

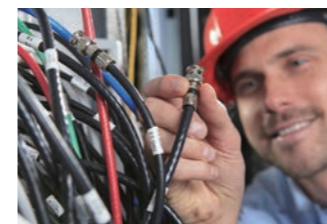
Brands We Work With

We are fortunate to work alongside world-class brands for many electronic projects and trusted by them. Will your name be next on this list ?

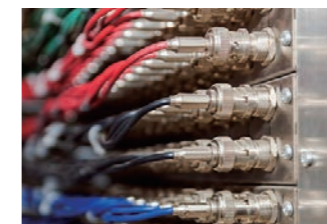


One-Stop RF Coaxial Connectors & Cable Supplier

180+ Countries 30,000+ Project Cases



 America



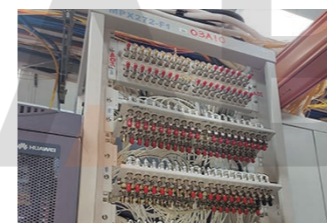
 German



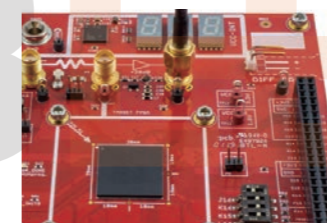
 India



 Singapore



 New Zealand



 Canada



 Israel



 Portugal



 Japan



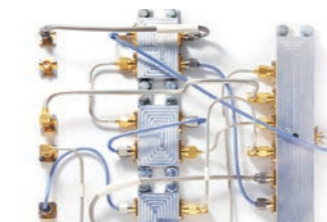
 Italy



 Britain



 Netherlands



 Korea



 Australia



 France



 Mexico



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Address: Room 708, 7th Floor, Building 2, No. 489, Guanghuadong Third Road, Qingyang District, Chengdu, Sichuan, China

+ CATEGORIES

We stand behind all of our high quality products.
With everything we manufacture we use the best processes and materials available.

01 About Us

Company Profile	01
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Metabee (Chengdu) Technology Co., Ltd.

180+

Countries

300+

Workers

20,000M²

Production Workshop

16,0000,00

Group Assets

Metabee (Chengdu) Technology Co., Ltd. established in 2022 located in Sichuan Province with convenient transportation. Our associated factory Jiangmen Dosin specialize in producing RF connectors, M series connectors, and cables.

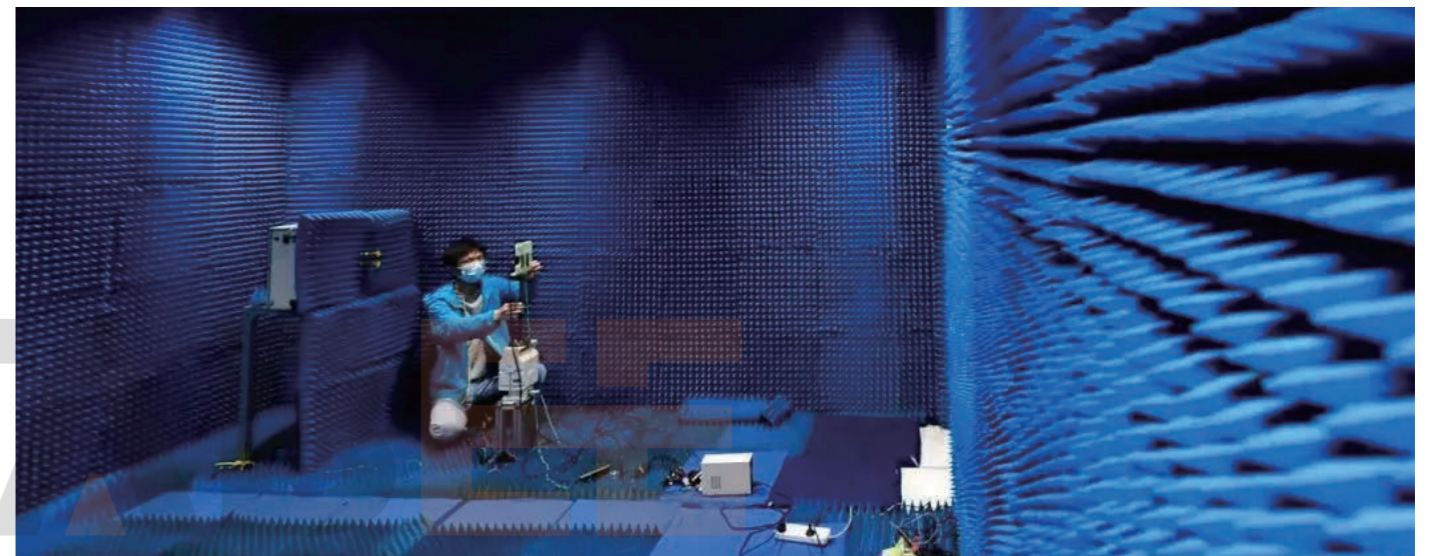
We are committed to being the world's leading Manufacturer of electronic connectors and industrial cables. We have developed more than 20 product series and more than 5,000 varieties. These products have been widely sold to many countries and regions around the world. They are mainly used for outdoor lighting automation machinery, new energy vehicles, charging equipment, electricity generation facilities, and other industries.

We can also support OEM ODM and customized related products. All products have owned American UL, German TUV, and Europe CE ROHS certifications and have several design patents. Our associated factory has production workshop with an area of 20,000 square meters, more than 300 employees, 30 international advanced production lines, and tens of precision testing equipment. Moreover, we have constructed a specialized laboratory for product research and development. Our reliable product quality, good service, and rapid technical have helped us win many customers in China and overseas markets.

Metabee (Chengdu) Technology Co., Ltd. has become the leading technology and scale Enterprise in the connector field. We have a reliable reputation among our customers because of our professional services, quality products, and competitive prices. We welcome customers from home and abroad to cooperate with us for Common success.

02 Product Categories

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Automatic Insertion Force Test Machine



High Voltage Insulation Tester



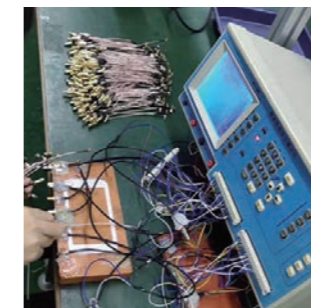
S-parameter Vector Network Analyzer(VND)



