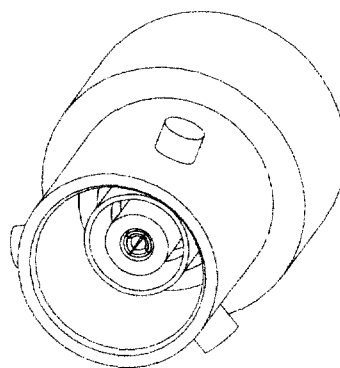


BNC Series

TRIAx

Bayonet Locking



Features

- Miniature
- Weatherproof
- Reduce noise levels
- Isolated ground
- Non-constant impedance

Options

- Small and Medium Sized Cables
- Two and Three lug versions available
- Straight, Right-Angle, Long Crimp, Short Crimp, Flange Mount, Single Hole Mount, Printed Circuit Board, Cap and Chain, Termination and Tee types available
- Adapters between two and three lug versions available

Specifications

- QQ-B-626
- MIL-STD-348
- MIL-STD-202
- QQ-C-530
- MIL-G-45204
- QQ-S-365
- ZZ-R-765

Mating Data

- RG-U Cables (See page 30-9)

Technical Data

Materials

- Body Parts Brass, QQ-B-626, 1/2 HD.
- Contacts
 - Male Brass QQ-B-626, 1/2 HD.
 - Female Beryllium copper QQ-C-530
Heat treated to condition HT
- Insulators PTFE Fluorocarbon
- Gaskets Rubber ZZ-R-765

Plating

All parts plated to meet finish and corrosion requirements of MIL-C-39012

- Finish
 - Gold MIL-G-45204
 - Nickel IP23
 - Silver QQ-S-365
 - Tri-Alloy P20

Electrical Performance

- Impedance Non-constant
- Insulation Resistance 5,000 MΩ Minimum

- Voltage Rating 400 VRMS working Voltage
- Contact Resistance
 - Outer contact 0.5 mΩ Maximum
 - Center contact 5.0 mΩ Maximum
 - Intermediate contact 0.5 mΩ Maximum

Mechanical Performance

- Force to Engage and Disengage
 - Longitudinal force 3 lbs Maximum
 - Torque 2 1/2 inch-lbs Maximum
- Coupling Nut Retention Force 100 lbs Minimum
- Connector Durability 500 cycles Minimum

Operating Environment

- Temperature range -65°C to +165°C
- Corrosion (salt spray) . MIL-STD-202, method 101, cond. B
- Moisture Resistance MIL-STD-202, method 106

