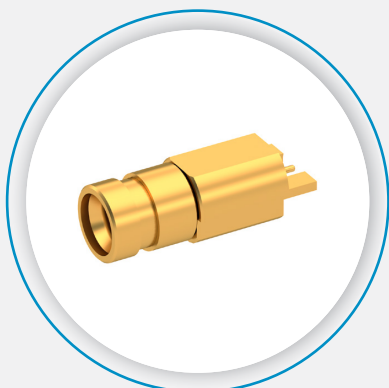
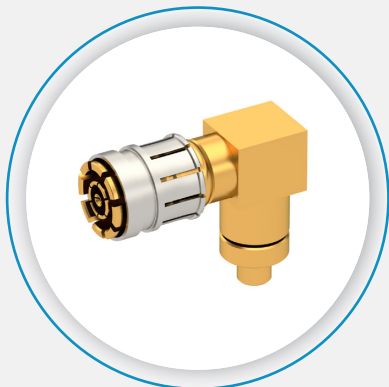


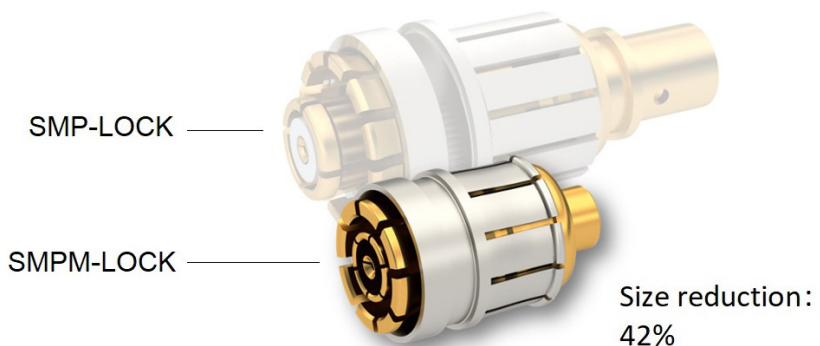
# SMPM-LOCK BY RADIAL™

*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.

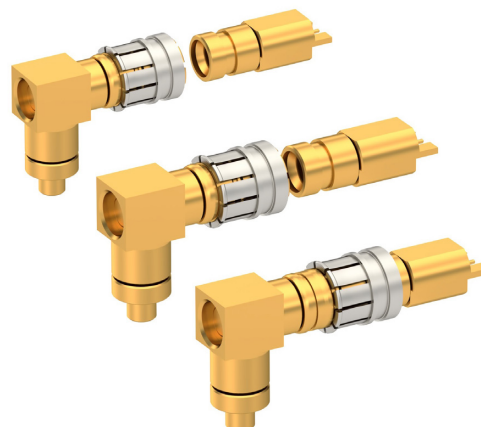
Compliant with MIL-STD-202G Method 204, test condition D and MIL-STD-202G Method 213, test condition I, SMPM-LOCK is highly resistant to any type of environment. It has EMI shielding and an IP6x sealing option to strengthen its resistance to extreme conditions.



*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