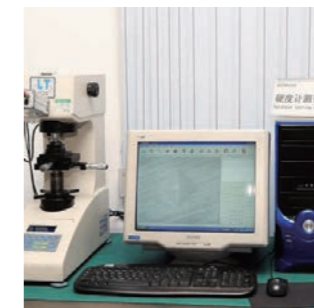
Salt Spray Test Machine



Constant Temperature and Humidity Machine



Precision Connector Tester



Hardness Testing Machine



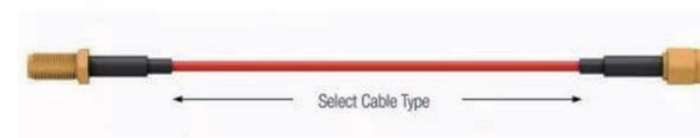
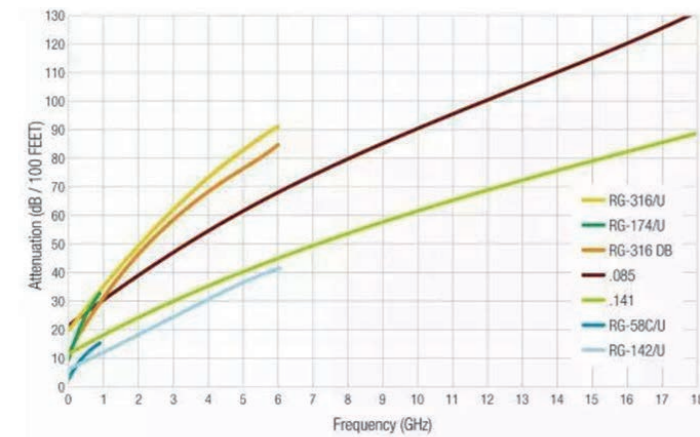
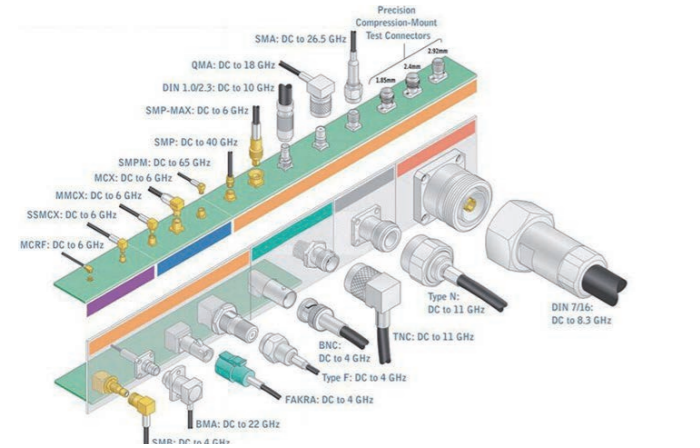
X Ray Fluorescence Analyzer

RG Series Coaxial Cable

RF offers a robust portfolio of coaxial cables assemblies for use in radio frequency applications. These assemblies are available for all industry standard coax cable types engineered with in-series (similar) or between-series (dissimilar) interfaces, or in some cases an unterminated or blunt cut end on one side of the assembly.

Coaxial cable assemblies are an ideal solution for transmitting RF signals from one connection to the next within a system. They are most often used to connect a Printed Circuit Board (PCBs) to other PCBs but can also be used for I/O connections and to connect external antennas to wireless modules. Assemblies can vary in length from 2 inches (50 mm) to 1200 inches (100 feet) with various configurations (female (jack) to female, male (plug) to male, female to male, male to female), orientation (straight, right-angle) and mounting (bulkhead) options. These attributes, along with unique design features, allow standard assemblies to meet the specific design requirements of various applications across markets.

Our line of high-performance precision test cables (ATC-PS) feature additional phase stable and low loss capabilities which makes them ideal for test and measurement laboratory usage. Custom cable assemblies are available and offer a more tailored solution than standard products.



Step 1: Choose Connector Type

Case: How to confirm RF Cable Assembly

Q: I need a RF Cable Assembly.

A: Pls advise the connector on both end?

Q: SMA Female on one end and N Male on the other end.

Step 2: Choose Cable Type

Q: What cable type do you want to use?

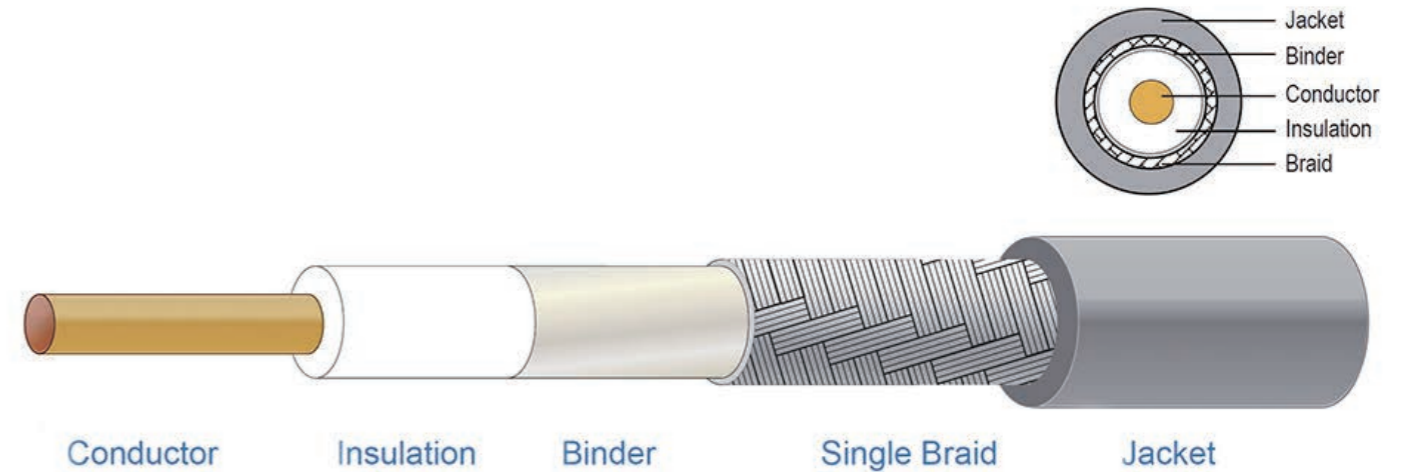
A: RG58 cable.

Step 3: Choose Cable Length

Q: How long the cable do you need?

A: 1M.

Structure Diagram of RF Harness



RG Series Coaxial Cable

Cable Type	Inner Conductor		Insulation	OD mm	Jacket		Impedance (ohm)	Temperature (°C)
	Material	OD mm			Material	OD mm		
RG178	Silver plated copper or Silver plated copper clad steel		PTFE	0.86	FEP	1.83	50	-55 to +200
RG179	Silver Plated Copper Clad Steel		PTFE	1.6	FEP	2.54	75	-55 to +200
RG316	Silver plated copper		PTFE	1.52	FEP	2.5	50	-55 to +200
RG174	Bare copper		PE	1.52	PVC	2.6	50	-40 to +80
RG58	Tinned copper		PE	2.95	PVC	4.95	50	-20 to +80
RG59	Bare copper		FPE	3.66	PVC or PE	6.1	75	-20 to +80
RG141	Silver Plated Copper Clad Steel		PTFE	2.95	Glass fiber weaving	4.83	50	-55 to +250
RG142	Silver Plated Copper Clad Steel		PTFE	2.95	FEP	4.95	50	-55 to +200
RG316D	Silver Plated Copper Clad Steel		PTFE	1.52	FEP	2.9	50	-55 to +200
RG223	Silver plated copper		PE	2.95	PVC	5.3	50	-40 to +80
RG6	Bare copper		PE	4.8	PVC	7.2	75	-40 to +80
RG8	Bare copper		PE	7.3	PVC	10	50	-40 to +80
RG11	Bare copper		PE	9	PVC	12.2	75	-40 to +80
RG213	Bare copper		PE	7.24	PVC	10.3	50	-40 to +80
RG214	Bare copper		PE	7.24	PVC	10.8	50	-40 to +80

