



High Frequency
Connectivity...

with a Twist!

FEATURES

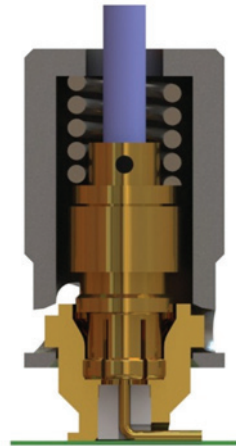
- Quarter turn bayonet locking feature on standard SMP/SMPM interface
- Low VSWR through 40 GHz(SMP)/65 GHz(SMPM)
- Female cable connector options available for all flexible cable types .086" diameter and smaller
- All standard SMP/SMPM male connector options available upon request

APPLICATIONS

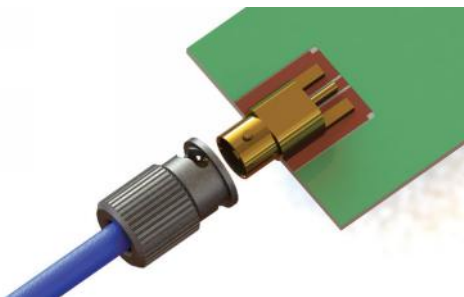
- Bench-top testing (PCB mount, cable connectors and adapters)
- High vibration environments
- Applications requiring a high number of mating cycles
- Military and Commercial options available

BENEFITS

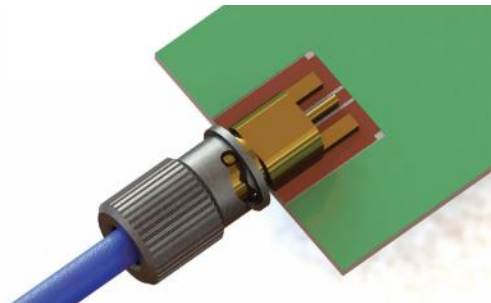
- Low insertion/extraction forces, compared to standard full detent SMP and SMPM, mean less torque on board mount connector solder joints during mating and demating
- Spring loaded positive mating feature allows excellent electrical performance even in extreme vibration environments
- Low mating forces allow for more mating cycles without failure compared to full detent SMP and SMPM



Mated Cable Connector and
Surface Mount Male



Cabled Female and
Male Edge Launch Unmated



Cabled Female and
Male Edge Launch Mated



High Frequency
Connectivity...

with a Twist!

ELECTRICAL/MECHANICAL SPECIFICATIONS

CHARACTERISTICS	SMP	SMPM
Max Operating Frequency	40 GHz	65 GHz
VSWR (Cable Connectors) DC-18 GHz	1.2:1	1.1:1
Engage/Disengage Force (lbs)	2.0/0.5 lbs Max	2.5/1.5 lbs Typical
Durability (Mating Cycles)	1000 Min	500 Min
Temperature Rating	-65°C to +165°C	-65°C to +165°C

SMP STYLE CONNECTORS

P/N Description	
P/N: 1221-40049 Ø.086" Cable Female	
P/N: 1221-40051 Ø.047" Cable Female	
P/N: 1211-66195 Male Edge Mount	
P/N: 1211-40032 Male Surface Mount	

SMPM STYLE CONNECTORS

P/N Description	
P/N: 3221-60004 Ø.086" Cable Female	
P/N: 3221-60003 Ø.047" Cable Female	
P/N: 3211-60118 Male Edge Mount	
P/N: 3211-60112 Male Surface Mount	

*** ADDITIONAL PART NUMBERS AVAILABLE ON OUR WEBSITE AND BY REQUEST**

Amphenol®
SV MICROWAVE
www.svmicrowave.com