



RF Connector Design Guide

**New
1996
Edition**

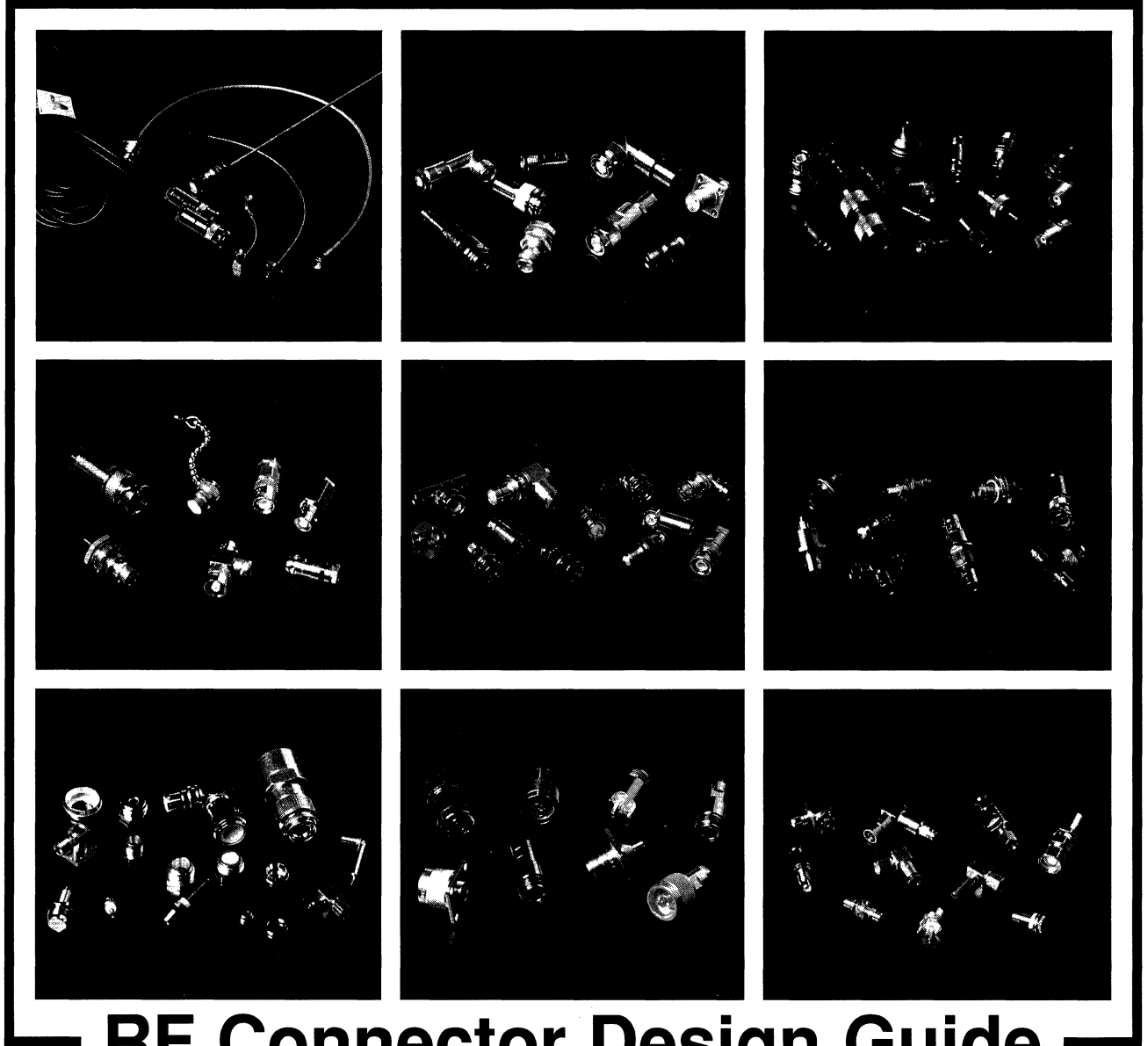
Berg's RF/Coaxial Division is a vertically integrated manufacturing facility located near Indianapolis, Indiana, USA. Considered a major supplier of high-quality RF connectors and other microwave components, Berg's role as a leading technology innovator provides immediate support for existing product designs, rapid design for new product requirements, and an ongoing development of future products utilizing the latest technologies.

With approximately 50,000 square feet of manufacturing space, Berg's RF/Coaxial Division maintains complete, state-of-the-art in-house tooling capabilities, brazing, and other specialized manufacturing equipment. In addition, the latest automatic CNC machines, automatic bar feeds, CAD/CAM, and bar coding processes ensure prompt response to meet our customers' delivery requirements.

Berg complies with the inspection system requirements of MIL-1-45208A and the calibration system requirements of MIL-STD-45662A to assure that both purchased and manufactured products meet the required high quality standards of our customers.

Berg Electronics, headquartered in St. Louis, MO, USA, is the fourth largest worldwide supplier of connector, socket and cable assembly products, with annualized sales of approximately \$700 million. Berg's broad range of products serve high-end data processing, personal computing, industrial, instrumentation, and all segments of telecommunications markets. Employing more than 4,700 people worldwide, its 18 manufacturing and research facilities are strategically located in the USA, the Netherlands, France, Japan, Taiwan, Singapore, China, Korea, Mexico, and India.





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25 = N Series	54
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34 = C Triax Series	69
36 = SC Series	Not Shown
37 = SMC Series	50
38 = MB Series	Not Shown
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47 = TNC Triax	36

- A = Adapter In Series
- AC = Adapter Cross
- AR = Adapter Right Angle
- AS = Adapter Single Hole Mount
- AT = Adapter Tee
- J = Jack
- JB = Junction Box
- JC = Jack Cap & Chain
- JF = Jack Flange Mount
- JJ = Jack Jack Adapter (Between Series Only)
- JL = Jack Receptacle Flange Mount Strip Line
- JP = Jack Plug Adapter (Between Series Only)
- JR = Jack Receptacle
- JS = Jack Single Hole Mount
- P = Plug
- PB = Plug Bindingpost
- PC = Plug Cap
- PO = Plug Termination
- PP = Plug Plug Adapter (Between Series Only)
- PR = Plug Receptacle
- TS = Termination Straight

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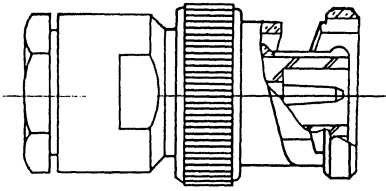
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29JJ103-1	90	29JP200-1	90	30JS128-1	21	32J102-1	47	33JR126-1	87
28JJ105-1	90	29JP203-1	90	30JS129-4	21	32J104-1	47	33JR135-1	87
29JJ116-1	90	29JP204-1	90	30JS129-5	21	32J105-1	47	33JR135-4	87
29JJ122-1	90	29JP207-1	90	30JS132-1	21	32J105-2	47	33JR159-1	87
29JJ123-1	90	29JP208-1	90	30P100-2	21	32JR104-1	48	33JR159-2	87
29JJ131-2	90	29JP210-1	90	30P100-3	21	32JR107-1	47	33JR167-1	87
29JJ133-2	90	29JP213-2	90	30P102-1	21	32JR109-1	48	33JR169-1	87
29JJ134-1	90	29JP218-1	90	30P102-2	21	32JR110-1	48	33JR170-1	87

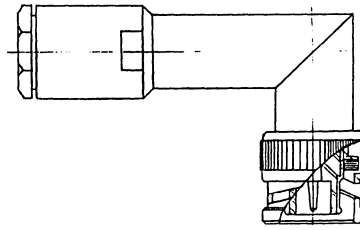
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34JR102-1	70	39P113-2	40
34JS100-1	70	39P115-1	40
34JS100-2	70	39P116-1	40
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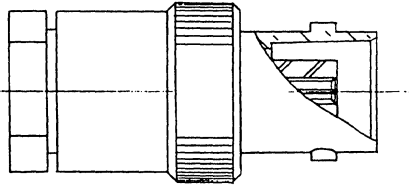
CONNECTOR NOMENCLATURE



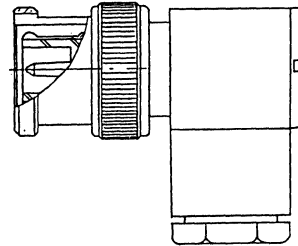
CABLE PLUG



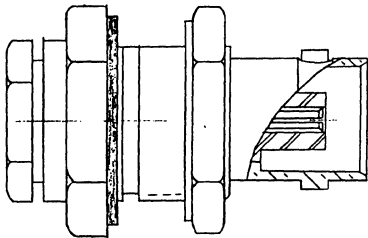
**CABLE PLUG
RIGHT ANGLE**



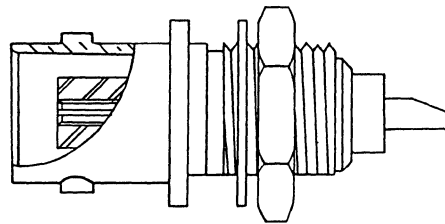
CABLE JACK



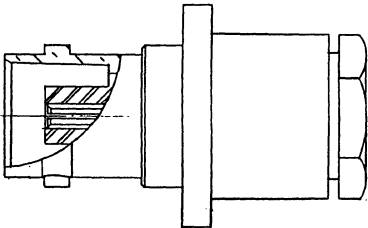
**CABLE PLUG
RIGHT ANGLE
WITH
ACCESS CAP**



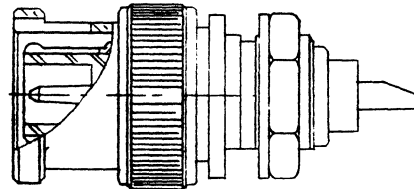
**SINGLE HOLE
MOUNT
CABLE JACK**



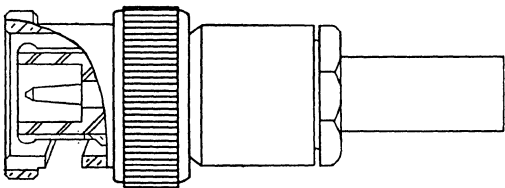
**SINGLE HOLE
MOUNT
JACK
RECEPTACLE**



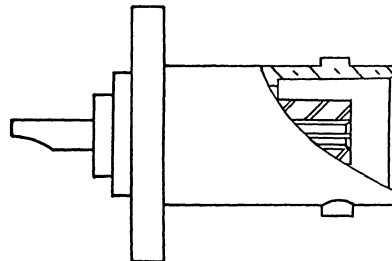
**FLANGE MOUNT
CABLE JACK**



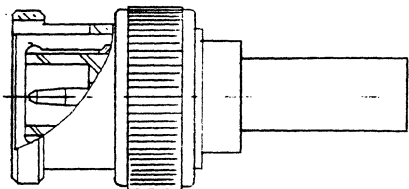
**SINGLE HOLE
MOUNT
PLUG
RECEPTACLE**



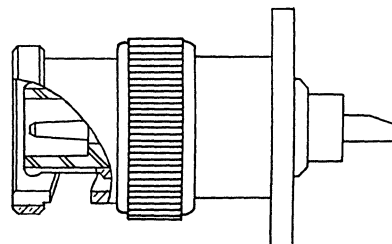
**CABLE PLUG
LONG CRIMP**



**FLANGE MOUNT
JACK
RECEPTACLE**

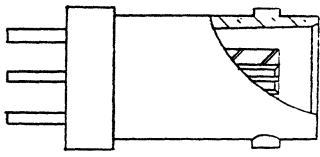


**CABLE PLUG
SHORT CRIMP**

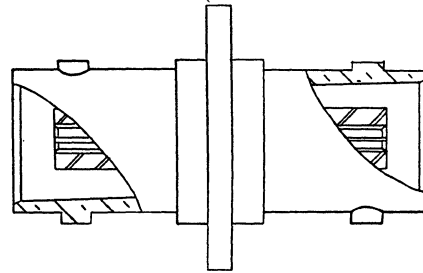


**FLANGE MOUNT
PLUG
RECEPTACLE**

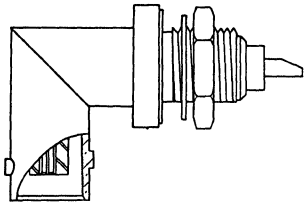
CONNECTOR NOMENCLATURE



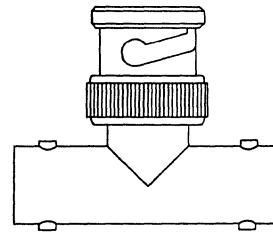
**PRINTED CIRCUIT
BOARD MOUNT
JACK
RECEPTACLE**



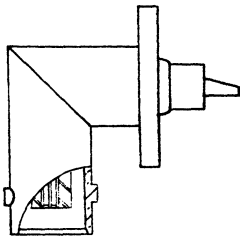
**FLANGE MOUNT
ADAPTER JACK
TO JACK**



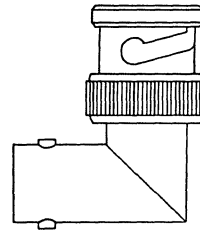
**RIGHT ANGLE
SINGLE HOLE
MOUNT
JACK
RECEPTACLE**



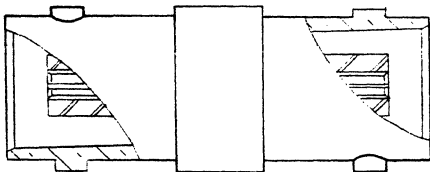
TEE ADAPTER



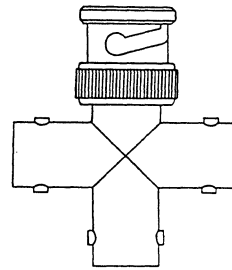
**RIGHT ANGLE
FLANGE MOUNT
JACK
RECEPTACLE**



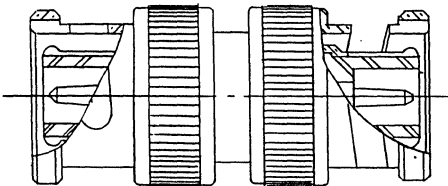
**RIGHT ANGLE
ADAPTER**



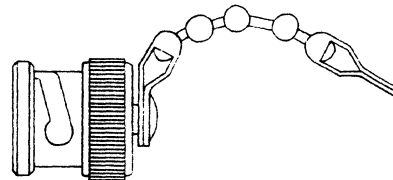
**STRAIGHT
ADAPTER
JACK TO JACK**



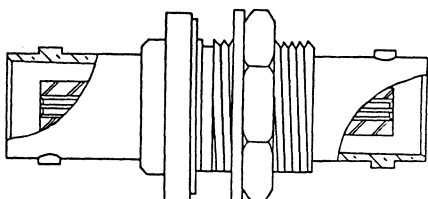
**CROSS
ADAPTER**



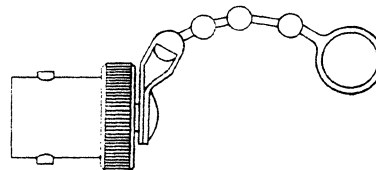
**STRAIGHT
ADAPTER
PLUG TO PLUG**



**PLUG CAP
WITH CHAIN**

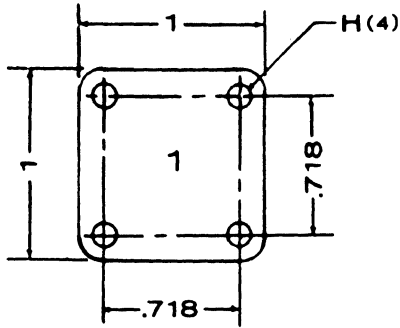


**SINGLE HOLE
MOUNT
ADAPTER JACK
TO JACK**

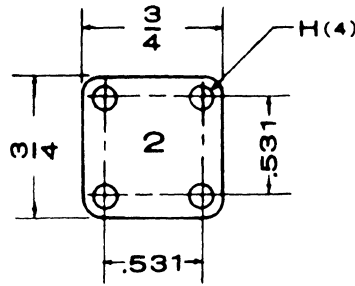


**JACK CAP
WITH CHAIN**

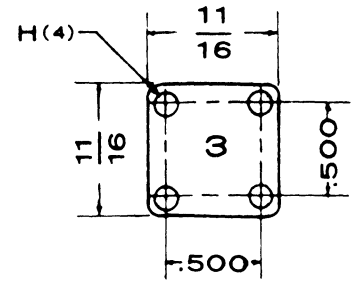
MOUNTING INFORMATION



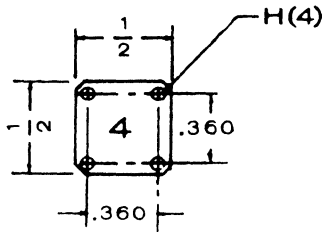
1-	H	PLATE TH'KN'S.
A	.125 DIA.	.080
B	6-32 TAP	.080
C	.156 DIA.	.080



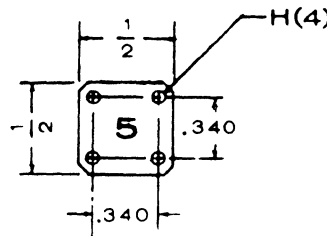
2-	H	PLATE TH'KN'S.
A	.125 DIA.	.050
B	.136 DIA.	.050
C	.125 DIA.	.090



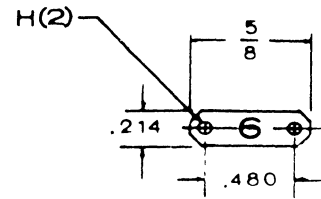
3-	H	PLATE TH'KN'S.
A	3-56 TAP	.090
B	.125 DIA.	.090
C	.109 DIA.	.090



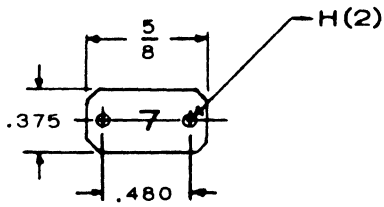
4-	H	PLATE TH'KN'S.
A	.089 DIA.	.065



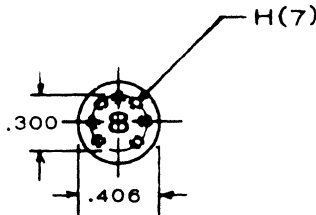
5-	H	PLATE TH'KN'S.
A	.102 DIA.	.065



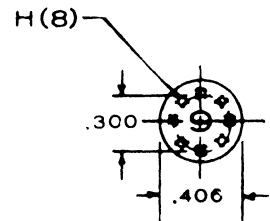
6-	H	PLATE TH'KN'S.
A	.102 DIA.	.065



7-	H	PLATE TH'KN'S.
A	.102 DIA.	.062

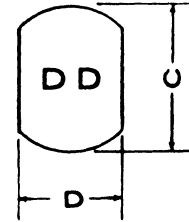
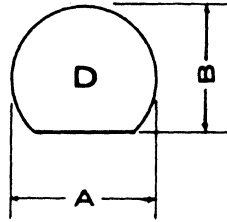
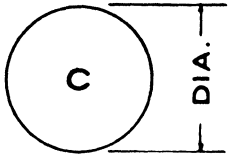


8-	H	PLATE TH'KN'S.
A	0-80 TAP	.085



9-	H	PLATE TH'KN'S.
A	0-80 TAP	.085

MOUNTING INFORMATION



C-	DIA.
1	.442
2	.380
3	.317
4	.296
5	.156
6	.170
7	.249
8	.251
9	.505

D-	A	B
1	.817	.784
2	.755	.721
3	.630	.595
4	.505	.473
5	.442	.411
6	.437	.405
7	.405	.361
8	.380	.348
9	.317	.285
10	.532	.528
11	.552	.528
12	.195	.180
13	.281	.265
14	.255	.240

DD-	C	D
1	.630	.537
2	.380	.338
3	.380	.317
4	.505	.441

UG CROSS REFERENCE

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UG-23D/U	25J103-1	56
UG-23F/U	25J102-1	56
UG-27B/U	25AR101-1	58
UG-27C/U	25AR102-1	58
UG-27D/U	25AR102-1	58
UG-28A/U	25AT100-1	59
UG-29B/U	25A101-1	59
UG-30D/U	25AS100-1	59
UG-30E/U	25AS102-1	59
UG-57B/U	25A100-1	59
UG-58A/U	25JR109-1	58
UG-83B/U	29JP110-1	90
UG-88/U	28P129-1	7
UG-88B/U	28P153-1	7
UG-88C/U	28P104-1	7
UG-89/U	28J114-1	11
UG-89C/U	28J110-1	11
UG-91A/U	25P176-1	62
UG-107B/U	25AT101-1	58
UG-146A/U	29JP210-1	90
UG-160D/U	25JS110-1	56
UG-160E/U	25JS107-1	56
UG-185/U	28JR107-1	13
UG-201A/U	29JP104-1	90
UG-255A/U	29JP108-1	90
UG-255/U	29JP101-1	90
UG-260/U	28P103-1	7
UG-260A/U	28P145-1	7
UG-260C/U	28P147-3	7
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UG-261/U	28J126-1	11
UG-261C/U	28J111-1	11
UG-262C/U	28JF105-1	12
UG-273/U	29JP100-1	90
UG-274/U	28AT102-1	14
UG274A/U	28AT105-1	14
UG-274B/U	28AT101-1	14
UG-290/U	28JR171-1	13
UG-290A/U	28JR100-1	13
UG-291/U	28JF108-1	12
UG-291B/U	28JR104-1	12
UG-291C/U	28JR103-1	12
UG-306/U	28AR101-1	9
UG-306B/U	28AR100-1	9
UG-309/U	29JP111-1	90
UG-318/U	29PP127-1	90
UG-349B/U	29JP119-1	90

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UG-447/U	28JR109-1	13
UG-491B/U	28A101-1	9
UG-492D/U	28AS101-1	12
UG-492A/U	28AS104-1	12
UG-535/U	28JR104-1	12
UG-536/U	25P114-1	55
UG-536B/U	25P121-1	55
UG-556B/U	25JS104-1	56
UG-556C/U	25JS118-1	56
UG-565A/U	29JP105-1	90
UG-566A/U	27AT100-1	67
UG-567A/U	27AR100-1	67
UG-568/U	27JR104-1	67
UG-569/U	27JR103-1	66
UG-570/U	27JS102-1	66
UG-571/U	29JF100-1	66
UG-572/U	27J101-1	65
UG-573B/U	27P100-1	65
UG-594B/U	25P127-1	55
UG-604/U	28JR195-1	13
UG-625/U	28JR121-1	13
UG-625B/U	28JR105-1	13
UG-625C/U	28JR232-1	13
UG-629/U	27JF101-1	66
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UG-643/U	27A101-1	68
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UG-657A/U	28JR182-1	13
UG-680A/U	25JR129-1	57
UG-702/U	29JP207-1	90
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UG-706A/U	27JR101-1	66
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UG-909A/U	28JS128-1	11
UG-909B/U	28JS117-1	11
UG-910/U	28JS119-3	11
UG-910A/U	28JS119-1	11
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UG-912/U	28JR142-1	13
UG-912A/U	28JR117-1	13
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UG-961A/U	22JF102-1	28
UG-997A/U	22JR117-1	59
UG-1016A/U	25J100-1	28
UG-1050/U	33PR101-1	88
UG-1050A/U	33PR117-1	88
UG1051/U	33JR103-1	88
UG-1052/U	25JF112-1	56
UG-1090/U	28PB100-1	14
UG-1094/U	28JR124-1	13
UG-1094A/U	28JR102-1	13
UG-1095B/U	25JF101-1	56
UG-1098/U	28JR136-1	12
UG-1098A/U	28JR101-1	12
UG-1104A/U	28PR100-1	9
UG-1107/U	29PP124-2	90
UG-1108/U	29JP183-1	90
UG-1138A/U	27AS100-1	67
UG-1364/U	23JS103-1	72
UG-1365/U	23JR103-2	72
UG-1366/U	23P104-1	72
UG-1367/U	23AS101-1	73
UG-1368/U	29JJ143-1	90
UG-1412/U	23P105-1	72
UG-1413/U	23JS104-1	72
UG-1415/U	23J101-1	72
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UG-1465/U	37P102-1	51
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CW-150/U	28PC102-1	8
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MX-554/U	28PO101-1	9
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MX-1143A/U	27JC100-1	68
MX-1530/U	28TS100-1	12
MX-1530A/U	28TS105-1	12
MX-1674/U	28TS101-1	12
MX-1684A/U	28TS102-1	12

BNC SERIES

The BNC series are small, lightweight, weatherproof bayonet locking connectors for use on small and medium size cables. This series is very popular and well established with many styles and variations available. They are made to MIL-C-39012 although many older style designs are still available and are used. They are generally used for applications below 4 GHz.

MATERIALS:

Body Parts: Brass per QQ-B-626, 1/2 HD.
 Contacts: Male: Brass
 Female: Beryllium copper per QQ-C-530
 Insulators: TFE Fluorocarbon per L-P-403
 Gaskets: Silicone rubber pre ZZ-R-765

FINISH:

All parts plated to meet finish and corrosion requirements of MIL-C-39012.
 Gold plating per MIL-G-45204.
 Proprietary bright nickel (IP23).
 Silver plating per QQ-S-365.

MECHANICAL:

Force to Engage and Disengage:
 Longitudinal force 3 lbs. max.
 Torque 2 1/2 in. — lbs. max.
 Coupling nut Retention force: 100 lb. min.
 Connector Durability: 500 cycles min.

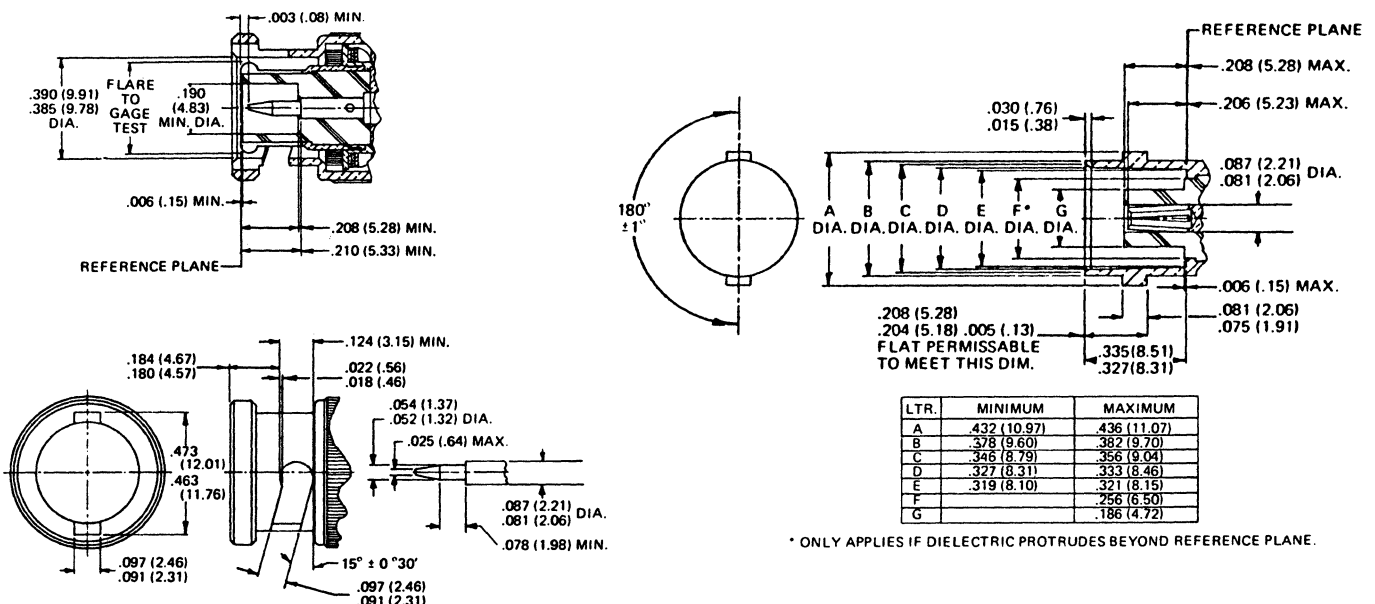
ELECTRICAL:

Impedance: 50 ohms Nominal
 Frequency: D.C. to 4 GHz
 Insulation Resistance: 5000 MEGOHMS Min.
 Voltage rating: 500 VRMS working Voltage
 Dielectric Withstanding: 1,500 VRMS at sea level
 R.F. Leakage: — (60—F GHz) dB max.
 R.F. High Potential Withstanding Voltage:
 1000 VRMS at 5 MHz
 Voltage Standing Wave ratio (VSWR):
 1.30 Max. to 4 GHz
 Insertion Loss: $0.1 \sqrt{FGHZ}$ dB max.
 Contact Resistance:
 Outer contact: .2 Milliohms max.
 Center contact: 1.5 Milliohms max.

ENVIRONMENTAL:

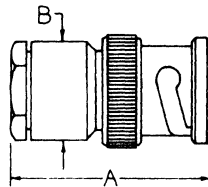
Temperature rating: — 65°C to + 165°C
 Vibration: MIL-STD-202, method 204, cond D.
 Shock: MIL-STD-202, method 213, cond. G
 Thermal shock: MIL-STD-202, method 107, cond. B
 (— 65°C to + 115°C)
 Corrosion (salt spray): MIL-STD-202, method 101,
 cond. B
 Moisture Resistance: MIL-STD-202, method 106

INTERFACE DIMENSIONS PER MIL-C-39012



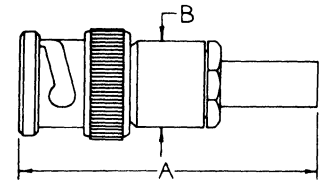
BNC SERIES

BNC PLUG — STRAIGHT



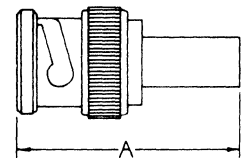
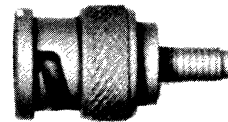
S/C Part No.	UG-U No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
			A	B		
28P102-1		58	1-1/16	1/2	Straight Cut Style Hardware	AI-12
28P102-2		59	1-1/16	1/2	Straight Cut Style Hardware	AI-12
28P102-3		174	1-1/16	1/2	Straight Cut Style Hardware	AI-12
28P102-4		233	1-1/16	1/2	Straight Cut Style Hardware	AI-12
28P102-7		122	1-1/16	1/2	Straight Cut Style Hardware	AI-12
28P102-18		302	1-1/16	1/2	Straight Cut Hardware	AI-12
28P102-19		180,195	1-1/16	1/2	Straight Cut Hardware	AI-12
28P103-1	UG-260/U	59,62,71	63/64	7/16	Unimproved Hdwe. Rexolite Ins.	
28P104-1	UG-88C/U	55,58,141,142,223	1-3/64	1/2	Improved Hdwe. W/O Washer	AI-14
28P108-1		.141 OD SR	1-3/64	1/2	Plug-in, Semi-Rigid Cable	AI-21
28P108-2		.085 OD SR	1-3/64	1/2	Plug-in, Semi-Rigid Cable	AI-21
28P108-3		.250 OD SR	1-3/64	1/2	Plug-in, Semi-Rigid Cable	AI-21
28P108-4		.215 OD SR	1-3/64	1/2	Plug-in, Semi-Rigid Cable	AI-21
28P109-1		55,58,141,142,223	1-3/64	1/2	Captive Contact Improved Hdwe. W/O Washer	AI-20
28P109-2		59,62,71,210	1-3/64	1/2	Captive Contact Improved Hdwe. W/O Washer	AI-20
28P113-1		174,179A,187,188	1-3/64	1/2	Improved Hdwe. W/O Washer	AI-14
28P113-2		180,195	1-3/64	1/2	Improved Hdwe. W/O Washer	AI-14
28P113-3		179	1-3/64	1/2	Improved Hdwe. W/O Washer	AI-14
28P114-1		178,196	1-3/64	1/2	Improved Hdwe. W/O Washer	AI-14
28P129-1	UG-88/U	55,58	63/64	7/16	Unimproved Hdwe.	
28P135-1	UG-959A/U	8,9,213,214	1-5/8	3/4	Improved Hdwe.	AI-87
28P136-1	UG-88E/U	58,59,141,142,223	1-3/64	1/2	Improved Hdwe.	AI-14
28P145-1	UG-260A/U	59,62,71	63/64	7/16	Not Weatherproof, Rexolite Ins.	
28P146-1		174,179A,187,188	63/64	7/16	Unimproved Hdwe. Rexolite Ins.	
28P146-2		180,195	63/64	7/16	Unimproved Hdwe. Rexolite Ins.	
28P146-3		179	63/64	7/16	Unimproved Hdwe. Rexolite Ins.	
28P147-1	UG-260D/U	59,62,71	1-3/64	1/2	Improved Hdwe.	AI-14
28P147-3	UG-260C/U					
28P153-1	UG-88B/U	55,58	63/64	7/16	Not Weatherproof	
28P154-1		58	1-1/16	1/2	Straight Cut Style-Crimp Contact	
28P206-1		.141 O.D. S.R.	51/64	—	Solder on Style	AI-27
28P225-1		178,196	1-1/16	1/2	Straight Cut Hardware	AI-55
28P226-4		8,213	1-9/16	3/4	Straight Cut Hardware	AI-81
28P226-6		9,214	1-9/16	3/4	Straight Cut Hardware	AI-81
28P226-7		Belden 8214	1-9/16	3/4	Straight Cut Hardware	AI-81
28P248-1		Belden 8281	1-1/16	9/16	Straight Cut Hardware	AI-12
28P254-1		.141 O.D. S.R.	1-3/64	1/2	Solder on Bushing	
28P265-1		58,223	1-5/64	1/2	M39012/16-0101	AI-20
28P265-2		59,62	1-5/64	1/2	M39012/16-0102	AI-20
28P265-3		122	1-5/64	1/2	M39012/16-0103	AI-20
28P265-4		303	1-5/64	1/2	M39012/16-0111	AI-20
28P265-5		302	1-5/64	1/2	M39012/16-0118	AI-20

BNC PLUG — STRAIGHT — LONG CRIMP



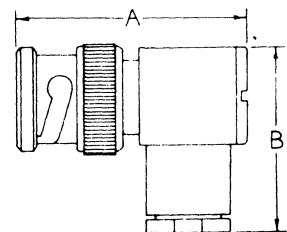
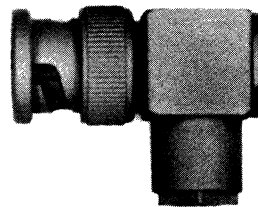
S/C Part No.	Cable RG-U	Crimp Tool	Dimension		Engr. Data	Assy. Inst.
			A	B		
28P106-1	58,141	.213 HEX	1 1/2	7/16	Captive Contact	AI-37
28P106-2	59,62,140	.255 HEX	1 1/2	7/16	Captive Contact	AI-37
28P106-3	55,142,223	.213 HEX	1 1/2	7/16	Captive Contact	AI-37
28P106-4	71	.268 HEX	1 1/2	7/16	Captive Contact	AI-37
28P106-5	122,180,195	.178 HEX	1 1/2	7/16	Captive Contact	AI-37
28P106-7	178,196	.105 HEX	1 1/2	7/16	Captive Contact	AI-37
28P106-11	174,179,316	.128 HEX	1 1/2	7/16	Captive Contact	AI-37
28P115-1	Amphenol 621-111	.384 HEX	1 17/32	1/2	Captive Contact	
28P213-3	58,141	.213 HEX	1 27/32	9/16	Booted Captive Contact	

BNC PLUG — STRAIGHT — SHORT CRIMP



S/C Part No.	Cable RG-U	Crimp Tool	Dimension	Engr. Data	Assy. Inst.
			A		
28P107-1	58,141	.213 HEX	1-11/64		AI-26
28P107-2	59,62,140	.255 HEX	1-11/64		AI-26
28P107-3	55,142,223	.213 HEX	1-11/64		AI-26
28P107-5	122,180,195	.178 HEX	1-11/64		AI-26
28P184-1	174	.178 HEX	1-11/64		
28P200-1	55,223	.212 HEX .255 HEX	1-25/64	Crimp Braid Crimp Jacket	
28P270-6	58,303	.213 HEX	1-1/8	Crimp Captive Contact	
28P270-8	59	.255 HEX	1-1/8	Crimp Captive Contact	
28P270-10	55,223,400	.213 HEX	1-1/8	Crimp Captive Contact	
28P278-1	8,213	.429 HEX	1-11/16	Crimp Captive Contact	
28P278-2	9,214	.429 HEX	1-11/16	Crimp Captive Contact	

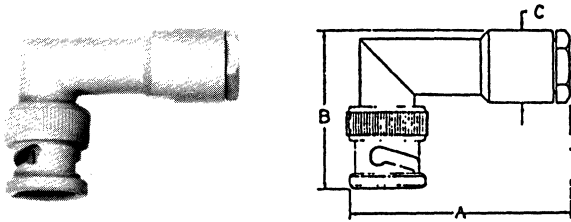
BNC RIGHT ANGLE



S/C Part No.	UG-U No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
			A	B		
28P143-1		55,58	1-3/16	15/16	Unimproved Hdwe.	
28P143-2		59,62,71	1-3/16	15/16	Unimproved Hdwe.	
28P143-4		187,188	1-3/16	15/16	Unimproved Hdwe.	
28P234-1		180,195	1-3/16	63/64	Straight Cut Style	AI-46
28P234-2		59,62	1-3/16	63/64	Straight Cut Style	AI-46
28P242-1		58,223	1-3/16	1	Improved Hdwe.	

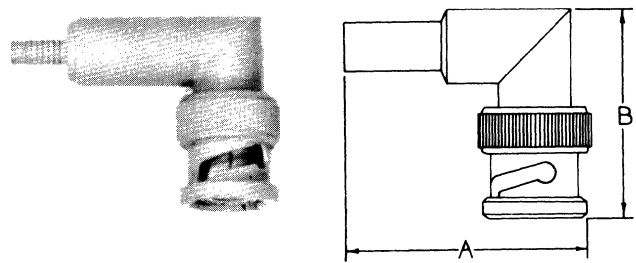
BNC SERIES

BNC RIGHT ANGLE



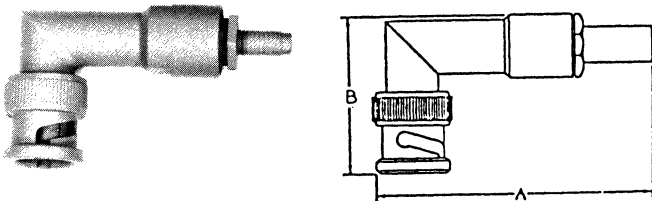
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension			Engr. Data	Assy. Inst.
			A	B	C		
28P100-1	UG-913A/U	55,58,141 142,223	1-9/16	1-3/32	1/2	Improved Hdwe.	AI-14
28P100-3		59,62,71	1-9/16	1-3/32	1/2	Improved Hdwe.	AI-14
28P101-1	UG-913/U	55,58,141 142,223	1-9/16	1-3/32	1/2	Improved Hdwe W/O Washer	AI-14
28P132-1		58	1-9/16	1-3/32	1/2	Improved Straight Cut	AI-12
28P132-2		59	1-9/16	1-3/32	1/2	Improved Straight Cut	AI-12
28P132-3		174	1-9/16	1-3/32	1/2	Improved Straight Cut	AI-12
28P132-4		223	1-9/16	1-3/32	1/2	Improved Straight Cut	AI-12
28P132-8		303	1-9/16	1-3/32	1/2	Improved Straight Cut	AI-12
28P232-1		8,213	1-43/64	1-7/32	3/4	Improved Straight Cut	AI-12
28P232-2		9,214	1-43/64	1-7/32	3/4	Improved Straight Cut	AI-12

BNC PLUG — RIGHT ANGLE — SHORT CRIMP



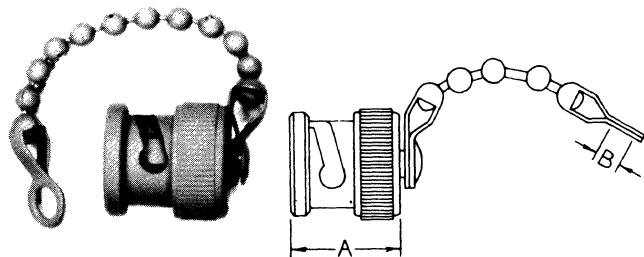
S/C Part No.	Cable RG-/U	Crimp Tool	Dimension		Engr. Data	Assy. Inst.
			A	B		
28P150-1	58,141	.213 HEX	1-17/32	1-1/32		AI-26
28P150-2	59,62,140	.255 HEX	1-17/32	1-1/32		AI-26
28P150-3	55,142,223	.213 HEX	1-17/32	1-1/32		AI-26
28P150-4	71	.268 HEX	1-17/32	1-1/32		AI-26
28P150-5	122,180,195	.178 HEX	1-17/32	1-1/32		AI-26
28P271-5	59	.255 HEX	1-21/32	1-1/32	Crimp Captive Contact	
28P271-6	58,303	.213 HEX	1-21/32	1-1/32	Crimp Captive Contact	
28P271-7	223,400	.213 HEX	1-21/32	1-1/32	Crimp Captive Contact	
28P279-1	8,213	.429 HEX	1-13/16	1-1/8	Crimp Captive Contact	
28P279-2	8,214	.429 HEX	1-13/16	1-1/8	Crimp Captive Contact	

BNC PLUG — RIGHT ANGLE — LONG CRIMP



S/C Part No.	Cable RG-/U	Crimp Tool	Dimension		Engr. Data	Assy. Inst.
			A	B		
28P149-1	58,141	.213 HEX	1-27/32	1-3/32	Captive Contact	AI-37
28P149-2	59,62,140	.255 HEX	1-27/32	1-3/32	Captive Contact	AI-37
28P149-3	55,142,223	.213 HEX	1-27/32	1-3/32	Captive Contact	AI-37
28P149-4	71	.268 HEX	1-27/32	1-3/32	Captive Contact	AI-37
28P149-5	122,180,195	.178 HEX	1-27/32	1-3/32	Captive Contact	AI-37
28P149-7	178,196	.105 HEX	1-27/32	1-3/32	Captive Contact	AI-37
28P149-10	174,179,316	.128 HEX	1-27/32	1-3/32	Captive Contact	AI-37
28P287-1	55,223	.213 HEX	2-7/32	1-1/8	Booted	AI-37

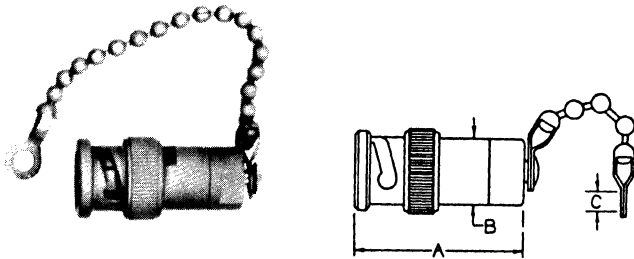
BNC PLUG CAP & CHAIN



S/C Part No.	Mil Type	Dimension		Engr. Data
		A	B	
28PC100-1	CW-155A/U	19/32		No Chain
28PC101-1	CW-123A/U	19/32	.144	2-1/2" Bead Chain
28PC102-1	CW-159/U	19/32	.144	Shorting Plug, 2-1/2" Bead Chain
28PC104-3		11/16		Shorting Plug - No Chain
28PC106-3		19/32	.144	2-1/2" Plastic Chain
28PC108-1		19/32	.144	Shorting Plug, 3" Plastic Chain
28PC110-1		19/32	.473	2-1/2" Bead Chain
28PC110-2		19/32	.505	2-1/2" Bead Chain

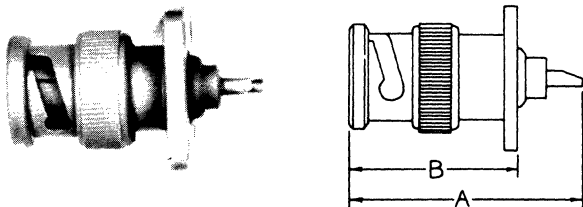
BNC SERIES

BNC PLUG TERMINATION



S/C Part No.	Mil Type	Resistor 5%		Dimension			Engr. Data
		Ohm	Watt	A	B	C	
28PO100-1		100	1/2	1-3/16	1/2	.144	3-1/2" Bead Chain
28PO100-2		51	1/2	1-3/16	1/2	.144	3-1/2" Bead Chain
28PO100-3		75	1/2	1-3/16	1/2	.144	3-1/2" Bead Chain
28PO100-4		91	1/2	1-3/16	1/2	.144	3-1/2" Bead Chain
28PO100-5		510	1/2	1-3/16	1/2	.144	3-1/2" Bead Chain
28PO100-6		1000	1/2	1-3/16	1/2	.144	3-1/2" Bead Chain
28PO100-7		150	1/2	1-3/16	1/2	.144	3-1/2" Bead Chain
28PO100-8		51	1	1-3/16	1/2	.144	3-1/2" Bead Chain
28PO101-1	MX-554/U	100	1/2	1-1/8	7/16	.144	3-1/2" Bead Chain
28PO101-2		51	1/2	1-1/8	7/16	.144	3-1/2" Bead Chain
28PO101-3		75	1/2	1-1/8	7/16	.144	3-1/2" Bead Chain
28PO101-4		91	1/2	1-1/8	7/16	.144	3-1/2" Bead Chain
28PO102-1		51	1/2	1-1/8	7/16		No Chain
28PO102-4		100	1/2	1-1/8	7/16		No Chain
28PO103-1		50	1	1-3/16	9/16		Precision Termination No Chain
28PO107-1		51	2	1-33/64	9/16	.144	3-1/2" Chain

BNC PLUG RECEPTACLE — FLANGE MOUNT



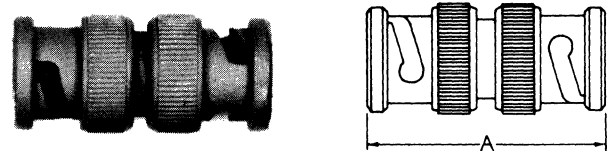
S/C Part No.	UG-U No.	Mtg. Plate	Dimension		Engr. Data
			A	B	
28PR100-1	UG-1104A/U	2C	1-3/16	55/64	Improved .062 ID Solder Pot
28PR103-2		2B	1-3/16	27/32	— .062 ID Solder Pot
28PR105-1		1A	1-3/16	27/32	Improved .062 ID Solder Pot
28PR113-1				1-1/32	27/32

BNC PLUG RECEPTACLE — SINGLE HOLE MOUNT



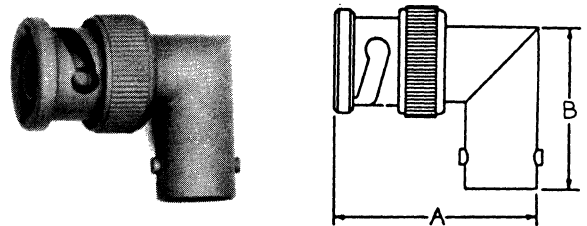
S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
28PR107-1	1-1/4	19/32	D8	Screws into 3/8-32 Tapped Hole Isolated Ground
28PR102-2	1-1/4	37/64		
28PR123-1	1-1/4	9/16	D4	

BNC ADAPTER — STRAIGHT



S/C Part No.	UG-U No.	Adapter Ends	Dimension	Engr. Data
			A	
28A101-1	UG-491B/U	Plug-Plug	1-15/64	Improved

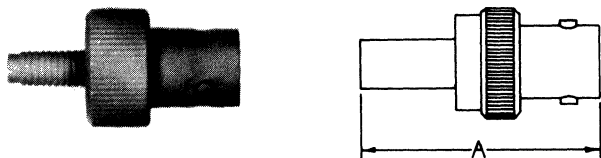
BNC ADAPTER — RIGHT ANGLE



S/C Part No.	UG-U No.	Adapter Ends	Dimension		Engr. Data
			A	B	
28AR100-1	UG-306B/U	Plug-Jack	1-1/32	51/64	Improved
28AR101-1	UG-306/U	Plug-Jack	1	29/32	Unimproved

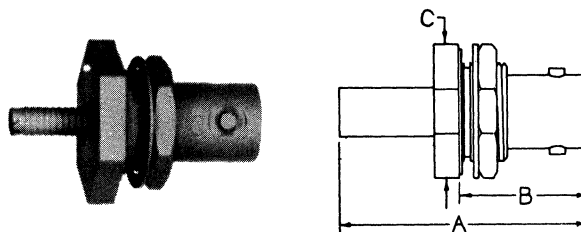
BNC SERIES

BNC JACK — STRAIGHT — SHORT CRIMP



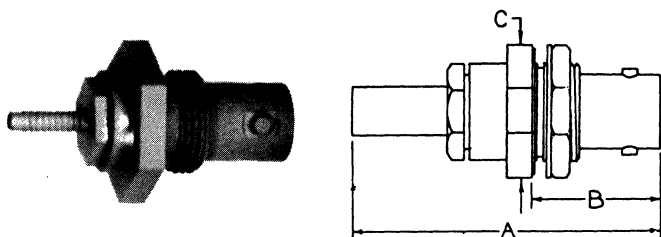
S/C Part No.	Cable RG-U	Crimp Tool	Dimension		Engr. Data	Assy. Inst.
			A			
28J107-1	58,141	.213 HEX	1-15/64			AI-26
28J107-2	59,62,140	.255 HEX	1-15/64			AI-26
28J107-3	55,142,223	.213 HEX	1-15/64			AI-26
28J129-1	174	.178 HEX	1-15/64			
28J163-2	223	.213 HEX	1-3/16		Crimp Captive Contact	
28J163-5	59,210	.255 HEX	1-3/16		Crimp Captive Contact	
28J163-6	58	.213 HEX	1-3/16		Crimp Captive Contact	
28J164-1	8,213	.429 HEX	1-17/32		Crimp Captive Contact	
28J164-2	9,214	.429 HEX	1-17/32		Crimp Captive Contact	

BNC JACK — STRAIGHT — SINGLE HOLE MOUNT — SHORT CRIMP



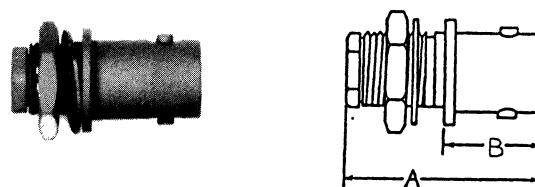
S/C Part No.	Cable RG-U	Crimp Tool	Dimension			Mfg. Hole	Engr. Data	Assy. Inst.
			A	B	C			
28JS126-1	58,141	.213 HEX	1-5/16	43/64	11/16	D4		AI-26
28JS126-2	59,62,140	.255 HEX	1-5/16	43/64	11/16	D4		AI-26
28JS126-3	55,223	.213 HEX	1-5/16	43/64	11/16	D4		AI-26
28JS126-6	122,180,195	.178 HEX	1-5/16	43/64	11/16	D4		AI-26
28JS198-1	58	.213 HEX	1-3/18	13/16	11/16	D4	Crimp Captive Contact	
28JS198-2	59	.255 HEX	1-3/8	13/16	11/16	D4	Crimp Captive Contact	
28JS198-3	180,195	.178 HEX	1-3/8	13/16	11/16	D4	Crimp Captive Contact	
28JS204-1	174,316	.178 HEX	1-3/8	3/4	11/16	D4	Crimp Captive Contact	

BNC JACK — STRAIGHT — SINGLE HOLE MOUNT — LONG CRIMP



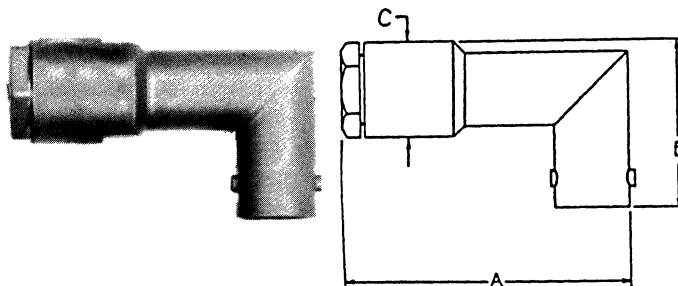
S/C Part No.	Cable RG-U	Crimp Tool	Dimension			Mfg. Hole	Engr. Data	Assy. Inst.
			A	B	C			
28JS105-1	58	.213 HEX	1-25/32	3/4	5/8	D4	Isolated Ground Captive Contact	AI-37
28JS105-2	59	.255 HEX	1-25/32	3/4	5/8	D4	Isolated Ground Captive Contact	AI-37
28JS106-1	Amphenol 621-111	.429 HEX	1-19/32	43/64	11/16	D4	Captive Contact	
28JS106-2	8,213	.429 HEX	1-19/32	43/64	11/16	D4	Captive Contact	
28JS122-1	58,141	.213 HEX	1-1/2	43/64	11/16	D4	Captive Contact	AI-37
28JS122-2	59,62,140	.255 HEX	1-1/2	43/64	11/16	D4	Captive Contact	AI-37
28JS122-3	188,316	.128 HEX	1-1/2	43/64	11/16	D4	Captive Contact	AI-37
28JS122-8	178,196	.105 HEX	1-1/2	43/64	11/16	D4	Captive Contact	AI-37
28JS152-1	187,188	.178 HEX	1-25/32	25/32	5/8	D4	Isolated Ground Captive Contact	AI-37

BNC JACK — STRAIGHT — SINGLE HOLE MOUNT



S/C Part No.	Cable RG-U	Dimension		Mfg. Hole	Engr. Data	Assy. Inst.
		A	B			
28JS155-1	.085 DIA.	29/32	9/16	D8	Solder Bushing Plug in Contact	AI-65
28JS155-2	.141 DIA.	29/32	9/16	D8	Solder Bushing Plug in Contact	AI-65

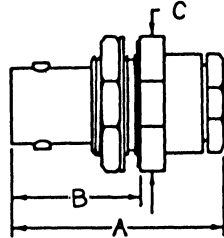
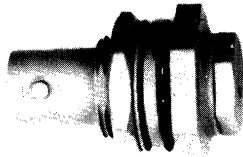
BNC JACK — RIGHT ANGLE



S/C Part No.	Cable RG-U	Dimension			Engr. Data	Assy. Inst.
		A	B	C		
28J128-1	58	1-21/32	55/64	1/2	Straight Cut Style	AI-12

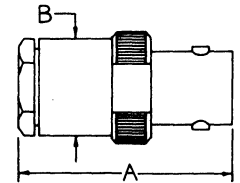
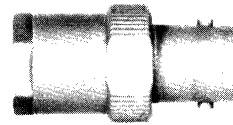
BNC SERIES

