micro-Crimp Rectangular

## What's Different About the 791 Compared to the 790?

1. New Dual Lobe Shell
2. Recessed Pins (scoop proof)
3. Larger Screw Sizes
4. Protected Ground Spring
5. Panel O-ring
6. Integral Band Platform

# Next-Generation (Scoop-Proof) Series 791



- Dual-lobe mating interface prevents uneven mating / un-mating that can result in bent leads
- Precision-machined scoop-proof shells
- Expanded range of insert arrangements compared to series 790
- Leaf-spring grounding fingers on pin side receptacles
- Banding porch version available
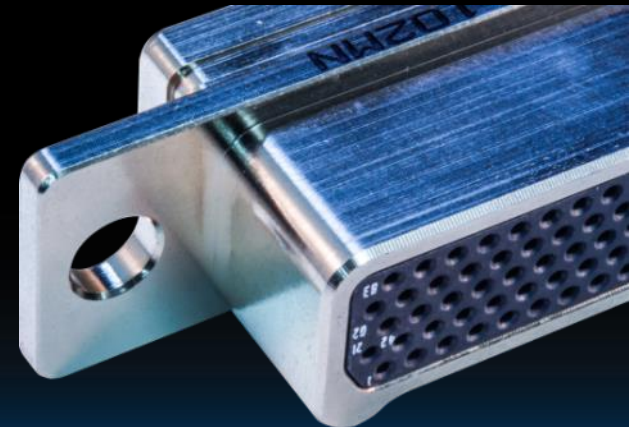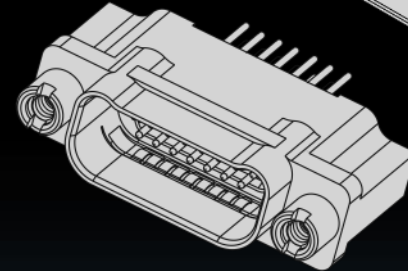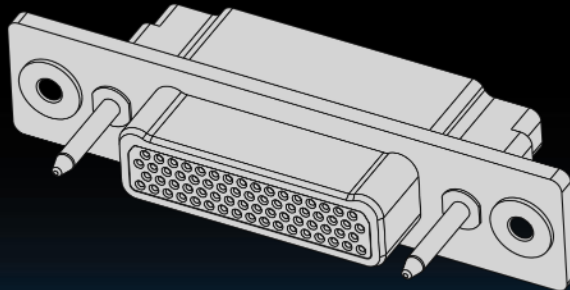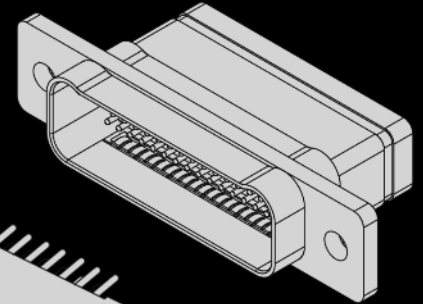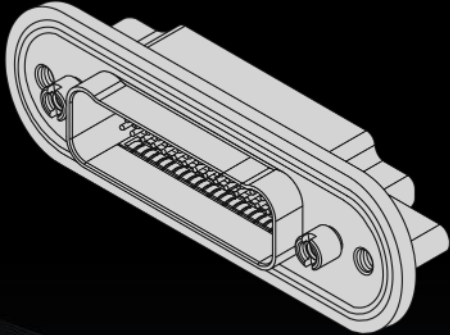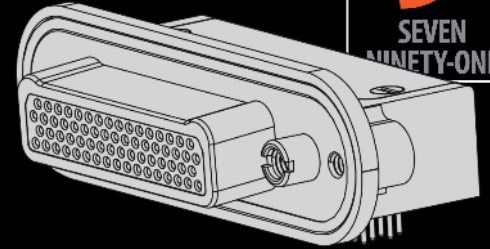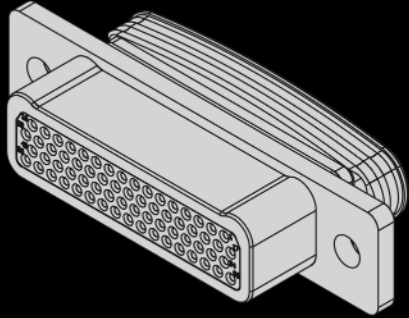
# Series 791 Micro-Crimp Rectangular

**Styles, Options**
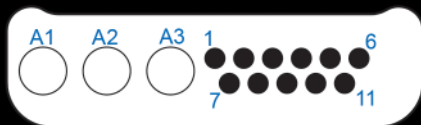
12 shell sizes, 37 arrangements
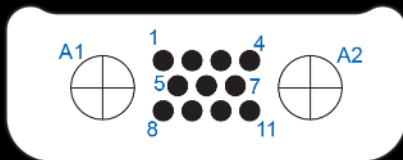
Plugs have socket contacts

