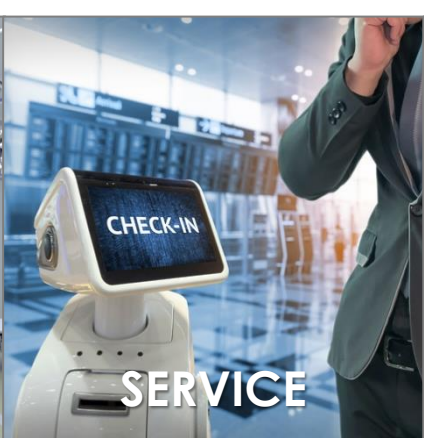


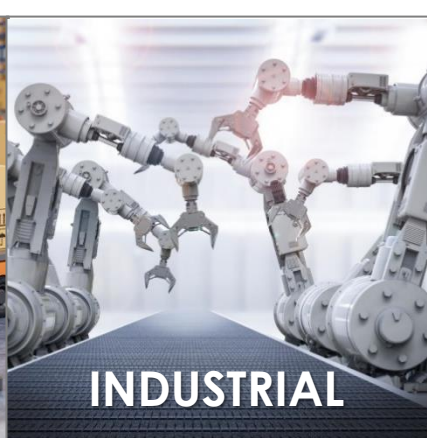
**MEDICAL**



**SERVICE**



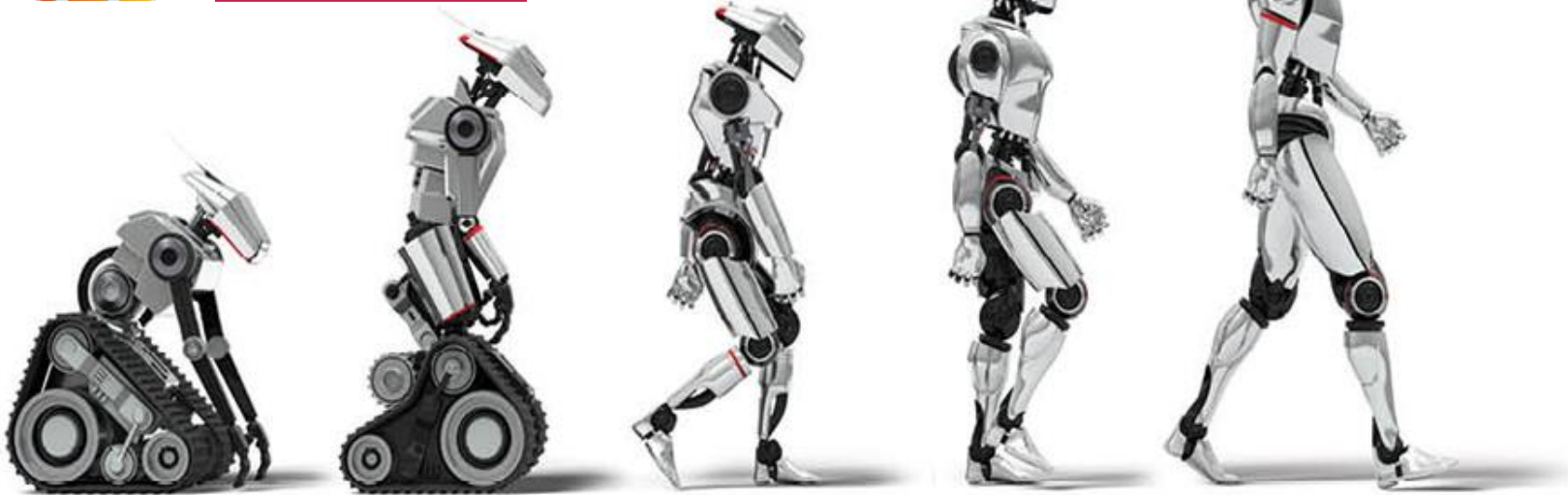
**WAREHOUSE**



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**TRAVEL**



**DEFENSE**



**DRONES**

# INTERCONNECT AND MICROWAVE SOLUTIONS FOR ROBOTIC APPLICATIONS



The existence of robot-human collaboration has existing for several decades, with basic robotic arms increasing efficiencies in mass production operations. Military drone vehicles and aircraft have helped keep troops out of unnecessary harm and autonomous agriculture equipment has allowed farming to operate 24 hours a day and achieve huge productivity gains.