BNC JACK — STRAIGHT — SINGLE HOLE MOUNT



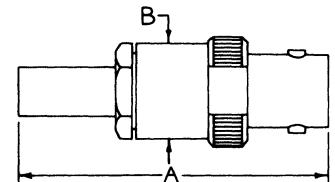
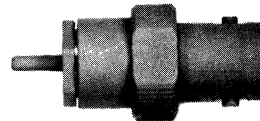
S/C Part No.	UG-/U No.	Cable RG-U	Dimension			Mfg. Hole	Engr. Data	Asst. Inst.
			A	B	C			
28JS104-1		58	1-7/16	3/4	5/8	D4	Straight Cut Isolated Ground	AI-12
28JS104-2		59,62	1-7/16	3/4	5/8	D4	Straight Cut Isolated Ground	AI-12
28JS104-3		174, 187, 188	1-7/16	3/4	5/8	D4	Straight Cut Isolated Ground	AI-12
28JS117-1	UG-909B/U	55,58,141, 142,223	1-1/8	13/16	11/16	D4	Improved	AI-14
28JS119-1	UG-910A/U	59,62,71	1-1/8	13/16	11/16	D4	Improved	AI-14
28JS119-3	UG-910/U							
28JS120-1		58	1-1/8	13/16	11/16	D4	Improved Straight Cut	AI-12
28JS120-2		59	1-1/8	13/16	11/16	D4	Improved Straight Cut	AI-12
28JS120-3		174,188	1-1/8	13/16	11/16	D4	Improved Straight Cut	AI-12
28JS120-4		223	1-1/8	13/16	11/16	D4	Improved Straight Cut	AI-12
28JS120-9		302	1-1/8	13/16	11/16	D4	Improved Straight Cut	AI-12
28JS120-12		178,196	1-1/8	13/16	11/16	D4	Improved Straight Cut	AI-12
28JS120-15		303	1-1/8	13/16	11/16	D4	Improved Straight Cut	AI-12
28JS121-1	UG-909/U	55,58,141, 142,223	1-1/8	43/64	11/16	D4	Improved W/O Washer	AI-14
28JS123-1		58	1-1/16	33/64	5/8	D10	Unimproved Reverse Mount	
28JS125-1		187,188	1-1/16	27/32	5/8	D11	Unimproved	
28JS125-2		58	1-1/16	27/32	5/8	D11	Unimproved	
28JS127-1		174,179A, 187,188	1-1/8	13/16	11/16	D4	Improved W/O Washer	AI-14
28JS127-2		180,195	1-1/8	13/16	11/16	D4	Improved W/O Washer	AI-14
28JS127-3		179	1-1/8	13/16	11/16	D4	Improved W/O Washer	AI-14
28JS127-6		178,196	1-1/8	13/16	11/16	D4	Improved	AI-14
28JS128-1	UG-909A/U	55,58,141, 142,223	1-1/8	13/16	11/16	D4	Improved	AI-14
28JS129-1		55,58	1-15/32	3/4	5/8	D4	Isolated Ground	AI-14
28JS129-2		59,62	1-15/32	3/4	5/8	D4	Isolated Ground	AI-14
28JS129-3		174,187,188	1-15/32	3/4	5/8	D4	Isolated Ground	AI-14
28JS129-4		180,195	1-15/32	3/4	5/8	D4	Isolated Ground	AI-14
28JS138-1		179	1-13/32	15/32	5/8	D4	Isolated Ground Reverse Mount	
28JS154-1		.141 OD SR	1-1/8	13/16	11/16	D4	Plug-in Style	AI-21
28JS154-2		.085 OD SR	1-1/8	13/16	11/16	D4	Plug-in Style	AI-21
28JS154-3		.250 OD SR	1-1/8	13/16	11/16	D4	Plug-in Style	AI-21
28JS179-1		.141 S.R.	1-1/8	43/64	11/64	D4	Solder on Bushing	
28JS185-2		58,223	1-1/8	13/16	11/16	D4	M39012/19-0101	
28JS185-3		59,210	1-1/8	13/16	11/16	D4	M39012/19-0102	
28JS185-4		122	1-1/8	13/16	11/16	D4	M39012/19-0110	
28JS185-5		303	1-1/8	13/16	11/16	D4	M39012/19-0111	
28JS185-6		302	1-1/8	13/16	11/16	D4	M39012/19-0118	
28JS191-3		174,316	1-1/8	13/16	11/16	D4	Straight Cut Braid Clamp	

BNC JACK — STRAIGHT



S/C Part No.	UG-/U No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
			A	B		
28J110-1	UG-89C/U	55,58,141, 142,223	1-1/8	1/2	Improved	AI-14
28J110-4		174,316	1-1/8	1/2	Improved	AI-14
28J110-5		178,196	1-1/8	1/2	Improved	AI-14
28J110-6		122,180,195	1-1/8	1/2	Improved	AI-14
28J111-1	UG-261C/U	59,62,71	1-1/8	1/2	Improved	AI-14
28J112-1		58	1-1/8	1/2	Straight Cut Hdwe.	AI-12
28J112-2		59	1-1/8	1/2	Straight Cut Hdwe.	AI-12
28J112-3		223	1-1/8	1/2	Straight Cut Hdwe.	AI-12
28J112-4		174,316	1-1/8	1/2	Straight Cut Hdwe.	AI-12
28J112-7		180,195	1-1/8	1/2	Straight Cut Hdwe.	AI-12
28J112-9		303	1-1/8	1/2	Straight Cut Hdwe.	AI-12
28J114-1	UG-89/U	55,58	1-1/16	7/16	Unimproved	
28J119-5		8,9,213,214	1-1/2	3/4	Improved	AI-87
28J125-1		55,58	1-1/8	1/2	Captive Contact	AI-20
28J126-1	UG-261/U	59,62	1-1/16	7/16	Unimproved	
28J150-1		178,196	1-1/8	1/2	Straight Cut Hdwe.	
28J151-4		9,214	1-7/16	3/4	Straight Cut Hdwe.	AI-81
28J151-5		8,213	1-7/16	3/4	Straight Cut Hdwe.	AI-81
28J161-1		58,223	1-1/8	1/2	M39012/17-0101	AI-14
28J161-2		59,210	1-1/8	1/2	M39012/17-0102	AI-14
28J161-3		122	1-1/8	1/2	M39012/17-0103	AI-14
28J161-4		303	1-1/8	1/2	M39012/17-0111	AI-14
28J161-5		302	1-1/8	1/2	M39012/17-0118	AI-14

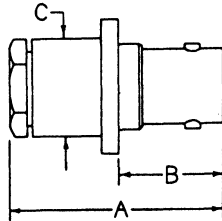
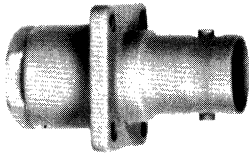
BNC JACK — STRAIGHT — LONG CRIMP



S/C Part No.	Cable RG-U	Crimp Tool	Dimension		Engr. Data	Assy. Inst.
			A	B		
28J106-1	58,141	.213 HEX	1-15/32	7/16	Captive Contact	AI-37
28J106-2	59,62,140	.255 HEX	1-15/32	7/16	Captive Contact	AI-37
28J106-3	55,142,223	.213 HEX	1-15/32	7/16	Captive Contact	AI-37
28J106-4	71	.268 HEX	1-15/32	7/16	Captive Contact	AI-37
28J106-5	122,180,195	.178 HEX	1-15/32	7/16	Captive Contact	AI-37
28J106-8	178,196	.105 HEX	1-15/32	7/16	Captive Contact	AI-37
28J147-2	Belden 8212	.255 HEX	1-15/32	7/16	Captive Contact	AI-37

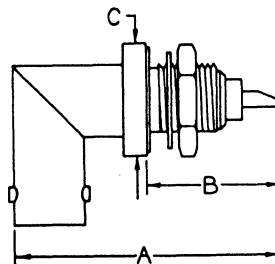
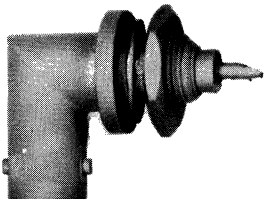
BNC SERIES

BNC JACK — STRAIGHT — FLANGE MOUNT



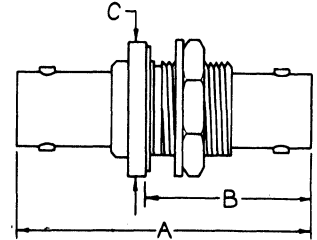
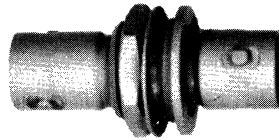
S/C Part No.	UG-U No.	Cable RG-U	Dimension			Mfg. Hole	Engr. Data	Assy. Inst.
			A	B	C			
28JF103-1	UG-291C/U	55,58,141 142,223	1-1/8	35/64	1/2	3A	Improved	AI-14
28JF104-1	UG-291B/U	55,58,141 142,223	1-1/8	35/64	1/2	3A	Improved W/O Washer	AI-14
28JF105-1	UG-262C/U	59,62,71	1-1/8	35/64	1/2	3A	Improved	AI-14
28JF106-1		58	1-1/8	35/64	1/2	3A	Improved Straight Cut	AI-12
28JF106-2		59	1-1/8	35/64	1/2	3A	Improved Straight Cut	AI-12
28JF106-3		174	1-1/8	35/64	1/2	3A	Improved Straight Cut	AI-12
28JF106-4		223	1-1/8	35/64	1/2	3A	Improved Straight Cut	AI-12
28JF107-1		174,179A 187,188	1-1/8	35/64	1/2	3A	Improved	AI-14
28JF108-1	UG-291/U	55,58	1-1/16	5/8	7/16	3A	Unimproved	
28JF113-1		.141 OD SR	1-1/8	35/64	1/2	3A	Solder on Bushing	
28JF113-2		.085 OD SR	1-1/8	35/64	1/2	3A	Solder on Bushing	
28JF114-1		59,210	1-1/8	35/64	1/2	3A	M39012/18-0101	
28JF114-2		58,223	1-1/8	35/64	1/2	3A	M39012/18-0102	
28JF114-3		122	1-1/8	35/64	1/2	3A	M39012/18-0103	
28JF114-4		303	1-1/8	35/64	1/2	3A	M39012/18-0111	
28JF114-5		302	1-1/8	35/64	1/2	3A	M39012/18-0118	

BNC JACK RECEPTACLE — RIGHT ANGLE — SINGLE HOLE MOUNT



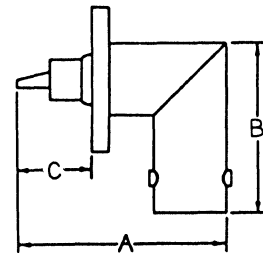
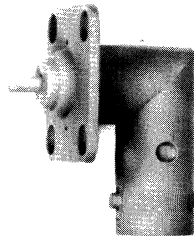
S/C Part No.	UG-U No.	Dimension			Mfg. Hole	Engr. Data
		A	B	C		
28JR101-1	UG-1098A/U	1-11/32	3/4	19/32	D7	Improved .062 ID Solder Pot
28JR136-1	UG-1098/U	1-7/32	5/8	19/32	D7	Improved .062 ID Solder Pot
28JR137-1	UG-1174/U	1-7/32	5/8	19/32	D6	Improved .062 ID Solder Pot

BNC ADAPTER — STRAIGHT — SINGLE HOLE MOUNT



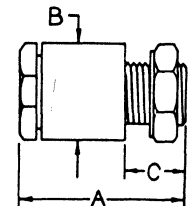
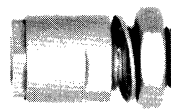
S/C Part No.	UG-U No.	Adapter Ends	Dimension			Mtg. Hole	Engr. Data
			A	B	C		
28AS100-1		Jack-Jack	1-9/32	51/64	5/8	D4	Isolated Ground
28AS101-1	UG-492D/U	Jack-Jack	1-17/32	55/64	11/16	D4	Improved Herm. Seal
28AS103-1		Jack-Jack	1-9/32	49/64	11/16	D4	Improved
28AS104-1	UG-492A/U	Jack-Jack	1-25/64	47/64	11/16	D4	Improved Herm. Seal

BNC JACK RECEPTACLE — RIGHT ANGLE — FLANGE MOUNT



S/C Part No.	UG-U No.	Dimension			Mtg. Plate	Engr. Data
		A	B	C		
28JR104-1	UG-535/U	29/32	29/32	19/64	2B	Unimproved Teflon Ins. .059 ID Solder Pot

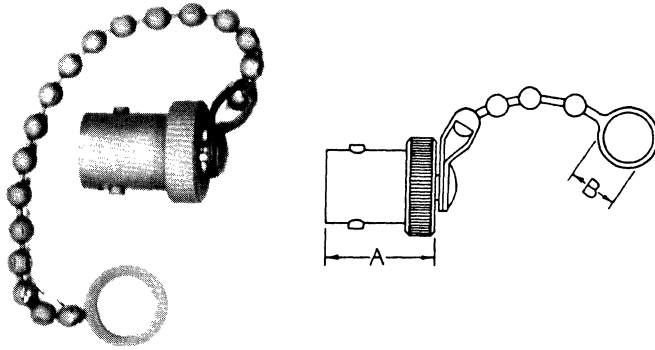
BNC TERMINATION — STRAIGHT — SINGLE HOLE MOUNT



S/C Part No.	Mil Type	Cable TG-U	Dimension			Mtg. Hole	Engr. Data
			A	B	C		
28TS100-1	MX-1530/U	59,62,71	51/64	7/16	5/16	C3	Unimproved
28TS101-1	MX-1684/U	55,58,223	51/64	7/16	5/16	C3	Unimproved
28TS102-1	MX-1684A/U	55,58,223	7/8	1/2	5/16	C3	Improved W/O Washer
28TS105-1	MX-1530A/U	59,62,71	7/8	1/2	5/16	C3	Improved W/O Washer

BNC SERIES

BNC JACK CAP & CHAIN



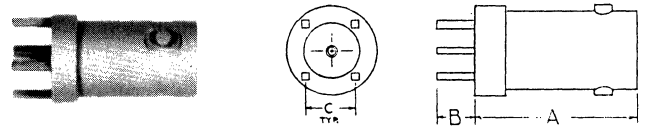
S/C Part No.	Mil Type	Dimension		Engr. Data
		A	B	
28JC100-1	CW-282/U	37/64	9/32	3" Bead Chain
28JC100-2		37/64	.144	3" Bead Chain
28JC101-1		21/32		Shorting Cap No Chain

BNC JACK RECEPTACLE — STRAIGHT — SINGLE HOLE MOUNT



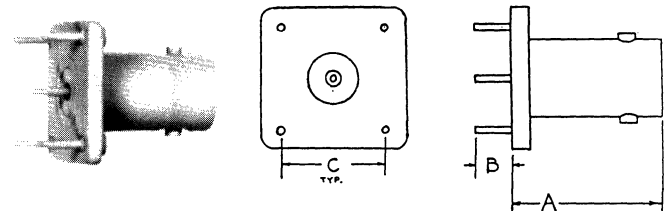
S/C Part No.	UG-/U No.	Dimension		Mtg. Hole	Engr. Data
		A	B		
28JR102-1	UG-1094A/U	1-3/16	15/32	D8	Improved .062 ID Solder Pot
28JR103-2		1-1/16	15/32	D4	Improved .062 ID Solder Pot
28JR105-1	UG-625B/U	1-1/16	31/64	D6	Improved .062 ID Solder Pot
28JR106-1		1-1/16	31/64	D4	Isolated Ground
28JR115-1		1-1/16	3/4	D4	Isolated Ground, Reverse Mount
28JR117-1	UG-912A/U	1-13/64	33/64	D7	Herm. Seal, Lug Terminal
28JR121-1	UG-625/U	1-1/16	1/2	D6	Rexolite Ins.
28JR124-1	UG-1094/U	1-1/16	15/32	D8	Improved .062 ID Solder Pot
28JR125-1	UG-1873/U	1-13/64	33/64	D7	Herm. Seal, Lug Terminal
28JR126-1	UG-657/U	1-19/64	19/32	DD2	Rexolite Ins. Pressurized
28JR142-1	UG-912/U	1-13/64	33/64	D7	Herm. Seal, Lug Terminal
28JR147-1	UG-911A/U	1-13/64	53/64	D4	Herm. Seal, Lug Terminal Reverse Mount
28JR182-1	UG-657A/U	1-19/64	19/32	DD2	Teflon Ins.
28JR195-1	UG-604/U	1-1/32	35/64	DD3	Rexolite Ins.
28JR205-1		1-1/16	15/32	DD4	
28JR214-1		1-3/16	41/64	D4	Isolated Ground, Herm. Sealed
28JR232-1	UG-625C/U	1-1/16	31/64	D6	Improved
28JR281-1		1-3/16	15/32	D8	M39012/21-0002
28JR284-1		1-1/16	25/32	D4	Reverse Mount
28JR333-1		1-1/16	31/64	D5	M39012/21-0001
28JR333-2		1-3/16	31/64	D5	M39012/21-0003

BNC JACK RECEPTACLE — PRINTED CIRCUIT BOARD



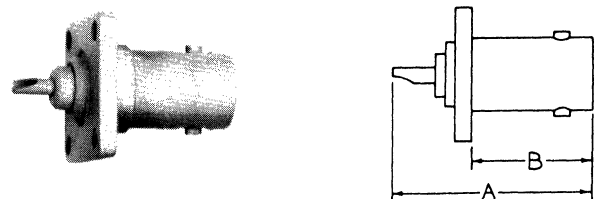
S/C Part No.	Dimension			Engr. Data
	A	B	C	
28JR299-3	45/64	.189	.250	.040 Square Legs

BNC JACK RECEPTACLE — PRINTED CIRCUIT BOARD MOUNT



S/C Part No.	Dimension			Engr. Data
	A	B	C	
28JR198-1	45/64	.189	.500	.038 Dia. Legs
28JR198-2	21/32	.125	.500	.038 Dia. Legs

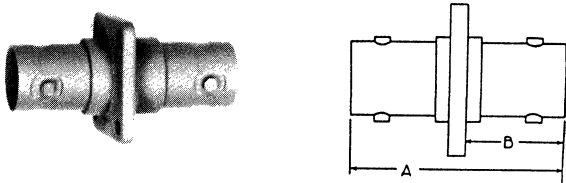
BNC JACK RECEPTACLE — STRAIGHT — FLANGE MOUNT



S/C Part No.	UG-/U No.	Dimension		Mtg. Plate	Engr. Data
		A	B		
28JR100-1	UG-290A/U	1-1/16	5/8	3A	Improved .062 ID Solder Pot
28JR107-1	UG-185/U	1-1/16	9/16	2B	Unimproved Rexolite Ins. Turret Lug Terminal
28JR109-1	UG-447/U	1-1/32	5/8	3C	Unimproved Rexolite Ins. .043 ID Solder Pot
28JR143-1		1-1/16	5/8	1A	Improved .062 ID Solder Pot
28JR155-1		1-1/32	5/8	3B	Unimproved Rexolite Ins. .043 ID Solder Pot
28JR171-1	UG-290/U	1-1/32	5/8	3A	Unimproved Rexolite Ins. .043 ID Solder Pot
28JR227-1		1-1/16	5/8	3A	M39012/22-0001
28JR240-1		1-1/32	5/8	2B	Rexolite Ins.
28JR255-1		1-1/16	5/8	3B	Improved .062 ID Solder Pot
28JR312-2		1-1/16	5/8	2B	Improved .062 ID Solder Pot

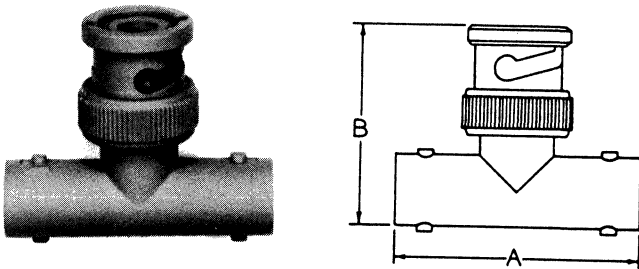
BNC SERIES

BNC ADAPTER — FLANGE MOUNT — JACK TO JACK



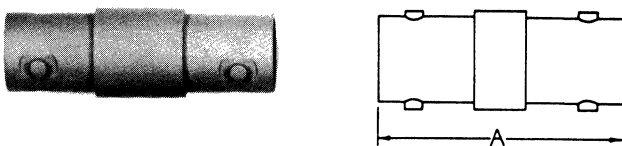
S/C Part No.	UG-/U No.	Dimension		Mtg. Plate	Engr. Data
		A	B		
28AF100-1	UG-414A/U	1-9/32	19/32	3A	

BNC ADAPTER — TEE



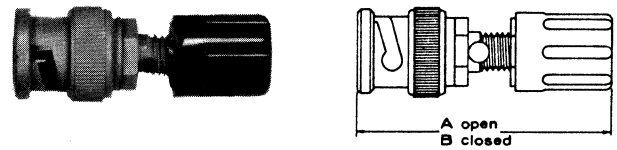
S/C Part No.	UG-/U No.	Adapter Ends	Dimension		Engr. Data
			A	B	
28AT100-1		Jack-Jack-Jack	1-9/32	57/64	Improved
28AT101-1	UG-274B/U	Jack-Plug-Jack	1-9/32	1-1/32	Improved
28AT102-1	UG-274/U	Jack-Plug-Jack	1-9/32	1-5/64	Unimproved
28AT105-1	UG-274A/U	Jack-Plug-Jack	1-9/32	1-1/32	Improved
28AT106-1		Jack-Jack-Plug	1-31/64	57/64	
28AT116-1		Plug-Jack-Plug	1-13/16	63/64	
28AT117-1		Plug-Plug-Plug	1-13/16	1-7/32	

BNC ADAPTER — STRAIGHT



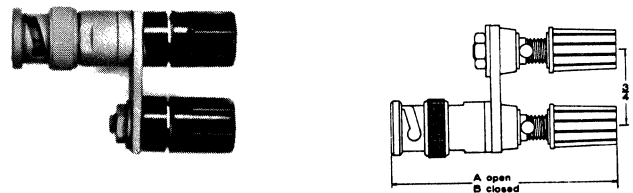
S/C Part No.	UG-/U No.	Adapter Ends	Dimension	Engr. Data
			A	
28A100-1	UG-914/U	Jack-Jack	1-9/32	Improved

BNC PLUG BINDING POST



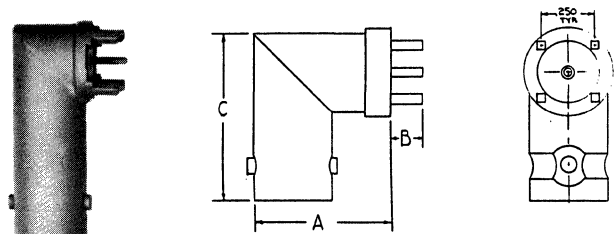
S/C Part No.	UG-/U No.	Dimension		Engr. Data
		A	B	
28PB100-1	UG-1090/U	1-9/16	1-5/16	Accepts Banana Plug

BNC PLUG — DOUBLE BINDING POST



S/C Part No.	UG-/U No.	Dimension		Engr. Data
		A	B	
28PB102-2		2-11/64	1-63/64	Accepts Double Banana Plug

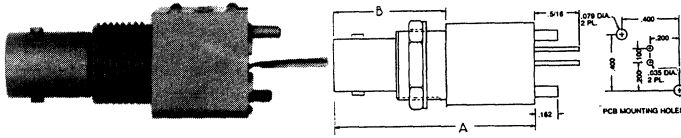
BNC JACK RECEPTACLE RIGHT ANGLE PRINTED CIRCUIT BOARD MOUNT



S/C Part No.	Dimension			Engr. Data
	A	B	C	
28JR330-1	39/64	.189	51/64	.040 Square Legs

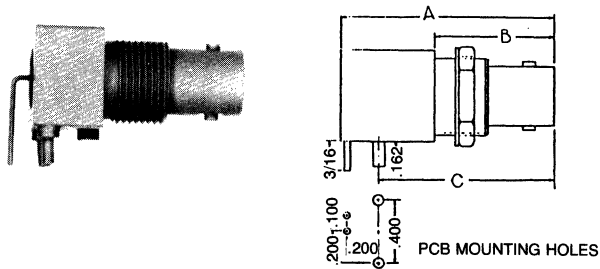
BNC SERIES

BNC JACK RECEPTACLE — PCB MOUNT



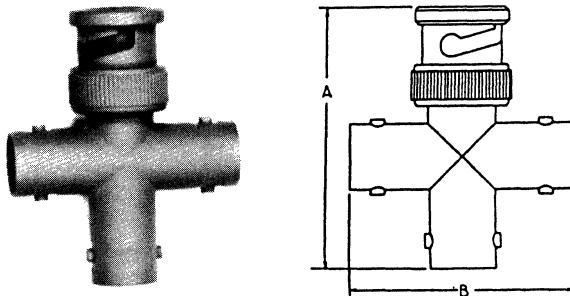
S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
28JR383-1	1-3/8	13/16	D4	Molded Plastic Body

BNC JACK RECEPTACLE — RIGHT ANGLE — PCB MOUNT



S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
28JR384-1	1-3/8	13/16	1-1/8	D4	Molded Plastic Body

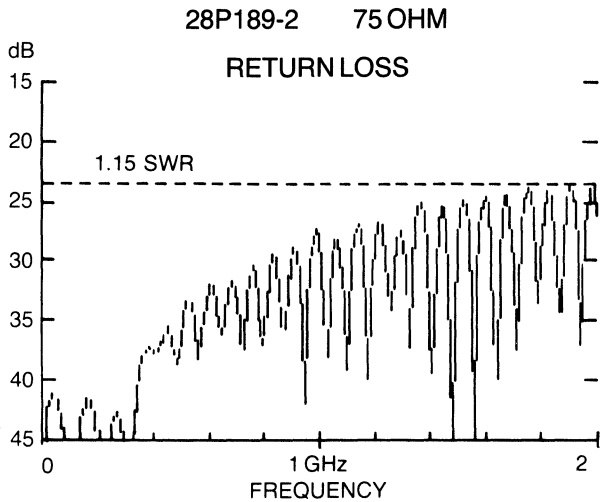
BNC ADAPTER — CROSS



S/C Part No.	Dimension		Engr. Data
	A	B	
28AC100-1	1-35/64	1-9/32	

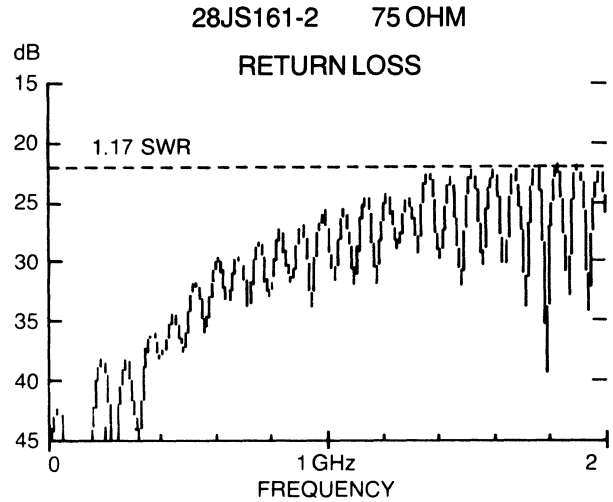
BNC SERIES - 75 OHM

This series is patterned from the standard 50 OHM BNC series. It will intermate with the 50 OHM BNC's. In order to obtain 75 OHMs the contact diameters have been reduced back of the mating face and some of the insulator has been removed from the mating area. They are weatherproof and will meet all the environmental requirements of the 50 ohm BNC series. They will operate with very little electrical loss up to 2 GHZ. At the present time test equipment only allows checking VSWR up to 2 GHZ. Return loss curves are shown below:



Limits: Upper Lower
Return: 23.4 OFF (dB)

RF level: 10.0 dBm



Limits: Upper Lower
Return: 22 Off (dB)

RF level: 10.0 dBm

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

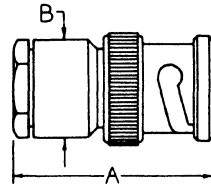
FINISHES: Silver plating per QQ-S-365
Gold per MIL-G-45204
Proprietary bright nickel (IP23)

ELECTRICAL SPECS: Nominal impedance: 75 ohms
Frequency range: 0 to 2 GHz
VSWR: 1.17 max.
Voltage rating: 500 VRMS
Insulation resistance: 5000 MEGOHMS
Contact resistance: Center 1.5 MILLIOHMS max.
Outer .2 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)

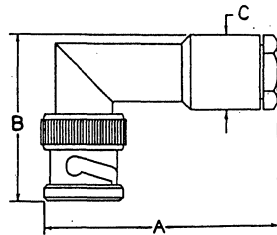
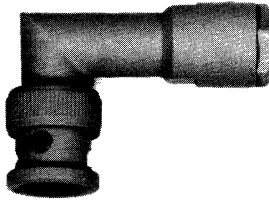
BNC SERIES - 75 OHM

BNC PLUG — STRAIGHT — 75 OHM



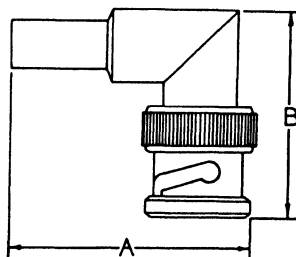
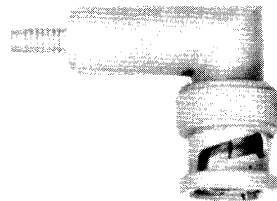
S/C Part No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
		A	B		
28P189-1	21-597 Belden 8218	1-3/64	1/2	Captive Contact	AI-20
28P189-2	59	1-3/64	1/2	Captive Contact	AI-20
28P189-7	Belden 9266	1-3/64	1/2	Captive Contact	AI-20
28P212-1	Belden 8281,9231	1-3/64	1/2	Captive Contact	AI-32
28P212-2	Belden 9248	1-3/64	1/2	Captive Contact	AI-32
28P282-1	Belden 8281	1-1/16	9/16	Straight Cut Style	AI-55
28P284-1	59	1-1/16	1/2	Straight Cut Style	AI-12
28P284-2	Belden 8218	1-1/16	1/2	Straight Cut Style	AI-12
28P284-3	302	1-1/16	1/2	Straight Cut Style	AI-12
28P284-4	179,187	1-1/16	1/2	Straight Cut Style	AI-12

BNC PLUG — RIGHT ANGLE — 75 OHM



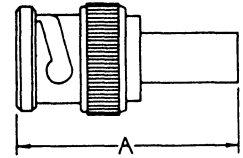
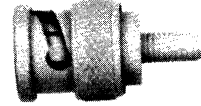
S/C Part No.	Cable RG-U	Dimension			Engr. Data	Assy. Inst.
		A	B	C		
28P243-1	R659	1-9/16	1-3/32	1/2	Improved Hdwe.	AI-20
28P243-2	21-597 Belden 8218	1-9/16	1-3/32	1/2	Improved Hdwe.	AI-20
28P245-1	Belden 8281,9231	1-9/16	1-3/32	1/2		AI-32

BNC PLUG — RIGHT ANGLE — SHORT CRIMP — 75 OHM



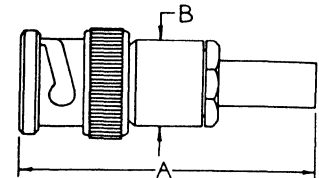
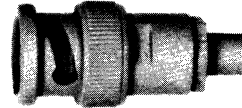
S/C Part No.	Cable RG-U	Crimp Tool	Dimension		Engr. Data
			A	B	
28P268-1	59	.255 HEX	1-1/64	57/64	Access Cap
28P268-3	174,179,316	.128 HEX	1-1/64	57/64	Access Cap

BNC PLUG — STRAIGHT — SHORT CRIMP — 75 OHM



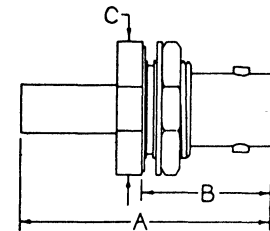
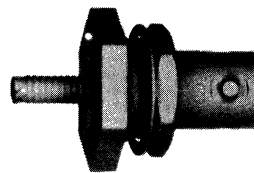
S/C Part No.	Cable RG-U	Crimp Tool	Dimension	Engr. Data	Assy. Inst.
			A		
28P293-1	59	.255 HEX	1-5/32	Captive Contact	AI-26
28P293-2	179,187	.128 HEX	1-5/32	Captive Contact	AI-26

BNC PLUG — STRAIGHT — LONG CRIMP — 75 OHM



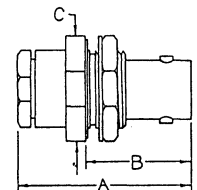
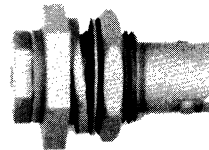
S/C Part No.	Cable RG-U	Crimp Tool	Dimension		Engr. Data
			A	B	
28P290-1	174,179,316	.128 HEX	1-35/64	1/2	Captive Contact
28P294-1	Belden 8281	.324 HEX	1-17/32	1/2	Captive Contact

BNC JACK — STRAIGHT — SINGLE HOLE MOUNT — SHORT CRIMP — 75 OHM



S/C Part No.	Cable RG-U	Crimp Tool	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
			A	B	C			
28JS171-1	174,187	.178 HEX	1-5/16	43-64	11/16	D4		
28JS171-2	59	.255 HEX	1-5/16	43/64	11/16	D4		
28JS209-1	59	.255 HEX	1-9/32	13/16	11/16	D4	Cap. Contact	AI-26
28JS209-2	174,316	.128 HEX	1-9/32	13/16	11/16	D4	Cap. Contact	AI-26

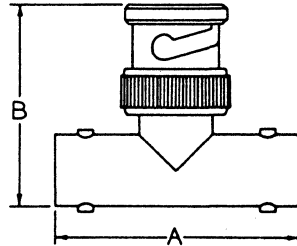
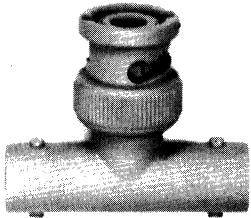
BNC JACK — STRAIGHT — SINGLE HOLE MOUNT — — 75 OHM



S/C Part No.	Cable RG-U	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
		A	B	C			
28JS161-1	21-597 Belden 8218	1-1/8	13/16	11/16	D4	Captive Contact	AI-20
28JS161-2	59	1-1/8	13/16	11/16	D4	Captive Contact	AI-20
28JS161-3	174,179,187	1-1/8	13/16	11/16	D4	Captive Contact	AI-20
28JS161-6	Belden 9266	1-1/8	13/16	11/16	D4	Captive Contact	AI-20
28JS203-1	Belden 8281 9231	1-1/8	13/16	11/16	D4	Captive Contact	AI-32
28JS203-2	Belden 9248	1-1/8	13/16	11/16	D4	Captive Contact	AI-32

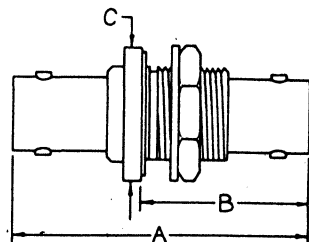
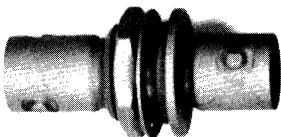
BNC SERIES - 75 OHM

BNC ADAPTER — TEE — 75 OHM



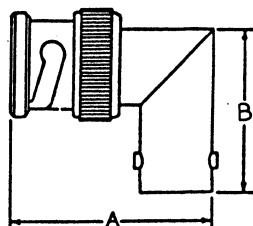
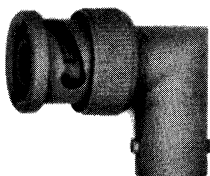
S/C Part No.	Adapter	Dimension		Engr. Data
		A	B	
28AT109-1	Jack-Plug-Jack	1-9/32	1-1/32	
28AT112-1	Plug-Plug-Plug	1-13/16	1-7/32	
28AT113-1	Jack-Jack-Jack	1-9/32	57/64	

BNC ADAPTER — STRAIGHT — SINGLE HOLE MOUNT — 75 OHM



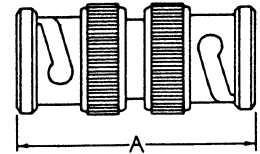
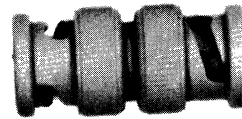
S/C Part No.	Adapter Ends	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
28AS112-1	Jack-Jack	1-9/32	49/64	11/16 HEX	D4	

BNC ADAPTER — RIGHT ANGLE — 75 OHM



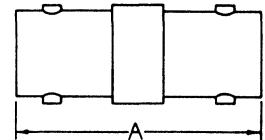
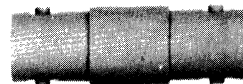
S/C Part No.	Adapter Ends	Dimension		Engr. Data
		A	B	
28AR102-2	Plug-Jack	1-1/32	51/64	

BNC ADAPTER — STRAIGHT — 75 OHM



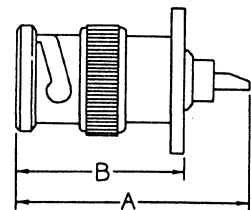
S/C Part No.	Adapter Ends	Dimension	Engr. Data
		A	
28A111-2	Plug-Plug	1-15/64	

BNC ADAPTER — STRAIGHT — 75 OHM



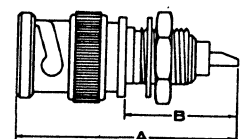
S/C Part No.	Adapter Ends	Dimension	Engr. Data
		A	
28A110-2	Jack-Jack	1-9/32	

BNC PLUG RECEPTACLE — FLANGE MOUNT — 75 OHM



S/C Part No.	Mtg. Plate	Dimension		Engr. Data
		A	B	
28PR136-1	2B	1-1/4	27/32	

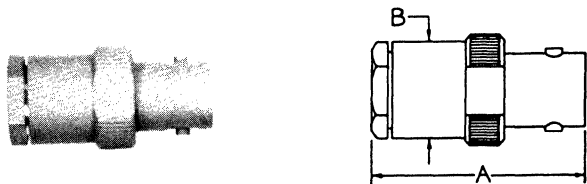
BNC PLUG RECEPTACLE — SINGLE HOLE MOUNT — 75 OHM



S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
28PR124-1	1-1/4	37/64	D8	

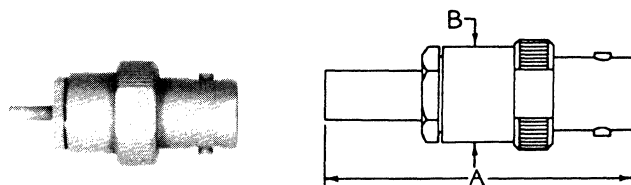
BNC SERIES - 75 OHM

BNC JACK — STRAIGHT — 75 OHM



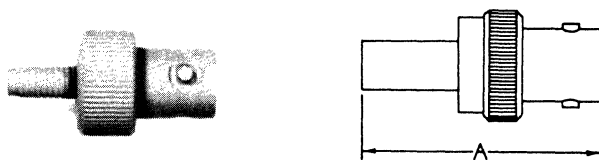
S/C Part No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
		A	B		
28J138-1	59	1-1/8	1/2	Captive Contact	AI-20
28J138-2	21-597 Belden 8218	1-1/8	1/2	Captive Contact	AI-20
28J143-1	Belden 8281	1-1/8	1/2	Captive Contact	AI-32

BNC JACK — STRAIGHT — LONG CRIMP — 75 OHM



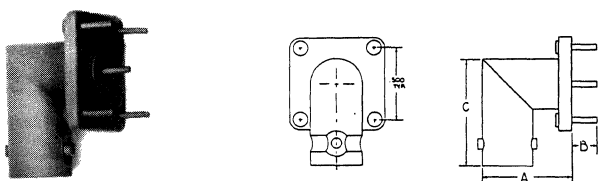
S/C Part No.	Cable RG-/U	Crimp Tool	Dimension		Engr. Data
			A	B	
28J168-1	Belden 8281	.324 HEX	1-1/2	1/2	Captive Contact

BNC JACK — STRAIGHT — SHORT CRIMP — 75 OHM



S/C Part No.	Cable RG-/U	Crimp Tool	Dimension	Engr. Data	Assy. Inst.
			A		
28J169-1	59	.255 HEX	1-9/32	Captive Contact	AI-26

BNC JACK RECEPTACLE — 75 OHM — RIGHT ANGLE — PRINTED CIRCUIT BOARD MOUNT



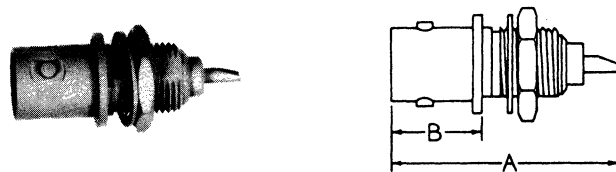
S/C Part No.	Dimension			Engr. Data
	A	B	C	
28JR327-1	39/64	.189	51/64	.038 Dia. Legs

BNC JACK RECEPTACLE — STRAIGHT — FLANGE MOUNT — 75 OHM



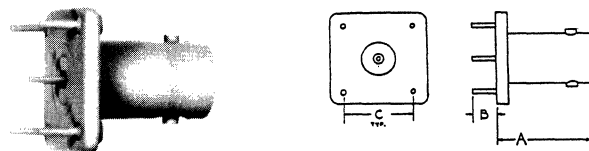
S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
28JR258-1	61/64	5/8	3B	

BNC JACK RECEPTACLE — STRAIGHT — SINGLE HOLE MOUNT — 75 OHM



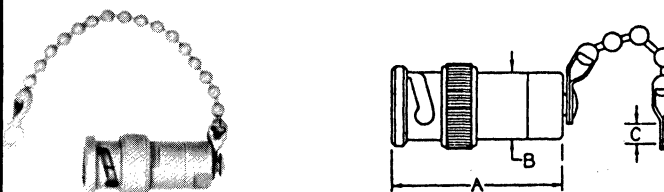
S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
28JR217-2	61/64	33/64		Screws into 3/8-32 Tapped Hole
28JR261-1	1-19/64	19/32	DD2	
28JR268-1	1-1/16	35/64	D8	
28JR343-1	51/64	15/32	D8	
28JR345-1	51/64	5/8	D5	

BNC JACK RECEPTACLE — 75 OHM — PRINTED CIRCUIT BOARD MOUNT



S/C Part No.	Dimension			Engr. Data
	A	B	C	
28JR272-1	45/64	.189	.500	.038 Dia. Legs

BNC PLUG TERMINATION — 75 OHM



S/C Part No.	Resistor		Dimension			Engr. Data
	Ohm	Watt	A	B	C	
28PO104-2	75	1/2	1-1/4	1/2		No Chain
28PO108-1	75	1/2	1-3/16	1/2	.144	3-1/2" Chain

BNC TRIAX SERIES

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

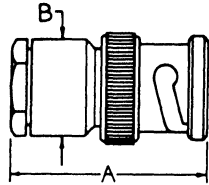
FINISHES: Silver plating per QQ-S-365
Gold plating per MIL-G-45204
Proprietary bright nickel (IP23)

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)

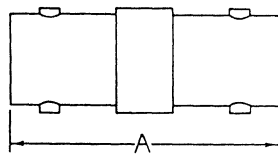
BNC TRIAx SERIES

BNC TRIAX PLUG



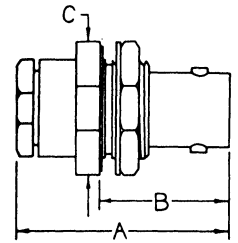
S/C Part No.	Triaxial Cable	Dimension		Engr. Data	Assy. Inst.
		A	B		
30P100-2	Coaxco 1102	1-27/64	1/2		AI-92
30P100-3	Coaxco 1102	1-27/64	1/2	3 Lug	AI-92
30P102-1	Essex 21-738	1-27/64	1/2		AI-15
30P102-2	Microdot 93-3930	1-27/64	1/2		AI-15
30P102-3	Microdot 93-3922	1-27/64	1/2		AI-15
30P102-4	Microdot 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 6232	1-7/8	3/4	3 Lug - Straight Cut Style	

BNC TRIAX ADAPTER — JACK-JACK



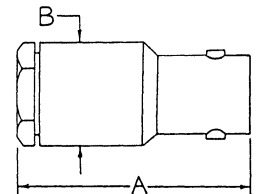
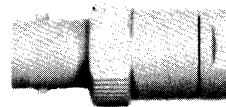
S/C Part No.	Dimension		Engr. Data
	A		
30A101-2	1-23/64		3 Lug
30A101-3	1-23/64		

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		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

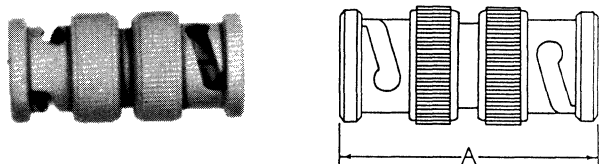
BNC TRIAX JACK



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

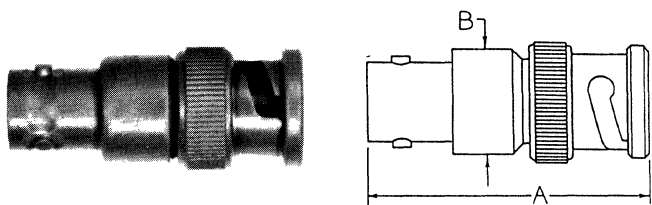
BNC TRIAx SERIES

BNC TRIAX ADAPTER — PLUG-PLUG



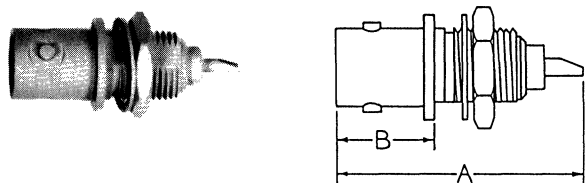
S/C Part No.	Dimension		Engr. Data
	A		
30A102-1	1-9/16		3 Lug
30A102-2	1-9/16		

BNC TRIAX ADAPTER — PLUG-JACK



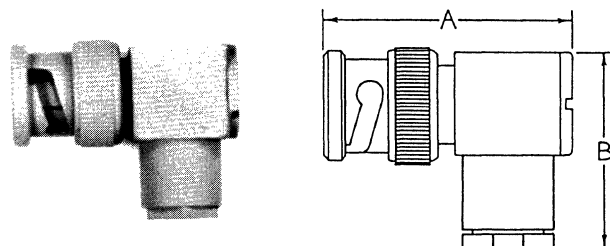
S/C Part No.	Dimension		Engr. Data
	A	B	
30A103-3	1-23/64	1/2	2 Lug Jack - 3 Lug Plug
30A103-4	1-23/64	1/2	

BNC TRIAX JACK RECEPTACLE — SINGLE HOLE MOUNT



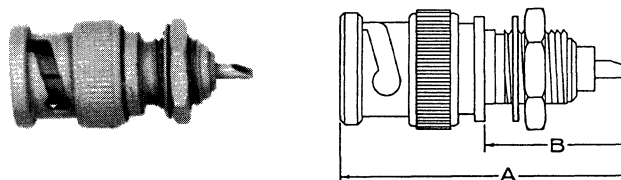
S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
30JR104-4	1-9/64	31/64	D5	3 Lug
30JR106-3	1-19/64	31/64	D3	
30JR116-1	1-9/64	31/64	D5	3 Lug
30JR121-1	1-7/64	1/2	D8	
30JR121-2	1-7/64	1/2	D8	
30JR122-1	1-19/64	31/64	D3	

BNC TRIAX PLUG — RIGHT ANGLE



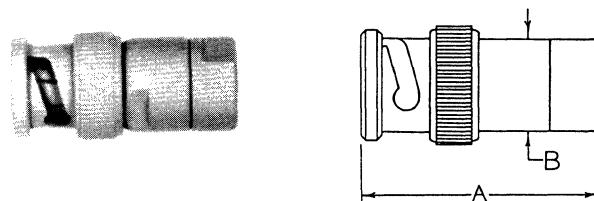
S/C Part No.	Triaxial Cable	Dimension		Engr. Data	Assy. Inst.
		A	B		
30P120-1	RG108A/U	1-3/16	1-1/16	3 Lug	AI-89
30P127-1	Essex 21-738	1-11/64	1-1/32		
30P133-1	RG307A/U	1-29/32	1-5/16		

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	

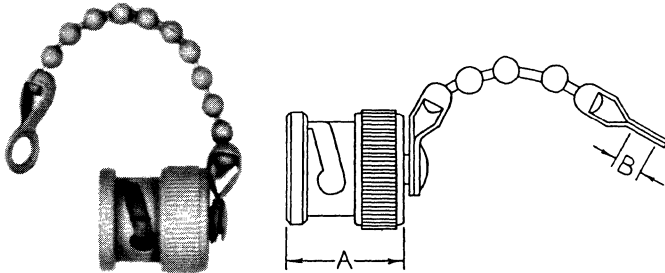
BNC TRIAX PLUG — TERMINATION



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

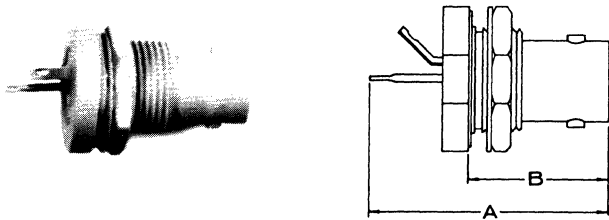
BNC TRIAX SERIES

BNC TRIAX PLUG — CAP



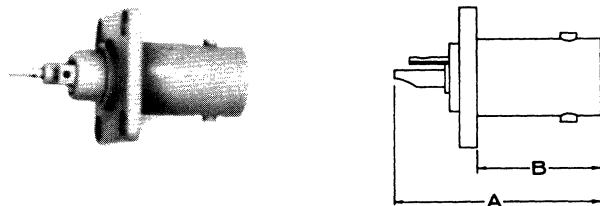
S/C Part No.	Dimension		Engr. Data
	A	B	
30PC103-1	19/32	.144	3 Lug

BNC TRIAX JACK RECEPTACLE — SINGLE HOLE MOUNT



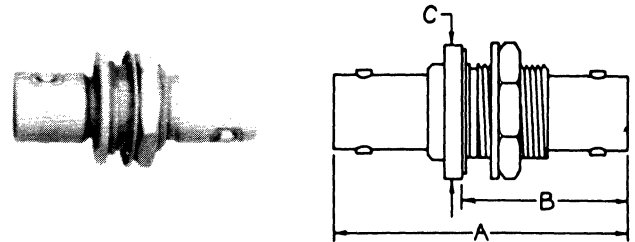
S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
30JR102-1	1-19/64	53/64	D4	Hermetically Sealed
30JR107-1	1-19/64	9/64	D4	Hermetically Sealed, Reverse Mount
30JR120-1	1-19/64	53/64	D4	

BNC TRIAX JACK RECEPTACLE — FLANGE MOUNT



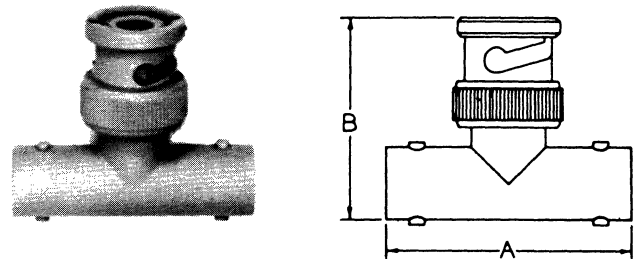
S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
30JR100-1	1-5/64	5/8	3B	
30JR101-3	1-15/64	5/8	3B	3 Lug

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	3 Lug

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

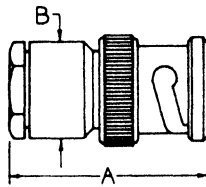
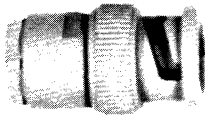
BNC TRIAX - POLARIZED SERIES

These connectors are the same as the regular BNC triax series except the center contacts are reversed to achieve the polarization. They only mate within their own series. They were designed so they could be used side by side with the regular BNC triax series but would not mate with them.

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 .2 MILLIOHMS max. silver or gold only
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)

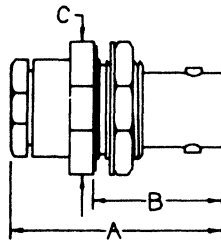
BNC TRIAX POLARIZED SERIES

BNC TRIAX PLUG — POLARIZED



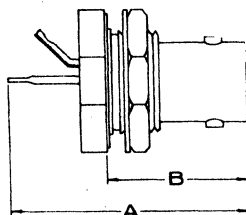
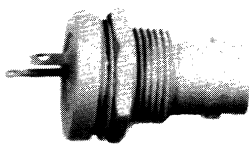
S/C Part No.	Triaxial Cable	Dimension		Engr. Data	Assy. Inst.
		A	B		
31P101-1	Microdot 250-4070	1-15/16	1/2	3 Lug-Crimp Braid	AI-16
31P101-2	Microdot 295-3996	1-15/16	1/2	3 Lug-Crimp Braid	AI-16
31P104-1	Essex 621-106	1-27/64	1/2		AI-15
31P105-1	Essex 27-738	1-27/64	1/2		AI-15
31P106-1	Essex 21-204	1-27/64	1/2		
31P108-1	RG108A/U	1-13/32	1/2	Straight Cut Style	AI-90
31P109-1	RG108A/U	1-13/32	1/2	3 Lug Str. Cut Style	AI-90
31P110-1	CoAxCo 1102	1-27/64	1/2		AI-92

BNC TRIAX JACK — POLARIZED — SINGLE HOLE MOUNT



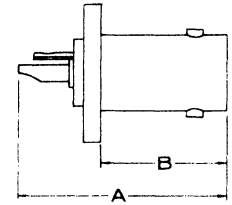
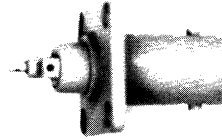
S/C Part No.	Triaxial Cable	Dimension			Mtg. Hole	Engr. Angr. Data	Assy. Inst.
		A	B	C			
31JS102-1	Microdot 250-4070	1-7/16	43/64	11/16	D4	3 Lug	AI-15
31JS102-2	Microdot 295-3996	1-7/16	43/64	11/16	D4	3 Lug	AI-15
31JS103-1	Essex 21-738	1-7/16	43/64	11/16	D4		AI-15

BNC TRIAX JACK RECEPTACLE — POLARIZED — SINGLE HOLE MOUNT



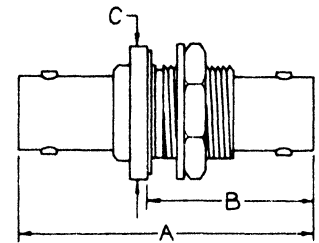
S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
31JR100-1	1-19/64	53/64	D4	Herm. Sealed 3 Lug
31JR101-1	1-19/64	53/64	D4	Herm. Sealed

BNC TRIAX JACK RECEPTACLE — POLARIZED — FLANGE MOUNT



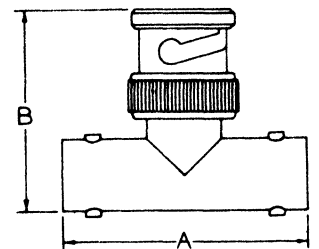
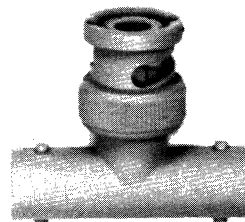
S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
31JR102-1	1-5/64	5/8	3B	

BNC TRIAX ADAPTER STRAIGHT — POLARIZED — SINGLE HOLE MOUNT



S/C Part No.	Adapter Ends	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
31AS100-1	Jack-Jack	1-25/64	47/64	11/16	D4	Herm. Seal

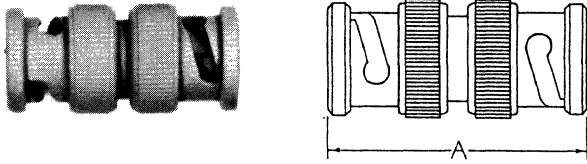
BNC TRIAX ADAPTER TEE — POLARIZED



S/C Part No.	Adapter Ends	Dimension		Engr. Data
		A	B	
31AT100-1	Jack-Plug-Jack	1-9/32	1-3/32	Cube Const.

