

DISTRIBUTION LINE CARD

Brochure



SIMPLIFICATION IS OUR INNOVATION

Radiall 

EPX™ SERIES

- A modular, user-friendly connector with a large variety of options and configurations
- The EPX series of connectors EPXA, EPXB1, EPXB2, EPXB3, EPXB4
- Many insert configurations available for signal, power, fiber optics, and GbE links
- Type of contacts: Signal, Power, Coaxial, Twinax, Triax Quadrax, BMA, LuxCis, Signal

- PC Tail and Quadrax size 8 PC Tail
- Available in Aluminum or Composite
- Inserts can be wired in the workshop and later installed in the shells
- Disconnect or Rack & Panel Models
- Cable-to-cable or PCB-to-cable links
- Bulkhead Panel Sealing Inserts



QUICKFUSIO & QUICKFUSIO+

- Quick mating, fully composite tool less connector with one finger mating
- Harness-to-harness connection and harness-to-equipment connection
- Compatible with SAE-AS-38999 size 11 accessories
- Standard SAE-AS-38999 contacts

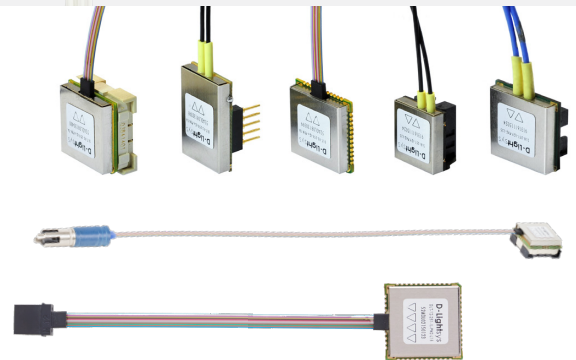
- 40% smaller and 20% lighter than competition
- Various insert configurations to accommodate signal, power, fiber, GigaBit and Quadrax needs
- Multiple mounting configurations



D-LIGHTSYS®

- Ruggedized optical transceiver up to 12 channels with performance at 10 Gbps per channel
- Small footprint and extended link budget
- Low power consumption especially suited for on board application (aircraft, UAV's, Satellites)

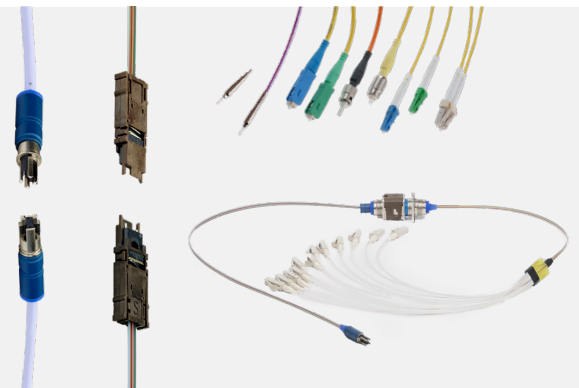
- Compatible with most digital balanced signal protocols
- Shock and vibration compliance with MIL standards
- Meets IEEE std 10G Base-SR10, Fiber Channel, Infiniband, SFPDP, sRIO, VSR requirements, ARINC818 and DVI video standards



RUGGEDIZED & HARSH ENVIRONMENT HIGH DENSITY FIBER

- LuxCis ARINC 801
 - Excellent optical performance maintained in harsh and ruggedized environment
 - Expandable range of rectangular and circular connections, keyed contact available
- C-MTitan
 - High density solution with MT cartridge contact for inside the box applications

- Q-MTitan
 - Ruggedized solution that protects an MT ferrule and provides high density in harsh environments
 - Fits inside standard size 8 Quadrax cavities for outside the box applications
- Full harness capabilities & cable assembly from design to delivery of high end optical systems



F-LIGHT

- Digital optical receiver and transmitter 850 nm
- Data rates up to 5 Gbps
- Complies with IEEE standard 802.3z gigabit ethernet 1000 base-Sx PMD, Arinc 804 and PCI Express

- Low power consumption (~160 mW)
- Optimized for short distance Board-toBoard communications
- Compliant with MIL-STD 810/883 and DO-160D standards for temperature, damp heat, shocks and vibrations



RF COAXIAL CONNECTORS & MICROWAVE COMPONENTS

- Comprehensive range of RF connectors up to 100 GHz
- SMA, SMP, SMPM, SMPW, N, TNC, SMB, SMC, SSMC, MMCX, MCX, BNC, QRE, QN, QMA
- Blind mate: BMA, SBMA, SMP, SMPM, MMBX
- Locking connectors series: SMP, TNC, SMA 2.92, N, SMB
- Board-to-Board RF interconnects: IMP, MMBX, SMP, SMPM, SMP-MAX, SMPW
- Compact & Low intermodulation Solution, NEX10, 4.3-10, 4.1-9.5
- Switching connectors: Moebius, MC-Card, SMA, QMA, QN, N and TNC
- Waterproof, stainless steel, light weight, hermetic and reverse polarity connectors
- MIL-PRF-39012 QPL connectors
- Full line of RF adapters in series, between series, push on, quick disconnect and precision adapters
- Banana plugs 2 mm, 4 mm and Adapters
- Power dividers



