

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 790 High-Density



Series 790 Features



Series 790 High-Density

The Series 790 is a lightweight, high-performance aerospace-grade rectangular with the highest ratio of contacts-to-connector packaging in the Series 79 family. The 790 combines a modified M83513-type Micro-D shell with M39029-type contacts. Dozens of mixed signal/power/coax arrangements provide the ultimate in versatility for a wide range of applications, with improved EMI shielding and environmental protection.

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 contacts with M22520 crimp tool.



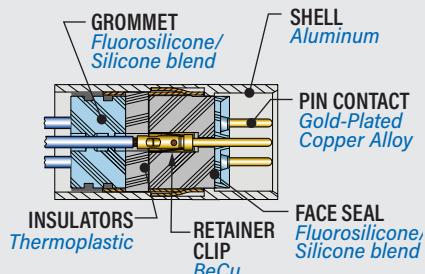
PCB Terminals

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

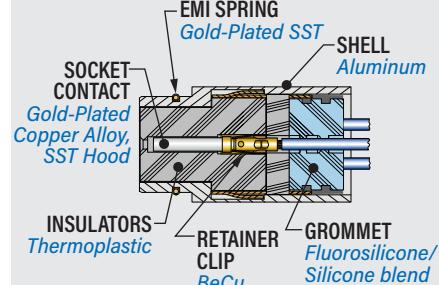
Coax Contacts

Series 790 connectors are available with 50 and 75 ohm coax contacts, sizes 12 and 16.

Crimp Receptacle (pin contacts)



Crimp Plug (socket contacts)



EMI Protection

Canted Coil Spring

790 plug connectors have an optional gold-plated stainless steel EMI spring.

Conductive Panel Gasket

790 panel mount connectors have silver-plated, aluminum-filled fluorosilicone gaskets for improved panel bonding.

90° PCB Shroud

790 right angle PCB connectors have a metal shroud over contact tails for EMI shielding.



EMI backshell

Lightweight banding backshells provide shielding. Split piggyback banding adapters seat into groove on connector shell.



EMI Filter

Filtered Series 790 connectors attenuate unwanted signals. These ceramic filter array connectors feature solder cup or PC tail contacts.



Environmental Protection

790 connectors have rear grommets for wire sealing and face seals for interface protection. PCB versions have epoxy-sealed terminals. A conductive fluorosilicone gasket provides panel ingress protection.



Panel Mounting

Space-saving Series 790 connectors are designed for easy installation onto boxes and modules. The connector flange has blind threaded mounting holes and a conductive fluorosilicone gasket for ingress protection.



Blind Mating

Series 790 connectors are available with guide pins for blind mate applications. Float mount versions are also available.