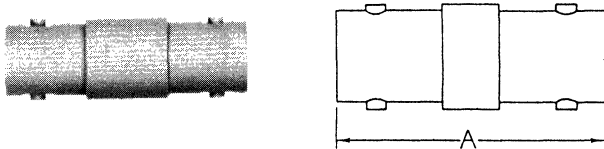
BNC TRIAX POLARIZED SERIES

BNC TRIAX ADAPTER — PLUG-PLUG — POLARIZED



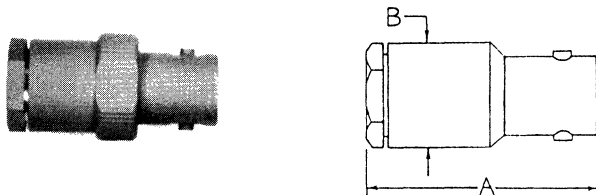
S/C Part No.	Dimension	Engr. Data
	A	
31A101-1	1-9/16	3 Lug
31A101-2	1-9/16	

BNC TRIAX ADAPTER — JACK-JACK — POLARIZED



S/C Part No.	Dimension	Engr. Data
	A	
31A100-1	1-23/64	3 Lug
31A100-2	1-23/64	

BNC TRIAX JACK — POLARIZED



S/C Part No.	Triaxial Cable	Dimension		Engr. Angr. Data	Assy. Inst.
		A	B		
31J101-1	Essex 21-738	1-7/16	9/16 HEX		AI-15

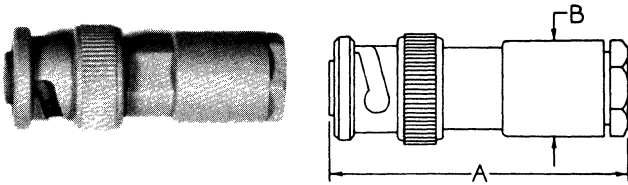
BNC HIGH VOLTAGE SERIES

This series is also known as the MHV series. It has the appearance of the BNC series but will not mate with the BNC's. It is designed to operate at 5000 Volts and is weatherproof. They have a non-constant impedance and are generally used below 50 MHz.

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 Dielectric Withstanding Voltage rating: 5000 VRMS Contact resistance: Center 2.0 MILLIOHMS max. Outer .2 MILLIOHMS max. silver or gold only
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)

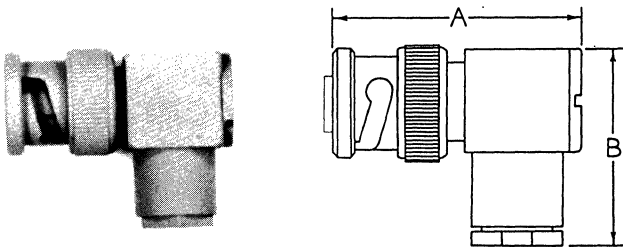
BNC HIGH VOLTAGE SERIES

BNC PLUG — HI VOLTAGE



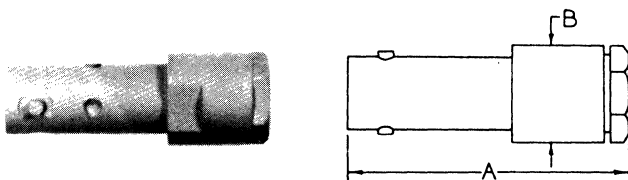
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension		Engr. Data
			A	B	
22P100-1	UG-932A/U	59,62,71 140,210	1-1/2	1/2	Improved Hdwe. W/O Washer
22P100-2		55,58,141 142,223	1-1/2	1/2	Improved Hdwe. W/O Washer
22P101-1		58,141	1-15/16	1/2	Crimp On
22P101-2		59,62	1-15/16	1/2	Crimp On
22P104-1		122,195	1-1/2	1/2	Improved Hdwe.
22P108-1		174,316	1-1/2	1/2	Improved Hardware

BNC PLUG — HI VOLTAGE — RIGHT ANGLE



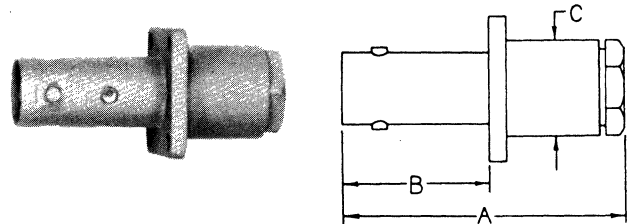
S/C Part No.	Cable RG-/U	Dimension		Engr. Data
		A	B	
22P111-1	59	1-1/4	1	Crimp On Style
22P115-1	59	1-37/64	1-29/64	

BNC JACK — HI VOLTAGE



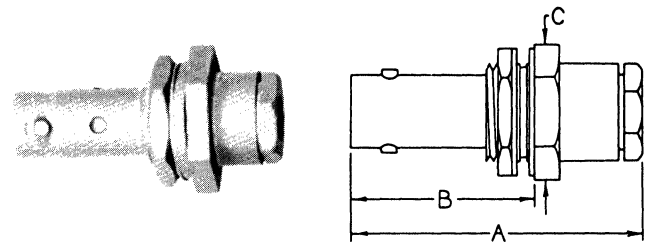
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension		Engr. Data
			A	B	
22J100-1	UG-1016A/U	59,62,71	1-7/16	1/2	
22J100-2		55,58	1-7/16	1/2	

BNC JACK — FLANGE MOUNT — HI VOLTAGE



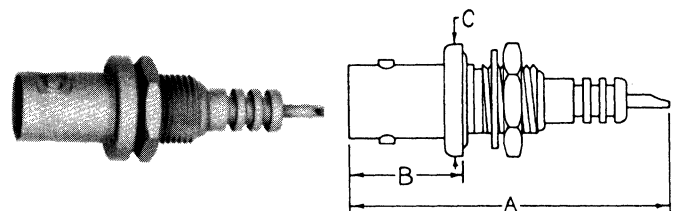
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension			Mtg. Plate	Engr. Data
			A	B	C		
22JF100-1		55,58,141 142,223	1-1/2	49/64	1/2	3A	Improved Hdwe.
22JF100-2		122,195	1-1/2	49/64	1/2	3A	Improved Hdwe.
22JF102-1	UG-961A/U	59,62,71	1-1/2	49/64	1/2	3A	Improved Hdwe.

BNC JACK — SINGLE HOLE MOUNT — HI VOLTAGE



S/C Part No.	UG-/U No.	Cable RG-/U	Dimension			Mtg. Hole	Engr. Data
			A	B	C		
22JS100-1		55,58	1-13/32	61/64	11/16	D4	Crimp On
22JS101-1		58	1-31/32	61/64	11/16	D4	
22JS102-1		59,62,71	1-13/32	61/64	11/16	D4	
22JS103-1		59,62	1-7/16	61/64	3/4	D3	

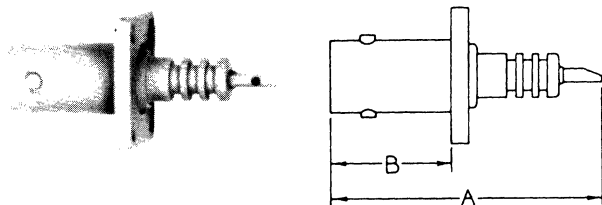
BNC JACK RECEPTACLE — SINGLE HOLE MOUNT — HI VOLTAGE



S/C Part No.	UG-/U No.	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
22JR103-1		1-43/64	19/32	.57	DD2	Reverse Mount Herm. Seal. Solder Lug
22JR104-1		1-7/16	27/32	11/16	D4	
22JR106-1		1-1/4	19/32	.57	D8	
22JR112-1		1-27/64	15/32	1/2	D8	
22JR113-1		1-43/64	19/32	.57	D8	

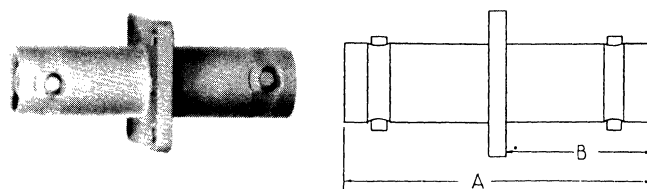
BNC HIGH VOLTAGE SERIES

BNC JACK RECEPTACLE — FLANGE MOUNT — HI VOLTAGE



S/C Part No.	UG-U No.	Dimension		Mtg. Plate	Engr. Data
		A	B		
22JR100-1	UG-931/U	1-27/64	5/8	3A	
22JR105-1		1-27/64	5/8	2B	

BNC FLANGE MOUNT FEED THRU HI VOLTAGE



S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
22AF100-1	1-1/2	45/64	3A	

TNC SERIES

The TNC series connectors are the same as the improved BNC series except they incorporate a threaded coupling sleeve in place of the bayonet sleeve of the BNC series. The treaded coupling sleeve improves the vibration characteristics and the resistance to RF leakage over the BNC series.

They are made to MIL-C-39012 and many styles and variations are available. The plugs incorporate safety wiring holes in the coupling sleeve so that they may be wired in place in severe vibration conditions. The series incorporates designs to fit all popular size coaxial cables. The various styles are designed to be weatherproof.

MATERIALS:

Body parts: Brass per QQ-B-626, 1/2 HD.
 Contacts: Male: Brass
 Female: Beryllium Copper per QQ-C-530
 Insulator: TFE Fluorocarbon per L-P-403
 Gaskets: Silicone rubber per ZZ-R-765

FINISH:

All parts plated to meet finish and corrosion requirements of MIL-C-39012.
 Gold plating per MIL-G-45204.
 Proprietary bright nickel (IP23).
 Silver plating per QQ-S-365.

MECHANICAL:

Force to Engage and Disengage: Torque 2 in. lb. max.
 Coupling nut Retention Force: 100 lb. min.
 Coupling Proof Torque: 30 in. lb. min.
 Connector Durability: 500 cycles min.

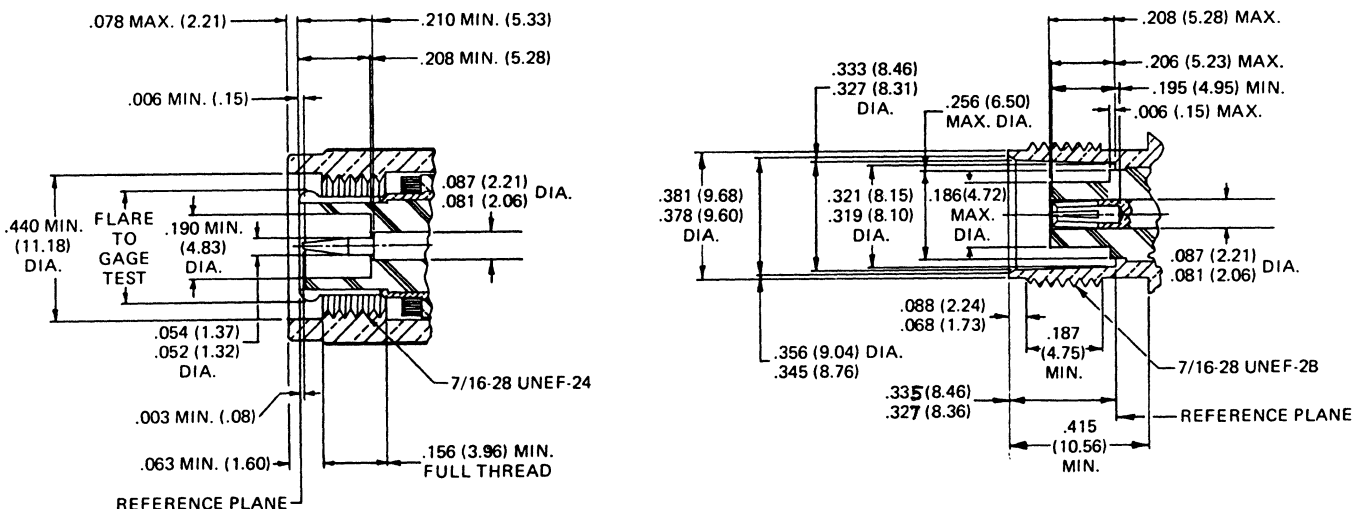
ELECTRICAL:

Impedance: 50 ohms nominal
 Frequency Range: DC to 18 GHZ
 Insulation Resistance: 5,000 Megohms min.
 Voltage Rating: 500 VRMS
 Dielectric Withstanding Voltage:
 1,500 VRMS at sea level
 R.F. leakage: - (90 - FGHZ) dB max.
 R.F. High Potential Withstanding Voltage:
 1,000 VRMS at 5 MHZ
 Voltage standing wave ratio (VSWR):
 1.07 + .007 F(GHZ) max.
 Insertion loss: $0.5 \sqrt{FGHZ}$ dB max.
 Contact Resistance:
 Outer contact: .2 Milliohms max.
 Center contact: 1.5 Milliohms max.

ENVIRONMENTAL:

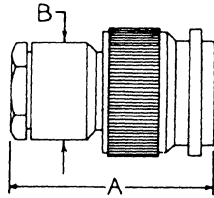
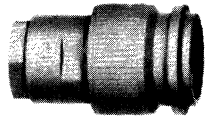
Temperature rating: - 65°C to + 165°C
 Vibration: MIL-STD-202, method 204, cond. D 20G's
 Shock: MIL-STD-202, method 213, cond. I (100G's)
 Thermal shock: MIL-STD-202, method 107, cond. B
 (- 65°C to + 115°C)
 Corrosion (salt spray): MIL-STD-202, method 101,
 cond. B
 Moisture Resistance: MIL-STD-202, method 106

INTERFACE DIMENSIONS PER MIL-C-39012



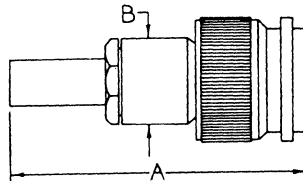
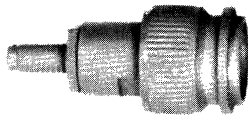
TNC SERIES

TNC PLUG — STRAIGHT



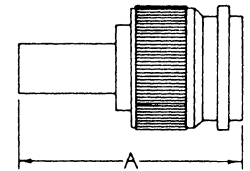
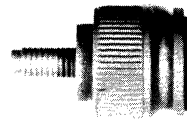
S/C Part No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
		A	B		
24P100-1	58	1-3/64	1/2	Straight Cut Style Hardware	AI-12
24P100-2	59	1-3/64	1/2	Straight Cut Style Hardware	AI-12
24P100-3	174	1-3/64	1/2	Straight Cut Style Hardware	AI-12
24P100-4	223	1-3/64	1/2	Straight Cut Style Hardware	AI-12
24P100-5	180,195	1-1/16	1/2	Straight Cut Style	AI-12
24P100-7	303	1-1/16	1/2	Straight Cuty Style	AI-12
24P101-1	55,58,141 142,223	1-3/64	1/2	Improved Hdwe. W/O Washer	AI-14
24P101-2	174,179A 187,188	1-3/64	1/2	Improved Hdwe. W/O Washer	AI-14
24P101-3	180,185	1-3/64	1/2	Improved Hdwe. W/O Washer	AI-14
24P101-4	179	1-3/64	1/2	Improved Hdwe. W/O Washer	AI-14
24P104-1	.141 OD	1-3/64	1/2	Plug-in Semi-Rigid Cable	AI-21
24P104-2	.085 OD	1-3/64	1/2	Plug-in Semi-Rigid Cable	AI-21
24P104-3	.250 OD	1-3/64	1/2	Plug-in Semi-Rigid Cable	AI-21
24P104-4	.215 OD	1-3/64	1/2	Plug-in Semi-Rigid Cable	AI-21
24P105-1	55,58,141 142,223	1-3/64	1/2	Captive Contact Improved Hdwe.	AI-20
24P107-1	59,62,71	1-3/64	1/2	Captive Contact Improved Hdwe.	AI-20
24P113-1	55,58,141 142,223	1-3/64	1/2	Improved Hdwe.	AI-14
24P114-1	59,62,71 210	1-3/64	1/2	Improved Hdwe.	AI-14
24P116-1	8,9,213 214	1-5/8	3/4	Improved Hdwe.	AI-87
24P140-1	8,213	1/9/16	3/4	Straight Cut Style	AI-81
24P140-2	9,214	1-9/16	3/4	Straight Cut Style	AI-81
24P146-1	.141 S.R.	49/64		Solder on Style	
24P153-1	8,9,213 214	1-5/8	3/4	Captive Contact	AI-50
24P158-1	179,316	1-1/16	1/2	Straight Cut Style	

TNC PLUG — STRAIGHT — LONG CRIMP



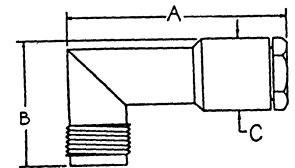
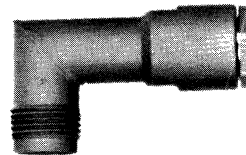
S/C Part No.	Cable RG-U	Dimension		Crimp Tool	Engr. Data	Assy. Inst.
		A	B			
24P102-1	58,141	1-1/2	1/2	.213 HEX	Captive Contact	AI-37
24P102-2	59,62,140	1-1/2	1/2	.255 HEX	Captive Contact	AI-37
24P102-3	55,142	1-1/2	1/2	.213 HEX	Captive Contact	AI-37
24P102-4	71	1-1/2	1/2	.268 HEX	Captive Contact	AI-37
24P102-5	122	1-1/2	1/2	.178 HEX	Captive Contact	AI-37

TNC PLUG — STRAIGHT — SHORT CRIMP



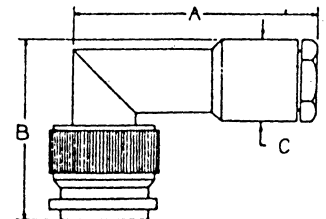
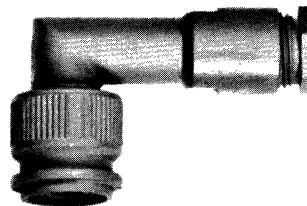
S/C Part No.	Cable RG-U	Dimension		Crimp Tool	Engr. Data	Assy. Inst.
		A				
24P103-1	58,141	1-11/64		.213 HEX		AI-26
24P103-2	59,62,140	1-11/64		.255 HEX		AI-26
24P103-3	55,142	1-11/64		.213 HEX		AI-26
24P142-1	174,316	1-11/64		.178 HEX		
24P167-1	58,303	1-1/8		.213 HEX	Crimp Captive Contact	
24P167-2	59	1-1/8		.255 HEX	Crimp Captive Contact	
24P172-1	8,213	1-11/16		.429 HEX	Crimp Captive Contact	
24P172-2	9,214	1-11/16		.429 HEX	Crimp Captive Contact	

TNC JACK — RIGHT ANGLE



S/C Part No.	Cable RG-U	Dimension			Engr. Data	Assy. Inst.
		A	B	C		
24J114-1	58	1-15/32	55/64	1/2	Straight Cut Style	AI-12
24J114-3	59,62	1-15/32	55/64	1/2	Straight Cut Style	AI-12

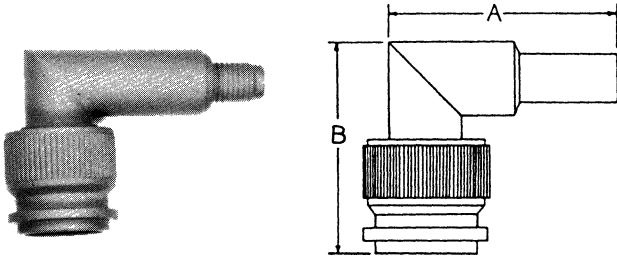
TNC PLUG — RIGHT ANGLE



S/C Part No.	Cable RG-U	Dimension			Engr. Data	Assy. Inst.
		A	B	C		
24P112-1	55,58,141 142,223	1-9/16	1-3/32	1/2	Captive Contact Improved Hdwe.	AI-20
24P118-1	55,58,141 142,223	1-9/16	1-3/32	1/2	Improved Hdwe.	AI-14
24P134-1	58	1-9/16	1-3/32	1/2	Straight Cut Style	AI-12
24P134-2	59	1-9/16	1-3/32	1/2	Straight Cut Style	AI-12
24P134-3	174,316	1-9/16	1-3/32	1/2	Straight Cut Style	AI-12
24P134-4	223	1-9/16	1-3/32	1/2	Straight Cut Style	AI-12
24P155-1	9,214	1-37/64	1-7/32	3/4	Straight Cut Style	AI-81
24P155-2	8,213	1-37/64	1-7/32	3/4	Straight Cut Style	AI-81
24P159-1	8,9,213 214	1-53/64	1-7/32	3/4	Captive Contact Improved Hdwe.	AI-33
24P165-1	.141 S.R.	1-21/32	1-7/32	3/4	Solder on Bushing	
24P165-2	.085 S.R.	1-21/32	1-7/32	3/4	Solder on Bushing	

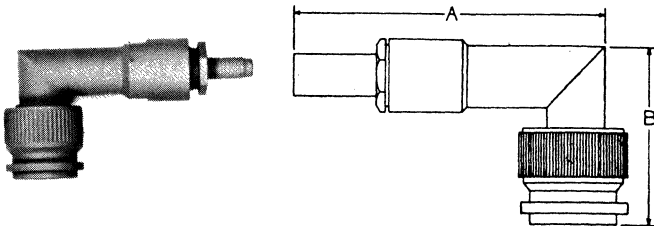
TNC SERIES

TNC PLUG — RIGHT ANGLE — SHORT CRIMP



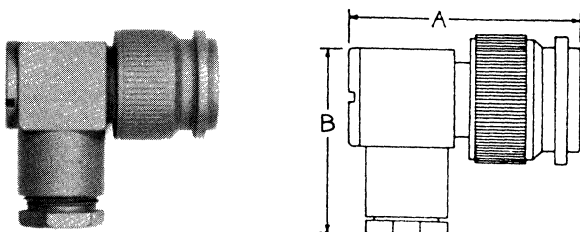
S/C Part No.	Cable RG-/U	Dimension		Crimp Tool	Engr. Data	Assy. Inst.
		A	B			
24P120-1	58,141	1-17/32	1-1/32	.213 HEX	Improved	AI-26
24P120-2	59,62,140	1-17/32	1-1/32	.255 HEX	Improved	AI-26
24P120-3	55,142,223	1-17/32	1-1/32	.213 HEX	Improved	AI-26
24P120-4	71	1-17/32	1-1/32	.268 HEX	Improved	AI-26
24P171-2	58	1-5/8	1-1/32	.213 HEX	Crimp Captive Contact	
24P171-3	223	1-5/8	1-1/32	.213 HEX	Crimp Captive Contact	
24P171-4	180,195	1-5/8	1-1/32	.178 HEX	Crimp Captive Contact	
24P173-1	8,213	1-23/32	1-1/8	.429 HEX	Crimp Captive Contact	
24P173-2	9,214	1-23/32	1-1/8	.429 HEX	Crimp Captive Contact	

TNC PLUG — RIGHT ANGLE — LONG CRIMP



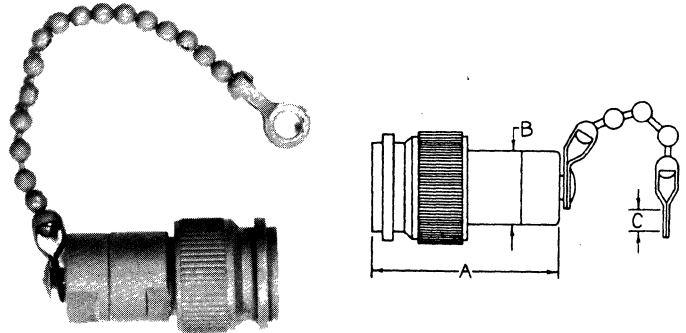
S/C Part No.	Cable RG-/U	Dimension		Crimp Tool	Engr. Data	Assy. Inst.
		A	B			
24P119-1	58,141	1-27/32	1-3/32	.213 HEX	Captive Contact-Improved	AI-37
24P119-2	59,62,140	1-27/32	1-3/32	.255 HEX	Captive Contact-Improved	AI-37
24P119-3	55,142,223	1-27/32	1-3/32	.213 HEX	Captive Contact Improved	AI-37
24P119-4	71	1-27/32	1-3/32	.268 HEX	Captive Contact-Improved	AI-37

TNC PLUG — RIGHT ANGLE



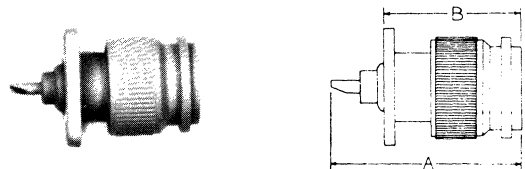
S/C Part No.	Cable RG-/U	Dimension		Engr. Data
		A	B	
24P108-1	55,58	1-3/16	1	Improved Hardware

TNC PLUG TERMINATION



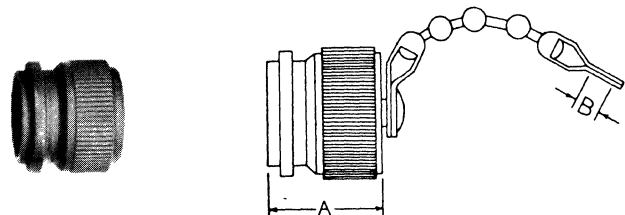
S/C Part No.	Resistor 5%		Dimension			Engr. Data
	Ohm	Watt	A	B	C	
24PO100-1	100	1/2	1-3/16	1/2	.144	With 3-1/2" Bead Chain
24PO100-2	51	1/2	1-3/16	1/2	.144	With 3-1/2" Bead Chain
24PO100-3	75	1/2	1-3/16	1/2	.144	With 3-1/2" Bead Chain
24PO100-4	91	1/2	1-3/16	1/2	.144	With 3-1/2" Bead Chain
24PO100-5	510	1/2	1-3/16	1/2	.144	With 3-1/2" Bead Chain
24PO100-6	1000	1/2	1-3/16	1/2	.144	With 3-1/2" Bead Chain
24PO103-2	75	1/2	1-3/16	1/2		No Chain

TNC PLUG RECEPTACLE — FLANGE MOUNT



S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
24PR104-1	1-3/16	55/64	2C	Improved .062 ID Solder Pot
24PR105-1	1-3/16	27/32	1A	Improved .062 ID Solder Pot
24PR106-1	1-3/16	27/32	2B	Improved .062 ID Solder Pot

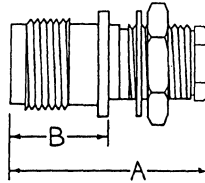
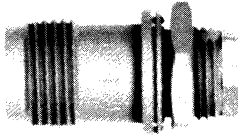
TNC PLUG CAP



S/C Part No.	Dimension		Engr. Data
	A	B	
24PC100-1	19/32		No Chain
24PC101-1	19/32	.144	2-1/2" Bead Chain
24PC106-1	37/64		Shorting Cap - No Chain
24PC107-1	37/64	.144	Shorting Cap with 2-1/2" Chain

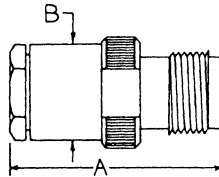
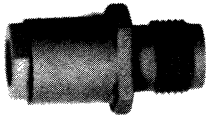
TNC SERIES

TNC JACK — SINGLE HOLE REVERSE MOUNT



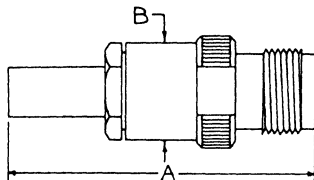
S/C Part No.	Cable RG-/U	Dimension		Mtg. Hole	Engr. Data	Assy. Inst.
		A	B			
24JS141-1	.085 DIA	29/32	9/16	D8	Solder Bushing - Plug in Contact	AI-65
24JS141-2	.141 DIA	29/32	9/16	D8	Solder Bushing - Plug in Contact	AI-65

TNC JACK



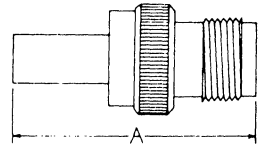
S/C Part No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
		A	B		
24J102-1	58	1-1/8	1/2	Straight Cut Hdwe.	AI-12
24J102-2	59	1-1/8	1/2	Straight Cut Hdwe.	AI-12
24J102-5	223	1-1/8	1/2	Straight Cut Hdwe.	AI-12
24J102-7	180,195	1-1/8	1/2	Straight Cut Hdwe.	AI-12
24J102-9	303	1-1/8	1/2	Straight Cut Hdwe.	AI-12
24J104-1	55,58,223	1-1/8	1/2	Improved	AI-14
24J105-1	59,62,71	1-1/8	1/2	Improved	AI-14
24J112-1	5,212	1-7/16	3/4	Straight Cut Hdwe.	AI-81
24J112-4	9,214	1-7/16	3/4	Straight Cut Hdwe.	AI-81
24J120-1	58,223	1-1/8	1/2	Improved Captive Contact	AI-20

TNC JACK — LONG CRIMP



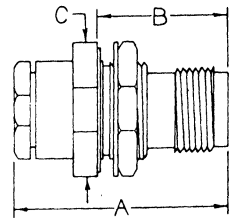
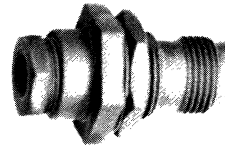
S/C Part No.	Cable RG-/U	Dimension		Crimp Tool	Engr. Data	Assy. Inst.
		A	B			
24J106-1	58,141	1-15/32	7/16	.213 HEX	Improved	AI-37
24J106-2	59,62,140	1-15/32	7/16	.255 HEX	Improved	AI-37
24J106-3	55,142,223	1-15/32	7/16	.213 HEX	Improved	AI-37
24J106-4	71	1-15/32	7/16	.268 HEX	Improved	AI-37

TNC JACK — SHORT CRIMP



S/C Part No.	Cable RG-/U	Dimension		Crimp Tool	Engr. Data	Assy. Inst.
		A				
24J107-1	58,141	1-15/64		.213 HEX	Improved	AI-26
24J107-2	59,62,140	1-15/64		.255 HEX	Improved	AI-26
24J107-3	55,142,223	1-15/64		.213 HEX	Improved	AI-26
24J118-2	58	1-3/16		.213 HEX	Crimp Captive Contact	
24J118-3	223	1-3/16		.213 HEX	Crimp Captive Contact	
24J118-4	180	1-3/16		.178 HEX	Crimp Captive Contact	
24J118-5	122	1-3/16		.178 HEX	Crimp Captive Contact	

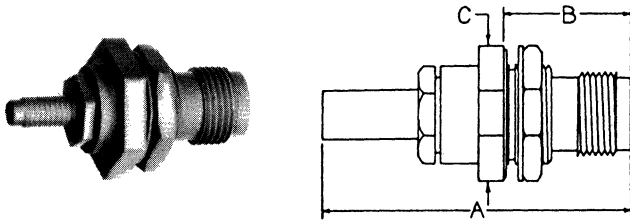
TNC JACK — SINGLE HOLE MOUNT



S/C Part No.	Cable RG-/U	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
		A	B	C			
24JS100-1	55,58	1-1/8	43/64	11/16	D4	Std. Hdwe.	AI-14
24JS101-1	58	1-7/16	3/4	5/8	D4	Str. Cut, Isolated Grnd.	AI-12
24JS101-2	59,62	1-7/16	3/4	5/8	D4	Str. Cut, Isolated Grnd.	AI-12
24JS106-1	187,188	1-1/8	53/64	11/16	D4	Std. Hdwe.	AI-14
24JS106-2	178,196	1-1/8	53/64	11/16	D4	Std. Hdwe.	AI-14
24JS109-1	59,62,71	1-1/8	43/64	11/16	D4	Std. Hdwe.	AI-14
24JS113-1	58	1-15/32	3/4	5/8 dia	D4	Iso. Grnd., Std. Hdwe.	AI-14
24JS113-2	59	1-15/32	3/4	5/8 dia	D4	Iso. Grnd., Std. Hdwe.	AI-14
24JS113-3	187,316	1-15/32	3/4	5/8 dia	D4	Iso. Grnd., Std. Hdwe.	AI-14
24JS113-4	180,195	1-15/32	3/4	5/8 dia	D4	Iso. Grnd., Std. Hdwe.	AI-14
24JS115-1	174,316	1-1/8	13/16	11/16	D4	Captive Contact	
24JS117-1	.141 dia SR	1-1/8	13/16	11/16	D4	Plug-in Style	AI-21
24JS117-2	.085 dia SR	1-1/8	13/16	11/16	D4	Plug-in Style	AI-21
24JS117-3	.250 dia SR	1-1/8	13/16	11/16	D4	Plug-in Style	AI-21
24JS121-1	58	1-1/8	43/64	11/16	D4	Straight Cut Style	AI-12
24JS121-2	59	1-1/8	43/64	11/16	D4	Straight Cut Style	AI-12
24JS121-3	174,316	1-1/8	43/64	11/16	D4	Straight Cut Style	AI-12
24JS121-4	223	1-1/8	43/64	11/16	D4	Straight Cut Style	AI-12
24JS121-8	180,195	1-1/8	43/64	11/16	D4	Straight Cut Style	AI-12
24JS121-10	303	1-1/8	43/64	11/16	D4	Straight Cut Style	AI-12
24JS128-1	58,223	1-1/8	43/64	11/16	D4	Captive Contact	AI-20
24JS132-1	9,214	1-1/2	13/16	3/4	D4	Straight Cut Style	AI-81
24JS132-2	8,213	1-1/2	13/16	3/4	D4	Straight Cut Style	AI-81
24JS137-1	.141 S.R.	1-1/8	43/64	11/16	D4	Solder on Bushing	
24JS137-2	.085 S.R.	1-1/8	43/64	11/16	D4	Solder on Bushing	

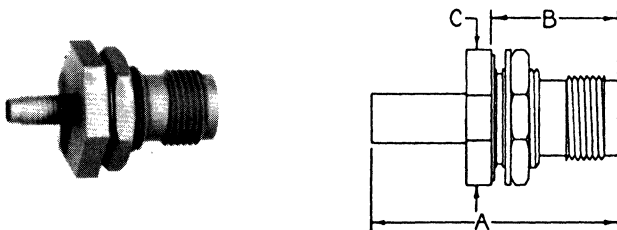
TNC SERIES

TNC JACK — SINGLE HOLE MOUNT — LONG CRIMP



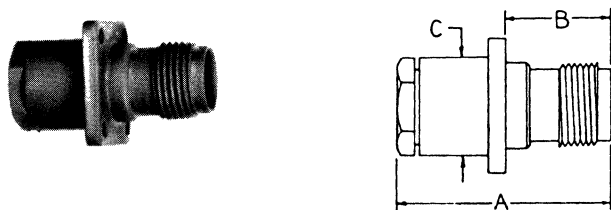
S/C Part No.	Cable RG-/U	Dimension			Mtg. Hole	Crimp Tool	Engr. Data	Assy. Inst.
		A	B	C				
24JS102-1	58	1-25/32	3/4	5/8 dia	D4	.213 HEX	Isolated Grnd.	AI-37
24JS102-2	59,62	1-25/32	3/4	5/8 dia	D4	.255 HEX	Isolated Grnd.	AI-37
24JS102-3	187,316	1-25/32	3/4	5/8 dia	D4	.128 HEX	Isolated Grnd.	AI-37
24JS110-1	58,141	1-1/2	43/64	11/16	D4	.213 HEX	Improved	AI-37
24JS110-2	59,62,140	1-1/2	43/64	11/16	D4	.255 HEX	Improved	AI-37

TNC JACK — SINGLE HOLE MOUNT — SHORT CRIMP



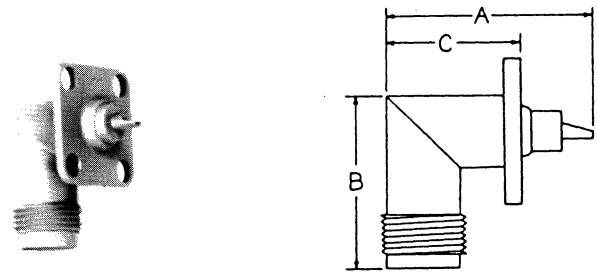
S/C Part No.	Cable RG-/U	Dimension			Mtg. Hole	Crimp Tool	Engr. Data	Assy. Inst.
		A	B	C				
24JS111-1	58,141	1-5/16	43/64	11/16	D4	.213 HEX	Improved	AI-26
24JS111-2	59,62,140	1-5/16	43/64	11/16	D4	.255 HEX	Improved	AI-26
24JS142-1	58	1-3/8	13/16	11/16	D4	.213 HEX	Crimp Captive Contact	
24JS142-2	59,62	1-3/8	13/16	11/16	D4	.255 HEX	Crimp Captive Contact	
24JS145-1	9,214	1-17/32	13/16	11/16	D4	.429 HEX	Crimp Captive Contact	
24JS145-2	8,213	1-17/32	13/16	11/16	D4	.429 HEX	Crimp Captive Contact	

TNC JACK — FLANGE MOUNT



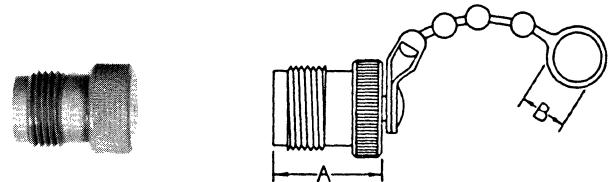
S/C Part No.	Cable RG-/U	Dimension			Mtg. Plate	Engr. Data	Assy. Inst.
		A	B	C			
24JF101-1	55,58,141 142,223	1-1/8	35/64	1/2	2B	Improved	AI-14
24JF102-1	55,58,141 142,223	1-1/8	35/64	1/2	3A	Improved	AI-14
24JF103-1	58	1-1/8	35/64	1/2	3A	Straight Cut Style	AI-12
24JF103-2	59	1-1/8	35/64	1/2	3A	Straight Cut Style	AI-12
24JF103-3	174,316	1-1/8	35/64	1-2	3A	Straight Cut Style	AI-12
24JF103-4	223	1-1/8	35/64	1/2	3A	Straight Cut Style	AI-12
24JF106-1	.141 S.R.	1-1/8	35/64	1/2	3A	Plug in Style	AI-21
24JF106-2	.085 S.R.	1-1/8	35/64	1/2	3A	Plug in Style	AI-21

TNC JACK RECEPTACLE — RIGHT ANGLE — FLANGE MOUNT



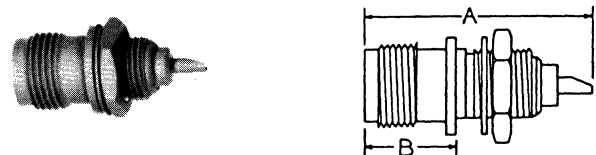
S/C Part No.	Dimension			Mtg. Plate	Engr. Data
	A	B	C		
24JR119-1	29/32	29/32	39/64	2B	.059 ID Solder Pot
24JR173-1	29/32	29/32	39/64	3B	.059 ID Solder Pot

TNC JACK CAP & CHAIN



S/C Part No.	Dimension		Engr. Data
	A	B	
24JC100-1	37/64	9/32	3" Bead Chain
24JC102-1	21/32		Shorting Cap - No Chain

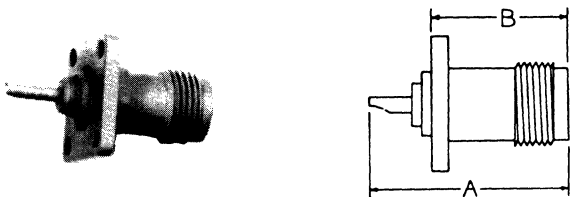
TNC JACK RECEPTACLE — SINGLE HOLE MOUNT



S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
24JR104-1	1-1/16	31/64	D4	Isolated Ground
24JR105-1	1-1/16	3/4	D4	Isolated Ground-Reverse Mount
24JR113-1	1-1/16	15/32	D8	Improved .062 ID Solder Pot
24JR118-1	1-3/16	15/32	D8	Improved .062 ID Solder Pot
24JR120-1	1-1/16	31/64	D6	Improved .062 ID Solder Pot
24JR161-1	1-3/64	33/64	D7	Herm. Sealed
24JR170-1	1-1/16	15/32	D5	M39012/31-0001
24JR170-2	1-3/16	15/32	D8	M39012/31-0002

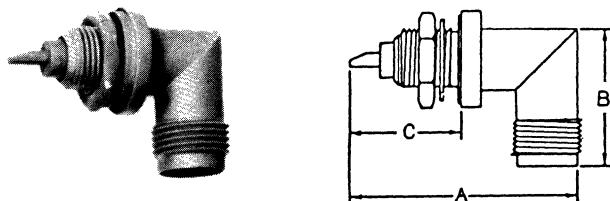
TNC SERIES

TNC JACK RECEPTACLE — FLANGE MOUNT



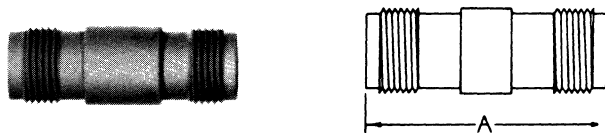
S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
24JR112-1	1-1/16	43/64	2B	Improved .062 ID Solder Pot
24JR122-1	1-5/32	23/32	3C	Improved .062 ID Solder Pot
24JR124-1	1-1/16	23/32	3A	Improved .062 ID Solder Pot
24JR144-1	1-1/16	45/64	1A	Improved .062 ID Solder Pot
24JR160-1	7/8	17/32	3A	Improved .062 ID Solder Pot

TNC JACK RECEPTACLE — RIGHT ANGLE — SINGLE HOLE MOUNT



S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
24JR125-1	1-11/32	13/16	3/4	D7	Improved .062 ID Solder Pot

TNC ADAPTER



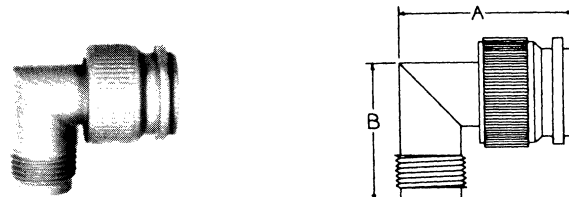
S/C Part No.	Adapter Ends	Dimension	Engr. Data
		A	
24A100-1	Jack-Jack	1-9/32	Improved

TNC ADAPTER



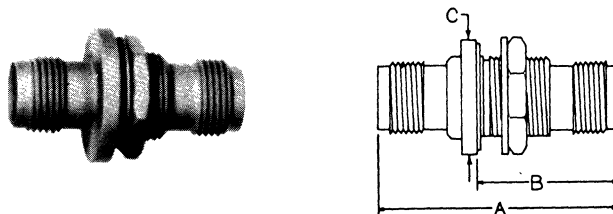
S/C Part No.	Adapter Ends	Dimension	Engr. Data
		A	
24A101-1	Plug-Plug	1-15/64	Improved

TNC ADAPTER — RIGHT ANGLE



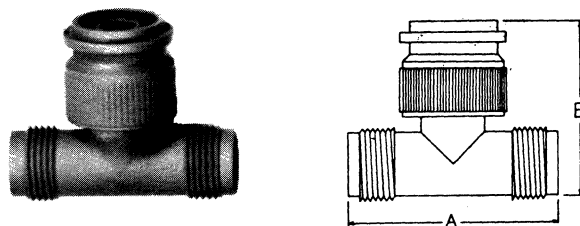
S/C Part No.	Adapter Ends	Dimension		Engr. Data
		A	B	
24AR100-1	Plug-Jack	1-1/32	51/64	Improved

TNC ADAPTER — STRAIGHT — SINGLE HOLE MOUNT



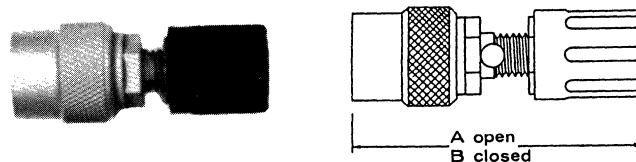
S/C Part No.	Adapter Ends	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
24AS101-1	Jack-Jack	1-25/64	47/64	11/16	D4	Herm. Sealed
24AS101-2	Jack-Jack	1-17/32	55/64	3/4	D4	Herm. Sealed
24AS102-1	Jack-Jack	1-9/32	51/64	5/8	D4	Isolated Ground
24AS104-1	Jack-Jack	1-9/32	47/64	3/4	D4	

TNC ADAPTER — TEE



S/C Part No.	Adapter Ends	Dimension		Engr. Data
		A	B	
24AT100-1	Jack-Plug-Jack	1-9/32	1-1/32	Improved
24AT102-1	Jack-Jack-Jack	1-9/32	57/64	

TNC PLUG — BINDING POST



S/C Part No.	Dimension		Engr. Data
	A	B	
24PB100-1	1-9/16	1-5/16	Accepts Banana Plug

TNC TRIAX SERIES

The TNC triax series is identical to the BNC triax except for the threaded coupling mechanism in place of the bayonet locking style of the BNC

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

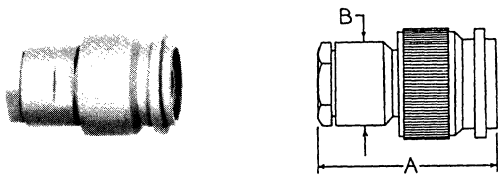
FINISHES: Silver plating per QQ-S-365
Gold plating per MIL-G-45204
Proprietary bright nickel (IP23)

ELECTRICAL: 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)

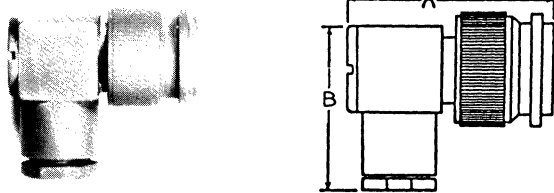
TNC TRIAx SERIES

TNC TRIAX PLUG



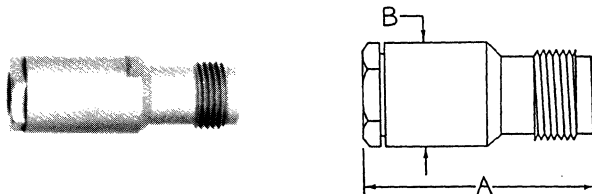
S/C Part No.	Triaxial Cable	Dimension		Engr. Data	Assy. Inst.
		A	B		
47P101-2	Essex 21-738	1-29/64	1/2	Straight Cut Style	AI-15
47P102-1	Essex 21-204	2	3/4		
47P104-1	TWC78-2	1-13/32	1/2		

TNC TRIAX PLUG — RIGHT ANGLE



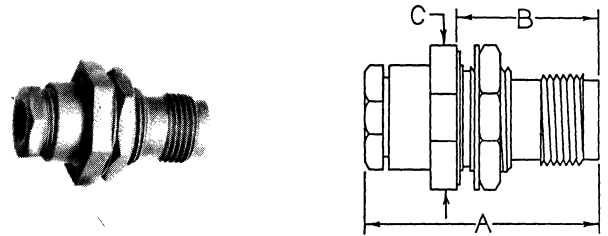
S/C Part No.	Triaxial Cable	Dimension		Engr. Data	Assy. Inst.
		A	B		
47P105-1	TWC78-2	1-11/64	1	Straight Cut Style	AI-89

TNC TRIAX JACK



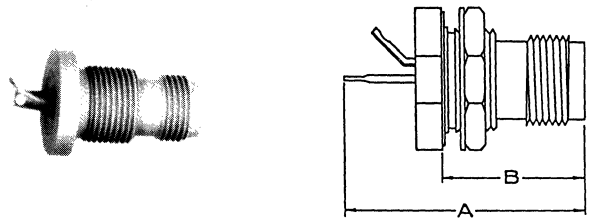
S/C Part No.	Triaxial Cable	Dimension		Engr. Data	Assy. Inst.
		A	B		
47J101-2	Essex 21-738	1-7/16	1/2		AI-15

TNC TRIAX JACK — SINGLE HOLE MOUNT



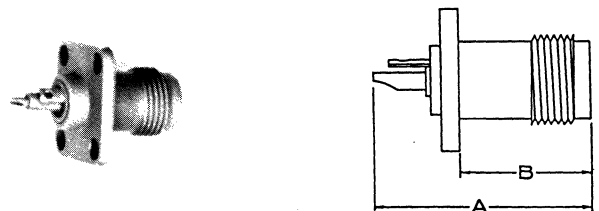
S/C Part No.	Triaxial Cable	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
		A	B	C			
47JS101-2	Essex 21-738	1-7/16	43/64	11/16	D4		AI-15

TNC TRIAX JACK RECEPTACLE — SINGLE HOLE MOUNT



S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
47JR102-1	1-1/4	27/64	D4	Reverse Mount
47JR103-1	1-19/64	53/64	D4	Hermetically Sealed
47JR104-1	1-1/4	53/64	D4	

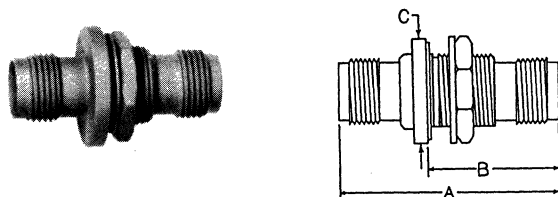
TNC TRIAX JACK RECEPTACLE — FLANGE MOUNT



S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
47JR101-1	1-5/64	35/64	2B	

TNC TRIAx SERIES

TNC TRIAX ADAPTER — JACK TO JACK — SINGLE HOLE MOUNT



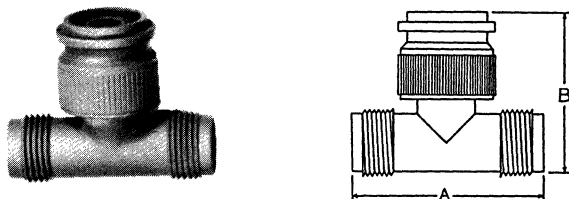
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
47AS101-1	1-25/64	47/64	11/16	D4	Hermetically Sealed

TNC TRIAX PLUG RECEPTACLE — SINGLE HOLE MOUNT



S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
47PR101-1	1-9/16	45/64	D4	

TNC TRIAX ADAPTER TEE



S/C Part No.	Adapter Ends	Dimension		Engr. Data
		A	B	
47AT101-1	Jack-Plug-Jack	1-9/32	1-3/32	Cube Const.
47AT102-1	Jack-Jack-Jack	1-9/32	55/64	Cube Const.

SMA SERIES

The SMA is a miniature connector series originally designed to be compatible with the small semi-rigid cables and yield very low VSWR at high frequencies. Other connectors have been developed in the series that accept flexible coaxial cables. The series has a screw thread coupling mechanism and features stainless steel shells for high strength and wear qualities, beryllium copper contacts and heavy gold plating throughout.

The series is covered by military specification MIL-C-39012.

MATERIALS:

Body Parts: Non-Magnetic stainless steel, per ASTM, class 303.

Contacts: Beryllium copper per QQ-C-530

Insulators: TFE Fluorocarbon per L-P-403

Gaskets: Silicone rubber per ZZ-R-765

FINISH:

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

Gold plating per MIL-G-45204.

Proprietary bright nickel (IP23).

Silver plating per QQ-S-365.

Passivated.

MECHANICAL:

Force to Engage and Disengage: Torque, 2 in.-lb. max.

Coupling nut Retention Force: 60 lbs. min.

Coupling Proof Torque: 15 in. - lb. min.

Mating Torque: 7 to 10 in. - lb.

Connector Durability: 500 Cycles min.

ELECTRICAL

Impedance: 50 OHMS nominal

Frequency Range: D.C. to 18 GHz

Insulation Resistance: 5000 MEGOHMS Min.

Voltage Rating: 335 VRMS with RG 58.

Dielectric Withstanding: 1500 VRMS at sea level

R.F. Leakage: - (100 - F GHz) dB max.

R.F. High Potential Withstanding Voltage:

1000 VRMS at 5 MHz

Voltage Standing Wave ratio (VSWR):

1.05 + .05 FGHZ Max.

Insertion Loss: .03 $\sqrt{\text{FGHZ}}$ db Max.

Contact Resistance: Outer contact: 3.0 milliohms max.

Center contact: 2.0 milliohms max.

