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NEWS RELEASE

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Richardson RFPD and Spectrum Control Deliver Custom EMI-Filtered MIL-DTL-38999 Connectors in Just 12 to 14 Weeks—No NRE Required

DOWNERS GROVE, Ill. (April 27, 2026) – Richardson RFPD, Inc., an Arrow Electronics company, announces the availability of custom [EMI-filtered MIL-DTL-38999 connectors](#) engineered to meet demanding military, aerospace, and high-reliability application requirements. Leveraging more than 50 years of EMI/EMC expertise, Spectrum Control has developed an expedited design-to-delivery process that produces fully customized filtered connectors in only 12 to 14 weeks with zero NRE charges.

These next-generation connectors provide high-performance EMI filtering, rugged construction, and complete configuration flexibility, enabling designers to streamline development cycles while meeting stringent environmental and electrical performance standards.

Engineered for Reliability in the Harshest Environments

Spectrum Control's filtered circular connectors deliver outstanding performance through a combination of advanced technologies and robust construction:

- Superior EMI filtering using both planar and substrate-based designs, outperforming chip-on-board or chip-in-seal alternatives
- Soldered construction for improved high-frequency integrity
- Wide capacitance range supporting both power and signal filtering in a single connector
- Durable aluminum shells for weight-sensitive or harsh environmental applications

All filtered connectors undergo extensive quality assurance testing, including capacitance, dissipation factor, dielectric withstanding voltage, and insulation resistance—many performed 100% by computer-controlled systems to ensure consistent compliance with MIL-STD requirements.

Designed for MIL-DTL-38999 Series III Requirements

The standard product attributes include:

- MIL-DTL-38999 Series III compliance
- Square-flange wall mount format
- PC-tail terminations



- N-keying
- 5-amp current rating
- Size 22D contacts
- DWV ratings of 200 VDC working / 500 VDC maximum

These features make the connectors an ideal fit for mission-critical equipment where reliability, durability, and EMI resilience are non-negotiable.

[Custom EMI-filtered MIL-DTL-38999 connectors](#) are available now through Richardson RFPD. Prototypes or production units can be delivered in as little as **12 to 14 weeks**, enabling engineering teams to accelerate their development timelines without compromising performance or compliance.



About Richardson RFPD

Richardson RFPD, an Arrow Electronics company, is a global leader in the RF, wireless, IoT and power technologies markets. It brings relationships with many of the industry's top radio frequency and power component suppliers. Whether it's designing components or engineering complete solutions, Richardson RFPD's worldwide design centers and technical sales team provide comprehensive support for customers' go-to-market strategy, from prototype to production. More information is available online at richardsonrfpd.com. To browse and subscribe to Richardson RFPD's email newsletters, [click here](#).

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