

EMI Shielding For D-SUB Connectors



I/O SHIELDING FOR ALL STANDARD SIZES.

Sized to fit standard D-Subminiature connectors, installation-friendly SCHLEGEL EMI shielding gaskets enhance the performance of EMI shielding for I/O backplanes. Made of highly conductive fabric clad foam, Schlegel Electronic Materials I/O EMI shielding gaskets provide multiple contact points to maintain conductivity and compensate for tolerance stackup. Pressure-sensitive adhesive is available, but not usually required for installation. There is no need to contend with sharp-edged metal shields — simply slip the gaskets over the connector and secure.

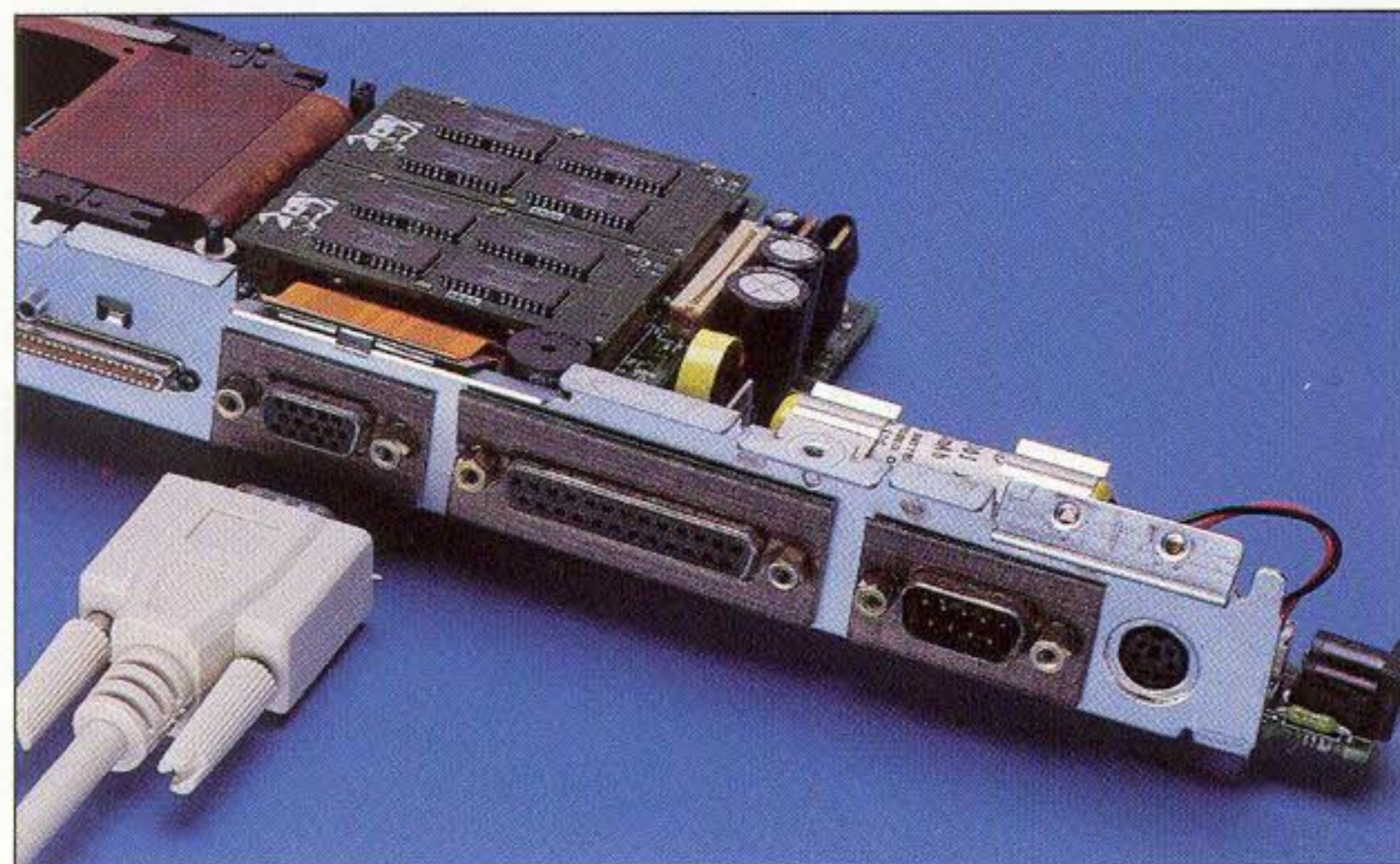
With no tooling costs, easy installation, and off-the-shelf availability, these gaskets are a simple and efficient solution to I/O EMI shielding.

