



BMA Series

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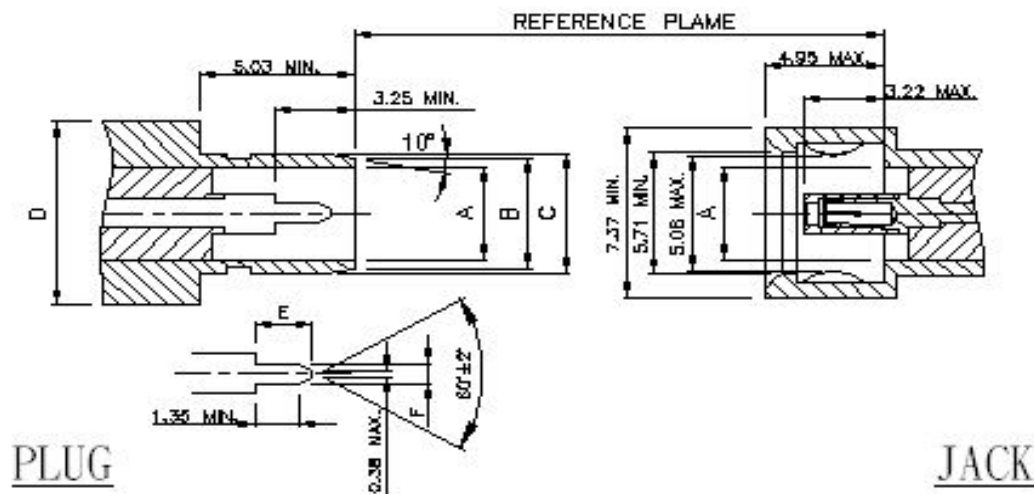
BMA Series

BMA series is blind-mate connector supplied with a slide-on coupling interface. This series presents an excellent range of products which features quick and reliable engagement. It is accessible in both fixed and float mount versions where any axial or radial are needed. BMA series can be operated to 18 GHz and its impedance is up to 50 ohms.

Applications:

*civil and military microwave circuits

BMA Interfaced Dimensions:



BMA Series					
PLUG			JACK		
	Minimum	Maximum		Minimum	Maximum
A	4.08 nom.			4.08 nom.	
B	4.88 nom.				
C	5.30	5.35			
D	7.62 nom.				
E	2.29 nom.				
F	0.90	0.94			



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	0-18GHz
Working voltage	350 volts rms max.
Insulation resistance	5,000 megohms min.
Dielectric withstanding voltage	1,000 volts rms min.
Contact resistance	Center contact: 2.0 Milliohms Outer contact: 2.0 Milliohms
VSWR: f(GHz)	RG174/U, 316/U 1.20+0.025f RG402(.141") 1.02+0.005f RG405(.085")
Insertion loss	0.03 dB 0.07 dB

Mechanical :

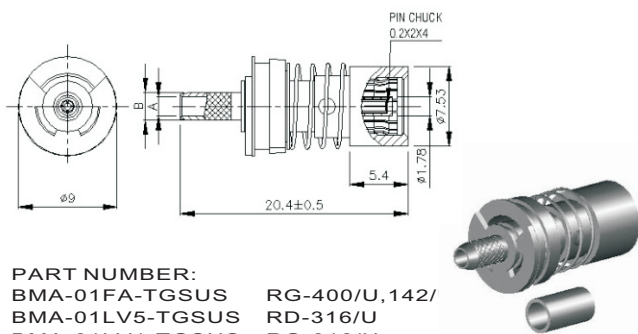
Mechanical Data	Detail
Engagement force	3.0 lbs Max.
Coupling Proof Torque	1.5 inch-pound
Connector durability	500 cycles min.
Cable retention force	RG174, 188, 316/U → 20 lbs min.

