

SMPS SERIES

SMPS Interface at a Glance

SV Microwave offers a complete line of SMPS connectors. The SMPS connector utilizes the same great features of the SMP and SMPM connector series in an even smaller package. The SMPS series is ideal in applications where density is of the utmost importance.

Electrical Specifications

Impedance	50Ω
Frequency	100 GHz
VSWR	1.10:1 to 26.5 GHz typ.; 1.25:1 to 65 GHz typ.
Insertion Loss	.07 √ f
Shielding Effectiveness	≥ -80 dB typ.
Dielectric Withstanding Voltage	250 VRMS

Mechanical Specifications

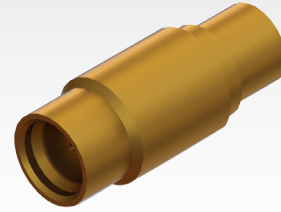
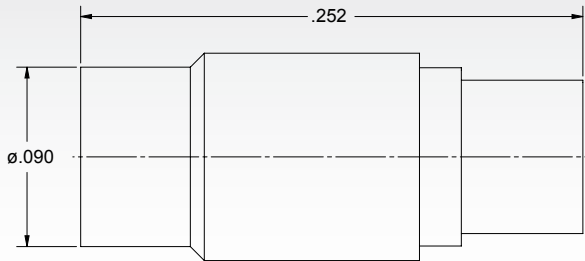
	SB	FD
Mating Cycles	500	100
Force to Engage/Disengage	1.2 / 1.0 lbs	2.5 / 4.5 lbs
Axial Misalignment		.010"
Radial Misalignment		± .010"

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 +165°C
Barometric Pressure (Altitude)	MIL-STD-202, Method 105, Condition C, 70k Ft.

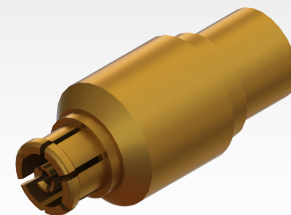
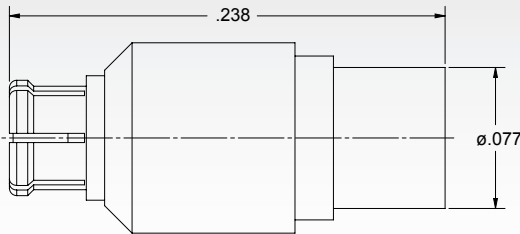
Note: Specifications, dimensions and images are typical for the series and may vary by part number

Male Cable Connector



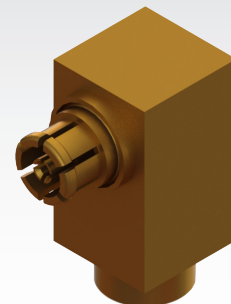
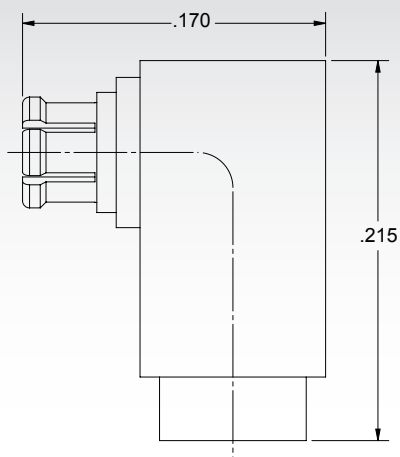
Detent	Cable	P/N
SB	.047	3811-40002
FD	.047	3811-40001

Female Cable Connector



Cable	P/N
.047	3821-40001

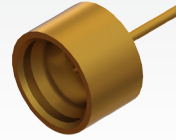
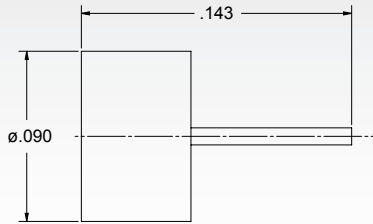
Female Cable Connector, Swept R/A



