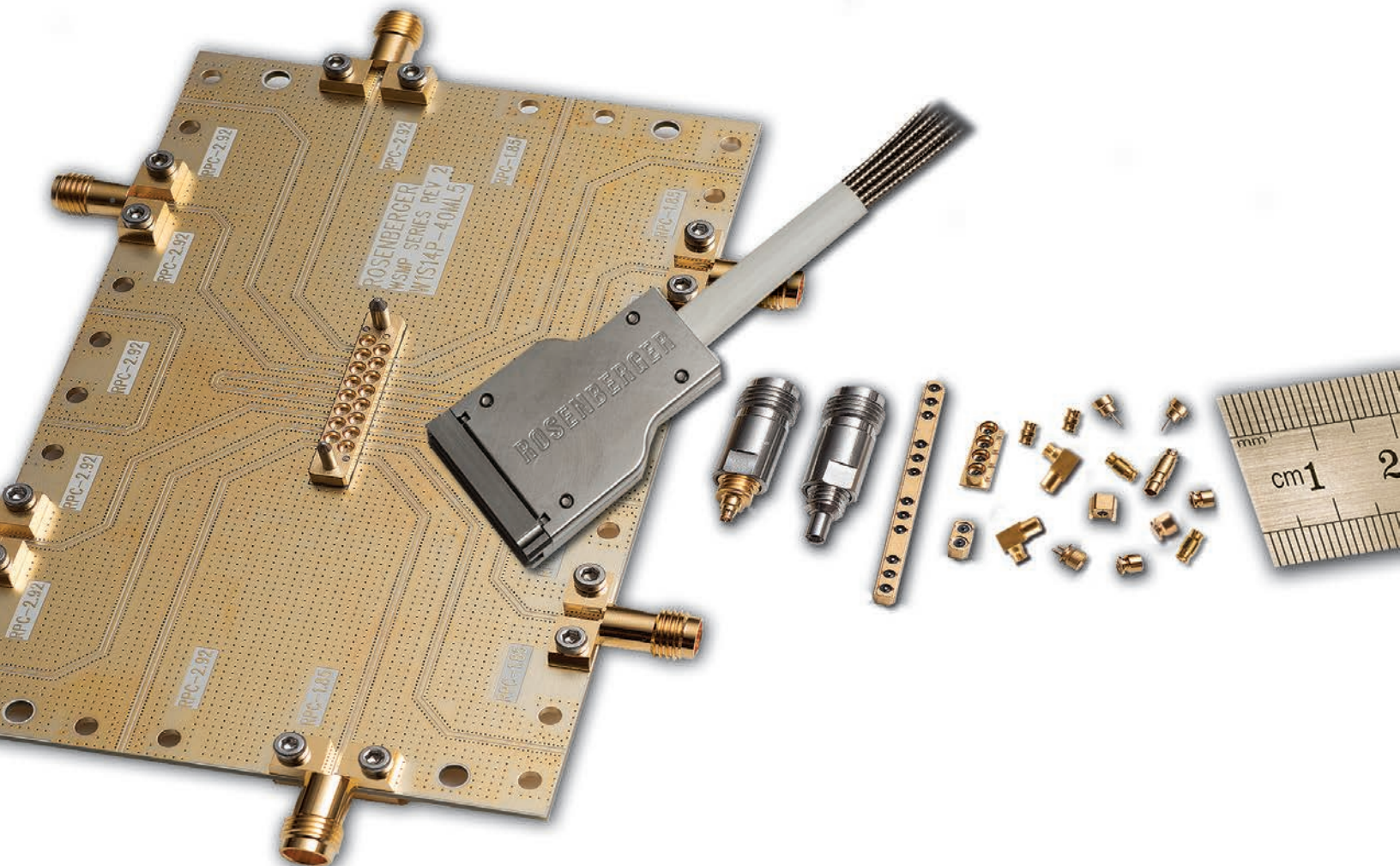


For High Density Applications to 100 GHz

## WSMP<sup>®</sup> Coaxial RF Connectors and RF Coaxial Cable Assemblies

ROSENBERGER NORTH AMERICA



# WSMP<sup>®</sup> Coaxial RF Connectors and RF Coaxial Cable Assemblies

Provides:

- Signal Integrity to 100 GHz
- Center to Center Spacing 0.085" [2.15 mm]
- Board to Board Height of 0.198" [5.03mm] (0.120" [3.05mm] possible)
- 45% Smaller than SMP; 35% Smaller than Mini SMP (SMPM)
- Custom Footprints for Optimized RF Performance on Your PC Board
- Custom RF Cable Assemblies for Your Application

## Company Profile

Rosenberger is one of the worldwide leading suppliers of controlled impedance and optical connectivity solutions, system components for mobile communications networks, data centers and test and measurement as well as high voltage contact systems.

The Rosenberger group operates manufacturing and assembly locations in over 10 countries as well as a global sales network.