ENVIRONMENTAL:

Temperature rating: - 65°C to + 165°C

Vibration: MIL-STD-202, method 204, cond. D (20 G's)

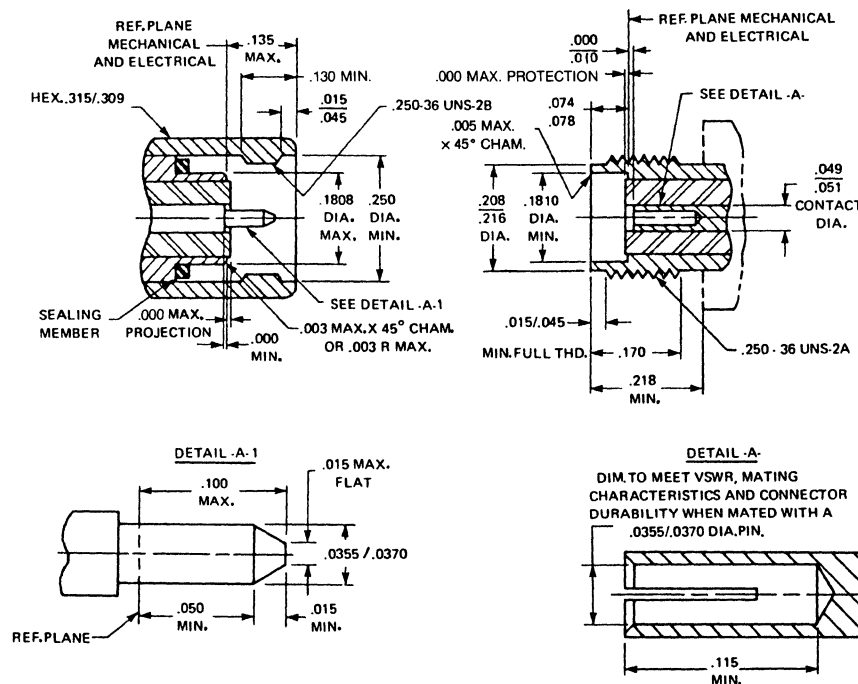
Shock: MIL-STD-202, method 213, cond. I (100 G's)

Thermal Shock: MIL-STD-202, method 107, cond. B
(- 65°C to + 115°C)

Corrosion (salt spray): MIL-STD-202, method 101,
cond. B

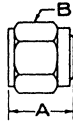
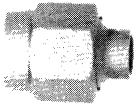
Moisture Resistance: MIL-STD-202, method 106

INTERFACE DIMENSIONS PER MIL-C-39012



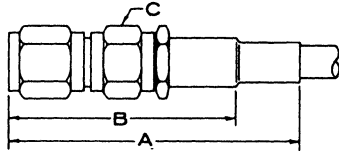
SMA SERIES

SMA CABLE PLUG — SOLDER ON — SEMI-RIGID CABLE



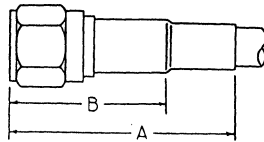
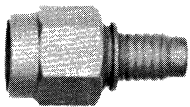
S/C Part No.	Cable RG-U	Dimension		Engr. Data
		A	B	
39P104-1	.141 DIA	.447	5/16 HEX	Direct Solder-on
39P106-1	.085 DIA	.437	5/16 HEX	Has Separate Contact
39P134-1	.141 DIA	7/16	5/16 HEX	Has Separate Contact

SMA CABLE PLUG — CRIMP



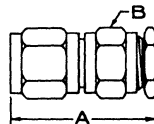
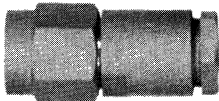
S/C Part No.	Cable RG-U	Crimp Tool	Dimension			Engr. Data
			A	B	C	
39P116-1	59,62	.255 HEX	1-5/16	1.0	5/16 HEX	Captive Contact

SMA CABLE PLUG — CRIMP



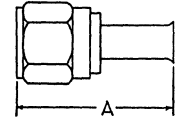
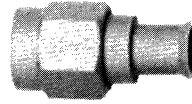
S/C Part No.	Cable RG-U	Crimp Tool	Dimension		Engr. Data
			A	B	
39P122-1	223	.213 HEX	1-1/16	47/64	
39P122-4	174,316	.128 HEX	1-1/16	47/64	

SMA CABLE PLUG — CLAMP



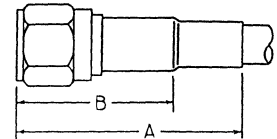
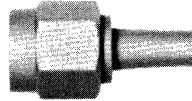
S/C Part No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
		A	B		
39P109-1	.141 dia	27/32	11/32 Rd	Solder Cont. - Clamp Jacket	
39P109-2	.085 dia	27/32	11/32 Rd	Solder Cont. - Clamp Jacket	
39P112-1	.141 dia	11/16	5/16 Hex	Solder Cont. - Solder Bushing on Jacket	
39P113-1	.141 dia	3/4	5/16 Rd	Solder Cont. - Clamp Jacket - Weatherproof	AI-59
39P113-2	.085 dia	3/4	5/16 Rd	Solder Cont. - Clamp Jacket - Weatherproof	AI-59
39P123-1	174,188	53/64	11/32 Hex	Straight Cut Style	AI-61
39P123-2	122	53/64	11/32 Hex	Straight Cut Style	AI-61
39P123-3	58,141	53/64	11/32 Hex	Straight Cut Style	AI-61
39P123-4	55,223	53/64	11/32 Hex	Straight Cut Style	AI-61
39P136-1	178,196	53/64	11/32 Hex	Straight Cut Style	AI-55

SMA CABLE PLUG — SOLDER ON



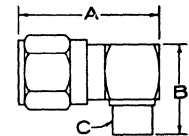
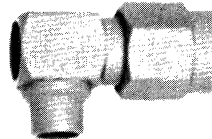
S/C Part No.	Cable RG-U	Dimension		Engr. Data
		A		
39P125-1	.085 DIA	17/32		Plug In Center Conductor - Solder Jacket
39P128-1	.141 DIA	5/8		Plug In Center Conductor - Solder Jacket

SMA CABLE PLUG — SOLDER BRAID



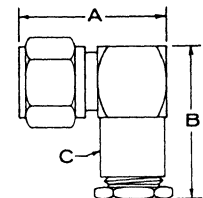
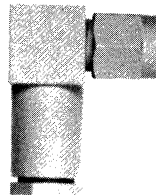
S/C Part No.	Cable RG-U	Dimension		Engr. Data
		A	B	
39P100-1	58,223	1-3/64	49/64	Solder Braid
39P101-1	174,188, 316	1-3/32	11/16	Solder Braid

SMA CABLE PLUG — SOLDER ON



S/C Part No.	Cable RG-U	Dimension		Engr. Data
		A	B	
39P105-1	.141 dia	43/64	7/16	Direct Solder On
39P107-1	.085 dia	43/64	7/16	Direct Solder On

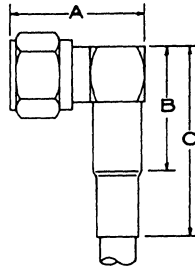
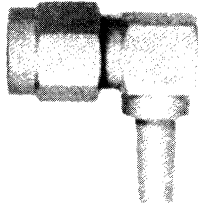
SMA CABLE PLUG — RIGHT ANGLE — CLAMP



S/C Part No.	Cable RG-U	Dimension			Engr. Data	Assy. Inst.
		A	B	C		
39P115-1	.141 dia	11/16	7/8	5/16 dia	Clamp On Jacket Weatherproof	
39P117-1	58	45/64	57/64	11/32 dia	Straight Cut Style	AI-61
39P117-2	142	45/64	57/64	11/32 dia	Straight Cut Style	AI-61

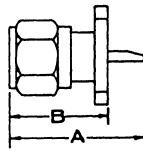
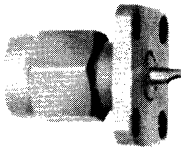
SMA SERIES

SMA CABLE PLUG — RIGHT ANGLE



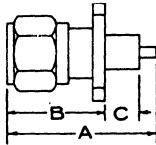
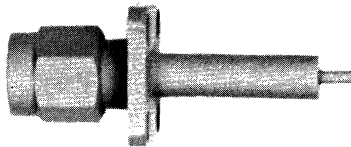
S/C Part No.	Cable RG-U	Crimp Tool	Dimension			Engr. Data
			A	B	C	
39P102-1	58,223		43/64	5/8	7/8	Solder on Style
39P103-1	174,316		43/64	7/16	3/4	Solder on Style
39P121-1	55,142	.213 HEX	43/64	11/32	15/16	Crimp on Style
39P121-4	174,316	.128 HEX	43/64	11/32	13/16	Crimp on Style

SMA PLUG RECEPTACLE — FLANGE MOUNT



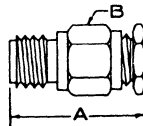
S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
39PR103-1	45/64	1/2	5A	Fixed, Solder Pot Contact

SMA PLUG RECEPTACLE — FLANGE MOUNT



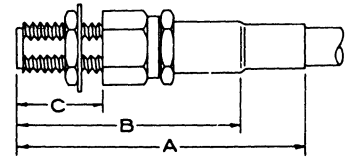
S/C Part No.	Dimension			Mtg. Plate	Engr. Data
	A	B	C		
39PR101-1	1.212	.507	.590	5A	Fixed Contact
39PR101-2	.995	.507	.330	5A	Fixed Contact

SMA CABLE JACK — CLAMP



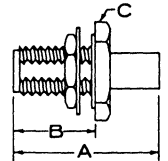
S/C Part No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
		A	B		
39J106-1	.141 dia	21/32	5/16 HEX	Solder Bushing to Jacket	
39J108-1	174	13/16	11/32 HEX	Straight Cut Style	Al-61
39J108-2	122	13/16	11/32 HEX	Straight Cut Style	Al-61
39J108-3	58	13/16	11/32 HEX	Straight Cut Style	Al-61
39J108-4	223	13/16	11/32 HEX	Straight Cut Style	Al-61

SMA CABLE JACK — SINGLE HOLE MOUNT — CRIMP



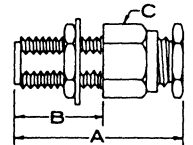
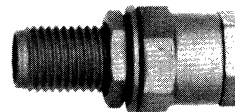
S/C Part No.	Cable RG-U	Crimp Tool	Dimension			Mtg. Hole	Engr. Data
			A	B	C		
39JS104-1	142	.213 HEX	1-1/2	1-3/64	.450	D14	
39JS104-2	174,188	.128 HEX	1-1/2	1-3/64	.450	D14	

SMA CABLE JACK — SINGLE HOLE MOUNT — SOLDER ON — SEMI-RIGID CABLE



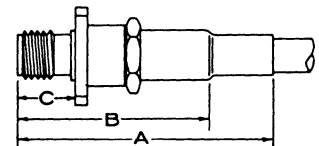
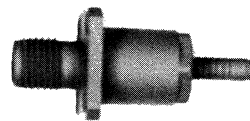
S/C Part No.	Cable RG-U	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
39JS101-1	.141 dia	3/4	.415	7/16 HEX	D14	Has Mounting Gasket
39JS101-2	.085 dia	3/4	.415	7/16 HEX	D14	Has Mounting Gasket

SMA CABLE JACK — SINGLE HOLE MOUNT — CLAMP



S/C Part No.	Cable RG-U	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
		A	B	C			
39JS103-1	174	13/16	7/16	11/32 HEX	D14	Straight Cut Style	Al-61
39JS103-2	122	13/16	7/16	11/32 HEX	D14	Straight Cut Style	Al-61
39JS103-3	58	13/16	7/16	11/32 HEX	D14	Straight Cut Style	Al-61
39JS103-4	223	13/16	7/16	11/32 HEX	D14	Straight Cut Style	Al-61

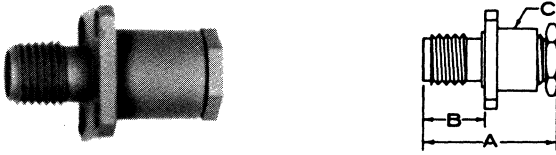
SMA CABLE JACK — FLANGE MOUNT — CRIMP



S/C Part No.	Cable RG-U	Crimp Tool	Dimension			Mtg. Plate	Engr. Data
			A	B	C		
39JF102-1	174,188	.128 HEX	1-7/16	1-1/16	5/16	5A	

SMA SERIES

SMA CABLE JACK — FLANGE MOUNT — CLAMP



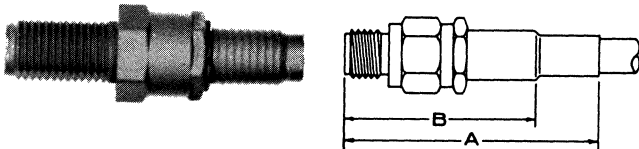
S/C Part No.	Cable RG-U	Dimension			Mtg. Plate	Engr. Data	Assy. Inst.
		A	B	C			
39JF101-1	174	13/16	5/16	5/16 dia	5A	Straight Cut Style	AI-61
39JF101-2	122	13/16	5/16	5/16 dia	5A	Straight Cut Style	AI-61
39JF101-3	58	13/16	5/16	5/16 dia	5A	Straight Cut Style	AI-61

SMA CABLE JACK — SOLDER ON



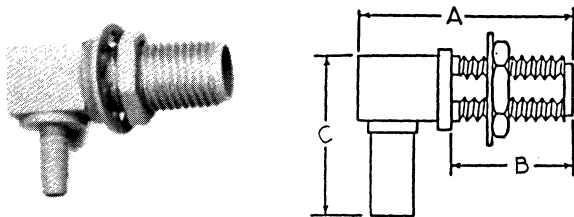
S/C Part No.	Cable RG-U	Dimension		Engr. Data
		A	B	
39J102-1	.141 dia	5/8	1/4 HEX	Solder on Jacket
39J103-1	.085 dia	5/8	1/4 HEX	Solder on Jacket

SMA CABLE JACK — CRIMP



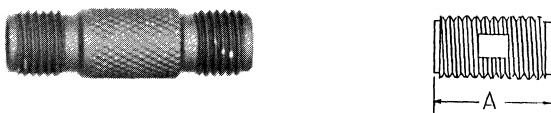
S/C Part No.	Cable RG-U	Crimp Tool	Dimension		Engr. Data
			A	B	
39J109-1	174,188	.128 HEX	1-7/16	1-1/16	

SMA CABLE JACK — SINGLE HOLE MOUNT — RIGHT ANGLE — CRIMP



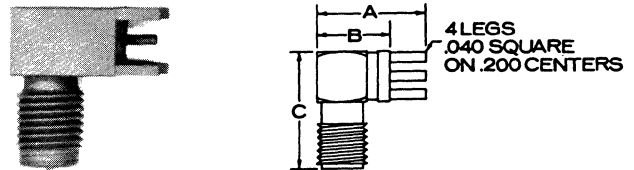
S/C Part No.	Cable RG-U	Crimp Tool	Dimension			Mtg. Hole	Engr. Data
			A	B	C		
39JS105-1	188,316	.128 HEX	25/32	.450	1-9/64	D14	

SMA ADAPTER — JACK TO JACK



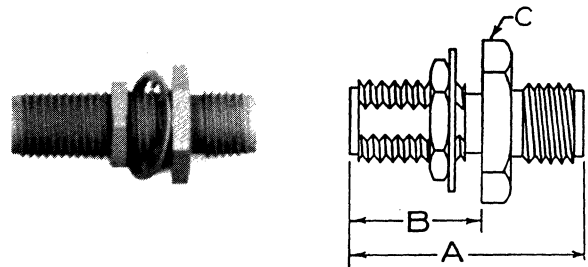
S/C Part No.	Dimension	Engr. Data
	A	
39A101-1	1/2	
39A107-1	7/8	Has Diamond Knurl

SMA JACK RECEPTACLE — RIGHT ANGLE PCB MOUNT



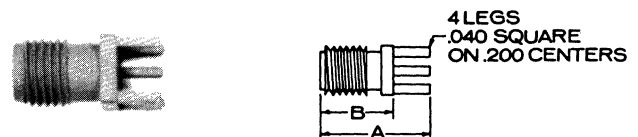
S/C Part No.	Dimension			Engr. Data
	A	B	C	
39JR128-1	17/32	3/8	.583	

SMA ADAPTER — JACK TO JACK — SINGLE HOLE MOUNT



S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
39AS102-1	7/8	.575	3/8 HEX	D14	

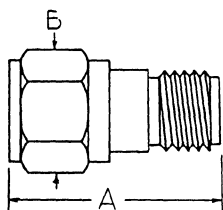
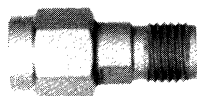
SMA JACK RECEPTACLE — PCB MOUNT



S/C Part No.	Dimension		Engr. Data
	A	B	
39JR127-1	17/32	3/8	
39JR162-1	.541	.391	
39JR162-2	.484	.391	

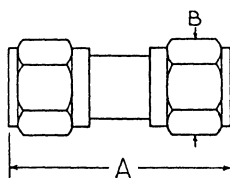
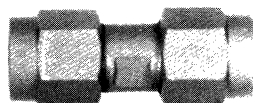
SMA SERIES

SMA ADAPTER — PLUG TO JACK



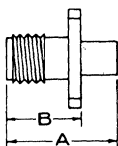
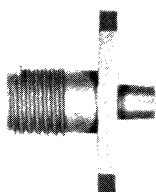
S/C Part No.	Dimension		Engr. Data
	A	B	
39A105-1	23/32	5/16 HEX	

SMA ADAPTER — PLUG TO PLUG



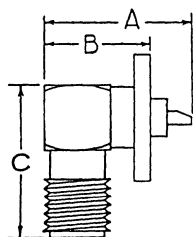
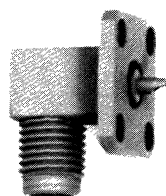
S/C Part No.	Dimension		Engr. Data
	A	B	
39A106-2	7/8	5/16 HEX	

SMA CABLE JACK — FLANGE MOUNT — SOLDER ON — SEMI-RIGID CABLE



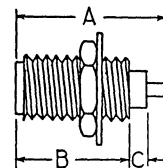
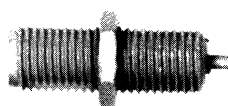
S/C Part No.	Cable RG-U	Dimension		Mtg. Plate	Engr. Data
		A	B		
39JF100-1	.141 DIA	9/16	3/8	5A	Solder on Jacket
39JF104-1	.085 DIA	9/16	3/8	5A	Solder on Jacket
39JF106-1	.085 DIA	1/2	3/8	6A	Solder on Jacket

SMA JACK RECEPTACLE — RIGHT ANGLE — FLANGE MOUNT



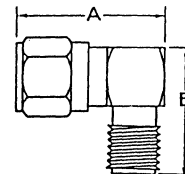
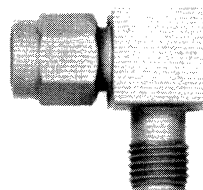
S/C Part No.	Dimension			Mtg. Plate	Engr. Data
	A	B	C		
39JR180-1	39/64	27/64	37/64	5A	
39JR182-1	39/64	27/64	37/64	3B	

SMA JACK RECEPTACLE



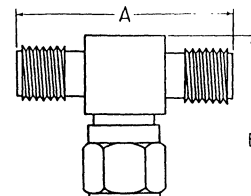
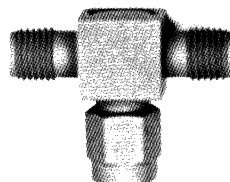
S/C Part No.	Dimension			Engr. Data
	A	B	C	
39JR154-1	.660	.500	.076	

SMA ADAPTER — RIGHT ANGLE



S/C Part No.	Dimension		Engr. Data
	A	B	
39AR100-1	5/8	37/64	

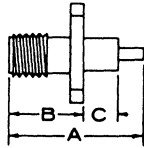
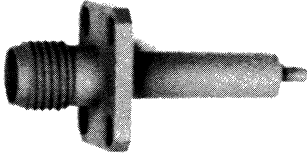
SMA ADAPTER — TEE



S/C Part No.	Dimension		Engr. Data
	A	B	
39AT102-2	1-1/32	3/4	

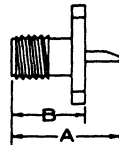
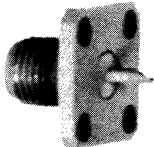
SMA SERIES

SMA JACK RECEPTACLE — FLANGE MOUNT



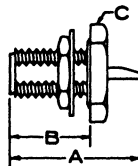
S/C Part No.	Dimension			Mtg. Plate	Engr. Data
	A	B	C		
39JR100-1	.425	3/8	.000	5A	
39JR101-1	1.080	3/8	.590	5A	
39JR101-4	.868	3/8	.400	5A	
39JR101-5	.805	3/8	.187	5A	
39JR105-1	1.080	3/8	.590	5A	Has Loose Contact
39JR113-1	1.311	3/8	.440	5A	Has Loose Contact
39JR113-2	.975	3/8	.313	5A	Has Loose Contact
39JR124-1	13/16	3/8	5/16	6A	Slot in Contact .015x.120
39JR129-1	1.080	3/8	.590	6A	
39JR184-1	3/4	3/8	.175	3B	

SMA JACK RECEPTACLE — FLANGE MOUNT



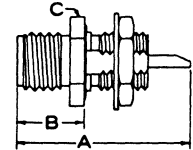
S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
39JR143-1	9/16	3/8	5A	M39012/60-3001
39JR160-1	9/16	3/8	2B	
39JR161-1	9/16	3/8	3B	
39JR178-1	9/16	3/8	6A	M39012/60-3002

SMA JACK RECEPTACLE — REVERSE SINGLE HOLE MOUNT



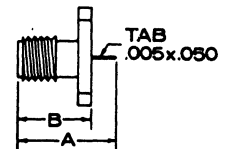
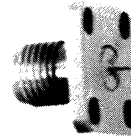
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
39JR103-1	43/64	.450	5/16 HEX	D14	
39JR104-1	21/32	.415	7/16 HEX	D14	Mounting Gasket
39JR106-1	47/64	.415	7/16 HEX	D14	Herm. Seal Gasket
39JR117-1	43/64	.437	5/16 HEX	D14	
39JR120-1	3/4	.497	3/8 HEX	D13	Herm. Seal Gasket
39JR177-1	43/64	.425	7/16 DIA	D13	M39012/61-3001

SMA JACK RECEPTACLE — SINGLE HOLE MOUNT



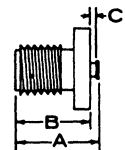
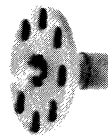
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
39JR118-1	3/4	9/32	3/8 HEX	D14	Herm. Seal Gasket
39JR126-1	43/64	9/32	5/16 HEX	D14	
39JR179-1	43/64	.305	7/16 DIA	D13	M39012/61-3002

SMA JACK RECEPTACLE — FLANGE MOUNT



S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
39JR114-1	.475	3/8	5A	Has Loose Contact

SMA JACK RECEPTACLE — FLANGE MOUNT — STRIP LINE



S/C Part No.	Dimension			Mtg. Plate	Engr. Data
	A	B	C		
39JL100-1	.448	3/8	.063	8A	
39JL101-1	.416	3/8	.031	8A	
39JL102-1	.510	3/8	.125	8A	

SMB SERIES

The SMB is a miniature snap on series. They are mated and unmated by a straight pull which makes them useful in areas that are inaccessible to the normal mating action. They are most compatible with small coaxial cables such as RG174, RG316 and RG196/U. Materials are generally brass shells with beryllium copper female contacts all with gold plating. The plugs have female contacts while the jacks have male contacts. The series is similar in size to the SMC series but is generally used at a lower frequency. Certain of the fittings are noted in the Engineering Data section as 75 ohm. They are larger than the standard 50 ohm connectors and mate only with other connectors noted as 75 ohm.

MATERIALS:

Body parts: Brass per QQ-B-626, 1/2 HD.

Contacts: Male: Brass

Female: Beryllium Copper

Insulators: TFE Fluorocarbon per L-P-403

Gaskets: Silicone rubber per ZZ-R-765

FINISH:

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

Gold plating per MIL-G-45204.

Proprietary bright nickel (IP23).

Silver plating per QQ-S-365.

MECHANICAL:

Force to Engage and Disengage: 14 lbs. max.

Connector Durability: 500 cycles min.

ELECTRICAL:

Impedance: 50 ohms nominal

Frequency Range: DC to 4 GHZ

Insulation Resistance: 1,000 Megohms min.

Voltage Rating: 335 VRMS with RG 316/U

Dielectric withstanding Voltage:

750 VRMS at sea level

R.F. leakage: - (55 - FGHZ) dB max.

R.F. High Potential withstanding Voltage:

500 VRMS at 5 MHZ

Voltage standing wave ratio (VSWR):

1.4 max. to 4 GHZ with RG 316/U

Insertion loss: .25 dB max. at 4 GHZ

Contact Resistance:

Outer Contact: 1.0 Milliohms max.

Center Contact: 6.0 Milliohms max.

ENVIRONMENTAL:

Temperature rating: - 65°C to + 165°C

Vibration: MIL-STD-202, method 204, cond. D (20G's).

Shock: MIL-STD-202, method 213, cond. I (100G's)

Thermal shock: MIL-STD-202, method 107, cond. B

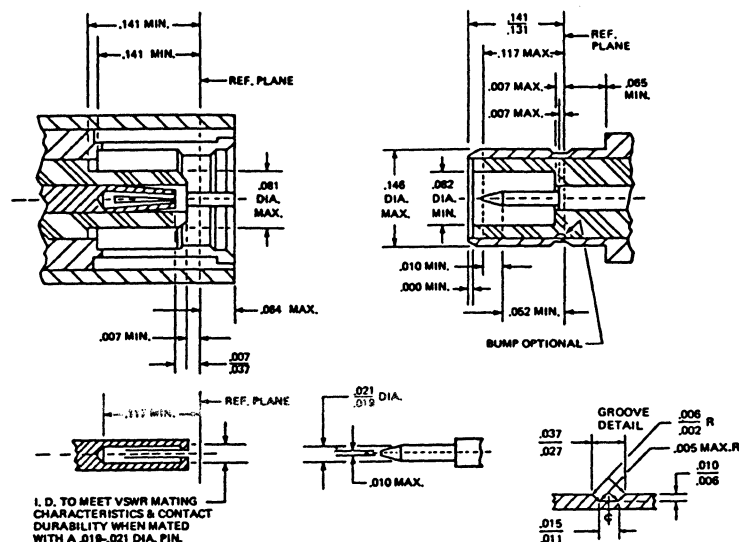
(- 65°C to + 115°C)

Corrosion (salt spray): MIL-STD-202, method 101,

cond. B

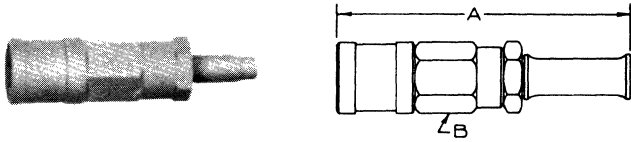
Moisture Resistance: MIL-STD-202, method 106

INTERFACE DIMENSIONS PER MIL-C-39012



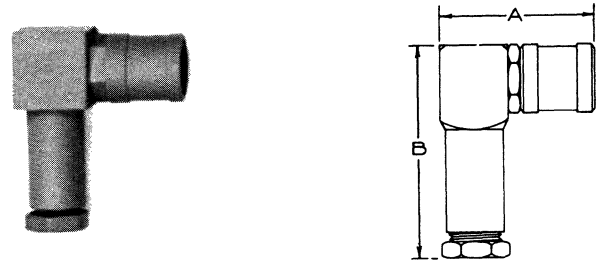
SMB SERIES

SMB CABLE PLUG — CRIMP



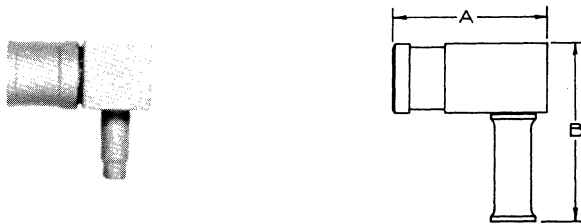
S/C Part No.	Cable RG-U	Crimp Tool	Dimension		Engr. Data	Assy. Inst.
			A	B		
32P100-1	174,188	.128 HEX	1-1/32	7/32 HEX	75 OHM Mating	AI-39
32P100-3	178,196	.105 HEX	1-1/32	7/32 HEX		AI-39
32P109-1	180,195	.178 HEX	1-3/32	11/32 HEX		
32P109-5	179,187	.128 HEX	1-3/32	11/32 HEX		

SMB CABLE PLUG — RIGHT ANGLE — CLAMP



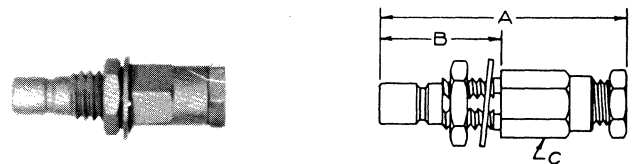
S/C Part No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
		A	B		
32P102-1	178,196	5/8	3/4		AI-11
32P102-4	174,188, 316	5/8	3/4		AI-11

SMB CABLE PLUG — RIGHT ANGLE — CRIMP



S/C Part No.	Cable RG-U	Crimp Tool	Dimension		Engr. Data	Assy. Inst.
			A	B		
32P101-4	178,196	.105 HEX	17/32	5/8	75 OHM Mating	AI-53
32P101-6	58	.213 HEX	17/32	.507		AI-53
32P108-1	180,195	.178 HEX	5/8	23/32		
32P108-2	179,187	.128 HEX	41/64	23/32		
32P108-4	59,62	.255 HEX	41/64	23/32		
32P111-1	RG174,188	.128 HEX	17/32	5/8		AI-53

SMB CABLE JACK — SINGLE HOLE HOUNT — CLAMP



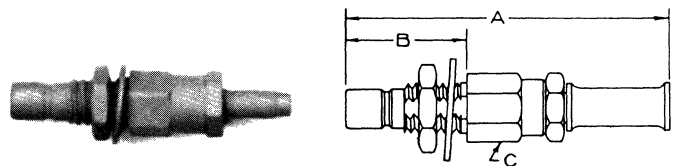
S/C Part No.	Cable RG-U	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
		A	B	C			
32JS101-1	178,196	13/16	.425	1/4 HEX	D12	Straight Cut Style	AI-55
32JS101-2	174,188, 316	13/16	.425	1/4 HEX	D12	Straight Cut Style	AI-55
32JS108-1	178,196	7/8	.413	7/32 HEX	D12	Clamp Style	AI-10
32JS108-2	174,188, 316	7/8	.413	7/32 HEX	D12	Clamp Style	AI-10

SMB CABLE PLUG — CLAMP



S/C Part No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
		A	B		
32P103-1	178,196	45/64	1/4 HEX	Straight Cut Style	AI-55
32P103-2	174,188, 316	45/64	1/4 HEX	Straight Cut Style	AI-55
32P104-1	174,188, 316	15/16	7/32 HEX	Clamp Style	AI-10
32P104-2	178,196	15/16	7/32 HEX	Clamp Style	AI-10
32P114-1	178,196	27/32	7/32 HEX	M39012/67-0003	AI-10
32P114-2	174,188, 316	27/32	7/32 HEX	M39012/67-0004	AI-10

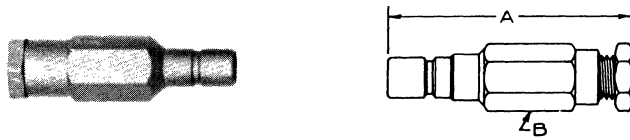
SMB CABLE JACK — SINGLE HOLE HOUNT — CRIMP



S/C Part No.	Cable RG-U	Crimp Tool	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
			A	B	C			
32JS102-1	174,188	.128 HEX	1-1/8	.425	7/32 HEX	D12	75 OHM Mating	AI-39
32JS102-2	178,196	.105 HEX	1-1/8	.425	7/32 HEX	D12		AI-39
32JS104-1	180,195	.178 HEX	1-5/32	.426	11/32 HEX	D9		
32JS104-6	59,62	.255 HEX	1-5/32	.426	11/32 HEX	D9		75 OHM Mating

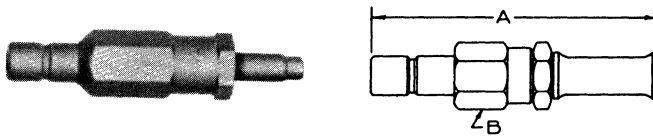
SMB SERIES

SMB CABLE JACK — CLAMP



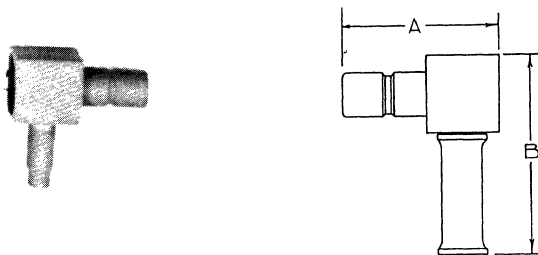
S/C Part No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
		A	B		
32J101-1	178,196	11/16	1/4 HEX	Straight Cut Style	AI-55
32J101-2	174,188 316	11/16	1/4 HEX	Straight Cut Style	AI-55
32J105-1	174,188 316	7/8	7/32 HEX	Clamp Style	AI-10
32J105-2	178,196	7/8	7/32 HEX	Clamp Style	AI-10

SMB CABLE JACK — CRIMP



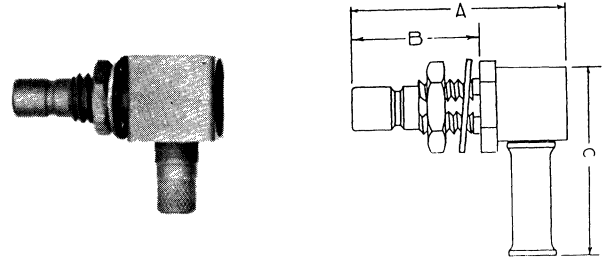
S/C Part No.	Cable RG-/U	Crimp Tool	Dimension		Engr. Data	Assy. Inst.
			A	B		
32J102-1	174,188	.128 HEX	63/64	7/32 HEX		AI-39

SMB CABLE JACK — RIGHT ANGLE



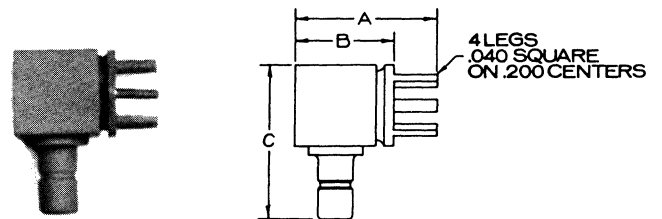
S/C Part No.	Cable RG-/U	Crimp Tool	Dimension		Engr. Data
			A	B	
32J104-1	188,316	.128 HEX	1/2	5/8	

SMB SERIES RIGHT ANGLE — CABLE JACK — CRIMP ON — SINGLE HOLE MOUNT



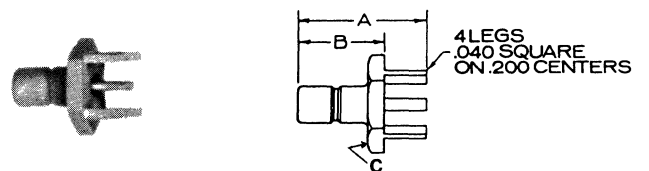
S/C Part No.	Cable RG-/U	Crimp Tool	Dimension			Mtg. Hole	Engr. Data
			A	B	C		
32JS107-1	180,195	.197 HEX	49/64	.426	23/32	C3	75 OHM Mating

SMB JACK RECEPTACLE — RIGHT ANGLE PCB MOUNT



S/C Part No.	Dimension			Engr. Data
	A	B	C	
32JR111-1	17/32	3/8	19/32	75 OHM Mating
32JR115-2	1/2	.340	17/32	
32JR115-3	.432	.277	33/64	
32JR116-1	19/32	7/16	21/32	

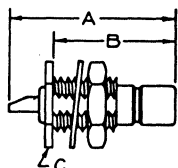
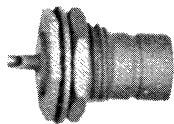
SMB JACK RECEPTACLE — PCB MOUNT



S/C Part No.	Dimension			Engr. Data
	A	B	C	
32JR107-1	.448	.298	5/16 HEX	75 OHM Mating
32JR119-1	.448	.298	1/4 SQ.	
32JR127-1	.448	.298	3/8 HEX	
32JR129-1	.416	.266	5/16 HEX	

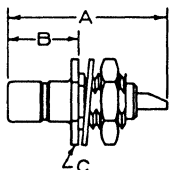
SMB SERIES

SMB JACK RECEPTACLE — REVERSE SINGLE HOLE MOUNT



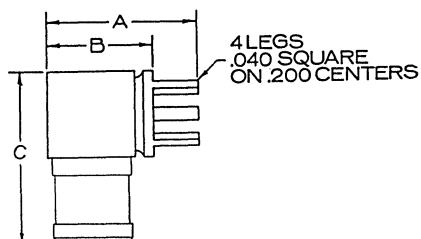
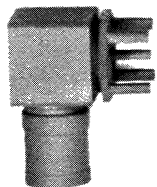
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
32JR109-1	19/32	.426	1/4 HEX	D12	Keyhole Mount M39012/71-0001 75 OHM Mating
32JR104-1	19/32	.426	1/4 HEX	D12	
32JR113-1	19/32	.426	1/4 HEX	D12	
32JR120-1	19/32	.426	3/8 HEX	D9	

SMB JACK RECEPTACLE — SINGLE HOLE MOUNT



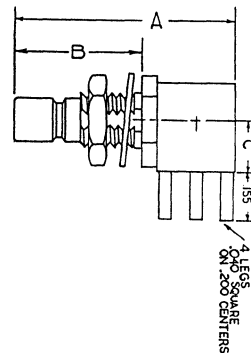
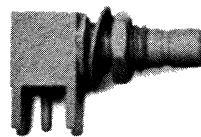
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
32JR110-1	19/32	.236	1/4 HEX	D12	75 OHM Mating M39012/71-0002
32JR126-1	19/32	.236	3/8 HEX	D9	
32JR128-1	19/32	.274	1/4 HEX	D12	

SMB PLUG RECEPTACLE — RIGHT ANGLE — PRINTED CIRCUIT BOARD



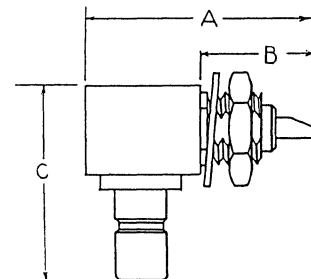
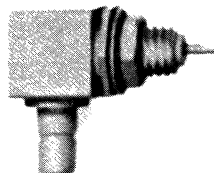
S/C Part No.	Dimension			Engr. Data
	A	B	C	
32PR104-1	17/32	3/8	25/32	

SMB JACK RECEPTACLE — RIGHT ANGLE — PRINTED CIRCUIT BOARD AND SINGLE HOLE MOUNT



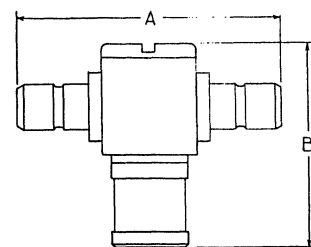
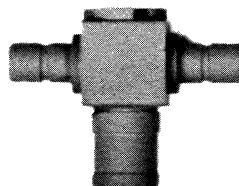
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
32JR122-1	45/64	.425	.157	.195 DIA.	75 OHM Mating
32JR132-1	15/16	9/16	1/4	D9	

SMB JACK RECEPTACLE — RIGHT ANGLE — SINGLE HOLE MOUNT



S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
32JR117-1	3/4	3/8	19/32	D12	75 OHM Mating
32JR118-1	5/8	5/16	17/32	D12	
32JR118-2	5/8	21/64	1/2	D12	
32JR121-1	13/16	3/8	21/32	D9	

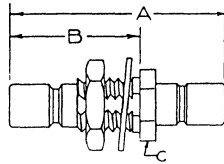
SMB TEE ADAPTER



S/C Part No.	Dimension		Engr. Data
	A	B	
32AT100-2	55/64	21/32	

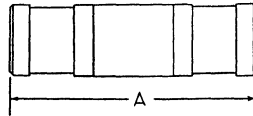
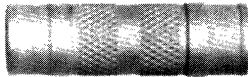
SMB SERIES

SMB ADAPTER — JACK TO JACK — SINGLE HOLE MOUNT



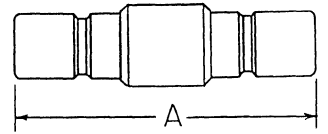
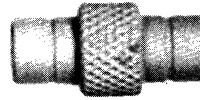
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
32AS100-1	43/64	.397	1/4 HEX	D12	

SMB ADAPTER — PLUG TO PLUG



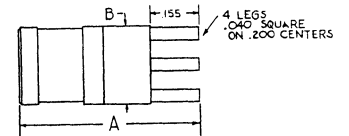
S/C Part No.	Dimension	Engr. Data
	A	
32A101-1	13/16	75 OHM Mating
32A103-1	7/8	

SMB ADAPTER — JACK TO JACK



S/C Part No.	Dimension	Engr. Data
	A	
32A100-1	11/16	75 OHM Mating
32A102-1	43/64	

SMB PLUG RECEPTACLE — PRINTED CIRCUIT BOARD



S/C Part No.	Dimension		Engr. Data
	A	B	
32PR103-1	37/64	1/4 SQ.	

SMC SERIES

The SMC is a miniature screw on style connector series. It is similar in size to the SMB series but features the screw thread coupling and is generally used at higher frequencies. It is most compatible with small coaxial cables such as RG 174, 316 and 196/U. In this series, as in the SMB, the parts listed as plugs have female contacts and the jacks have male contacts. The series is covered by MIL-C-39012. Certain of the fittings are noted in the Engineering Data section as 75 ohm. They are larger than the standard 50 ohm connectors and mate only with other connectors noted as 75 ohm.

MATERIALS:

Body parts: Brass per QQ-B-626, 1/2 HD.
 Contacts: Male: Brass
 Female: Beryllium Copper
 Insulators: TFE Fluorocarbon per L-P-403
 Gaskets: Silicone rubber per ZZ-R-765

FINISH:

All parts plated to meet finish and corrosion requirements of MIL-C-39012.
 Gold plating per MIL-G-45204.
 Proprietary bright nickel (IP23).
 Silver plating per QQ-S-365.

MECHANICAL:

Force to Engage and Disengage: Torque 16 in. oz. max.
 Coupling nut Retention Force: 35 lb. min.
 Coupling Proof Torque: 100 in. oz. min.
 Connector Durability: 500 cycles min.

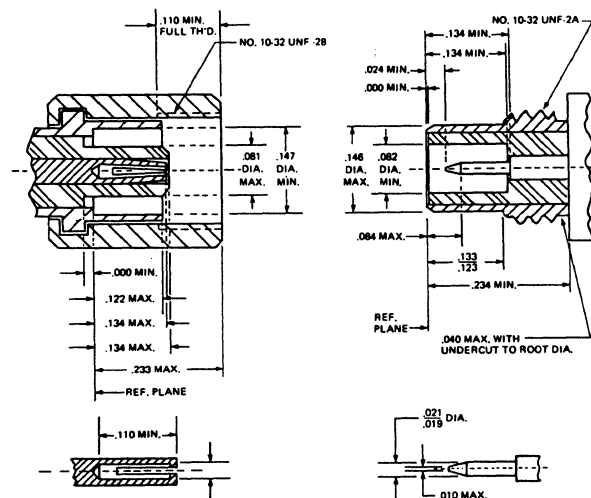
ELECTRICAL:

Impedance: 50 ohm nominal
 Frequency Range: DC to 10 GHZ
 Insulation Resistance: 1,000 Megohms min.
 Voltage Rating: 335 VRMS with RG 316/U
 Dielectric Withstanding Voltage:
 750 VRMS at sea level
 R.F. leakage: - (65 - GHZ) dB max.
 R.F. High Potential Withstanding Voltage:
 500 VRMS at 5 MHZ
 Voltage standing wave ratio (VSWR):
 1.35 Max. to 4 GHZ with RG 316/U
 Insertion loss: .25 dB max. at 4 GHZ
 Contact Resistance:
 Outer Contact: 1.0 Milliohms max.
 Center Contact: 6.0 Milliohms max.

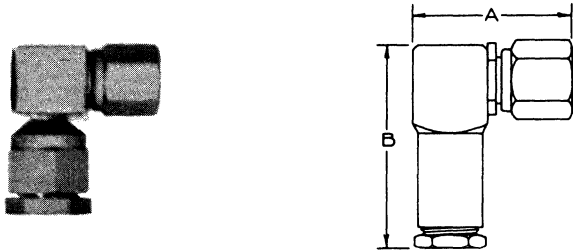
ENVIRONMENTAL:

Temperature rating: - 65°C to + 165°C
 Vibration: MIL-STD-202, method 204, cond. D (20G's)
 Shock: MIL-STD-202, method 213, cond. I (100G's)
 Thermal Shock: MIL-STD-202, method 107, cond. B
 (- 65°C to + 115°C)
 Corrosion (salt spray): MIL-STD-202, method 101,
 cond. B
 Moisture resistance: MIL-STD-202, method 106

INTERFACE DIMENSIONS PER MIL-C-39012

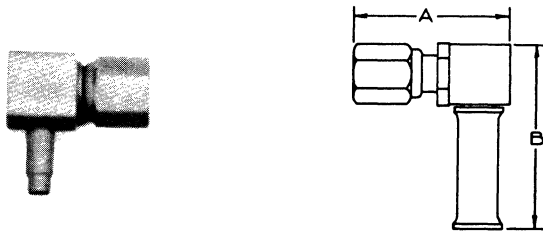


SMC CABLE PLUG — RIGHT ANGLE — CLAMP



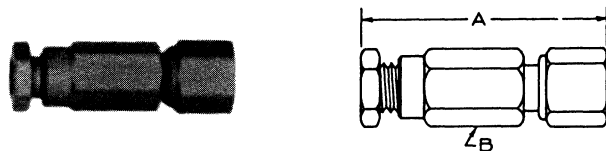
S/C Part No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
		A	B		
37P103-1	174,188, 316	5/8	3/4	UG-1466/U	AI-11
37P108-1	178,196	5/8	3/4	UG-1461/U	AI-11
37P111-1	174,188, 316	9/16	5/8	Straight Cut Style	AI-30

SMC CABLE PLUG — RIGHT ANGLE — CRIMP



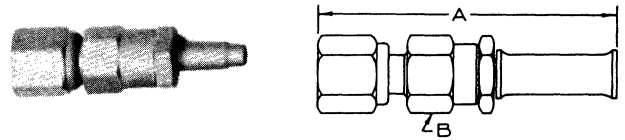
S/C Part No.	Cable RG-/U	Crimp Tool	Dimension		Engr. Data	Assy. Inst.
			A	B		
37P104-1	174,188	.128 HEX	9/16	5/8	75 OHM Mating	AI-53
37P118-1	195	.178 HEX	5/8	23/32		

SMC CABLE PLUG — CLAMP



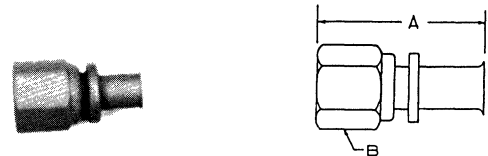
S/C Part No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
		A	B		
37P102-1	188,316	7/8	7/32 HEX	UG-1465/U	AI-10
37P107-1	178,196	7/8	7/32 HEX	UG-1460/U	AI-10
37P112-1	178,196	25/32	1/4 HEX	Straight Cut Style	AI-40
37P112-2	174,188,	25/32	1/4 HEX	Straight Cut Style	AI-40

SMC CABLE PLUG — CRIMP



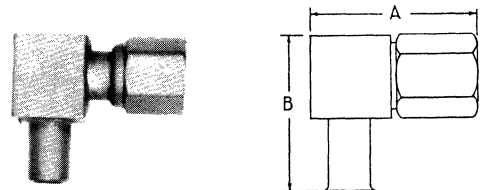
S/C Part No.	Cable RG-/U	Crimp Tool	Dimension		Engr. Data	Assy. Inst.
			A	B		
37P106-1	174,188	.128 HEX	1-1/32	7/32 HEX	75 OHM Mating	AI-39
377P100-1	180,195	.178 HEX	1	5/16 HEX		
377P100-2	179,187	.128 HEX	1	5/16 HEX		

SMC CABLE PLUG — SEMI RIGID CABLE



S/C Part No.	Cable RG-/U	Dimension		Engr. Data
		A	B	
37P115-1	.085 Dia	1/2	15/64 HEX	Solder Jacket - Plug in Cent. Cond.

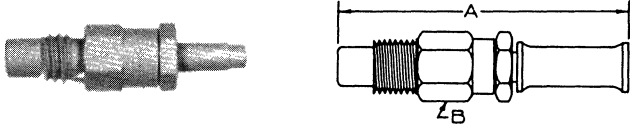
SMC CABLE PLUG — RIGHT ANGLE SEMI RIGID CABLE



S/C Part No.	Cable RG-/U	Dimension		Engr. Data
		A	B	
37P126-1	.085 Dia	35/64	29/64	Solder Jacket and Cent. Cond.

SMC SERIES

SMC CABLE JACK — CRIMP



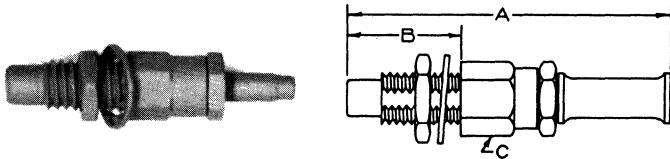
S/C Part No.	Cable RG-U	Crimp Tool	Dimension			Engr. Data	Assy. Inst.
			A	B	C		
37J103-1	174,188	.128 HEX	63/64	7/32 HEX			AI-39

SMC CABLE JACK — CLAMP



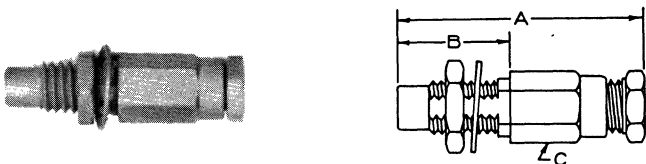
S/C Part No.	Cable RG-U	Dimension			Engr. Data	Assy. Inst.
		A	B	C		
37J105-1	178,196	45/64	1/4 HEX	Straight Cut Style		AI-55
37J105-2	174,188, 316	45/64	1/4 HEX	Straight Cut Style		AI-55

SMC CABLE JACK — SINGLE HOLE MOUNT — CRIMP



S/C Part No.	Cable RG-U	Crimp Tool	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
			A	B	C			
37JS102-1	174,188	.128 HEX	1-9/64	.425	7/32 HEX	D12		AI-39

SMC CABLE JACK — SINGLE HOLE MOUNT — CLAMP



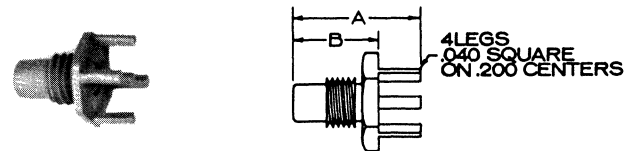
S/C Part No.	Cable RG-U	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
		A	B	C			
37JS100-1	174,188, 316	7/8	13/32	7/32 HEX	D12	UG-1468/U	AI-10
37JS101-1	178,196	7/8	13/32	7/32 HEX	D12	UG-1463/U	AI-10
37JS103-1	178,196	53/64	.425	1/4 HEX	D12	Straight Cut Style	AI-55
37JS103-2	174,188, 316	53/64	.425	1/4 HEX	D12	Straight Cut Style	AI-55

SMC JACK RECEPTACLE — SINGLE HOLE MOUNT



S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
37JR101-1	19/32	.274	1/4 HEX	D12	UG-1464/U
37JR122-1	19/32	.274	3/8 HEX	D9	75 OHM Mating
37JR126-1	19/32	.274	1/4 HEX	D12	M39012/77-0002

SMC JACK RECEPTACLE — PCB MOUNT



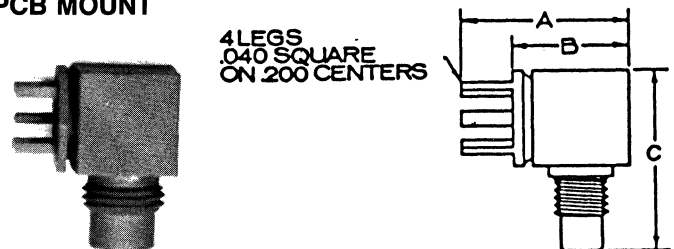
S/C Part No.	Dimension		Engr. Data
	A	B	
37JR104-2	.448	.293	

SMC JACK RECEPTACLE — REVERSE SINGLE HOLE MOUNT



S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
37JR108-1	19/32	.426	1/4 HEX	D12	UG-1619/U
37JR115-1	19/32	.426	1/4 HEX	D12	M39012/77-0001
37JR116-1	19/32	27/64	15/64 DIA	.203 DIA	
37JR123-1	19/32	.426	3/8 HEX	D9	75 OHM Mating

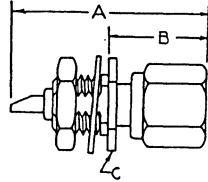
SMC JACK RECEPTACLE — RIGHT ANGLE — PCB MOUNT



S/C Part No.	Dimension			Engr. Data
	A	B	C	
37JR110-1	17/32	3/8	19/32	
37JR120-1	1/2	11/32	17/32	
37JR121-1	19/32	7/16	21/32	75 OHM Mating

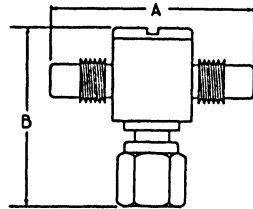
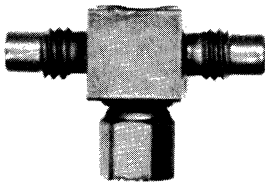
SMC SERIES

SMC PLUG RECEPTACLE — SINGLE HOLE MOUNT



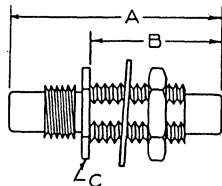
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
37PR100-1	23/32	5/16	1/4 HEX	D12	

SMC ADAPTER — TEE



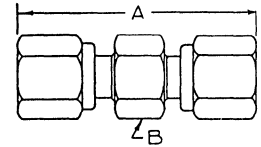
S/C Part No.	Adapter Ends	Dimension		Engr. Data
		A	B	
37AT100-1	Jack-Jack-Plug	31/32	41/64	As Pictured
37AT101-1	Jack-Jack-Jack	55/64	41/64	
37AT102-1	Jack-Plug-Jack	55/64	43/64	

SMC ADAPTER — JACK TO JACK — SINGLE HOLE MOUNT



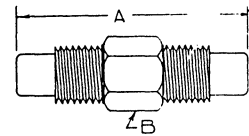
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
37AS100-1	49/64	13/32	3/8 HEX	D9	
37AS101-1	43/64	.397	1/4 HEX	D12	

SMC ADAPTER — PLUG TO PLUG



S/C Part No.	Dimension		Engr. Data
	A	B	
37A102-1	27/32	1/4 HEX	

SMC ADAPTER — JACK TO JACK



S/C Part No.	Dimension		Engr. Data
	A	B	
37A101-1	43/64	1/4 HEX	

N SERIES

The 'N' series are medium size general purpose connectors that are in widespread use. They feature a screw thread coupling mechanism and are gasketed for weatherproof operation. They are useful up to 12 GHz and can withstand rugged environmental conditions. The series features many styles and variations. Certain of the fittings are 70 to 75 ohm styles but they have a separate listing.

