

SSMA

CONNECTOR SERIES

INTERFACE MATING DIMENSIONS

SPECIFICATIONS

CONTENT:

R/A Direct Solder Plug

Direct Solder Plug

R/A PCB Mount Jack

PCB Mount Jack

Panel Recept Jack

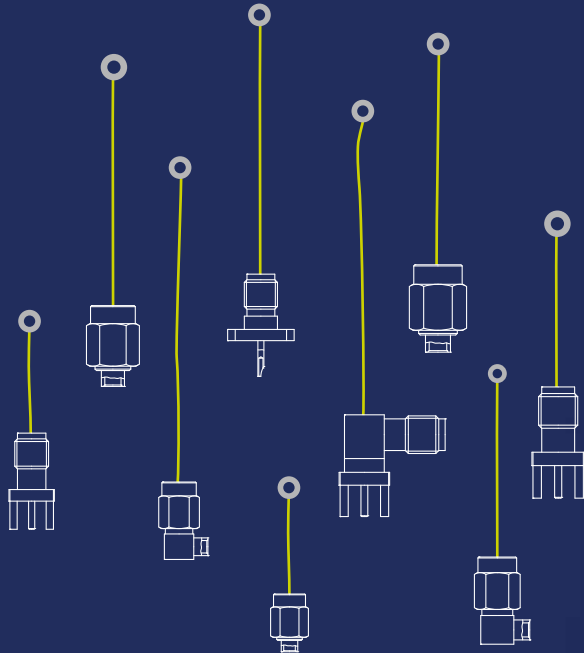
Bridging Gaps



SSMA series

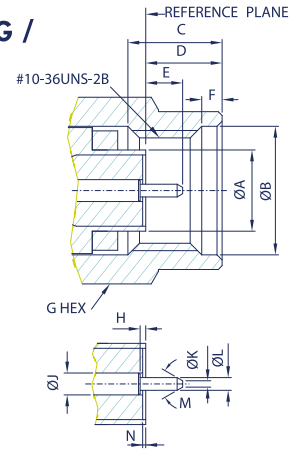
SSMA connectors are micro-miniature, high-frequency connectors with threaded mating (smaller version of SMA series), designed to MIL-PRF-39012 requirements.

Made of Stainless, SSMA connectors provide mechanical ruggedness, no matter how small the connector.

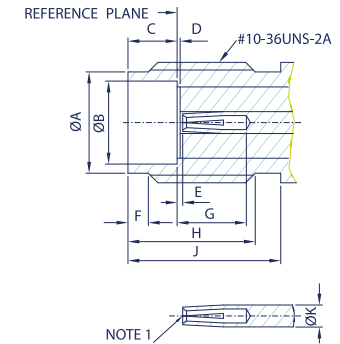


INTERFACE MATING DIMENSIONS

PLUG /



JACK /



PLUG		
Letter	Millimeters	
	Minimum	Maximum
A	3.15	3.22
B	4.98	5.13
C	3.30	-
D	2.54	3.38
E	1.27	1.65
F	0.38	1.14
G	6.23	6.47
H	0.00	0.25
J	0.86	0.88
K	-	0.25
L	0.50	0.53
M	70°	95°
N	0.00	0.25

JACK		
Letter	Millimeters	
	Minimum	Maximum
A	3.89	4.06
B	3.23	3.30
C	1.90	1.96
D	0.00	0.25
E	0.00	0.25
F	0.51	1.02
G	1.90	-
H	4.32	-
J	5.84	-
K	0.86	0.88

NOTE 1: I.D. TO MEET VSWR AND CONTACT RESISTANCE WHEN MATED WITH 0.5 / 0.53 MM DIA. PIN.

SPECIFICATIONS

Electrical /

Impedance		50 Ohm
Frequency Range		0 - 18 GHz
Working Voltage		250 VRMS Max.
Dielectric Withstanding Voltage		750 VRMS Min.
VSWR	Straight	1.2+0.03 F(GHz) Max.
	Right Angle	1.2+0.033 F(GHz) Max.
Contact Resistance	Center Contact	6 Milliohms Max.
	Outer Contact	2.5 Milliohms Max.
Insulator Resistance		1000 Megohms Min.

Material /

Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Gold 3 micro-inches
Center Contacts	Male: Brass per QQ-B-626	Gold 30 micro-inches
	Female: Beryllium copper per QQ-C-530	Gold 30 micro-inches
Insulators	Teflon	None
Crimp Ferrules	Annealed copper	Gold 3 micro-inches

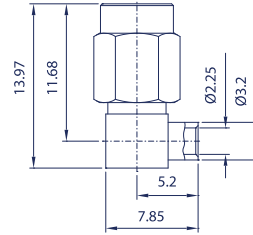
NOTE: Other Material / Finish is Available on Request.

Mechanical & Environmental /

Engagement Force	2 in-lbs. Max.
Disengagement Force	2 in-lbs. Max.
Coupling Nut Retention	22.5 lbs. Min.
Coupling Proof Torque	5 in-lbs. Min.
Contact Retention	4 lbs. Min.
Durability (Mating)	500 cycles Min. (For beryllium copper jack contact only)
Temperature Range	-55°C to 105°C
Vibration	MIL-STD-202 Method 204 Test Cond.B.
Salt Spray	MIL-STD-202 Method 101 Test Cond.B.
Thermal Shock	MIL-STD-202 Method 107 Test Cond.B.

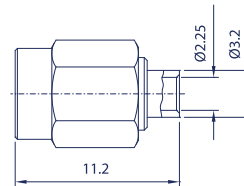
SSMA

series



R/A DIRECT SOLDER PLUG

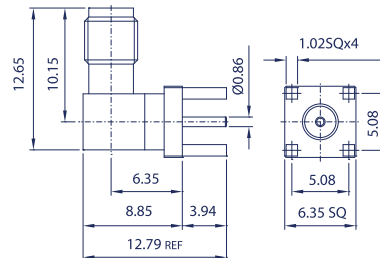
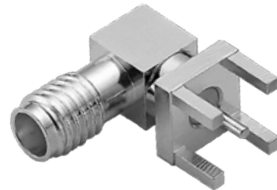
Model No.	Cable Group	Impedance
FL52P2-NR5	.085",.086"	50



DIRECT SOLDER PLUG

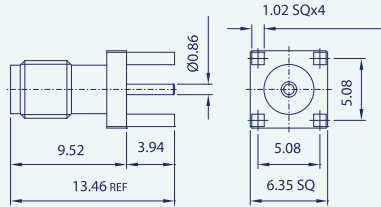
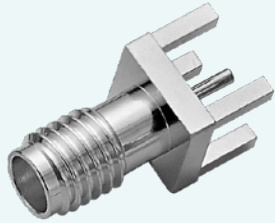
Model No.	Cable Group	Impedance
FL52P2-NS5	.085",.086"	50

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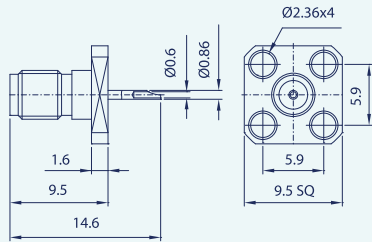
R/A PCB MOUNT JACK

Model No.	Cable Group	Impedance
FL52J5-NR502	N/A	50



PCB MOUNT JACK

Model No.	Cable Group	Impedance
FL52J5-NS502	N/A	50



PANEL RECEIPT JACK

Model No.	Cable Group	Impedance
FL52J9-FS501	N/A	50