

The BNC series are bayonet coupling standard coaxial connectors, which developed and manufactured according to the specifications of MIL-C-39012 and IEC169-8. They have the characteristics of rapid engage and disengage, high reliability, etc., are used to connect RF coaxial cables in electrical equipment and instruments.

TECHNICAL CHARACTERISTICS

Environmental

Temperature range	-65~+165°C
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Electrical Characteristics

Characteristic impedance	50Ω, 75Ω
Working voltage	500V
Frequency range	0-4GHz
Dielectric withstanding voltage	1500V
Contact resistance	Center contact: ≤ 1.5mΩ, Outer contact: ≤ 1mΩ
Insulation resistance	≥ 5000MΩ
VSWR	≤ 1.30

Mechanical Characteristics

Durability	500 cycles
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TECHNICAL CHARACTERISTICS

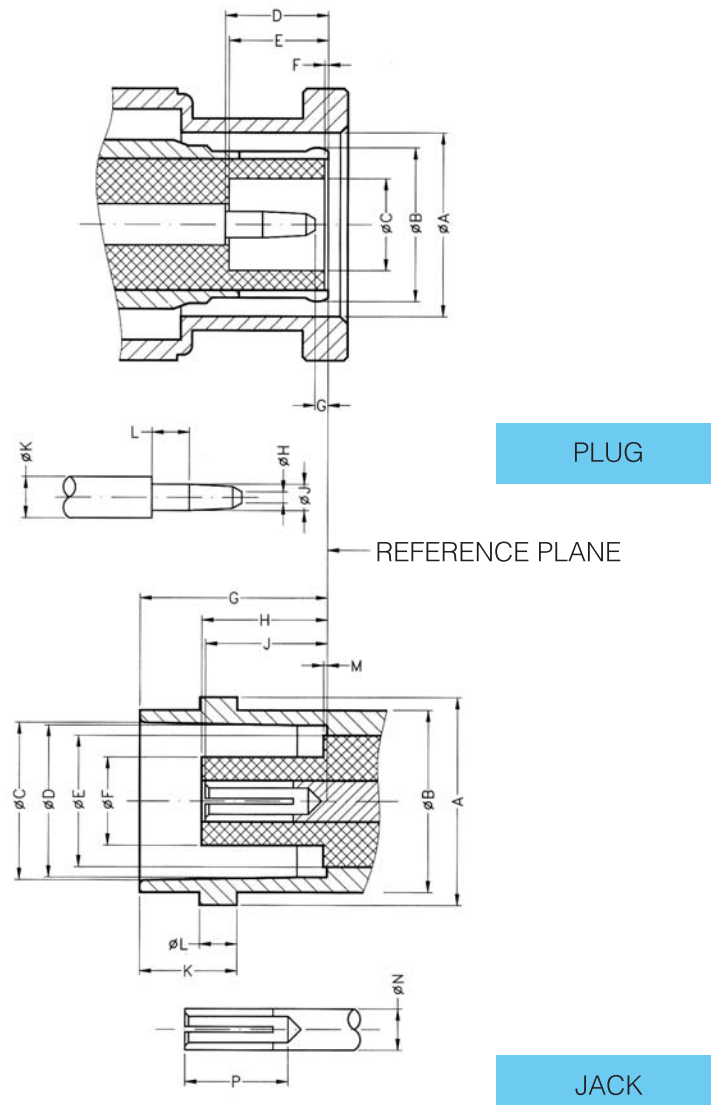
Material and Plating

Body	Brass,nickel plated
Male center contacts	Brass,gold plated
Female center contacts	Berylium copper or phosphor bronze,gold plated
Insulators	PTFE
Crimp ferrules	Copper alloy,nickel plated

INTERFACE MATING DIMENSIONS

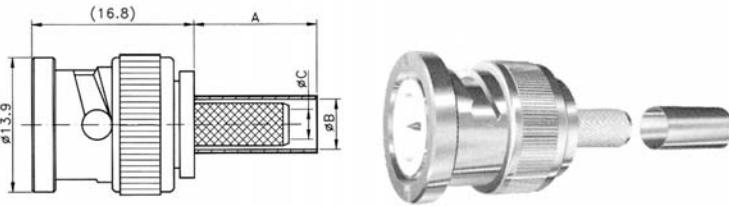
Letter	PLUG(mm)	
	Minimum	Maximum
A	9.78	9.91
B	-	-
C	4.83	-
D	5.33	5.84
E	5.28	5.79
F	0.15	0.46
G	0.08	1.02
H	-	0.64
J	1.32	1.37
K	2.06	2.21
L	1.98	-

