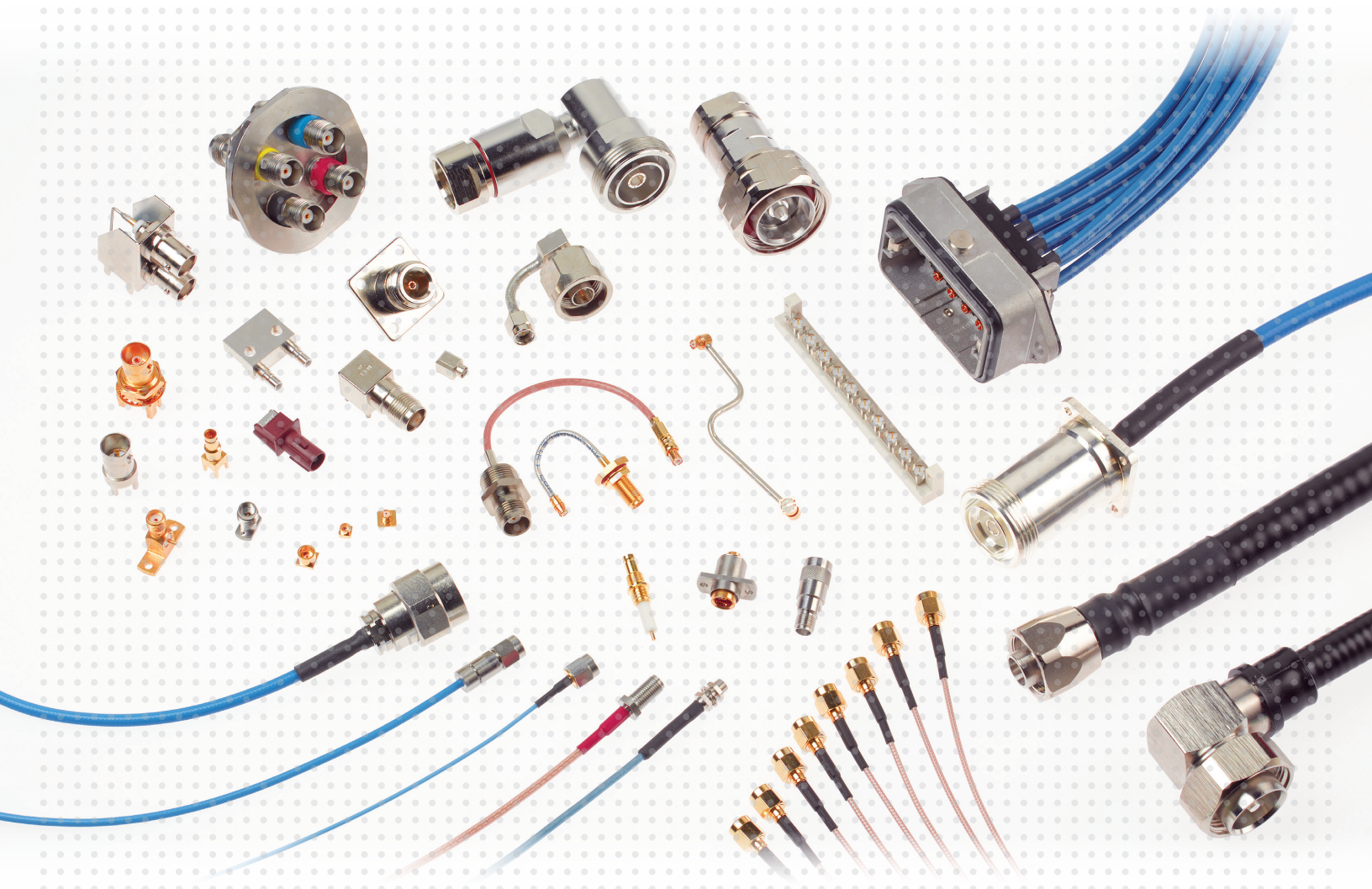


RF/MICROWAVE PRODUCTS



molex[®]

RF/MICROWAVE PRODUCTS

About Molex

As a leading supplier of interconnect solutions, Molex is fully committed to meeting customers' needs on a local, regional and global level. With over 100,000 reliable products, from radio frequency, electrical and fiber optic interconnects to switches and application tooling, our portfolio is among the largest.

