



Introducing
SMPM Micro-Miniature
Push-On Coaxial
Connectors

SMPM Micro-Miniature Push-on Coaxial Connectors

KEY FEATURES

Push-on style interconnect, allowing control of the mating forces when mating multiple connectors

30% smaller than SMP interconnects

Complies with MIL-STD-348A

APPLICATIONS

Communications, Radar Systems and Antennas

Industrial applications that require a rugged, densely packaged RF interconnect system

DESCRIPTION

A high performance micro-miniature, push-on coaxial interconnect system
Extremely small size interconnection that offers a versatile solution for high density packaging, allowing center-to-center spacing of 0.135"

PRODUCT OFFERING

Shrouds; flange mount, thread-in and press-in (full detent and smooth bore)
Hermetic shrouds (single and dual positions)
Edge mount and through-hole PCB shrouds
Surface mount PCB shrouds (full detent, smooth bore and catcher's mitt designs)
Adapters, custom lengths and spring loaded options
Straight and right-angle jacks for .047 cable

ELECTRICAL

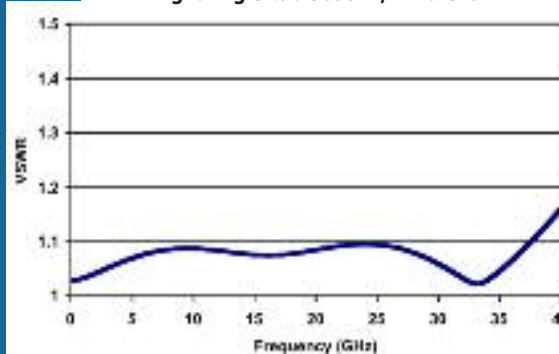
VSWR – 1.50:1 max to 40 GHz
Impedance – 50 ohm
Contact Resistance – Center - 6 milliohms max, Outer - 2 milliohms max.
Insulation Resistance – 5000 megohms min.
Dielectric Withstanding Voltage – 225 Vrms min.
Insertion Loss – 0.12 dB max. typical

MECHANICAL

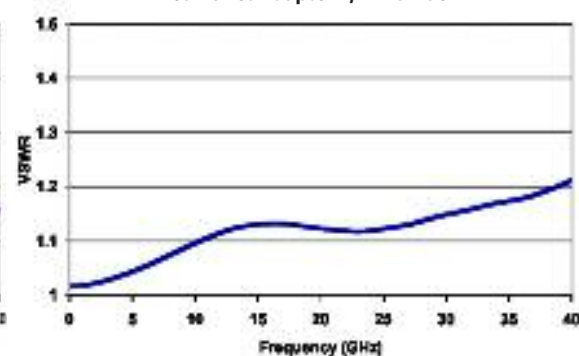
Force to engage – 4.5 lbs. typical full detent; 2.5 lbs. typical smooth bore
Force to disengage – 6.5 lbs. typical full detent; 1.5 lbs. typical smooth bore
Radial misalignment – ± 0.010 "
Vibration – EIA-364-28, Test condition III
Mechanical Shock – EIA-364-27, Method G
Durability – EIA-364-9, 100 cycles min.

TYPICAL VSWR

Right Angle Cable Jack P/N 1757643-1



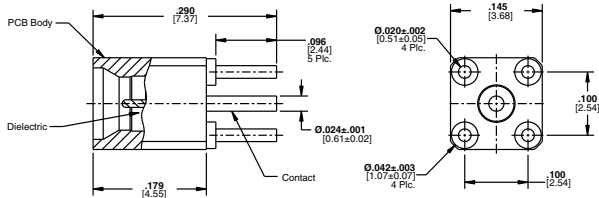
.265 Bullet Adapter P/N 1757256-1



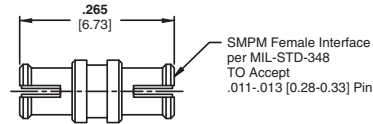
SMPM Micro-Miniature Push-On Coaxial Connectors