## Rosenberger North America

Rosenberger Akron is a center of excellence for standard and custom RF cable assemblies and connectors. Our advanced technology, reputation for innovation and commitment to our customers has enabled our rapid-turn production as well as our ability to meet and exceed the demands of the North American marketplace.

Rosenberger North America is ISO 9001 and AS9100 certified.

## Quality & Environment

Rosenberger's quality philosophy is not just to optimize components and products, but to continuously improve and optimize all processes to ensure customer satisfaction. From product development, planning, procurement, production, sales, logistics and services to environmental policy. In summary, to offer maximum benefits to our customers all over the world. Our quality responsibility includes being proactive in protecting our environment and natural resources. We endeavour to avoid any environmental pollution, even beyond the requirements of legal regulations whenever possible.







# Connectors

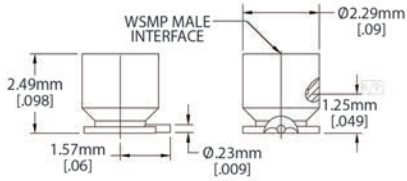
## PCB Connectors

### Description

WSMP Male PCB, Straight, SMT, J-Lead

### Part Number

FD: W1S103-40ML5  
SB: W1S143-40ML5

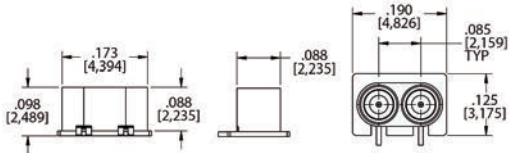


### Description

WSMP Male PCB, Straight, SMT, J-Lead, Multiport Arrays

### Part Number

FD: 2 Port: W1S12A-40ML5  
FD: 4 Port: W1S12B-40ML5  
SB: 2 Port: W1S15A-40ML5  
SB: 4 Port: W1S15B-40ML5

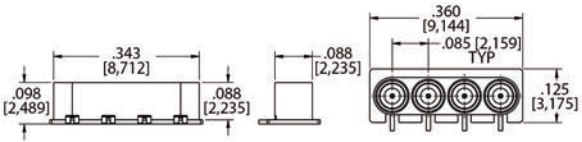
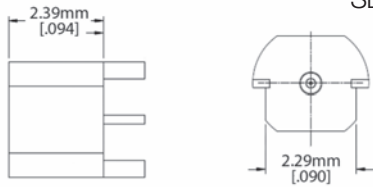


### Description

WSMP Male PCB Edge Mount

### Part Number

FD: W1S204-40ML5  
SB: W1S244-40ML5



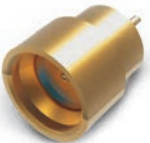
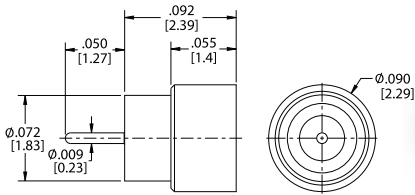
## Hermetic

### Description

WSMP Straight, PCB plug, solder-in hermetic

### Part Number

FD: W1S101-5H0L5  
SB: W1S141-40ML5



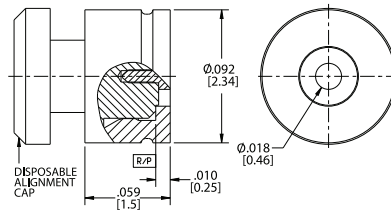
## Shroud/Pin

### Description

WSMP Straight, PCB plug, pin/shroud kit

### Part Number

FD: W1S104-40ML5  
SB: W1S144-40ML5



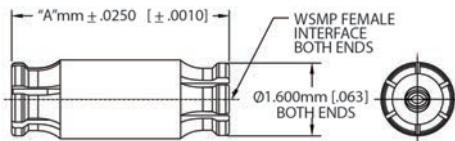
## Adapters

### Description

WSMP Female Blindmate Interconnect (Bullet)

### Part Number

W1K10A-K00D3 2.49 0.098 W1K10J-K00D3 7.62 0.300  
W1K10C-K00D3 3.18 0.125 W1K10M-K00D3 10.16 0.400  
W1K10F-K00D3 3.81 0.150 W1K10N-K00D3 12.70 0.500  
W1K10G-K00D3 5.08 0.200 W1K10P-K00D3 15.24 0.600  
W1K10H-K00D3 6.35 0.250



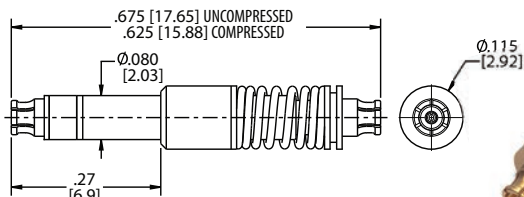
## Compressible Adapters

### Description

Compressible Bullet, 0.5"

