

SMP, SMPM & SMPS PRODUCTS

Features

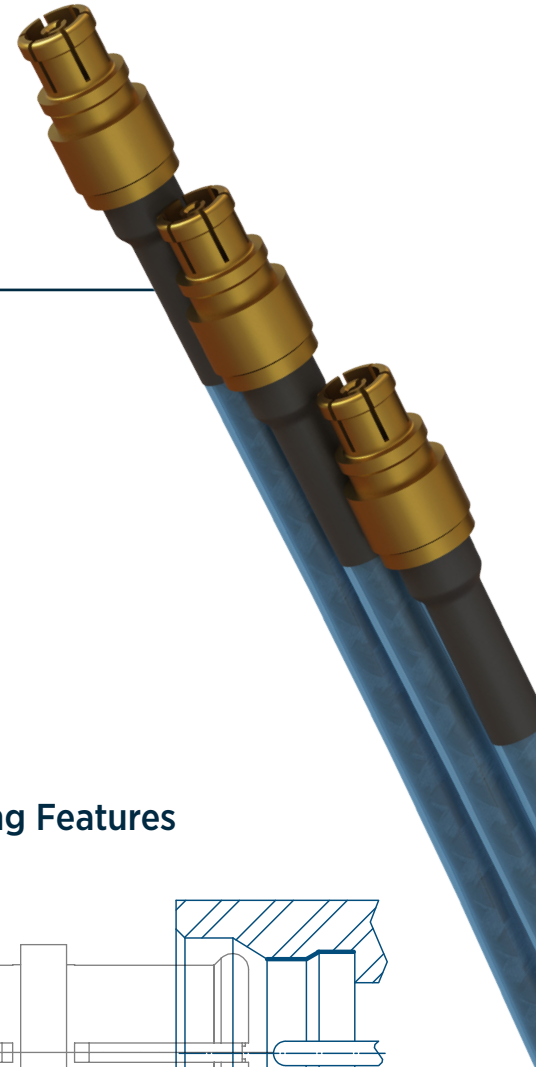
- Blindmate / push-on design (Rfortless®)
- RF performance DC to 40 GHz (SMP), 65 GHz (SMPM) & 100 GHz (SMPS)
- Designed to accommodate radial, axial and angular misalignments
- Intermateable with other industry standard connectors
- Full detent, limited detent (SMP only) and smooth bore options available

Applications

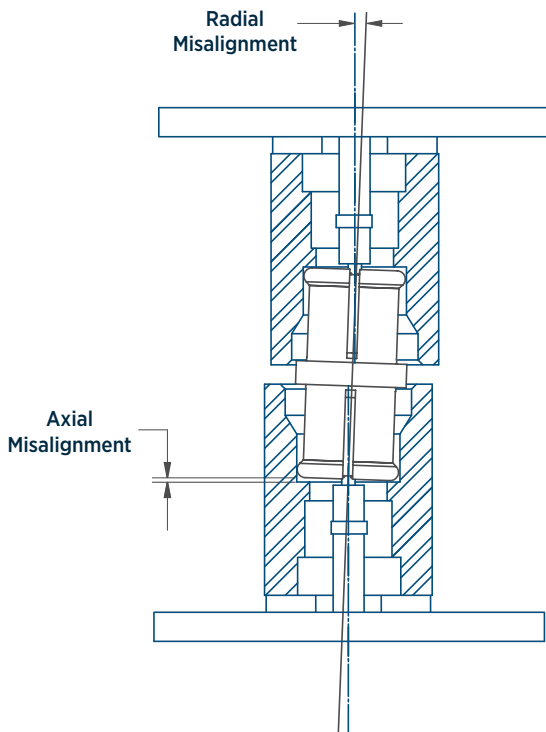
- Aerospace
- Military
- Broadband
- Instrumentation
- Telecommunications
- Satellite Communications Equipment (SATCOM)

Benefits

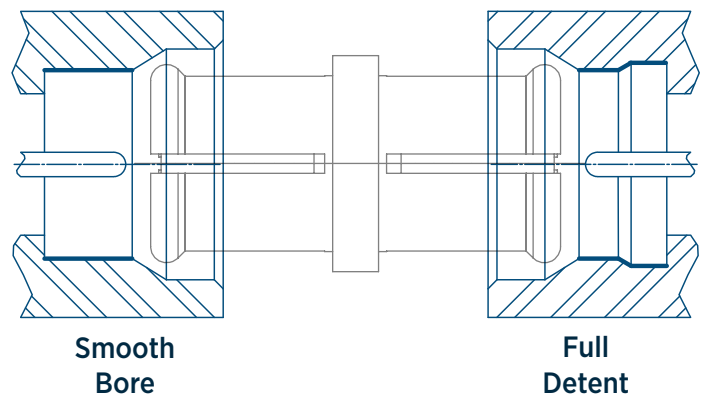
- Push-on mating for quick installation
- High density packaging possibilities
- Ideal performance even under misaligned conditions
- Intermateable to the GPO® (SMP), GPPO® (SMPM) & G3PO® (SMPS)



Typical Misalignment



Mating Features



	SMP	SMPM	SMPS
Smooth Bore	•	•	•
Full Detent	•	•	•
Limited Detent	•		
Axial Misalignment	0 - .010"		
Radial Misalignment	3° Max		

Specifications

Electrical	SMP	SMMP	SMPS
Impedance	50Ω	50Ω	50Ω
Frequency Range	40 GHz	65 GHz	100 GHz
VSWR	1.15:1 to 26.5 GHz typ. 1.5:1 to 40 GHz typ.	1.10:1 to 26.5 GHz typ. 1.30:1 to 50 GHz typ.	1.10:1 to 26.5 GHz typ. 1.25:1 to 65 GHz typ.

Mechanical	SMP			SMMP		SMPS	
Temperature Rating	-65 to +165°C			-65 to +165°C		-65 to +165°C	
Center-to-center Spacing (min)	.156			.125		.085	
	Smooth Bore	Limited Detent	Full Detent	Smooth Bore	Full Detent	Smooth Bore	Full Detent
Mating Cycles (min)	1000	500	100	500	100	500	100
Typical Force to Engage / Disengage	2.0 / 0.5 lbs	5.0 / 7.0 lbs	7.0 / 9.0 lbs	2.5 / 1.5 lbs	6.5 / 4.5 lbs	1.2 / 0.9 lbs	4.2 / 2.2 lbs

Products Available

Surface Mount	
Edge Launch	
Female to Female 'Bullets'	
D38999 and Multiport Contacts	
Custom Multiport	
VITA 67.1, 67.2 & 67.3	

Products Available

Cable Connectors	
Cable Assemblies	
Terminations	
QuarterBack® Connectors	
Adapters	
Tools	

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