Cable	P/N
.047	3822-40001

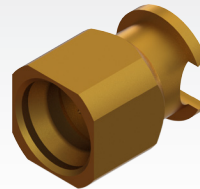
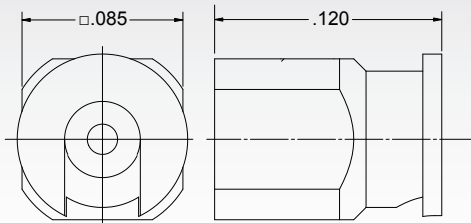
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Male Solder-In Connector (.009")



Detent	P/N
SB	3811-40005
FD	3811-40006

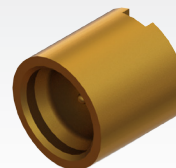
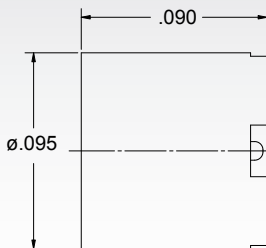
Male Surface Mount Connector



Detent	P/N
SB	3811-40023
FD	3811-40022

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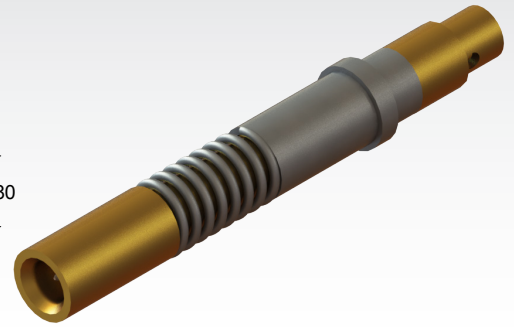
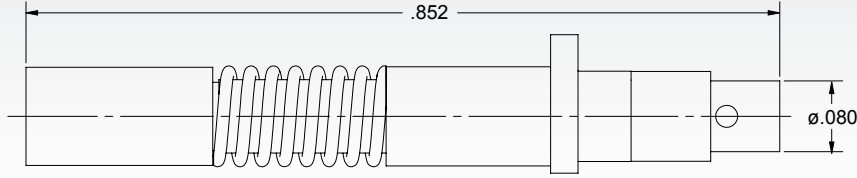
Male Surface Mount Hermetic Connector (.009")



Detent	P/N
SB	3811-60005
FD	3811-60006

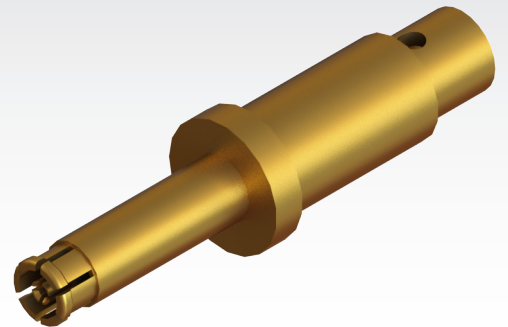
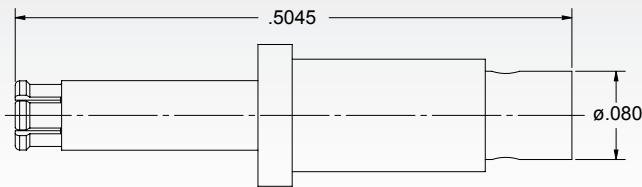
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Socket D38999 Cable Contact (Size 16)



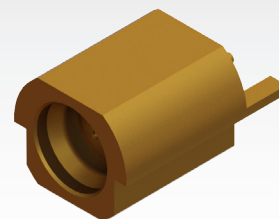
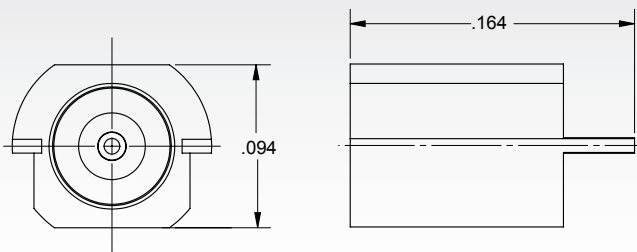
Cable	P/N
.047	SF9911-60001