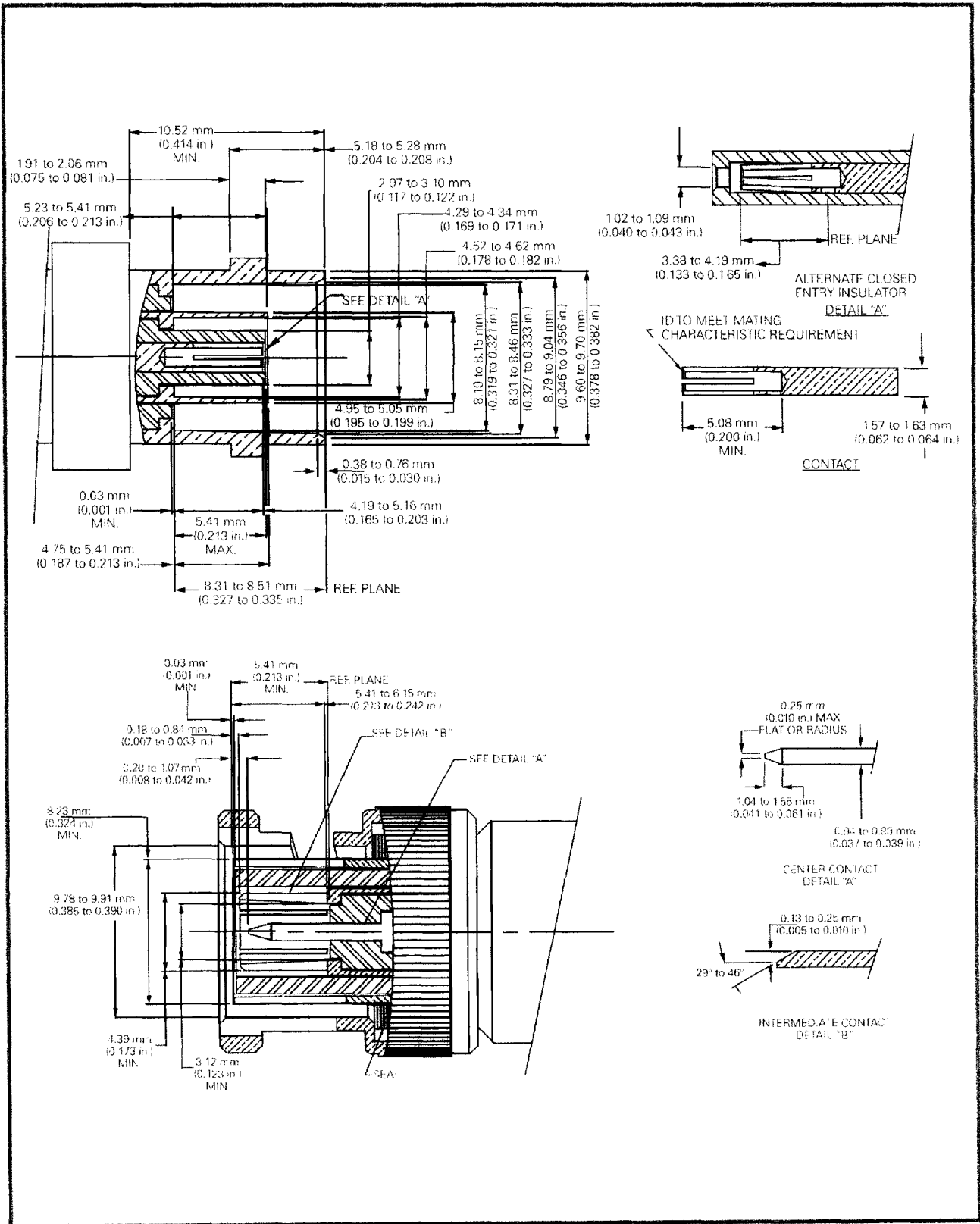
Packaging

- Single bags
- Custom packaging available upon request

Customer Support Materials

Description	Order No.	Description	Order No.
Customer Product Drawings.....	By Part Number	Product Samples.....	Upon Request
Product Substitutions	Contact Technical Support	Test Data	Upon Request

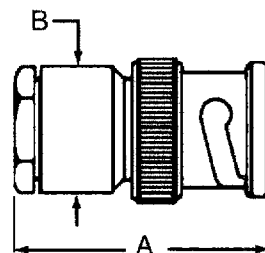
Interface Dimensions per MIL-STD-348



BNC TRIAX Cable Plugs

Description

BNC TRIAX Cable Plug - Straight Cut Straight



Ordering Data

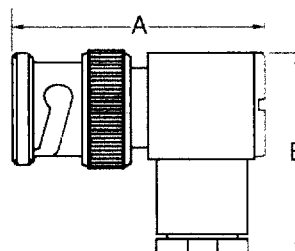
BNC TRIAX Cable Plug - Straight Cut Straight

Part Number	Triaxial Cable	Dimension				Finish	Assembly Instructions	Note
		A		B				
		mm	in.	mm	in.			
30P105-3	RG108A/U	35.72	1.406	12.70	0.500	Nickel	AI-90	
30P106-1	RG108A/U	35.72	1.406	12.70	0.500	Nickel	AI-90	3 Lugs
30P107-5	RG22, W.E. 754E	47.63	1.875	19.05	0.750	Nickel	AI-83	3 Lugs
30P132-1	RG307A/U	49.61	1.953	19.05	0.750	Nickel	AI-56	1
30P136-6	RG108, Belden 9272	35.72	1.406	12.70	0.500	Nickel	AI-77	3 Lugs
30P139-1	Times TRF59, Belden 8232	47.63	1.875	19.05	0.750	Nickel	A-116	3 Lugs

Note 1 - 3 Lugs & Clamp Cable Termination

Description

BNC TRIAX Cable Plug - Straight Cut Right-Angle



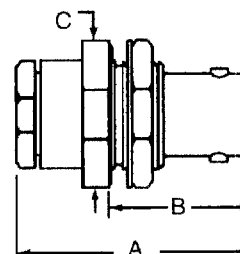
Ordering Data

BNC TRIAX Cable Plug - Straight Cut Right-Angle

Part Number	Triaxial Cable	Dimension				Finish	Assembly Instructions
		A		B			
		mm	in.	mm	in.		
30P120-1	RG108A/U	30.16	1.188	26.99	1.063	Nickel	AI-89
30P133-1	RG307A/U	48.42	1.906	33.34	1.313	Nickel	AI-56

Description

BNC TRIAX Cable Jack - Single Hole Mount Clamp Straight

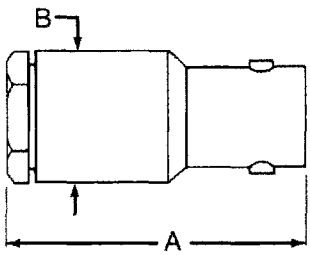


Ordering Data

BNC TRIAX Cable Jack - Single Hole Mount Clamp Straight

Part Number	Triaxial Cable	Dimension						Finish	Mtg. Hole	Assembly Instructions	Note
		A		B		C					
		mm	in.	mm	in.	mm	in.				
30JS128-1	RG307A/U	53.18	2.094	17.07	0.672	19.05	0.750	Nickel	D4	AI-56	3 Lugs