LMR Series Coaxial Cable

Cable Type	Inner Conductor		Insulation		Jacket		Impedance (ohm)	Temperature (°C)
	Material	OD mm	Material	OD mm	Material	OD mm		
3D-FB	Bare copper/Copper clad aluminum		FPE	3	PVC	5	50	-25 to +70
5D-FB	Bare copper/Copper clad aluminum		FPE	5	PVC	7.5	50	-25 to +70
7D-FB	Bare copper/Copper clad aluminum		FPE	7.24	PVC	9.8	50	-25 to +70
8D-FB	Bare copper/Copper clad aluminum		FPE	7.8	PVC	10.4	50	-25 to +70
LMR-100	Bare copper/Copper clad aluminum		FPE	1.52	PVC	2.79	50	-25 to +70
LMR-195	Bare copper/Copper clad aluminum		FPE	2.79	PVC	4.95	50	-25 to +70
LMR-200	Bare copper/Copper clad aluminum		FPE	2.95	PVC	4.95	50	-25 to +70
LMR-240	Bare copper/Copper clad aluminum		FPE	3.81	PVC	6.1	50	-25 to +70
LMR-300	Bare copper/Copper clad aluminum		FPE	7.83	PVC	7.62	50	-25 to +70
LMR-400	Bare copper/Copper clad aluminum		FPE	7.24	PVC	10.29	50	-25 to +70
LMR-500	Bare copper/Copper clad aluminum		FPE	9.4	PVC	12.7	50	-25 to +70
LMR-600	Bare copper/Copper clad aluminum		FPE	11.56	PVC	14.99	50	-25 to +70

SMA Connector

The SMA connector is a semi-precision sub-miniature RF and microwave connector that is extensively used. Especially for RF connections within electronic systems for frequencies up to 18 GHz and sometimes more.

The SMA connector comes in a variety of formats, male, female, straight, right-angled, bulkhead fitting, and many more enabling it to meet most requirements. Its sub-miniature size also enables it to be used, even within relatively small items of electronic equipment.

Although now well established, the SMA connector is likely to see its use extended as many new RF systems see their operating frequencies extending well into the microwave region.



SMA Panel Connector

SMA Cable Connector



Electrical & Mechanical Specifications

Impedance	50 Ω
VSWR	R/A type ≅ 1.5MAX, Straight type ≅ 1.3 MAX
Frequency Range	DC-6GHz
Center Contact Resistance	6 MΩ Max
Outer Contact Resistance	≅ 2.0 MΩ (Milliohms Max.)
Insulation Resistance	≅ 5 x 10 ³ MΩ (Megohms MIN.)
Mating Durability	≥ 500 Cycles
Fastening Type	1/4-36 Threaded

<p>YC-612-0326</p> <p>Waterproof Bulkhead SMA Female for PCB</p>	<p>YC-612-0011</p> <p>SMA Male Connector for PCB</p>	<p>YC-612-0522</p> <p>Right Angle SMA Female Connector for PCB</p>
<p>YC-612-0394</p> <p>Right Angle SMA Male Connector for PCB</p>	<p>YC-612-0098</p> <p>Edge Mount SMA Female Connector for PCB</p>	<p>YC-007-0262</p> <p>Edge Mount SMA Male Connector for PCB</p>
<p>YC-612-0239</p> <p>4 Hole Flange Mount SMA Female Receptacle</p>	<p>YC-612-0237</p> <p>Nickel Plated Chassis Mount SMA Female Receptacle</p>	<p>YC-612-0234</p> <p>4 Hole Flange Mount SMA Male Solder for Cable</p>
<p>YC-612-0223</p> <p>2 Hole Flange Mount SMA Female Receptacle</p>	<p>YC-612-0227</p> <p>Nickel Plated 2Hole Flange Mount SMA Female Receptacle</p>	<p>YC-612-0221</p> <p>2 Hole Flange Mount SMA Male Receptacle</p>
<p>YC-612-0220</p> <p>Nickel Plated 2 Hole Flange Mount SMA Male Receptacle</p>	<p>YC-612-0214</p> <p>Waterproof Bulkhead SMA Female Crimp for RG316/RG174</p>	<p>YC-612-0097</p> <p>SMA Male Connector Crimp for RG316/RG174</p>
<p>YC-612-1159</p> <p>Right Angle Waterproof SMA Female Crimp for Cable</p>	<p>YC-007-0258</p> <p>Rear Mount SMA Female Connector Solder for Cable</p>	<p>YC-612-1162</p> <p>Nickel Plated R/A SMA Female Connector for PCB</p>
<p>YC-612-1101</p> <p>Right Angle RP SMA Female Connector for PCB</p>	<p>YC-612-0543</p> <p>Surface Mount SMA Female Connector for PCB</p>	<p>YC-612-0311</p> <p>Right Angle SMA Male Solder for Cable</p>
<p>YC-612-0392</p> <p>SMA Male Connector Solder for RG402</p>	<p>YC-612-0493</p> <p>RP SMA Female Connector Solder for Cable</p>	<p>YC-612-1112</p> <p>Nickel Plated SMA Male Solder for Cable</p>

BNC Connector

BNC RF Connectors are used in surveillance projects for the output of camera equipment when the wire and the camera connection head. It consists of five independent signal connectors for RGB tri-color signals and line synchronization and field synchronization.

BNC RF connectors isolate the video input signal, reducing mutual interference between signals and increasing signal bandwidth to get the best signal response. Because the coaxial cable is a shielded cable with the advantages of long transmission distance and signal stability. BNC RF Connectors are now also used in a large number of communication systems.



BNC PCB/Panel Connector



Through Hole R/A Through Hole Edge Mount Flange Mount Front Bulkhead Rear Bulkhead

BNC Cable Connector




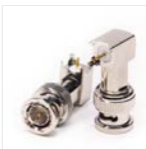


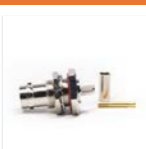

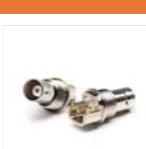
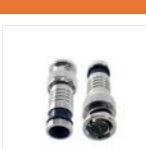
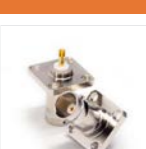
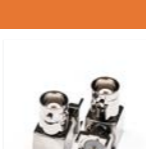
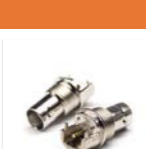


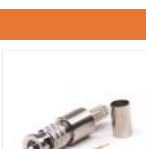
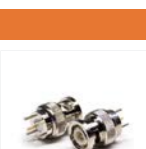
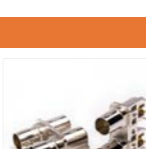
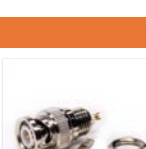