Letter	JACK(mm)	
	Minimum	Maximum
A	10.97	11.07
B	9.60	9.70
C	8.31	8.46
D	8.10	8.15
E	-	6.50
F	-	4.72
G	8.31	8.51
H	4.78	5.28
J	4.72	5.23
K	5.18	5.28
L	1.91	2.06
M	-	0.15
N	2.06	2.21
P	4.95	-



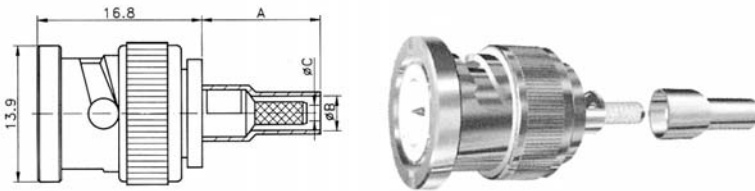
Flexible Cable Connectors

Straight Cable Plug, M01



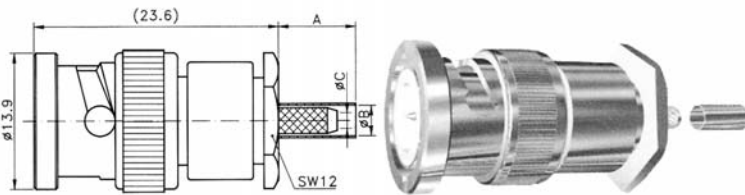
Part Number	Module	Cable Group	Remark
R51130	BNC-J2.5Y	2.6/50S	A=16.5 B=2.8 C=1.6
R51131	BNC-J3Y	3/50S	A=15.6 B=3.1 C=1.6
R51132	BNC-J4Y	4/50S	A=15.6 B=4.2 C=2.1
R51133	BNC-J5Y	5/50S	A=12.0 B=5.2 C=3.1
R51134	BNC-J223Y	5/50D	A=15.0 B=5.7 C=3.1
R51135	BNC-75J2.5Y	2.6/75S	A=16.5 B=2.8 C=1.6
R51136	BNC75J3Y	3/75S	A=15.6 B=3.4 C=1.6
R51137	BNC75J4Y	4/75S	A=15.6 B=4.2 C=2.1
R51138	BNC-75J5Y	5/75S	A=12.0 B=5.2 C=3.1
R51139	BNC75J59Y	6/75S	A=15.0 B=6.2 C=3.8

Straight Cable Plug , M03



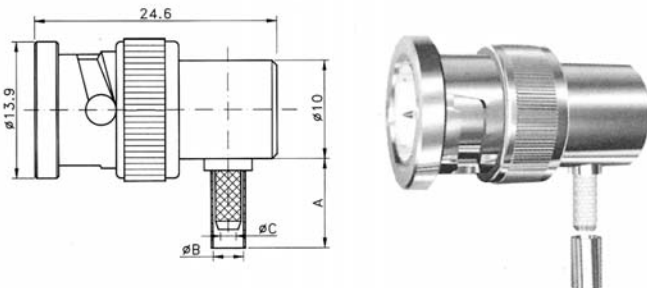
Part Number	Module	Cable Group	Remark
R51140	BNC-J2.5C	2.6/50S	A=16.5 B=2.8 C=1.6
R51141	BNC-J3C	3/50S	A=13.7 B=3.1 C=1.6
R51142	BNC-J4C	4/50S	A=16.2 B=4.2 C=2.1
R51143	BNC-J5C	5/50S	A=18.5 B=5.2 C=3.1
R51144	BNC-75J2C	2/75S	A=13.7 B=2.5 C=1.0
R51145	BNC-75J2.5C	2.6/75S	A=16.5 B=2.9 C=1.6
R51146	BNC-75J4C	4/75S	A=16.2 B=4.0 C=2.1
R51147	BNC-75J4D	4/75D	A=16.5 B=4.3 C=2.1

Straight Cable Plug, M01



Part Number	Module	Cable Group	Remark
R51148	BNC-75J2.5YA	2.6/75S	A=9.5 B=2.8 C=1.6
R51149	BNC-75J3YA	3/75S	A=9.5 B=3.1 C=1.6
R51150	BNC-75J4YA	4/75S	A=10.0 B=4.2 C=2.1
R51151	BNC-75J5YA	5/75S	A=12.0 B=5.2 C=3.1