Available D-SUB connector EMI shielding gaskets include:

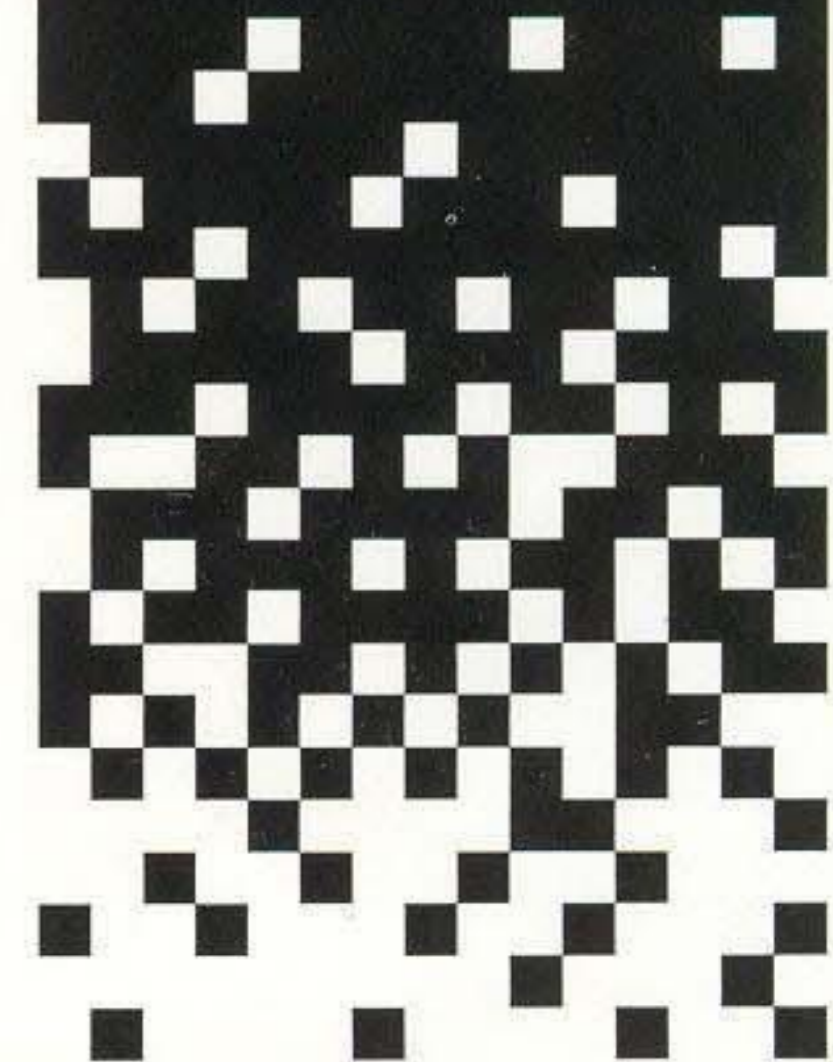
Description	Part #
9 Pin D-SUB .04" [1.0mm] thickness	E2919G-0131
9 Pin D-SUB .08" [2.0mm] thickness	E5819G-0131*
15 Pin D-SUB .04" [1.0mm] thickness	E2919G-0164
15 Pin D-SUB .08" [2.0mm] thickness	E5819G-0164*
25 Pin D-SUB .04" [1.0mm] thickness	E2919G-0219
25 Pin D-SUB .08" [2.0mm] thickness	E5819G-0219*
37 Pin D-SUB .04" [1.0mm] thickness	E2919G-0283
37 Pin D-SUB .08" [2.0mm] thickness	E5819G-0283*
50 Pin D-SUB .04" [1.0mm] thickness	E2919G-0274
50 Pin D-SUB .08" [2.0mm] thickness	E5819G-0274*

* Please use E5869 for V-O foam and E5819 for HB foam.

For more information on the cost-effective solutions D-SUB connector gaskets for EMI shielding offer, contact your Schlegel EMI representative.



Use Schlegel Electronic Materials gaskets for D-SUB connector EMI shielding and grounding applications.



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Specifications

The core of Schlegel EMI D-SUB connector I/O shielding gaskets is open-celled polyether polyurethane foam in a high-resiliency (HB) formula. Compression set of foam that is encapsulated is 1% at ambient temperature, <5% at 70°C (158°F) at 50% compression for 22 hours (ASTM D3574).

Material Specifications:

Fabric: Silver C² Metallized Fabric (Other claddings available. Contact your Schlegel EMI representative
Surface Resistivity (ASTM F390 modified): $\leq 0.5 \Omega/\square$ and $CpK \geq 2.0$

Shielding Effectiveness:

60 dB shielding performance of fabric per MIL-Std-285 in frequencies of 30 MHz to 1 GHz.
Shielding performance of 1/4" x 3/8" gasket per MIL-G 83528B in frequencies of 20 MHz to 10 GHz: **95 dB** (average).
Note: Gasket geometry and application determine actual shielding effectiveness.

Contact Resistance (Schlegel LP-3001): <1.0 Ω -inch at 1 Kg load/inch

Abrasion Resistance (ASTM D3886): No change in surface resistivity: 800,000 cycles