Environmental :

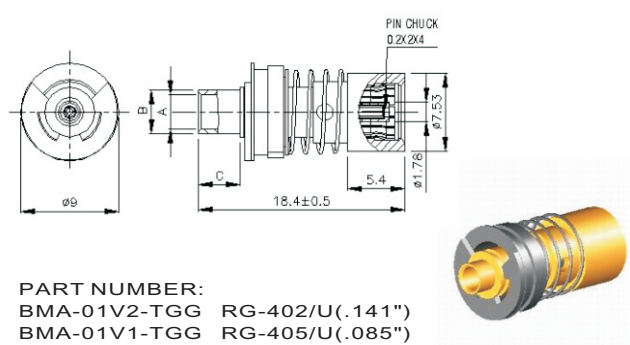
Environmental Data	Detail
Corrosion (Salt spray)	MIL-STD-202 METHOD 101 TEST CONDITION B
Thermal shock	MIL-STD-202 METHOD 107 TEST CONDITION B
Vibration	MIL-STD-202 METHOD 204 TEST CONDITION D
Mechanical shock	MIL-STD-202 METHOD 213 TEST CONDITION I
Temperature range	-65°C to 165°C (Teflon)

BMA STRAIGHT JACK FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE

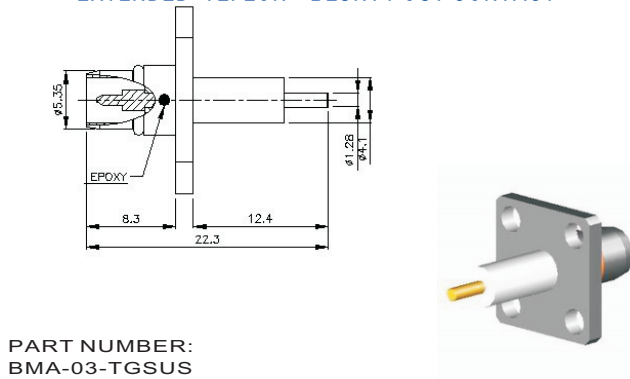


SOLDER FOR SEMI-RIGID CABLE

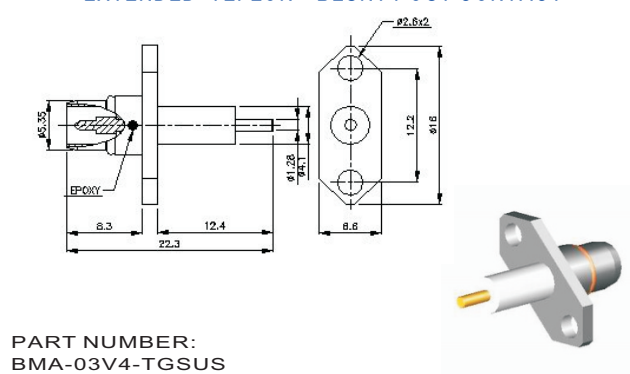


BMA STRAIGHT PLUG PANEL MOUNTED

EXTENDED TEFLON + BLUNT POST CONTACT

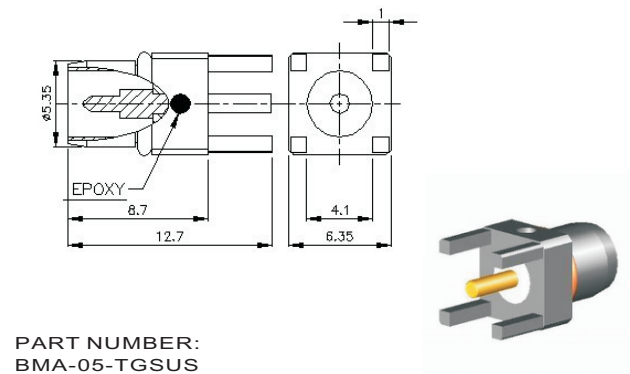
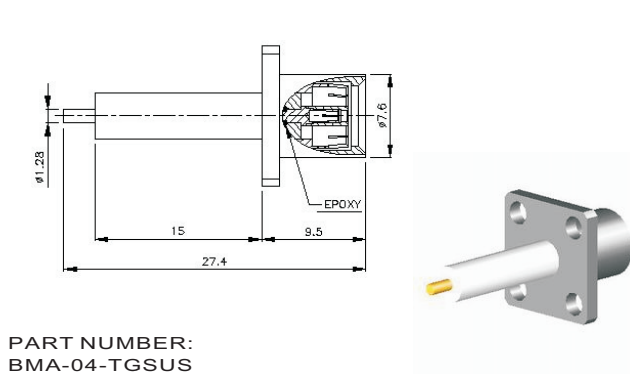