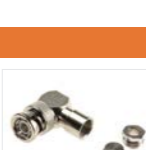

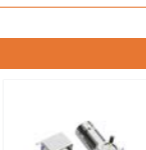
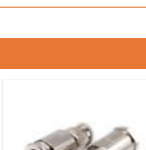
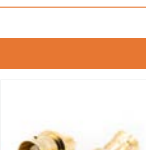
Crimp type Clamp type Twist-on Compression Terminal Screw Solder type

Electrical Specifications

Impedance	50 / 75 Ω
Frequency Range	0-4 GHz for 50 ohm
VSWR	R/A type ≅ 1.30/3GHz, Straight type ≅ 1.22/3GHz
Dielectric Withstanding Voltage	1500 V rms
Working Voltage	500 V rms
Center Contact Resistance	≅ 1.5 MΩ (Milliohms Max.)
Outer Contact Resistance	≅ 2.0 MΩ (Milliohms Max.)
Insulation Resistance	≅ 5 × 10 ⁹ MΩ (Milliohms min.)

Mechanical & Environmental Specifications

Fastening Type	Bayonet
Contact Retention	6 lbs min.
Mating Durability	≅ 500 Cycles
Environmental Characteristics	POM -40°C~+60°C, Teflon -55°C~+155°C
Coupling Nut Retention	100 lbs. min.
Vibration	MIL-STD-202 Meth. 204
Corrosion Resistance	MIL-STD-202 Meth. 101

<p>YC-610-1044</p> <p>BNC Male Connector for RG316</p> 	<p>YC-001-0140</p> <p>R/A 75ohm BNC Male Connector for PCB</p> 	<p>YC-001-0151</p> <p>Chassis Mount BNC Male Connector Solder for Cable</p> 
<p>YC-610-0035</p> <p>Right Angle Bulkhead BNC Female for PCB</p> 	<p>YC-610-0068</p> <p>Waterproof Bulkhead BNC Female Crimp for Cable</p> 	<p>YC-001-0156</p> <p>75ohm Edge Mount BNC Female Connector for PCB</p> 
<p>YC-001-0162</p> <p>SMT Type BNC Female Connector for PCB</p> 	<p>YC-610-0074</p> <p>Compression Type BNC Male Connector for Cable</p> 	<p>YC-001-0103</p> <p>4 Hole Flange Mount BNC Female Solder for Cable</p> 
<p>YC-610-1042</p> <p>Right Angle BNC Female Connector for PCB</p> 	<p>YC-610-1100</p> <p>Zinc Alloy R/A BNC Female Connector for PCB</p> 	<p>YC-001-0004</p> <p>Two R/A BNC Female Connector in 1Row for PCB</p> 
<p>YC-610-0017</p> <p>Six Right Angle BNC Female in 2Rows for PCB</p> 	<p>YC-001-0285</p> <p>Micro BNC Male Connector Crimp for Cable</p> 	<p>YC-001-0059</p> <p>50Ohm BNC Male Connector for PCB</p> 
<p>YC-001-0057</p> <p>Double R/A BNC Female Connector for PCB</p> 	<p>YC-610-1065</p> <p>Rear Mount BNC Male Connector Solder for Cable</p> 	<p>YC-610-0043</p> <p>Right Angle BNC Female Connector for PCB</p> 
<p>YC-610-0050</p> <p>R/A Bulkhead BNC Female with Plastic Shell for PCB</p> 	<p>YC-001-0290</p> <p>Right Angle BNC Male Connector Clamp for Cable</p> 	<p>YC-610-0022</p> <p>Straight BNC Female Connector for PCB</p> 
<p>YC-610-0027</p> <p>Right Angle BNC Female Connector for PCB</p> 	<p>YC-801-0608</p> <p>BNC Male Connector Clamp for RG8/LMR400 Cable</p> 	<p>YC-610-0066</p> <p>Gold Plated BNC Female Connector for PCB</p> 

N-type Connector

N-type connectors are designed to satisfy the need for a durable, weatherproof, medium-size RF connector with consistent performance. N connectors are available with impedance of 50ohm and 75ohm. The frequency range extends to 18GHz depending on the connector and cable type.

The screw-type coupling mechanism provides a sturdy and reliable connection. Connector styles are available for flexible, conformable, semi-rigid, and corrugated cable types. Both crimp and clamp cable termination processes are used for this series.



N-type PCB/Panel Connector



N-type Cable Connector



























Electrical Specifications

Impedance	50 / 75 Ω
Frequency Range	0-11 GHz
VSWR	R/A type ≅ 1.5MAX, Straight type ≅ 1.3 MAX
Working Voltage	1000 V rms
Withstand Voltage	1500V V RMS Max
Dielectric Withstanding Voltage	2500 V rms
Center Contact Resistance	≅ 1.0 MΩ (Milliohms Max.)
Outer Contact Resistance	≅ 0.2 MΩ (Milliohms Max.)
Insulation Resistance	≅ 5 x 10 ³ MΩ (Megohms MIN.)

Mechanical & Environmental Specifications

Fastening Type	Threaded
Mating Durability	≥ 500 Cycles
Contact Retention	6 lbs min.
Ingress Protection	IP65
Vibration	ML-STD-202 Meth. 204
Corrosion Resistance	ML-STD-202 Meth. 101
Coupling Nut Retention	30 in-lbs. MIN
Operating Temperature	-65°C~+165°C

YC-614-0228 4 Hole Flang Mount N Type Female for RG402 Cable 	YC-614-0235 4 Hole Flang Mount N Type Male Solder for PCB 	YC-614-0243 Rear Bulkhead N Type Female Solder for Cable 
YC-614-0146 Edge Mount N Type Female for PCB 	YC-614-0223 N Type Male Connector Clamp for RG59 Cable 	YC-614-0192 Right Angle N Type Male Connector Solder for RG405 
YC-614-0193 4 Hole Flange N Type Female Clamp for RG58 	YC-614-0232 4 Hole Flange N Type Female Crimp for RG58 	YC-614-0225 Waterproof Bulkhead N Type Female Clamp for RG58 
YC-614-0200 N Type Male Connector Clamp for RG58 	YC-614-0245 Waterproof Bulkhead N Type Female Crimp for RG316 	YC-614-0241 N Type Male Connector Crimp for RG316 
YC-614-0208 4 Hole Flange N Type Female for PCB Mount 	YC-614-0280 Waterproof Bulkhead N Type Female for PCB 	YC-614-0212 Rear Mounr Waterproof N Type Female Crimp for RG316 
YC-614-0240 N Type Male Connector Solder for Cable 	YC-614-0202 17.5mm Flange Mount N Type Female for PCB 	YC-614-0244 Waterproof Bulkhead N Type Female Solder for RG402 
YC-614-0234 4Hole Flange Mount N Type Female Solder for Cablev 	YC-614-0206 N Type Male Connector Crimp for RG316 	YC-614-0196 N Type Female Connector Clamp for LMR400 Cable 
YC-614-0226 Solderless N Type Male Connector for Cable 	YC-614-0217 Flange Mount HEX N Type Male for PCB 	YC-614-0145 R/A Waterproof N Type Female for PCB 

TNC Connector

The TNC connector series is a miniature, threaded weatherproof series with a constant 50 Ω impedance and a frequency range of DC to 11 GHz. The TNC series shares its contact design with the BNC series, utilizing a threaded coupling nut for secure mating and higher frequency performance than the BNC.