Pin D38999 Cable Contact (Size 16)



Cable	P/N
.047	9921-40001

Male Edge Launch Connector

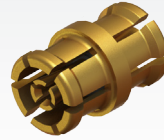
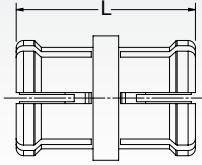


Detent	P/N
SB	3811-40004
FD	3811-40003

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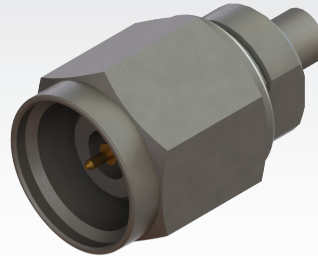
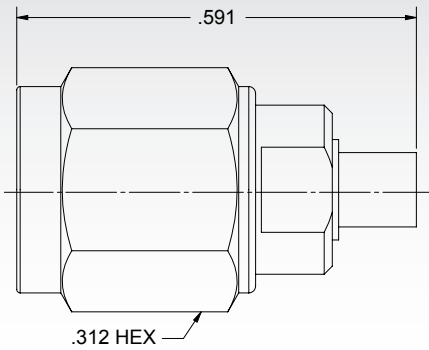
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Female to Female Bullet



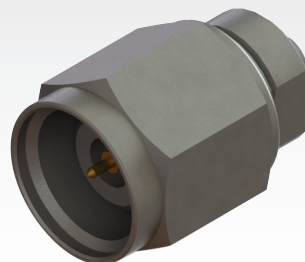
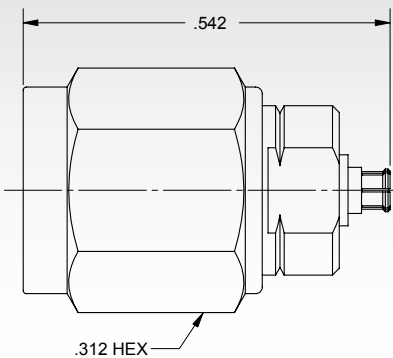
P/N	L
1138-4001	.098"
1138-4002	.118"
1138-4003	.134"
1138-4004	.188"

SMPS Male to 2.4mm Male Adapter



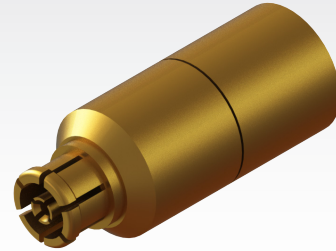
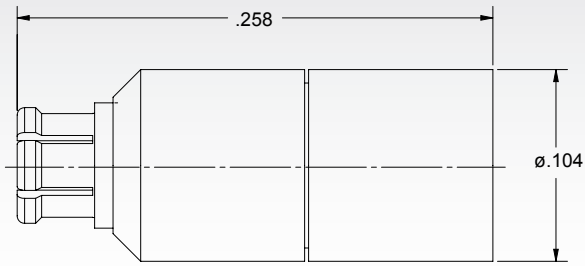
Detent	P/N
SB	SF1116-6023
FD	SF1116-6024

SMPS Female to 2.4mm Male Adapter



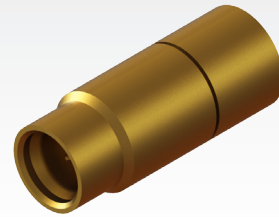
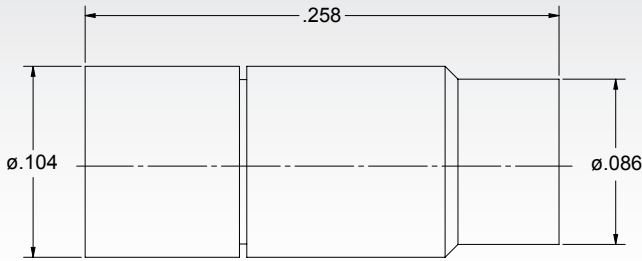
P/N
SF1116-6025

