



### Overview

The SMA Quick-Connect adapter series features precision machined 50 ohm adapters available in straight and right angle configurations with excellent electrical performance through 18 GHz. These adapters dramatically reduce the time necessary for mating and un-mating by eliminating the need to fully thread on the interface. Utilizing a SMA Quick-Connect adapter will convert any standard SMA plug test cable into a Quick-Connect cable without compromising the electrical integrity of the assembly. These SMA Quick-Connect adapters are compatible with all previously released threaded SMA jack and plug connectors.

### Features and Benefits

- Increases efficiency by reducing time and effort
- No tooling required for mating/un-mating
- Compatible with all threaded SMA connectors
- Converts any standard SMA plug test cable into a Quick-Connect cable

### Applications

- Test Equipment
- Base Stations
- PCB Test Boards
- Mobile Radios
- Microwave Subsystems

### Amphenol RF

Four Old Newtown Road  
Danbury, CT 06810

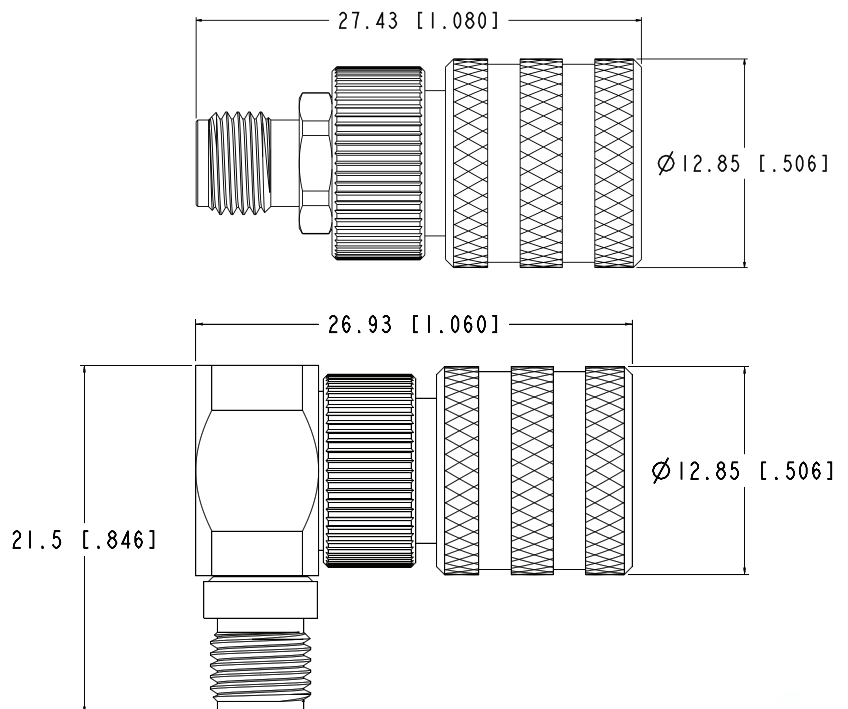
For more information visit [www.amphenolrf.com](http://www.amphenolrf.com)  
or call 800.627.7100

### Ordering Information

Part Number	Configuration
901-10565	SMA Straight Jack to SMA Quick-Connect Plug
901-10656	SMA Right Angle Jack to SMA Quick-Connect Plug

### Instructions:

1. With the barrel in the back position, slide the cabled adapter on to the jack receptacle, over the jack threads, by pushing on the back of the knurled body.
2. While gently pressing the knurled body forward, snap the barrel forward to engage the adapter with the threads of the jack connector.
3. Once the barrel is fully snapped forward, turn the indicated knurled body in order to obtain the fully mated interface. A complete mate can be obtained with one full turn or less.
4. Un-mate the adapter by slightly loosening the threads by turning the indicated knurled body. Then pull the barrel into the snapped back position and remove the adapter.



## Technical Specifications

Electrical	Straight	Right Angle
Impedance	50 Ω	
Frequency Range	DC - 18 GHz	DC - 20 GHz
VSWR (Return Loss)	1.05+0.005*F DC - 18GHz	1.10 DC - 10 GHz
		1.20 DC - 20 GHz
Dielectric Withstanding Voltage	1500 VRMS Min.	1000 VRMS Min.
Insertion Loss	0.15 dB Max. @ 6 GHz	
Mechanical		
Mating	Push-Turn Thread On, Pull Off	
Durability	500 Cycles Min.	
Environmental		
Temperature Range		
Materials		
Body	Brass, Gold Plating	
Contact	Beryllium Copper, Gold Plating	
Insulator	PTFE	

## Related Product

# ATC-PS Test Cables

## 20 GHz SMA Phase Stable Cable Assemblies

### SMA Plug to SMA Plug

Part Number	Length (in)	Length (mm)	Insertion Loss (max)
095-902-466-001	24.00	610	1.84 dB
095-902-466-002	36.00	914	2.61 dB
095-902-466-005	39.37	1000	2.84 dB
095-902-466-003	48.00	1219	3.37 dB
095-902-466-004	72.00	1829	4.90 dB

### SMA Plug to N-Type Plug

Part Number	Length (in)	Length (mm)	Insertion Loss (max)
095-909-168-024	24.00	610	1.84 dB
095-909-168-036	36.00	914	2.61 dB
095-909-168M100	39.37	1000	2.84 dB
095-909-168-048	48.00	1219	3.37 dB
095-909-168-060	60.00	1524	4.14 dB
095-909-168-072	72.00	1829	4.90 dB



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