

# EXTREME PERFORMANCE RF INTERCONNECTS FOR 5G APPLICATIONS (DC - 67 GHz)



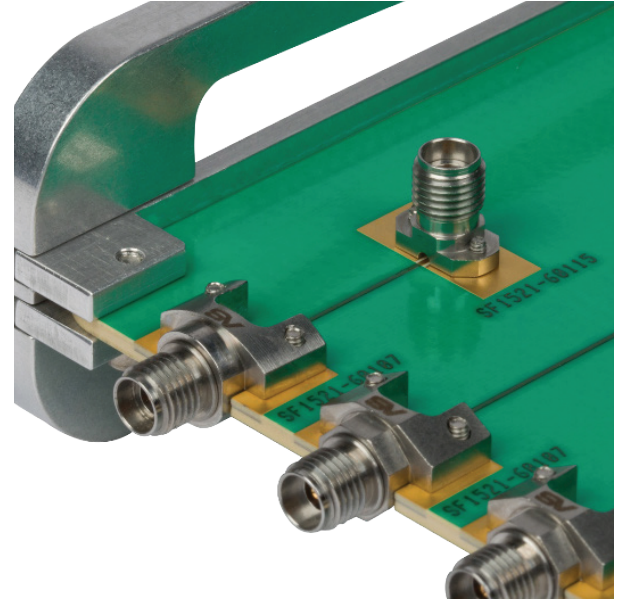
- Beamforming and Phased Array Radar
- Secure Radio Communications and Data Links
- LEO Satellite Communications

## mm WAVE PCB CONNECTORS

SV is an industry leader in high frequency mm Wave connectors, adapters, components and cable assemblies.

Our Electrical Engineers assist our customers with customized simulated and impedance matched PCB footprints to ensure a seamless PCB transition.

- SMA: DC – 26.5 GHz
- 1.85 mm: DC – 67 GHz
- 2.92 mm: DC – 40 GHz
- 1.00 mm: DC – 110 GHz
- 2.40 mm: DC – 50 GHz



## SMP, SMPM & SMPS PUSH-ON CONNECTORS & CABLE ASSEMBLIES

SMP Connector Series  
(DC – 40 GHz)  
Female O.D. = .135"



SMPM Connector Series  
(DC – 67 GHz)  
Female O.D. = .095"



SMPS Connector Series  
(DC – 110 GHz)  
Female O.D. = .063"



SV offers a wide range of SMP, SMPM, and SMPS connectors, cable assemblies and adapters that are designed for high-density, high frequency applications.

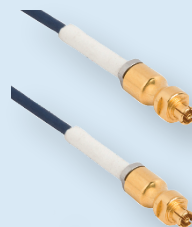
These unique push-on connectors offer progressively increased (higher bandwidth) electrical performance and can tolerate a wide range of radial and axial misalignment in the mated condition

Our standard product offering includes multiport, PCB mount, components, adapters, cable connectors & assemblies, and more.

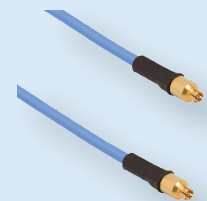
SMPM series  
straight push-on  
female connector  
on .047" flexible  
cable



SMPS series  
straight push-on  
female connector  
on .047" flexible  
cable



SMP series  
straight push-on  
female connector  
on .085" flexible  
cable



ANDREW DINSDALE  
561-840-1800 X152  
ADINSDALE@SVMICRO.COM

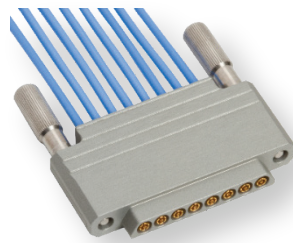
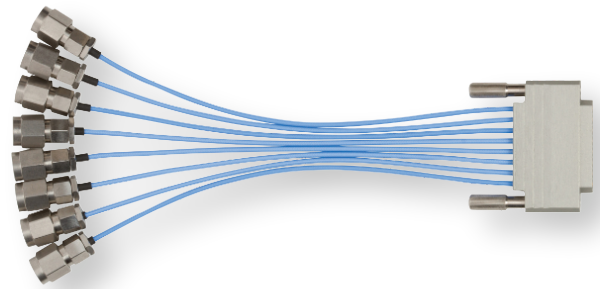
HARDIK PARIKH  
561-840-1800 X707  
HPARIKH@SVMICRO.COM

## MINI-D RF CONNECTION SYSTEM

SV's Mini-D RF Connection system is designed for high speed performance and signal density. With .110" port-to-port spacing, it is one of the highest density products on the market.

The anodized aluminum housing and SMPS series contacts make this connector an ideal choice for performance and reliability.

Loose end terminations include mm Wave and standard threaded and push on versions making the Mini-D RF functional from DC-67 GHz.



8-Port Cable Connector

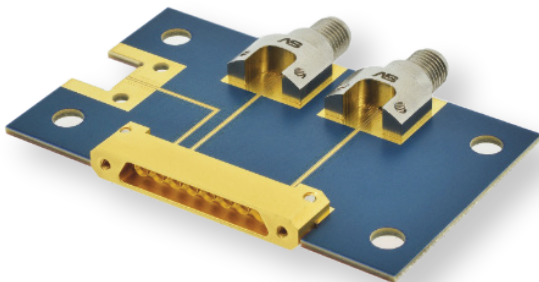


Bulkhead Mount Cable Receptacle

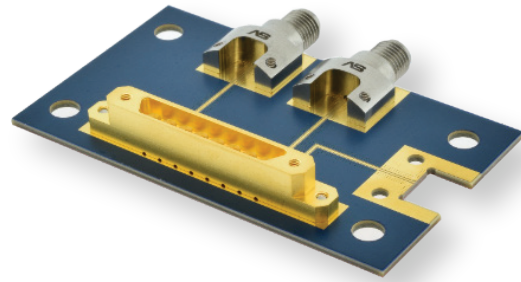
### Customized versions are available on request including:

- Configurable Port Quantity and Location
- Low Loss cable versions
- Ruggedized/Waterproof Versions

### Standard PCB connector options are shown below mounted to evaluation cards:



8-Port Edge Launch Connector



8-Port Surface Mount Connector

Amphenol  
**SV** MICROWAVE



ANDREW DINSDALE  
561-840-1800 X152  
ADINSDALE@SVMICRO.COM

HARDIK PARIKH  
561-840-1800 X707  
HPARIKH@SVMICRO.COM