We pride ourselves on custom innovation solutions per our customers needs and providing superior support and service throughout the design process. Our team's constant focus is on the design, development and distribution of advanced products that meet tomorrow's needs, today.

About Molex RF

Molex is at the forefront of today's RF technologies, providing support at every phase of the product life cycle. We offer over 90 RF connector interface types and the ability to produce custom products for specific applications. Plus, our

service-oriented team can turn around your drawings in 48 hours and deliver your solution in less than eight weeks – so you can get your products to market faster.

Molex RF/Microwave Products (Jiangsu) Co., LTD, located in Zhenjiang, China, provides connectors and cable assemblies in 2 weeks typical lead-time to support base station installation needs.

Equipment and Expertise

Our core staff members of the Molex RF/Microwave Business Unit possess extensive experience in the design and manufacture of high-quality connectors that perform at frequencies up to 65 GHz. The RF/Microwave product specialists at Molex have a thorough knowledge of applicable industry standards, tolerances, specifications and electrical characteristics.

Molex is a full-service provider. Our engineering lab is equipped with RF/Microwave test equipment operation to 65 GHz as well as environmental

test capabilities. Designs are verified using advanced computer modeling techniques to assure they meet all electrical requirements. Utilizing materials and procedures that are in compliance with industry standard specifications such as




MIL-STD-348, DIN, IEC and CECC. Precision and repeatability are key to our manufacturing processes which include both semi and fully-automated manufacturing systems. Our top of the line CNC equipment provides quick changeover time giving us maximum flexibility.

Our global capabilities are provided by a manufacturing network that allows us to fill nearly any size order. Our US Operations are located in Mooresville, IN and Torrington, CT and are highly integrated facilities. Our Mooresville, IN site is the operations and engineering logistics center for the US, Mexico and Asian (China and Taiwan) operations, which are all ISO-9001 certified. Offering ITAR capability in both our US and Mexico facilities.

RF Assembly Builder

Use the RF cable assembly builder below to design an RF cable from a variety of connector and cable types. Add in any additional specs and project requirements and submit your design to us. Our RF technical team will review your requirements and contact you to confirm and provide a quotation.

*Required Fields

Connector A*	Cable*	Connector B*
 Choose Connector A	 Choose Cable	 Choose Connector B
SELECT	SELECT	SELECT

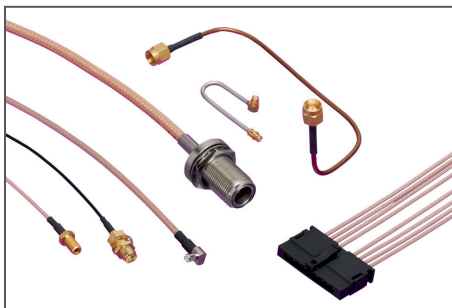
RF Cable Assemblies

Molex offers standard configurations and also custom, ganged and bundled harness solutions. They accommodate a wide range of cable types that include MIL-C-17, semi-rigid, conformable and micro coaxial cables. Wireless jumper cables are constructed with either annular or helical corrugated cable.

Standard and Custom RF Connector Interfaces

Molex provides over 90 styles and configurations of RF connectors, including microminiature, subminiature, miniature, medium and large. In addition, we specialize in the design and manufacturing of catalog derivative type connectors with unique performance and dimensional requirements.

We offer a wide range of custom capabilities and can provide solutions to packaging, electrical and/or mechanical performance issues, including multiport RF solutions, IP rated sealed RF connectors, solderless PCB compression mount, high performance and high contact retention F connectors, as well as, medical/non-magnetic connectors, a wide range of cable assemblies and unique adapters.



Mixed Layout D-Subminiature Connectors

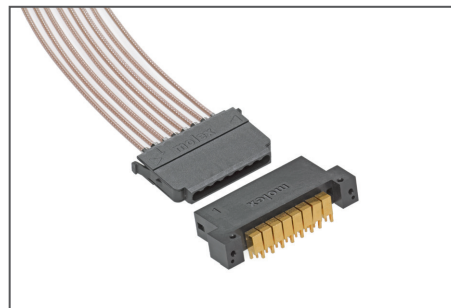
Molex offers a complete series of mixed layout d-subminiature connectors which combine signal, power, and RF in one package. Along with standard 50 and 75 Ohm contacts, we offer a line of blind mate contacts which compensate for the large radial and axial misalignment common in modular applications. These blind mate contacts provide a continual 50 Ohm impedance and low VSWR whether fully mated or partially unmated. Molex also offers a unique true 75 Ohm RF contact providing optimized performance needed in today's evolving market. The Mixed Layout product line is also available in non-magnetic and waterproof versions.

