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Ferrite Filter (EMI) Adapter, DB9 Male / Female

Features for this product

- Ferrite block reduces EMI/RFI in existing designs
- Wired straight through for compatibility
- Gold plated contacts provide reliable connections with repeated mating cycles
- UL grade 94V-0 connector insulator satisfies flammability requirements
- Also available in male to female gender combinations in DB15, DB25 & DB37 sizes



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L-com is ISO 9001:2008
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GSA

L-com's male-female filtered adapters are a viable solution for companies that need to rework (retrofit) existing designs in their effort to reduce data destroying EMI/RFI. Easy installation and low cost have saved many engineers from costly re-designs. Similar to standard socket savers, except these adapters add a unique ferrite block that surrounds the contacts for instant EMI/RFI reduction. Four D-sub sizes available - DB9, DB15, DB25 and DB37. Also available in kit form that contains 1 of each; part number DGF100K.

Details for this D-Subminiature product

L-com Item # DGF9MF
Manufacturer L-com
ASIN # [\(More\)](#) B000AA2P30
UPC # [\(More\)](#) 822335020276
RoHS Status [RoHS Compliant](#) [\(More\)](#)



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[2D Drawing \(.pdf\)](#)

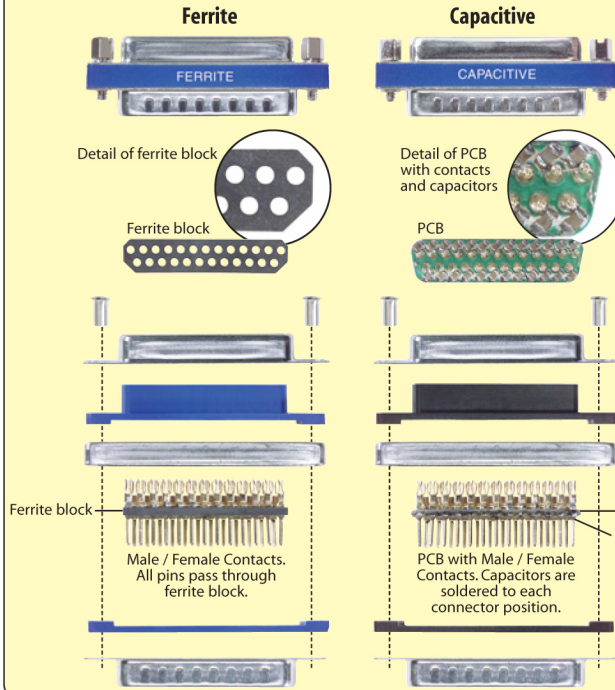


[3D CAD Model \(.step\)](#)



Tip *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**.



Mating Hardware	Brass, Nickel Plated
Durability Mating / Unmating	Approx. 100 cycles
Temperature Rating	-55°C to 105°C
Current Rating	5 amps max.
Capacitors (Ceramic)	820 pF ± 10% Voltage 100 VDC
Dielectric Withstanding Voltage	500 VDC, 1 minute
Insulation Resistance	500m Ohms @ 100 VDC

Components	Materials
Hollow Rivet	Steel / Tin Plated
Female Connector Shell	Steel / Tin Plated
Female Connector Housing	Glass filled PBT, UL94 V-0 rated
Metal Shield	Steel / Tin Plated
Contacts	Brass / gold flash plated
Male Connector Housing	Glass filled PBT, UL94 V-0 rated
Male Connector Shell	Steel / Tin Plated

Item #	Description	1-9	10-24	25-99	100-249	250-499
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✓ Slim-Line Block Ferrite Filter Adapters - Eliminate Problem EMI in Computing Devices

L-com's plug-receptacle feed-thru adapter is a viable alternative solution for companies that need to rework (retrofit) existing designs in their effort to meet FCC regulations. Use these filtered D-Sub adapters where it's necessary to limit electromagnetic interference (EMI). Easy installation, economical cost, low profile and fully shielded. Four D-Sub sizes available, supplied with male/female hardware. Engineer's kit is also available and contains one of each adapter in a plastic carrying case.

- [DGF9M](#) Ferrite Filter (EMI) Adapter, DB9 Male / Female
- [DGF15MF](#) Ferrite Filter (EMI) Adapter, DB15 Male / Female
- [DGFC25MF](#) Ferrite Filter (EMI) Adapter, DB25 Male / Female
- [DGF37MF](#) Ferrite Filter (EMI) Adapter, DB37 Male / Female
- [DGF100K](#) Engineer's Kit with 4 EMI Adapters

✓ Slim-Line Ceramic Capacitive Filter Adapters - For Excellent, Economical Noise Removal

Filtering is the simplest method of removing unwanted interference from within a circuit. A capacitive filter is built into a male/female D-Sub adapter that provides an easy-to-use retrofit adapter. Although reasonably priced, there is a cost associated with capacitors and that is signal degradation, particularly in CMOS circuits with extremely low signal levels. Systems that transmit strong signals and can tolerate moderate loss are well suited for capacitive filtering. Our compact design allows an extremely low profile of only 0.2". Individual capacitance on each pin is 820pF. Also available in an engineer's kit of 4 adapters.

- [DGF9M](#) Capacitive Filter (EMC) Adapter, DB9 Male / Female
- [DGFC15MF](#) Capacitive Filter (EMC) Adapter, DB15 Male / Female
- [DGFC25MF](#) Capacitive Filter (EMC) Adapter, DB25 Male / Female
- [DGF37MF](#) Capacitive Filter (EMC) Adapter, DB37 Male / Female
- [DGFC100K](#) Engineer's Kit with 4 EMC Adapters

✓ D-Sub Gender Changer Assortment Kit - Never Have a Mismatched Data Cable Again

Always have the right gendered cable when making equipment changes out in the field. Each of these assortment kits have a total of 8 adapters for just about every D-Sub cable correction. DGB1010K includes: DB9, DB15, DB25 and DB37; the DGBH1010K high-density kit includes DGBH15, DGBH26, DGBH44 and DGBH62, each in male/male and female/female versions. The total price of these kits is less than the total cost of individual gender changers. These slimline gender changers are all shielded construction and are extremely compact. These kits are a must for every technician. Packaged in a high impact seven compartment carry box.

- [DGB1010K](#) Slim-Line Gender Changer Kit, 8 Pieces
- [DGBH1010K](#) Hi-Density Gender Changer Kit, 8 Pieces

✓ Slim-Line Loopback Test Plugs - Emulate Working Conditions for Your Testing Needs

- [DMA019S](#) Slim-Line Parallel Loopback Plug, DB25 Male
- [DMA021T](#) Slim-Line Loopback Plug, DB9 Female

✓ DB9 or HD15 Female Connector for Field Termination - Panel Mountable

The DGB9FT field termination female connector provides an easy and convenient way to perform field termination of any DB9 cable. Separate connection points are provided for all 9 positions of the connector. Terminal block design with set screws provides reliable electrical connections utilizing no special tools. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable for thickness up to 0.062".

- [DGB9F](#) DB9 Female Connector for Field Termination
- [DGBH15FT](#) SVGA HD15 Female Connector for Field Termination

2008 Master Catalog 1.0