PRODUCT DIMENSIONS

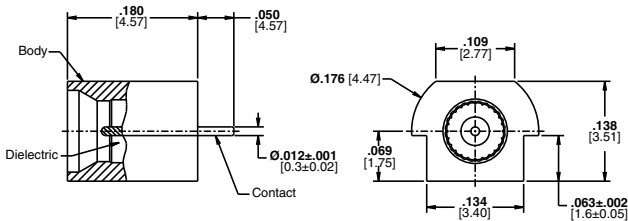
Vertical Through-Hole PCB Mount — Part No. 1757644-1



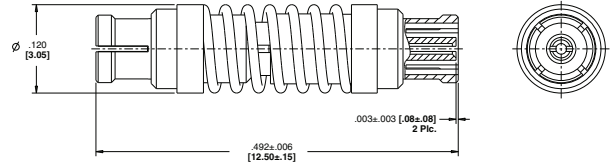
Female Bullet Adapter — Part No. 1757256-1



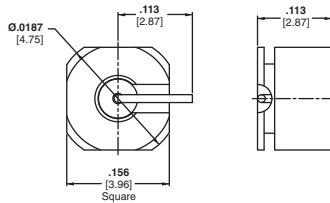
PCB Edge Mount — Part No. 1757640-1



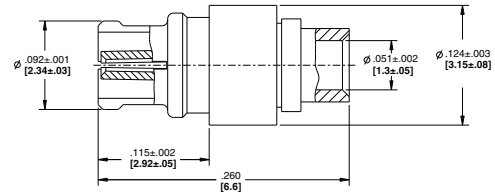
Jack to Jack, Adapter, Spring Bullet — Part No. 1757257-1



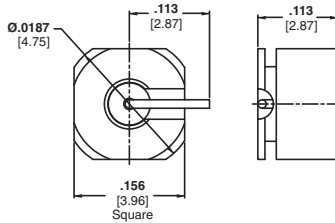
PCB Surface Mount, Smooth Bore — Part No. 1757253-1



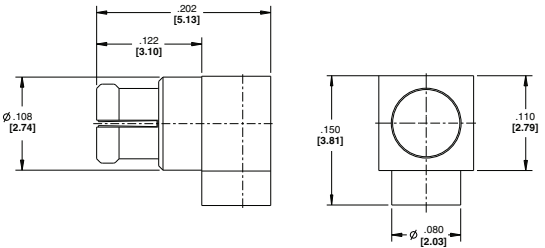
Cable Jack, Straight — Part No. 1757642-1



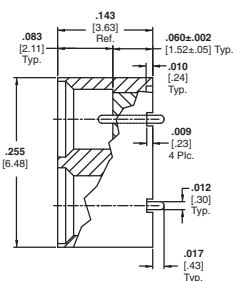
PCB Surface Mount, Full Detent — Part No. 1757254-1



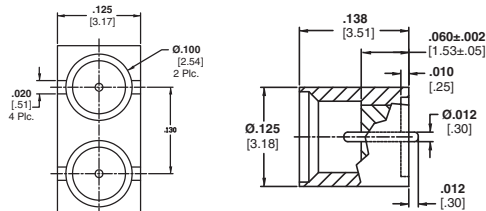
Cable Jack, Right-Angle — Part No. 1757643-1



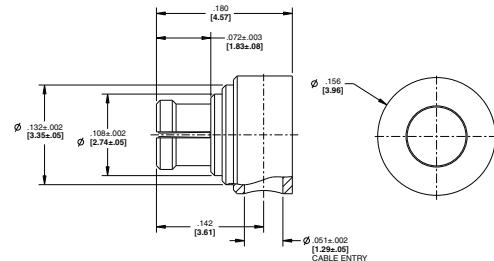
Hermetic, Smooth Bore, 2 Pos. Part No. 1663434-1



Hermetic Smooth Bore Part No. 1663433-1



Cable Jack, Right-Angle — Part No. 1757638-1



FOR MORE INFORMATION

Technical Support

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Hong Kong:	852-2735-1628
Japan:	81-44-844-8013
Great Britain:	44-208-420-8341
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