To obtain Assembly Instructions contact Berg Electronics at 1-800-237-2374 Ext.-2800

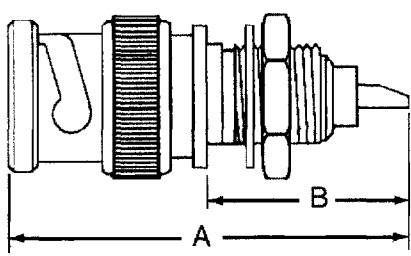


Description
BNC TRIAX Cable Jack - Straight Cut Straight

Ordering Data
BNC TRIAX Cable Jack - Straight Cut Straight

Part Number	Triaxial Cable	Dimension				Finish	Assembly Instructions	Note
		A		B				
		mm	in.	mm	in.			
30J100-1	RG108A/U	41.28	1.625	12.70	0.500	Nickel	AI-90	2 Lug

BNC TRIAX Receptacles



Description
BNC TRIAX Receptacle Plug - Single Hole Mount Solder Straight

Ordering Data
BNC TRIAX Receptacle Plug - Single Hole Mount Solder Straight

Part Number	Dimension				Finish	Mtg. Hole	Note
	A		B				
	mm	in.	mm	in.			
30PR100-1	32.54	1.281	15.88	0.625	Nickel	D5	3 Lug
30PR100-2	32.54	1.281	15.88	0.625	Nickel	D5	



Description
BNC TRIAX Receptacle Jack - Single Hole Mount Solder Straight

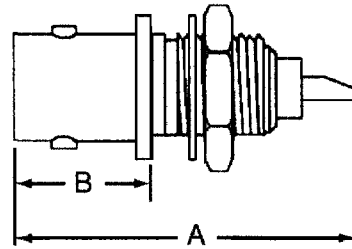
Ordering Data
BNC TRIAX Receptacle Jack - Single Hole Mount Solder Straight

Part Number	Dimension				Finish	Mtg. Plate
	A		B			
	mm	in.	mm	in.		
30JR120-1	32.94	1.297	21.03	0.828	Nickel	D4

To obtain Assembly Instructions contact Berg Electronics at 1-800-237-2374 Ext.-2800

**BNC TRIAX Series
Receptacle/Adapter**

Description
BNC TRIAX Receptacle Jack -
Single Hole Mount Solder Straight

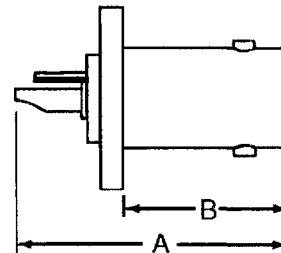


Ordering Data
BNC TRIAX Receptacle Jack - Single Hole Mount Solder Straight

Part Number	Dimension				Finish	Mtg. Hole	Note
	A		B				
	mm	in.	mm	in.			
30JR104-4	28.97	1.141	12.30	0.484	Nickel	D5	1
30JR106-3	32.94	1.297	12.30	0.484	Nickel	D3	1 & 2
30JR116-1	28.97	1.141	12.30	0.484	Nickel	D5	
30JR121-1	28.18	1.109	12.70	0.500	Nickel	D8	
30JR121-2	28.18	1.109	12.70	0.500	Nickel	D8	1
30JR122-1	32.94	1.297	12.30	0.484	Nickel	D3	2

Note 1 - 3 Lug
Note 2 - Isolated Ground

Description
BNC TRIAX Receptacle Jack -
Flange Mount Solder Straight

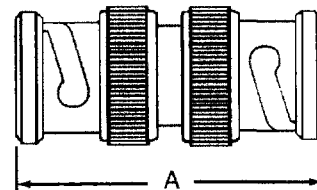


Ordering Data
BNC TRIAX Receptacle Jack - Flange Mount Solder Straight

Part Number	Dimension				Finish	Mtg. Plate	Note
	A		B				
	mm	in.	mm	in.			
30JR100-1	27.38	1.078	15.88	0.625	Silver	3B	
30JR101-3	31.35	1.234	15.88	0.625	Nickel	3B	3 Lug

BNC TRIAX Adapters

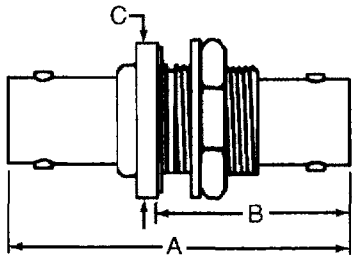
Description
BNC TRIAX Adapter - Straight