TNC connectors are available in both standard polarity and reverse polarity production. Reverse polarity is a keying system accomplished with a reverse interface and ensures that reverse polarity interface connectors do not mate with standard interface connectors. Amphenol accomplishes this by inserting female contacts into plugs and male contacts into jacks to ensure quality. Other manufacturers may use reverse threading to accomplish reverse polarity keying.

As a result of their versatility and durability, TNC connectors are ideal for a variety of applications.



TNC PCB/Panel Connector

TNC Cable Connector



Electrical & Mechanical Specifications

Impedance	50 Ω
Dielectric Withstanding Voltage	1500 VRMS Max
Insulation Resistance	5000 MΩ Min
Center Contact Resistance	1.5 MΩ Max
Outer Contact Resistance	0.2 MΩ Max
Frequency Range	DC – 6 GHz (Dc – 11 Ghz/18 Ghz on Extended Range Designs)
Fastening Type	Threaded
Mating Durability	≥ 500 Cycles

<p>YC-615-0412</p> <p>Straight TNC Female Solder Panel Mount</p>	<p>YC-615-0427</p> <p>Chassis Mount TNC Female Connector Clamp for Cable</p>	<p>YC-615-0437</p> <p>Rear Bulkhead Female TNC Connector Solder for Cable</p>
<p>YC-802-0057</p> <p>Right Angle Bulkhead TNC Female Solder for PCB</p>	<p>YC-615-0450</p> <p>TNC Male Connector Clamp for RG213 Cable</p>	<p>YC-615-0459</p> <p>Right Angle TNC Male Clamp for RG58</p>
<p>YC-002-0057</p> <p>TNC Female Connector for PCB Mount</p>	<p>YC-615-0010</p> <p>Right Angle TNC Female Connector for PCB Mount</p>	<p>YC-615-0241</p> <p>Right Angle TNC Female Connector for PCB Moun</p>
<p>YC-615-0473</p> <p>TNC Male Connector Twist on Cable</p>	<p>YC-615-0422</p> <p>Waterproof Bulkhead TNC Female for PCB Mount</p>	<p>YC-615-0434</p> <p>TNC Male Connector Crimp for RG58 Cable</p>
<p>YC-615-0009</p> <p>TNC Female Connector Crimp for RG174 RG316</p>	<p>YC-615-0008</p> <p>Rear Bulkhead TNC Female Crimp for RG316</p>	<p>YC-615-0444</p> <p>Waterproof Bulkhead TNC Female Crimp for Cable</p>
<p>YC-615-0005</p> <p>RP TNC Male Connector Solder for Cable</p>	<p>YC-615-0424</p> <p>Right Angle TNC Male Crimp for LMR240</p>	<p>YC-615-0430</p> <p>Right Angle TNC Crimp Cable Type for Rg58</p>
<p>YC-615-0458</p> <p>Bulkhead TNC Female Connector Clamp for Cable</p>	<p>YC-615-0421</p> <p>R/A Bulkhead Female TNC Connector for PCB</p>	<p>YC-615-0258</p> <p>TNC Male Connector Clamp for 1/4 Feeder Cable</p>
<p>YC-615-0256</p> <p>RP TNC Female Crimp Cable Type</p>	<p>YC-615-0456</p> <p>Flange Mount TNC Female Solder for Cable</p>	<p>YC-615-0226</p> <p>IP55 TNC Male 4 Hole Solder Panel Mount for Cable</p>

SMB Connector

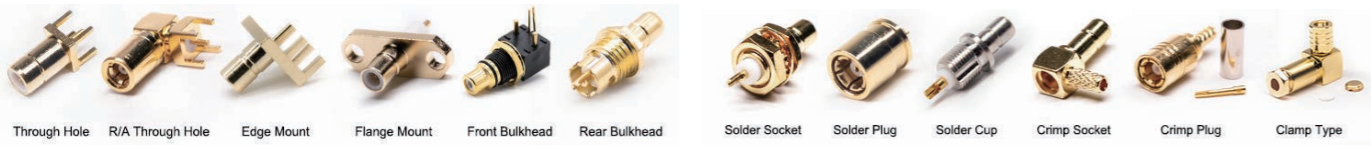
The SMB (Sub-Miniature version B) connector is a quick-lock mating miniature connector that operates up to 4 GHz in frequency. SMB connectors are smaller than SMA connectors, however, these connectors are not ideal for harsh environmental conditions, as they are not robust as SMA connectors.

Available in 50 Ohm and 75 Ohm configurations, the SMB connectors are built in accordance with MIL-C-39012, IEC 60169-10, and CECC 22130 interface standards.



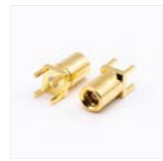
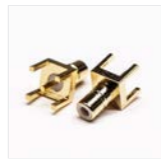

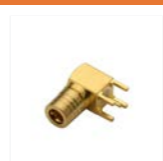
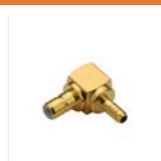
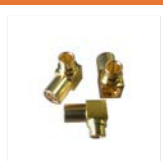
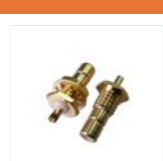
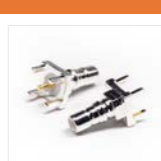
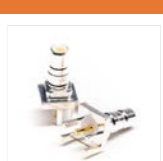
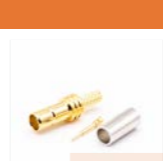
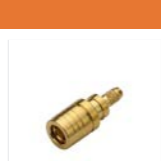
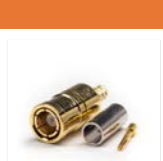
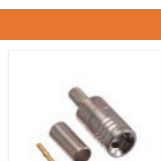
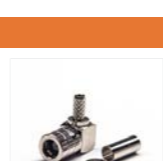
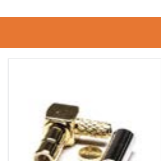
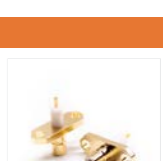
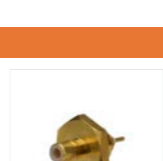
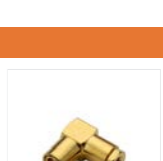
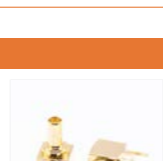
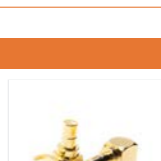
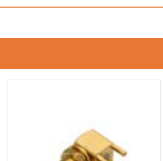
SMB Panel Connector

