

BNC TRIAX SERIES



**SPECIALTY
CONNECTOR CO., INC.**

Triax systems were designed primarily to reduce noise levels in a system and to provide an isolated ground. The triax connectors are a non-constant impedance type. They have the appearance of a standard BNC but incorporate a third conductor. Certain of the fittings have three lug jacks and three slotted plugs to minimize rocking and loss of continuity that can occur with the two lug versions. The two lug and three lug versions do not intermate but adapters from one to the other are available.

MATERIALS: Brass per QQ-B-626 composition 22½ HD.
Beryllium copper per QQ-C-530 heat treated to condition HT.
Teflon per L-P-503
Rubber per ZZ-R-765

FINISHES: Silver plating per QQ-S-365
Gold plating per MIL-G-45204
Proprietary bright nickel (IP23)

ELECTRICAL SPECS: Impedance - non constant
Insulation resistance: 5000 Megohms
Voltage rating: 400 VRMS
Contact resistance: Center 5.0 MILLIOHMS max.
Intermediate .5 MILLIOHMS max.
Outer .5 MILLIOHMS max.

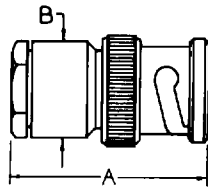
ENVIRONMENTAL: Temperature range: -65° to + 165°C
Salt spray test per MIL-STD-202 (Method 101)
Moisture resistance test per MIL-STD-202 (Method 106)

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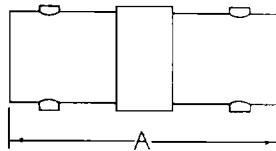
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BNC TRIAX PLUG



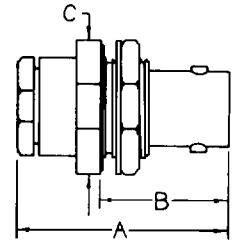
S/C Part No.	Triaxial Cable	Dimension		Engr. Data	Assy. Inst.
		A	B		
30P100-2	Coaxco 1102	1-27/64	1/2		AI-92
30P100-3	Coaxco 1102	1-27/64	1/2	3 Lug	AI-92
30P102-1	Essex 21-738	1-27/64	1/2		AI-15
30P102-2	Microdot 93-3930	1-27/64	1/2		AI-15
30P102-3	Microdot 93-3922	1-27/64	1/2		AI-15
30P102-4	Microdot 250-4070	1-27/64	1/2		AI-15
30P103-1	Essex 21-204	1-27/64	1/2		AI-15
30P103-3	21-204	1-27/64	1/2	3 Lug	AI-15
30P104-1	Essex 621-106	1-27/64	1/2		AI-15
30P105-3	RG108A/U	1-13/32	1/2	Straight Cut Style	AI-90
30P106-1	RG108A/U	1-13/32	1/2	Straight Cut Style - 3 Lug	AI-90
30P107-5	RG22 W.E. 754E	1-7/8	3/4	3 Lug	AI-83
30P109-1	Microdot 250-4070	1-15/16	1/2	Crimp Braid - 3 Lug	AI-16
30P109-2	Microdot 295-3996	1-15/16	1/2	Crimp Braid - 3 Lug	AI-16
30P112-1	Essex 21-527	1-61/64	3/4		
30P123-2	621-106 Belden 9222	1-27/64	1/2	3 Lug	AI-15
30P132-1	RG307A/U	1-61/64	3/4	3 Lug	AI-56
30P136-1	Times TRF58 621-106 Belden 9222	1-13/32	1/2	3 Lug - Straight Cut Style	AI-72
30P136-6	RG108 Belden 9272	1-13/32	1/2	3 Lug - Straight Cut Style	AI-77
30P139-1	Times TRF59 Belden 8232	1-7/8	3/4	3 Lug - Straight Cut Style	

BNC TRIAX ADAPTER — JACK-JACK



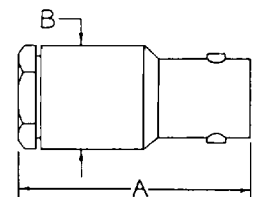
S/C Part No.	Dimension		Engr. Data
	A		
30A101-2	1-23/64		3 Lug
30A101-3	1-23/64		

BNC TRIAX JACK — SINGLE HOLE MOUNT



S/C Part No.	Triaxial Cable	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
		A	B	C			
30JS100-1	Essex 21-738	1-7/16	43/64	11/16	D4		AI-15
30JS100-2	Microdot 93-3930	1-7/16	43/64	11/16	D4		AI-15
30JS101-1	Essex 21-204	1-7/16	43/64	11/16	D4		
30JS101-4	21-204	1-7/16	43/64	11/16	D4	3 Lug	
30JS102-1	Essex 621-106	1-7/16	43/64	11/16	D4		AI-15
30JS108-1	Microdot 250-4070	1-7/16	43/64	11/16	D4	3 Lug	AI-15
30JS108-2	Microdot 295-3996	1-7/16	43/64	11/16	D4	3 Lug	AI-15
30JS123-3	21-738	1-7/16	23/32	11/16	D4	3 Lug	AI-15
30JS125-1	Coaxco 1102	1-7/16	43/64	11/16	D4	3 Lug	AI-92
30JS128-1	RG307A/U	2-3/32	43/64	3/4	D4	3 Lug	AI-56
30JS129-4	TRC75-1	1-7/16	7/8	3/4	D3	Isolated Grd. - 3 Lug	AI-72
30JS129-5	621-106 Belden 9222	1-7/16	7/8	3/4	D3	Isolated Grd. - 3 Lug	AI-72
30JS132-1	621-106 Belden 9222	1-7/16	43/64	11/16	D4	Str. Cut Style - 3 Lug	AI-72

