

SMA connectors are sub miniature RF connectors with threaded couplings which offer broadband performance from DC to 18 GHz. These are one of the smallest series available for RF coaxial applications. The small size allows interconnects on the most miniature of devices, devices with multiple posts where high density is required, where lighter weight end products are essential, and where it is necessary, to fit miniature, and sub miniature cables.

MATERIALS	
Connector Parts	Material
Connector Body and Parts	Brass, $\frac{1}{2}$
Male Contact Pin	Brass, $\frac{1}{2}$
Insulators	PTFE
Plating	Gold Over Nickel
Ferrule	Annealed Copper

MECHANICAL & ENVIRONMENTAL	
Requirement	Performance
Durability	500 Matings
Threads	.250-36
Cable Retention	40 Lbs.
Temperature Range	-40 - +65 °C. (Delrin), -65 - +165°C

ELECTRICAL	
Requirement	Performance
Impedance	50Ω
Frequency Range	0-18 GHz
VSWR	1.25 Max.
Working Voltage (At Sea level)	500V Peak
Insulation Resistance	5000 Megohm Min.

All body plating is gold over nickel. However, nickel plating is available if specified. Versions in stainless steel are also available. Contact Bomar Interconnect sales support for details and availability.
Call 973-347-4040

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Drawing

Direct Solder For Semi-Rigid Cable

Straight Cable Plug
High Voltage
Cable: .141" Semi Rigid Cable

P/N: 910A704HV

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Drawing

Direct Solder For Semi-Rigid Cable

Straight Cable Plug With Contact
Cable: .085" A=2.2 Min. B=3.0 Min.
Cable: .141" A=3.6 Min. B=4.6 Min.

P/N: 910A704A (.085)

P/N: 910A704B (.141)

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Drawing

Direct Solder For Semi-Rigid Cable

Straight Cable Jack
Cable: .085" A=2.2 Min. B=3.0 Min.
Cable: .141" A=3.6 Min. B=4.6 Min.

P/N: 920A704A (.085)

P/N: 920A704B (.141)

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Drawing

Direct Solder For Semi-Rigid Cable

Bulkhead Feed-through Cable Jack
Cable "A": .085" A1=2.2 Min. B1=3.0 Min.
Cable "B": .141" A2=3.6 Min. B2=4.6 Min.

P/N: 921A704A (.085)

P/N: 921A704B (.141)

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Drawing

Direct Solder For Semi-Rigid Cable

Bulkhead Feedthrough Cable Jack
Cable "A": .085" A1=2.2 Min. B1=3.0 Min.
Cable "B": .141" A2=3.6 Min. B2=4.6 Min.

P/N: 917A704A (.085)

P/N: 917A704B (.141)

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Drawing

Direct Solder For Semi-Rigid Cable

Panel Mount 2 Hole Flange Cable Jack
Cable "A": .085" A1=2.2 Min. B1=3.0 Min.
Cable "B": .141" A2=3.6 Min. B2=4.6 Min.

P/N: 917B704A (.085)

P/N: 917B704B (.141)

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Drawing

Direct Solder For Semi-Rigid Cable

Right Angle Cable Plug
Cable "A": .085" A1=2.2 Min. B1=3.0 Min.
Cable "B": .141" B2=3.6 Min. B2=4.6 Min.

P/N: 913A704A (.085)

P/N: 913A704B (.141)

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