

OPTICAL INTERCONNECT SOLUTIONS

*End-to-end Solutions
Designed for Space*

OPTICAL INTERCONNECT SOLUTIONS FOR SPACE APPLICATIONS

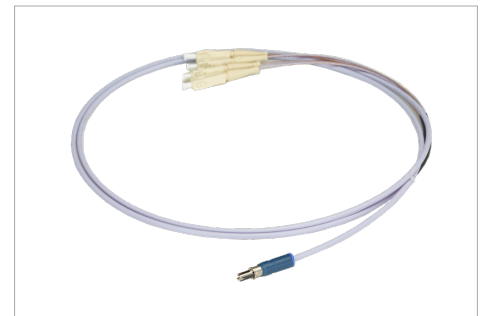
Radiall is a community of dedicated individuals with a shared purpose: simplify life for those who innovate. Since 1952, we have been enabling technology and innovation through collaboration with our customers. The result is a range of innovative and award-winning products that customers trust for unrivaled repeatability and performance.

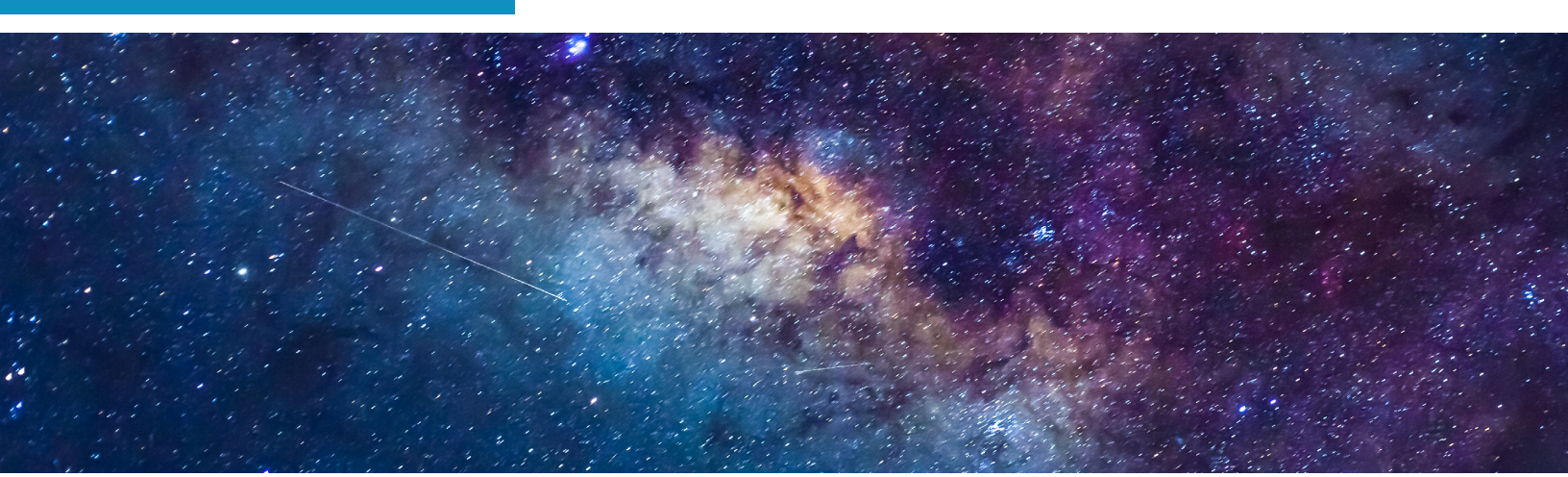
Radiall is excited to introduce a wide range of optical end-to-end solutions designed for the space market. Our complete range of products is backed by our long-term experience and expertise in the space market.

OPTICAL FIBERS LINKS

With over 40 years of experience in manufacturing fiber optic solutions, Radiall delivers high-quality harnesses and complex optical systems including D-Lightsys® active devices, ruggedized fiber optic interconnect solutions and multipin connectors. We provide psolutions that meet space market requirements with:

- *Lightweight and small design*
- *Material with low outgassing*
- *Immunity to EMI and RFI*
- *Resistance to radiation*
- *Design to delivery of high-end optical systems*
- *Simplex and multichannel assemblies*
- *Designed by Radiall or built-to-print*
- *Field kits, test and maintenance solutions and training*





OPTOELECTRONIC CONVERTERS

- Complete range of high-performance optoelectronic Active Optics by D-Lightsys®
- Fully qualified for harsh environments: DO-160, MIL-STD, ARINC 804
- Lowest power consumption (<50 mW/ch Gbps)
- Smallest form factor for single channel and multichannel modules (6.5 mm²/ch/Gbps)
- Protocol independent and large bandwidth per channel (from DC to 10 Gbps)
- Flying since 2007
- Various packages and form factors available (LCC, Socketed, SFF, others)
- Free space version for Board-to-Board contactless data link



OPTICAL INTERCONNECT SOLUTIONS

Q-MTitan™ ARINC 846: Ruggedized, high-density MT Quadrax interconnect

- 12 fiber optic channels in a compact and rugged fiber optic contact
- Protection of the MT ferrule
- Fits in size 8 Quadrax cavity of multipin connectors: D38999, ARINC600, HDQX, EN4644 EPX®, EN4165, QuickFusio™ and many more
- Compatible with ribbon and round cable and radiation resistance fibers
- Excellent performance maintained in harsh environments (-55/+125 °C, Vibration 41.7 Grms, 500 mating cycles, Shocks 2000 G)

C-MTitan™: High-density MT solution for inside-the-box applications

- 12 fiber optic channels
- Protection of the MT ferrule
- Easy insertion/extraction with latching mechanism
- Excellent performance maintained in harsh environments (-55/+105 °C, Vibration 35 Grms, 200 mating cycles)

LuxCis® ARINC 801: Ruggedized single-fiber optic contact

- Available in multimode, singlemode and singlemode APC
- Expandable range of rectangular and circular connectors: MIL-DTL-38999, Single channel LxC-R® and EZ-Lux, EPX® EN4644, QuickFusio™, ARINC 600
- Excellent performance maintained in harsh environments (-55/+125 °C, Vibration 43 Grms, 500 mating cycles)