BNC TRIAX JACK



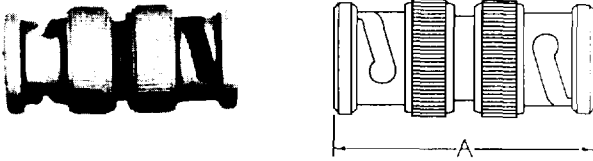
S/C Part No.	Triaxial Cable	Dimension		Engr. Data	Assy. Inst.
		A	B		
30J100-1	RG108A/U	1-5/8	1/2	Straight Cut Style	AI-90
30J101-1	RG108A/U	1-5/8	1/2	Straight Cut Style - 3 Lug	AI-90
30J102-2	Essex 21-738	1-7/16	9/16 HEX		AI-15
30J102-3	Coaxco 1102	1-7/16	9/16 HEX		AI-92
30J102-4	621-106 Belden 9222	1-7/16	9/16 HEX		AI-15
30J106-1	Essex 21-738	1-7/16	9/16 HEX	3 Lug	AI-15

BNC TRIAx SERIES



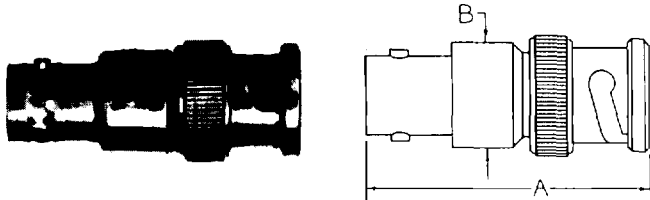
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BNC TRIAX ADAPTER — PLUG-PLUG



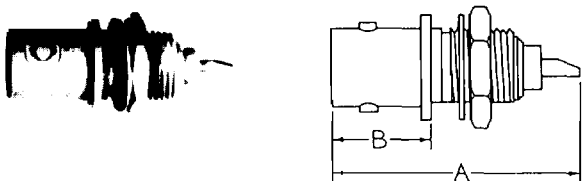
S/C Part No.	Dimension		Engr. Data
	A		
30A102-1	1-9 16		3 Lug
30A102-2	1-9 16		

BNC TRIAX ADAPTER — PLUG-JACK



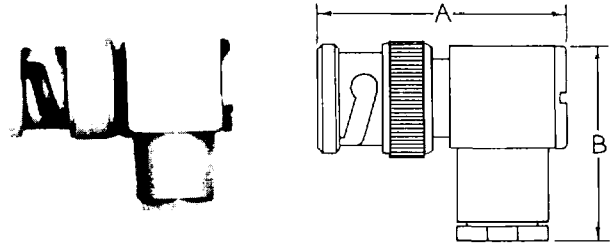
S/C Part No.	Dimension		Engr. Data
	A	B	
30A103-3	1-23 64	1 2	2 Lug Jack - 3 Lug Plug
30A103-4	1-23 64	1 2	3 Lug Jack - 2 Lug Plug

BNC TRIAX JACK RECEPTACLE — SINGLE HOLE MOUNT



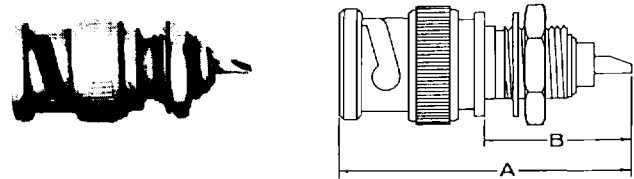
S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
30JR104-4	1-9 64	31 64	D5	3 Lug
30JR106-3	1-19 64	31 64	D3	Isolated Ground - 3 Lug
30JR116-1	1-9 64	31 64	D5	
30JR121-1	1-7 64	1 2	D8	
30JR121-2	1-7 64	1 2	D8	3 Lug
30JR122-1	1-19 64	31 64	D3	

BNC TRIAX PLUG — RIGHT ANGLE



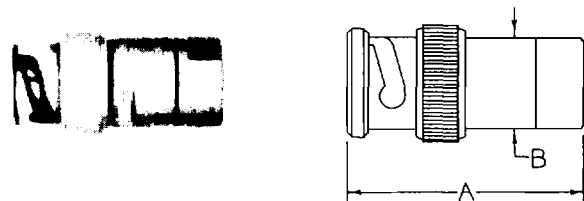
S/C Part No.	Triaxial Cable	Dimension		Engr. Data	Assy. Inst.
		A	B		
30P120-1	RG108A U	1-3 16	1-1 16	3 Lug	
30P127-1	Essex 21-738	1-11 64	1-1 32		AI-89
30P133-1	RG307A U	1-29 32	1-5 16	3 Lug	