Multi-Port

Multiport 50 and 75 ohm connectors are offered in several configurations to provide a solution to multiple RF channel applications. The connectors can be customized to meet the customer's specific requirements. The multiport RF series is the perfect size for any application where package size, quality, low loss, VSWR, and ganged mating is critical.

Microwave Devices

Molex offers a wide range of devices for GSM, CDMA and



PCS applications for wireless infrastructure and WLAN applications. Examples include power splitters, combiners and directional couplers.

Power Connectors

Molex has developed DC power connectors for remote radio head applications in the Telecom market. We offer options including bayonet or push-pull coupling and can accommodate a wide range of power cable sizes to meet outdoor power requirements.

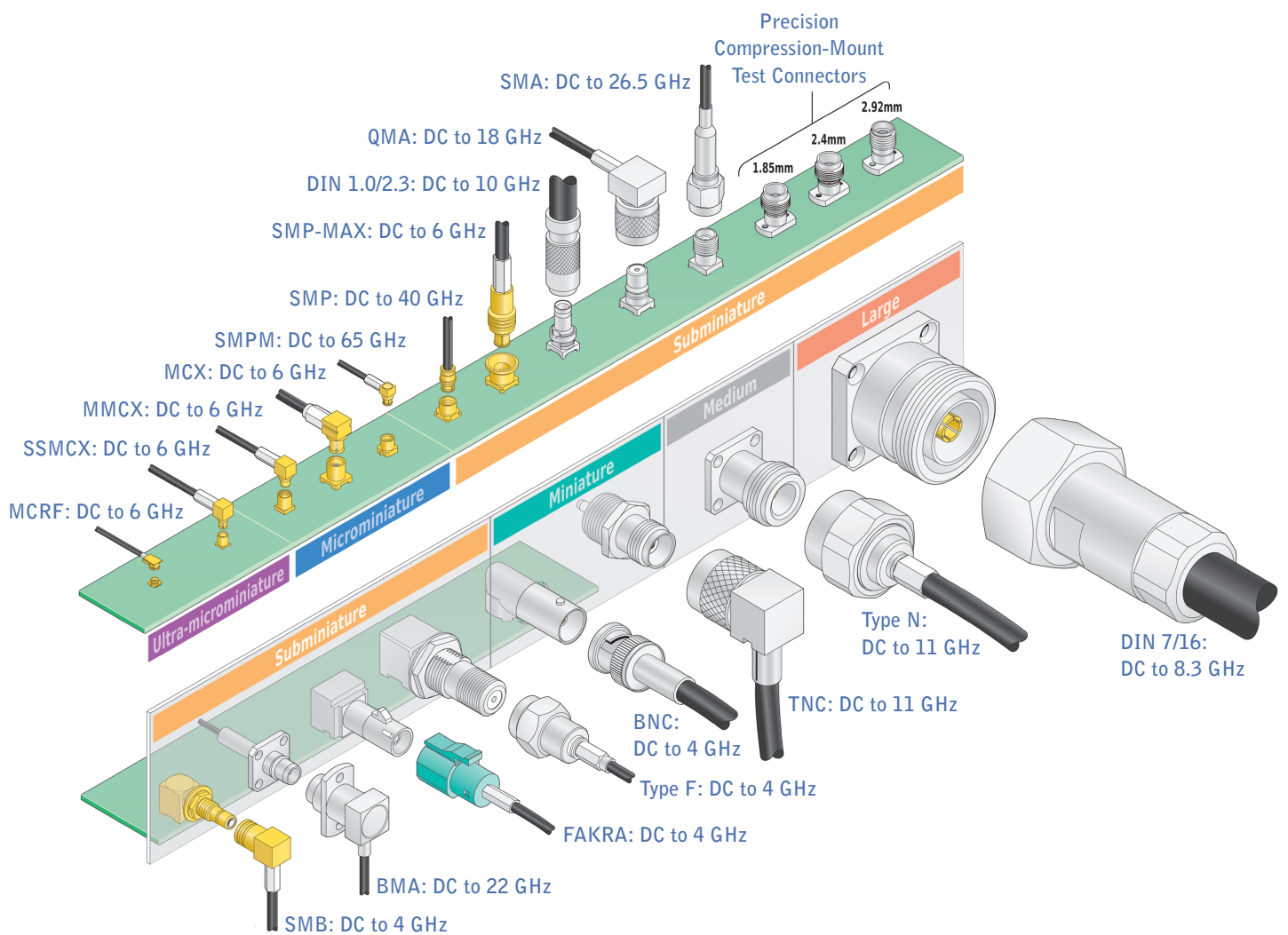
Coaxial Series Offered:

