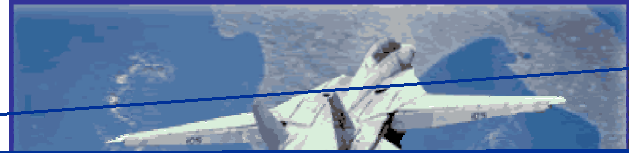


# Amphenol RF

## Military-Aerospace Market

RF components perform vital functions in mission-critical systems for military aerospace. Such products require superior performance and reliability under conditions of extreme temperature, vibration, and environmental stress.



High performance environmental connectors are generally used to interconnect electronic and fiber optic systems in sophisticated aerospace, military, commercial and industrial equipment. Amphenol RF is recognized as a leading supplier in the Military-Aerospace industry for its quality MIL-C-39012 interconnect products and innovative solutions.

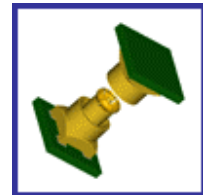
### Applications:

- Remote Control Systems
- Aircraft Radio
- Communications Systems
- Interrogation Systems
- Antenna Systems
- Tactical Radio Programs
- Joint Strike Fighter
- Gang or Blind Mate high power systems

### Our Products:

#### **AFI**

The AFI connector interface utilizes a proprietary configuration that allows for industry leading “float” to compensate for the axial and radial misalignment due to packaging tolerances. This industry-leading float results in a maximum misalignment allowed by the system of .030” [0,8 mm] radial and .040” [1,0 mm] axial. The interface is available in both 75  $\Omega$  and 50  $\Omega$  configurations.



#### **Blind Mate Type-N Adapter (M/F)**

The Blind Mate Type-N Adapter allows for the blind mating of multiple “N” connectors in a rack and panel design. The floating mounting system compensates for axial and radial misalignment. This connector provides excellent electrical performance from 0 to 6 GHz.

#### **MCX**

While the MCX uses identical inner contact and insulator dimensions as the SMB, the outer diameter of the plug is .140 inches, which is 30% smaller than the SMB. This series provides designers with options where weight and physical space are limited. MCX provides broadband capability though 6 GHz with a snap-on connector design.