### Part Number

W1KF1W1-K03D3



Part Number	A (mm)	A (in)	Part Number	A (mm)	A (in)
W1K10A-K00D3	2.49	0.098	W1K10J-K00D3	7.62	0.300
W1K10C-K00D3	3.18	0.125	W1K10M-K00D3	10.16	0.400
W1K10F-K00D3	3.81	0.150	W1K10N-K00D3	12.70	0.500
W1K10G-K00D3	5.08	0.200	W1K10P-K00D3	15.24	0.600
W1K10H-K00D3	6.35	0.250			

Additional lengths available on request

# Connectors

## Between Series Test Adapters

### Description

WSMP Male Full Detent to  
RPC-2.92 Female Adapter  
RPC-1.85 Female Adapter  
RPC-1.00 Male Adapter  
RPC-1.00 Female Adapter

### Part Number

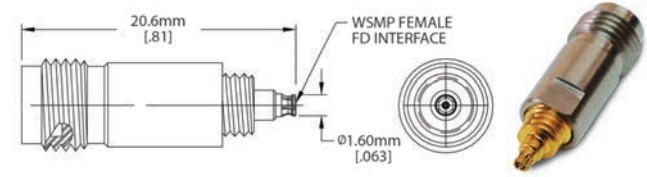
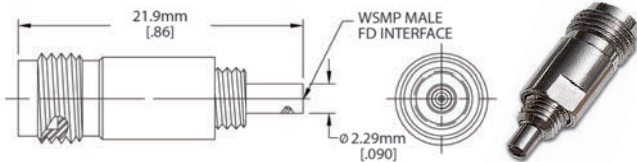
W1S102-K00S3 to 40 GHz  
W1S108-K00S3 to 67 GHz  
W1S101-S00D3 to 110 GHz  
W1S101-K00D3 to 110 GHz

### Description

WSMP Female to  
RPC-2.92 Female Adapter  
RPC-1.85 Female Adapter  
RPC-1.00 Female Adapter

### Part Number

W1K102-K00D3 to 40 GHz  
W1K108-K00D3 to 67 GHz  
W1K101-K00D3 to 110 GHz

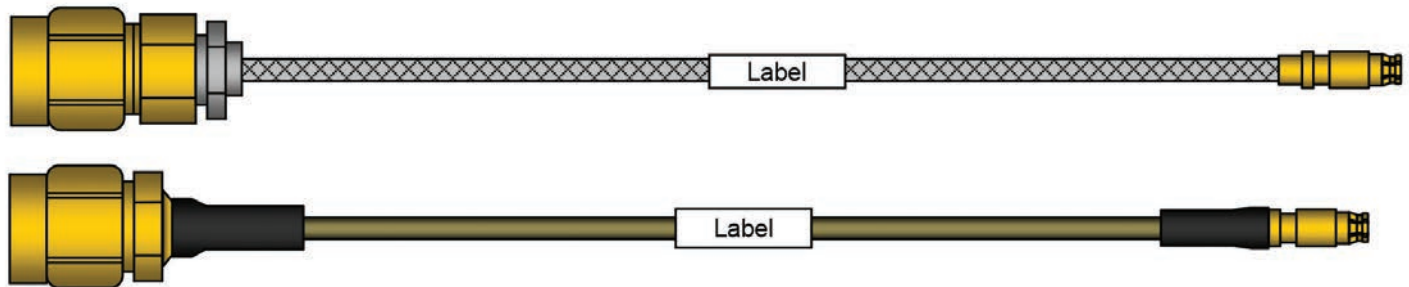


# Cable Assemblies

## WSMP Cable Assemblies

### Description

WSMP on .047 Flexible, Formable, or Semi-Rigid Cable to SMA, RPC-2.92, RPC-2.40, and RPC-1.85



## Tools. Custom for your needs

### Description

WSMP Cable Connector  
Prybar Extraction Tool

### Part Number

W1W001-000



### Description

WSMP Right Angle  
Prybar Extraction Tool

### Part Number

W1W005-000

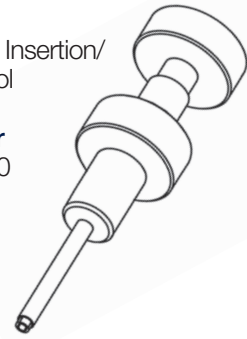


### Description

WSMP Bullet Insertion/  
Extraction Tool

### Part Number

W1W002-000



## WSMP 2x8

### Description

Straight PCB plug

### Part Number

W1S14P-40ML5



## Cable Assemblies

### Description

2x8 to RPC-2.92 male, 12"  
2x8 to RPC-1.85 male, 12"  
2x8 to 2x8, 12"

### Part Number

H70W-W16-Km-00305  
H70W-W16-Vm-00305  
H70W-W16-W16-00305





### Website

For more information, refer to our website  
[www.rosenberger.com](http://www.rosenberger.com)

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