

2.92MM SERIES

2.92mm Interface at a Glance

The 2.92mm connector was developed for use to 40 GHz. The male pin is shorter than that of an SMA or 3.5mm to ensure that the outer contacts of the male and female connectors engage before the pin and female receptacle do. This ensures that the pin and socket will not see excessive wear and mating stress seen by misalignment in an SMA or 3.5mm connector. The 2.92mm connector also has a thicker wall than a standard SMA. The 2.92mm series mates with SMA and 3.5mm connectors.

Electrical Specifications

Impedance	50Ω
Frequency	40 GHz
VSWR	1.03 + .005 f
Insertion Loss	.04 √ f
Shielding Effectiveness	≥ 100 dB

Mechanical Specifications

Mating Cycles	500
Mating Torque	7 - 10 in - lbs
Inter-mate ability	SMA, 3.5mm

Environmental Specifications

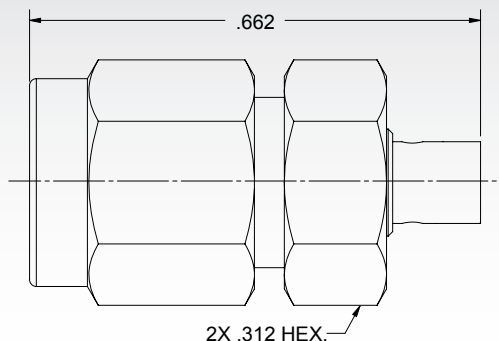
Temperature Rating	-65°C to +165°C
Corrosion (Salt Spray)	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D, 20 Gs
Shock	MIL-STD-202, Method 213, Condition I, 100 Gs
Thermal Shock	MIL-STD-202, Method 107. Cond. B, -65°C to +125°C
Moisture Resistance	MIL-STD-202, Method 106, Less Step 7B
Barometric Pressure (Altitude)	MIL-STD-202, Method 105, Condition C, 70k Ft.

Note: Specifications, dimensions and images are typical for the series and may vary by part number

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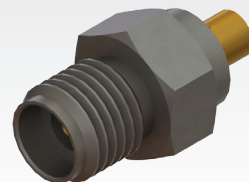
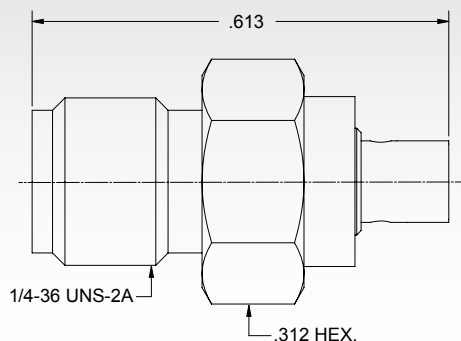
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Male Cable Connector



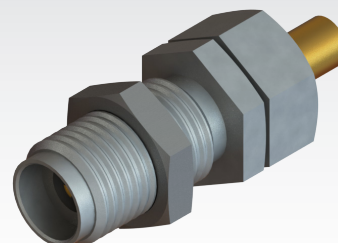
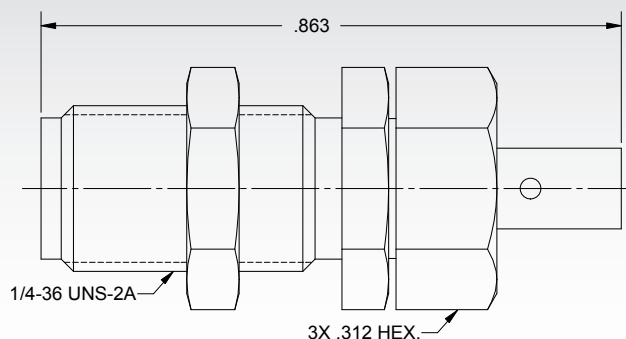
Cable	P/N
.047	SF1511-60069
.085	SF1511-60071
.141	SF1511-60044

Female Cable Connector



Cable	P/N
.047	SF1521-60039
.085	SF1521-60077
.141	SF1521-60042

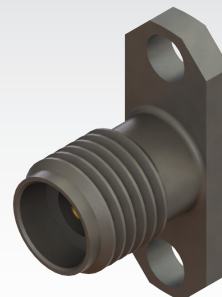
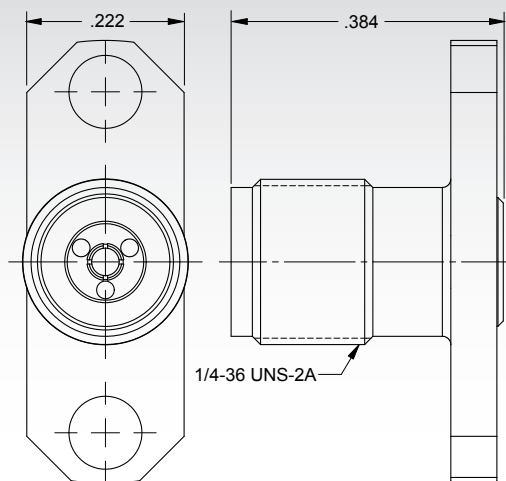
Female Bulkhead Cable Connector



