

SSMP Series

SSMP



Description

SSMP is about 30 percent smaller than standard SMP connectors which offer a solution of high-packaging-density and tight-spaced. Additional, SSMP provide expended operating range to 65GHz and run a good performance in rugged environmental conditions.

Applications

- Aerospace
- Board to Board Interconnect
- Broadband
- Instrumentation

Features

- RF performance DC to 65 GHz
- Extremely small dimensions
- A wide range of applications
- Economical board-to-board connections
- Fast and efficient PCB mounting due to blister tapes.

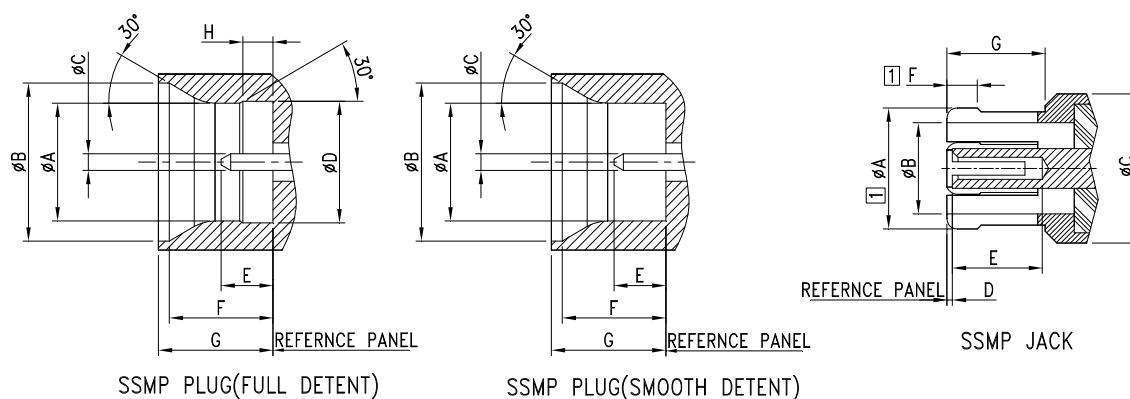
SSMP - Specification

SSMP is about 30 percent smaller than standard SMP connectors which offer a solution of high-packaging-density and tight-spaced.

Additional, SSMP provide expended operating range to 65GHz and run a good performance in rugged environmental conditions.

Interface Mating Dimensions:

SSMP CONNECTOR



PLUG

Letter	Millimeters(Inches)	
	Minimum	Maximum
∅A	—	2.16(.085)
∅B	2.82(.111)	2.92(.115)
∅C	0.28(.011)	0.33(.013)
∅D	2.18(.086)	2.24(.088)
E	0.76(.030)	1.14(.045)
F	—	1.83(.072)
G	—	2.13(.084)
H	0.53(.021)	—

JACK

Letter	Millimeters(Inches)	
	Minimum	Maximum
∅A	—	2.41(.095)
∅B	1.60(.063)	—
∅C	—	2.79(.110)
D	0.00(.000)	0.20(.008)
E	.050(1.27)	—
F	—	0.58(.023)
G	1.73(.068)	—

Note 1 Features to meet electrical and me-chanical requirements when matedd with SSMP Plug interface

SSMP Series

Electrical :

Impedance	50ohm
Frequency Range	0 to 65 GHz
VSWR	DC to 26.5 GHz 1.20 Max 26.5 to 65 GHz 1.50 Max
Voltage Rating	325 volts rms max.
Dielectric withstanding Voltage	500 volts rms at sea level
Contact resistance	Center Contact : 6.0 Milliohms Max. Outer Contact : 2.0 Milliohms Max.
RF Leakage	-80dB min. at 3 GHz -65dB min. form 3 to 26.5GHz
Insulator resistance	5G ohms min.

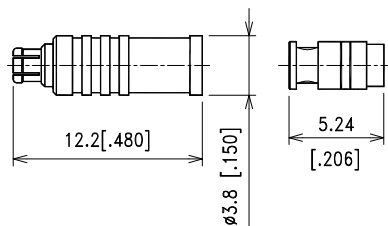
Mechanical & Environmental :

Durability	100 matings min.
Engagement force	19 N Max / 4.3 lbs Max(Full Detent) 11 N Max /2.5 lbs Max (Smooth Bore)
Disengagement force	17 N Min / 3.7 lbs Max(Full Detent) 11 N Min /2.5 lbs Max (Smooth Bore)
Conter Contact Captivation	7 N Min/1.6 lbs Min(captivation designs)
Vibration	MIL-STD-202,Method 204,Condition A
Salt Spray	MIL-STD-202,Method 101,Condition B
Shock	MIL-STD-202,Method 213,Condition I
Temperature Range	-55°C to +155°C
Thermal Shock	MIL-STD-202,Method 107,Condition B
Moisture Resistance	MIL-STD-202,Method 106

Material :

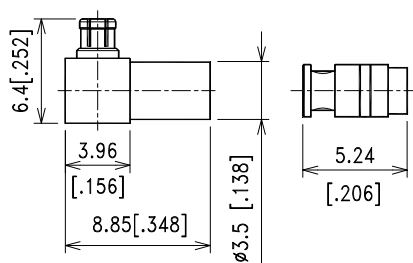
	Material	Plating
Connector Body	Mele:Beryllium-Copper or Brass	Gold
	Female:Beryllium-Copper or Brass	Gold
Center Contact	Beryllium-Copper	Gold
Insulation	Teflon	None

IN-SERIES ADAPTER



STRAIGHT CABLE JACK

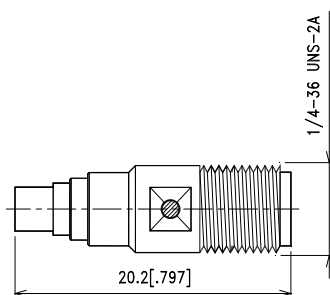
P/N	Cable Group	Impedance
159-F060	36	50
159-F061	34	50
159-F062	37	50
159-F063	38	50
159-F064	28	50



RIGHT ANGLE CABLE JACK

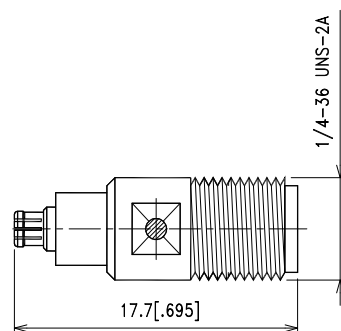
P/N	Cable Group	Impedance
159-F08A	34	50
159-F08B	28	50
159-F08C	36	50
159-F08D	37	50
159-F08E	70	50
159-F08F	38	50

BETWEEN-SERIES ADAPTER



SSMP PLUG FOR SMA JACK ADAPTER

P/N	Cable Group	Impedance
159-A035	N/A	50



SSMP JACK FOR SMA JACK ADAPTER

P/N	Cable Group	Impedance
159-A045	N/A	50