



How filter adapters are constructed

Filtered adapters provide a cost effective method for reducing electromagnetic interference (EMI) and can help to avoid costly product redesigns. L-com offers two styles of filtered adapters, Ferrite and Capacitive.

Ferrite



Detail of ferrite block



Ferrite block



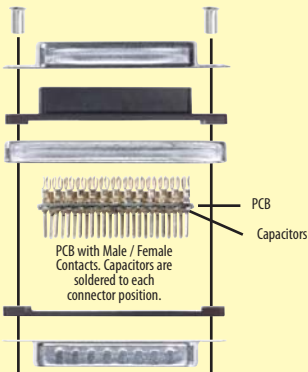
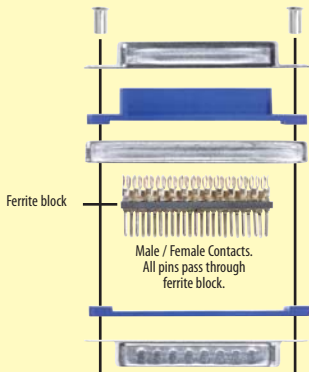
Capacitive



Detail of PCB with contacts and capacitors



PCB



Mating Hardware
Durability Mating / Unmating
Temperature Rating
Current Rating
Capacitors (Ceramic)

Brass, Nickel Plated
Approx. 100 cycles
-55°C to 105°C
5 amps max.
820 pf ± 10%
Voltage 100 VDC
500 VDC, 1 minute
500m Ohms @ 100 VDC

Dielectric Withstanding Voltage
Insulation Resistance

Components

Hollow Rivet

Female Connector Shell

Female Connector Housing

Metal Shield

Contacts

Male Connector Housing

Male Connector Shell

Materials

Steel / Tin Plated

Steel / Tin Plated

Glass filled PBT, UL94 V-0 rated

Steel / Tin Plated

Brass / gold flash plated

Glass filled PBT, UL94 V-0 rated

Steel / Tin Plated