



SSMA Series

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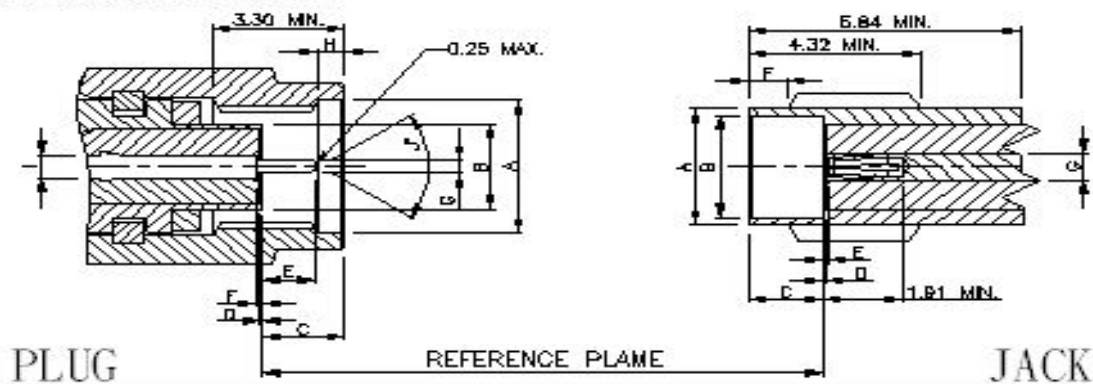
SSMA Series

SSMA series is micro-miniature SMA connector with a threaded coupling interface. With high mechanical strength and high durability, there is a huge variety of applications for SSMA connector. The impedance of the SSMA is controlled at 50 ohms, and this series can be used up to frequencies of 38 GHz. This series is suitable for the standard ranges of flexible cables, and it's also available as a PCB mounted version.

Applications:

*mobile communication systems *civil and military telecommunications *video equipment

SSMA Interfaced Dimensions:



SSMA Series					
	PLUG			JACK	
	Minimum	Maximum		Minimum	Maximum
A	4.98	5.13		3.73	3.81
B	3.15	4.27		3.23	3.30
C	2.54	3.38		1.91	1.96
D	0.00	0.25		0.00	0.25
E	1.27	1.65		0.00	0.25
F	0.00	0.25		0.51	1.02
G	0.05	0.53		0.85	0.88
H	0.00	0.25			
I	0.85	0.88			
J	70°	90°			



Materials :

Connector part	Material	Finish
Bodies	Brass	Nickel or Gold
Center Contact	Male: Brass Female: Brass, Phosphor Bronze, or Beryllium Copper	Gold
Insulator	Delrin or Teflon	N/A
Crimp ferrule	Annealed Copper	Nickel or Gold

Electrical :

Electrical Data	Detail
Impedance	50 ohm
Frequency range	0-38GHz
Working voltage	250 votls rms max.
Insulation resistance	5,000 megohms min.
Dielectric withstanding voltage	750 volts rms min.
Contact resistance	Center contact: 2.0 Milliohms Outer contact: 2.0 Milliohms
VSWR: f(GHz)	Straight: 1.2 max. Right angle: 1.3 max.
Insertion loss	0.04 dB max.

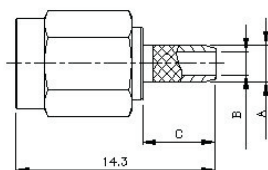
Mechanical :

Mechanical Data	Detail
Engagement force	2.0 inch-pound max.
Coupling Proof Torque	15 inch-pound
Connector durability	500 cycles min.
Cable retention force	RG174, 188, 316/U → 20 lbs min.

Environmental :

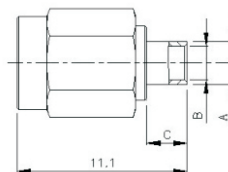
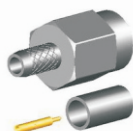
Environmental Data	Detail
Corrosion (Salt spray)	MIL-STD-202 METHOD 101 TEST CONDITION B
Thermal shock	MIL-STD-202 METHOD 107 TEST CONDITION B
Vibration	MIL-STD-202 METHOD 204 TEST CONDITION D
Mechanical shock	MIL-STD-202 METHOD 213 TEST CONDITION I
Temperature range	-65°C to 165°C (Teflon)

SOLDER FOR SEMI-RIGID CABLE



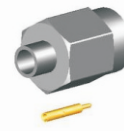
PART NUMBER:

SSMA-01LV5-TGG(-RP)	RD-316/U
SSMA-01LV1-TGG(-RP)	RG-174,316/U
SSMA-01M-TGG(-RP)	RG-178/U
SSMA-01U-TGG(-RP)	1.30MM CABLE



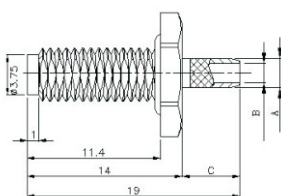
PART NUMBER:

SSMA-01V1-TGG(-RP) RG-405/U(.085"
SSMA-01V3-TGG(-RP) M17/151(.047")



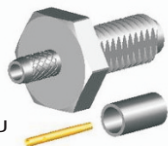
SSMA STRAIGHT JACK BULKHEAD FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE

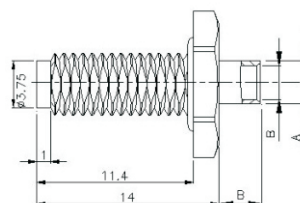


PART NUMBER:

SSMA-02LV5-TGG(-RP)	RD-316/U
SSMA-02LV1-TGG(-RP)	RG-174,316/U
SSMA-02M-TGG(-RP)	RG-178/U
SSMA-02U-TGG(-RP)	1.30MM CABLE

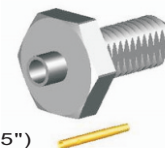


SOLDER FOR SEMI-RIGID CABLE



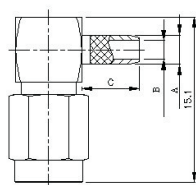
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SSMA-02V3-TGG(-RP) M17/151(.047")



SSMA RIGHT ANGLE PLUG FOR CABLE TYPE

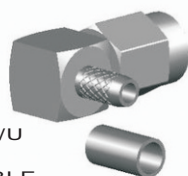
CRIMP FOR FLEXIBLE CABLE



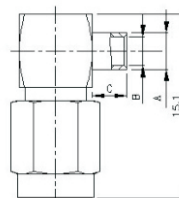
PART NUMBER:

PART NUMBER:

SSMA-03LV5-TGG(-RP)	RD-316/U
SSMA-03LV1-TGG(-RP)	RG-174,316/U
SSMA-03M-TGG(-RP)	RG-178/U
SSMA-03U-TGG(-RP)	1.30MM CABLE



SOLDER FOR SEMI-RIGID CABLE

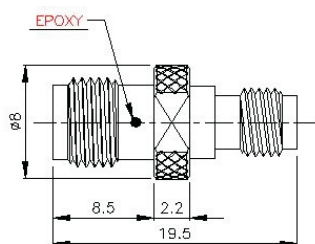


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SSMA-03V3-TGG(-RP) M17/151(.047")



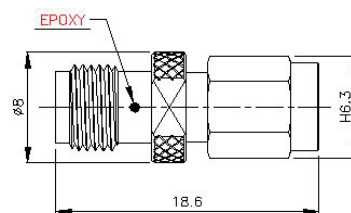
SSMA JACK- SMA JACK ADAPTOR



PART NUMBER:
SSMA-04-TGG



SSMA PLUG- SMA JACK ADAPTOR



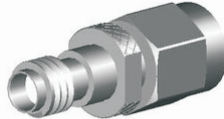
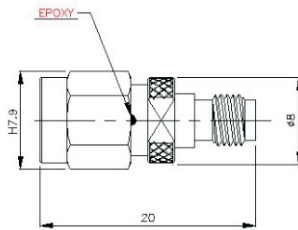
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SSMA-05 -TGG





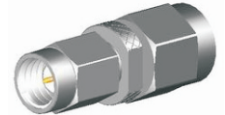
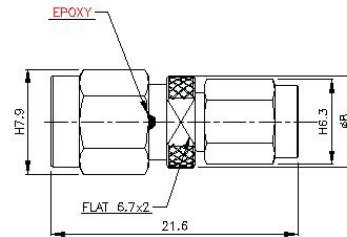
SSMA

SSMA JACK- SMA PLUG ADAPTOR



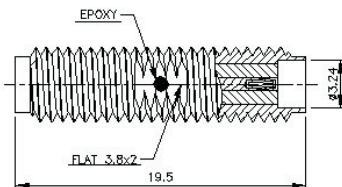
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SSMA PLUG- SMA PLUG ADAPTOR



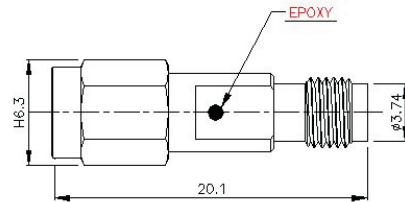
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SSMA JACK- SSMA JACK ADAPTOR