MATERIALS:

Body parts: Brass per QQ-B-626, 1/2 HD.
 Contacts: Male: Brass
 Female: Beryllium Copper per QQ-C-530
 Insulator: TFE Fluorocarbon per L-P-403
 Gasket: Silicone rubber per ZZ-R-765

FINISH:

All parts plated to meet finish and corrosion requirements of MIL-C-39012.
 Gold plating per MIL-G-45204.
 Proprietary bright nickel (IP23).
 Silver plating per QQ-S-365.

MECHANICAL:

Force to Engage and Disengage: Torque 3 in. lb. max.
 Coupling nut Retention Force: 100 lb. min.
 Coupling Proof Torque: 30 in. lb. min.
 Connector Durability: 500 cycles min.

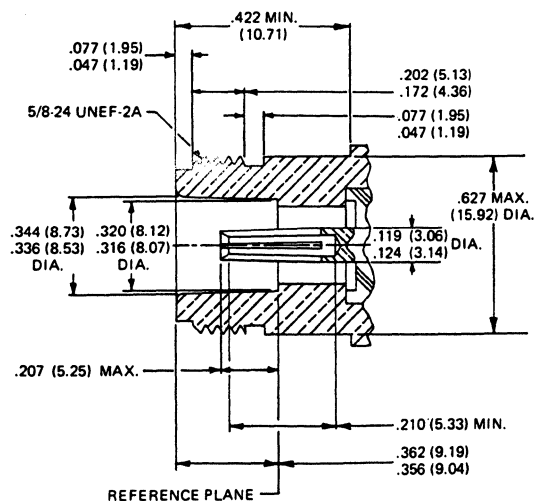
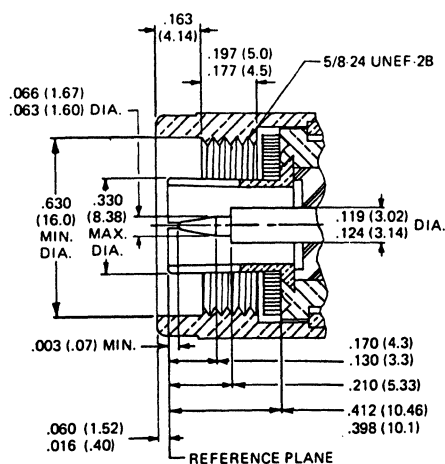
ELECTRICAL:

Impedance: 50 ohm Nominal
 Frequency Range: DC to 12 GHz
 Precision types available to 18 GHz
 Insulation resistance: 5,000 Megohms min.
 Voltage Rating: 1,000 VRMS
 Dielectric Withstanding Voltage:
 2,500 VRMS at sea level
 R.F. Leakage: - (95 - FGHZ) dB max.
 R.F. High Potential Withstanding Voltage:
 1,500 VRMS at 5 MHz
 Voltage Standing wave ratio (VSWR):
 1.07 + .007 f(GHZ) max.
 Insertion loss: .05 \sqrt{f} GHz dB max.
 Contact Resistance:
 Outer contact: .2 Milliohms max.
 Center contact: 1.0 Milliohms max.

ENVIRONMENTAL:

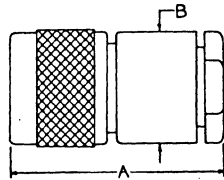
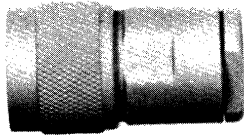
Temperature rating: - 65°C to + 165°C
 Vibration: MIL-STD-202, method 204, cond. D (20G's).
 Shock: MIL-STD-202, method 213, cond. I (100G's)
 Thermal Shock: MIL-STD-202, method 107, cond. B
 (- 65°C to + 115°C)
 Corrosion (salt spray): MIL-STD-202, method 101,
 cond. B
 Moisture Resistance: MIL-STD-202, method 106

INTERFACE DIMENSIONS PER MIL-C-39012



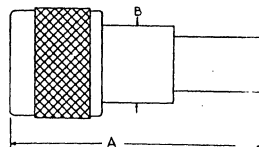
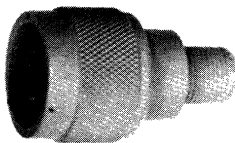
N SERIES

N PLUG



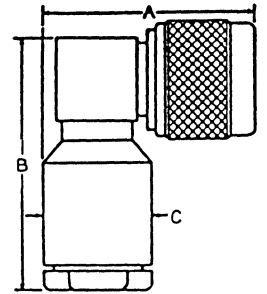
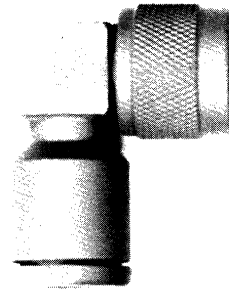
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
			A	B		
25P100-1	UG-21D/U	8,8A,9,9A,213,214	1-1/2	3/4		
25P104-1		1/2 dia	1-1/2	3/4	Plug-in, Semi-Rigid Cable	AI-21
25P104-2		3/8 dia	1-1/2	3/4	Plug-in, Semi-Rigid Cable	AI-21
25P106-1		8,11,213	1-1/2	3/4	Straight Cut Hardware	AI-81
25P106-2		9,13,214	1-1/2	3/4	Straight Cut Hardware	AI-81
25P107-1		58	1-3/8	1/2	Straight Cut Hardware	AI-12
25P107-2		223	1-3/8	1/2	Straight Cut Style	AI-12
25P107-4		180,195	1-3/8	1/2	Straight Cut Style	AI-12
25P107-6		303	1-3/8	1/2	Straight Cut Style	AI-12
25P107-7		59,62	1-3/8	1/2	Straight Cut Style	AI-12
25P110-1	UG-21E/U	8,9,213,214	1-1/2	3/4		
25P114-1	UG-536/U	55,58	1-3/8	1/2		
25P117-1	UG-21G/U	8,8A,9,9A,213,214	1-1/2	3/4		
25P121-1	UG-536B/U	55,58,141,142,223	1-3/8	1/2		
25P124-1		.141 S.R.	1-31/64	1/2	Plug-in Style	AI-21
25P148-1		58,223	1-3/8	1/2	Captive Contact	
25P153-1		178,196	1-3/8	1/2	Straight Cut Style	AI-55
25P153-2		174,316	1-3/8	1/2	Straight Cut Style	AI-55
25P157-1		393	1-1/2	3/4	Captive Contact	
25P173-1		Belden 8214	1-1/2	3/4	Straight Cut Style	AI-81

N PLUG — CRIMP ON



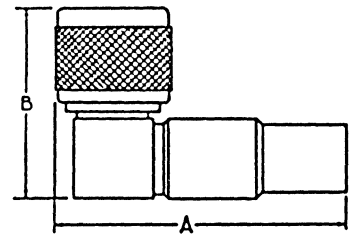
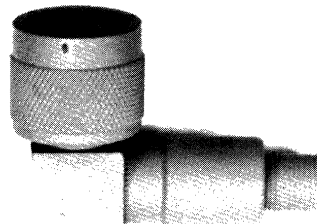
S/C Part No.	Cable RG-/U	Dimension		Engr. Data
		A	B	
25P158-1	8,213	1-35/64	9/16	Crimp Captive Contact
25P158-2	9,214	1-35/64	9/16	Crimp Captive Contact
25P158-4	58	1-35/64	9/16	Crimp Captive Contact

N PLUG — RIGHT ANGLE



S/C Part No.	UG-/U No.	Cable RG-/U	Dimension			Engr. Data	Assy. Inst.
			A	B	C		
25P109-1		55,58	1-9/32	1-5/8	1/2		
25P109-2		59,62,71	1-9/32	1-5/8	1/2		
25P112-1		8,9,213,214	1-3/8	1-23/32	3/4		
25P119-1		5,21,212,222	1-5/8	1-9/16	3/4	Has Access Cap	
25P119-2		8,9,213,214	1-5/8	1-9/16	3/4	Has Access Cap	
25P127-1	UG-594B/U	8,9,213,214	1-3/8	1-19/32	3/4		AI-71
25P134-1		58	1-19/32	1-5/16	1/2	Has Access Cap	AI-19
25P135-1		.500 dia S.R.	1-3/8	2-1/32	3/4	Plug-in Style	AI-21
25P135-2		.375 dia S.R.	1-3/8	2-1/32	3/4	Plug-in Style	AI-21
25P143-1		8,213	1-3/8	1-19/32	3/4	Straight Cut Style	AI-81
25P143-2		9,214	1-3/8	1-19/32	3/4	Straight Cut Style	AI-81
25P144-1		58	1-9/32	1-9/16	1/2	Straight Cut Style	AI-81
24P144-2		223	1-9/32	1-9/16	1/2	Straight Cut Style	AI-81

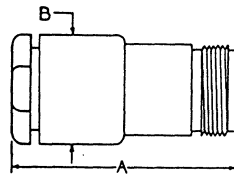
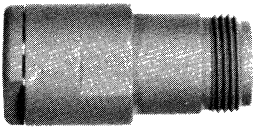
N PLUG — RIGHT ANGLE — CRIMP ON



S/C Part No.	Cable RG-/U	Dimension		Engr. Data
		A	B	
25P168-1	8,213	2-1/8	1-9/32	Crimp Captive Contact
25P168-2	9,214	2-1/8	1-9/32	Crimp Captive Contact
25P168-3	58	2-1/32	1-9/32	Crimp Captive Contact

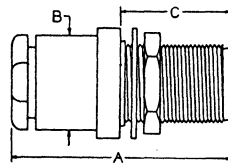
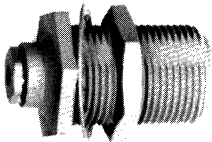
N SERIES

N JACK



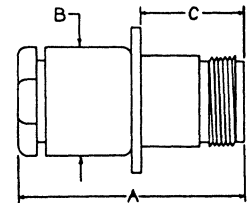
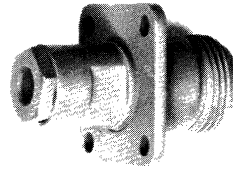
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
			A	B		
25J102-1	UG-23F/U	8,9,11, 213,214	1-9/16	3/4		
25J103-1	UG-23D/U	8,9,11,13, 213,214, 216	1-9/16	3/4		
25J106-1		55,58	1-9/16	3/4		
25J111-1		8,11,213	1-19/32	3/4	Straight Cut Style	AI-81
25J111-2		9,13,214	1-19/32	3/4	Straight Cut Style	AI-81
25J112-1		58	1-25/64	1/2	Straight Cut Style	AI-12
25J112-2		223	1-25/64	1/2	Straight Cut Style	AI-12
25J112-5		303	1-25/64	1/2	Straight Cut Style	AI-12
25J112-6		59	1-25/64	1/2	Straight Cut Style	AI-12
25J115-1		.500 dia S.R.	2-1/32	3/4	Plug-in Style	AI-21
25J115-2		.375 dia S.R.	2-1/32	3/4	Plug-in Style	AI-21
25J122-1		58	1-25/64	1/2	Improved Hardware	

N JACK — SINGLE HOLE MOUNT



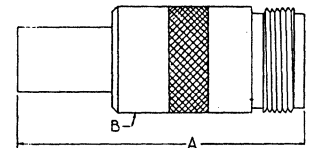
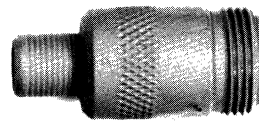
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
			A	B	C			
25JS100-1		8,11,213	1-3/4	3/4	59/64	DD1	Straight Cut Hardware	AI-81
25JS100-2		9,13,214	1-3/4	3/4	59/64	DD1	Straight Cut Hardware	AI-81
25JS103-1		174,179A 187,188	1-41/64	1/2	59/64	DD1		
25JS104-1	UG-5568/U	55,58,141, 142,223	1-41/64	1/2	59/64	DD1		AI-93
25JS105-1		188A/U	1-27/32	1/2	59/64	DD1	Herm. Seal	AI-14
25JS107-1	UG-160E/U	8,9,213, 214	1-3/4	3/4	59/64	DD1		
25JS110-1	UG-160D/U	8,9,213, 214	1-3/4	3/4	59/64	DD1		
25JS116-1		.375 dia S.R.	2-5/16	3/4	59/64	DD1	Plug-in Style	AI-21
25JS116-2		.500 dia S.R.	2-5/16	3/4	59/64	DD1	Plug-in Style	AI-21
25JS118-1	UG-556C/U	55,58	1-41/64	1/2	59/64	DD1		AI-93
25JS121-1		58,223	1-9/16	1/2	59/64	DD1	Captive Contact	
25JS122-1		.085 S.R.	1-41/64	1/2	59/64	DD1	Solder on Bushing	
25JS124-1		.141 S.R.	1-9/16	1/2	59/64	DD1	Plug-in Style	AI-21
25JS126-1		174,316	1-41/64	1/2	59/64	DD1	Captive Contact	
25JS130-2		174,316	1-11/16	1/2	59/64	DD1	Straight Cut Style	AI-66
25JS130-4		58	1-11/16	1/2	59/64	DD1	Straight Cut Style	AI-12
25JS130-6		303	1-11/16	1/2	59/64	DD1	Straight Cut Style	AI-12
25JS130-7		59,62	1-11/16	1/2	59/64	DD1	Straight Cut Style	AI-12

N JACK — FLANGE MOUNT



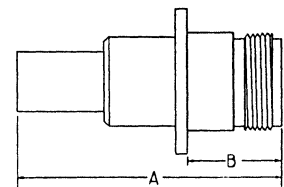
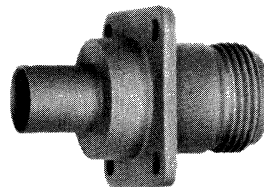
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension			Mtg. Plate	Engr. Data	Assy. Inst.
			A	B	C			
25JF101-1	UG-1095B/U	55,58,141, 142,223	1-25/64	1/2	21/32	1A		
25JF102-1	UG-22D/U	8,9,11,13, 213,214, 216	1-9/16	3/4	21/32	1A		
25JF105-1		58	1-9/16	3/4	21/32	1A	Captive Contact	
25JF108-1		58	1-25/64	1/2	21/32	1A	Straight Cut Style	AI-12
25JF108-2		223	1-25/64	1/2	21/32	1A	Straight Cut Style	AI-12
25JF110-1		.250 S.R.	1-9/16	1/2	21/32	1A	Plug-in Style	AI-21
25JF110-2		.141 S.R.	1-9/16	1/2	21/32	1A	Plug-in Style	AI-21
25JF111-1		8,213	1-19/32	3/4	21/32	1A	Straight Cut Style	AI-81
25JF111-1		9,214	1-19/32	3/4	21/32	1A	Straight Cut Style	AI-81
25JF112-1	UG1052/U	55,58	1-13/16	11/16	21/32	1A		

N JACK — CRIMP ON



S/C Part No.	Cable RG-/U	Dimension		Engr. Data
		A	B	
25J123-1	8,213	1-5/8	5/8	Crimp Captive Contact
25J123-2	9,214	1-5/8	5/8	Crimp Captive Contact

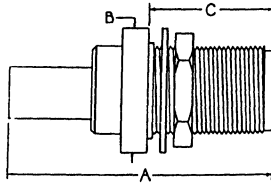
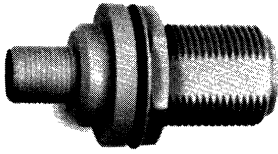
N JACK — FLANGE MOUNT — CRIMP ON



S/C Part No.	Cable RG-/U	Dimension		Mtg. Plate	Engr. Data
		A	B		
25JF113-1	9,214	1-5/8	21/32	1A	Crimp Captive Contact
25JF113-2	8,213	1-5/8	21/32	1A	Crimp Captive Contact

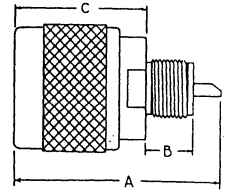
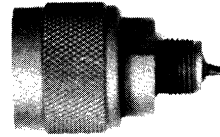
N SERIES

N JACK — SINGLE HOLE MOUNT — CRIMP ON



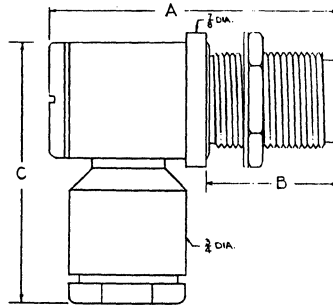
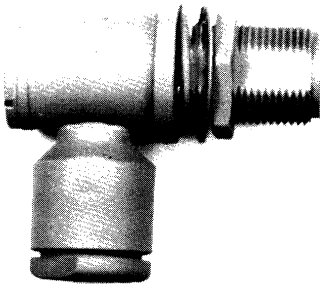
S/C Part No.	Cable RG-/U	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
25JS134-1	8,213	1-53/64	7/8	59/64	DD1	Crimp Captive Contact
25JS134-2	9,214	1-53/64	7/8	59/64	DD1	Crimp Captive Contact

N PLUG RECEPTACLE — SCREW MOUNT



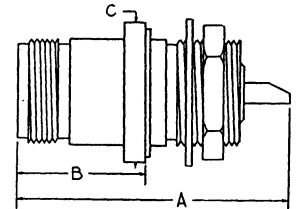
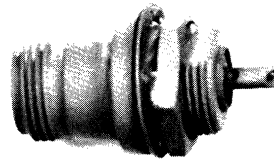
S/C Part No.	Dimension			Engr. Data
	A	B	C	
25PR113-1	1-5/16	19/64	7/8	Screws into 3/8-32 Tapped Hole

N JACK — SINGLE HOLE MOUNT — RIGHT ANGLE



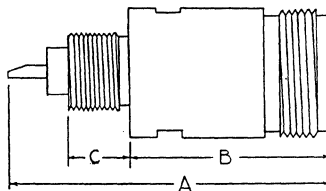
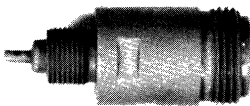
S/C Part No.	Cable RG-/U	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
		A	B	C			
25JS127-2	8,9,213, 214	1-9/16	55/64	1-21/32	DD1		AI-47

N JACK RECEPTACLE — SINGLE HOLE MOUNT



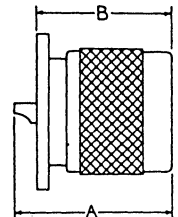
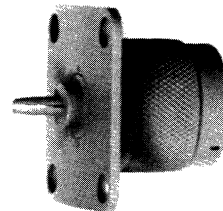
S/C Part No.	UG-/U No.	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
25JR129-1	UG-680A/U	1-7/16	45/64	13/16	DD1	Herm. Sealed

N JACK RECEPTACLE — SCREW MOUNT



S/C Part No.	Dimension			Engr. Data
	A	B	C	
25JR140-1	1-25/64	61/64	19/64	Screws into 3/8-32 Tapped Hole
25JR161-1	1-13/64	5/8	19/64	Screws into 3/8-32 Tapped Hole

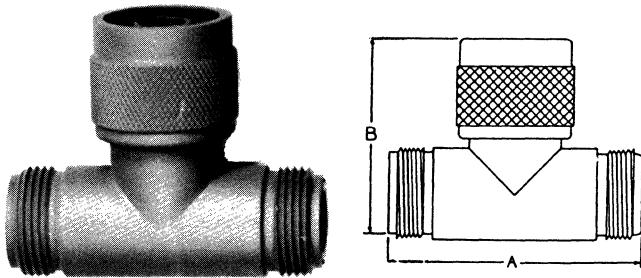
N PLUG RECEPTACLE — FLANGE MOUNT



S/C Part No.	UG-/U No.	Dimension		Mtg. Plate	Engr. Data
		A	B		
25PR102-2		1-1/64	7/8	1A	

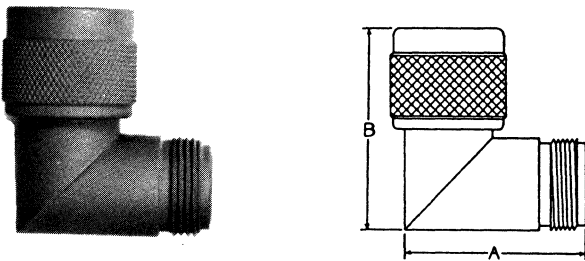
N SERIES

N ADAPTER TEE



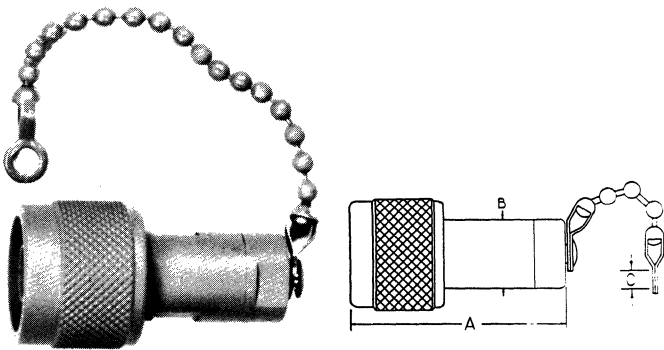
S/C Part No.	UG-/U No.	Adapter Ends	Dimension		Engr. Data
			A	B	
25AT101-1	UG-107B/U	Jack-Plug-Jack	1-3/4	1-29/64	

N ADAPTER — RIGHT ANGLE



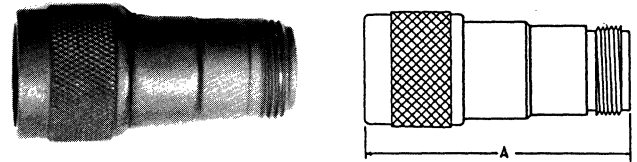
S/C Part No.	UG-/U No.	Adapter Ends	Dimension		Engr. Data
			A	B	
25AR101-1	UG-27B/U	Plug-Jack	1-3/16	1-3/8	Mitre Style
25AR102-1	UG-27D/U	Plug-Jack	1-17/64	1-9/32	Cube Style
25AR102-2	UG-27C/U	Plug-Jack	1-17/64	1-9/32	Cube Style

N PLUG TERMINATION



S/C Part No.	Resistor		Dimension			Engr. Data
	Ohm	Watt	A	B	C	
25PO100-1	51	1/2	1-1/2	1/2	.144	3-1/2" Bead Chain
25PO105-1	51	1/2	1-1/2	1/2		No Chain

N ADAPTER



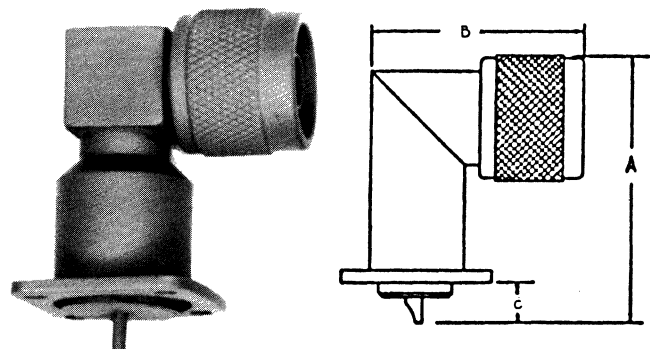
S/C Part No.	Adapter Ends	Dimension		Engr. Data
		A		
25A102-1	Plug-Jack	1-11/16		50 Ohm Plug - 75 Ohm Jack

N JACK RECEPTACLE — FLANGE MOUNT



S/C Part No.	UG-/U No.	Dimension		Mtg. Plate	Engr. Data
		A	B		
25JR109-1	UG-58A/U	1-1/8	47/64	1A	

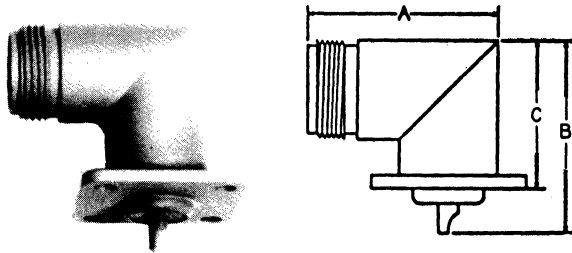
N PLUG RECEPTACLE — RIGHT ANGLE — FLANGE MOUNT



S/C Part No.	Dimension			Mtg. Plate	Engr. Data
	A	B	C		
25PR122-1	1-35/64	1-21/64	5/16	1A	

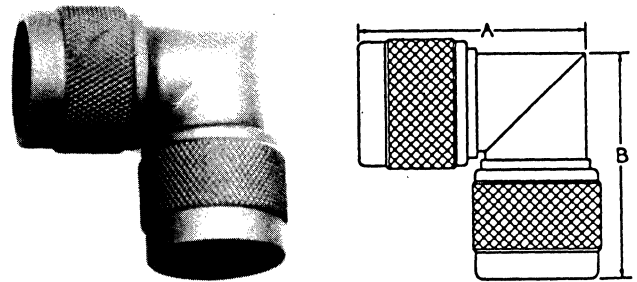
N SERIES

N JACK RECEPTACLE — RIGHT ANGLE — FLANGE MOUNT



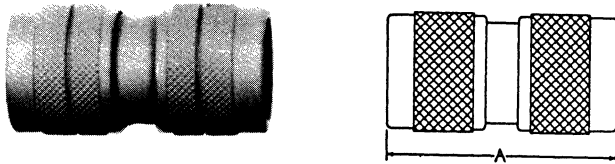
S/C Part No.	UG-/U No.	Dimension			Mtg. Plate	Engr. Data
		A	B	C		
25JR117-1	UG-997A/U	1-7/32	1-29/64	1-9/64	1A	

N ADAPTER — RIGHT ANGLE



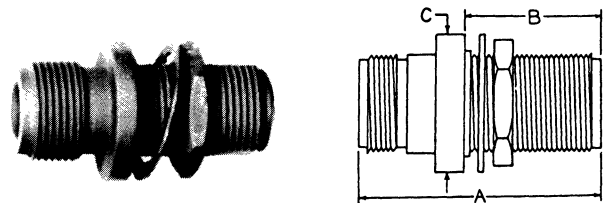
S/C Part No.	UG-/U No.	Adapter Ends	Dimension		Engr. Data
			A	B	
25AR100-1		Plug-Plug	1-3/8	1-3/8	

N ADAPTER



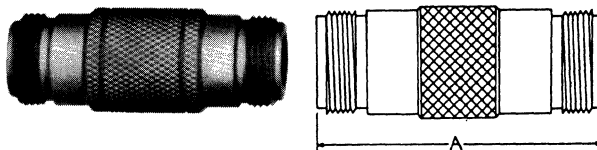
S/C Part No.	UG-/U No.	Adapter Ends	Dimension	Engr. Data
			A	
25A100-1	UG-57B/U	Plug-Plug	1-19/32	Precision
25A107-2		Plug-Plug	1-19/32	

N ADAPTER — SINGLE HOLE MOUNT



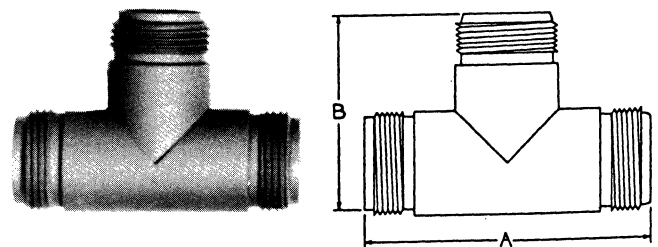
S/C Part No.	UG-/U No.	Adapter Ends	Dimension			Mtg. Hole	Engr. Data
			A	B	C		
25AS100-1	UG-30D/U	Jack-Jack	1-35/64	55/64	7/8	DD1	Herm. Seal
25AS102-1	UG-30E/U	Jack-Jack	1-35/64	55/64	7/8	DD1	Herm. Seal

N ADAPTER



S/C Part No.	UG-/U No.	Adapter Ends	Dimension	Engr. Data
			A	
25A101-1	UG-29B/U	Jack-Jack	1-3/4	Precision
25A108-2		Jack-Jack	1-7/8	

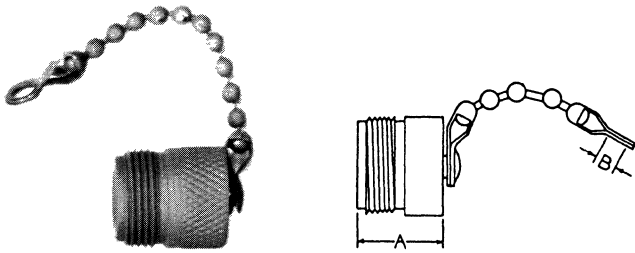
N ADAPTER TEE



S/C Part No.	UG-/U No.	Adapter Ends	Dimension		Engr. Data
			A	B	
25AT100-1	UG-28A/U	Jack-Jack-Jack	1-3/4	1-7/32	

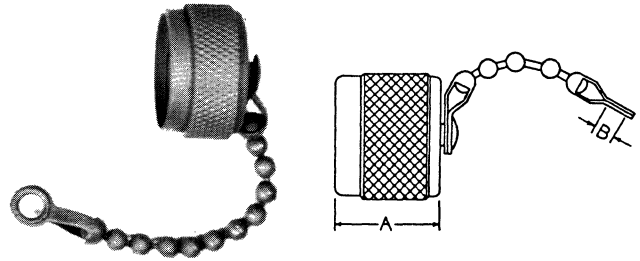
N SERIES

N JACK CAP & CHAIN



S/C Part No.	UG-U No.	Dimension		Engr. Data
		A	B	
25JC100-1		11/16	.144	2-1/2" Bead Chain
25JC103-1		11/16		Shorting Cap - No Chain

N PLUG CAP



S/C Part No.	UG-U No.	Dimension		Engr. Data
		A	B	
25PC100-1	MX-913/U	7/16	.144	2-1/2" Bead Chain
25PC101-2		7/16		No Chain
25PC103-1		47/64		Shorting Cap - No Chain

N

SERIES - 75 OHM

These connectors are the same as the standard 50 ohm 'N' connectors but have a smaller center contact and a larger I.D. in the body. They do not mate with the 50 ohm connectors. They have been labeled 70 ohm connectors in the past but are more properly 75 ohm because of the cables they are used with. They are useful up to 2 GHz and have the same weatherproof features and rugged construction as the 50 ohm styles.

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

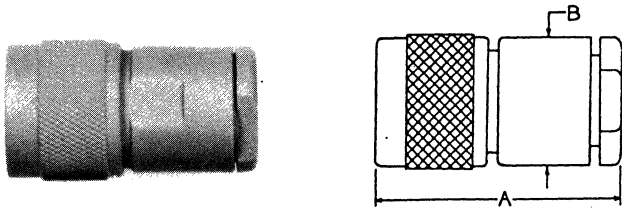
FINISHES: Silver plating per QQ-S-365
Gold plating per MIL-G-45204
Proprietary bright nickel (IP23)

ELECTRICAL: Impedance 50 ohms
Frequency range: Up to 2 GHz
Insulation resistance: 5000 Megohms
Voltage rating: 1000 VRMS
Contact resistance: Center 1.0 MILLIOHMS max.
Outer .2 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)

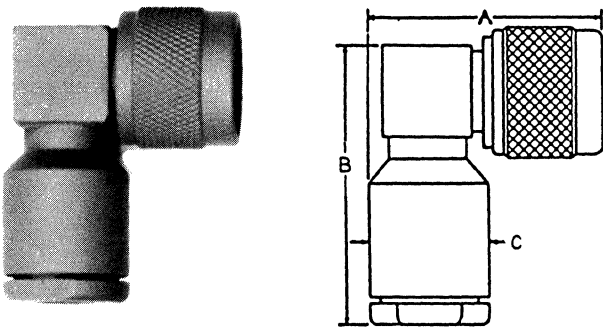
N SERIES - 75 OHM

N PLUG — 75 OHM



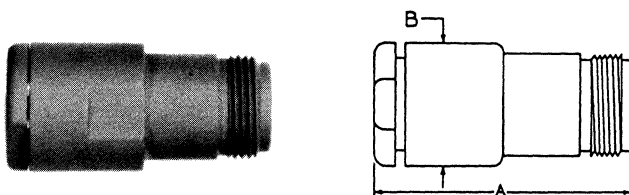
S/C Part No.	UG-/U No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
			A	B		
257P108-1		Belden 8281	1-1/2	3/4		
25P164-1		59	1-3/8	1/2	Straight Cut Style	AI-12
25P165-1		59,62	1-3/8	1/2		
25P170-1		Belden 8281,9231	1-3/8	1/2	Captive Contact	
27P171-1		216	1-1/2	3/4	Straight Cut Style	AI-81
25P171-2		11 Belden 8238	1-1/2	3/4	Straight Cut Style	AI-81
25P176-1	UG91A/U	6	1-3/4	11/16		

N PLUG — RIGHT ANGLE — 75 OHM



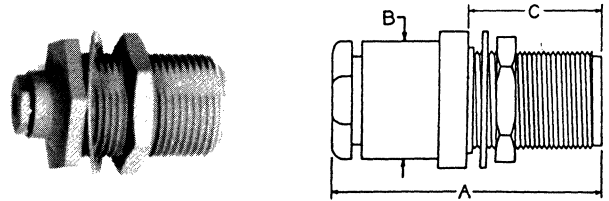
S/C Part No.	Cable RG-U	Dimension			Engr. Data	Assy. Inst.
		A	B	C		
25P172-1	216	1-3/8	1-19/32	3/4	Straight Cut Style	AI-81

N JACK — 75 OHM



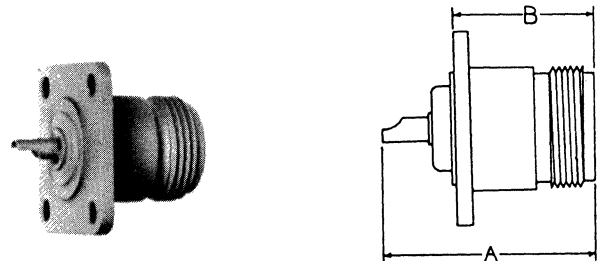
S/C Part No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
		A	B		
25J124-1	59,62	1-25/64	1/2	Straight Cut Style	AI-12

N JACK — SINGLE HOLE MOUNT — 75 OHM



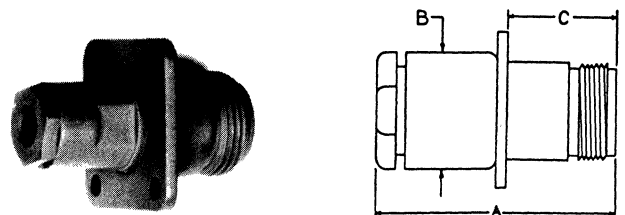
S/C Part No.	Cable RG-U	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
257JS102-1	Belden 8281	1-3/4	3/4	59/64	DD1	
25JS111-1	59,62	1-41/64	1/2	59/64	DD1	Captive Contact
25JS137-1	187,179	1-41/64	1/2	59/64	DD1	

N JACK RECEPTACLE — FLANGE MOUNT — 75 OHM



S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
25JR116-1	1-1/8	47/64	1A	
25JR152-1	1-1/8	7/8	2B	

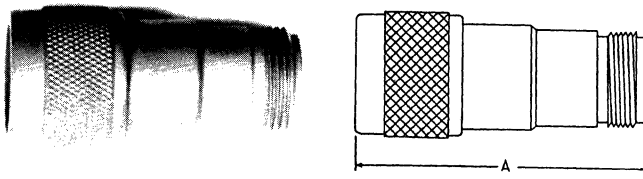
N JACK — FLANGE MOUNT — 75 OHM



S/C Part No.	Cable RG-U	Dimension			Mtg. Plate	Engr. Data
		A	B	C		
25JF104-1	59	1-25/64	1/2	21/32	1A	

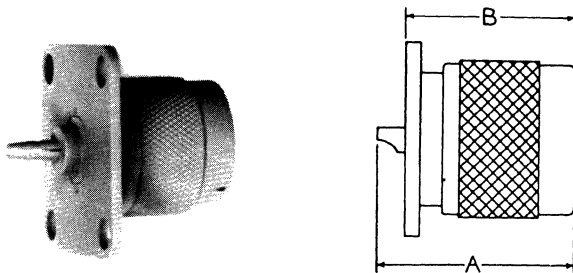
N SERIES - 75 OHM

N ADAPTER



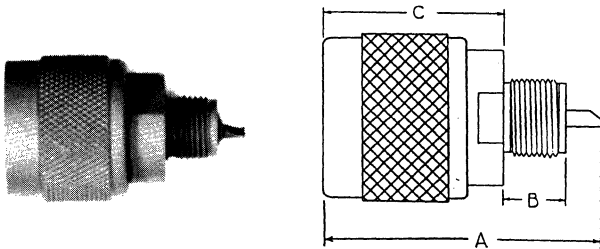
S/C Part No.	Adapter Ends	Dimension		Engr. Data
		A		
25A102-1	Plug-Jack	1-11/16		50 Ohm Plug - 75 Ohm Jack

N PLUG RECEPTACLE — FLANGE MOUNT — 75 OHM



S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
257PR104-1	1-3/32	7/8	1A	

N PLUG RECEPTACLE — SCREW MOUNT — 75 OHM



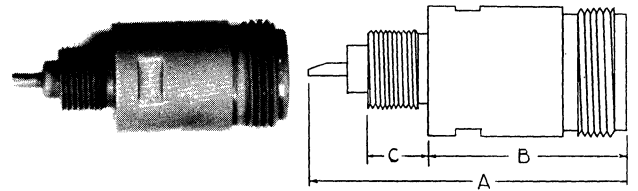
S/C Part No.	Dimension			Engr. Data
	A	B	C	
25PR114-1	1-5/16	19/64	7/8	Screws into 3/8-22 Tapped Hole

N JACK CAP — SHORTING — 75 OHM



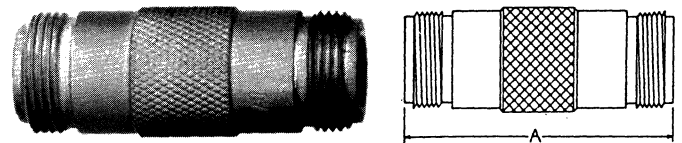
S/C Part No.	Dimension		Engr. Data
	A		
25JC102-1	27/32		Shorting Cap

N JACK RECEPTACLE — SCREW MOUNT — 75 OHM



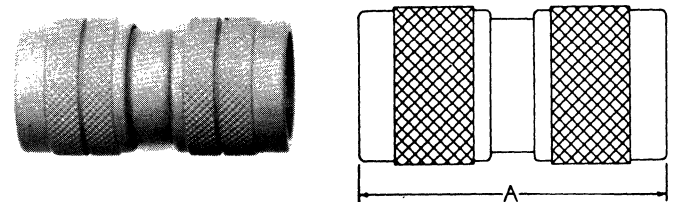
S/C Part No.	Dimension			Engr. Data
	A	B	C	
25JR134-1	1-33/64	61/64	19/64	Screws into 3/8-32 Tapped Hole

N ADAPTER — 75 OHM



S/C Part No.	Adapter Ends	Dimension		Engr. Data
		A		
25A106-1	Jack-Jack	1-7/8		

N ADAPTER — 75 OHM



S/C Part No.	Adapter Ends	Dimension		Engr. Data
		A		
25A105-1	Plug-Plug	1-19/32		

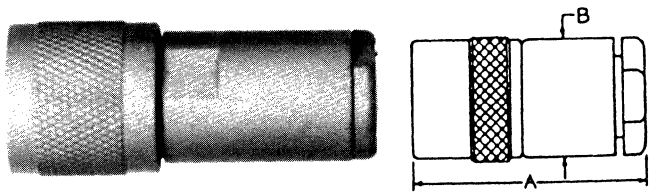
C SERIES

The C series are general purpose medium size connectors. They fit the same size cables as the 'N' series. They compliment the 'N' series by offering the same size fitting for the same cables except the 'C' series has a bayonet coupling mechanism. They are also weatherproof and built to withstand rugged environments.

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:	Impedance 50 ohms Frequency range: DC to 12 GHz Insulation resistance: 5000 Megohms Voltage rating: 1000 VRMS Contact resistance: Center 1.0 MILLIOHMS max. Outer .15 MILLIOHMS max. silver and gold only
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)

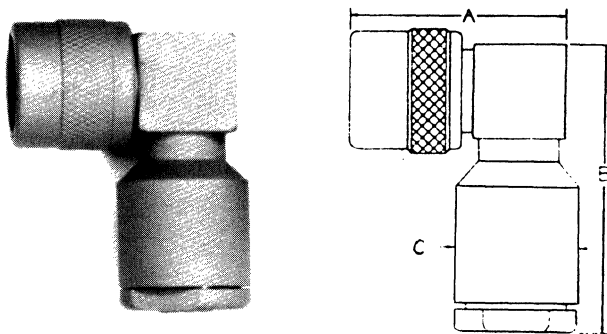
C SERIES

C PLUG



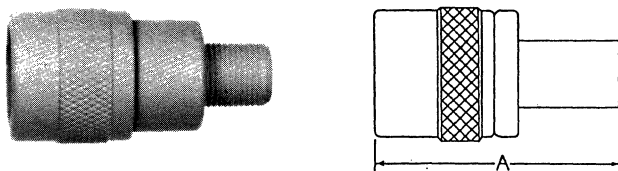
S/C Part No.	UG-U No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
			A	B		
27P100-1	UG-5738/U	8,8A,9 9A,213, 214	1-31/64	3/4		
27P108-3		8,213	1-1/2	3/4	Straight Cut Style	AI-81
27P108-5		9,214	1-1/2	3/4	Straight Cut Style	AI-81
27P110-2		58	1-3/8	1/2	Straight Cut Style	AI-12
27P110-3		122	1-3/8	1/2	Straight Cut Style	AI-12
27P110-4		303	1-3/8	1/2	Straight Cut Style	AI-12
27P110-5		59	1-3/8	1/2	Straight Cut Style	AI-12

C PLUG RIGHT ANGLE



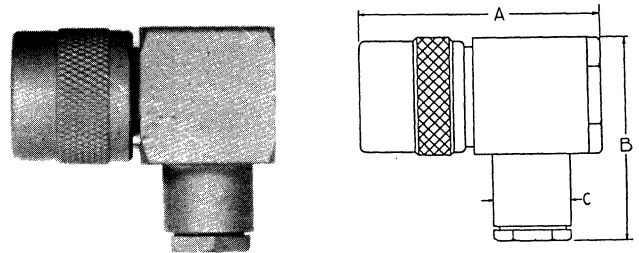
S/C Part No.	UG-U No.	Cable RG-U	Dimension			Engr. Data	Assy. Inst.
			A	B	C		
27P101-1	UG-710B/U	8,9,213 214	1-1/4	1-15/32	3/4		
27P112-1		8,213	1-1/4	1-19/32	3/4	Straight Cut Style	AI-81
27P112-3		9,214	1-1/4	1-19/32	3/4	Straight Cut Style	AI-81
27P119-1		8,9,213 214	1-1/4	1-19/32	3/4	Captive Contact	AI-71

C PLUG — CRIMP ON



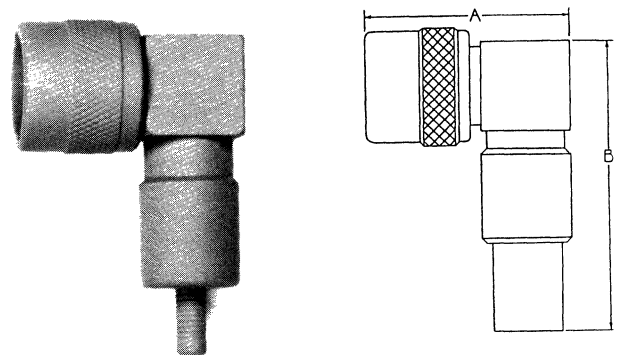
S/C Part No.	Cable RG-U	Crimp Tool	Dimension	Engr. Data
			A	
27P120-1	8,213	.429 HEX	1-43/64	Crimp Captive Contact
27P120-2	9,214	.429 HEX	1-43/64	Crimp Captive Contact
27P120-3	58	.213 HEX	1-9/16	Crimp Captive Contact

C PLUG RIGHT ANGLE



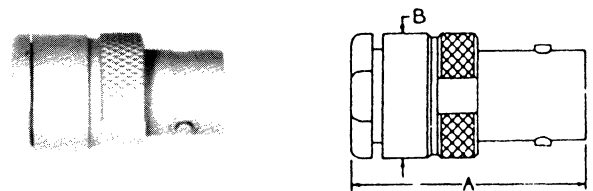
S/C Part No.	Cable RG-U	Dimension			Engr. Data	Assy. Inst.
		A	B	C		
27P106-1	58,223	1-9/16	1-1/4	1/2		
27P106-2	59,62	1-9/16	1-1/4	1/2		
27P113-1	58	1-35/64	1-1/4	1/2	Straight Cut Style	AI-19

C PLUG — RIGHT ANGLE



S/C Part No.	Cable RG-U	Crimp Tool	Dimension		Engr. Data
			A	B	
27P122-1	8,213	.429 HEX	1-1/4	2-3/32	Crimp Captive Contact
27P122-2	9,214	.429 HEX	1-1/4	2-3/32	Crimp Captive Contact
27P122-3	58	.213 HEX	1-1/4	2"	Crimp Captive Contact

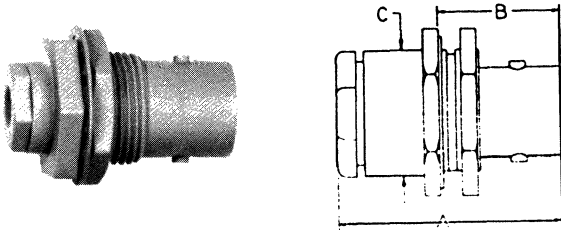
C JACK



S/C Part No.	UG-U No.	Cable RG-U	Dimension		Engr. Data	Assy. Inst.
			A	B		
27J101-1	UG-572/U	8,9	1-11/32	3/4		
27J102-1	UG-633/U	5,6	1-11/32	3/4		
27J105-2		58	1-1/4	1/2	Straight Cut Style	AI-12
27J105-4		303	1-1/4	1/2	Straight Cut Style	AI-12
27J105-5		59	1-1/4	1/2	Straight Cut Style	AI-12
27J106-1		5,212	1-23/64	3/4	Straight Cut Style	AI-81
27J106-4		9,214	1-23/64	3/4	Straight Cut Style	AI-81

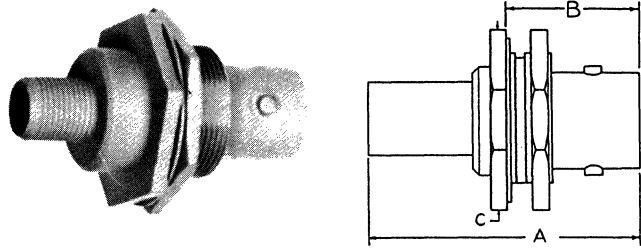
C SERIES

C JACK — SINGLE HOLE MOUNT



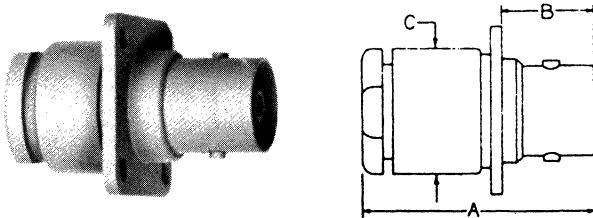
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
			A	B	C			
27JS100-1	UG-570/U	55,58	1-11/32	3/4	3/4	D2		
27JS102-1		8,9	1-11/32	3/4	3/4	D2		
27JS103-1		5,6	1-11/32	3/4	3/4	D2		
27JS104-1		174,316	1-43/64	3/4	1/2	D2	Herm. Sealed - Str. Cut Style	AI-12
27JS104-2		58	1-43/64	3/4	1/2	D2	Herm. Sealed - Str. Cut Style	AI-12
27JS111-1		59	1-1/4	7/8	1/2	D3	Str. Cut Style	AI-12
27JS112-2		8,213	1-23/64	3/4	3/4	D2	Str. Cut Style	AI-81
27JS112-4		9,214	1-23/64	3/4	3/4	D2	Str. Cut Style	AI-81
27JS116-1		58	1-1/4	7/8	1/2	D3	Str. Cut Style	AI-12
27JS121-1		58,223	1-1/4	7/8	1/2	D3	Captive Contact	

C JACK — SINGLE HOLE MOUNT — CRIMP ON



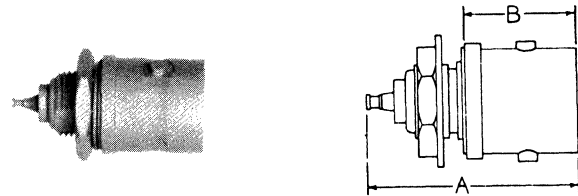
S/C Part No.	Cable RG-/U	Crimp Tool	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
			A	B	C			
27JS114-1	58	.213 HEX	1-19/32	7/8	3/4	D3	Captive Contact	AI-37
27JS115-1	223	.213 HEX	1-27/64	19/32	3/4	D3	Reverse Mount	
27JS125-1	8,213	.429 HEX	1-13/16	57/64	1"	D2	Crimp Cap. Contact	
27JS125-2	9,214	.429 HEX	1-13/16	57/64	1"	D2	Crimp Cap. Contact	

C JACK — FLANGE MOUNT



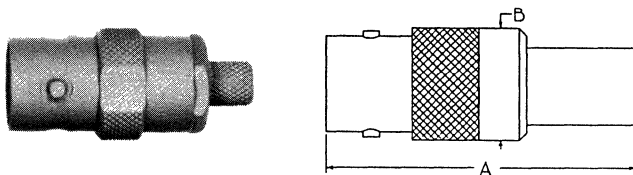
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension			Mtg. Plate	Engr. Data
			A	B	C		
27JF100-1	UG-571/U	8,9	1-11/32	11/16	3/4	1B	
27JF101-1	UG-629/U	5,6	1-11/32	11/16	3/4	1B	
27JF103-1		58,223	1-13/64	11/16	1/2	1A	Captive Contact

C JACK RECEPTACLE — SINGLE HOLE MOUNT



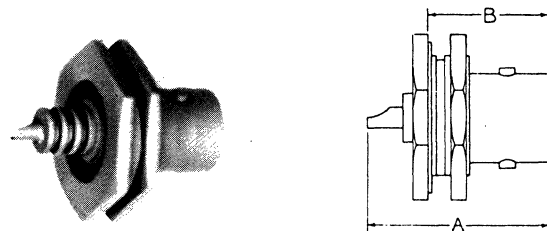
S/C Part No.	UG-/U No.	Dimension		Mtg. Hole	Engr. Data
		A	B		
27JR101-1	UG-706A/U	1-3/32	37/64	D7	
27JR102-1	UG-706B/U	1-3/32	37/64	D8	
27JR111-2		1-9/64	37/64	D8	Herm. Sealed

C JACK — CRIMP ON



S/C Part No.	Cable RG-/U	Crimp Tool	Dimension		Engr. Data
			A	B	
27J107-1	8,213	.429 HEX	1-3/4	5/8	Crimp Captive Contact

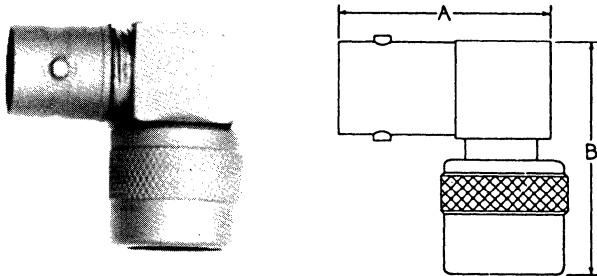
C JACK RECEPTACLE — SINGLE HOLE MOUNT



S/C Part No.	UG-/U No.	Dimension		Mtg. Hole	Engr. Data
		A	B		
27JR100-1	UG-634/U	1-5/16	3/4	D2	High Voltage
27JR103-1	UG-569/U	1-3/32	3/4	D2	
27JR109-1		1-5/16	1	D2	No Gasket

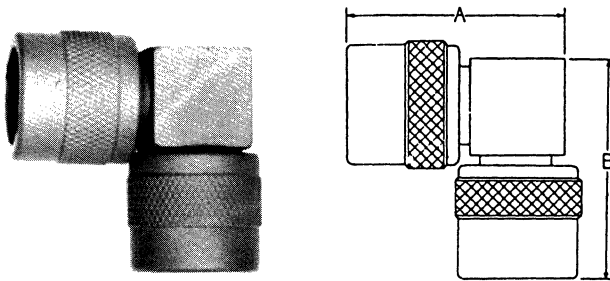
C SERIES

C ADAPTER RIGHT ANGLE



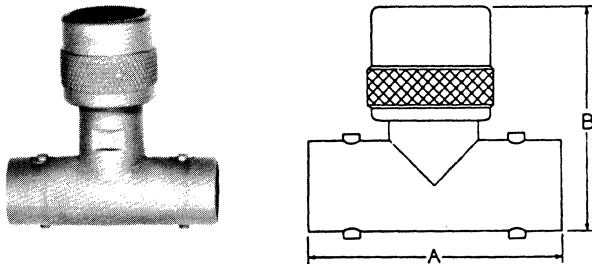
S/C Part No.	UG-/U No.	Adapter Ends	Dimension		Engr. Data
			A	B	
27AR100-1	UG-567A/U	Plug-Jack	1-1/4	1-1/4	

C ADAPTER RIGHT ANGLE



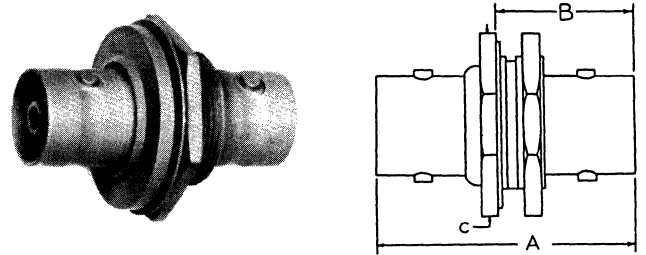
S/C Part No.	UG-/U No.	Adapter Ends	Dimension		Engr. Data
			A	B	
27AR101-1		Plug-Plug	1-1/4	1-1/4	

C ADAPTER TEE



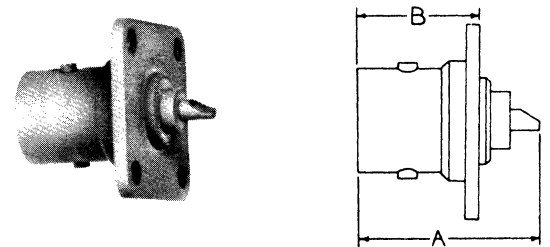
S/C Part No.	UG-/U No.	Adapter Ends	Dimension		Engr. Data
			A	B	
27AT100-1	UG-566A/U	Jack-Plug-Jack	1-33/64	1-21/64	

C ADAPTER — JACK-JACK — SINGLE HOLE MOUNT



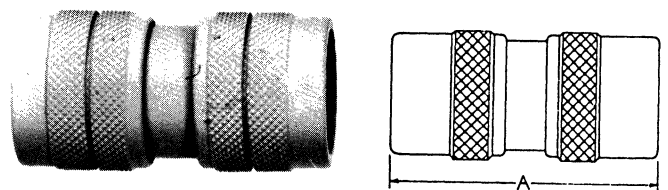
S/C Part No.	UG-/U No.	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
27AS100-1	UG-1138A/U	1-1/2	55/64	1"	D2	Herm. Seal

C JACK RECEPTACLE — FLANGE MOUNT



S/C Part No.	UG-/U No.	Dimension		Mtg. Hole	Engr. Data
		A	B		
27JR104-1	UG-568/U	1-3/32	3/4	1B	
27JR104-4		1-3/32	3/4	1A	

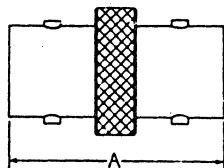
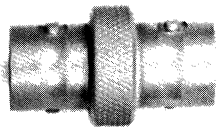
C ADAPTER



S/C Part No.	UG-/U No.	Adapter Ends	Dimension	Engr. Data
			A	
27A100-1	UG-642A/U	Plug-Plug	1-29/64	

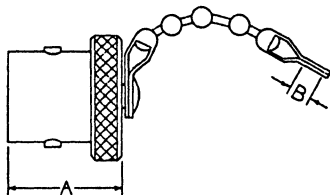
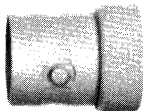
C SERIES

C ADAPTER



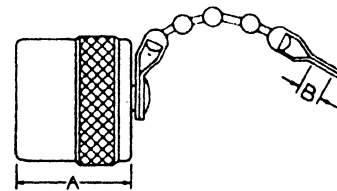
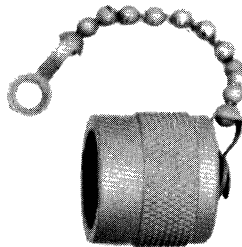
S/C Part No.	UG-/U No.	Adapter Ends	Dimension		Engr. Data
			A		
27A101-1	UG-643/U	Jack-Jack	1-9/32		

C JACK CAP & CHAIN



S/C Part No.	Mil Type	Dimension		Engr. Data
		A	B	
27JC100-1	MX-1143A/U	57/64	.144	3" Bead Chain
27JC101-1		3/4		Shorting Cap - No Chain

C PLUG CAP & CHAIN



S/C Part No.	Mil Type	Dimension		Engr. Data
		A	B	
27PC100-1	MX-1142/U	11/16	.144	2-1/2" Bead Chain
27PC101-1		7/8		Shorting Cap - No Chain

C TRIAX SERIES

The C triax series was designed to accommodate the larger size triaxial cables. It is the same physical size as the standard 'C' series and has the same mating action. These connectors only mate within their own series.

