

These versatile and widely used PCB connectors are an inexpensive filtering method that eliminates the problem of conductive electromagnetic interference (EMI).

Chip-cap plug and receptacles are available in 9, 15, 25 and 37 positions. These connectors are "drop-in" replacements for non-filtered D-subminiature connectors with matched PCB footprints. Housings are made of UL 94V-0 rated thermoplastic material. Low cost front metal shells are compatible with full metal-shell threaded insert mating hardware. Integral boardlocks secure posted connectors to the PC board, prior to soldering.

#### **Features**

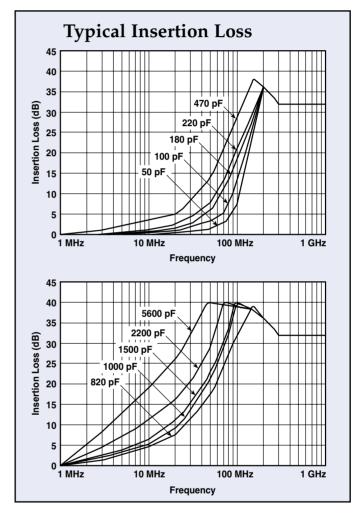
- Offer economical, high performance EMI/RFI protection
- Matched .318", .405" and .590" PCB footprints mean "Drop-in" replacement for non-filtered connectors
- Chip capacitors on a PC board
- Connectors have industry standard interface
- Connector housing made of UL 94V-0 rated high temperature, thermoplastic
- Connector body is recognized under the Component Program of Underwriters Laboratories, Inc.
- Connector body is certified by the Canadian Standards Association

#### **Mechanical Specifications**

Front Shell	Steel, tin plated
Housing	94V-0 rated thermoplastic, black
Eyelets	Brass, tin plated
Threaded Inserts	Zinc
Boardlocks	Copper alloy, tin-lead plated
Pin Contacts	Brass
Socket Contacts	Phosphor Bronze
Contact Plating	Duplex plated as follows: 15uin (.38um) gold on mating end, with

entire contact 50uin (1.27um) min. nickel underplated.

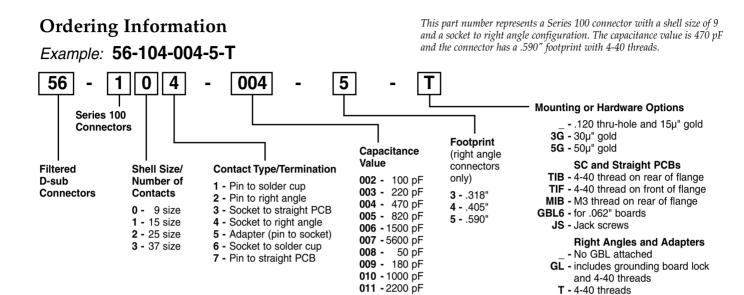




#### **Performance Specifications**

Current Rating	. 5 Amps
Contact Resistance	8 Milliohms max.
Capacitance	50, 100, 180, 220, 470, 820 1,000, 1,500, 2,200, 5,600 pF and 47 nF ± 20%
Dielectric Withstanding Voltage	700 VDC min. for 5 sec.
Insulator Resistance	500 Megohms min. @ 100 VDC
Working Voltage	. 200 VDC