SMB Cable Connector



Electrical & Mechanical Specifications

Impedance	50 / 75 Ω
Frequency Range	DC – 4 GHz (DC – 10 GHz on Extended Range Designs)
Dielectric Withstanding Voltage	1000 VRMS Max
Insulation Resistance	≥ 1000 MΩ
Center Contact Resistance	6 MΩ Max
Outer Contact Resistance	1 MΩ Max
Mating Durability	≥ 500 Cycles
Fastening Type	Snap On

<p>YC-626-0228</p> <p>SMB Male Connector for PCB</p> 	<p>YC-626-0001</p> <p>SMB Female Connector for PCB</p> 	<p>YC-626-0202</p> <p>75Ohm Edge Mount SMB Female Connector for PCB</p> 
<p>YC-626-0236</p> <p>Right Angle SMB Male Connector for PCB</p> 	<p>YC-626-0262</p> <p>Right Angle SMB Female Crimp for Cable</p> 	<p>YC-626-0215</p> <p>Right Angle SMB Male Solder for Cable</p> 
<p>YC-626-0226</p> <p>Bulkhead SMB Female Solder for Cable</p> 	<p>YC-626-3008</p> <p>Nickel Plated SMB Female for PCB</p> 	<p>YC-626-3009</p> <p>Edge Mount Nickel Plated SMB Female for PCB</p> 
<p>YC-626-0240</p> <p>SMB Female Crimp for Cable</p> 	<p>YC-626-0200</p> <p>75Ohm SMB Male Crimp for Cable</p> 	<p>YC-626-3003</p> <p>50Ohm SMB Male Crimp for Cable</p> 
<p>YC-626-0009</p> <p>Nickel Plated SMB Female Crimp for Cable</p> 	<p>YC-626-0010</p> <p>Nickel Plated SMB Male Crimp for Cable</p> 	<p>YC-626-0002</p> <p>DIN 4.3/10 Straight Jack Solder Panel Mount</p> 
<p>YC-626-3004</p> <p>Nickel Plated Right Angle SMB Male Crimp for Cable</p> 	<p>YC-626-0241</p> <p>Right Angle SMB Female Crimp for Cable</p> 	<p>YC-626-3015</p> <p>2 Hole Flange Mount SMB Female Solder for Cable</p> 
<p>YC-626-0225</p> <p>Rear Bulkhead SMB Female Solder for Cable</p> 	<p>YC-626-0206</p> <p>SMB Male Solder for Cable</p> 	<p>YC-626-0220</p> <p>Right Angle SMB Male Clamp for Cable</p> 
<p>YC-626-3001</p> <p>75Ohm Right Angle SMB Female for PCB</p> 	<p>YC-626-0004</p> <p>50Ohm Right Angle SMB Female for PCB</p> 	<p>YC-626-0238</p> <p>Bulkhead Right Angle SMB Female for PCB</p> 

MCX/MMCX Connector

The connector was developed in Europe from the 1980s to the 1990s. It adopts a push-in coupling method and is suitable for quick insertion and removal. Ultra-micro size, small size, lightweight, compact structure, widely used in small communication equipment with space constraints.

MCX/MMCX connector product design is reasonable and compact, reducing installation space. Can be used in a smaller space; MCX/MMCX connector push-in interface, very suitable for quick plug-in and use, convenient and fast; MCX/MMCX connector is cost-effective, excellent broadband performance and low reflectivity, stable performance.

Mainly applicable to aerospace and defense, medical, commercial vehicles, telecommunications, data/communications, industrial, etc.



MCX Connector

MMCX Connector



Electrical Specifications

Impedance	50 Ω
Frequency Range	DC-6GHz
Dielectric Withstanding Voltage	1000 VRMS Max
Insulation Resistance	500 MΩ Min
Center Contact Resistance	5 MΩ Min
Outer Contact Resistance	1 MΩ Min
VSWR	≤1.15 (DC to 4 GHz), ≤1.40 (4 to 6 GHz)

Mechanical & Environmental Specifications

Fastening Type	Push-Pull
Mating Durability	≥ 500 Cycles
Vibration	MIL-STD-202 Meth. 204
Corrosion Resistance	MIL-STD-202 Meth. 101

<p>YC-617-0150</p> <p>Right Angle MCX Male Crimp for RG316</p>	<p>YC-617-0121</p> <p>2 Hole Flange Mount MCX Female Connector for PCB</p>	<p>YC-004-0065</p> <p>SND Type MCX Female Connector for PCB</p>
<p>YC-004-0064</p> <p>MCX Female Connector for PCB</p>	<p>YC-617-0003</p> <p>SMT Type MCX Female Connector for PCB</p>	<p>YC-617-1008</p> <p>MCX Male Connector Crimp for RG316</p>
<p>YC-617-0137</p> <p>MCX Male Connector Crimp for Cable</p>	<p>YC-617-1025</p> <p>MCX Male Connector for PCB</p>	<p>YC-617-0128</p> <p>MCX Female Connector Crimp for RG316</p>
<p>YC-004-0067</p> <p>Right Angle MCX Female Connector for PCB</p>	<p>YC-617-0080</p> <p>R/A MCX Male Connector Solder for RG405</p>	<p>YC-617-0138</p> <p>MCX Female Connector for PCB</p>
<p>YC-631-0004</p> <p>MMCX Female Connector for PCB</p>	<p>YC-631-0003</p> <p>SMT Type MMCX Male Connector for PCB</p>	<p>YC-631-1010</p> <p>Right Angle MMCX Male Crimp for Cable</p>
<p>YC-005-0027</p> <p>Right Angle MMCX Female Connector for PCB</p>	<p>YC-631-1008</p> <p>MMCX Female Connector Crimp for Cable</p>	<p>YC-631-1012</p> <p>MMCX Male Through Hole Type Connector for PCB</p>
<p>YC-005-0028</p> <p>Right Angle MMCX Female with Switch for Cable</p>	<p>YC-631-0108</p> <p>Right Angle MMCX Male Connector Solder for Cable</p>	<p>YC-631-1014</p> <p>MMCX Female Solder Type Connector for PCB</p>
<p>YC-631-0103</p> <p>MMCX Male Connector Crimp for RG316</p>	<p>YC-631-1006</p> <p>SMT Type MMCX Female Connector for PCB</p>	<p>YC-631-1001</p> <p>Right Angle MMCX Female Crimp for RG316</p>

DIN 1.0/2.3 Connector

The 1.0-2.3 connector series was originally launched by the European Telecommunications Market in the 1990s. Compact design allows dense connector packaging, which is an ideal solution for applications with space constraints. It has 50 Ω and 75 Ω impedance for choice and is compatible with the most widely used cable sizes. The push/pull lock and release feature makes it really easy to use.

DIN 1.6/5.6 Connector

The 1.6-5.6 series performs at 75 ohm up to 1 GHz. The 1.6-5.6 product series has two coupling versions: threaded and push-pull. The threaded coupling version provides positive, familiar mating, while the push-pull coupling version allows quick installation.