Ordering Data
BNC TRIAX Adapter - Straight

Part Number	Adapter Ends	Dimension A		Finish	Note
		mm	in.		
30A102-1	Plug-Plug	39.69	1.563	Nickel	3 Slot
30A102-2	Plug-Plug	39.69	1.563	Nickel	

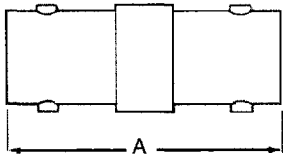
To obtain Assembly Instructions contact Berg Electronics at 1-800-237-2374 Ext.-2800



Description
BNC TRIAX Adapter - Single Hole Mount Straight

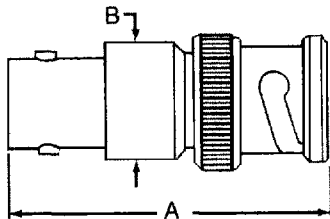
Ordering Data BNC TRIAX Adapter - Single Hole Mount Straight										
Part Number	Adapter Ends	Dimension						Finish	Mtg. Hole	Note
		A		B		C				
		mm	in.	mm	in.	mm	in.			
30AS102-3	Jack-Jack	34.53	1.359	22.23	0.875	19.05	0.750	Nickel	D3	1
30AS105-1	Jack-Jack	34.53	1.359	18.65	0.734	19.05	0.750	Silver	D4	
30AS105-3	Jack-Jack	34.53	1.359	18.65	0.734	19.05	0.750	Nickel	D4	

Note 1 - Isolated Ground



Description
BNC TRIAX Adapter - Straight

Ordering Data BNC TRIAX Adapter - Straight						
Part Number	Adapter Ends	Dimension A		Finish	Note	
		mm	in.			
30A101-2	Jack-Jack	34.53	1.359	Nickel		
30A101-3	Jack-Jack	34.53	1.359	Nickel	3 Lug	

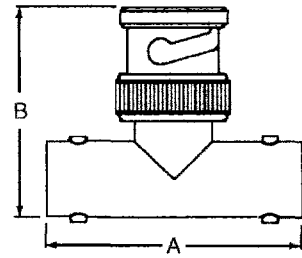


Description
BNC TRIAX Adapter - Straight

Ordering Data BNC TRIAX Adapter - Straight							
Part Number	Adapter Ends	Dimension				Finish	Note
		A		B			
		mm	in.	mm	in.		
30A103-3	Jack-Plug	34.53	1.359	12.70	0.500	Nickel	2 Lug & 3 Slot
30A103-4	Jack-Plug	34.53	1.359	12.70	0.500	Nickel	3 Lug & 2 Slot

BNC TRIAX Series
Adapter/Termination/Cap

Description
BNC TRIAX Adapter - Tee

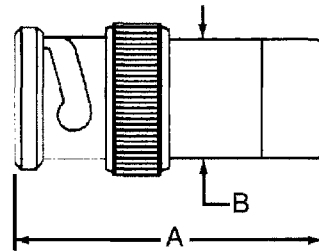


Ordering Data
BNC TRIAX Adapter - Tee

Part Number	Adapter Ends	Dimension				Finish	Note
		A		B			
		mm	in.	mm	in.		
30AT101-1	Jack-Plug-Jack	32.54	1.281	27.78	1.094	Silver	
30AT102-1	Jack-Plug-Jack	32.54	1.281	27.78	1.094	Nickel	3 Lug & 3 Slot

BNC TRIAX Termination

Description
BNC TRIAX Termination Plug - Straight

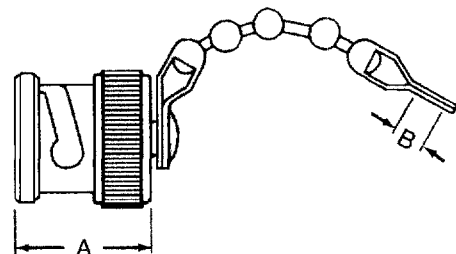


Ordering Data
BNC TRIAX Termination Plug - Straight

Part Number	Resistor		Dimension				Finish	Note
	Ohm	Watt	A		B			
			mm	in.	mm	in.		
30PO100-1	75	0.5	41.28	1.625	12.70	0.500	Nickel	3 Slot

BNC TRIAX Cap

Description
BNC TRIAX Cap Plug - Straight



Ordering Data
BNC TRIAX Cap Plug - Straight

Part Number	Dimension				Finish	Note	Chain Length	
	A		B				mm	in.
	mm	in.	mm	in.				
30PC103-1	15.08	0.594	3.66	0.144	Nickel	3 Slot	63.50	2.500