Female Termination



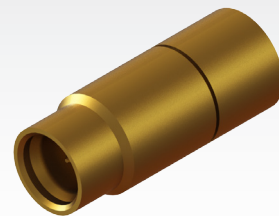
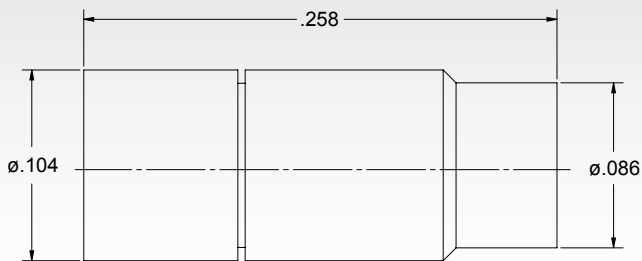
P/N
8038-4001

Male Termination



Detent	P/N
SB	8038-6003
FD	8038-6004

Male Short

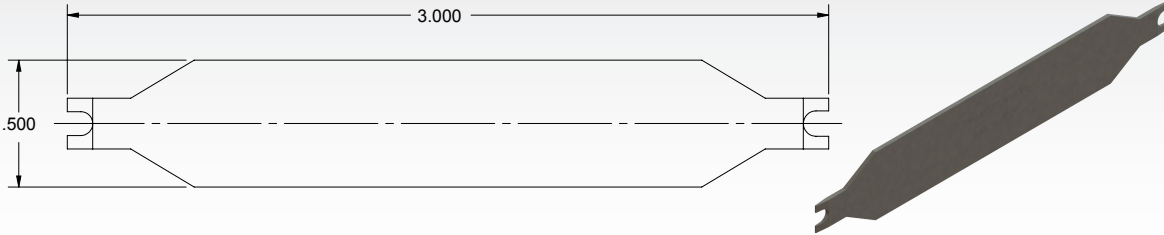


Detent	P/N
SB	8038-6005
FD	8038-6006

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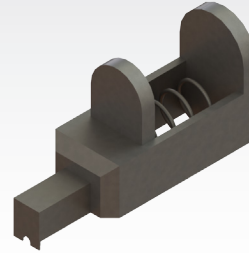
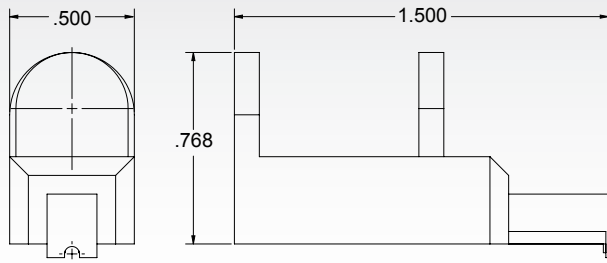
Female Cable Removal Tool



P/N

500-38-002

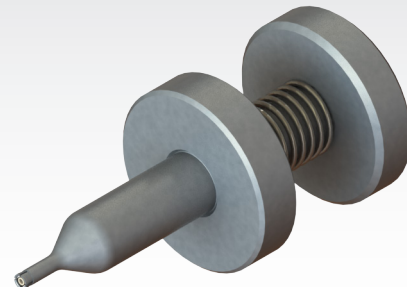
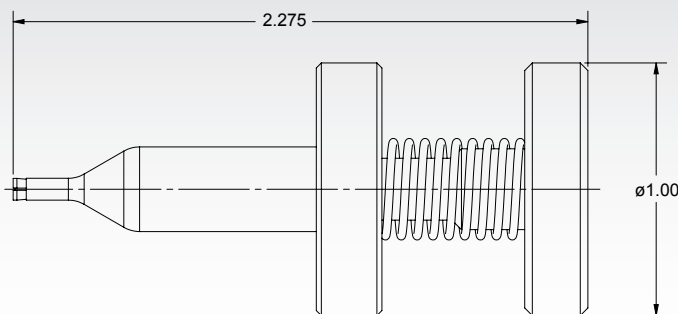
Female Removal Tool



P/N

500-38-003

Female Bullet Removal Tool



P/N

500-38-004