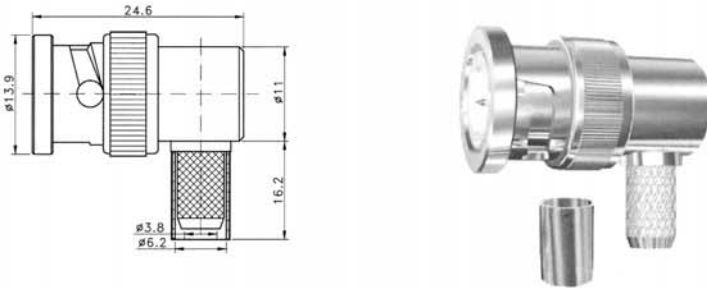
Right Angle Cable Plug, M04



Part Number	Module	Cable Group	Remark
R51280	BNC-JW2YA	2/50S	A=7.5 B=2.5 C=1.0
R51281	BNC-JW2.5YA	2.6/50S	A=9.5 B=2.8 C=1.6
R51282	BNC-JW2.5DYA	2.6/50D	A=9.5 B=3.4 C=1.6
R51283	BNC-JW3YA	3/50S	A=9.0 B=3.1 C=1.6
R51284	BNC-JW4YA	4/50S	A=10.0 B=4.2 C=2.1
R51285	BNC-JW5YA	5/50S	A=12.0 B=5.2 C=3.1
R51286	BNC-75JW2.5Y	2.6/75S	A=9.5 B=2.8 C=1.6
R51287	BNC-75JW3Y	3/75S	A=9.5 B=3.1 C=1.6
R51288	BNC-75JW4Y	4/75S	A=10.0 B=4.0 C=2.1
R51289	BNC-75JW5Y	5/75S	A=12.0 B=5.2 C=3.1

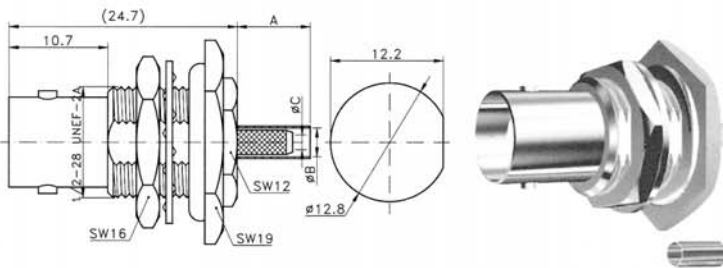
Flexible Cable Connectors

Right Angle Cable Plug, M04



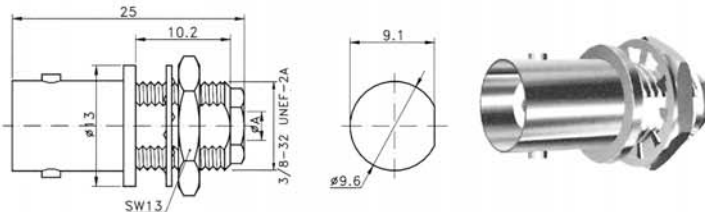
Part Number	Module	Cable Group	Remark
R51290	BNC-75JW59Y	6/75S	

Straight Bulkhead Cable Jack, M02



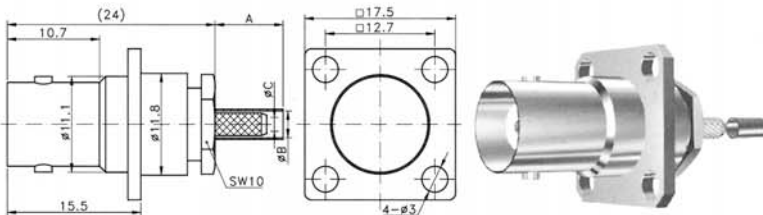
Part Number	Module	Cable Group	Remark
R51152	BNC-(E)KY2.5Y	2.6/50S	A=9.5 B=2.8 C=1.6
R51153	BNC-(E)KY2.5DY	2.6/50D	A=9.5 B=3.4 C=1.6
R51154	BNCKY3Y	3/50S	A=9.0 B=3.1 C=1.6
R51155	BNC-KY4Y	4/50S	A=10.0 B=4.2 C=2.1
R51156	BNC-KY5Y	5/50S	A=12.0 B=5.2 C=3.1
R51157	BNC-KY223Y	5/50D	A=15.0 B=5.7 B=3.1
R51158	BNC-75KY2Y	2/75S	A=6.9 B=2.5 C=1.0
R51159	BNC-75KY2.5Y	2.6/75S	A=9.5 B=2.8 C=1.6
R51160	BNC-75KY3Y	3/75S	A=9.5 B=3.1 C=1.6
R51161	BNC-75KY59Y	6/75S	A=15.0 B=6.2 C=3.8