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

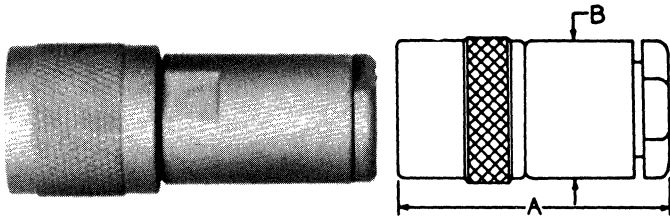
FINISHES: Silver plating per QQ-S-365
Gold plating per MIL-G-45204
Proprietary bright nickel (IP23)

ELECTRICAL: Impedance - non constant
Insulation resistance: 5000 Megohms
Voltage rating: 500 VRMS
Contact resistance: Center 2.0 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)

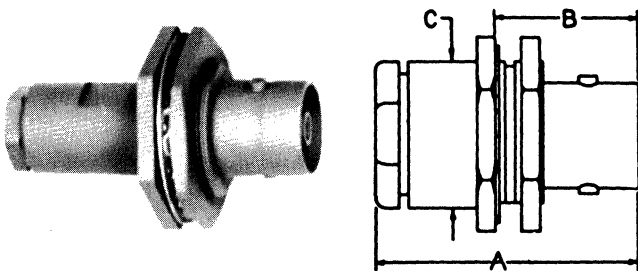
C TRIAx SERIES

C TRIAX PLUG



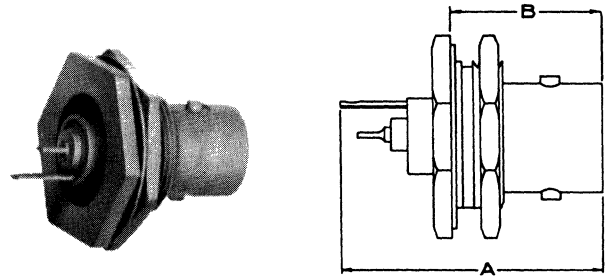
S/C Part No.	Triaxial Cable	Dimension		Engr. Data
		A	B	
34P100-1	Essex 21-583	2-1/16	3/4	
34P100-2	Essex 21-527	2-1/16	3/4	
34P100-3	Essex 21-529	2-1/16	3/4	

C TRIAX JACK — SINGLE HOLE MOUNT



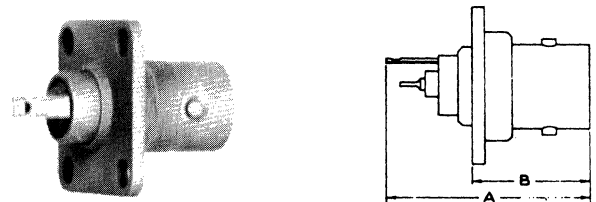
S/C Part No.	Triaxial Cable	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
34JS100-1	Essex 21-583	1-31/32	3/4	3/4	D2	
34JS100-2	Essex 21-527	1-31/32	3/4	3/4	D2	
34JS100-3	Essex 21-529	1-31/32	3/4	3/4	D2	

C TRIAX JACK RECEPTACLE — SINGLE HOLE MOUNT



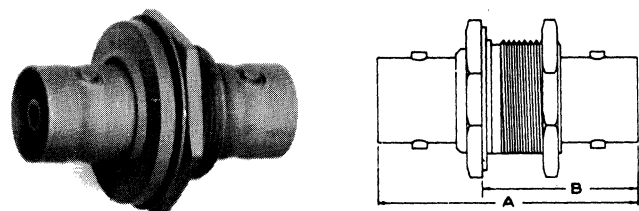
S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
34JR100-1	1-5/16	53/64	D2	

C TRIAX JACK RECEPTACLE — FLANGE MOUNT



S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
34JR102-1	1-5/16	3/4	1C	

C TRIAX ADAPTER — JACK-JACK — SINGLE HOLE MOUNT



S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
34AS102-1	1-21/32	1	D2	

TPS SERIES

The TPS series was designed for use in military communications and surveillance systems where space and weight limitations are critical. They are small size, rugged, three pin bayonet locking connectors with a nominal impedance of 50 ohms. They are covered by specifications MIL-C-55235. They operate satisfactorially up to 10 GHZ and will withstand severe environmental conditions.

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

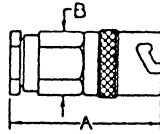
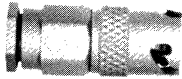
FINISHES: Silver plating per QQ-S-365
Gold plating per MIL-G-45204
Proprietary bright nickel (IP23)

ELECTRICAL: Impedance 50 ohms
Insulation resistance: 50 Megohms
Dielectric withstanding voltage: 1000 VRMS
Contact resistance: Center 2.5 MILLIOHMS max.
Outer 3.0 MILLIOHMS max.
Frequency range: to 10 GHZ

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)
Vibration MIL-STD-202 (Method 204)
Shock: MIL-STD-202 (Method 213)
Thermal shock: MIL-STD-202 (Method 107)

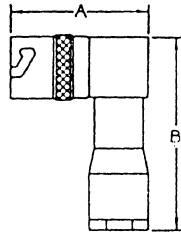
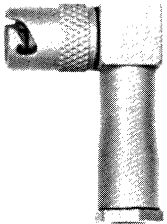
TPS SERIES

TPS PLUG



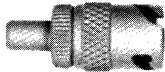
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
			A	B		
23P102-9		174	15/16	11/32	Straight Cut Style	AI-12
23P104-1	UG-1366/U	58C/U	15/16	11-32		AI-23
23P105-1	UG-1412/U	55,223	15/16	11/32		AI-23
23P107-1		188	15/16	11/32	Gold Finish	AI-54
23P107-2		195	15/16	11/32	Gold Finish	AI-54
23P110-1		59	13/64	7/16	Straight Cut Style	AI-12

TPS PLUG — RIGHT ANGLE



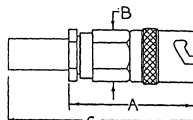
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
			A	B		
23P103-1		55,223	53/64	1-3/16		AI-23
23P106-1		58C/U	53/64	1-3/16		AI-23
23P109-1		188	53/64	1-3/16	Gold Finish	AI-54
23P109-2		195	53/64	1-3/16	Gold Finish	AI-54

TPS PLUG — SHORT CRIMP



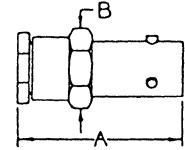
S/C Part No.	Cable RG-/U	Crimp Tool	Dimension	Engr. Data	Assy. Inst.
			A		
23P111-1	174, 187, 188	.128 HEX	1-7/64		AI-26
23P111-2	58	.213 HEX	1-7/64		AI-26

TPS PLUG — LONG CRIMP



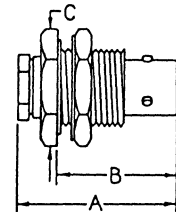
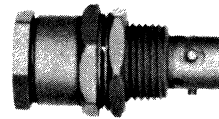
S/C Part No.	Cable RG-/U	Crimp Tool	Dimension			Engr. Data
			A	B	C	
23P116-1	55,223	.213 HEX	15/16	11/32	1-7/16	Captive Contact

TPS JACK



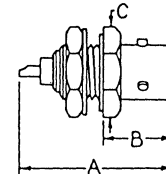
S/C Part No.	UG-/U No.	Cable RG-/U	Dimension		Engr. Data	Assy. Inst.
			A	B		
23J101-1	UG-1415/U	58C/U	15/16	3/8		AI-23
23J101-2	UG-1416/U	55,223	15/16	3/8		AI-23

TPS JACK — SINGLE HOLE MOUNT



S/C Part No.	UG-/U No.	Cable RG-/U	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
			A	B	C			
23JS102-1		59,62	1-7/64	11/16	9/16	D5		
23JS103-1	UG-1364/U	58C/U	7/8	11/16	9/16	D5		AI-23
23JS104-1	UG-1413/U	55,223	7/8	11/16	9/16	D5		AI-23
23JS105-1		188	59/64	11/16	9/16	D5	Gold Finish	AI-54
23JS105-2		195	59/64	11/16	9/16	D5	Gold Finish	AI-54
23JS107-1		122	59/64	11/16	9/16	D5		AI-23

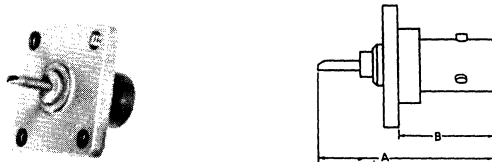
TPS JACK RECEPTACLE — SINGLE HOLE MOUNT



S/C Part No.	UG-/U No.	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
23JR100-1	UG-1443/U	1	13/32	7/16	D9	
23JR102-1		7/8	13/32	7/16	D9	
23JR103-2	UG-1365/U	1-7/64	13/32	7/16	D9	
23JR103-3		1-3/32	27/64	7/16	D9	Gold Finish
23JR104-1		1-7/64	11/16	9/16	D5	Reverse Mount - Gold
23JR109-1		51/64	37/64	9/16	D5	Reverse Mount

TPS SERIES

TPS JACK RECEPTACLE — FLANGE MOUNT



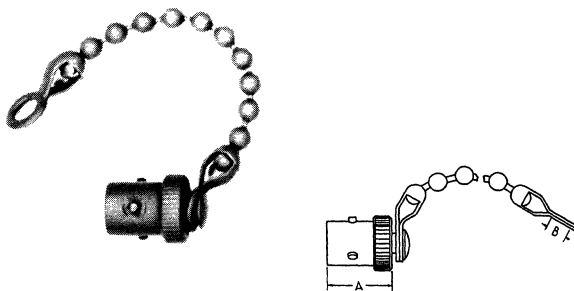
S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
23JR105-1	3/4	25/64	4A	Gold Finish
23JR110-1	1	35/64	3A	
23JR111-1	23/32	5/16	3A	

TPS ADAPTER — PLUG-PLUG



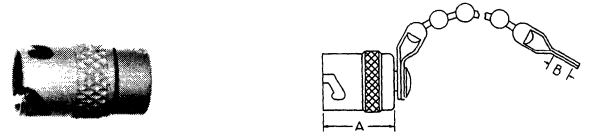
S/C Part No.	Dimension	Engr. Data
	A	
23A101-1	1-5/32	Gold Finish

TPS JACK — CAP



S/C Part No.	UG-U No.	Dimension		Engr. Data
		A	B	
23JC100-1	CW-768/U	7/16	.144	2-1/2" Chain

TPS PLUG — CAP



S/C Part No.	Dimension		Engr. Data
	A	B	
23PC100-1	43/64		Shorting Plug - No Chain
23PC101-2	31/64	.144	2-1/2" Bead Chain

TPS ADAPTER — JACK-JACK



S/C Part No.	Dimension	Engr. Data
	A	
23A102-1	1-3/32	Gold Finish

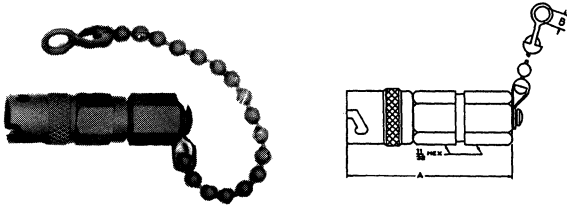
TPS ADAPTER — JACK-JACK — SINGLE HOLE MOUNT



S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
23AS100-2	1-3/32	11/16	9/16 HEX	D5	UG-1367/U
23AS101-1	1-13/64	13/16	9/16	D5	

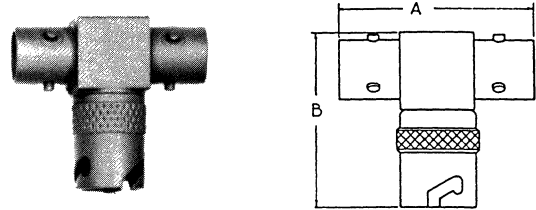
TPS SERIES

TPS PLUG TERMINATION



S/C Part No.	Resistor 5%	Dimension		Engr. Data
		A	B	
23PO100-1	51 OHM 1/2 WATT	1-13/64	.144	3-1/2" Chain
23PO100-2	75 OHM 1/2 WATT	1-13/64	.144	3-1/2" Chain
23PO100-3	91 OHM 1/2 WATT	1-13/64	.144	3-1/2" Chain

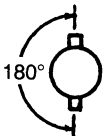
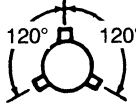
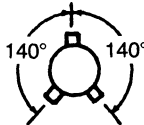
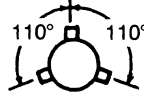
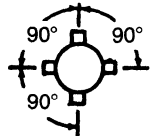
TPS ADAPTER — TEE



S/C Part No.	Dimension		Engr. Data
	A	B	
23AT101-1	63/64	7/8	Gold Finish

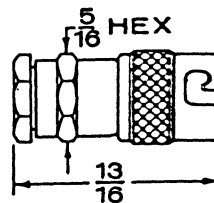
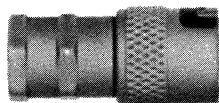
FG SERIES

The 'FG' series connectors are miniature bayonet locking styles that are manufactured to meet the requirements of MIL-C-25516. They are usable up to 300 megacycles and are designed for extreme environmental conditions and feature excellent cable retention properties. They are polarized in a variety of combinations by the use of different lug locations and by changing contact sex. Parts noted in the data as having nylon clamps accommodate unshielded hook up wire. Other fittings accommodate a wide range of coaxial cables.

POLARITY	CONTACT		BAYONET LOCK
	● MALE ○ FEMALE		
	PLUG	JACK	
A	○	●	
B	●	○	
E	○	●	
F	●	○	
J	○	●	
K	●	○	
L	○	●	
M	●	○	
N	○	●	
O	●	○	

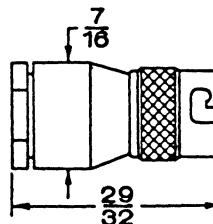
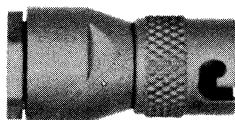
FG SERIES

FG PLUG



S/C Part No. by Polarity									Gasket Mtl.	Cable Range-Dia.				Engr. Data
A	B	E	F	J	K	L	M	DASH		Jacket		Ins. Max.	Cond. Max.	
										Max.	Min.			
20P100	20P101	20P102	20P103	20P104	20P105	20P106	20P107	-5	Buna-N	.095	.075	.066	.035	Gold Finish Brass Cable Clamps
20P100	20P101	20P102	20P103	20P104	20P105	20P106	20P107	-7	Buna-N	.095	.075	.092	.048	
20P100	20P101	20P102	20P103	20P104	20P105	20P106	20P107	-8	Buna-N	.095	.075	.108	.048	
20P100	20P101	20P102	20P103	20P104	20P105	20P106	20P107	-10	Buna-N	.115	.090	.066	.048	
20P100	20P101	20P102	20P103	20P104	20P105	20P106	20P107	-11	Buna-N	.115	.090	.071	.035	
20P100	20P101	20P102	20P103	20P104	20P105	20P106	20P107	-13	Buna-N	.115	.090	.092	.048	
20P100	20P101	20P102	20P103	20P104	20P105	20P106	20P107	-16	Buna-N	.135	.115	.092	.035	
20P100	20P101	20P102	20P103	20P104	20P105	20P106	20P107	-17	Buna-N	.135	.115	.092	.048	
20P100	20P101	20P102	20P103	20P104	20P105	20P106	20P107	-18	Buna-N	.135	.115	.108	.048	
20P100	20P101	20P102	20P103	20P104	20P105	20P106	20P107	-19	Buna-N	.150	.130	.108	.024	
20P100	20P101	20P102	20P103	20P104	20P105	20P106	20P107	-20	Buna-N	.150	.130	.108	.035	
20P110	20P111	20P112	20P113	20P114	20P115	20P116	20P117	-2	Buna-N	.065	.050	.066	.048	Gold Finish Nylon Cable Clamps for Unshielded Cable
20P110	20P111	20P112	20P113	20P114	20P115	20P116	20P117	-3	Buna-N	.080	.065	.092	.048	
20P110	20P111	20P112	20P113	20P114	20P115	20P116	20P117	-4	Buna-N	.095	.075	.092	.048	
20P110	20P111	20P112	20P113	20P114	20P115	20P116	20P117	-6	Buna-N	.115	.090	.121	.064	Rhodium Finish Brass Cable Clamps
20P120	20P121	20P122	20P123	20P124	20P125	20P126	20P127	-3	LS53	.095	.075	.066	.035	
20P120	20P121	20P122	20P123	20P124	20P125	20P126	20P127	-4	LS53	.095	.075	.066	.048	
20P120	20P121	20P122	20P123	20P124	20P125	20P126	20P127	-6	LS53	.115	.090	.071	.035	
20P120	20P121	20P122	20P123	20P124	20P125	20P126	20P127	-9	LS53	.135	.115	.092	.035	
20P120	20P121	20P122	20P123	20P124	20P125	20P126	20P127	-10	LS53	.135	.115	.108	.048	
20P130	20P131	20P132	20P133	20P134	20P135	20P136	20P137	-2	LS53	.065	.050	.066	.048	Rhodium Finish Nylon Cable Clamps for Unshielded Cable
20P130	20P131	20P132	20P133	20P134	20P135	20P136	20P137	-3	LS53	.080	.065	.092	.048	
20P130	20P131	20P132	20P133	20P134	20P135	20P136	20P137	-4	LS53	.095	.075	.092	.048	
20P130	20P131	20P132	20P133	20P134	20P135	20P136	20P137	-6	LS53	.115	.090	.121	.064	

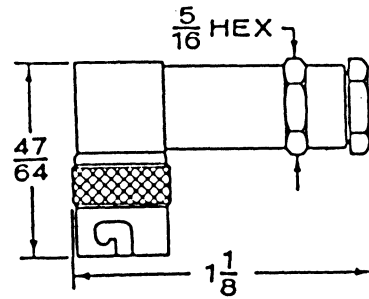
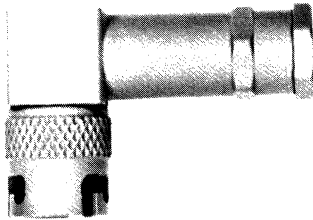
FG PLUG



S/C Part No. by Polarity									Gasket Mtl.	Cable RG-/U
A	B	E	F	J	K	L	M	Dash		
20P158	20P188	20P186	20P187	20P151	20P152			-1	Buna-N	58
20P158	20P188	20P186	20P187	20P151	20P152			-2	Buna-N	223

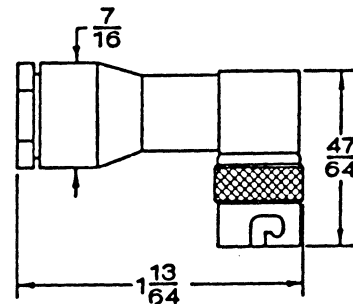
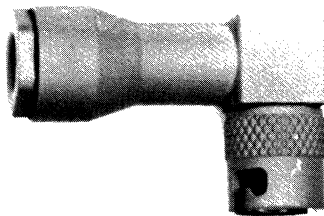
FG SERIES

FG PLUG — RIGHT ANGLE



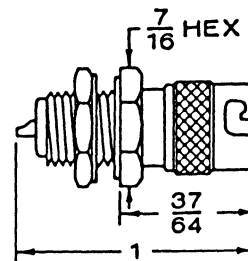
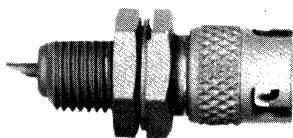
S/C Part No. by Polarity									Gasket Mtl.	Cable Range-Dia.				Engr. Data
A	B	E	F	J	K	L	M	DASH		Jacket		Ins. Max.	Cond. Max.	
										Max.	Min.			
20P160	20P161	20P162	20P163	20P164	20P165	20P166	20P167	-5	Buna-N	.095	.075	.066	.035	Gold Finish
20P160	20P161	20P162	20P163	20P164	20P165	20P166	20P167	-7	Buna-N	.095	.075	.092	.048	
20P160	20P161	20P162	20P163	20P164	20P165	20P166	20P167	-8	Buna-N	.095	.075	.108	.048	
20P160	20P161	20P162	20P163	20P164	20P165	20P166	20P167	-10	Buna-N	.115	.090	.066	.048	
20P160	20P161	20P162	20P163	20P164	20P165	20P166	20P167	-11	Buna-N	.115	.090	.071	.035	
20P160	20P161	20P162	20P163	20P164	20P165	20P166	20P167	-13	Buna-N	.115	.090	.092	.048	
20P160	20P161	20P162	20P163	20P164	20P165	20P166	20P167	-16	Buna-N	.135	.115	.092	.035	
20P160	20P161	20P162	20P163	20P164	20P165	20P166	20P167	-17	Buna-N	.135	.115	.092	.048	
20P160	20P161	20P162	20P163	20P164	20P165	20P166	20P167	-18	Buna-N	.135	.115	.108	.048	
20P160	20P161	20P162	20P163	20P164	20P165	20P166	20P167	-19	Buna-N	.150	.130	.108	.024	
20P160	20P161	20P162	20P163	20P164	20P165	20P166	20P167	-20	Buna-N	.150	.130	.108	.035	
20P170	20P171	20P172	20P173	20P174	20P175	20P176	20P177	-2	Buna-N	.065	.050	.066	.048	
20P170	20P171	20P172	20P173	20P174	20P175	20P176	20P177	-3	Buna-N	.080	.065	.092	.048	
20P170	20P171	20P172	20P173	20P174	20P175	20P176	20P177	-4	Buna-N	.095	.075	.092	.048	
20P170	20P171	20P172	20P173	20P174	20P175	20P176	20P177	-6	Buna-N	.115	.090	.121	.064	

FG PLUG — RIGHT ANGLE



S/C Part No. by Polarity									Gasket Mtl.	Cable RG/U	
A	B	E	F	J	K	L	M	Dash			
20P192	20P193	20P194	20P195						-1	Buna-N	58

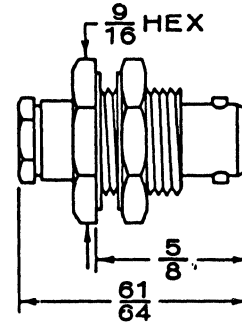
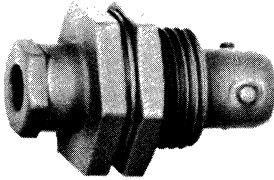
FG PLUG RECEPTACLE — SINGLE HOLE MOUNT



S/C Part No. by Polarity									Gasket Mtl.	Mtg. Dim.	
A	B	E	F	J	K	L	M	Dash		Hole Dia.	Panel Thkns.
20PR101	20PR102	20PR103	20PR104	20PR105	20PR106	20PR107	20PR108	-1	Buna-N	D9	3/32

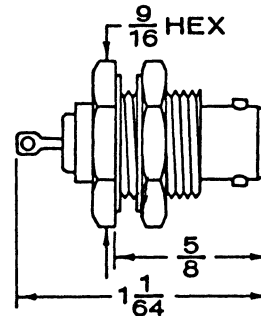
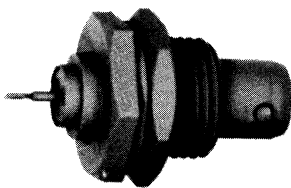
FG SERIES

FG JACK — SINGLE HOLE MOUNT



S/C Part No. by Polarity									Gasket Mtl.	Cable Range-Dia.				Mtg. Hole	Dim. Panel Thkns.	Engr. Data	
A	B	E	F	J	K	L	M	DASH		Jacket		Ins. Max.	Cond. Max.				
										Max.	Min.						
20JS100	20JS101	20JS102	20JS103	20JS104	20JS105	20JS106	20JS107	-3	Buna-N	.095	.075	.066	.035	C1	7/32	Gold Finish Brass Cable Clamps	
20JS100	20JS101	20JS102	20JS103	20JS104	20JS105	20JS106	20JS107	-5	Buna-N	.095	.075	.092	.048	C1	7/32		
20JS100	20JS101	20JS102	20JS103	20JS104	20JS105	20JS106	20JS107	-7	Buna-N	.115	.090	.066	.048	C1	7/32		
20JS100	20JS101	20JS102	20JS103	20JS104	20JS105	20JS106	20JS107	-8	Buna-N	.115	.090	.071	.035	C1	7/32		
20JS100	20JS101	20JS102	20JS103	20JS104	20JS105	20JS106	20JS107	-9	Buna-N	.115	.090	.092	.035	C1	7/32		
20JS100	20JS101	20JS102	20JS103	20JS104	20JS105	20JS106	20JS107	-11	Buna-N	.135	.115	.092	.035	C1	7/32		
20JS100	20JS101	20JS102	20JS103	20JS104	20JS105	20JS106	20JS107	-12	Buna-N	.135	.115	.092	.048	C1	7/32		
20JS100	20JS101	20JS102	20JS103	20JS104	20JS105	20JS106	20JS107	-13	Buna-N	.135	.115	.108	.048	C1	7/32		
20JS100	20JS101	20JS102	20JS103	20JS104	20JS105	20JS106	20JS107	-14	Buna-N	.150	.130	.108	.024	C1	7/32		
20JS100	20JS101	20JS102	20JS103	20JS104	20JS105	20JS106	20JS107	-15	Buna-N	.150	.130	.108	.035	C1	7/32		
20JS110	20JS111	20JS112	20JS113	20JS114	20JS115	20JS116	20JS117	-2	Buna-N	.065	.050	.066	.048	C1	7/32		Gold Finish
20JS110	20JS111	20JS112	20JS113	20JS114	20JS115	20JS116	20JS117	-3	Buna-N	.080	.065	.092	.048	C1	7/32		Nylon Cable Clamps for Unshielded Cable
20JS110	20JS111	20JS112	20JS113	20JS114	20JS115	20JS116	20JS117	-4	Buna-N	.095	.075	.092	.048	C1	7/32		
20JS110	20JS111	20JS112	20JS113	20JS114	20JS115	20JS116	20JS117	-6	Buna-N	.115	.090	.121	.064	C1	7/32		
20JS120	20JS121	20JS122	20JS123	20JS124	20JS125	20JS126	20JS127	-3	LS53	.095	.075	.066	.035	C1	7/32		Rhodium Finish Brass Cable Clamps
20JS120	20JS121	20JS122	20JS123	20JS124	20JS125	20JS126	20JS127	-4	LS53	.095	.075	.066	.048	C1	7/32		
20JS120	20JS121	20JS122	20JS123	20JS124	20JS125	20JS126	20JS127	-6	LS53	.115	.090	.071	.035	C1	7/32		
20JS120	20JS121	20JS122	20JS123	20JS124	20JS125	20JS126	20JS127	-9	LS53	.135	.115	.092	.035	C1	7/32		
20JS120	20JS121	20JS122	20JS123	20JS124	20JS125	20JS126	20JS127	-10	LS53	.135	.115	.108	.048	C1	7/32		
20JS131	20JS132	20JS133	20JS134	20JS135	20JS136	20JS137	20JS138	-5	Buna-N	.095	.075	.066	.035	D8	7/32	Gold Finish Brass Cable Clamps	
20JS131	20JS132	20JS133	20JS134	20JS135	20JS136	20JS137	20JS138	-7	Buna-N	.095	.075	.092	.048	D8	7/32		
20JS131	20JS132	20JS133	20JS134	20JS135	20JS136	20JS137	20JS138	-8	Buna-N	.095	.075	.108	.048	D8	7/32		
20JS131	20JS132	20JS133	20JS134	20JS135	20JS136	20JS137	20JS138	-10	Buna-N	.115	.090	.066	.048	D8	7/32		
20JS131	20JS132	20JS133	20JS134	20JS135	20JS136	20JS137	20JS138	-11	Buna-N	.115	.090	.071	.035	D8	7/32		
20JS131	20JS132	20JS133	20JS134	20JS135	20JS136	20JS137	20JS138	-13	Buna-N	.115	.090	.092	.048	D8	7/32		
20JS131	20JS132	20JS133	20JS134	20JS135	20JS136	20JS137	20JS138	-16	Buna-N	.135	.115	.092	.035	D8	7/32		
20JS131	20JS132	20JS133	20JS134	20JS135	20JS136	20JS137	20JS138	-17	Buna-N	.135	.115	.092	.048	D8	7/32		
20JS131	20JS132	20JS133	20JS134	20JS135	20JS136	20JS137	20JS138	-18	Buna-N	.135	.115	.108	.048	D8	7/32		
20JS131	20JS132	20JS133	20JS134	20JS135	20JS136	20JS137	20JS138	-19	Buna-N	.150	.130	.108	.024	D8	7/32		
20JS131	20JS132	20JS133	20JS134	20JS135	20JS136	20JS137	20JS138	-20	Buna-N	.150	.130	.108	.035	D8	7/32		

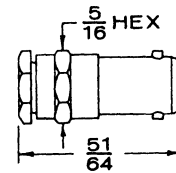
FG JACK RECEPTACLE — SINGLE HOLE MOUNT (SOLDER LUG)



S/C Part No. by Polarity								Mtg. Dim.		Engr. Data
A	B	E	F	J	K	L	M	Mtg. Hole	Panel Thkns.	
20JR136-1	20JR137-1	20JR138-1	20JR139-1	20JR140-1	20JR141-1	20JR142-1	20JR143-1	C1	7/32	Rhodium Finish Herm. Sealed

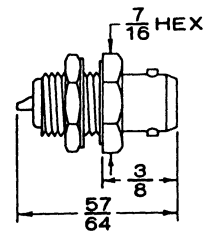
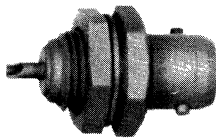
FG SERIES

FG JACK



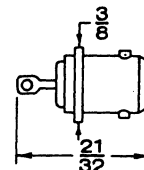
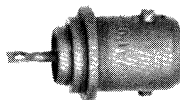
S/C Part No. by Polarity									Gasket Mtl.	Cable Range-Dia.				Engr. Data
A	B	E	F	J	K	L	M	DASH		Jacket		Ins. Max.	Cond. Max.	
										Max.	Min.			
20J105	20J106	20J107	20J108	20J109	20J110	20J111	20J112	-1	Buna-N	.095	.075	.066	.035	Gold Finish Brass Cable Clamps
20J105	20J106	20J107	20J108	20J109	20J110	20J111	20J112	-2	Buna-N	.095	.075	.108	.048	
20J105	20J106	20J107	20J108	20J109	20J110	20J111	20J112	-3	Buna-N	.115	.090	.066	.048	
20J105	20J106	20J107	20J108	20J109	20J110	20J111	20J112	-4	Buna-N	.115	.090	.108	.048	
20J105	20J106	20J107	20J108	20J109	20J110	20J111	20J112	-5	Buna-N	.135	.115	.092	.035	
20J105	20J106	20J107	20J108	20J109	20J110	20J111	20J112	-6	Buna-N	.135	.115	.108	.048	
20J113	20J114	20J115	20J116	20J117	20J118	20J119	20J120	-1	Buna-N	.065	.050	.066	.048	Gold Finish Nylon Clamps for Unshielded Cable

FG JACK RECEPTACLE — SINGLE HOLE MOUNT (SOLDER POT)



S/C Part No. by Polarity								Mtg. Dim.		Engr. Data
A	B	E	F	J	K	L	M	Mtg. Hole	Panel Thkns.	
20JR122-1	20JR123-1	20JR124-1	20JR125-1	20JR126-1	20JR127-1	20JR128-1	20JR129-1	C3	3/32	Gold Finish Pressurized

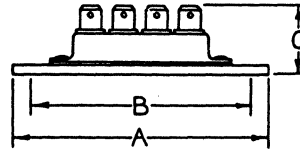
FG JACK RECEPTACLE — SOLDER MOUNT (SOLDER LUG)



S/C Part No. by Polarity								Mtg. Dim.		Engr. Data
A	B	E	F	J	K	L	M	Mtg. Hole	Panel Thkns.	
20JR101-1	20JR102-1	20JR103-1	20JR104-1	20JR105-1	20JR106-1	20JR107-1	20JR108-1	C4	.050	Gold Finish Herm. Sealed
20JR111-1	20JR112-1	20JR113-1	20JR114-1	20JR115-1	20JR116-1	20JR117-1	20JR118-1	C4	.050	Rhodium Finish Herm. Sealed

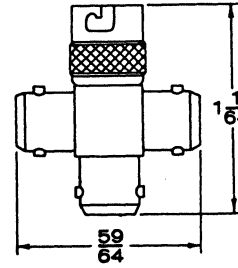
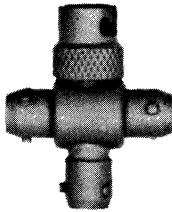
FG SERIES

FG JUNCTION BOX



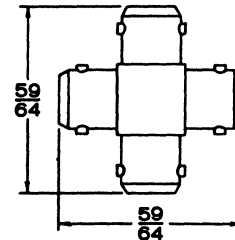
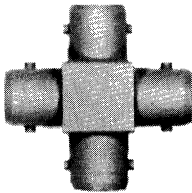
S/C Part No. by Polarity					Dimensions			Mtg. Hole	Engr. Data
A	B	E	F	No. Jacks	A	B	C		
20JB100-1	20JB101-1	20JB102-1	20JB103-1	3	3	2-1/2	57/64	3/16	} Isolated Ground
20JB104-1			20JB105-1	4	3-7/16	2-15/16	57/64	3/16	
			20JB106-1	5	3-7/8	3-3/8	57/64	3/16	
20JB107-1	20JB108-1	20JB109-1	20JB110-1	4	2-7/16	2-1/8	3/8	1/8	

FG CROSS ADAPTERS (3 JACKS, 1 PLUG)



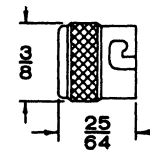
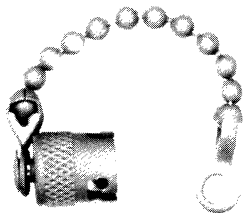
S/C Part No. by Polarity								Engr. Data
A	B	E	F	J	K	L	M	
20AC109-1	20AC110-1	20AC111-1	20AC112-1	20AC113-1	20AC114-1	20AC115-1	20AC116-1	Gold Finish

FG CROSS ADAPTERS (4 JACKS)



S/C Part No. by Polarity								Engr. Data
A	B	E	F	J	K	L	M	
20AC100-1	20AC101-1	20AC102-1	20AC103-1	20AC104-1	20AC105-1	20AC106-1	20AC107-1	Gold Finish

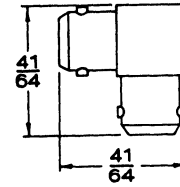
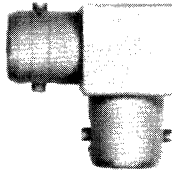
FG PLUG CAP



S/C Part No. by Polarity				Engr. Data
A & B	E & F	J & K	L & M	
20PC100-1	20PC101-1	20PC102-1	20PC103-1	With Chain Weatherproof Without Chain Not Weatherproof
20PC104-1	20PC105-1	20PC106-1	20PC107-1	

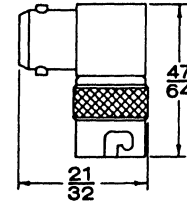
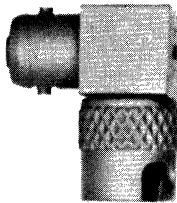
FG SERIES

FG ADAPTER — RIGHT ANGLE (JACK-JACK)



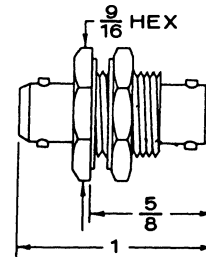
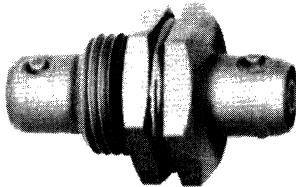
S/C Part No. by Polarity								Engr. Data
A	B	E	F	J	K	L	M	
20AR108-1	20AR109-1	20AR110-1	20AR111-1	20AR112-1	20AR113-1	20AR114-1	20AR115-1	Gold Finish

FG ADAPTER — RIGHT ANGLE (PLUG-JACK)



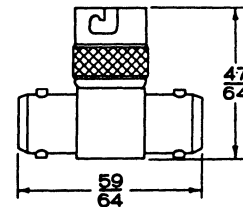
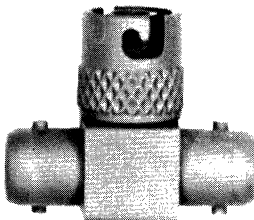
S/C Part No. by Polarity								Engr. Data
A	B	E	F	J	K	L	M	
20AR100-1	20AR101-1	20AR102-1	20AR103-1	20AR104-1	20AR105-1	20AR106-1	20AR107-1	Gold Finish

FG ADAPTER (JACK-JACK) — SINGLE HOLE MOUNT



S/C Part No. by Polarity								Mtg. Dim.		Engr. Data
A	B	E	F	J	K	L	M	Mtg. Hole	Panel Thkns.	
20AS110-1	20AS111-1	20AS112-1	20AS113-1	20AS114-1	20AS115-1	20AS116-1	20AS117-1	C1	7/32	Gold Finish Herm. Sealed

FG ADAPTER TEE



S/C Part No. by Polarity								Connector Designation	Engr. Data
A	B	E	F	J	K	L	M		
20AT100-1	20AT101-1	20AT102-1	20AT103-1	20AT104-1	20AT105-1	20AT106-1	20AT107-1	Jack-Plug-Jack	Gold Finish
20AT110-1	20AT111-1	20AT112-1	20AT113-1	20AT114-1	20AT115-1	20AT116-1	20AT117-1	Jack-Jack-Plug	
20AT120-1	20AT121-1	20AT122-1	20AT123-1	20AT124-1	20AT125-1	20AT126-1	20AT127-1	Jack-Jack-Jack	

TWINAX SERIES

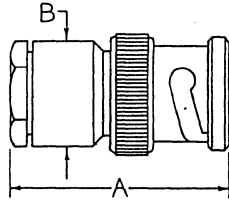
The twinax series was developed to fit twin conductor balanced line cables incorporating a braid. There are two series being presented. The first is the BNC size which features a female and male contact spaced .125 apart in each connector. The insulator has a slab cut to properly align the contacts for mating. The series is mainly used on RG108 A/U 78 ohm cable.

The other series presented is called a keyed 90° connector. The contacts are spaced .250 apart and the jacks have two female contacts and the plugs two male contacts. Proper mating is accomplished by using a key in the jacks and a slot in the plug body. The key is 90° to center line of the contacts. The series is used extensively with RG22/U 95 ohm cable.

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:	Impedance: 78 Ohms for BNC Twinax 95 Ohms for keyed 90° Insulation Resistance: 5000 Megohms Voltage Rating: 250 volts for BNC Twinax 500 volts for keyed 90°
ENVIRONMENTAL:	Salt spray per MIL-STD-202 (Method 101) Moisture resistance per MIL-STD-202 (Method 106)

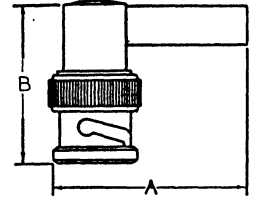
TWINAX SERIES

BNC TWINAX CABLE PLUG



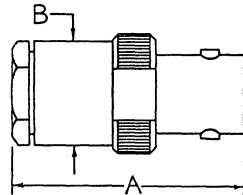
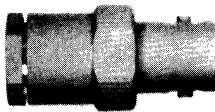
S/C Part No.	Cable	Dimension		Engr. Data
		A	B	
21P101-6	RG108/U	1-3/64	1/2	Straight Cut Style
21P103-4	Belden 9463	1-3/64	1/2	Straight Cut Style
21P104-1	Tensolite 1936TX10C25W	1-3/64	1/2	Straight Cut Style
21P110-1	RG108/U	1-3/64	1/2	'V' Groove Style Clamping

BNC TWINAX CABLE PLUG — RIGHT ANGLE — CRIMP ON STYLE



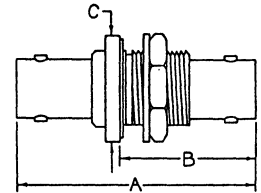
S/C Part No.	Cable	Dimension		Crimp Tool	Engr. Data
		A	B		
21P107-1	TWC78-1	1-3/32	57/64	.178 HEX	

BNC TWINAX CABLE JACK



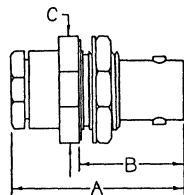
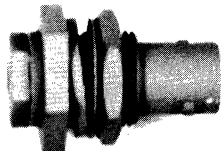
S/C Part No.	Cable	Dimension		Engr. Data
		A	B	
21J100-1	Manhattan M1232	1-1/8	1/2	Straight Cut Style

BNC TWINAX ADAPTER — JACK TO JACK — SINGLE HOLE MOUNT



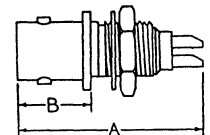
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
21AS101-1	1-3/8	55/64	5/8 HEX	C9	
21AS102-1	1-3/8	55/64	5/8 HEX	C9	Isolated Ground

BNC TWINAX CABLE JACK — SINGLE HOLE MOUNT



S/C Part No.	Cable	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
21JS100-2	RG-108A/U	1-1/8	13/16	11/16 HEX	D4	'V' Groove Clamping
21JS103-1	RG-108A/U	1-15/32	3/4	5/8	D4	Isolated Ground
21JS104-1	RG-108A/U	1-1/8	13/16	11/16 HEX	D4	Straight Cut Style

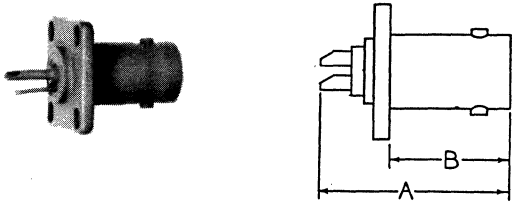
BNC TWINAX JACK RECEPTACLE — SINGLE HOLE MOUNT



S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
21JR101-2	1-1/16	15/32	D8	

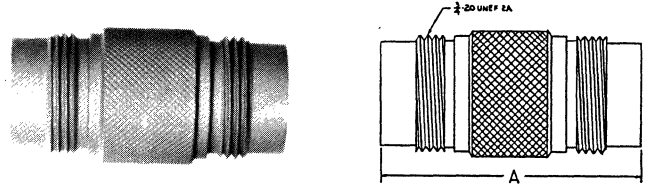
TWINAX SERIES

BNC TWINAX JACK RECEPTACLE — FLANGE MOUNT



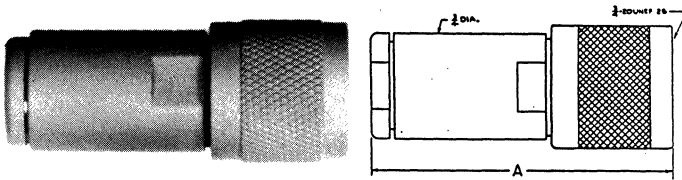
S/C Part No.	Dimension		Mtg. Plate	Engr. Data
	A	B		
21JR107-1	1-1/16	5/8	3A	

TWINAX ADAPTER — JACK TO JACK — KEYED 90°



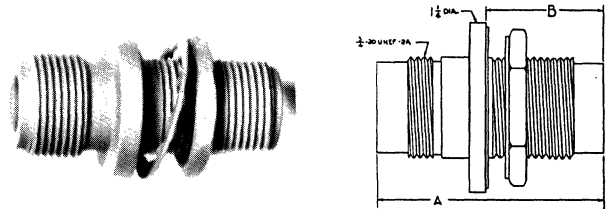
S/C Part No.	Dimension		Engr. Data
	A		
21A100-1	1-43/64		

TWINAX CABLE PLUG — KEYED 90°



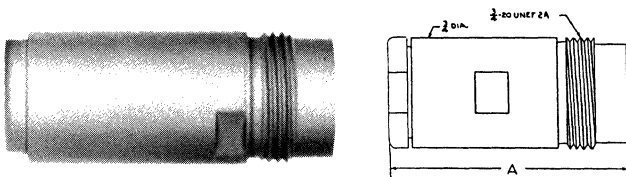
S/C Part No.	Cable	Dimension	Engr. Data
		A	
21P114-1	Belden 8227 IBM 7362211 Belden 9207	1-27/32	

TWINAX ADAPTER — JACK TO JACK — SINGLE HOLE MOUNT — KEYED 90°



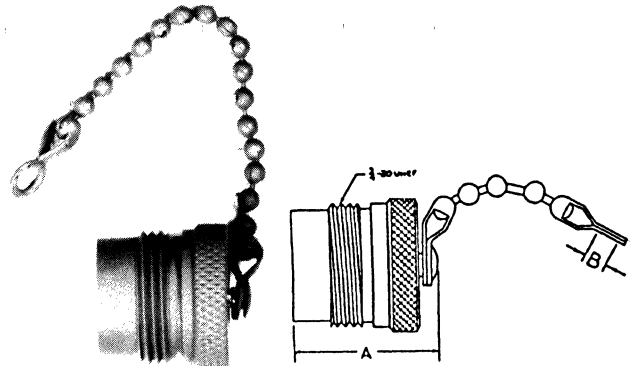
S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
21AS103-1	1-43/64	7/8	D2	

TWINAX CABLE JACK — KEYED 90°



S/C Part No.	Cable	Dimension	Engr. Data
		A	
21J101-1	RG-22/U	1-21/32	

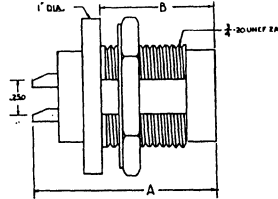
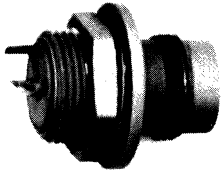
TWINAX JACK — CAP AND CHAIN — KEYED 90°



S/C Part No.	Dimension		Engr. Data
	A	B	
21JC100-2	27/32	.144	3-1/2" Bead Chain

TWINAX SERIES

TWINAX JACK RECEPTACLE — SINGLE HOLE MOUNT — KEYED 90°



S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
21JR110-1	1-1/2	53/64	D2	

SPECIALS

This catalog section presents several connectors that have specialized applications. They do not mate with the other series that have been presented. However, they have had enough usage and interest to make it worthwhile to present. We trust you will find them of interest.

