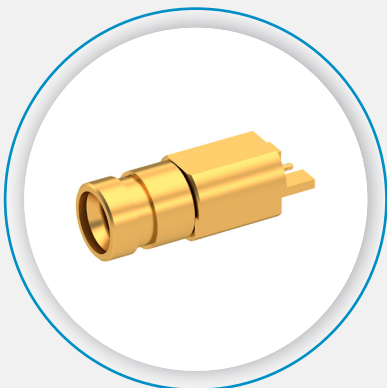
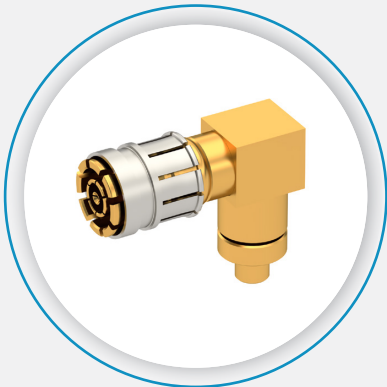
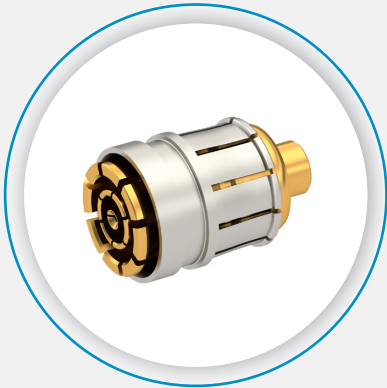


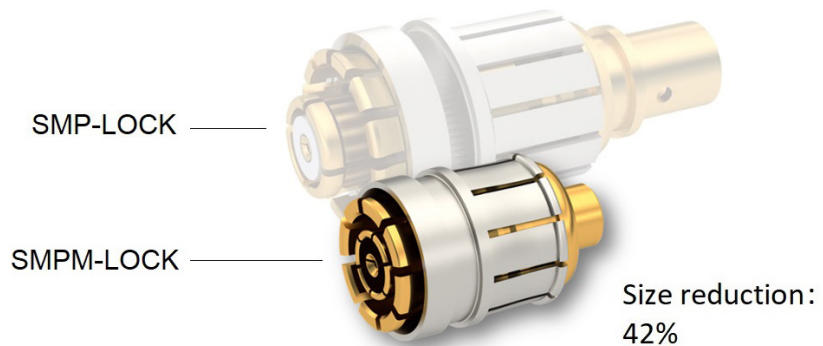
SMPM-LOCK BY RADIAL™

The Most Miniature Connector to
Secure Your Connection



SMPM-LOCK is the smallest connector on the market with a locking system. This connector features electrical performance up to 65 GHz and provides a safe connection in shock and strong vibration environments.

Radiall designed this micro miniature product to answer customer demands for small connectors that provide security and performance. Made with the SMPM interface, Radiall has added a locking nut and a locking ring to secure connections in any type of installation, even in the tightest spaces. Radiall has reduced the length of this product by over 40% compared to SMP-LOCK. The right-angle plug version saves even more space.



The choice of a jack with a limited detent interface allows customers to have security when the plug is connected and a better handling during the locking phase.

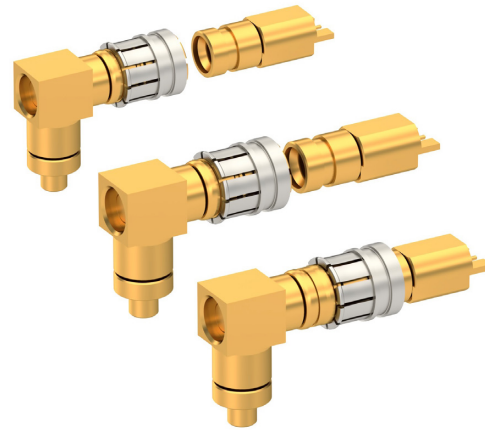
Compliant with MIL-STD-202G Method 204, test condition D and MIL-STD-202G Method 213, test condition I, SMPM-LOCK is highly resistant to any type of environment. It has EMI shielding and an IP6x sealing option to strengthen its resistance to extreme conditions.



This locking system is simple to implement, quick to lock and very secure when the two interfaces are connected.

To secure the two interfaces, connect the plug with the jack and bring the locking ring to the specific groove. For an easy and secure connection, Radiall recommends using a specific mating/unmating tool.

To disconnect the two interfaces, slide back the locking nut. The connector will be unlocked, and you will be able to unmate the plug.



FEATURES & BENEFITS

- High frequency: 65 GHz
- Reduces SMP-LOCK's size by 42%
- Temperature range: -65 °C to 165 °C
- IP6x sealing option
- EMI shielding option: up to 80 dB @ 40 GHz
- Vibration: MIL-STD-202G Method 204, test condition D
- Shock: MIL-STD-202G Method 213, test condition I
- Cable retention force:
 - Semi-rigid cable: .047 F > 45 N

APPLICATIONS

- Radar
- Missile
- Electronic Warfare
- Drone
- Auto Director
- Military Radio