EXTENDED TEFLON + BLUNT POST CONTACT



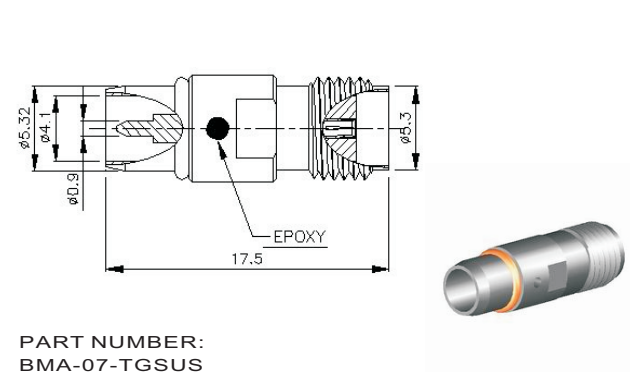
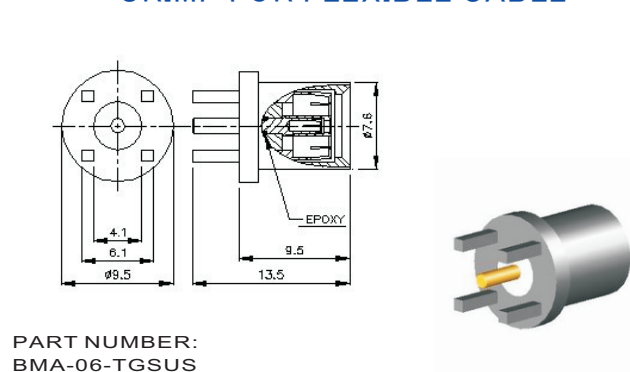
BMA STRAIGHT JACK PANEL MOUNTED SMA STRAIGHT PLUG PCB MOUNT

EXTENDED TEFLON + BLUNT POST CONTACT



BMA STRAIGHT JACK PCB MOUNT BMA PLUG - SMA JACK ADAPTOR

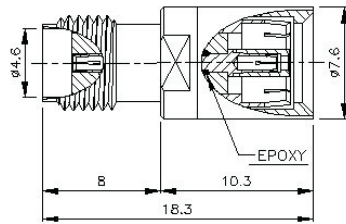
CRIMP FOR FLEXIBLE CABLE





BMA

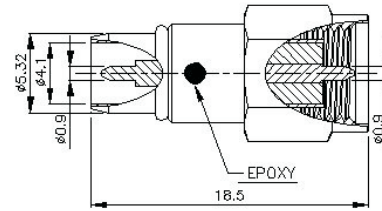
BMA JACK - SMA JACK ADAPTOR



PART NUMBER:
BMA-08-TGSUS



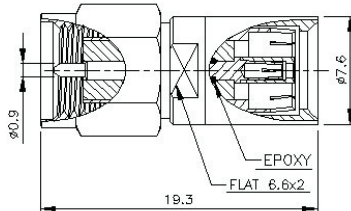
BMA PLUG - SMA PLUG ADAPTOR



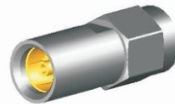
PART NUMBER:
BMA-09-TGSUS



BMA JACK - SMA PLUG ADAPTOR

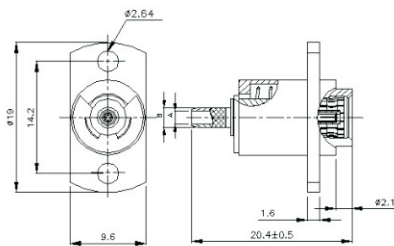


PART NUMBER:
BMA-10-TGSUS



BMA FLANGE MOUNT JACK FOR CABLE TYPE

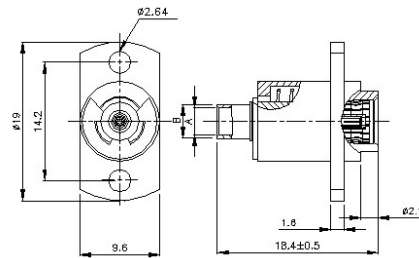
CRIMP FOR FLEXIBLE CABLE



PART NUMBER:
BMA-13FA-TGSUS RG-400/U, 142/U
BMA-13LV5-TGSUS RD-316/U
BMA-13LV1-TGSUS RG-316/U



SOLDER FOR SEMI-RIGID CABLE



PART NUMBER:
BMA-13V2-TGG RG-402/U (.141")
BMA-13V1-TGG RG-405/U (.085")

