

# Leading the Skyways with Advanced Connectivity Solutions



ARINC  
Blindmate PkZ® Contacts

- Routers
- Servers
- ModMan

## Router, Server & ModMan Cable Assemblies



L-Series Blindmate PkZ® Contacts  
Size 8, 12, & 16  
Performance to 18 GHz



Leading Blindmate Microwave Contact Technology

[www.phoenixofchicago.com](http://www.phoenixofchicago.com)

# ARINC PkZ: Soaring to Excellence



- Routers
- Servers
- ModMan

## 68-Series PkZ<sup>®</sup> Contacts

---



- Application: Size-8 ARINC housings
- Frequency: Operates up to 12 GHz
- Features: Utilizes constant impedance technology for exceptional electrical performance. Accommodates large diameter and low loss cables with an axial mating tolerance of .090”.

## 168L-Series PkZ<sup>®</sup> Contacts

---



- Application: Size-12 ARINC housings
- Frequency: Operates up to 18 GHz
- Features: Employs constant impedance technology for superior electrical performance with an industry-leading axial mating tolerance of .110”.

## 268L-Series PkZ<sup>®</sup> Contacts

---



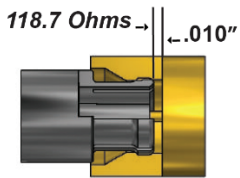
- Application: Size-16 ARINC housings
- Frequency: Operates up to 18 GHz
- Features: Constant impedance technology for outstanding electrical performance. Contributes to reduced weight and high-density cable management with an axial mating tolerance of .110”.

# Unmatched Innovation for Uncompromised Performance

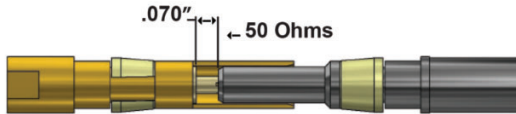
## The PkZ<sup>®</sup> Difference

The PkZ Microwave contact maintains constant impedance over the industry's widest axial mating tolerance, allowing the design to overcome typical system tolerance stack-ups that disrupts standard contact performance.

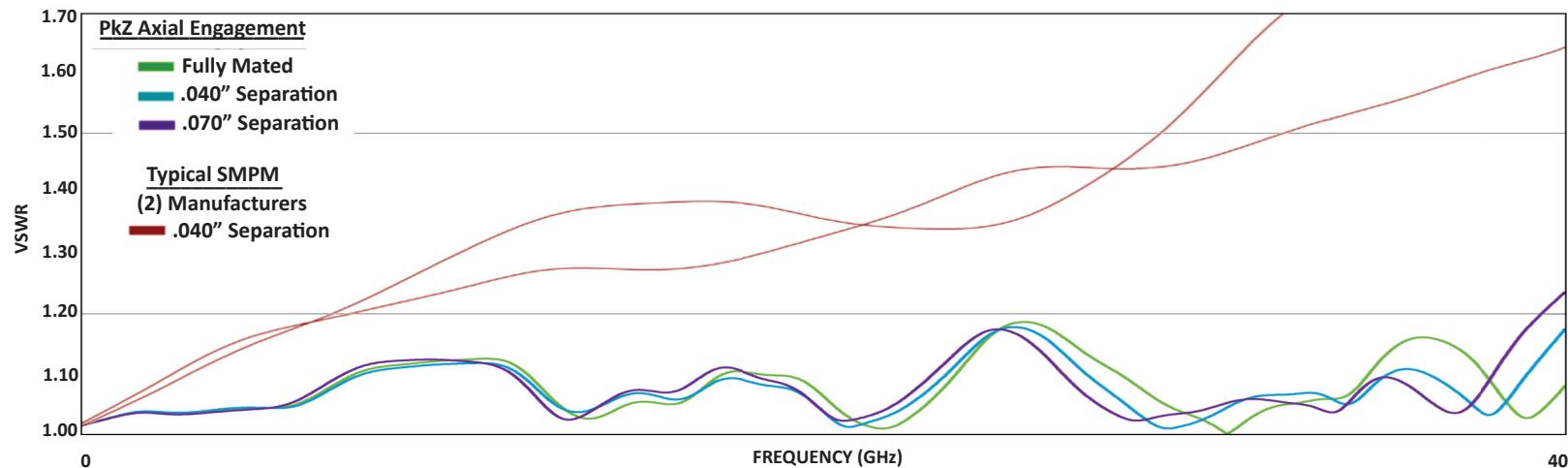
## Continuous High Performance Whether Fully or Partially Mated



Impedance changes in a standard SMPM coaxial connector interface as a gap is introduced due to mating tolerances.



