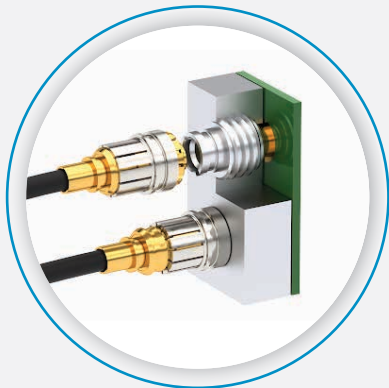
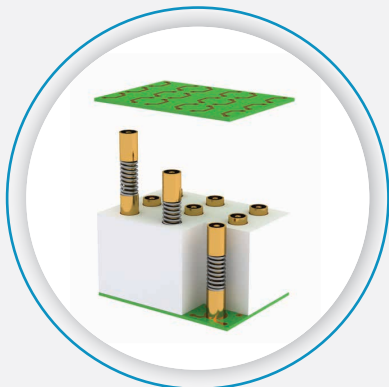


C-UAS

Coaxial Interconnection Solutions
to Support UAV



IMP-LP "Hybrid"



IMP-HD

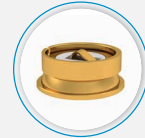
With the multiplication of UAVs in recent years, the need for technology to neutralize their negative effects has consequently grown. This represents a new challenge for the military and civil aerospace fields.

Since the first model drone, technology has advanced significantly. Now they are compact, easy to maneuver, cost-effective and very agile, which results in drones being used for a range of applications.

Today, drones are used in the defense market; however, they pose a risk to the military and civil aerospace sectors due to current aviation detection systems inability to detect them. Military anti-aircraft and air traffic control radars are designed to detect large, fast moving objects. But due to the small size and slow speed of drones, they are difficult to detect. This makes it challenging to monitor the risk of collisions between aircrafts and drones and protect sensitive locations, making it hard to enforce drone laws.



SMP



IMP



SMPM-LOCK

As a result, new equipment is emerging with one goal in mind: countering any potential harmful use of drones. They take the shape of a small and lightweight mobile radar. By using AESA technology, systems are faster, more accurate and more agile. Radiall supports these trends and offers new board-to-board and board-to-module interconnection solutions with low insertion loss and high frequency range up to 40GHz that are easy to use and maintain.



IMP-LP Double Version



SMPM-LOCK

Radiall offers products with the highest levels of performance by combining innovation and reliability.



SMP & SMPM

This proven card-to-card connection solution offers three coupling systems to combine (smooth bore, limited detent, full detent), facilitating the installation in radar systems.

- Up to 65 GHz
- SMPM 30% smaller than SMP
- High axial and radial tolerance



IMP

IMP products address the latest miniaturization needs by offering higher integration density, lighter interconnection and a solderless assembly process.

- Solderless
- Low insertion loss: ≤ 0.25 dB
- Modular: Board-to-Board distance from 1.41 mm to 16.5 mm
- Frequency up to 40 GHz



SMP-LOCK & SMPM-LOCK

The reliable locking system provides a safe connection in shock and strong vibration environments. The compact size allows a high integration density.

- Secure interconnection
- Maintains the performance of SMP and SMPM products
- Easy to install

All Radiall products are customizable to meet the needs of our customers.