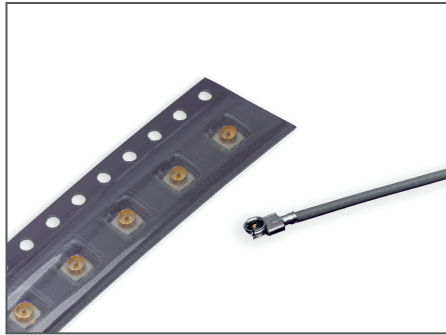
SMA, SMB, SMC, SSMB, SSMC, MCX, MMCX, SSMCX, DIN 7/16, DIN 1.0/2.3, BNC, Mini-BNC, TNC, Type N, HN, MHV, SHV, Type C, Triax, BMA, QMA, PPN, SMP, SMP-MAX, FAKRA (SMB), Type F high-performance, PAL, Mini-UHF, SSMA, EIA Flange and Microcoaxial RF, among others.

Applications

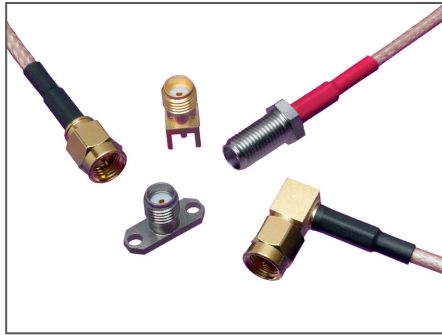
- Medical
- Wireless/telecom
- Military
- HDTV/broadcast
- Automotive/Infotainment
- Consumer
- Instrumentation
- Smart Farming
- Broadband/Headend Infrastructure







MCRF - Microcoaxial RF



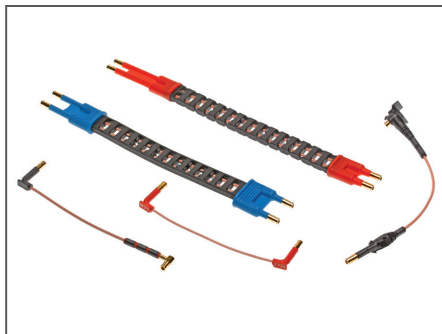
SMA Family



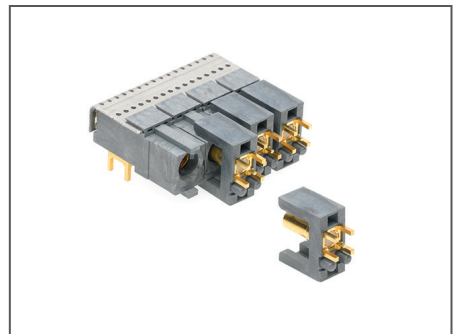
Wireless Jumper Assembly



Multi-Port/Ganged Connectors



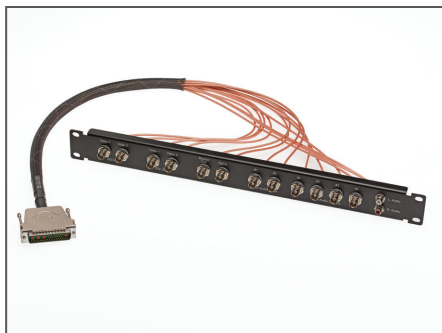
Overmolded Assemblies



DIN 1.0/2.3 Backplane



IP68



RF Solutions



*Precision Compression-Mount
Test Connectors*

www.molex.com/link/rfmicrowavecoax.html