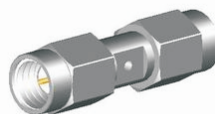
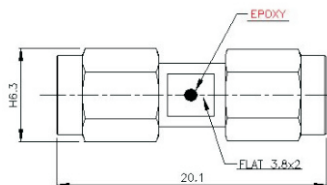
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SSMA-08-TGG

SSMA PLUG- SSMA JACK ADAPTOR



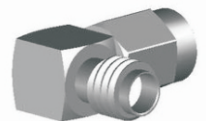
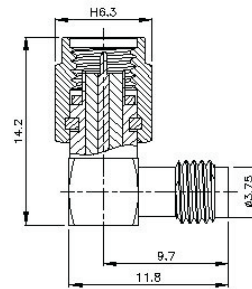
PART NUMBER:
SSMA-09-TGG

SSMA PLUG- SSMA PLUG ADAPTOR



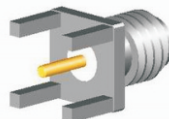
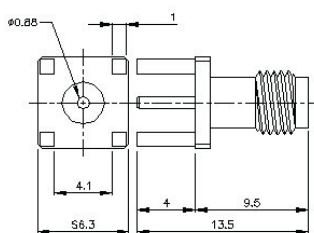
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SSMA JACK- SSMA PLUG ADAPTOR

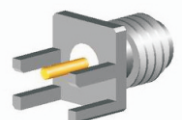
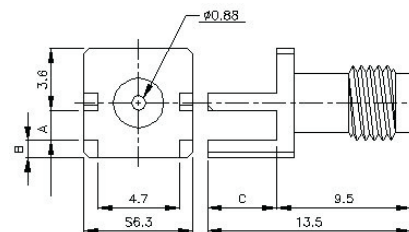


PART NUMBER:
SSMA-11-TGG

SSMA STRAIGHT PCB MOUNT RECEPTACLE

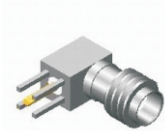
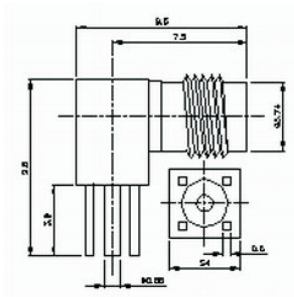


PART NUMBER:
SSMA-12-TGG



PART NUMBER:	BOARD THICKNESS	A
SSMA-12V4-TGG	1.57	1.72
SSMA-12V5-TGG	1.07	1.22

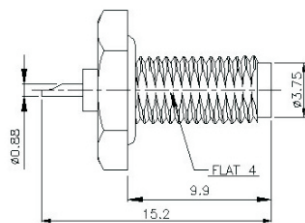
SSMA RIGHT ANGLE PCB MOUNT



PART NUMBER:
SSMA-16 -TGG(-RP)

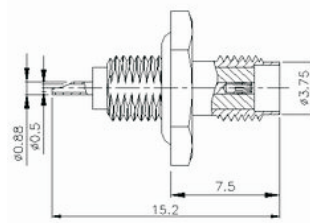
SSMA STRAIGHT JACK BULKHEAD RECEPTACLE

REAR MOUNT



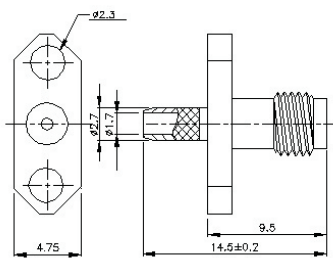
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SSMA-14 -TGG(-RP)

FRONT MOUNT

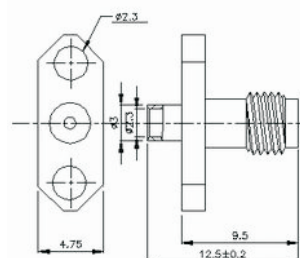


PART NUMBER:
SSMA-14V4 -TGG(-RP)

SSMA STRAIGHT 2 HOLES FLANGE MOUNT FOR CABLE TYPE

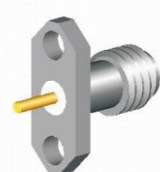
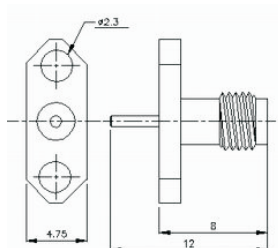