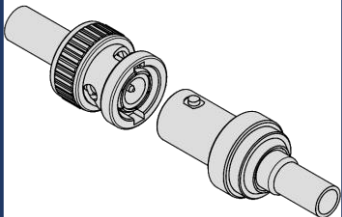








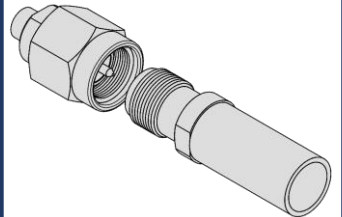
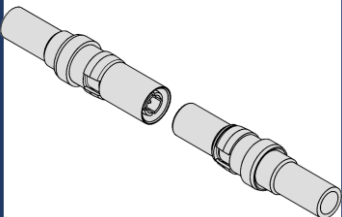
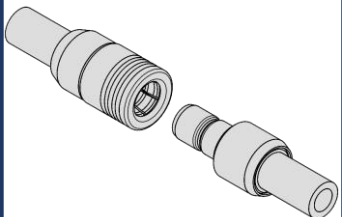
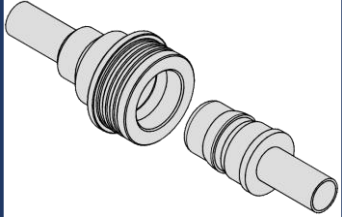
Today, robotics are taking on much larger roles across many new markets as a post-COVID world changes the way we interact and advances in technology allows us to bring more intelligence into the robotics world. New applications in medical surgery, care-giving, customer service, inner city travel, warehouse logistics and delivery services have fueled development in new intelligent robotics and autonomous vehicles.

These new families of robotic and autonomous devices incorporate components that cover a vast range of technical and commercial requirements from ruggedized designs with low ingress performance, to small size, high frequency capability to meet the demands from 5G networks.

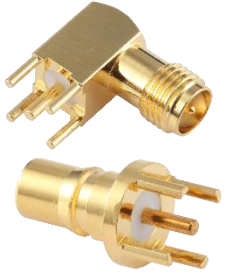



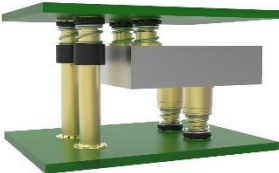
At East Coast Microwave (ECM) we have spent decades partnering with the world's leading companies in high performance, high speed interconnect solutions. Today we offer a portfolio of products that exceeds 1 million different part numbers, and we stock over 250,000 different items in our Woburn MA facility. These included RF Connectors up to 110GHz for both cable and PCB applications, Standard Cable Assemblies, Adapters & Microwave Switches. We also offer rapid delivery service on custom cable assemblies direct from our Woburn factory (AS9100D) or from several manufacturing partners located here in the Americas. In addition to these items, we also stock Power Dividers, Low Noise Amplifiers, Protectors, Attenuators, Terminations along with a host of other Microwave components.

At ECM we are here to support **all** your Robotic Interconnect requirements. Our Customer Service team has decades of experience and can help you navigate all available options so that we provide you with the perfect solution to your testing needs. At ECM **Every Customer Matters.**

# CABLE CONNECTORS










	<p><b>BAYONET</b></p>	<p>1.0mm 1.85mm 2.4mm 2.92mm 3.5mm BNC F Type GPO GPPO G3PO G4PO MCX MMBX MMCX N Type QMA SMA SMB SMBM SMC SMP SMP-LOCK SMP-SL SMPM SMPM-LOCK SMPM-T SSMA SSMB SSMC TNC</p>	<p>Amphenol® RF    CORNING    HUBER+SUHNER    molex®  Radiall   Rosenberger    San-tron        withwave</p>
	<p><b>THREADED</b></p>		
	<p><b>BLINDMATE</b></p>		
	<p><b>SNAP-ON</b></p>		
	<p><b>LOCKING</b></p>		

# PCB CONNECTORS

	<p><b>THRU HOLE</b></p>	<p>1.0mm 1.85mm 2.4mm 2.92mm 3.5mm</p>	<p>Amphenol® RF CARLISLE INTERCONNECT TECHNOLOGIES CORNING</p>
	<p><b>SURFACE MOUNT</b></p>	<p>BNC F Type GPO GPOO G3PO G4PO</p>	<p>GigaLane HUBER+SUHNER cinch JOHNSON CONNECTIVITY SOLUTIONS a bel group</p>
	<p><b>EDGE LAUNCH</b></p>	<p>MCX MMBX MMCX N Type</p>	<p>molex® Radiall Rosenberger</p>
	<p><b>COMPRESSION SOLDERLESS</b></p>	<p>QMA SMA SMB SMBM SMC SMP</p>	<p>samtec San-tron SOUTHWEST MICROWAVE</p>
	<p><b>BOARD 2 BOARD</b></p>	<p>SMPM SSMA SSMB SSMC TNC</p>	<p>TE connectivity Winchester Interconnect. withwave</p>

# CABLE ASSEMBLIES

## Precision Test Cables

	<b>MiniBend</b>	<b>Semi Rigid</b>	<b>HUBER+SUHNER</b>	
	<b>MicroBend</b>	<b>Semi Rigid</b>		
	<b>SucoFlex®</b>	<b>Flexible</b>		
	<b>SucoTest</b>	<b>Flexible</b>		
	<b>SHF Range</b>	<b>Flexible</b>		<b>Radiall</b> 
	<b>Test Pro</b>	<b>Flexible</b>		
	<b>Clarity™</b>	<b>Flexible</b>	 <b>TIMES</b> MICROWAVE SYSTEMS	
	<b>MilTech®</b>	<b>Flexible</b>		
	<b>PhaseTrack®</b>	<b>Flexible/Semi Rigid</b>		
	<b>Silverline®</b>	<b>Flexible</b>		
	<b>LA Series</b>	<b>Flexible</b>	<b>Rosenberger</b>	
	<b>LU Series</b>	<b>Flexible</b>		
	<b>UTiFLEX®</b>	<b>Flexible</b>	 <b>CARLISLE</b> INTERCONNECT TECHNOLOGIES	
	<b>UTiPHASE®</b>	<b>Flexible</b>		