BNC TRIAX PLUG RECEPTACLE



S/C Part No.	Dimension		Engr. Data
	A	B	
30PR100-1	1-9 32	5 8	3 Lug
30PR100-2	1-9 32	5 8	

BNC TRIAX PLUG — TERMINATION



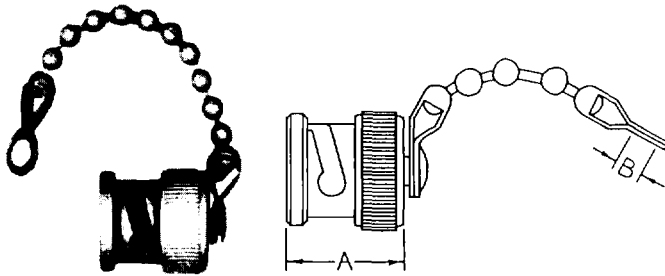
S/C Part No.	Resistor	Dimension		Engr. Data
		A	B	
30PO100-1	75 OHM 1/2 Watt	1-5 8	1 2	Terminates Cent. Cond. and Middle Shield - 3 Lug

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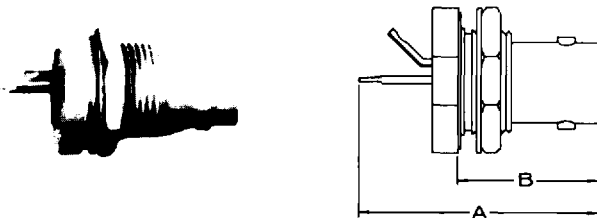
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BNC TRIAX PLUG — CAP



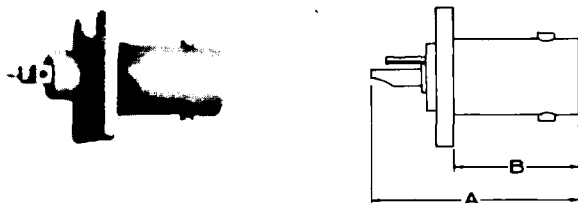
S/C Part No.	Dimension		Engr. Data
	A	B	
30PC103-1	19/32	.144	3 Lug

BNC TRIAX JACK RECEPTACLE — SINGLE HOLE MOUNT



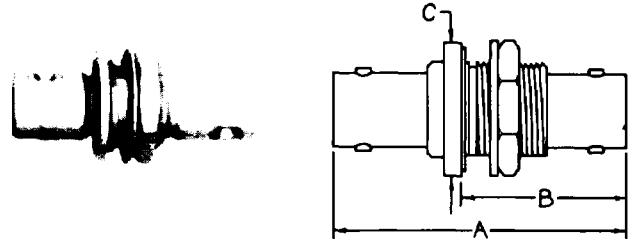
S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
30JR102-1	1-19/64	53/64	D4	Hermetically Sealed
30JR107-1	1-19/64	9/64	D4	Hermetically Sealed, Reverse Mount
30JR120-1	1-19/64	53/64	D4	

BNC TRIAX JACK RECEPTACLE — FLANGE MOUNT



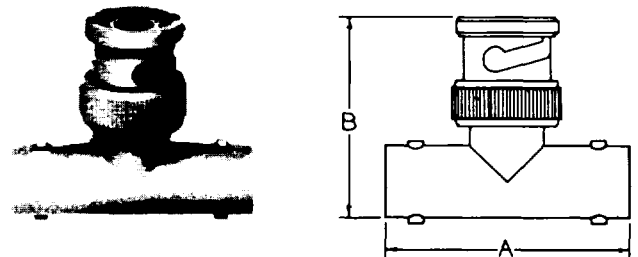
S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
30JR100-1	1-5/64	5/8	3B	
30JR101-3	1-15/64	5/8	3B	3Lug

BNC TRIAX ADAPTER STRAIGHT — SINGLE HOLE MOUNT



S/C Part No.	Adapter Ends	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
30AS102-3	Jack-Jack	1-23/64	7/8	3/4	D3	Isolated Grd. - 3 Lug
30AS103-1	Jack-Jack	1-25/64	47/64	11/16	D4	Herm. Sealed
30AS103-4	Jack-Jack	1-25/64	47/64	11/16	D4	Herm. Sealed - 3 Lug
30AS105-1	Jack-Jack	1-23/64	47/64	3/4	D4	
30AS105-3	Jack-Jack	1-23/64	47/64	3/4	D4	3Lug

BNC TRIAX ADAPTER TEE



S/C Part No.	Adapter Ends	Dimension		Engr. Data
		A	B	
30AT101-1	Jack-Plug-Jack	1-9/32	1-3/32	Cube Const.
30AT102-1	Jack-Plug-Jack	1-9/32	1-3/32	3 Lug