Cable	P/N
.047	SF1521-60045
.085	SF1521-60025
.141	SF1521-60044

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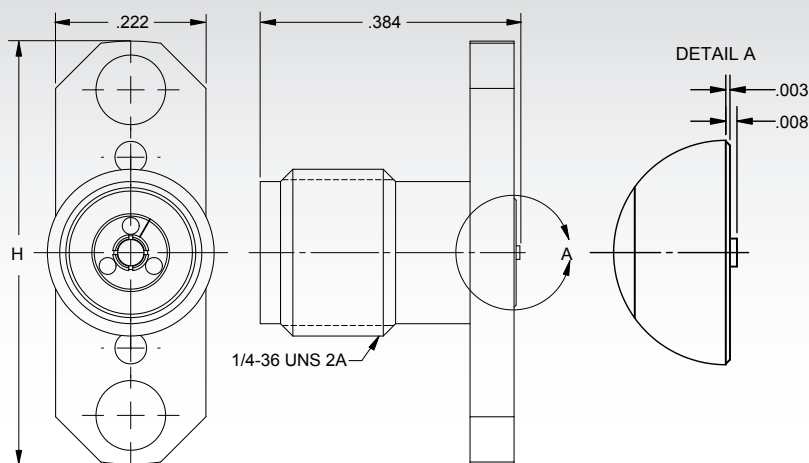
Female Flange Mount Connector, 2 Hole (Accepts Ø.012" Pin)



P/N

SF1552-6002

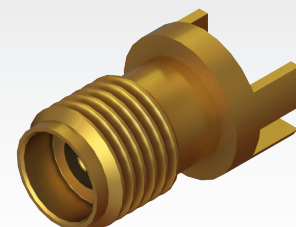
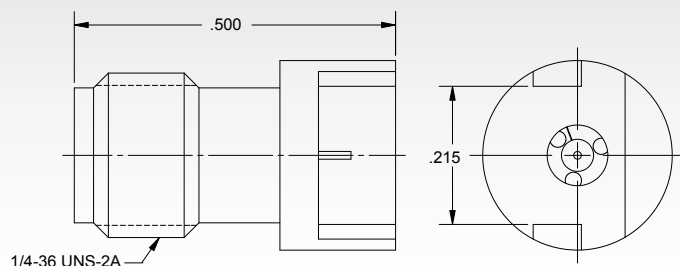
Female Flange Compression Mount Connector, 2 Hole



Contact SV directly to access our database of recommended PCB layouts

P/N	Desc.	H
SF1521-60013	Stripline	.625"
SF1521-60061	Stripline	.400"
SF1521-60070	CPW, Microstrip	.400"

Female Edge Launch Connector (.062" PCB Thickness)



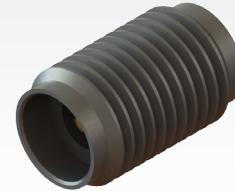
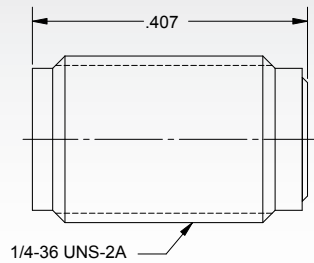
Contact SV directly to access our database of recommended PCB layouts

P/N

1521-60051

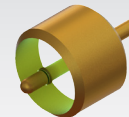
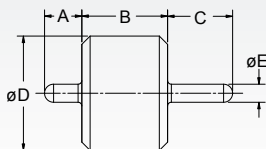
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Female Sparkplug Connector



