## New Product Announcement

# Now at Mouser: Amphenol FSI's Fiber Optic Connectors for Aviation and Military Applications

**December 11, 2018** – Mouser Electronics, Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now shipping fiber optic connectors from Amphenol Fiber Systems International (FSI). Designed for use in harsh environments, the fiber optic connectors from Amphenol FSI can withstand extreme temperatures and are ideal for aerospace and military applications. Built with precision alignment and components, Amphenol FSI's fiber optic connectors offer exceptional optical performance in a broad range of temperature and vibration conditions.

Amphenol FSI fiber optic connectors, available from Mouser Electronics, are designed to meet the rigorous standards and specifications required for use in military applications. The ARINC 801 cylindrical fiber optic connectors are qualified to the commercial ARINC 801 specification for use in avionics and aircraft networks. The connectors are available in standard D38999 plug and receptacle shells and can withstand vibration levels of up to 300 $G_{RMS}$. Inserts are available to enable high-density arrangements of up to 32 channels.

Amphenol FSI's Next-Generation Connector (NGCON) series offers high-density packaging and genderless fiber optic termini. Compliant with the MIL-STD-64266 military standard, the NGCON fiber optic connectors deliver 500 cycles of multimode and single-mode durability. The versatile connectors feature M28876 coupling threads and D38999 rear accessory threads, as well as a removable alignment sleeve retainer for simplified maintenance.

The M29504 connectors feature an operating temperature range of minus 65 to 150 degrees C, enabling their use in both naval and aerospace environments. The high-precision fiber optic connectors are designed to fit into MIL-DTL-38999 Series III, pin-size 16 connectors, and are manufactured to comply with the rigorous MIL-PRF-29504D specification.

Amphenol FSI's LC Field circular connectors are shock- and vibration-proof and provide IP68-rated protection against dust and fluids. With no tools required for installation and no cabling operation necessary in the field, the LC Field connectors easily transform standard LC patch cords into environmental connectors.

Fiber optic connectors from Amphenol FSI are ideal for a broad range of harsh environment, military, and aerospace applications including railways, military radar, avionics, naval communications, and land tactical communications.

To learn more about Amphenol FSI and the products available from Mouser, visit www.mouser.com/amphenol-fsi.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

**About Mouser Electronics**

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 750 manufacturers. Mouser offers 23 support locations around the world to provide best-in-class customer service and ships globally to over 600,000 customers in more than 220 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

**About Amphenol Fiber Systems International**

Amphenol Fiber Systems International (AFSI) is a full-service fiber optic company specializing in the fabrication and manufacture of fiber optic connectivity products and systems. The company's commitment to technical excellence makes them an industry leader in providing sophisticated products and professional technical assistance in the fiber optic industry. Since its inception in 1993, AFSI has and will continue to base its corporate strategy on technical and application support, quality assurance, product performance, and value.

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