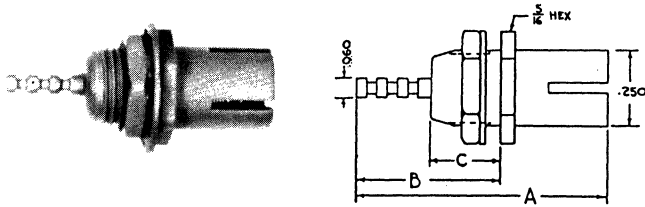
MATERIALS: Bass per QQ-B-626 composition 22½ HD.
Beryllium copper per QQ-C-530 heat treated to condition HT.
Teflon per L-P-503
Rubber per ZZ-R-765

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

ENVIRONMENTAL: Salt spray test per MIL-STD-202 (Method 101)
Moisture resistance test per MIL-STD-202 (Method 106)

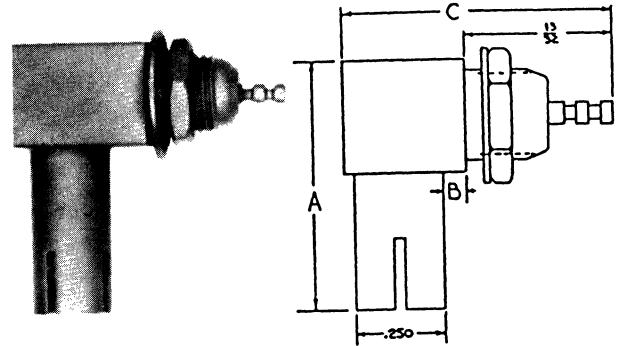
SPECIALS

PROBE RECEPTACLE — SINGLE HOLE MOUNT



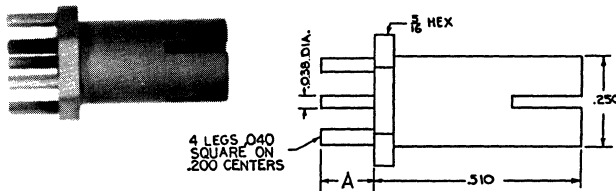
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
33JR115-2	13/16	15/32	7/32	C8	Mates with Tektronix Probe
33JR126-1	13/16	15/32	9/32	C8	Mates with Tektronix Probe
33JR167-1	43/64	21/64	7/32	C8	Mates with Tektronix Probe
33JR169-1	13/16	15/32	21/64	C8	Mates with Tektronix Probe

PROBE RECEPTACLE — RIGHT ANGLE SINGLE HOLE MOUNT



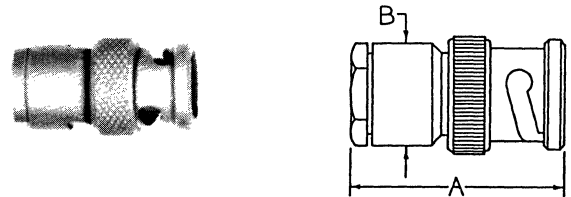
S/C Part No.	Dimension			Mtg. Hole	Engr. Data
	A	B	C		
33JR170-1	13/16	1/8	13/16	C8	Mates with Tektronix Probe

PROBE RECEPTACLE — PCB MOUNT



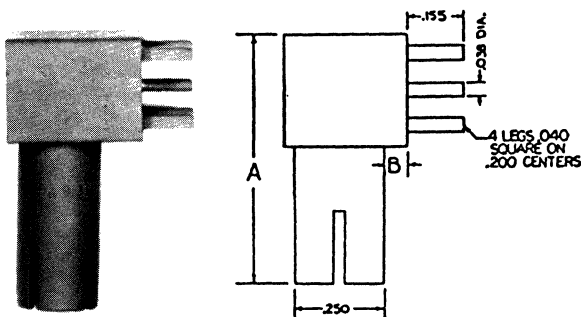
S/C Part No.	Dimension		Engr. Data
	A	B	
33JR135-1	.150		Mates with Tektronix Probe
33JR135-4	.180		Mates with Tektronix Probe

ADAPTER BNC PLUG TO PROBE RECEPTACLE



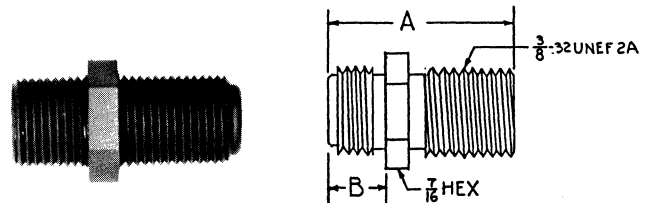
S/C Part No.	Dimension		Engr. Data
	A	B	
28P156-1	1-1/64	1/2	Mates with Tektronix Probe and BNC Jack

PROBE RECEPTACLE — RIGHT ANGLE PCB MOUNT



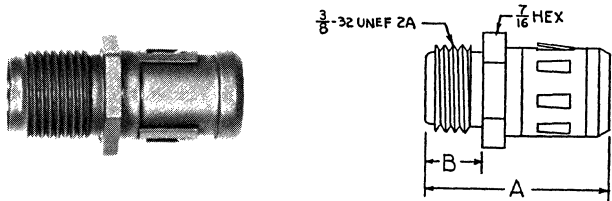
S/C Part No.	Dimension		Engr. Data
	A	B	
33JR159-1	13/16	1/8	Mates with Tektronix Probe
33JR159-2	11/16	1/16	Mates with Tektronix Probe

'F' SERIES ADAPTER — JACK TO JACK



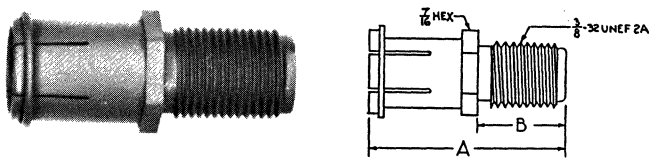
S/C Part No.	Dimension		Engr. Data
	A	B	
33A116-1	25/32	1/4	Precision Adapter 75 OHM 35DB to 1 GHZ
33A116-2	15/16	3/8	Precision Adapter 75 OHM 35DB to 1 GHZ
33A117-1	15/16	1/4	Precision Adapter 75 OHM 35DB to 1 GHZ

'F' SERIES ADAPTER — JACK TO PUSH ON JACK



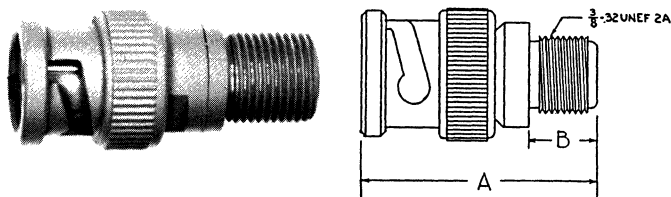
S/C Part No.	Dimension		Engr. Data
	A	B	
33A119-1	15/16	3/8	Precision Adapter 75 OHM 35DB to 1 GHZ

'F' SERIES ADAPTER — JACK TO PUSH ON PLUG



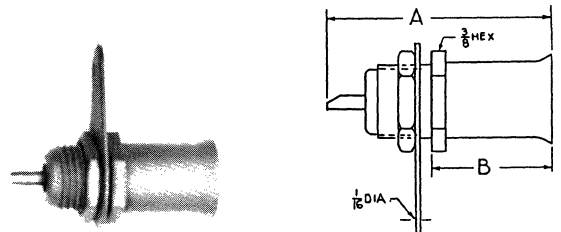
S/C Part No.	Dimension		Engr. Data
	A	B	
33A118-1	1-3/32	35/64	Precision Adapter 75 OHM - 35 DB to 1 GHZ

ADAPTER — 75 OHM BNC PLUG TO 'F' JACK



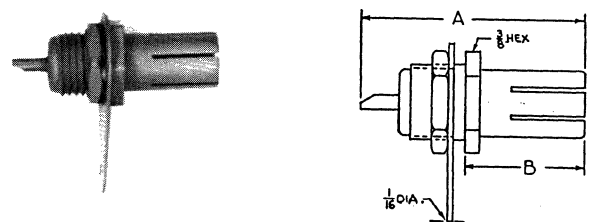
S/C Part No.	Dimension		Engr. Data
	A	B	
29JP218-1	1-1/16	1/4	Precision Adapter 75 OHM - 35DB to 1 GHZ
29JP218-2	1-7/32	13/32	Precision Adapter 75 OHM - 35DB to 1 GHZ

PUSH ON JACK RECEPTACLE — SINGLE HOLE MOUNT



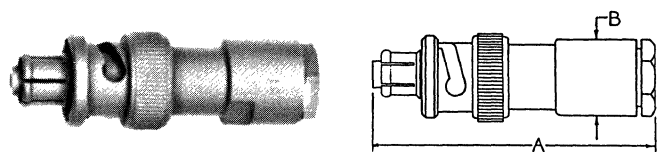
S/C Part No.	UG-/U No.	Dimension		Mtg. Hole	Engr. Data
		A	B		
33JR103-1	UG-1051/U	61/64	1/2	C3	Mates with UG1050

PUSH ON PLUG RECEPTACLE — SINGLE HOLE MOUNT



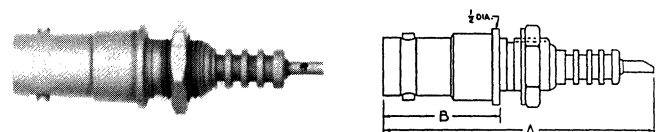
S/C Part No.	UG-/U No.	Dimension		Mtg. Hole	Engr. Data
		A	B		
33PR101-1	UG-1050/U	61/64	1/2	C3	Mates with UG-1051
33PR117-1	UG-1050A/U	61/64	1/2	C3	Has Beryllium Copper Outer Contact

SHV SERIES CABLE PLUG



S/C Part No.	Cable RG-/U	Dimension	Engr. Data	Assy. Inst.
		A		
52P100-1	RG59/U	1-25/32	Safe High Voltage Series Rated at 5000 VDC	AI-76

SHV SERIES JACK RECEPTACLE — SINGLE HOLE MOUNT



S/C Part No.	Dimension		Mtg. Hole	Engr. Data
	A	B		
52JR100-1	1-25/32	49/64	D8	Safe High Voltage Series Rated at 5000 VDC

ADAPTERS BETWEEN SERIES

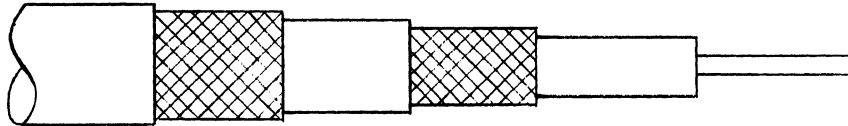
Specialty manufactures an extensive line of adapters between series. We have listed many of the popular items. The listing denotes the actual end on the adapter itself and the series. Adapters within series are listed in the appropriate series in this catalog.

ADAPTERS BETWEEN SERIES

	BNC PLUG	BNC JACK	TNC PLUG	TNC JACK	N PLUG	N JACK	SMA PLUG	SMA JACK	C PLUG	C JACK
BNC PLUG			29PP100-1	29JP112-1	29PP128-1	29JP119-1	29PP121-2	29JP145-4		
BNC JACK			29JP102-1	29JJ100-1 29JJ123-1 D4 Mtg.	29JP104-1	29JJ159-2 1A Mtg. Plate 29JJ160-1 29JJ162-1 DD1	29JP170-1	29JJ131-2 29JJ155-1 D4 Mtg.		29JJ156-1 D4 Mtg. Hole 29JJ168-1
TNC PLUG	29PP100-1	29JP102-1			29PP123-1	29JP109-1	29PP116-1	29JP173-1		
TNC JACK	29JP112-1	29JJ100-1 29JJ123-1 D4 Mtg.			29JP103-1	29JJ101-1 DD1 Mtg. Hole 29JJ103-1 1A Mtg. Plate 29JJ149-1	29JP198-1	29JJ116-1 3B Mtg. Plate 29JJ133-2		
N PLUG	29PP128-1	29JP104-1	29PP123-1	29JP103-1				29JP176-1		29JP208-1 Right Angle
N JACK	29JP119-1	29JJ159-2 1A Mtg. Plate 29JJ160-1 29JJ162-1 DD1	29JP109-1	29JJ101-1 DD1 Mtg. Hole 29JJ103-1 1A Mtg. Plate 29JJ149-1			29JP200-1 Gold	29JJ142-1 29JJ153-1 1A Mtg. Plate 29JJ163-1 DD1 Mtg. Hole	29JP105-1	
SMA PLUG	29PP121-2	29JP170-1	29PP116-1	29JP198-1		29JP200-1 Gold				
SMA JACK	29JP145-4	29JJ131-2 29JJ155-1 D4 Mtg. Hole	29JP173-1	29JJ116-1 3B Mtg. Plate 29JJ133-2	29JP176-1	29JJ142-1 29JJ153-1 1A Mtg. Plate 29JJ163-1 DD1 Mtg. Hole			29JP185-1	29JJ140-1
C PLUG						29JP105-1		29JP185-1		
C JACK		29JJ156-1 D4 Mtg. Hole 29JJ168-1			29JP208-1 Right Angle			29JJ140-1		
UHF PLUG		29JP100-1			29PP127-1	29JP110-1				
UHF JACK	29JP101-1	29JJ145-1			29JP210-1	29JJ151-1				
SMB PLUG	29PP129-2 Gold	29JP221-1								
SMB JACK	29JP213-2 Gold	29JJ169-1								
SMC PLUG	29PP114-1	29JP177-1								
SMC JACK	29JP128-1	29JJ122-1 D8 Mtg. Hole 29JJ134-1								
F PLUG	29PP109-1	29JP151-1								
F JACK	29JP218-1									
TPS PLUG		29JP120-3	29PP125-1	29JP197-1		29JP195-1				
TPS JACK	29JP121-2	29JJ143-1 D5 Mtg. Hole					29JP166-1	29JJ150-1		
HN PLUG		29JP111-1			29PP124-2	29JP115-1		29JP190-1		29JP207-1
HN JACK	29JP143-1				29JP193-1	29JJ165-1		29JJ147-1	29JP230-1	
SC PLUG		29JP203-1				29JP106-1		29JP191-1		
SC JACK					29JP204-1			29JJ148-1		
PUSH ON UG-1051		29JJ105-1								
PUSH ON UG-1050		29JP113-1								

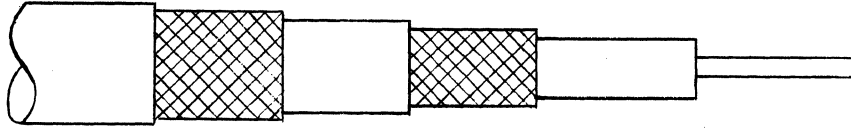
BERG
ELECTRONICS
RF/Coaxial Division

CABLE DATA



MILITARY NO.	OUTER JACKET	OUTER BRAID	INNER JACKET	INNER BRAID	DIELECTRIC	CENTER CONDUCTER	NOTES
RG-6A/U MIL-C-17/2	.332	.264 max.			.185 max.	.0285	75 OHM-Double Braid
RG-8A/U	.405	.340			.285	.089	50 OHM
RG-9A/U	.420	.360			.280	.085	51 OHM-Double Braid
RG-9B/U	.425	.360			.285	.089	50 OHM-Double Braid
RG-11A/U MIL-C-17/6	.405	.340 max.			.285	.0477	75 OHM
RG-12A/U MIL-C-17/7		.475 max.	.405	.340 max.	.285	.0477	75 OHM-Armored
RG-22B/U MIL-C-17/15	.420	.355 max.	.285		.090(2)	.0456(2)	95 OHM-Twin
RG-25A/U MIL-C-17/19	.505	.398 max.			.288	.059	48 OHM-Pulse
RG-26A/U MIL-C-17/21		.505 max.	.425	.330 max.	.288	.059	48 OHM-Pulse-Armored
RG-27A/U MIL-C-17/22		.670 max.	.425	.500 max.	.465 max.	.093	48 OHM-Pulse-Armored
RG-34B/U MIL-C-17/24	.630	.535			.460	.0747	75 OHM
RG-35B/U MIL-C-17/25		.945 max.	.870	.760 max.	.680	.1045	75 OHM-Armored
RG-55A/U	.216	.176			.116	.035	50 OHM
RG-58C/U MIL-C-17/28	.195	.150 max.			.116	.0355	50 OHM
RG-59B/U MIL-C-17/29	.242	.191 max.			.146	.023	75 OHM
RG-62A/U MIL-C-17/30	.242	.191 max.			.146	.0253	93 OHM-Hollow Dielectric
RG-63B/U MIL-C-17/31	.405	.340 max.			.285	.0253	125 OHM-Hollow Dielectric
RG-64A/U MIL-C-17/33	.475	.368 max.			.288	.059	48 OHM-Pulse
RG-65A/U MIL-C-17/34	.405	.340 max.			.285	.128	950 OHM
RG-71B/U MIL-C-17/90	.250 max.	.208 max.			.146	.0253	93 OHM-Hollow Dielectric
RG-79B/U MIL-C-17/36		.475 max.	.405	.340 max.	.285	.0253	125 OHM-Hollow Dielectric
RG-108A/U MIL-C-17/45	.235	.177			.079(2)	.0378(2)	78 OHM-Twin
RG-114A/U MIL-C-17/47	.405	.340 max.			.285	.007	185 OHM-Hollow Dielectric
RG-115A/U MIL-C-17/92	.415	.325 max.			.255	.084	50 OHM
RG-119/U MIL-C-17/52	.465	.414 max.			.332	.102	50 OHM
RG-120/U MIL-C-17/53		.525 max.	.465	.414 max.	.332	.102	50 OHM-Armored
RG-122/U MIL-C-17/54	.160	.126 max.			.096	.0308	50 OHM
RG-130/U MIL-C-17/56	.625	.540 max.	.472		.188(2)	.0855(2)	95 OHM-Twin
RG-133A/U MIL-C-17/100	.405	.340 max.			.285	.0254	95 OHM
RG-142B/U MIL-C-17/60	.195	.171 max.			.116	.037	50 OHM
RG-144/U MIL-C-17/62	.410	.525 max.			.285	.0537	75 OHM
RG-156/U MIL-C-17/101	.540	.330 max.	.413 max.	.373 max.	.285	.0855	50 OHM
RG-157/U MIL-C-17/102	.725	.448 max.	.580 max.	.540 max.	.455	.101	50 OHM
RG-158/U MIL-C-17/103	.725	.615 max.	.580 max.	.540 max.	.455	.199	25 OHM
RG-164/U MIL-C-17/64	.870	.615 max.			.680	.1045	75 OHM
RG-165/U MIL-C-17/65	.410	.760 max.			.285	.094	50 OHM
RG-166/U MIL-C-17/66		.470 max.	.410	.340 max.	.285	.094	50 OHM-Armored
RG-174/U MIL-C-17/119	.110	.088 max.			.060	.0189	50 OHM
RG-177/ MIL-C-17/67	.895	.760 max.			.680	.195	50 OHM
RG-178B/U MIL-C-17/93	.071	.054 max.			.033	.012	50 OHM
RG-179B/U MIL-C-17/94	.100	.084 max.			.063	.012	75 OHM
RG-180B/U MIL-C-17/95	.141	.124 max.			.102	.012	95 OHM
RG-188/U	.110	.081			.060	.020	50 OHM
RG-195/U	.155	.124			.102	.012	95 OHM
RG-196/U	.080	.054			.034	.012	50 OHM
RG-210/U MIL-C-17/97	.242	.191 max.			.146	.0253	93 OHM-Hollow Dielectric
RG-211A/U MIL-C-17/72	.730	.670 max.			.620	.192	50 OHM
RG-212/U MIL-C-17/73	.332	.265 max.			.185	.0556	50 OHM
RG-213/U MIL-C-17/74	.405	.340 max.			.285	.0888	50 OHM
RG-214/U MIL-C-17/75	.425	.360 max.			.285	.0888	50 OHM
RG-215/U MIL-C-17/76		.475 max.	.405	.340 max.	.285	.089	50 OHM-Armored
RG-216/U MIL-C-17/77	.425	.360 max.			.285	.0477	75 OHM
RG-217/U MIL-C-17/78	.545	.463 max.			.370	.106	50 OHM
RG-218/U MIL-C-17/79	.870	.760 max.			.680	.195	50 OHM
RG-219/U MIL-C-17/80		.945 max.	.870	.760 max.	.680	.195	50 OHM-Armored

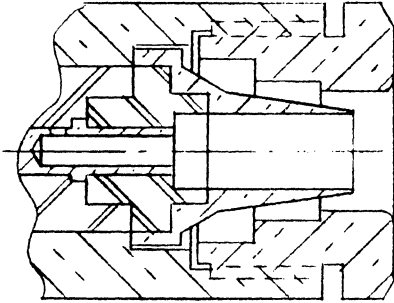
CABLE DATA



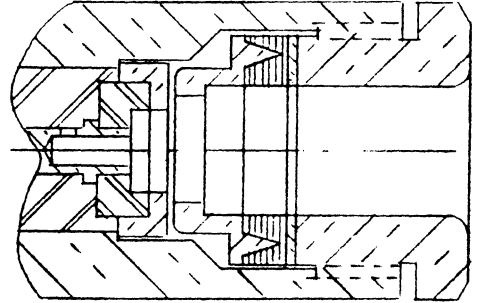
MILITARY NO.	OUTER JACKET	OUTER BRAID	INNER JACKET	INNER BRAID	DIELECTRIC	CENTER CONDUCTER	NOTES
RG-223/U MIL-C-17/84	.212	.176 max.			.116	.035	50 OHM
RG-225/U MIL-C-17/86	.430	.360 max.			.285	.0936	50 OHM
RG-226/U MIL-C-17/87	.500	.440 max.			.370	.127	50 OHM
RG-280/U MIL-C-17/107	.480 max.	.387 max.			.327	.1144	50 OHM
RG-301/U MIL-C-17/109	.245	.215 max.			.185	.0609	50 OHM
RG-302/U MIL-C-17/110	.206 max.	.176 max.			.146	.025	75 OHM
RG-303/U MIL-C-17/111	.170	.146 max.			.116	.037	50 OHM
RG-304/U MIL-C-17/112	.280	.250 max.			.185	.059	50 OHM
RG-307A/U MIL-C-17/116	.270	.237 max.	.205	.176 max.	.146	.029	75 OHM-Triaxial
RG-316/U MIL-C-17/113	.098	.081 max.			.060	.0201	50 OHM
RG-391/U MIL-C-17/126	.405	.340 max.			.295	.048	72 OHM
RG-392/U MIL-C-17/126		.475 max.	.405	.340 max.	.295	.048	72 OHM-Armored
RG-393/U MIL-C-17/127	.390	.360 max.			.285	.094	50 OHM
RG-400/U MIL-C-17/128	.195	.171 max.			.116	.0385	50 OHM
RG-401/U MIL-C-17/129		.250			.210	.0641	50 OHM-Semi-Rigid
RG-402/U MIL-C-17/130		.141			.118	.036	50 OHM-Semi-Rigid
RG-403/U MIL-C-17/131	.128 max.	.098 max.	.080 max.	.054 max.	.034	.012	50 OHM-Triaxial
RG-404/U MIL-C-17/132	.075 max.	.056 max.			.034	.012	50 OHM
RG-405/U MIL-C-17/133		.086			.066	.0201	50 OHM-Semi-Rigid

CABLE ATTACHMENT STYLES

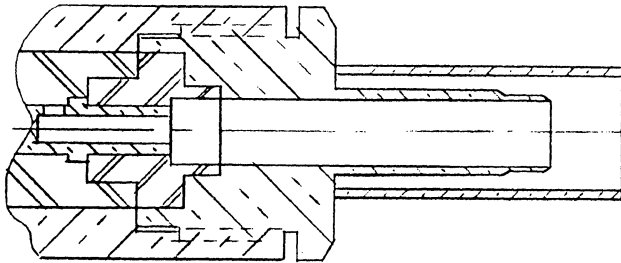
STRAIGHT CUT STYLE



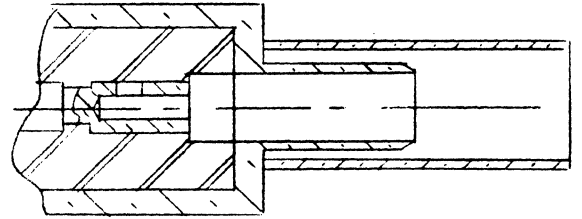
'V' GROOVE STYLE WITH CAPTIVE CONTACT



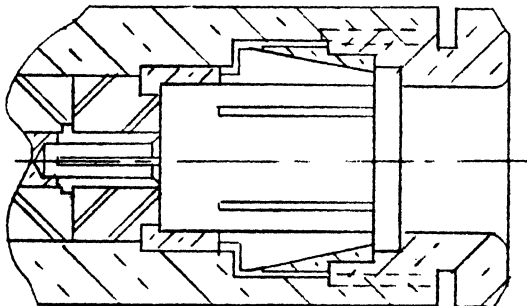
LONG CRIMP STYLE



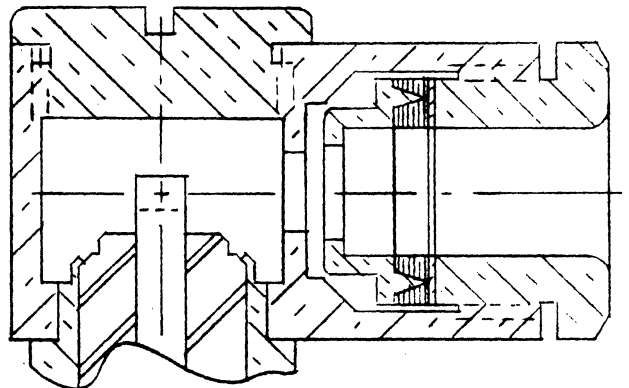
SHORT CRIMP STYLE



PLUG IN STYLE



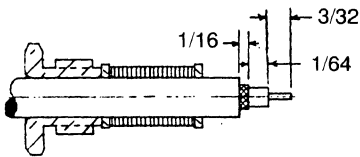
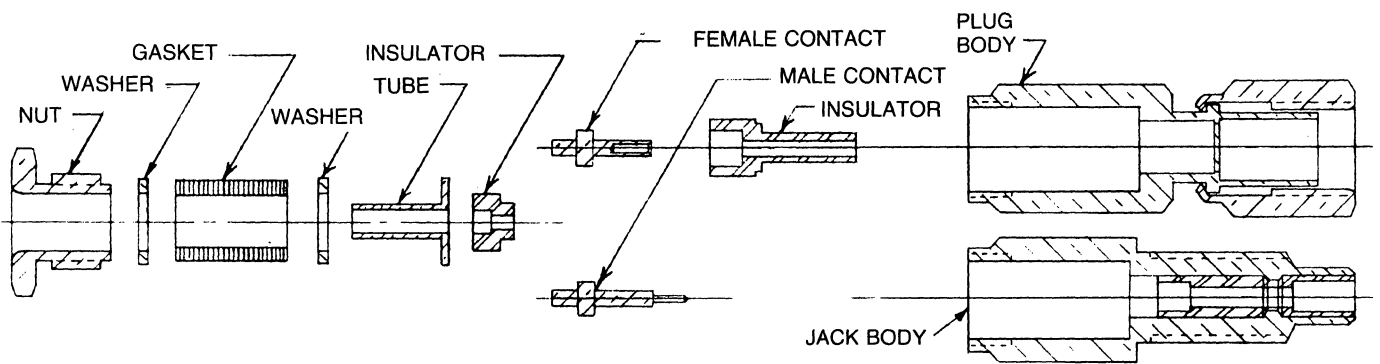
RIGHT ANGLE WITH ACCESS CAP



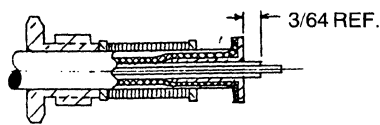
CABLE ASSEMBLY INSTRUCTIONS

This section contains some of the more popular instructions for assembling cables to the proper connectors. We have not presented all of the instructions. If you need help feel free to contact the factory for further information.

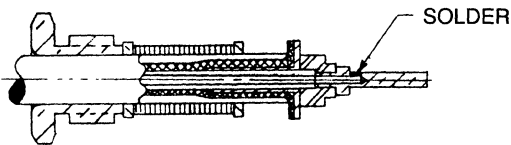
CABLE ASSEMBLY INSTRUCTIONS AI #10



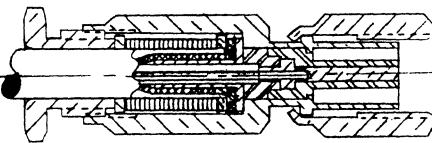
1. Place nut, washer, gasket and washer on cable and push back out of way. Trim cable to dimensions shown. Do not nick braid or center conductor when trimming.



2. Insert tube between dielectric and braid.

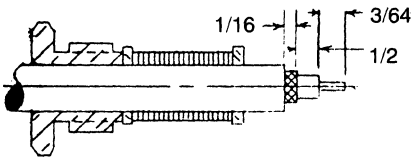
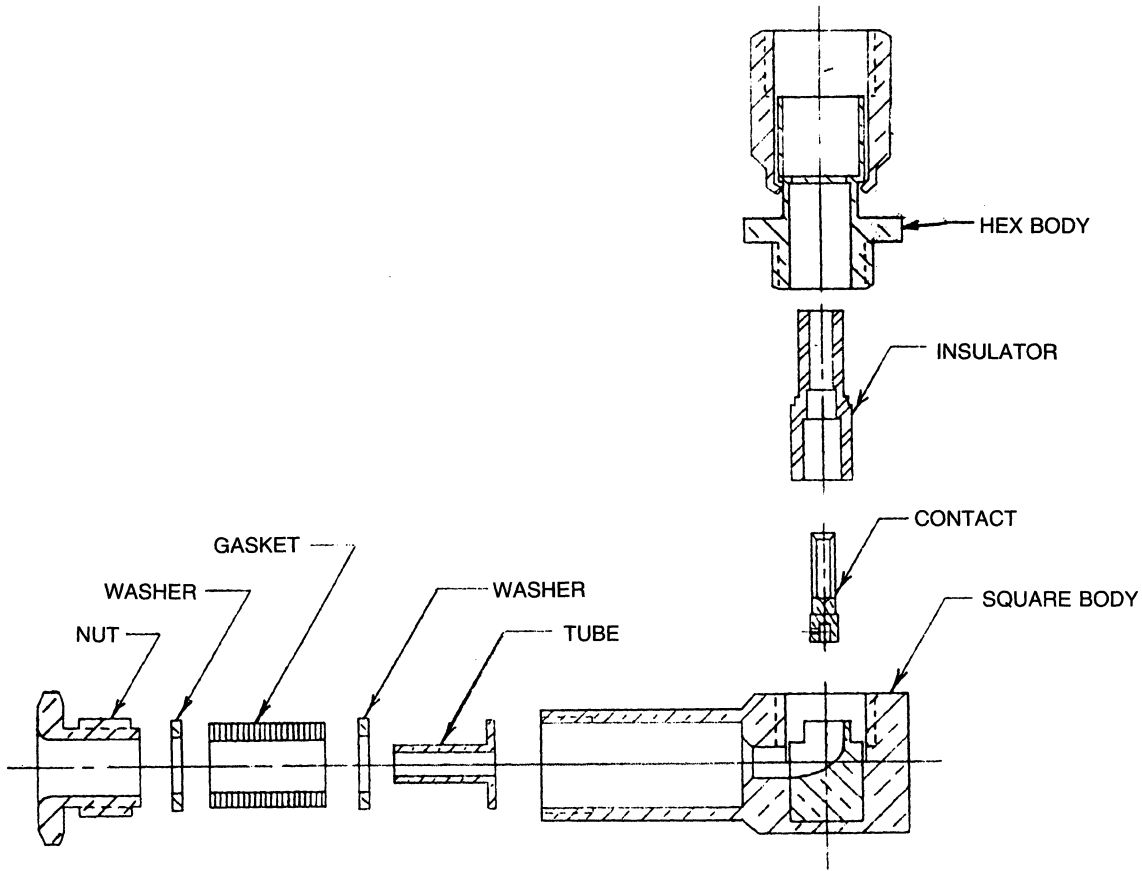


3. Place insulator and contact in position as shown. Soft solder contact to center conductor. Do not over heat. Remove any excess solder from O.D. of contact.

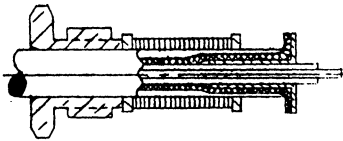


4. Place front insulator in position. Note that this insulator is pre-assembled in jack connectors. Insert cable into connector body and tighten nut securely. Note that braid terminates between the flat washer and flange of the tube. Do not allow cable jacket to interfere with this connection.

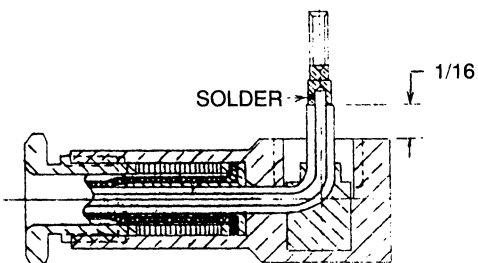
CABLE ASSEMBLY INSTRUCTIONS AI #11



1. Place nut, washer, gasket and washer on cable and push back out of way. Trim cable to dimensions shown. Do not nick braid or center conductor when trimming.

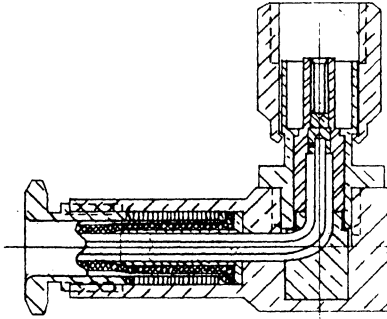


2. Insert tube between dielectric and braid.



3. Feed cable dielectric through square body. Bring up nut, washers and gasket and tighten nut securely in body. Soft solder contact in position. Remove any excess solder on contact.

CABLE ASSEMBLY INSTRUCTIONS AI #11 CONT.



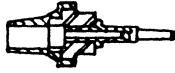
4. Place insulator in position over contact. Screw the hex body into the square body until it is flush as shown.

CABLE ASSEMBLY INSTRUCTIONS AI #12

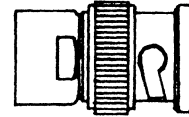
STRAIGHT CUT STYLE



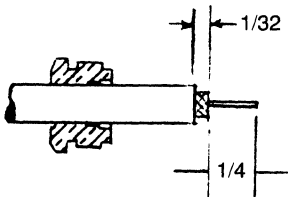
CONTACT
SUB-ASSY.



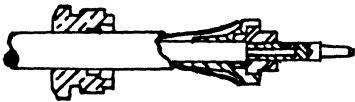
NUT



BODY

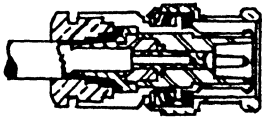


1. Slide nut over cable and cut jacket, braid, and dielectric as shown. Do not cut or nick center conductor.



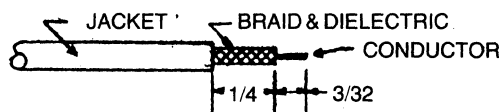
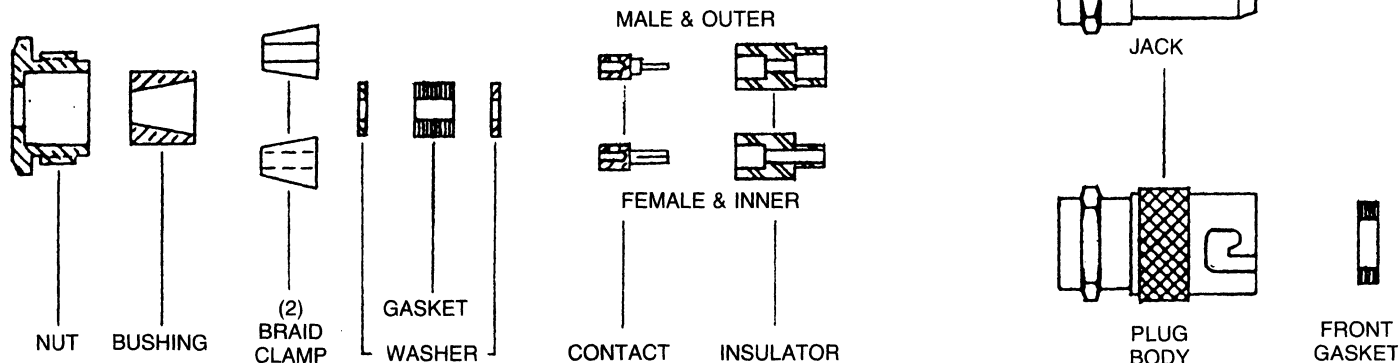
2. Push sub-assembly over dielectric with sharp edge of tapered clamp inserted between braid and dielectric to position shown. Center conductor must be visible in solder hole. Maintain position of the contact sub-assembly and soft solder contact to conductor.

3. Insert completed sub-assembly into the body.

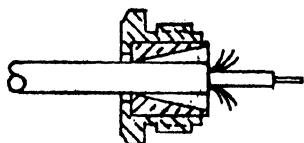


4. Thread nut into body and tighten with wrench.

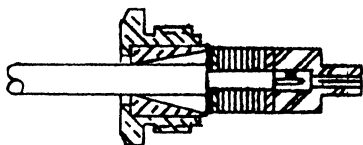
CABLE ASSEMBLY INSTRUCTIONS AI #13



1. Strip cable as shown. Do not nick braid or conductor.



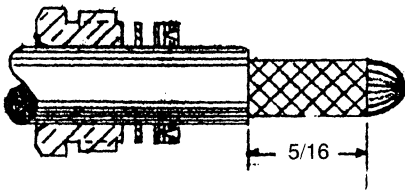
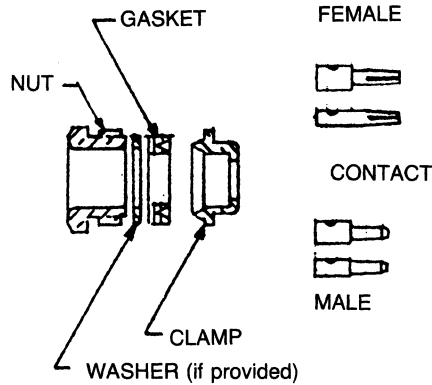
2. Slide nut and bushing over cable jacket. Allow ample working length at end of cable. Position both cable clamps on cable jacket with large end of clamps flush with end of jacket. Press bushing over clamps. Do not change position of clamps on jacket.
3. Comb out braid. Fold back against clamps and trim flush with outside diameter of bushing. Remove all loose strands of braid.



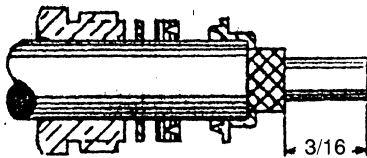
4. Place washers and gasket, in proper sequence, over dielectric.
5. Place male or female contact over conductor and abutting dielectric.
6. Solder contact to conductor with minimum excess solder on contact.
7. Slide required insulator over contact.
8. Insert completed cable assembly into appropriate body and firmly tighten nut. Do not rotate body or cable.
9. If a plug assy., insert front gasket in place over front end of insulator.

CABLE ASSEMBLY INSTRUCTIONS AI #14

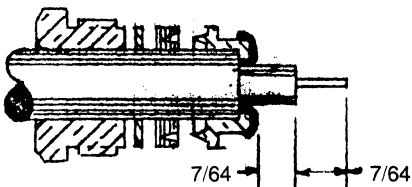
CABLE ASSEMBLY HARDWARE



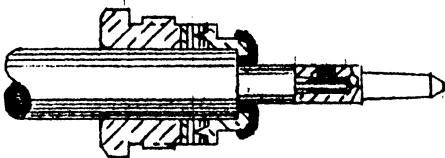
1. Slide nut, washer (if provided) and gasket over cable and position back far enough to permit unencumbered subsequent assembly operations. Cut off end of cable square and remove jacket to dimension indicated. Taper end of braid to permit positioning of the braid clamp. Do not nick braid while cutting the jacket.



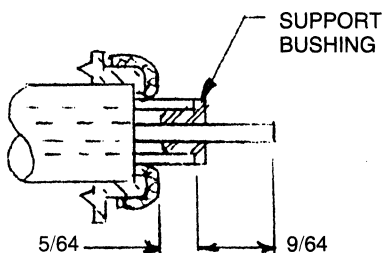
2. Slide braid clamp over braid and seat inner shoulder firmly against end of jacket. Cut braid to dimension shown. Do not nick dielectric while cutting the braid.



3. Form braid over clamp. Cut dielectric and center conductor to dimension. Do not nick center conductor while cutting dielectric to proper length.

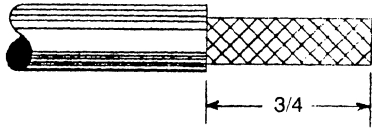
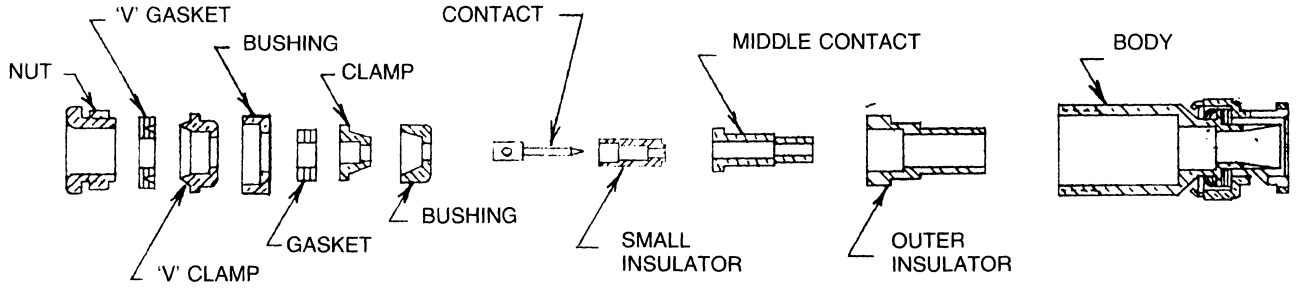


4. Solder furnished contact to center conductor. Remove excess solder. **Do not** overheat dielectric while soldering as it will distort and not enter the body insulator properly. Insert completed cable hardware assembly into the connector body provided. Make sure gasket is properly seated on the clamp before tightening nut. Tighten with torque wrench to 20 in. lbs.

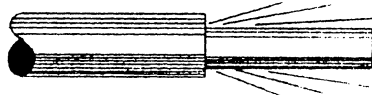


NOTE: For RG62 cable a special center conductor support bushing is furnished. Install it as shown and revise the strip dimensions of step 3 as shown.

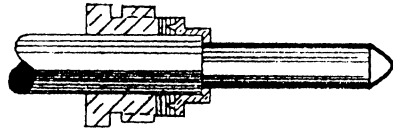
CABLE ASSEMBLY INSTRUCTIONS AI #15



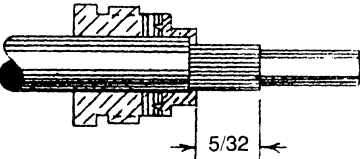
1. Cut off end of cable square and remove jacket. Do not nick braid.



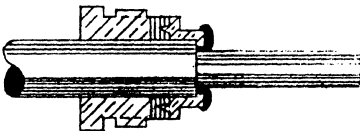
2. Comb out braid.



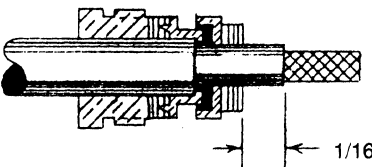
3. Taper braid. Slide nut, V gasket and V clamp over tapered braid. Make sure inner shoulder of clamp is positioned tightly against end of jacket.



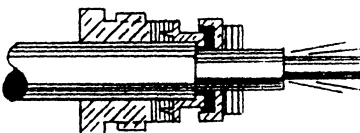
4. Trim braid as shown.



5. Flare braid back over clamp. Trim any excess.

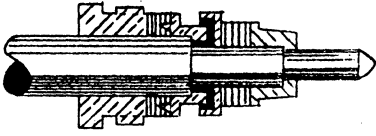


6. Place large bushing and gasket in position. Remove inner jacket to dimension shown.

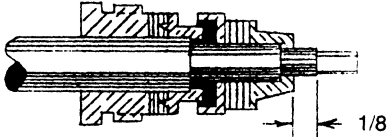


7. Comb out inner braid.

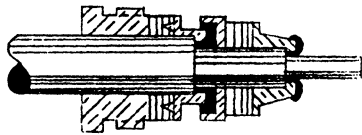
CABLE ASSEMBLY INSTRUCTIONS AI #15 CONT.



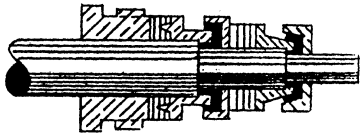
8. Taper inner braid. Slide small clamp over tapered braid. Make sure inner shoulder of clamp is positioned tightly against end of inner jacket.



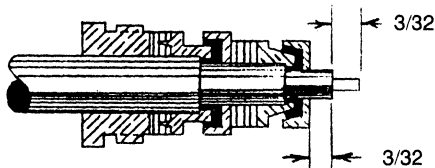
9. Trim inner braid as shown.



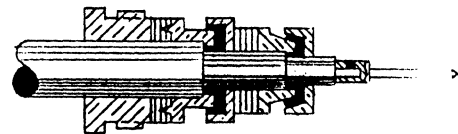
10. Flare inner braid back over clamp. Trim if necessary.



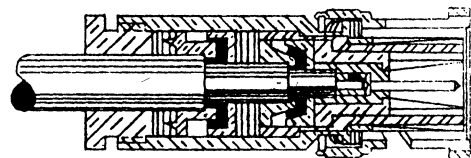
11. Place small bushing in position. Push firmly against flared inner braid.



12. Trim dielectric and center conductor as shown. Do not nick center conductor.

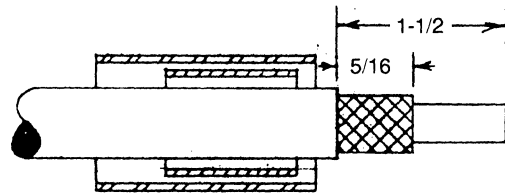
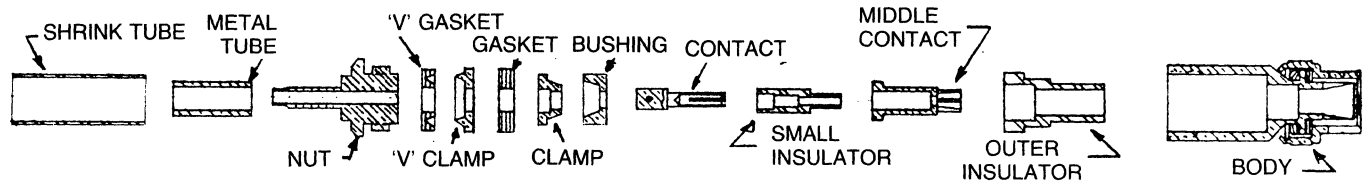


13. Solder contact onto center conductor. Remove excess solder. **Do not** overheat dielectric as it will distort and not enter the body insulator properly. Place small insulator, middle contact, and outer insulator in position.

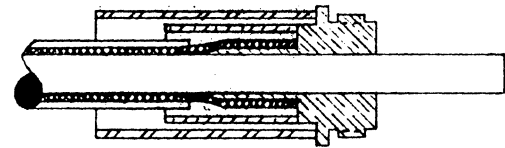


14. Insert completed cable hardware assembly into the body. Make sure the V gasket is properly seated on the V before tightening nut. Tighten nut with wrench.

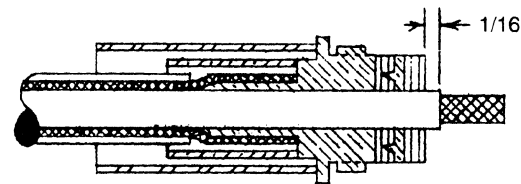
CABLE ASSEMBLY INSTRUCTIONS AI #16



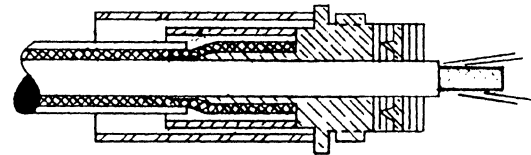
1. Place shrink tube and metal tube on cable and push back out of way. Trim outer braid to dimensions shown. Do not nick braid.



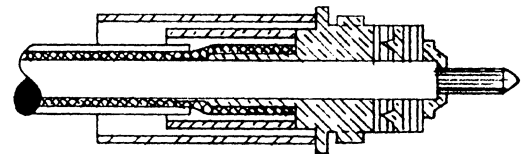
2. Rotate inner jacket to slightly flare braid for ease of insertion of nut. Push nut to position shown with braid against shoulder. Crimp metal tube. Use .255 hex crimp tool for 95 ohm large triax cable and .178 hex for HMS 2-1149/27,/28. Bring up shrink tubing to shoulder as shown. Apply even heat until tube shrinks in place.



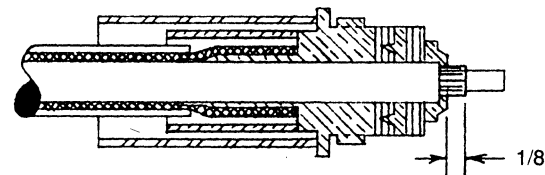
3. Place 'V' gasket, 'V' clamp, and plain gasket in position shown. Remove inner jacket to dimensions shown.



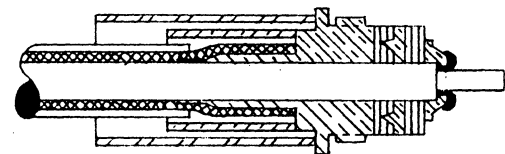
4. Comb out inner braid.



5. Taper inner braid. Slide small clamp over tapered braid. Make sure inner shoulder of clamp is positioned tightly against end of inner jacket.

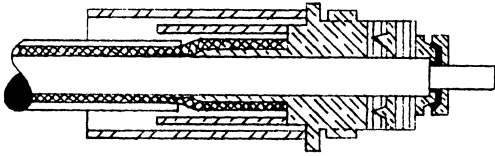


6. Trim inner braid as shown.

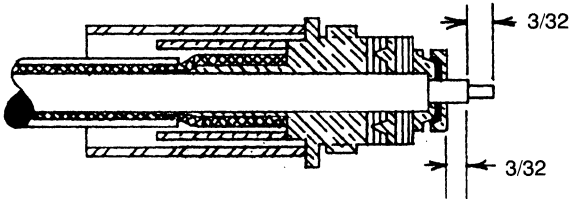


7. Flare inner braid back over clamp. Trim if necessary.

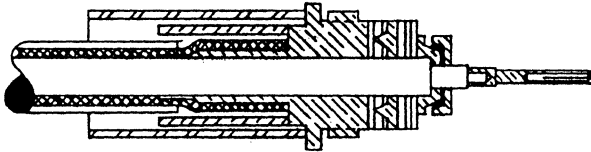
CABLE ASSEMBLY INSTRUCTIONS AI #16 CONT.



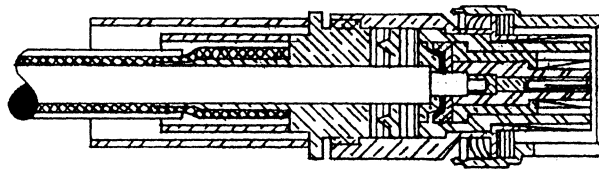
8. Place small bushing in position. Push firmly against flared inner braid.



9. Trim dielectric and center conductor as shown. Do not nick center conductor.

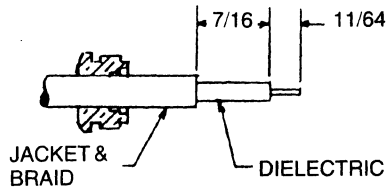
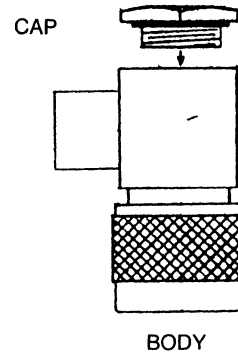
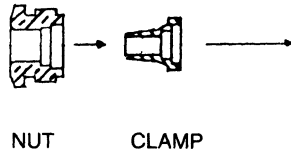


10. Solder contact onto center conductor. Remove excess solder. **Do not** overheat dielectric as it will distort and not enter the body insulator properly. Place small insulator, middle contact, and outer insulator in position.

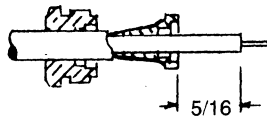


11. Insert completed cable hardware assembly into the body. Make sure the 'V' gasket is properly seated on the V before tightening nut. Tighten nut with wrench.

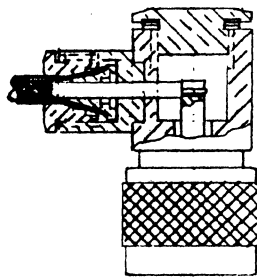
CABLE ASSEMBLY INSTRUCTIONS AI #19



1. Slide nut over cable and cut jacket, braid, dielectric, and center conductor to the dimensions shown. Rotate dielectric to flare braid and jacket. Do not nick or cut dielectric and center conductor.

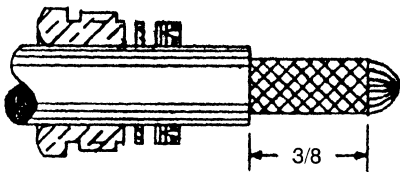
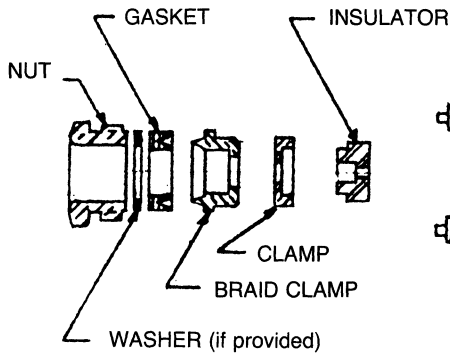


2. Push clamp over dielectric with the sharp edge inserted under the braid, to the dimension shown. Insert cable assembly into body, aligning center conductor in the slot of the center contact. Tighten nut to within .030 max. of body for secure cable retention.

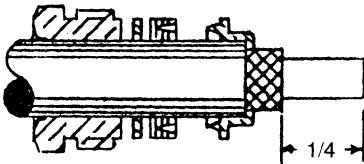


3. Soft solder center conductor to center contact. Install cap and tighten securely.

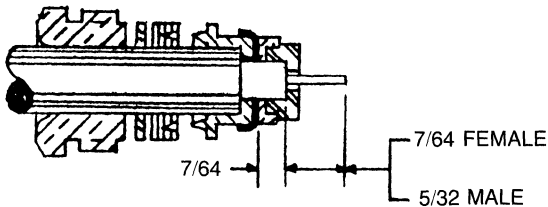
CABLE ASSEMBLY INSTRUCTIONS AI #20



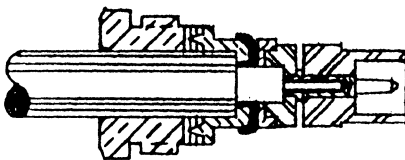
- Slide nut, washer (if provided) and gasket over cable and push back out of the way. Cut off end of cable square and remove jacket to dimension shown. Taper end of braid to permit positioning of the braid clamp. Do not nick braid while cutting the jacket.



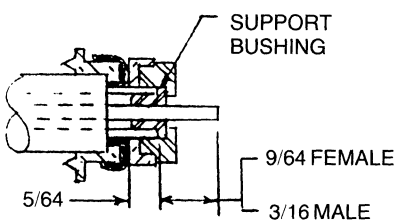
- Slide braid clamp over the braid and seat inner shoulder firmly against end of jacket. Do not nick dielectric while cutting the braid. Cut braid to dimension shown.



- Form braid over the clamp. Cut dielectric and center conductor to dimension shown. Do not nick center conductor. Position clamp and insulator over dielectric as shown. Insert contact into insulator with the center conductor properly aligned. The shoulder of the contact should press firmly against the insulator.

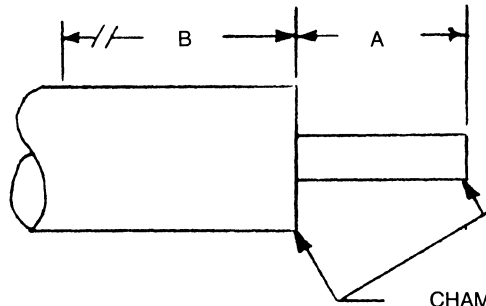


- Solder furnished contact to center conductor. Remove excess solder. Assemble front insulator provided over the shouldered contact. Insert completed hardware into the connector body provided. Make certain the gasket is properly seated on the clamp before tightening the nut. Tighten with a torque wrench to 20 inch pounds.



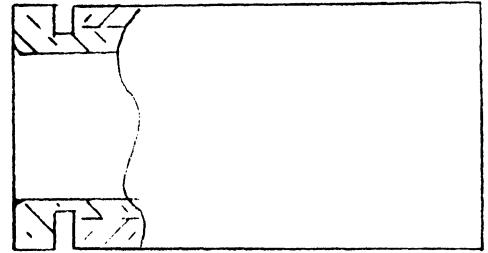
- NOTE:** For RG62 cable a special center conductor support bushing is furnished. Install it as shown and revise the strip dimensions of step 3 as shown.

CABLE ASSEMBLY INSTRUCTIONS AI #21



CABLE

CHAMFER WITH
A FILE

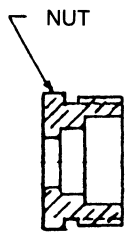


BODY ASSEMBLY

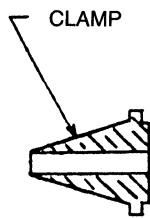
1. Do not remove cable entry nut. The connector has been pre-assembled.
2. Cut cable to dimension A. Deburr edges of center conductor and jacket. Scribe with a pencil or crayon a mark at dimension B.
3. Insert cable into the connector and tighten the nut. The scribe mark should approximately line up with the back of the nut.

Type	Part Numbers	A	B
BNC, TNC	28P108, 28JS154 24P104, 24JS117 25P124, 25JS124	11/64	19/32
N	25P104, 25P135 25JS116, 25J115	5/16	27/32

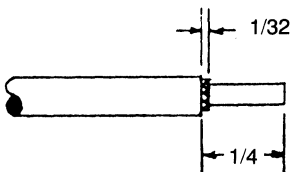
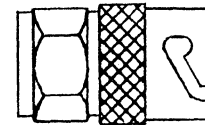
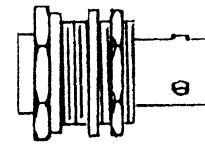
CABLE ASSEMBLY INSTRUCTIONS AI #23



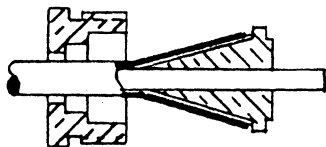
NUT



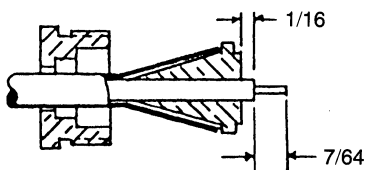
CLAMP



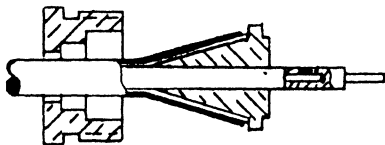
1. Cut off cable square on the end. Cut jacket and braid to dimensions shown. Do not nick braid or dielectric.



