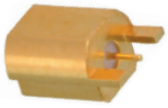
JOHNSON™

SMPM Connectors

Maximum Performance in Compact, Miniature Spaces



The Cinch Advantage

Cinch Connectivity Solutions offers the Johnson line of SMPM connectors. The sub-miniature, push-on style micro interfaces are distinguished for their size (about 35% smaller than the SMP design) and becoming increasingly popular for the two-fold design benefit of allowing for a higher-density of connection points and maintaining electrical performance from DC-level frequencies up to 65 GHz.

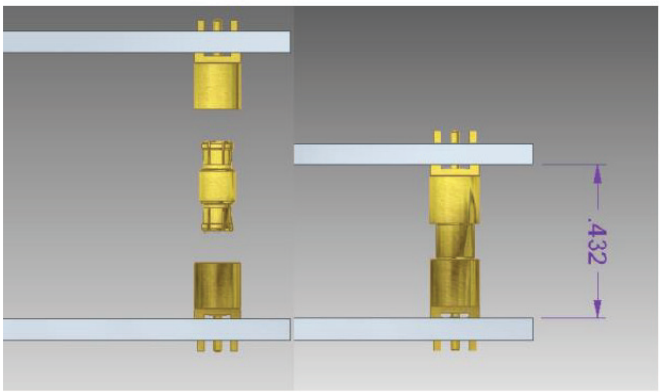
The Johnson SMPM family includes PC mount and End Launch styles, straight and right-angled, .047 and .086 cabled connectors and sealable flange mounts. All male connectors are offered as full detent or smooth bore designs for your preference of separation forces.

The SMPM bullet adapter provides the same high reliability for applications subject to extreme shock and vibration as the orignal SMP size connectorexs, mitigating radial and axial misalignment with negligible change to VSWR and other signal losses. The SMPM-series is perfect for use in test equipment and racked-electronics where footprint space is a premium and mating boards together is difficult.

For those systems with even tighter tolerance restrictions on center to center spacing, multi-channel blocks for straight or right-angle interfaces can be designed and quoted through Cinch Connectivity Solutions responsive product design team.

Features

- 35% smaller than SMP connectors
- DC-65 GHz
- Bullet adapter provides Blind Mate capabilities
- Available in PC mount, End Launch and Cabled styles
- Manufactured with high quality beryllium copper and brass
- Designed to meet MIL-PRF-39012 and MIL-STD-348 specifications



Estimated spacing between two mated boards connected via PC mount and bullet adapters

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Please read our datasheet & drawing disclaimer here.

Part Numbers

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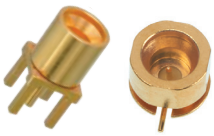
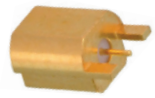
Part Number	Description
125-0801-201	Straight PC Mount, Female



Part Number	Description
125-0701-201	Straight PC Mount Male, Full Detent
125-2701-201	Straight PC Mount Male, Smooth Bore
125-0701-211	Straight PC Mount Male, 0.15” Height, Full Detent
125-0701-221	Straight PC Mount Male, 0.113” Height, Full Detent



Part Number	Description
125-0701-801	End Launch Male, Full Detent
125-2701-801	End Launch Male, Smooth Bore

Part Number	Description
125-0901-801	Bullet Adapter

Part Number	Description
125-0592-001	Straight Male for .047” Semi-Rigid Cable, Full Detent
125-2592-001	Straight Male for .047” Semi-Rigid Cable, Smooth Bore
125-0593-001	Straight Male for .086” Semi-Rigid Cable, Full Detent
125-0593-101	Right Angle Male for .086” Semi-Rigid Cable, Full Detent

Part Number	Description
125-0692-001	Straight Female for .047” Cable
125-0692-101	Right Angle Female for .047” Cable
125-0692-111	Right Angle Female for .047” Cable

Part Number	Description
125-0701-602	2-Hole Flange Mount Male Shroud, Full Detent, without contacts
125-2701-602	2-Hole Flange Mount Male Shroud, Smooth Bore, without contacts
142-1000-041	Hermetic Seal Feed-Thru

Part Number	Description
125-0000-900	SMPM Extraction Tool for Cabled Connectors
125-0000-901	SMPM Bullet Adapter Installation/Extraction Tool

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