DIN 4.0/10 Connector

4.3-10 the connector is solid in design, small in size, and light in weight. It can be used in high-density and light-weight applications. It complies with IP67 standards when used, can be dustproof and waterproof, and provides excellent VSWR performance up to 6 GHz. Regardless of the coupling torque, individual electrical and mechanical components can produce very stable PIM performance and easier installation. Silver plated contact and white bronze plated body has high conductivity, corrosion resistance, and durability.

DIN 7/16 Connector

The 7-16 series metric dimensions of the connector interface: 7mm OD of inner contact, 16 mm ID of outer contact. Provide superior performance for both return loss and intermodulation distortion (IMD). 7-16 connector is very robust, extremely stable, and waterproof. It is an ideal choice for anti-vibration and environmental protection applications. They have a pre-assembled gasket that protects against dust and water (IP68) per IEC 169.

Electrical & Mechanical & Environmental Specifications

Impedance	50 Ω
Dielectric Withstanding Voltage	2300 VRMS Max
Insulation Resistance	5000 MΩ Min
Frequency Range	DC – 7.5 GHz
Fastening Type	Threaded
Mating Durability	≥ 500 Cycles
Ingress Protection	IP65

<p>YC-618-0725</p> <p>DIN 1.0/2.3 Right Angle Jack Solder Panel Mount</p> 	<p>YC-618-0099</p> <p>DIN 1.0/2.3 Straight Jack Solder Panel Mount</p> 	<p>YC-618-</p> <p>DIN 1.0/2.3 Straight Jack Solder Panel Mount</p> 
<p>YC-618-0720</p> <p>DIN 1.0/2.3 Right Angle Jack Crimp Cable</p> 	<p>YC-618-0721</p> <p>DIN 1.0/2.3 Straight Jack Crimp Cable</p> 	<p>YC-618-0101</p> <p>DIN 1.0/2.3 Right Angle Jack Crimp Cable</p> 
<p>YC-618-0688</p> <p>DIN 1.6/5.6 Straight Jack Solder Panel Mount</p> 	<p>YC-618-0708</p> <p>DIN 1.6/5.6 Straight Jack Crimp Cable</p> 	<p>YC-618-0001</p> <p>DIN 1.6/5.6 Right Angle Plug Crimp Cable</p> 
<p>YC-618-0002</p> <p>DIN 1.6/5.6 Right Angle Plug Crimp Cable</p> 	<p>YC-618-0003</p> <p>DIN 1.6/5.6 Right Angle Jack Crimp Cable</p> 	<p>YC-644-0012</p> <p>DIN 4.3/10 Straight Jack Solder Panel Mount</p> 
<p>YC-644-0014</p> <p>DIN 4.3/10 Straight Jack Solder Panel Mount</p> 	<p>YC-644-0015</p> <p>DIN 4.3/10 Straight Jack Solder Panel Mount</p> 	<p>YC-644-0016</p> <p>DIN 4.3/10 Straight Jack Solder Panel Mount</p> 
<p>YC-644-0017</p> <p>DIN 4.3/10 Straight Plug Solder Panel Mount</p> 	<p>YC-644-0013</p> <p>DIN 4.3/10 Straight Plug Solder Cable</p> 	<p>YC-644-0020</p> <p>DIN 4.3/10 Straight Plug Clamp Cable</p> 
<p>YC-644-0014</p> <p>DIN 4.3/10 Straight Plug Solder Cable</p> 	<p>YC-618-0301</p> <p>DIN 7/16 Right Angle Plug Solder Cable</p> 	<p>YC-618-0302</p> <p>DIN 7/16 Straight Plug Solder Cable</p> 
<p>YC-618-0450</p> <p>DIN 7/16 Straight Jack Solder Cable</p> 	<p>YC-618-0456</p> <p>DIN 7/16 Straight Plug Clamp Cable</p> 	<p>YC-618-0455</p> <p>DIN 7/16 Straight Jack Solder Panel Mount</p> 

UHF Connector

UHF connector is designed in World War II or earlier, and invented in the 1930's by an Amphenol engineer Edward Clarke Quackenbush for use in the radio industry. The most popular cable plug and corresponding chassis-mount socket carry the old Signal Corps nomenclatures PL-259 (plug) and SO-239 (socket).

The UHF connector is a name for a threaded RF connector. UHF coax connectors reliably carry signals at frequencies up to 100 MHz with thread coupling. Widely used for Antennas, Military, Public Address Systems, Low-frequency applications, etc.



UHF PCB/Panel Connector



UHF Cable Connector



Electrical & Mechanical Specifications

Impedance	50 Ω
Frequency - Max	300MHz
Insulation Resistance	5000 MΩ Min
Fastening Type	5/8-24 Threaded
Mating Durability	≥500 cycles (For Beryllium Copper Contact)

<p>YC-630-0069</p> <p>4 Hole Flange Mount UHF Female Solder for Cable</p>	<p>YC-630-0101</p> <p>Right Angle Bulkhead UHF Female Crimp for Cable</p>	<p>YC-630-0102</p> <p>UHF Male Connector Crimp for RG316 Cable</p>
<p>YC-630-0105</p> <p>UHF Female Connector Clamp for Cable</p>	<p>YC-630-0123</p> <p>2 Hole Flange Mount UHF Female Solder for Cable</p>	<p>YC-630-0119</p> <p>Right Angle UHF Male Crimp for RG316</p>
<p>YC-630-XXXX</p> <p>Bulkhead Waterproof UHF Female Connector for Cable</p>	<p>YC-009-0054</p> <p>Bulkhead UHF Female Connector Solder for Cable</p>	<p>YC-630-0128</p> <p>UHF Male Connector Clamp for RG58 Cable</p>
<p>YC-017-0003</p> <p>Mini UHF Male Connector Crimp for RG316</p>	<p>YC-630-0013</p> <p>R/A Mini UHF Female Connector for PCB</p>	<p>YC-630-0007</p> <p>4 Hole Flange Mount UHF Female Clamp for Cable</p>
<p>YC-630-0083</p> <p>Gold Plated Mini UHF Female Crimp for RG58</p>	<p>YC-630-0012</p> <p>UHF Male Crimp Connector for RG316</p>	<p>YC-630-0113</p> <p>UHF Male Connector Twist on Cable</p>
<p>YC-630-XXXX</p> <p>4 Hole Flange Mount UHF Male Connector for PCB</p>	<p>YC-630-XXXX</p> <p>R/A UHF Male Connector Clamp for Cable</p>	<p>YC-630-XXXX</p> <p>4 Hole Flange Mount Mini UHF Female Solder for Cable</p>
<p>YC-630-XXXX</p> <p>Mini UHF Male Connector Clamp for Cable</p>	<p>YC-630-0014</p> <p>Silver Plated UHF Crimp Male Connector for RG58</p>	<p>YC-630-XXXX</p> <p>R/A Mini UHF Male Connector Crimp for Cable</p>
<p>YC-630-XXXX</p> <p>Mini UHF Female Connector Crimp for RG58</p>	<p>YC-630-XXXX</p> <p>UHF Female Connector Crimp for Cable</p>	<p>YC-630-XXXX</p> <p>4 Hole Flange Mount UHF Female Connector Crimp for PCB</p>

F-type Connector

The F-type connector series is a durable, high-performance threaded interface. Primary applications of the F-type connectors are for cable television (CATV), set-top boxes, and cable modems. The F connector (also F-type connector) is a coaxial RF connector commonly used for "over the air" terrestrial television, cable television, and universally for satellite television and cable modems, usually with RG-6/U cable or with RG-59/U cable.



