



**CORRY**  
**Micronics**

# Military Filtered Connectors

An Innovative Technology  
of Frequency Filtering

**CALL OUR SALES DEPARTMENT FOR MORE INFORMATION OR VARIATIONS OF THIS PRODUCT.**

**Corry Micronics, Inc. One Plastics Rd. - Corry, PA 16407  
(814) 664-7728 Fax (814) 664-4582 [www.cormic.com](http://www.cormic.com)**

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# Company Profile

Your First Line Of Defense

**U**nwanted interferences at various frequencies that mix with signals are becoming a major problem to the electronics industry. EMI and RFI can result in havoc within electronics systems and lead to failure of complex and large projects.

Suppression components are vital to the task of tackling EMI and RFI. Such components ensure that all systems function properly.

One of the more practical and attractive low-cost solutions is filtered connectors. They perfectly immunize systems against radiated emissions and susceptibility and protect them against fast transients, EDS and lightnings. These products are used more and more in space, aeronautical, telecom, ground control systems and medical applications.

Filtered connectors offer the designer a solution that combines standard connectors with EMI/RFI suppression components. This combination saves space, offers design flexibility, reduces costs and allows easy retrofit and quick upgrade of existing systems.

## Corry Micronics Military Filtered Connectors

**A** large diversity of connector sizes and types is available in various densities. All connectors meet the most stringent specifications of military standards: MIL-C-38999, MIL-C-26482, MIL-C-5015, MIL-C-83733, ARINC 404 and more.

Perfectly filtering Input/Output(I/O) interfaces of space-sensitive military systems demanding hermetic sealing, these filtered connectors are suitable for extreme environmental conditions. They can also include protective components to ensure transient resistance as well as fast HPM (High Power Microwave) pulse durability. The entire assembly is integrated into a single package, where each contact pin has an individual filter with specific type and level.

Together with other complying design considerations, the use of these filtered connectors enables modern platforms to meet the following reference standards: MIL-STD-461, MIL-STD-1275A, MIL-STD-704A, RTCA-DO160D. Each filtering module is integrated into the connector, keeping the connector outer form and size unchanged and preserving system form, fit and function (F<sup>3</sup>). Designed for airborne, marine and ground-controlled portable equipment, this line of products can be used in a broad frequency range of up to 20 GHz.

## The Advantages of the Innovative Filtering Technology Offered by Corry Micronics

- ➔ **Easy retrofit and upgrade**  
Available system space is not a concern as our compact connectors are the same in dimensions as the corresponding unfiltered connectors, allowing for easy retrofit and upgrade.
- ➔ **Design flexibility**  
Our advanced design technologies enable the introduction of a complete selection of both electrical and mechanical solutions, while extensive knowledge allows us to offer design for and production of filtered versions of most connector types.
- ➔ **Reduced cost and lead times**  
With most standard contact arrangement designs, we can reduce the procurement costs and minimize the tooling expenses, down to zero. Moreover, we offer small quantities and prototypes.
- ➔ **Weight and space savings**  
As the filtering elements are placed within the connectors, functional PCB area is kept minimal, and up to 72% of weight is saved compared to the standard configuration of a connector and separate discreet filtering components.
- ➔ **Custom designs**  
We cater to various custom designs which call for specific filtering, transient protection, sealing, etc.



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Our products are exceptional and outstanding in quality, miniaturization and in the ability to achieve perfection under extreme environmental conditions, making them ideal for a variety of military, industrial, commercial and avionic applications. They are extremely suitable for signal filtering and protection assignments in communication, video telecom and telephony applications, as well as within standard and high voltage AC and DC power supplies. Filtering components that meet current loads of 35 amperes are available.

### Quality Assurance

We are committed to the full satisfaction of our customers and to meeting their technical requirements.

Complying with the highest requirements of quality standards is our company mission, and a continuous improvement program is employed in all the enterprise levels.

All our products are subjected to meticulous tightly controlled test procedures carried out with top-quality tools from component acceptance inspection, through process control to final examination of the complete products.

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