

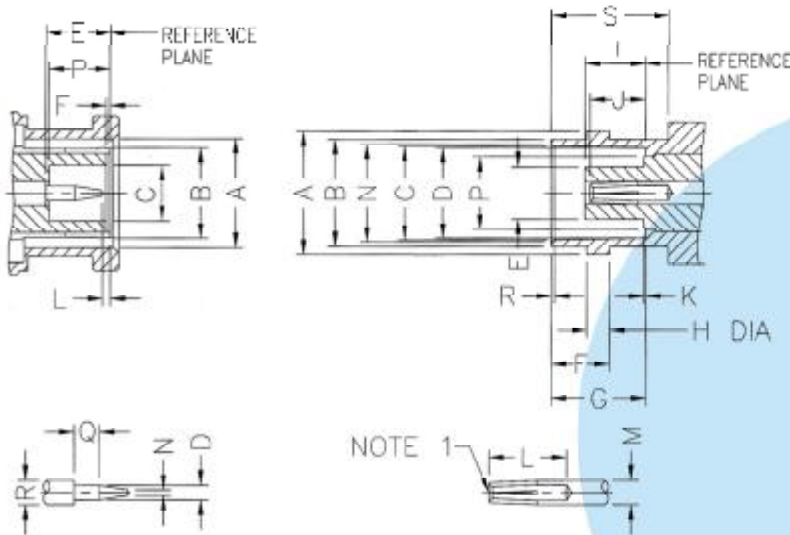
BNC Series

Songtech

BNC connectors are characterized by their 2-stud quick connect/disconnect bayonet coupling arrangement. They are one of the most popular of the coaxial connectors and are suitable for a wide range of systems, including Radio Telecommunication Systems, Medical Equipment, Computer Networks, and Test Instrumentation.

INTERFACE MATING DIMENSIONS

BNC



NOTE 1: I.D. TO MEET VSWR AND CONTACT RESISTANCE WHEN MATED WITH 1.32/1.37 MM DIA. PIN.

JACK		
Letter	Millimeters	
	Minimum	Maximum
A	9.78	9.91
	Flared To Meet Good Electrical Contact	
C	4.83	-
D	1.32	1.37
E	5.33	5.84
F	0.15	0.46
L	0.08	1.02
N	-	0.64
P	5.28	5.79
Q	1.98	-
R	2.06	2.21

JACK		
Letter	Millimeters	
	Minimum	Maximum
A	10.97	11.07
B	9.60	9.70
C	8.31	8.46
D	8.10	8.15
E	-	4.72
F	5.18	5.28
G	8.31	8.51
H	1.91	2.06
I	4.78	5.28
J	4.72	5.23
K	-	0.15
L	4.95	-
M	2.06	2.21
N	8.79	9.04
P	-	6.05
R	0.38	0.76
S	10.52	-



Specifications

Electrical		
Impedance	50 ohm	75 ohm
Frequency Range	0 - 4 GHz	0 - 1 GHz
Working Voltage	500 VRMS max.	500 VRMS max.
Dielectric Withstanding Voltage	1500 VRMS min.	1500 VRMS min.
VSWR	Straight	1.3 max
	Right Angle	1.5 max
Contact Resistance	Center Contact	3 Milliohms Max.
	Outer Contact	2 Milliohms Max.
Insulator Resistance	5000 Megohms min	5000 Megohms min

Material		
Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Nickel plated
Center Contacts	Plug: Brass per QQ-B-626	Gold or Silver per requirement
	Jack: Beryllium copper per QQ-C-530 or Phosphor Bronze per QQ-B-750 or Brass per QQ-B-626	Gold or Silver per requirement
Insulators	Teflon, Delrin, PBT polyester	None
Crimp Ferrules	Annealed copper	Nickel or Silver per requirement
Clamp Gaskets	Silicone rubber, Synthetic rubber	None

NOTE: Other Material/Finish is Available on Request.

Mechanical & Environmental	
Engagement Force	2.5 in-lbs. max. torque
Disengagement Force	3lbs. max. axial force
Coupling Nut Retention	100 lbs. min.
Contact Retention	6 lbs. min.
Durability(Mating)	500 cycles min.(for Beryllium copper Jack contact only)
Temperature Range	-65° C to 165° 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.