

# RF CONNECTOR & CABLE SOLUTIONS

PEI-Genesis is your global partner for a broad range of interconnect and cable solutions, specializing in harsh environments and industrial applications. With over \$100 million of connector inventory from industry-leading manufacturers, our dedicated team of engineers and specialists provide superior standard and custom solutions.

## AIM CAMBRIDGE

Offers a universal line of products that offer cost-effective, high-quality solutions for connectivity. These connectors are available in BNC, Type N, F Type, RCA, UHF, Mini-UHF, TNC, D-Sub, and Modular Plugs for Data/Telecom applications.

## Amphenol<sup>®</sup> RF

Amphenol RF solutions include waterproof IP-rated, non-magnetic, QPL military approved, 12G SDI, ruggedized, board-to-board, low PIM, high-frequency, quick-locking, ultraminature and tamper resistant options.

## JOHNSON<sup>TM</sup>

The breadth of products available within the Johnson range 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.

## MIDWEST MICROWAVE

Midwest offers a range of products for military and commercial applications, including Attenuators, Adapters, Terminations, Power Dividers, Couplers, and more. They also provide QPL-approved products in several series.

## Semflex microwave solutions

Semflex offers cost-effective solutions with a broad line of RF and microwave products, providing rapid turnaround time for new designs and high-quality products. The cable assemblies and connectors are specifically designed for optimal electrical, mechanical, and environmental performance.

## SV MICROWAVE Amphenol

Designs and manufactures RF/Microwave coaxial connectors, cable assemblies and passive components designed for military, IoT, 5G, satellite, high speed, aerospace, commercial and telecommunications applications.

## TIMES MICROWAVE SYSTEMS AN AMPHENOL COMPANY



























Times Microwave designs and manufactures high-performance coaxial cables, connectors, and custom solutions for demanding applications such as aerospace, military and defense, wireless infrastructure, and more.

## TROMPETER RF connectivity

Trompeter provides MIL-STD-1553B products such as couplers, connectors, cable assemblies, terminations, RFI caps, and adapters. They also supply Triax interconnect solutions for precision Test and Measurement applications and are a key supplier to the Video and Broadcast markets.

## VITELEC<sup>®</sup> ELECTRONICS

Offers RF coaxial interconnect products and cable assemblies for electronic and communication industries, with standard and custom designed options.

Product	RF Band	Brands	Markets	Parametric Data						
				Coupling Type	Impedance	Temperature Rating	Power handling	Insertion Loss	Cable Termination Style	Connector Family
 Twinax	Up to 200 MHz (extendable to 500 MHz with caution)		Broadband, Military, Instrumentation	Threaded, Bayonet	Non-Constant 50 Ohm (can be used with 50, 75, 93 Ohm)	-55°C to +85°C (PTFE) -45°C to +121°C (Rexolite)	Not rated	Not rated	Crimp, Solder	Standard
 UHF	Up to 300 MHz, extendable to 1 GHz		Antenna, Military, DAS, Public Safety, Low Freq. Application	Threaded	Non-Constant 50 Ohm	-65°C to +165°C (-55°C to +85°C for Rexolite)	500 W @ 100 MHz @ 25°C	Not rated	Crimp, Solder	Standard
 Triax	Up to 300 MHz (Triax-C) Up to 500 MHz (Triax BNC, TNC)		Industrial, Military, Instrumentation	Threaded, Bayonet	Non-Constant (can be used with 50, 75, 93 Ohm)	-55°C to +85°C (PTFE) -45°C to +121°C (Rexolite)	Not rated	Not rated	Crimp, Solder	Standard
 BNC	Up to 4 GHz, extendable to 12 GHz		Wireless, Satcom, Military, Medical, Broadcast, Telco, LAN, Instrumentation	Bayonet	50, 75 Ohm	-65°C to +165°C	316 W Max @ 1 GHz @ 25°C	0.2 dB Max @ 3 GHz	Crimp, Clamp, Solder, Twist On	Miniature
 N	Up to 11 GHz, extendable to 18 GHz		Antenna, Military, Instrumentation, Radar, Broadcast	Threaded	50, 75 Ohm	-65°C to +165°C (-40°C to +85°C for Phosphor Bronze contact)	300 W @ 10 GHz @ 25°C	0.15 dB Max @ 9 GHz (straight) 0.30 dB Max @ 10 Gz (right angle)	Crimp, Clamp, Solder, PCB Mount, others	Standard
 TNC	Up to 11 GHz, extendable to 18 GHz		Antenna, Industrial, Wireless, Military, Broadband	Threaded	50, 75 Ohm	-65°C to +165°C	316 W Max @ 1 GHz @ 25°C	0.18 dB Max @ 9 GHz (straight) 0.21 dB Max @ 9 Gz (right angle)	Crimp, Clamp, Solder, Twist On	Miniature
 SMA	Up to 18 GHz, extendable to 34 GHz		Antenna, Instrumentation, Wireless, PC/LAN	Threaded	50 Ohm	-65°C to +165°C (-40°C to +85°C for Phosphor Bronze contact)	75 W @ 10 GHz @ 25°C	0.06 √(f(GHz)) dB Max	Crimp, Solder	Sub-miniature
 BMA	Up to 22 GHz		Military, Aerospace, Microwave	Push-On, Snap-On	50 Ohm	-65°C to +165°C	Not rated	Not rated	Crimp, Solder, PCB Mount, others	Sub-miniature
 SMP	Up to 26.5 GHz, extendable to 40 GHz		Antenna, Instrumentation, Military, Broadband, Medical, Quantum Computing	Push-On, Snap-On	50 Ohm	-65°C to +165°C	32 W @ 1 GHz @ 25°C	0.1 √(f(GHz)) dB Max	Crimp, Solder, PCB Mount, others	Sub-miniature
 SMPM	Up to 26.5 GHz, extendable to 65 GHz		Antenna, Instrumentation, Military, Broadband, Medical, Quantum Computing	Push-On, Snap-On	50 Ohm	-65°C to +165°C	16 W @ 1 GHz @ 25°C	0.1 √(f(GHz)) dB Max	Crimp, Solder, PCB Mount, others	Micro-miniature
 SMPS	Up to 26.5 GHz, extendable to 65 GHz		Military, Aerospace, Board-To-Board, High-Density Multiport, Instrumentation	Push-On, Snap-On	50 Ohm	-65°C to +165°C	Not rated	Not rated	Solder	Micro-miniature
 2.92mm	Up to 40 GHz		Military, Satcom, Microwave, Instrumentation, Quantum Computing	Threaded	50 Ohm	-65°C to +165°C	Not rated	Not rated	Solderless, Solder	Sub-miniature
 2.4mm	Up to 50 GHz		Military, Aerospace, PCB, High-Density Multiport, Instrumentation	Threaded	50 Ohm	-65°C to +165°C	Not rated	Not rated	Solderless, Solder	Sub-miniature