## Custom Cable Assemblies

Flexible  
Conformable  
Semi-Rigid  
Phase Matched  
Express Delivery

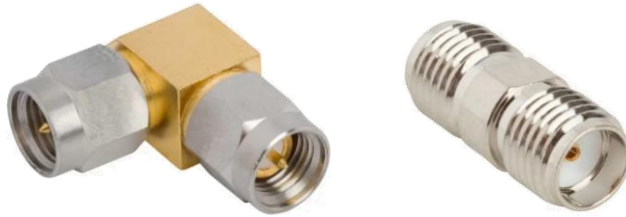


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# ADAPTERS

## In Series



1.0mm	1.85mm	2.4mm	2.92mm
3.5mm	BNC	C Type	F Type
GPO	GPPO	G3PO	G4PO
MCX	MMBX	MMCX	N Type
QMA	SMA	SMB	SMBM
SMC	SMP	SMPM	SSMA
SSMB	SSMC	TNC	

## Between Series











1.0mm	1.85mm	2.4mm	2.92mm
3.5mm	BNC	C Type	F Type
GPO	GPPO	G3PO	G4PO
MCX	MMBX	MMCX	N Type
QMA	SMA	SMB	SMBM
SMC	SMP	SMPM	SSMA
SSMB	SSMC	TNC	

- Amphenol® RF**
- CARLISLE**  
INTERCONNECT TECHNOLOGIES
- CORNING**
- GigaLane**
- HUBER+SUHNER**
- cinch** JOHNSON  
CONNECTIVITY SOLUTIONS  
a bel group
- molex®**
- Radiall**
- Rosenberger**
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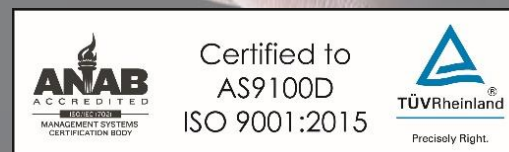
# MICROWAVE SWITCHES

	Family	Series	RF Type	Max Freq.	Interface
       	<b>Ramses</b>	<b>R573</b>	<b>SPnT</b>	<b>40GHz</b>	<b>2.4mm</b> <b>BNC</b> <b>DIN 1.6/5.6</b> <b>N Type</b> <b>PC Mount</b> <b>SMA2.9</b> <b>SMA</b> <b>SMB</b> <b>SMBM</b> <b>SMC</b> <b>QMA</b> <b>TNC</b>
		<b>R574</b>			
		<b>R570</b>	<b>SPDT</b>	<b>70GHz</b>	
		<b>R572</b>	<b>SPDT</b>	<b>50GHz</b>	
		<b>R577</b>	<b>DPDT</b>	<b>40GHz</b>	
		<b>R585</b>	<b>SPDT ZC*</b>	<b>50GHz</b>	
	<b>DP3T</b>				
	<b>BYPASS</b>				
	<b>Subminiature</b>	<b>R591</b>	<b>SPnT</b>	<b>40GHz</b>	
	<b>Platinum</b>	<b>R593</b>	<b>DPDT</b>	<b>40GHz</b>	
		<b>R594</b>	<b>SPnT</b>		
		<b>R595</b>	<b>SPDT</b>		
			<b>SPDT ZC*</b>		
			<b>DP3T</b>		
	<b>BYPASS</b>				
	<b>Titanium</b>	<b>R51X</b>	<b>SPnT</b>	<b>40GHz</b>	
	<b>Slimline</b>	<b>R596</b>	<b>SPDT</b>	<b>8GHz</b>	
			<b>BYPASS</b>		
<b>Ramses Low PIM</b>	<b>R570XXXXXXLP</b>	<b>SPDT</b>	<b>18GHz</b>		
	<b>R577XXXXXXLP</b>	<b>DPDT</b>			
	<b>R573XXXXXXLP</b>	<b>SPnT</b>			
<b>Tvac</b>	<b>R571F63121</b>	<b>SPDT</b>	<b>40GHz</b>		
	<b>R571863121</b>	<b>SPDT</b>			
	<b>R578F63121</b>	<b>DPDT</b>			
	<b>R578863121</b>	<b>DPDT</b>			
	<b>R583XXX122</b>	<b>SPnT</b>			
	<b>R583XXX121</b>	<b>SPnT</b>			
	<b>R583833121</b>	<b>SPnT</b>			

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