

➤ 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. Our portfolio is among the largest with over 100,000 reliable products, from radio frequency, electrical and fiber optic interconnects to switches and application tooling.

We pride ourselves on custom innovation solutions when our customers need them 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 your product life cycle. We offer a broad range of 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 50 GHz. The RF/Microwave product specialists at Molex have a thorough knowledge of applicable industry standards, tolerances, specifications and electrical characteristics.

We are a full-service provider. Our engineering lab is equipped with RF/Microwave test equipment operation to 50 GHz as well as environmental test capabilities. Designs are verified using advanced computer modeling techniques to assure they meet all electrical requirements. We utilize materials and constructions that are in compliance with industry standard specifications such as MIL-PRF-39012, DIN, IEC and CECC. Precision and repeatability are key to our manufacturing processes which include both semi and fully-automated manufacturing systems. We also offer quick-reaction sample and prototyping services. 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 operation is located in Mooresville, IN USA and is a highly integrated facility. Our US site is the operations and engineering logistics center for the US, Mexico and Asian (China and Taiwan) operations, which are all ISO-9001 certified.

RF Cable Assemblies

Molex's RF cable assemblies offer standard, traditional configurations and also custom, ganged and bundled assembly solutions. They accommodate a wide range of cable types that include standard RG braided, LMR style, semi-rigid conformable and micro coaxial cables. Wireless jumper cables are constructed with either annular or helical corrugated cable.

Standard RF Connector Interface

Molex provides all series, 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.

Custom Offerings

We offer a wide range of custom capabilities and can provide solutions to packaging, electrical and/or mechanical performance issues. Solutions include multi-port RF products, IP rated sealed RF connectors, solder-less PCB attachment, non-magnetic connectors, a wide range of cable assemblies and unique adapters.

Multi-Port

SSMCX Multi-Port 50 or 75 Ohm Series are designed in 4, 6 and 8-port versions. The SSMCX multi-port RF series is the perfect size for any application where package size, quality high-frequency response or ganged mating is critical. Right angle, and vertical PCB versions are available. Mating cable ganged connectors accommodate a wide range of small standard and custom micro coaxial sizes up to RG 178 or RG405.

Switch Connectors

Coaxial switch connectors allow a signal to pass through to an internal antenna or circuit until mated. This coaxial switch technology allows for the use of dual/diversity antenna systems or can be used as a test point in a circuit. Molex offers a range of sizes and layouts from SSMCX through SMA.

Quarter Wave Stub

Lighting protection devices using quarter-wave technology with DIN 7/16 or Type N interfaces are offered in frequencies from 800 to 2500 MHz for wireless system applications.

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:

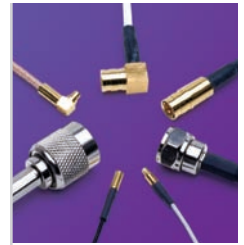
SMA, SMB, SMC, SSMB, SSMC, MCX, MMCX, SSMCX, DIN 7/16, DIN 1.0/2.3, BNC, Mini-BNC, TNC, Type N, HN, MHV, SHV, Type C, Triax, BMA, QMA, PPN, SMP, SMP-MAX, FAKRA (SMB), Type F, PAL, Mini-UHF, SSMA, EIA Flange and Microcoaxial RF.

Applications

- Medical
- Wireless/telecom
- Military
- HDTV/broadcast
- Automotive
- Consumer
- Instrumentation



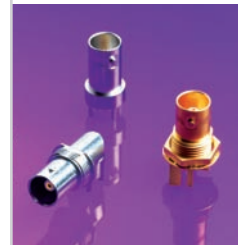
Jumpers



Cable Assemblies



Couplers



Custom Products



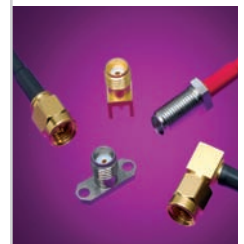
Quarter Wave Stub



Multi Port



7/16



Standard Products

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one company › a world of innovation