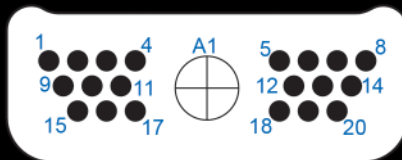Receptacles have pin contacts

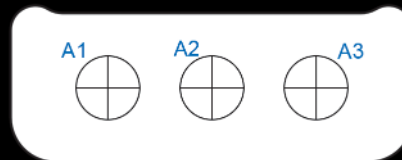# Series 791 Micro-Crimp Rectangular

## New Series 791 Insert Arrangements

Series 792

The next-generation mil-aero rectangular for high-speed datalink applications
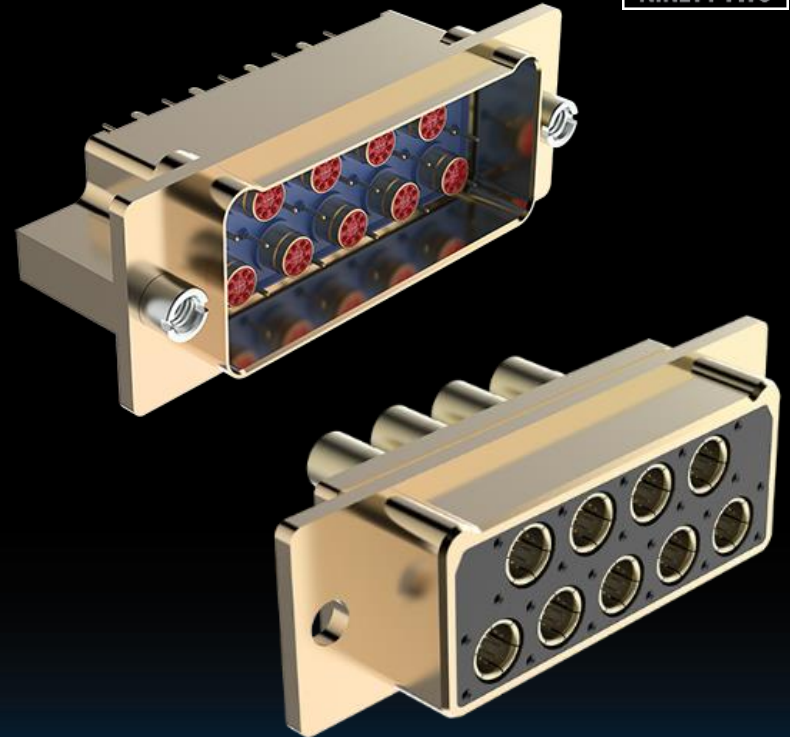
# Series 792

## The next-generation mil-aero rectangular for high-speed datalink applications

- Size 8 Datalink inserts accommodate El Ochito, Quadrax, differential and concentric Twinax, and Coax

- Combo inserts also accommodate #23 for signal and/or power (5 Amps)

- Optional ground-spring equipped shells for EM compatibility

- Right angle PC tail patterns limited to shell sizes A – E (single row)

- Rack-and-panel versions with integral guide pins and panel-mount sealing



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# Series 792 Insert Arrangements

## 12 insert arrangements, 6 shell sizes
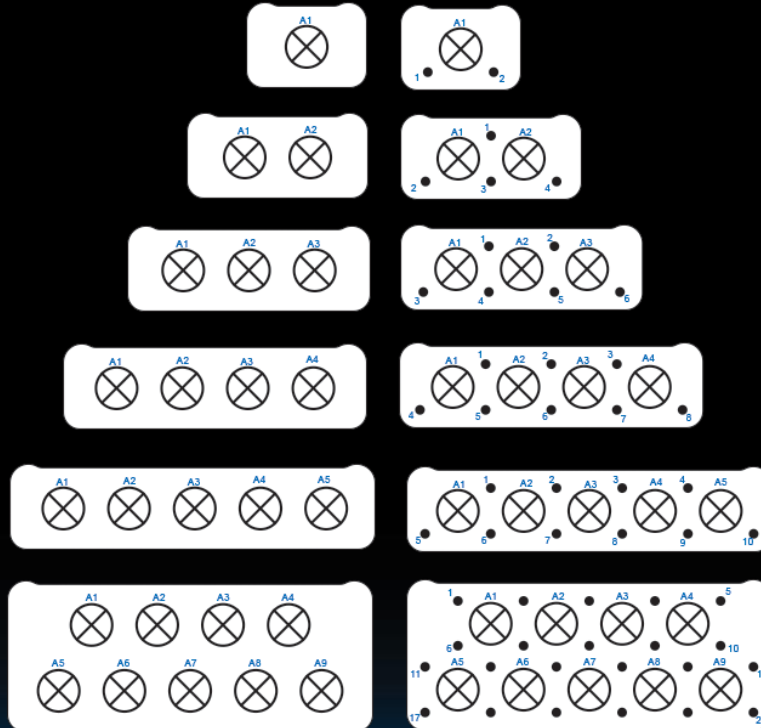
# Series 792 Packaging

## Scoop-proof Series 792 with El Ochito contacts

# Series 79 / 791 / 792 Micro-Crimp Applications and Markets

- Military / commercial aerospace
- Military communication systems
- Space vehicles
- Satellites
- Blind mate backplane and panel applications
- UAVs
- Missiles

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