



RF Interconnect Solutions

- Johnson designs and manufactures an industry leading line of RF, microwave and mmWave coaxial connectors, adapters and cable assemblies
- Connectors are designed to provide the highest quality data transmission for audio, video and data applications
- Products available within the Johnson line includes: board and cable mount connectors as well as semi-rigid, conformable, and flexible RF coaxial cables, with so many configurations available with same and between series adapters



SMA | up to 26.5 GHz

- Standard brass, non-magnetic brass and stainless steel material options
- Patented high frequency and self fixture end launch connectors



SMP (GPO™) | up to 40 GHz

- Allows for axial and radial misalignment (blind mate applications)
- Micro-miniature, slide-on/snap-on interface



SMPM (GPP™) | up to 65 GHz

- Allows for axial and radial misalignment (blind mate applications)
- 35% smaller size than the SMP connectors



SMP3 (G3P™) | up to 65 GHz

- 30% smaller size than the SMPM connectors
- Adapters to 1.85 mm, 2.4 mm, and 2.92 mm



1.0mm | up to 110 GHz

- Stainless steel connector in end launch panel mount and spark plug styles
- Same-series adapters also available



1.85mm | up to 67 GHz

- Connectors in solderless and soldered, end launch, vertical launch, panel mount, straddle mount, angled 30° and 45° PCB mount styles.
- Available in brass and stainless steel materials
- Adapters to 1.85 mm, 2.4 mm, 2.92 mm, SMPM, SMP3



2.4mm | up to 50 GHz

- Connectors in solderless and soldered, end launch, vertical launch, panel mount, straddle mount, angled 30° and 45° PCB mount styles.
- Available in brass and stainless steel materials
- Adapters to 1.85 mm, 2.4 mm, SMA, SMP, SMPM,



2.92mm (SMK or “K”) | up to 40 GHz

- Connectors in solderless and soldered, end launch, vertical launch, panel mount, straddle mount, angled 30° and 45° PCB mount styles.
- Available in brass and stainless steel materials
- Adapters to 1.85 mm, 2.4 mm, SMA, SMP, SMPM and SMP3



XMC | up to 9 GHz

- Next generation following UMC connector
- Compatible with industry accepted U.FL / IPEX MHF 4L
- 1.4 mm Lower profile height



UMC | up to 6 GHz

- Compatible with Hirose U.FL/MHF connectors
- 2.5mm low profile height and small footprint (3 mm x 3 mm)
- More than 56 SKUs of UMC cable assemblies



MCX | up to 6 GHz

- Available for 0.047 in flexible cable and RG178/RG316/RG316/RG-179 cables and 0.086 in semi-rigid cables
- Snap-on/snap-off interface, ideal when 360° rotation is required on mated parts without an intermittent signal (micro antenna applications)



MMCX | up to 6 GHz

- Available for 0.047 in flexible cable and RG178/RG316/RG316/RG179 cables and 0.086 in semi-rigid cables
- 30% smaller than MCX



SMB | up to 4 GHz

- Snap-on interface design provides fast and reliable connection
- Ideal for GPS, LAN and broadband applications



SMC | up to 10 GHz

- Thread on interface for high vibration applications
- Ideal for telecom and instrumentation applications



Type N | up to 18 GHz

- Available in both gold and tri-alloy plating
- Ideal for military and commercial wireless applications



kwiQMate™ | up to 12.4 GHz

- Meets performance requirements of MIL-PRF-39012
- Contacts plated with 50 micro-inches of gold for durable and high-frequency performance



Non-Magnetic | up to 18 GHz

- MCX, MMCX, SMA, and Type N connectors, made from high purity copper alloys
- Ideal for medical, quantum computing and space and commercial wireless applications



Waterproof | up to 18 GHz

- SMA, TNC, MCX, MMCX connectors and adapters with IP68 rated performance
- Ideal for underwater applications including oil & gas, transportation, mil-aero and industrial IoT



Fixed Length RF Cable Assemblies

- More than 900 SKUs of catalog fixed length cable assembly configurations
- Available in flexible, conformable and semi-rigid cable types