



FOR IMMEDIATE RELEASE

Space SMPM & SMPM-Lock by Radiall

July 2026 - Radiall, a global leader in interconnect solutions, has released the Space SMPM & SMPM-Lock, miniature Space connectors for high-frequency performance and high-density applications.

In 2013, Radiall designed and created the Space SMP-Lock interface through IRIDIUM constellation tender. It provided customers with a proven, highly secure locking mechanism that simplified integration while ensuring reliable RF performance. In 2020, Radiall created the Space SMPM and Space SMPM-Lock versions. These next-generation solutions were developed to address the industry's growing demand for miniaturization and higher-density designs while delivering improved RF performance compared to previous SMP solutions. Radiall space connectors are extremely small connectors crafted to support high-frequency and high-density applications. Designed by Radiall's expert space engineers and manufactured at its advanced production facility in France, these connectors are built to meet the rigorous reliability standards of the space industry.

The **Space SMPM** connector is now 30% smaller than SMP, making it well suited for blind mate board-to-board and module-to-module applications while providing greater flexibility to accommodate alignment tolerances.

The **Space SMPM-Lock** connector combines a robust locking mechanism with increased retention force in a package that is 42% smaller than the Space SMP-Lock. It delivers a secure RF connection in demanding environments subject to extreme temperature variations, vibration and shock.

FEATURES & BENEFITS

- High frequency: up to 40 Ghz and 32 Ghz for SMPM-Lock
- Ultra miniature connector
- Temperature range: -65 °C to 125°C
- EMI shielding: 80 dB @ 3 GHz/75 dB from 3 to 40 GHz
- Quick and easy connection/disconnection
- Available on smooth bore and full detent configurations
- Intermateable with GPPO

For further information on Space SMPM & SMPM-Lock by Radiall™, please contact a Radiall sales representative or distributor, or visit www.radiall.com.

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