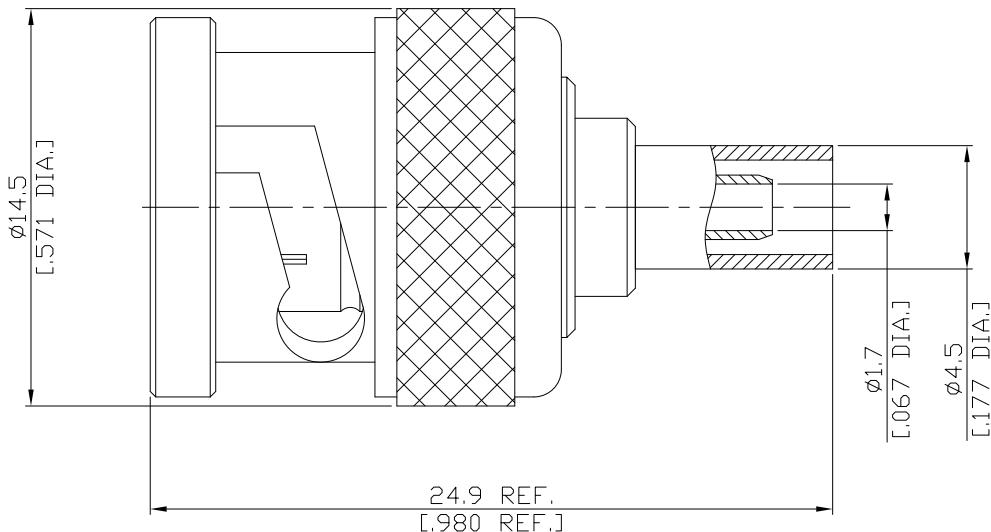


BNC Plug (Male) Straight Connector Centre Contact: Crimped or Soldered Attachment
for RG188D, RD188, RG316D, RD316, K02252D, DC-6GHz VSWR1.22

BNC1C50-D316A / 133



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-8

MIL-STD-348B/301

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.22 (≥ 20.1 dB)
Insertion Loss	≤ 0.04 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 3 mΩ
Outer Contact Resistance	≤ 2 mΩ
Test Voltage	1000 V rms
Working Voltage	480 V rms
Power handling (at 20 °C, sea level)	≤ 200 W @ 2 GHz

- Limitations are possible due to the used cable type -

Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel
Ferrule	Brass	Nickel

BNC Plug (Male) Straight Connector Centre Contact: Crimped or Soldered Attachment for RG188D, RD188, RG316D, RD316, K02252D, DC-6GHz VSWR1.22

BNC1C50-D316A / 133

Mechanical Data

Coupling Mechanisms	Bayonet-Lock
Mating Cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Centre Contact	Soldered or Crimped
Cable Entry	Crimped

Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture Resistance	MIL-STD-202, Method 106
RoHS	Compliant

Suitable Cables

RG188D, RD188, RG316D, RD316, K02252D

Weight

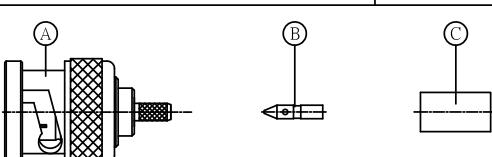
N/A

Packing

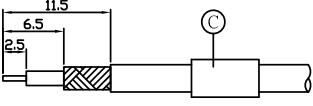
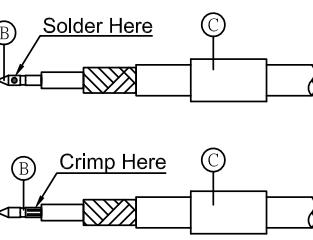
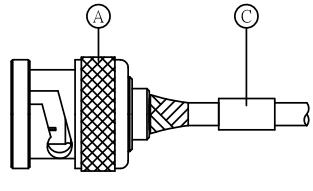
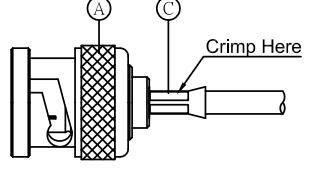
Single or 100

SMA Plug (Male) Right Angle Connector Crimp/Contact Pin Solder Attachment for RG55, RG142, RG223, RG400, RG141 DC-6GHz VSWR 1.20

BNC1C50-D316A / 133

Connector Type:	BNC1C50-D316A/133, BNC1C50-D316A/144	Inner Conductor Contact:	Soldered or Crimped
Suitable Cable:	RG-316D, RG-316DS, RD-316	Outer Conductor Contact:	Crimped
Parts List of Connector:  Crimped Ferrule HEX. Crimp Size: SW3.84 [1.151 HEX.] Crimped Contact SQ. Crimp Size: [0.028 SQ.]			

Assembly Steps:

Picture	Process	Attention/Check	Tools Required
	Push ferrule "C" over the cable. Prepare the cable according to the diagram.	Do not damage center contact, dielectric and braid.	Blade Scissor
	Solder or crimp center conductor according to the diagram.		Solder Iron Solder Wire Crimp Tool: CT-L3 Crimp Insert: CL33T1A
	Splay out braid and insert cable in connector body "A" until it to stop.	Ensure that braid lies above crimp neck.	
	Slide ferrule "C" over braid and crimp.		Crimp Tool: CT-L3 Crimp Insert: CL33T1A