PART NUMBER:
SSMA-15LV1-TGG(-RP) RG-316/U
SSMA-15M-TGG(-RP) RG-178/I

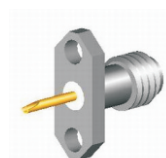
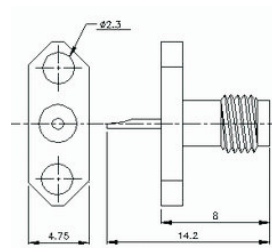


PART NUMBER:
SSMA-15V1-TGG(-RP) RG-405/U(.08
SSMA-15V3-TGG(-RP) M17/151(.047

SSMA STRAIGHT JACK 2 HOLES FLANGE MOUNT RECEPTACLE



PART NUMBER:
SSMA-15 -TGG

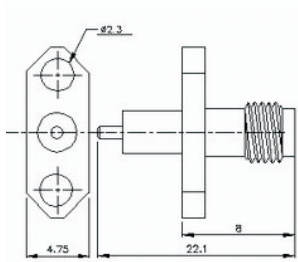


PART NUMBER:
SSMA-15V4-TGG

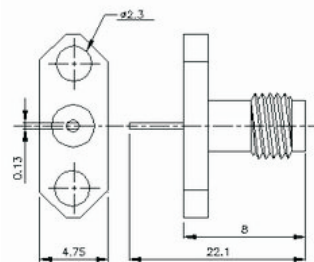
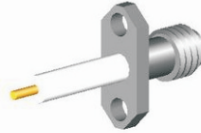


SSMA

SSMA STRAIGHT JACK 2 HOLES FLANGE MOUNT RECEPTACLE



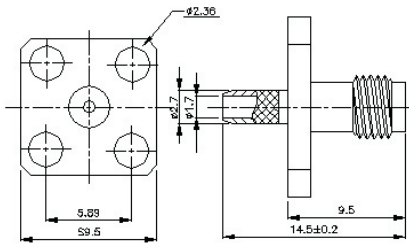
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SSMA-15V5-TGG



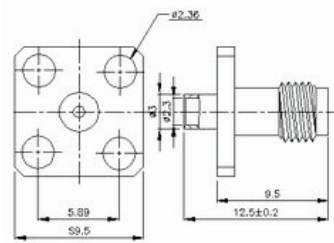
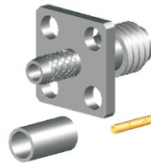
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SSMA-15V6-TGG



SSMA JACK FLANGE MOUNT FOR CABLE TYPE



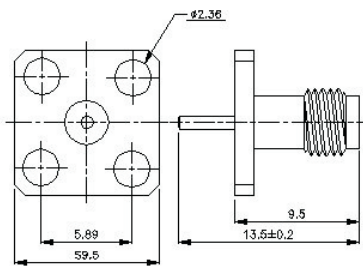
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SSMA-13LV1-TGG RG-316/U
SSMA-13M-TGG RG-178/U



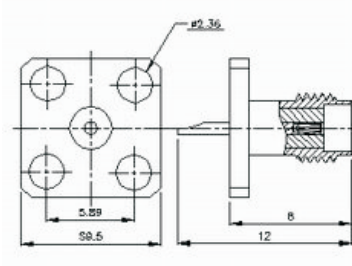
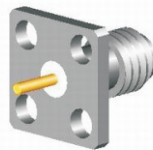
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SSMA-13V1-TGG RG-405/U(.085")
SSMA-13V3-TGG M17/151 (.047")



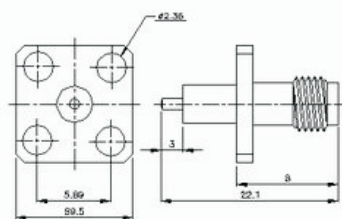
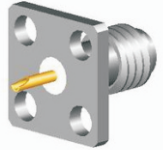
SSMA STRAIGHT JACK FLANGE MOUNT RECEPTACLE



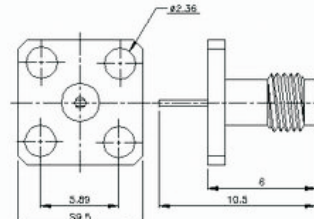
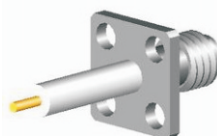
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SSMA-13-TGG



PART NUMBER:
SSMA-13V4-TGG



PART NUMBER:
SSMA-13V5-TGG



PART NUMBER:
SSMA-13V6-TGG