OCTIS™

- Perfect for outdoor projects
- Lightning and EMI protection
- Available Configurations for OCTIS™, SFP/ SFP+ transceiver integration, RJ45 for cat5e or cat6 Ethernet Signal, Power (AC/ DC),
- Signal, Hybrid of Power and Signal
- Universal and Universal Wide (MT, SC, LC, RJ45, etc)
- 100 mating cycles
- Up to 200 N cable tensile load
- IP67 sealing protection
- 720H Salt Spray
- Temperature range -40 °C to +85 °C
- Articulated extension



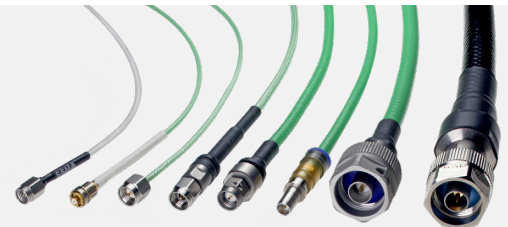
TESTPRO CABLE ASSEMBLIES

- VNA Series, DC-67 GHz, DC-50 GHz
- TestPro2 DC-67 GHz, DC-50 GHz, TestPro3 DC-26.5 GHz, DC-40 GHz, TestPro4.2S DC-18 GHz, TestPro4.2S DC-20 GHz TestPro5 DC-26.5 GHz, TestPro8 DC-18 GHz
- Connector series: SMA, SMA 3.5, SMA 2.9, SMA 2.4, SMA 1.85, NMD 2.9, N, TNC, PC7
- 5,000 mating/unmating life cycles
- Flex life: over 20,000 flex cycles per MIL IEC966-1
- Phase and loss stability
- Low profile connector configurations
- TVAC options available
- Phase matching options



SHF CABLE ASSEMBLIES

- SHF2.2UF DC-40 GHz, SHF2.2M DC-40 GHz, SHF3 DC-40 GHz, SHF3M DC-40 GHz, SHF3UF DC-40 GHz, SHF4M DC-40 GHz, SHF4.2M DC-30 GHz, SHF4.6M DC-32 GHz, SHF5 DC-26.5 GHz, SHF5M DC-26.5 GHz, SHF5UF DC-26.5 GHz, SHF8 DC-18 GHz, SHF8M DC-18 GHz, SHF13 DC-9.5 GHz
- Connector series: SMPM, SMP, SMP Lock SSMA, MCX, SMA, SMA 2.9, SMA 3.5, QMA, QN, BMA, TNC 18, N 18, N Lock, SMA 2.9 Lock, TNC Lock
- Phase matching options
- Armored options available
- Lightweight and airframe cables



RF CABLE ASSEMBLY MODELS

- Short bend
- Hand-formable
- Semi-rigid
- RG flexible
- AEP195FR through AEP600FR cable
- Custom cable assemblies and lengths available



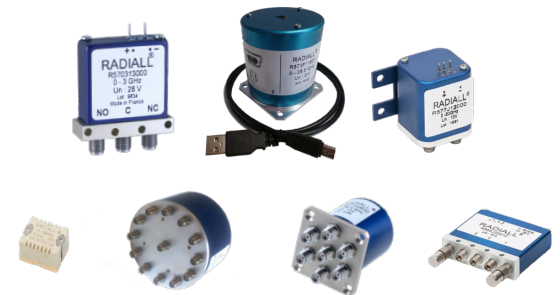
SIMPLIFICATION is our INNOVATION

We advance the design and engineering process for innovators, ground-breakers and pioneers of technology. We reduce weight, improve durability and streamline installation to provide leading-edge connectors that drive product performance.

RF & MICROWAVE SWITCHES

- High reliability RAMSES patented modular technology, no soldered wires
- More than 10 million actuations
- Frequency range up to 50 GHz
- Comprehensive range of SPDT, DPDT, DP3T, SPnT (1x3 through 1x12)
- Terminated and unterminated versions
- Smallest subminiature SPnT
- TVAC switches: thermal vacuum

- High performance Titanium and Platinum switches with long life span and guaranteed repeatability 0.03 dB on IL
- Low PIM switch series 160 dBc: passive intermodulation
- Quartz SMT (Surface Mount Technology) Switches, DC-8 GHz, DC-18 GHz and DC-26.5 GHz series



ANTENNAS

- Manpack, vehicle and handheld radios
- UAV/UGV2 and other sensors
- Antenna frequency: 30 MHz and up
- Single, dual and multi-band, external or embedded
- Active and passive GPS (L1 and L1/L2)
- Overmolded, whip, patch printed

- N-type, TNC, SMA and specialty connectors
- MIL-STD 810 compliant
- Wireless network applications operating in 2.4 GHz-5 GHz bands
- Custom design applications, low to high power



CONTACT US

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GLOBAL PRESENCE

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