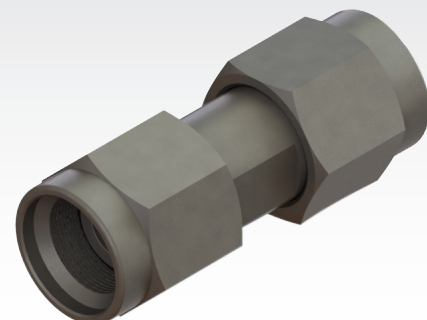
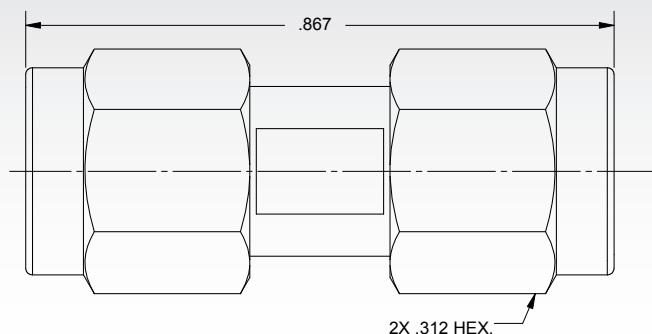
P/N
SF1575-6007

Feed-Thru Hermetic Seal



P/N	A	B	C	øD	øE
066-15-000	.040"	.055"	.029"	.076"	.012"
066-15-001	.040"	.055"	.080"	.076"	.012"
066-15-002	.030"	.055"	.026"	.068"	.009"
066-15-003	.030"	.055"	.080"	.068"	.009"
066-15-004	.030"	.055"	.120"	.068"	.009"
066-15-005	.050"	.060"	.125"	.158"	.020"

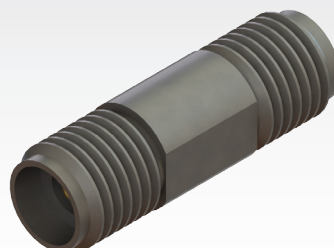
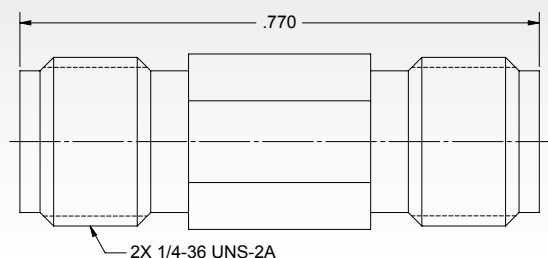
2.92mm Male to Male Adapter



P/N
SF1593-6000

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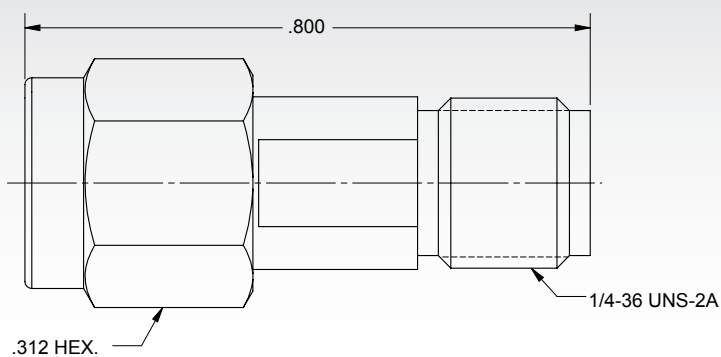
2.92mm Female to Female Adapter



P/N

SF1590-6000

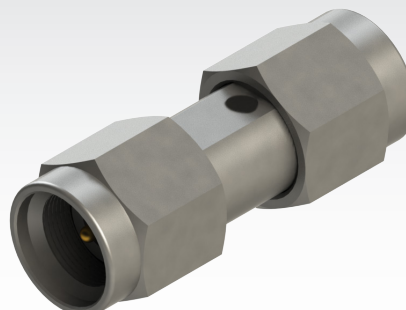
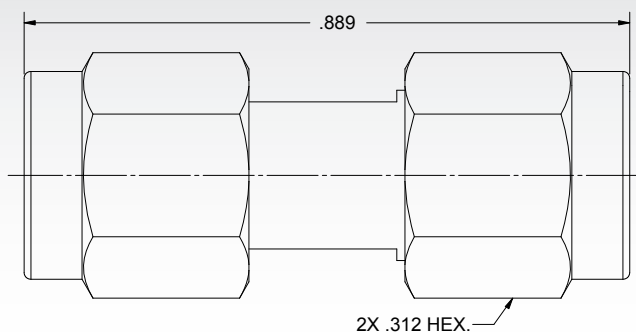
2.92mm Male to Female Adapter