Straight Bulkhead Cable Jack, Clamp



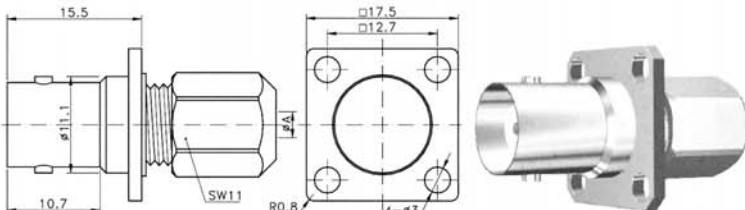
Part Number	Module	Cable Group	Remark
R51162	BNC-KY2.5	2.6/50S	A=2.7
R51163	BNC-KY3	3/50S	A=3.1

Straight Panel Cable Jack, M02



Part Number	Module	Cable Group	Remark
R51164	BNC-KF2.5Y	2.6/50S	A=9.5 B=2.8 C=1.6
R51165	BNC-KF2.5DY	2.6/50D	A=9.5 B=3.4 C=1.6
R51166	BNC-KF3Y	3/50S	A=9.0 B=3.1 C=1.6

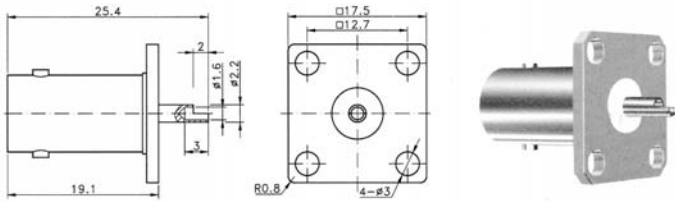
Straight Panel Cable Jack, M10



Part Number	Module	Cable Group	Remark
R51167	BNC-KF3	3/50S	A=3.0
R51168	BNC-KF4	4/50S	A=4.2
R51169	BNC-KF5	5/50S	A=5.3

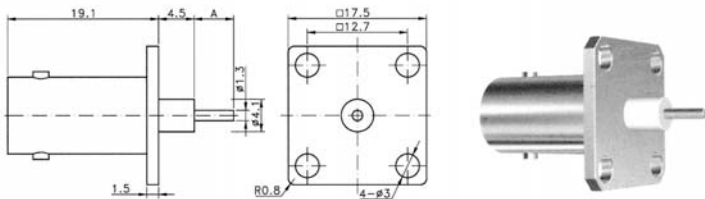
Flange Mount Receptacles

Straight Panel Jack Receptacle



Part Number	Module	Remark
R51170	BNC-KFD10	

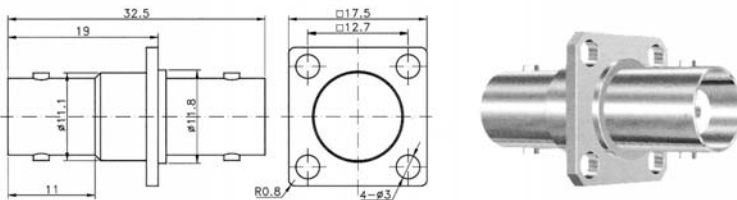
Straight Panel Jack Receptacle



Part Number	Module	Remark
R51171	47-583-006	A=6.9
R51172	47-583-007	A=5.0

In Series Adapters

Straight Panel Mount Jack To Jack



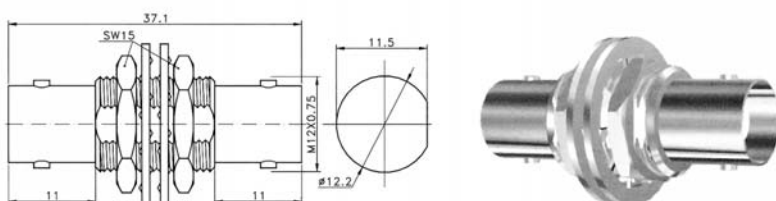
Part Number	Module	Remark
R51173	BNC-50KFK	

Straight Jack To Jack



Part Number	Module	Remark
R51174	BNC-50KK	

Straight Bulkhead Jack To Jack



Part Number	Module	Remark
R51175	BNC-75KKY	