The unique PkZ design provides constant impedance even as much larger gaps are introduced in the mating interface.



The PkZ's design accommodates complex, high-density environments where traditional connectors struggle.

## Simplified Installation & Maintenance

Our PkZ contacts are designed without engagement springs, resulting in lower insertion forces than spring-based designs, simplifying installation, minimizing maintenance, and improving reliability.

## Designed for Blind-Mating

The industry-leading axial mating tolerance of PkZ contacts makes them the ideal choice for blind-mating applications, effectively managing tolerance stack-ups in module-to-rack system mating.

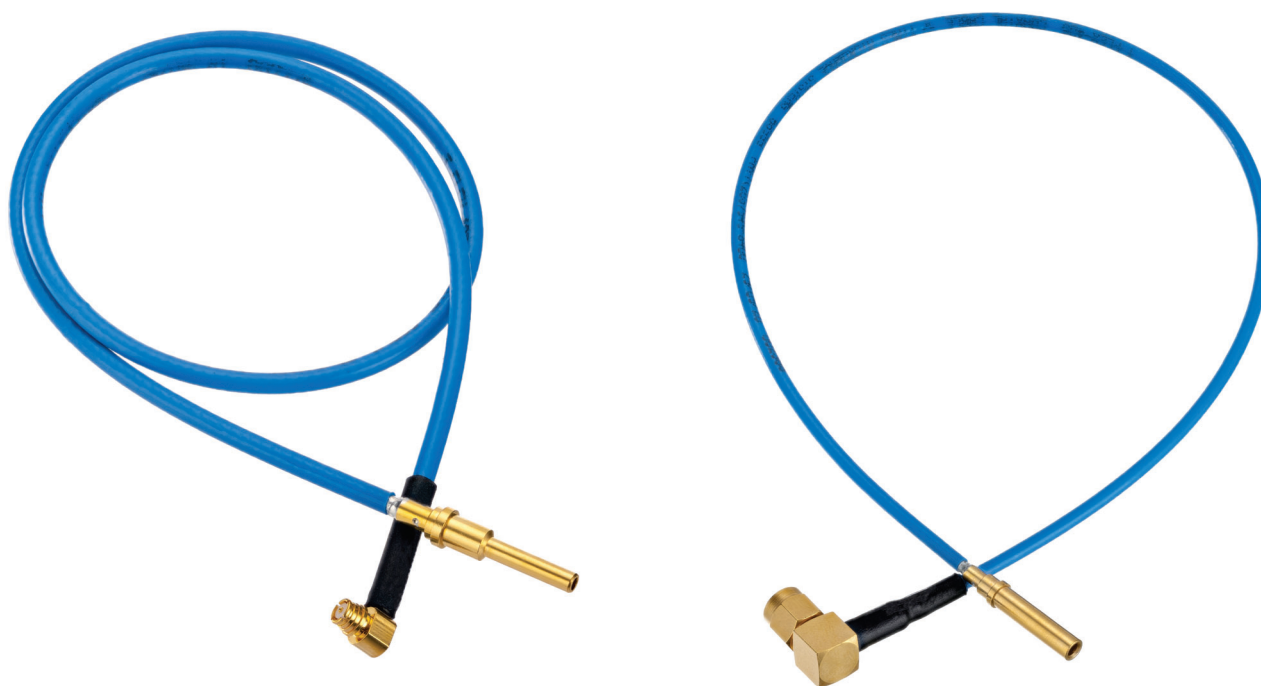
# Engineering Innovation at Your Service

## Custom Design & Rapid Prototyping

Our innovative engineering resources offer a range of design services, from product modifications to custom PkZ contact designs, connector housings, and cable assemblies. Design and modeling simulations alongside rapid prototyping support demanding schedule requirements.

## Wide Selection & Customization

With a wide selection of standard PkZ contacts and design options for various application requirements, we stand ready to meet your needs. Our in-house engineering and vertical integration allow for quick customization for low to mid-volume requirements, distinguishing us from the competition and propelling you ahead of yours.



## The Phoenix Company of Chicago: Connecting the Future of Aerospace

### Dedicated to Your Success

At The Phoenix Company, we are more than just a supplier; we are your partner in innovation. Our commitment to quality, reliability, and customer satisfaction ensures that your aerospace connectivity solutions not only meet but exceed expectations.

### Contact Us

To explore how our ARINC PkZ contacts can revolutionize your aerospace applications, or to discuss your specific needs with our expert team, please contact us today.

