



*Our Most Important  
Connection is with You.™*



Telecom

Radiall 





# global

Radiall is a global supplier of robust, cutting-edge and reliable interconnect solutions for the Telecom industry. We offer a wide range of high quality products that feature excellent electrical and mechanical performance to enable high speed communication. Our global presence allows us to meet customers' needs and partner with some of the world's largest Telecom companies to make the future of communication possible.



# robust



## Outdoor Interconnects

### I/O Ruggedized Interconnect

Robust and modular solutions for multistandard connections

- Made for field assembly and high density
- N type fiber connector RXF: SM/MM, 2 - 6 FO channels, + hybrid (optical, power)
- Push-Pull Circular: OSIS<sup>®</sup>, OPUS: One Step, LC duplex, SC, RJ45, Multi-Coax, Power
- Protective Housings: R2CT<sup>®</sup> and OCTIS<sup>™</sup> (Transceiver Inside)
- MT ferrule
- SFP/SFP+ transceivers
- For high data rate signal, power, hybrid, lightning and EMI protection



## RF Cable Connectors

### Advanced Comprehensive Range

- Low PIM antenna solutions: 4.3/10, QLI, 4.1/9.5, 7/16, N, Smart N
- Quick-locking QLI, QMA, QN, SMP-Lock
- Waterproof IP-rated solutions
- Advanced materials: Harsh environment plating (ISO 21207), composite solutions
- High frequency (up to 65 GHz) and high vibration (20G) solutions
- Multi-contact, micro-miniature and switching solutions



## RF Board-to-Board Connectors

### Solutions up to 65 GHz

- SMP-MAX: Cost-effective solution for maximum mechanical misalignment
- SMPM, MMBX, IMP, SMP, BMR solutions for board-to-board or filter and blind mate applications
- Angle tolerance up to 6°
- Small to large spacing with up to 2mm tolerance
- Excellent power handling and VSWR
- Advanced materials and plating
- Press mount, panel-mount, bulkhead, SMT, thru-hole, edge card receptacles







## Fiber Optic Solutions

### Reliable Optical Interconnects

- Standard and custom length outdoor N type fiber patchcords RXF
- RXF connector kits for factory termination: SM/MM, 1-6 channels
- OPUS, OSIS®, OCTIS™ connector kits for in-field assembly
- PC, APC, expanded beam outdoor, harsh environment solutions
- Customer defined fiber-optic harnesses
- Standard and custom length indoor patchcords: LC, SC, ST



## Antennas

### Specialized Antennas for Improved Wireless Communication

- Swivel, patch, whip, printed
- Monopole, dipole, directional, omnidirectional
- Single, dual, and multiband, external or embedded
- Overmolded, outdoor, ruggedized
- Custom applications, low to high power
- WLAN, WiFi, BT, ISM, Cellular Bands, GPS
- In house design, analysis and testing
- Millimeter wave PTP (60-80 GHz, V-Band, E-Band)



## RF & Microwave Cable Assemblies

### Complete Range of Cable Assemblies

- High precision wrapping technology
- SHF, DC to 50 GHz
- Ultra low loss cables
- 1 to 22 mm diameter cables
- High flexure life cycle and durability
- Outdoor, IP-rated
- AEP cable assembly range
- Lightweight
- Flexible, hand-formable, corrugated
- Low-PIM RF jumpers (4.3/10, QLI, 4.1/9.5, 7/16, N)
- Short-Bend





## RF & Microwave Components

### Accessories for Design Validation Testing

- Comprehensive range of components up to 40 GHz
- Coaxial and SMT terminations, couplers, attenuators
- High powered terminations
- Low powered terminations
- Coaxial detectors
- Coaxial devices (rotary joints, phase shifters, others)
- Cable loads
- RF adapters
- RF Test Probes



## Test Pro Cables

### Ultimate Bench Test Cables up to 67 GHz

- Test Pro 4.2: 2° phase variation, 0.05dB insertion loss up to 18 GHz
- Test Pro 3: 5° phase variation, 0.05dB insertion loss up to 40 GHz
- Test Pro 2: 6° phase variation, 0.05dB insertion loss up to 50 GHz
- 5,000 mating cycles
- 20,000 bending cycles
- Robust construction and shielding



## RF & Microwave Switches

### High Performance Switches up to 10 Million Cycles

- Comprehensive range of SPDT, DPDT, DP3T, SPnT switches terminated and unterminated
- Subminiature SPnT series
- Frequency range up to 50 GHz
- High reliability RAMSES patented modular technology
- Low PIM series
- SMA, SMA2.9, QMA, N, BNC, TNC interfaces and more
- 160dB



# reliable







Our most  
important  
connection  
is with you.™

It's not just a slogan. It's a statement of our earnest desire to put you at the forefront of all our business practices. As part of Radiall's mission to be available and accessible, we make it a priority to have local offices around the globe ready and able to assist you – wherever you are, whenever you need us.

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