FOR IMMEDIATE RELEASE

Q-MTitan™: The new ARINC 846 standard on MT based interconnect solutions

May 2018 — Radiall is proud to announce that our Q-MTitan™ fiber optic contact, based on the multi-fiber Mechanical Transfer (MT) ferrule technology, has been officially approved as the base design for the new, soon-to-be-released aerospace industry standard, ARINC 846.

With the recent adoption by the AEEC* executive committee, the ARINC 846 sets the new industry standard for interconnect assembly solutions based on fiber optic MT ferrules for use in air transport applications.

Designed for use in the existing #8 Quadrax cavities of off-the-shelf multipin connectors (such as MIL-DTL-38999, ARINC 600, EPX EN4644, EN4165 connectors and many more), Radiall's Q-MTitan™ contacts feature a compact, lightweight and ruggedized body that incorporates and protects the widely used MT ferrule, ensuring the mating of 12 optical fibers. Q-MTitan™ achieves and maintains excellent optical performance in harsh environments, as described in the ARINC 846 document.

Fielded with ribbon fibers or round multi-fiber cables such as ARINC 802 (annex K), Q-MTitan™ offers a dense, robust and cost-effective per optical channel solution. It is used in situations requiring optical transmission in demanding environments, focusing on applications that combine a need for numerous fibers or a high data rate and for density, such as radars, IFE (in-flight entertainment), cockpit displays and much more. Q-MTitan™ provides a minimum of 12 optical channels in the real estate of a #8 Quadrax contact and can be used with Radiall's 10 Gbps D-Lightsys® transceivers for an impressive data rate of 120 Gbps in a single contact.

The design of the Q-MTitan range provides simplified use by customers, and is further supported by through installation/maintenance kits and fiber management solution to ease its integration

Yann Le Luyer, director of the Optical Interconnect Solutions Business Unit, stated "15 years after the selection of the LuxCis® as the ARINC 801 single channel optical solution, this recognition by the ARINC and the AEEC committees gives great legitimacy to our multi-channel optical interconnect solution Q-MTitan™ and will accelerate its deployment in our industry. It will invite equipment or system manufacturers for the military or aerospace industry to choose a recognized, standardized, reliable and performing solution for their high-density optical connections."

*AEEC: Airlines Electronic Engineering Committee

About Radiall

Radiall is a global manufacturer of leading-edge interconnect solutions. The company offers an extensive range of RF coaxial connectors and cable assemblies, coaxial switches, fiber optic and microwave components, multipin connectors and more. Radiall has sales offices and subsidiaries throughout the world, R&D in the U.S., Europe and China, along with manufacturing facilities strategically located in the U.S., Mexico, India and China.

For more information contact:

Europe & Asia
Radiall
SA 25 Rue Madeleine Vionnet
93300 Aubervilliers, France
Tel: +33 (0)1 49 35 35 35
E-mail:info@radiall.com

North America
Radiall USA, Inc.
8950 S. 52nd Street, Suite 401
Tempe, Arizona 85284
Sales: 480-682-9400
E-mail: info@radiall.com

Product contact
Cathy Combet
Fiber Optics Product Manager
L'Isle D'Abeau (France)
Tel: (33) 4 74 95 93 18 / (33) 6 78 71 83 06
Email: cathy.combet@radiall.com

Editorial contact
Gillian Floyd
MarCom
Radiall USA, Inc.
Tel: 480-682-9452
Email: gillian.floyd@radiall.com