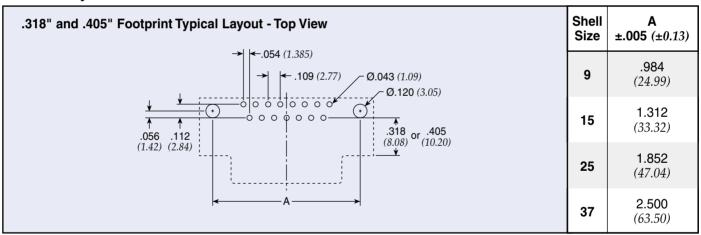


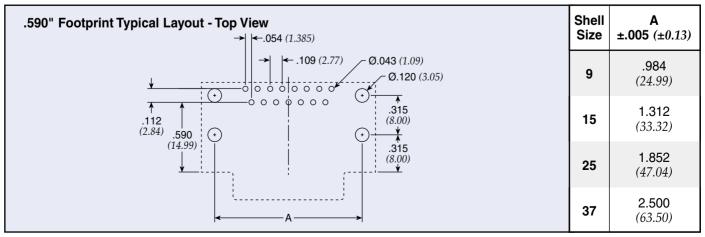
012 -

47 nF

GB - no board locks J - jack screws M - M3 thread

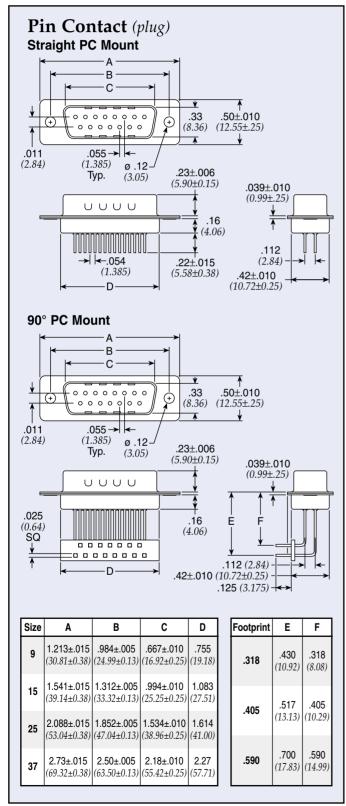
#### **Board Layouts**

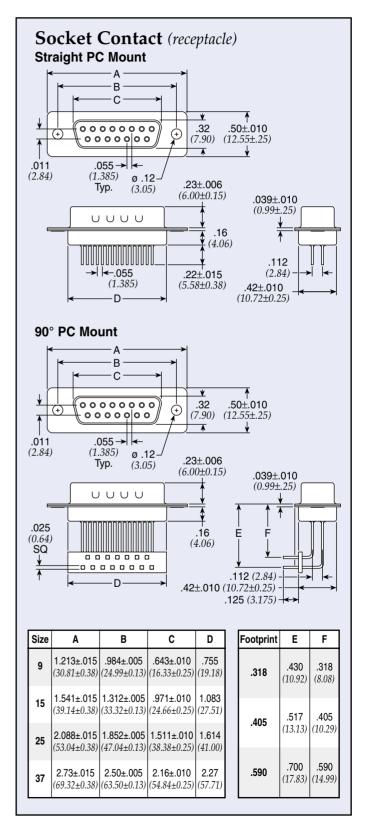




Dimensions in inches (mm)



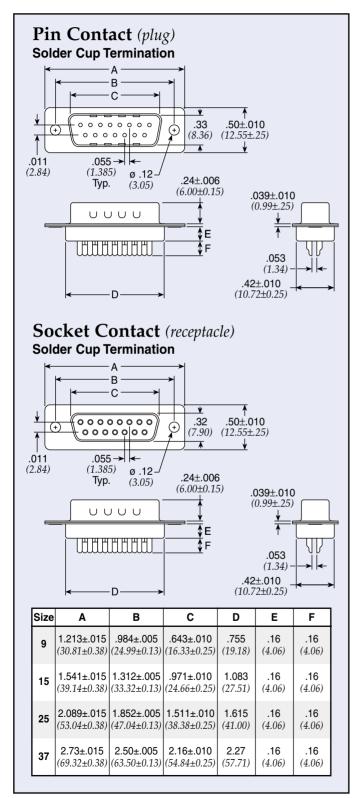


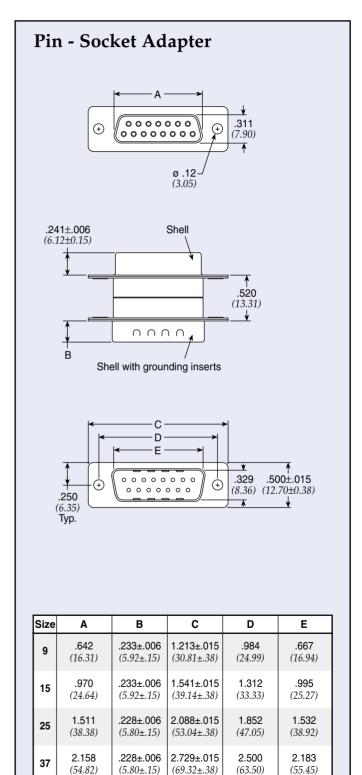


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