



RF CONNECTOR & CABLE SOLUTIONS

PEI-Genesis offers a wide range of RF interconnects, backed by expert guidance from design to delivery, ensuring dependable connectivity for diverse setups. Our portfolio features robust solutions from top manufacturers like Amphenol RF, SV Microwave, Times Microwave Systems, Micro-Mode, and Cinch Connectivity Solutions' Johnson and Trompeter RF lines.



Amphenol® RF



















SV MICROWAVE Amphenol

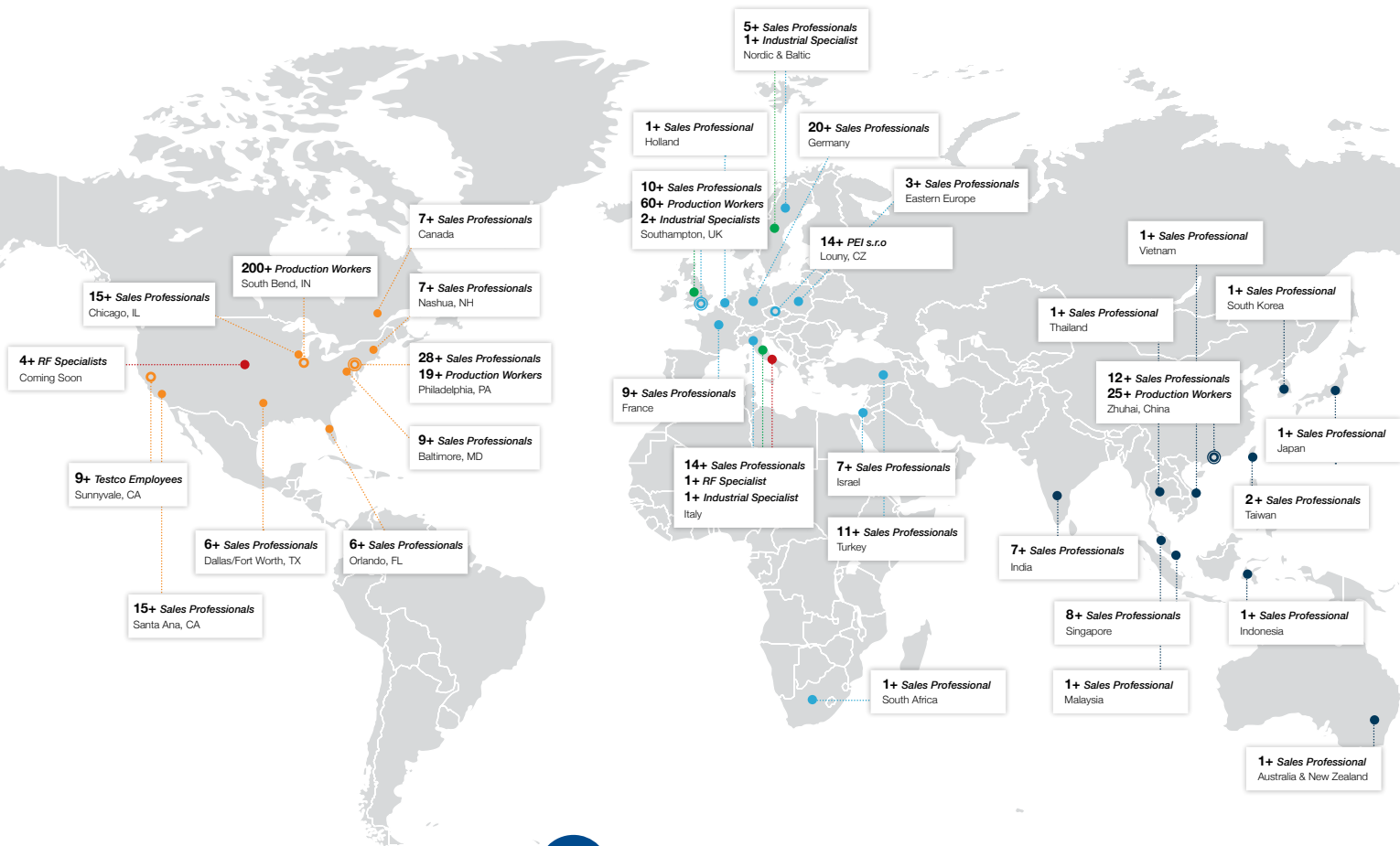
TIMES
MICROWAVE SYSTEMS
AN AMPHENOL COMPANY

