

Micro D-Sub Connectors for Air-to-Surface Missiles

Filtered interconnects suppress EMI in air-to-surface missiles to ensure mission success

Air-to-surface missile systems are designed to engage ground targets, including armored vehicles, buildings, and bunkers. The advanced line-of-sight capabilities used in these operations require guidance systems for both radar and laser targeting functionality. APITech's Micro-D connectors protect these systems from electromagnetic interference (EMI), ensuring efficiency, accuracy, and operational effectiveness.

Why APITech's Connectors are Chosen

APITech offers a wide range of D-sub connectors, including micro sizes, that will improve performance, save board space, and reduce costs by managing EMI at the signal and power I/O. Full ground plates and metallic shells maintain minimal impedance with superior performance. APITech offers the largest selection of mechanical configurations for unparalleled versatility and ease of design.

APITech's Micro-D Connectors are ideal for designs with small space constraints

Plus, APITech manufactures the ceramic capacitors used as the filtering element in all of their filtered connectors. They are designed and produced in APITech's State College, PA (USA) facility. This provides customers with high-quality parts, and the industry's shortest lead times.



Micro D Connectors allow designers to incorporate EMI filtering into very small packages.



EMI filtered connectors are designed to protect from RF interference, common in military aircraft.

Clear Competitive Differentiators

For designs that demand even smaller connector packages, APITech offers a line of EMI Filtered Micro D-Sub Connectors. They are compact in size, lightweight, and have an environmentally sealed contact area when mated. The corrosion-resistant connectors offer superior electrical performance and are RoHS compliant.

APITech's line of micro-sized miniature interconnects offer a range of reliable filtering options to meet unique design requirements.

Electrical specifications:

- Operating voltage: 100 VDC
- Dielectric withstanding voltage: 300 VDC
- Current rating: 3 Amps
- Insulating resistance: 5G ohms @ 100

Technical Contact

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