F-type Panel Connector



F-type Cable Connector



Electrical Specifications

Impedance	75 Ω
Frequency Range	DC-1GHz
VSWR	R/A type ≅ 1.3MAX, Straight type ≅ 1.2 MAX
Dielectric Withstanding Voltage	500 V rms
Working Voltage	170 V rms
Center Contact Resistance	≅ 10 MΩ (Milliohms Max.)
Outer Contact Resistance	≅ 5 MΩ (Milliohms Max.)
Insulation Resistance	≥ 1000 MΩ

Mechanical Specifications

Fastening Type	3/8-32 Threaded
Contact Retention	20 in-lbs min.
Mating Durability	≥ 500 Cycles

<p>YC-611-0007</p> <p>Right Angle F Type Female for PCB with Bracket</p>	<p>YC-611-7018</p> <p>Bulkhead F Type Female Connector for PCB Mount</p>	<p>YC-611-0044</p> <p>Right Angle F Type Female Connector for RG179</p>
<p>YC-605-0503</p> <p>F Type Male Connector for PCB Mount</p>	<p>YC-611-0357</p> <p>F Type Male Connector Clamp for Cable</p>	<p>YC-611-0011</p> <p>Dual Female F Type Connector with Box Cover</p>
<p>YC-611-0014</p> <p>F Type Female Connector for PCB</p>	<p>YC-611-0026</p> <p>Rear Mount F Type Female Connector for PCB</p>	<p>YC-611-0331</p> <p>R/A Bulkhead F Type Female Connector for PCB</p>
<p>YC-611-0340</p> <p>F Type Waterproof Female Crimp for RG179</p>	<p>YC-611-0341</p> <p>Right Angle Female F Type Connector for PCB</p>	<p>YC-611-0363</p> <p>F Type Waterproof Female Connector for PCB Mount</p>
<p>YC-611-0335</p> <p>Edge F Type Female Connector for PCB Mount</p>	<p>YC-611-0037</p> <p>F Type Male Connector for Cable</p>	<p>YC-611-0506</p> <p>F Type Male Connector Compression for RG6</p>
<p>YC-611-0511</p> <p>75ohm F Type Male Connector Terminal</p>	<p>YC-611-0087</p> <p>F Type Male Connector Compression for RG59</p>	<p>YC-611-0516</p> <p>F Type Male Connector Compression for RG11</p>
<p>YC-611-0013</p> <p>F Type Female Connector with Bracket</p>	<p>YC-611-0356</p> <p>Solderless F Type Male Connector for Cable</p>	<p>YC-611-0354</p> <p>F Type Male Connector Compression for Cable</p>
<p>Brass F Type Male Compression for RG59 Cable</p>	<p>YC-611-0339</p> <p>F Type Female Connector Crimp for Cable</p>	<p>YC-611-0002</p> <p>Right Angle F Type Female Connector for PCB</p>

RF Adapters

RF adapters for changing gender or as connector protectors in precision test and measurement applications are commonly available.

They are also used to transfer signals between connector interfaces.

Coaxial adapters are available in 50 ohm and 75 ohm designs. Standard polarity and reverse polarity Jack to Jack, Plug to Jack, and Plug to Plug adapters are available across most RF interfaces.

The polarity of an interface can change by changing the center contact from male to female or from female to male, depending on the adapter interface.



Connector	BNC / SMA / SMB / SMP / SSMA / N / F / TNC / MCX / MMCX / UHF / QMA / PAL / RCA / RJ45 / 1.0-2.3 / 1.6-5.6 / 4.3-10 / 7-16 etc.
Gender	Male / Female
Orientation	Straight / Right Angle
Impedance	50Ω / 75Ω
Frequency	0 - 6 GHz
Body Material	Beryllium Copper / Stainless Steel / Brass / Phosphor Bronze / Zinc alloy
Body Finish	Bright Tin / Gold / Nickel / Passivated / White Bronze
Contact Material	Beryllium Copper / Brass / Phosphor Bronze
Contact Finish	Tin / Gold / Nickel / Silver
Insulator Material	Copolymer of Styrene / Delrin / PBT / Polypropylene / Polystyrene / PPO / PTFE

<p>YC-XXX-XXXX</p> <p>SMA Male to SMB Female Adapter</p>	<p>YC-612-0397</p> <p>SMA Female to RP-SMA Female Adapter</p>	<p>YC-301-0001</p> <p>Right Angle 75ohm BNC Male to BNC Female Adapter</p>
<p>YC-613-0365</p> <p>Waterproof Bulkhead SMA Female to SMA Female Adapter</p>	<p>YC-630-0133</p> <p>UHF Male to UHF Male Adapter</p>	<p>YC-611-0049</p> <p>Right Angle F Male to F Female Gold Plated Adapter</p>
<p>YC-639-0678</p> <p>Bulkhead TNC Female to TNC Female Adapter</p>	<p>YC-630-0109</p> <p>Flange Mount UHF Female to UHF Female Adapter</p>	<p>YC-611-7023</p> <p>Waterproof Bulkhead F Female to F Female Adapter</p>
<p>YC-006-0124</p> <p>Flange Mount N Type Female to Female Adapter</p>	<p>YC-313-0004</p> <p>Right Angle PAL Male to PAL Female Adapter</p>	<p>YC-007-0249</p> <p>135 Degree SMA Male to SMA Female Adapter</p>
<p>YC-639-1248</p> <p>T Type N Connector Female to Female Adapter</p>	<p>YC-612-0032</p> <p>T Type SMA Male to RP-SMA Female Adapter</p>	<p>YC-007-0030</p> <p>Straight SMA Male to SMA Female Adapter</p>
<p>YC-300-0029</p> <p>Right Angle SMA Female to QMA Male Adapter</p>	<p>YC-300-0068</p> <p>Straight SMA Male to IPEX Male Adapter</p>	<p>YC-630-0016</p> <p>UHF Male to Two Female UHF T Type Adapter</p>
<p>YC-630-0084</p> <p>SMA Male to Mini UHF Female Adapter</p>	<p>YC-300-0014</p> <p>Waterproof N Female to SMA Female Adapter</p>	<p>YC-610-1045</p> <p>Bulkhead BNC Female to BNC Female Adapter</p>
<p>YC-XXX-XXXX</p> <p>T Type TNC Connector Male to Female Adapter</p>	<p>YC-XXX-XXXX</p> <p>Straight N Male to RP TNC Female Adapter</p>	<p>YC-XXX-XXXX</p> <p>Straight TNC Female to TNC Female 4 Hole Flange Adapter</p>