 **cinch**
CONNECTIVITY SOLUTIONS
a bel group


Micro-Mode Products

RF QUICK REFERENCE GUIDE

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)	Amphenol RF Cinch - Trompeter	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	Amphenol RF	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)	Amphenol RF Cinch - Trompeter	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
 SMB	Up to 4 GHz, Extendable to 10 GHz	Amphenol RF Cinch - Johnson	Antennas, Telecom, Radio Boards, PC/LAN, GPS, Satcom, Base Stations, Instrumentation	Threaded, Push-On	50 Ohm	-65°C to +165°C	95 W @ 1 GHz @ 25°C	.30 dB @ 1.5 GHz Max (Straight) .60 dB @ 1.5 GHz Max (Right Angle)	Crimp, Clamp, PCB, Solder, End Launch	Sub-Miniature
 BNC	Up to 4 GHz, Extendable to 12 GHz	Amphenol RF Cinch - Trompeter	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
 MMCX	Up to 6 GHz	Amphenol RF Cinch - Johnson	Antennas, Instrumentation, Satcom, Base Stations, Telecommunications, Broadband, GPS	Snap-On	50 Ohm	-40°C to +90°C	63 W Max @ 1 GHz	.1 √(f(GHz)) dB Max	Crimp, Solder, Press Fit	Sub-Miniature
 UMC	Up to 6 GHz	Amphenol RF Cinch - Johnson	PC, Wireless LAN, Mobile Phones, GPS, Bluetooth, Microwave Radio	Snap-On	50 Ohm	-40°C to +90°C	14W @ 1 GHz @ 25°	0.1dB max @ 3 GHz, 0.15dB max @ 6GHz	PCB	Ultra-Miniature
 N	Up to 11 GHz, Extendable to 18 GHz	Amphenol RF	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	Amphenol RF SV Microwave	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
 MCX	Up to 12 GHz	Amphenol RF Cinch - Johnson	WLAN, GPS, PC/LAN, Automotive, Base Station, Head End, Radios, Antennas, Instrumentation, Telecommunications	Snap-On	50 or 75 Ohm	-65°C to +165°C	95 W Max @ 1 GHz @ 25 °C	0.10 db Max @ 1 GHz	Crimp, PCB, Solder, End Launch	Sub-Miniature
 SMA	Up to 18 GHz, Extendable to 34 GHz	Amphenol RF SV Microwave Cinch - Johnson	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	SV Microwave	Military, Aerospace, Microwave applications	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	Amphenol RF SV Microwave Micro-Mode Cinch - Johnson	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	Amphenol RF SV Microwave Micro-Mode Cinch - Johnson	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	SV Microwave Micro-Mode	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	SV Microwave Cinch - Johnson	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	SV Microwave	Military, Aerospace, PCB, High-density multiport, Instrumentation	Threaded	50 Ohm	-65°C to +165°C	Not rated	Not rated	Solderless, Solder	Sub-miniature
 1.85mm	Up to 65 GHz	SV Microwave Cinch - Johnson	Military, Aerospace, SATCOM, Test & Measurement	Threaded	50 Ohm	-65°C to +165°C	-	.04 √ f (GHz) dB max	PCB, Solder, End Launch	Sub-Miniature



We believe business is personal.

PEI-Genesis has 14 sales office locations worldwide, giving you local access to our sales and engineering teams.

TOLL FREE: 866.734.9111 (North America), +44 (0) 23 8062 1260 (Europe), +86 756 7683 088 (Asia) • EMAIL: sales@peigenesis.com

Visit www.peigenesis.com to view a complete list of suppliers, inventory, and configuration tools.