P/N

SF1597-6003

2.92mm Male to SMA Male Adapter



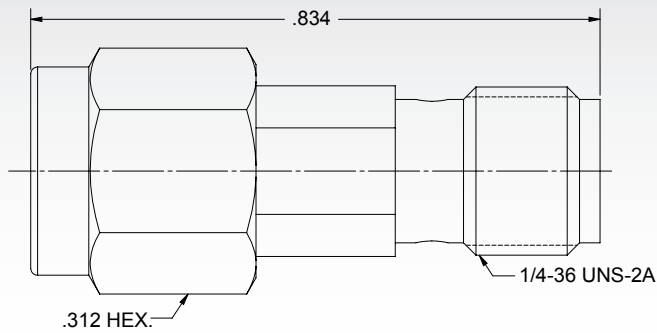
P/N

SF1115-6011

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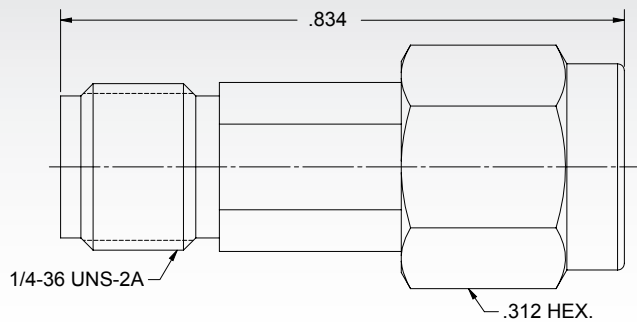
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2.92mm Male to SMA Female Adapter



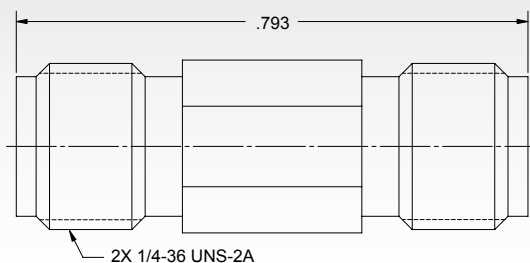
P/N
SF1115-6009

2.92mm Female to SMA Male Adapter



P/N
SF1115-6007

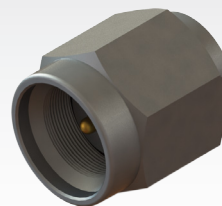
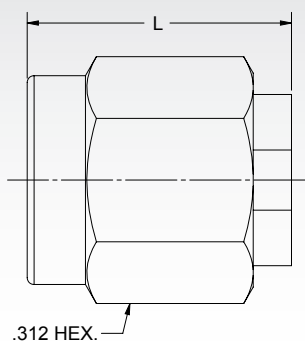
2.92mm Female to SMA Female Adapter



P/N
SF1115-6005

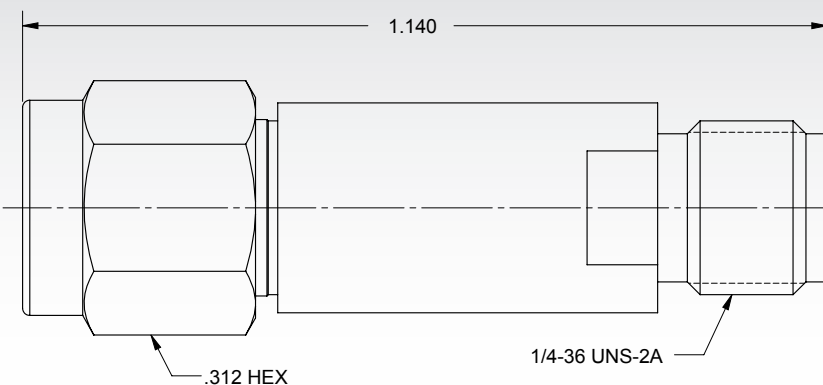
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Male Termination



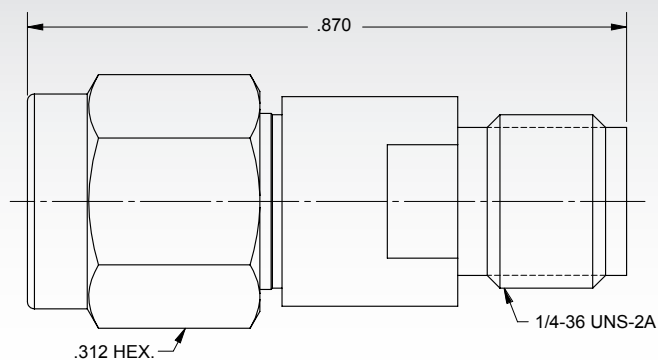
P/N	L
SF8015-6002	.375"
SF8015-6007	.560"

2.92mm Female to Male Attenuator, 32 GHz



P/N	Desc.
M3933/30-XXN	Nonscreened
M3933/30-XXS	Screened

2.92mm Male to Female Attenuator, 40 GHz



P/N
SF0915-6200-XX