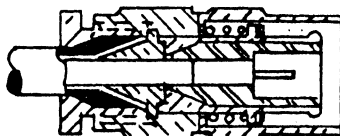
2. Slide nut over jacket and push back out of the way. Rotate the dielectric to flare the braid. Slide clamp over the dielectric and under braid until the braid is flush with the shoulder of the clamp as shown. On small cables with hard jackets such as RG188 it may be necessary to make a small longitudinal cut with a razor blade on the jacket. The cut should be from the end of the jacket approximately 1/8 inch long.



3. Trim dielectric and center conductor to dimensions shown.



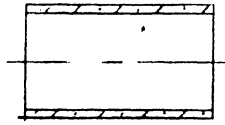
4. Solder the contact furnished on center conductor. Do not overheat. Remove any excess solder on the O.D. of the contact.



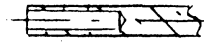
5. Insert cable assembly into the body furnished. Hold the nut stationary and tighten the body snugly.

CABLE ASSEMBLY INSTRUCTIONS AI #26

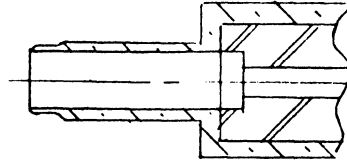
SHORT CRIMP SERIES



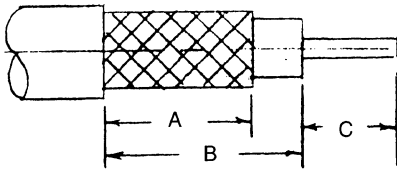
TUBE



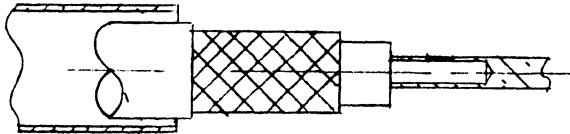
CONTACT



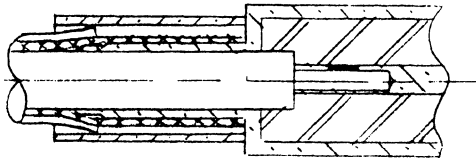
BODY



1. Strip cable to correct dimensions for the given part no. See table below. Do not nick braid or center conductor.



2. Slip the tube on the cable and push back out of the way. Solder contact in position. Do not over heat the dielectric. Remove any excess solder from O.D.



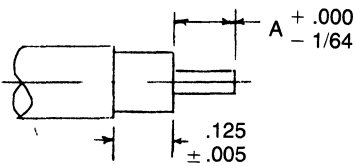
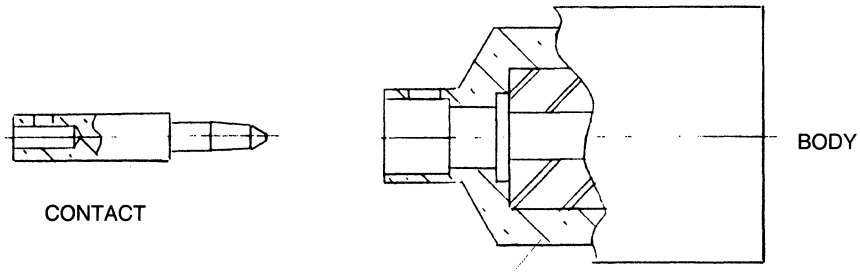
3. Insert the cable into the body. Position the body and cable so that the contact is in the correct position and the braid is up against the body. Crimp with the proper tool as close to the body as practical. See table for correct tool size.

CABLE	RG122,180, 195	RG55,58,141, 142,223	RG59,62,140	RG71	RG8,213	RG9,214, 225	RG178,196
HEX CRIMP	.178	.213	.255	.268	.384	.429	.105

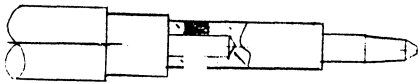
PART NO.	A	B	C	PART NO.	A	B	C
28J107, 28JS126, 28P107, 24J107, 24JS111, 24P103	5/16	17/32	7/64	23P111	9/32	3/8	7/64
				25P103	13/32	33/64	1/4
				33PS108-1	7/32	9/32	3/32
28P150, 24P120	1/4	7/16	11/64	28P285-1,-2	5/16	13/32	11/64
27P102	13/32	1/2	5/32	28P221-1,-2	5/16	15/32	1/8
27JS115	5/16	13/32	3/16	28P293, 28JS209 28J169	5/16	7/16	3/16

CABLE ASSEMBLY INSTRUCTIONS AI #27

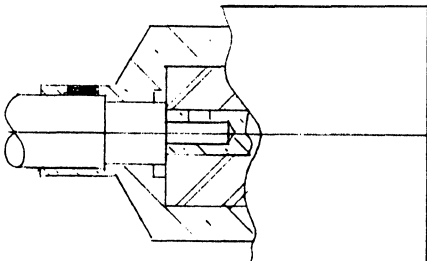
SOLDER ON STYLE FOR SEMI-RIGID CABLE



1. Trim cable to dimensions shown. File off any burrs on jacket or center conductor. Clean surfaces to be soldered.



2. Solder on contact. It should be flush with dielectric. Do not overheat and swell the dielectric. Remove excess solder from O.D. of contact.

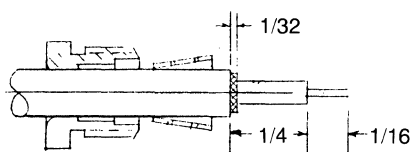
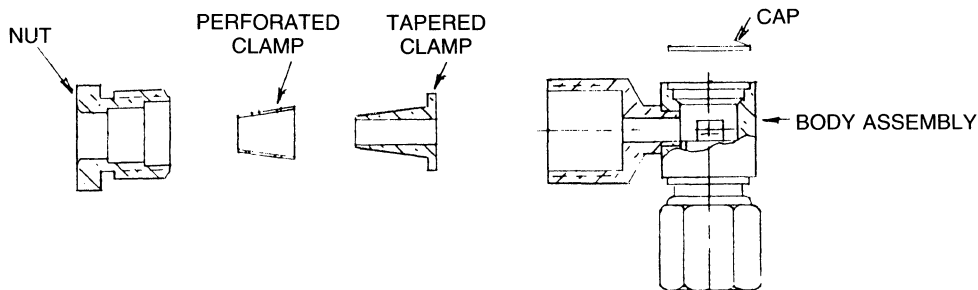


3. Insert cable into body until jacket bottoms against the shoulder. The contact should be in the proper position for the given mating dimensions. Solder the body to the cable jacket. Do not overheat.

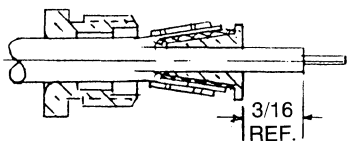
PART NUMBER			A
24P146-1,-2	28P206-1	24JS129-1,-2	1/8
25JS125-1,	25P152-1		1/4
25J121-1,-2	25P155-1,-2		

CABLE ASSEMBLY INSTRUCTIONS AI #30

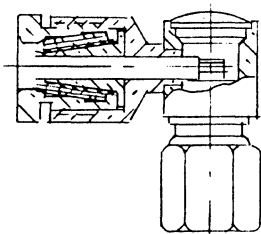
PART #37P111-1, 32P106-1



- Slide nut and perforated clamp on cable and push back out of the way. Strip cable as shown. Do not nick braid or center conductor. On teflon jacketed cables make two or three longitudinal slits on the jacket 1/8" long. Use a razor blade.



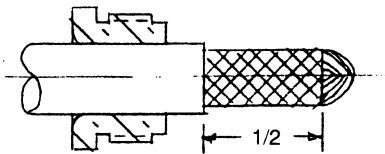
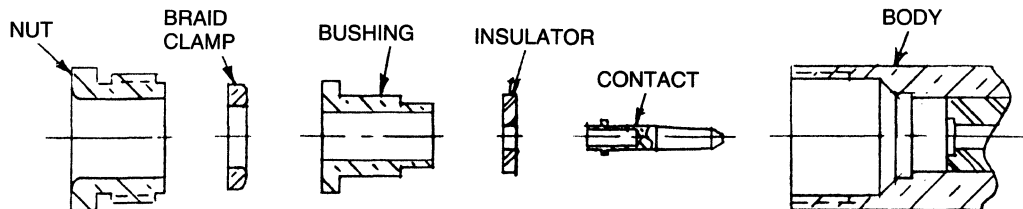
- Rotate the dielectric to flare the braid. Push tapered clamp into position over the dielectric and under the braid. Be certain all the braid strands go on the outside of the taper.



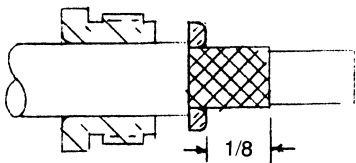
- Push perforated clamp up into position. Form snugly around the jacket. Assemble nut and body. Be certain cable center conductor goes into slot in contact. Tighten nut and hex body to 40 in-lb. torque. Soft solder center conductor to contact. Do not overheat. Remove excess solder. Assemble cap into position. Cement or soft solder in place.

CABLE ASSEMBLY INSTRUCTIONS AI #32

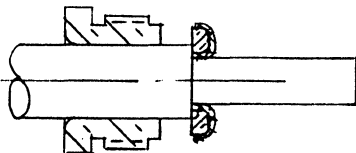
75 OHM BNC TO BELDEN CABLES



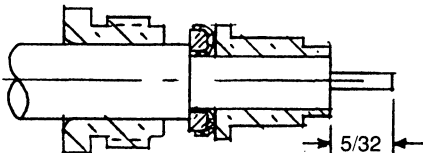
1. Slide nut on cable and push back out of the way. Remove jacket to dimension shown. Do not nick braid. Taper end of braid for ease of installing braid clamp.



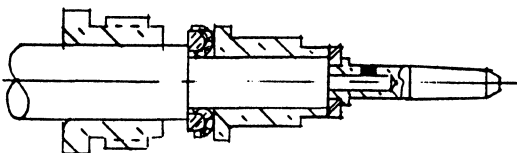
2. Position braid clamp up against the jacket. Radius corners on braid clamp must be positioned as shown. Trim braid and foil (on cable #9248 only) to dimension shown.



3. Fold braid over the braid clamp. Make 3 or 4 longitudinal slits in foil and fold it over also.



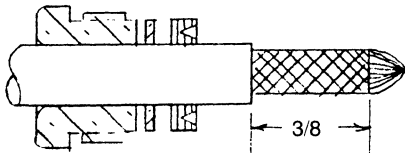
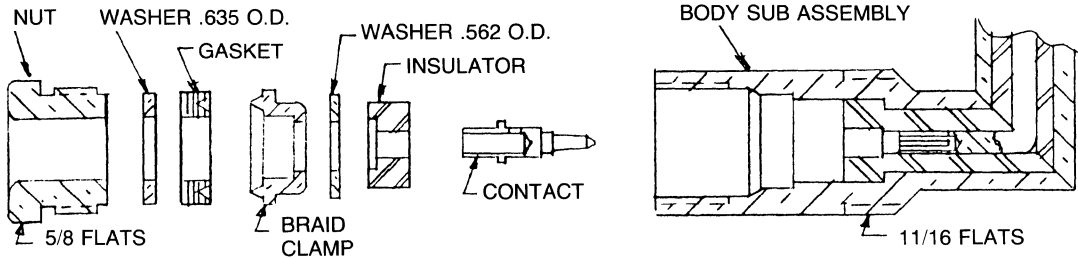
4. Install bushing snugly up against the braid. Trim cable dielectric flush with end of bushing. Do not nick center conductor. Trim center conductor to length. It should be free of burrs.



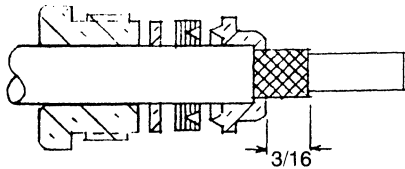
5. Install insulator and contact as shown. Keeping the parts firmly in place, soft solder the contact to the center conductor. Do not overheat and swell the dielectric. Insert into body sub assembly. Tighten nut snugly.

CABLE ASSEMBLY INSTRUCTIONS AI #33

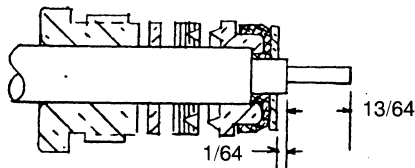
TNC RIGHT ANGLE PLUG 24P147-1, 24P159-1 WITH CAPTIVE CONTACT



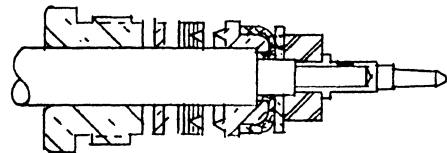
- Slide nut, washer and gasket on cable and slide back out of way. Note correct position of 'V' groove in gasket. Remove jacket to dimension shown. Do not nick braid. Taper end of braid for ease of assembly of braid clamp.



- Slide braid clamp over braid and seat inner shoulder firmly against end of jacket. Cut braid to dimension shown. Do not nick dielectric.



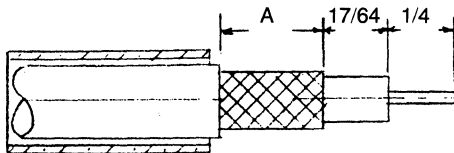
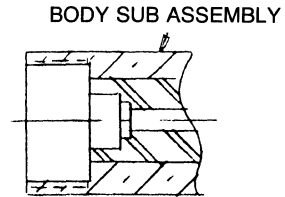
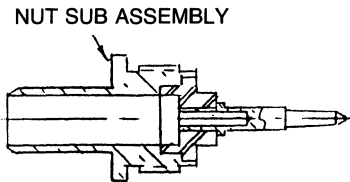
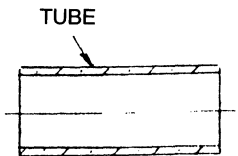
- Form braid over the clamp. Place the smaller washer in position shown. Trim dielectric and center conductor to dimension shown. Do not nick center conductor.



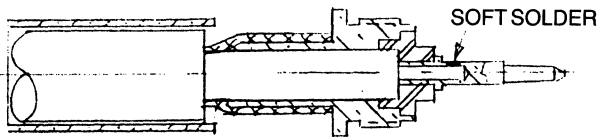
- Place insulator and contact in position shown. Holding everything firmly in place, soft solder the contact to center conductor. Do not overheat. Remove any excess solder. Insert into body sub assembly and tighten nut to 50-60 in. lb.

CABLE ASSEMBLY INSTRUCTIONS AI #37

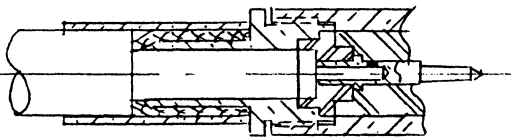
LONG CRIMP STYLE



- Slide tube on cable and push back out of the way. Trim cable to dimensions shown. Do not nick braid or center conductor.



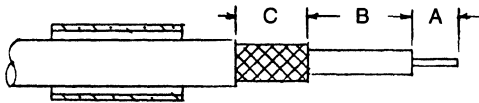
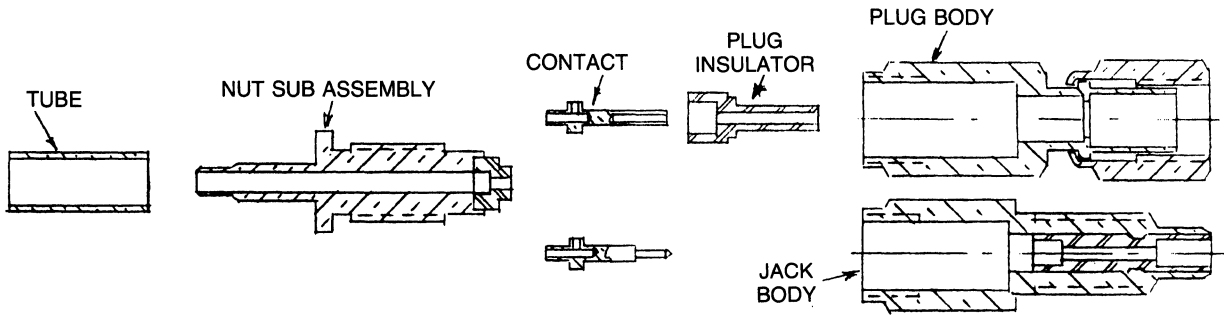
- Rotate the cable dielectric to slightly flare the braid. Insert nut sub assembly into position. The braid should be flush with nut face as shown and the center conductor of the cable should be visible through the hole in the contact. Soft solder the contact and center conductor. Do not overheat. Remove any excess solder.



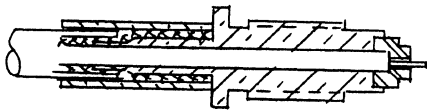
- Push up the tube until it butts against face of nut. Using the proper crimp tool, crimp as close as possible to the nut. See the table below for proper hex crimp tool size for the given cable. Screw body onto the nut. Tighten snugly. There should be a slight gap between nut and body.

CABLE	TOOL HEX SIZE	PART NUMBER	'A' DIM.
RG55, 142, 223	.213	28J106, 28JS122-1, -2, -5	9/32
RG59, 62, 210	.255	28P106, 28P149, 27JS114	
RG58, 141	.213		
RG71	.268	20J125, 20P232, 20P233, 28JS122-3	5/16
RG122, 180, 195	.178	28JS152-1 28P287, 28P218, 24J106,	
RG178, 196	.105	24JS110, 28J147, 24P102, 24P119,	
RG174, 187, 188	.128	28JS168, 28JS105, 28P261,	
.120 O.D. Used with 28P261	.151	17773-11253481-1 (28JS122-7), 28JS152-1	

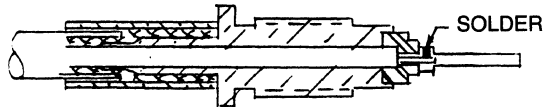
CABLE ASSEMBLY INSTRUCTIONS AI #39



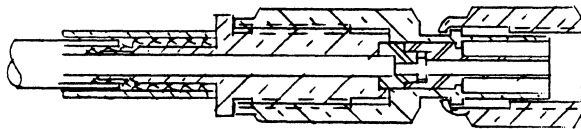
1. Slide tube on cable and push back out of the way. Trim cable to dimensions shown. Do not nick braid or center conductor.



2. Slightly rotate dielectric of cable to free braid. Insert nut sub assembly onto cable. Braid should come up approximately flush with shoulder of nut and dielectric should bottom in insulator. A small slit in cable jacket may be necessary to get it up in position. Crimp with proper tool as close to shoulder as possible.



3. Soft solder contact in position. Do not overheat. Remove any excess solder.

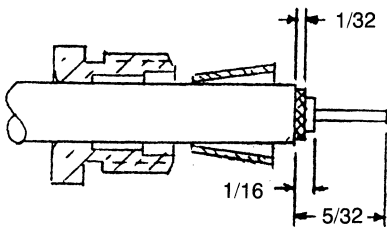
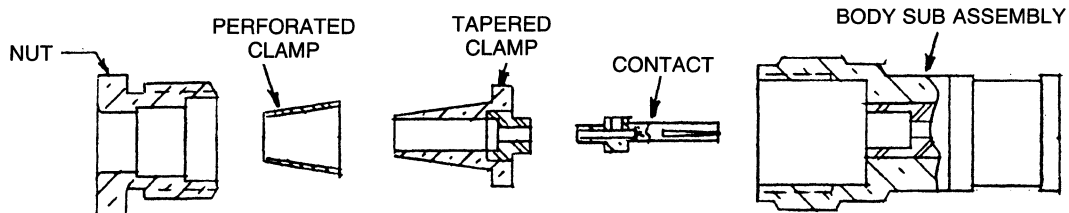


4. On plug assemblies place insulator in position. Screw the body onto the nut and tighten securely.

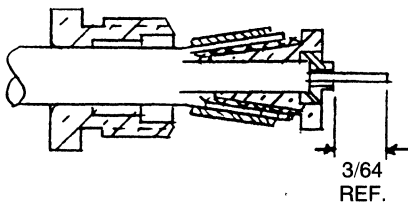
CABLE	CRIMP TOOL HEX SIZE	37J103			377P100		
		A	B	C	A	B	C
RG174, 179, 188	.128	3/32	5/16	13/64	9/64	9/32	1/4
RG178, 196	.105	3/32	5/16	13/64	9/64	9/32	1/4
RG122, 180, 195	.178	3/32	5/16	13/64	9/64	9/32	1/4
RG58, 141	.213	3/32	5/16	13/64	9/64	9/32	1/4

CABLE ASSEMBLY INSTRUCTIONS AI #40

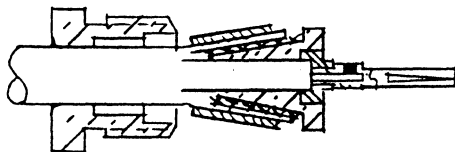
PART #32P105-1, 37P112



1. Slide nut and perforated clamp on cable and push back out of the way. Strip cable as shown. Do not nick braid or center conductor. On teflon jacketed cables make two or three longitudinal slits on the jacket 1/8" long. Use a razor blade.



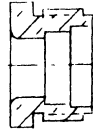
2. Rotate the dielectric to flare the braid. Push tapered clamp into position over the dielectric and under the braid. Be certain all the braid strands go on the outside of the taper.



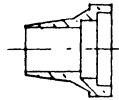
3. Place the center contact in position snugly against insulator. The cable center conductor should be visible through the solder hole. Soft solder the contact. Do not overheat. Remove any excess solder. Push perforated clamp up into position. Form snugly around the jacket. Assemble nut and body and tighten.

CABLE ASSEMBLY INSTRUCTIONS AI #46

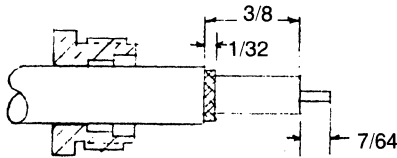
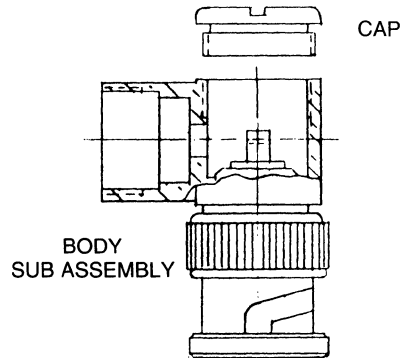
PART #28P234-1



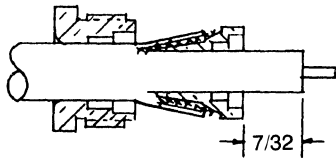
NUT



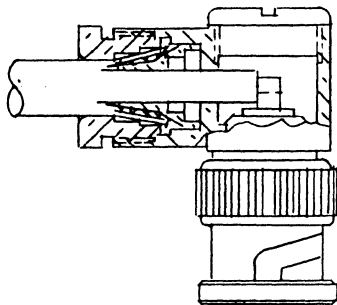
CLAMP



1. Slide nut on cable and push back out of the way. Trim jacket, braid, dielectric and center conductor to dimensions shown. Do not nick braid or center conductor. Rotate dielectric to flare braid and jacket.



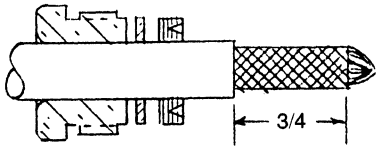
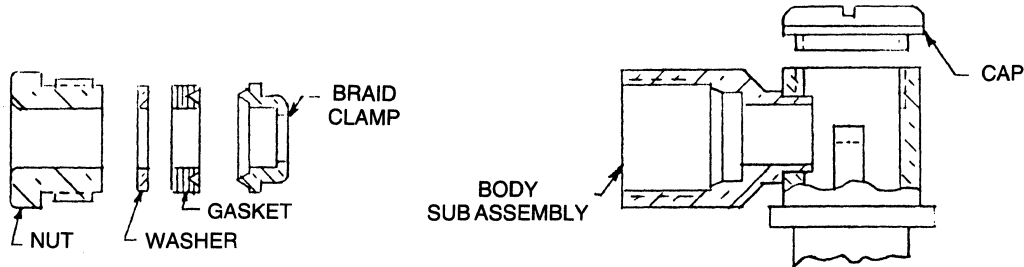
2. Push clamp over dielectric and under braid to dimension shown. For hard jacketed cables it may be necessary to make (3) longitudinal slits in the jacket approx. 1/8" long.



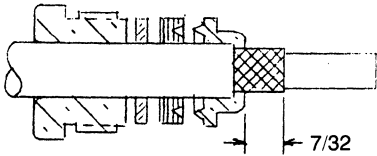
3. Insert cable into body sub assembly making certain the cable center conductor goes in the slot in the contact. Tighten the nut securely to 20-25 in-lb. Soft solder the center conductor to contact. Avoid any excess solder. Install cap and tighten.

CABLE ASSEMBLY INSTRUCTIONS AI #47

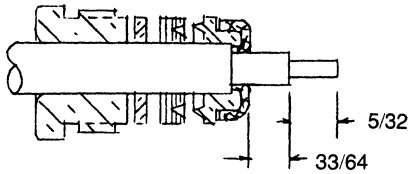
PART #25JS127-1, -2



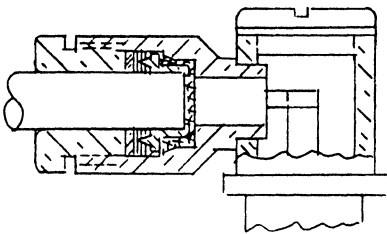
1. Slide nut, washer and gasket on cable and slide back out of way. Note correct position of 'V' groove in gasket. Remove jacket to dimension shown. Do not nick braid. Taper end of braid for ease of assembly of braid clamp.



2. Slide braid clamp over braid and seat inner shoulder firmly against end of jacket. Cut braid to dimension shown. Do not nick dielectric.

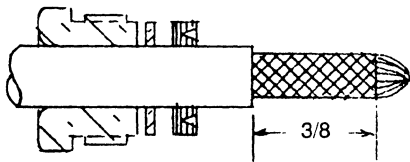
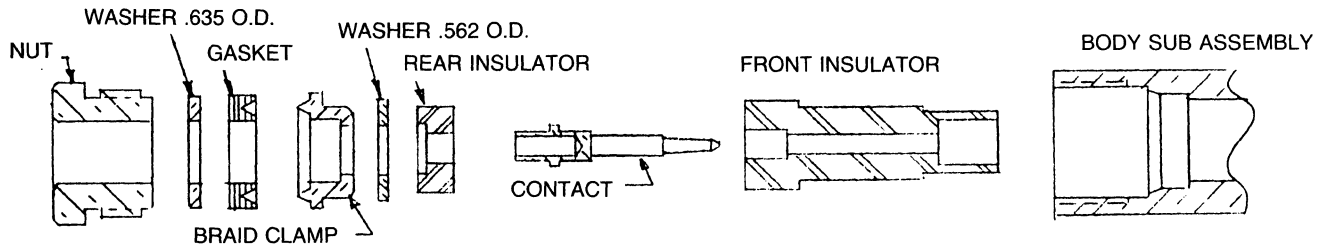


3. Form braid over the clamp. Trim dielectric and center conductor to dimensions shown. Do not nick center conductor.

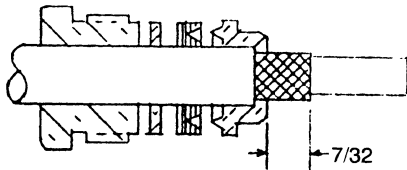


4. Insert into body sub assembly being certain center conductor goes into slot in contact. Tighten nut to 50 to 60 in. lb. Soft solder center conductor to contact. Install cap.

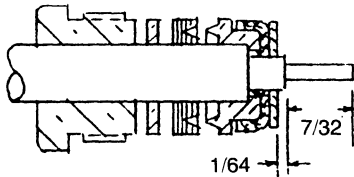
CABLE ASSEMBLY INSTRUCTIONS AI #50



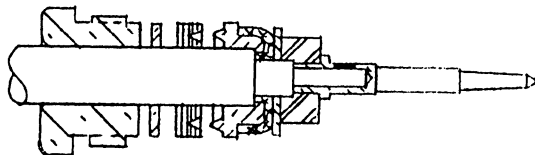
1. Slide nut, washer and gasket on cable and slide back out of the way. Note correct position of 'V' groove in gasket. Remove jacket to dimension shown. Do not nick braid. Taper end of braid for ease of assembly of braid clamp.



2. Slide braid clamp over braid and seat inner shoulder firmly against end of jacket. Cut braid to dimension shown. Do not nick dielectric.



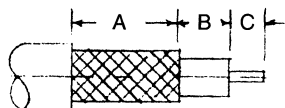
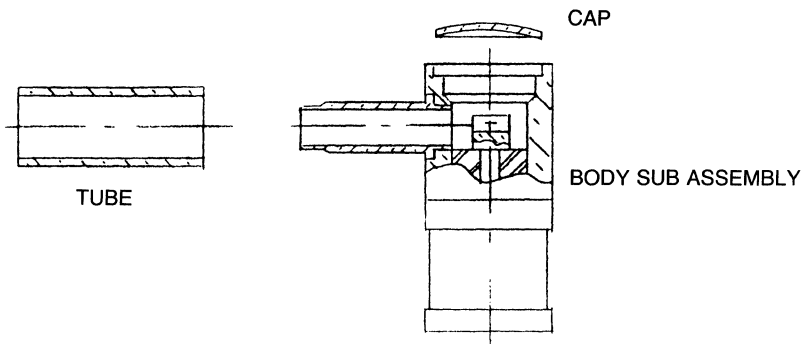
3. Form braid over the clamp. Place the smaller washer in position shown. Trim dielectric and center conductor to dimension shown. Do not nick center conductor.



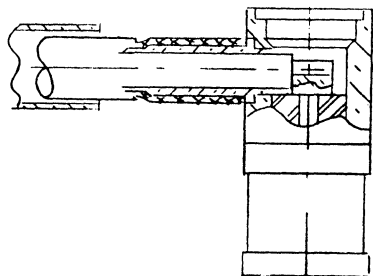
4. Place rear insulator and contact in position shown. Holding everything firmly in place, soft solder the contact to center conductor. Do not overheat. Remove any excess solder. Place the front insulator in position. Insert into body sub assembly and tighten nut to 50-60 in. lb.

CABLE ASSEMBLY INSTRUCTIONS AI #53

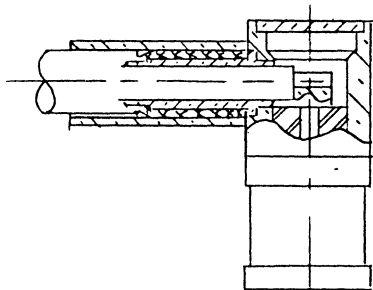
SMB & SMC SERIES RT. ANGLE CRIMP ON STYLE



1. Strip cable to dimensions shown. Do not nick braid and center conductor.



2. Slip tube on cable and push back out of the way. Insert cable into body sub assembly with center conductor of cable in slot in contact. Cable dielectric should be up against the contact, braid against the body. Soft solder center conductor to contact. Do not overheat. Remove excess solder.



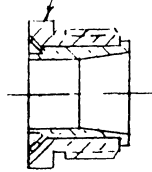
3. Bring tube up flush with body and crimp with proper tool as close as possible to body. Press cap into position.

PART NUMBER	CABLE TYPES	CRIMP TOOL	'A'	'B'	'C'
32P101, 33P145, 37P104, 32P111, 32P115	RG174, 188, 316	.128 HEX	7/32	5/64	3/64
32P101, 33P145, 37P104	RG178, 196	.105 HEX	7/32	5/64	3/64
32P101, 33P145, 37P104	RG58	.213 HEX	7/32	5/64	3/64
32P108-1	RG195	.178 HEX	7/32	3/32	1/16
32P108-2	RG179, 187	.128 HEX	7/32	3/32	1/16
32P108-3	RG180, 195	.178 HEX	7/32	3/32	1/16
32P108-4	RG59, 62	.255 HEX	7/32	3/32	1/16

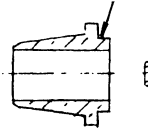
CABLE ASSEMBLY INSTRUCTIONS AI #54

DOUBLE WEDGE STYLE FOR TPS SERIES

NUT ASSEMBLY



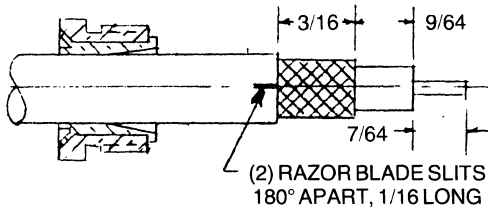
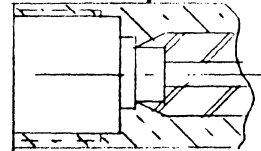
TAPERED CLAMP



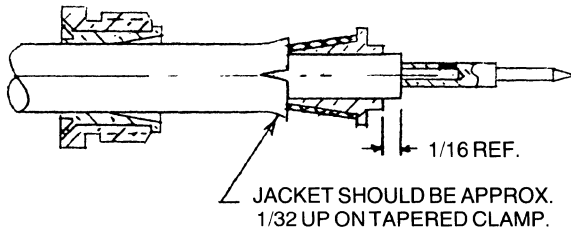
CONTACT



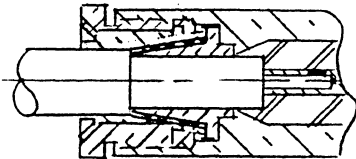
BODY



1. Slide nut assembly on cable and push back out of the way. Strip cable to dimensions shown. Do not nick braid or center conductor. Make razor blade slits as shown.



2. Rotate dielectric to flare the braid. Slide clamp over dielectric and under braid until the braid is flush with the shoulder of the clamp as shown. Place the contact in position and soft solder. Do not overheat. Remove any excess solder.

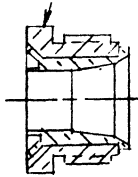


3. Push the nut assembly up into position. Assemble nut and body by holding the nut stationary and turning the body only. Tighten to 30 in.-lb.

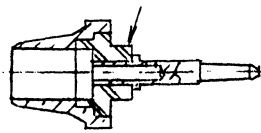
LOCKHEED PT. NO.	SPECIALTY PT. NO.
2994424-2	23P109-1
2994424-4	23P109-2
2994466-2	23P107-1
2994466-4	23P107-2
2994478-2	23JS105-1

CABLE ASSEMBLY INSTRUCTIONS AI #55

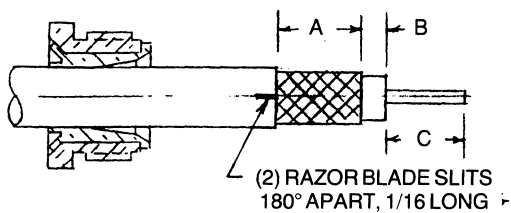
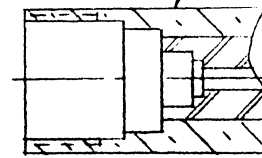
NUT ASSEMBLY



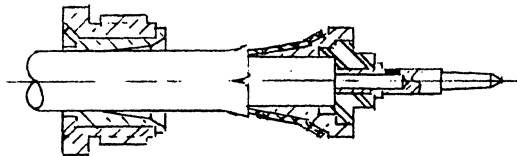
TAPERED CLAMP ASSEMBLY



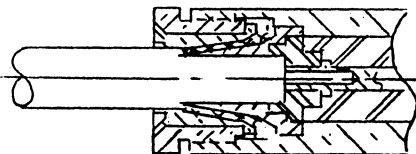
BODY



1. Slide nut assembly on cable and push back out of the way. Strip cable to dimensions shown. Do not nick braid or center conductor. Make razor blade slits as shown.



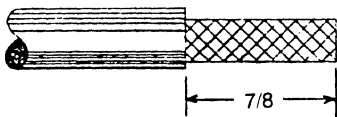
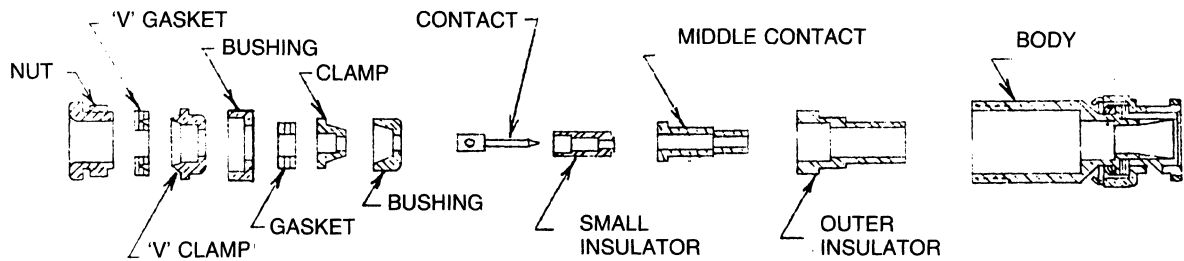
2. Rotate dielectric or use pick to flare braid. Push tapered clamp assembly into position shown. The center conductor should be visible through the solder hole. Soft solder. Do not overheat. Remove any excess solder.



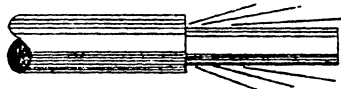
3. Push the nut assembly up into position. Assemble nut and body by holding the nut stationary and turning the body only. Tighten to indicated torque.

SPECIALTY PART NO.	A	B	C	TORQUE
39P118-1	3/16	1/64	1/4	15 IN-LB
39P118-2	3/16	1/64	1/4	15 IN-LB
27JS104-1, 28P225	1/4	1/32	1/4	15 IN-LB
28P166-3	1/4	1/32	1/4	15 IN-LB
25P153, 28J150, 24P158-1, 24JS143-1, 28JS193-1, 28JS191-1	1/4	1/32	1/4	15 IN-LB
39J108-6	3/16	1/32	13/64	15 IN-LB
32P103-1,-2, 37J105	3/16	1/16	3/32	15 IN-LB
39P136-1	3/16	1/32	13/64	15 IN-LB
28P282-1	5/32	1/64	1/4	35 IN-LB

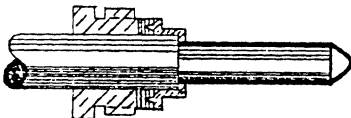
CABLE ASSEMBLY INSTRUCTIONS AI #56



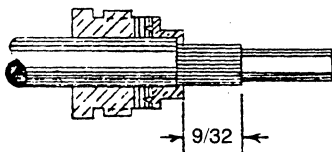
1. Cut off end of cable square and remove jacket. Do not nick braid.



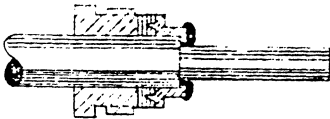
2. Comb out braid.



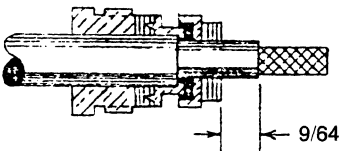
3. Taper braid. Slide nut, V gasket and V clamp over tapered braid. Make sure inner shoulder of clamp is positioned tightly against end of jacket.



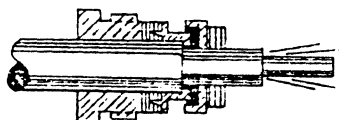
4. Trim braid as shown.



5. Flare braid back over clamp. Trim any excess.

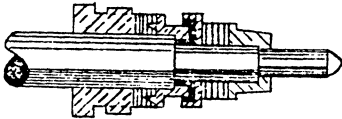


6. Place large bushing and gasket in position. Remove inner jacket to dimension shown.

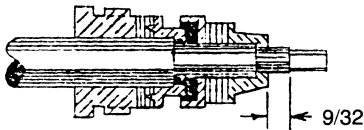


7. Comb out inner braid.

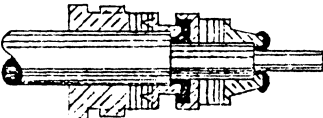
CABLE ASSEMBLY INSTRUCTIONS AI #56 CONT.



8. Taper inner braid. Slide small clamp over tapered braid. Make sure inner shoulder of clamp is positioned tightly against end of inner jacket.



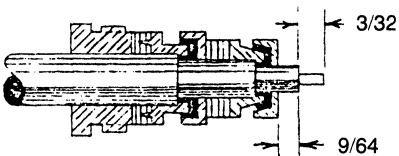
9. Trim inner braid as shown.



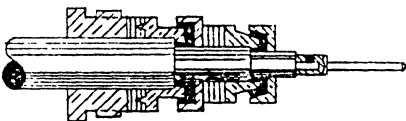
10. Flare inner braid back over clamp. Trim if necessary.



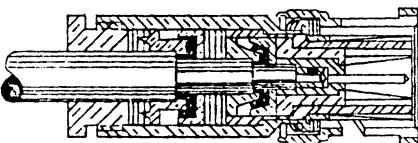
11. Place small bushing in position. Push firmly against flared inner braid.



12. Trim dielectric and center conductor as shown. Do not nick center conductor.

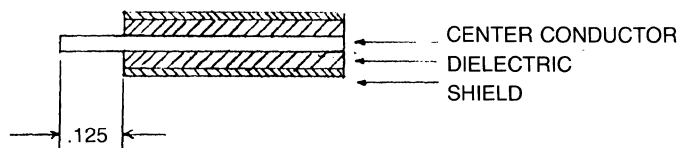


13. Solder contact onto center conductor. Remove excess solder. **Do not** overheat dielectric as it will distort and not enter the body insulator properly. Place small insulator, middle contact, and outer insulator in position.

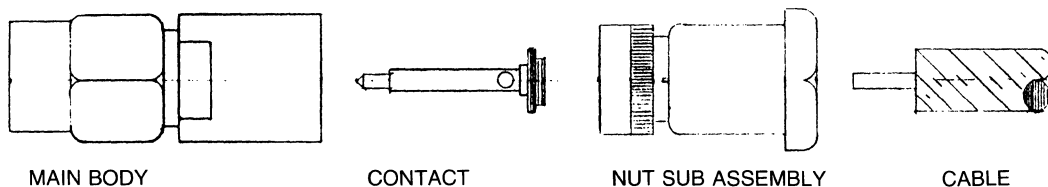


14. Insert completed cable hardware assembly into the body. Make sure the V gasket is properly seated on the V before tightening nut. Tighten nut with wrench.

CABLE ASSEMBLY INSTRUCTIONS AI #59



**CABLE STRIP DETAIL
FIGURE 1**



1. Strip cable as shown in fig. 1

2. Slide nut sub assembly onto cable until outer shield hits stop.

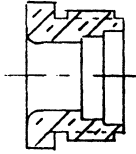
3. Place contact assembly on center conductor until insulator sets into nut sub assembly and solder center pin in place.

4. Insert in main body until center pin is firmly in place.

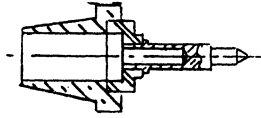
5. Holding body on flats tighten nut sub assembly.

CABLE ASSEMBLY INSTRUCTIONS AI #61

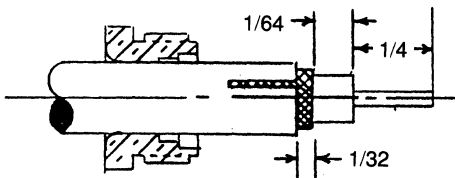
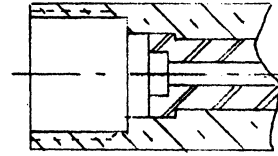
NUT



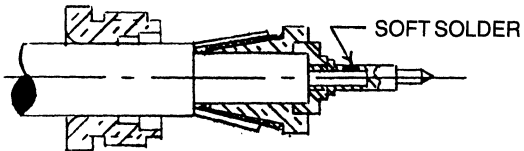
TAPERED CLAMP ASSY.



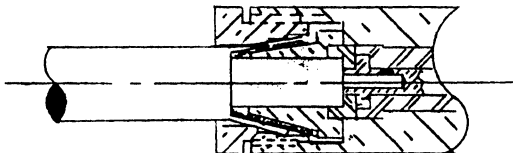
BODY



1. Slide nut on cable and push back out of the way. Strip cable to dimensions shown. Make three equally spaced slits in jacket approx. 1/8" long.



2. Rotate dielectric or use pick to flare braid. Push tapered clamp assembly into position shown. The center conductor should be visible through the solder hole. Solder. Do not overheat. Remove any excess solder.



3. Assemble to body. Tighten nut and body to 20-25 in.-lbs. torque.

CABLE ASSEMBLY INSTRUCTIONS AI #65

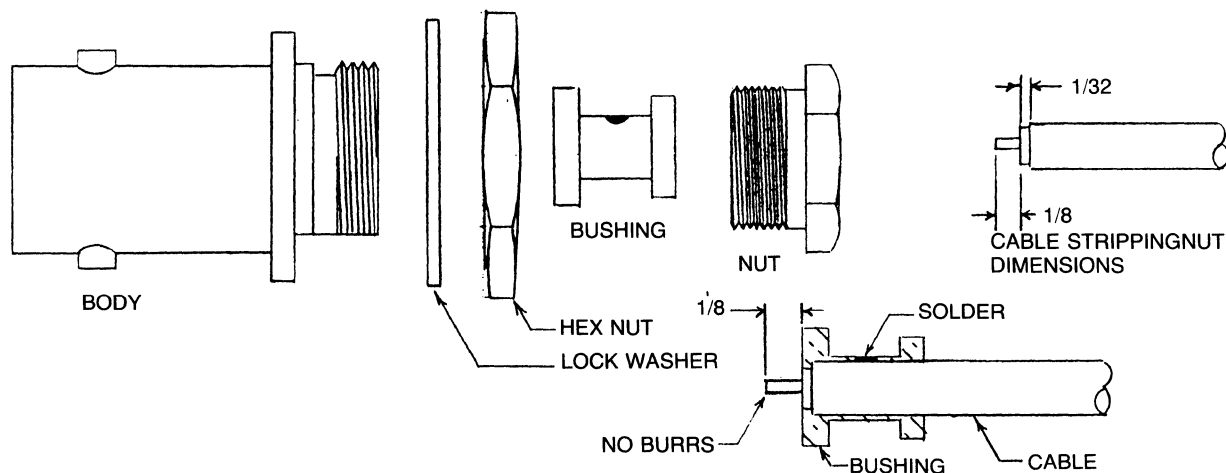


FIGURE 1.

1. Cut cable off square and trim outer jacket back 5/32 inch.

2. Trim dielectric back 1/8 inch being careful not to nick the center conductor. Be certain there are no burrs on the center conductor.

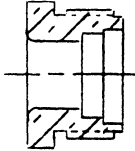
3. Slide on the nut and then place bushing on the cable being careful to seat the bushing all of the way on the cable. See fig. 1.

4. Solder the bushing to the cable jacket.

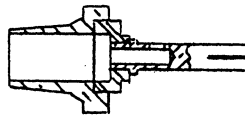
5. Push the cable and bushing into the body and slide nut up and tighten.

CABLE ASSEMBLY INSTRUCTIONS AI #66

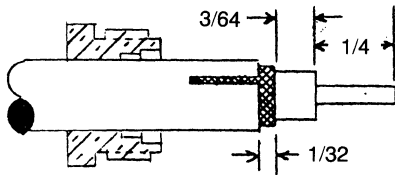
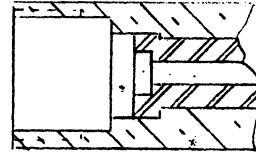
NUT



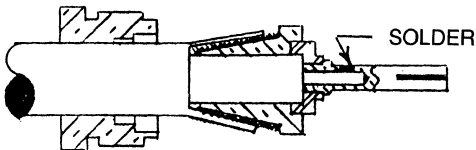
CLAMP ASSEMBLY



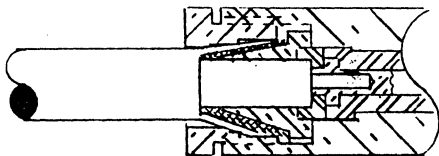
BODY



1. Slide nut on cable and push back out of the way. Strip cable to dimensions shown. Make three equally spaced slits in jacket approx. 1/8" long, on non-pliable jackets.



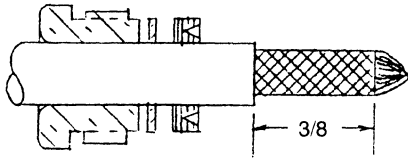
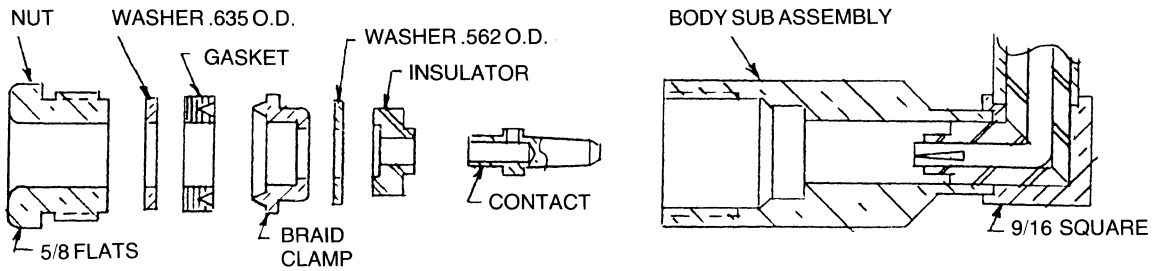
2. Rotate dielectric or use pick to flare braid. Push tapered clamp assembly into position shown. The center conductor should be visible through the solder hole. Solder. Do not overheat. Remove any excess solder.



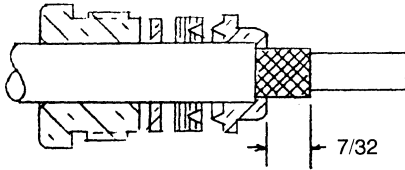
3. Assemble to body. Tighten nut and body to 20-25 in.-lbs. torque.

CABLE ASSEMBLY INSTRUCTIONS AI #71

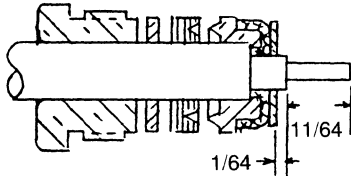
'N' RIGHT ANGLE PLUG 25P127 WITH CAPTIVE CONTACT



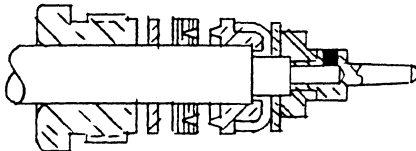
1. Slide nut, washer and gasket on cable and slide back out of way. Note correct position of 'V' groove in gasket. Remove jacket to dimension shown. Do not nick braid. Taper end of braid for ease of assembly of braid clamp.



2. Slide braid clamp over braid and seat inner shoulder firmly against end of jacket. Cut braid to dimension shown. Do not nick dielectric.

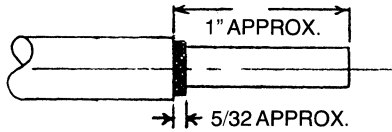
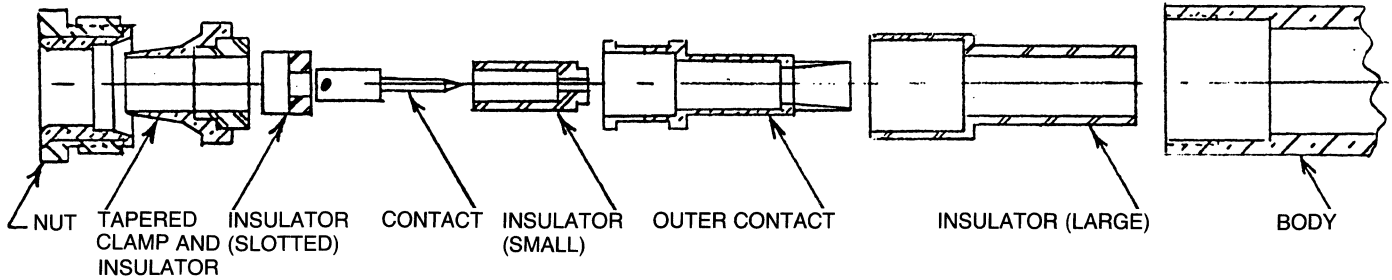


3. Form braid over the clamp. Place the smaller washer in position shown. Trim dielectric and center conductor to dimension shown. Do not nick center conductor.

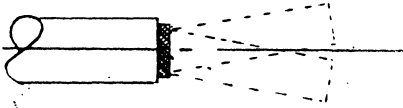


4. Place insulator and contact in position shown. Holding everything firmly in place, soft solder the contact to center conductor. Do not overheat. Remove any excess solder. Insert into body sub assembly and tighten nut to 50-60 in. lb.

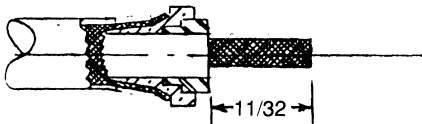
CABLE ASSEMBLY INSTRUCTIONS AI #72



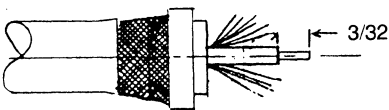
1. Slip nut on cable and cut jacket and braid as shown. Do not cut through dielectric.



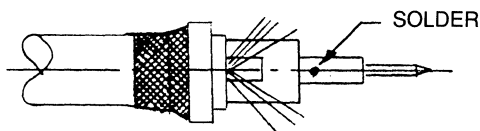
2. Rotate cable dielectric to flare braid and jacket.



3. Push on tapered clamp and insulator over dielectric and under braid to position shown. Cut through the dielectric that is exposed to the next braid being careful not to nick the braid wires. Be sure to observe the dimensions shown.

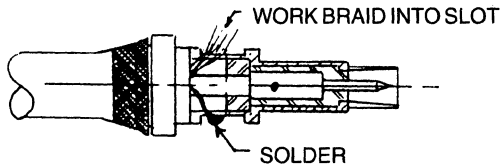


4. Comb out the braid wires and trim the inner dielectric to center conductor to the dimensions as shown.

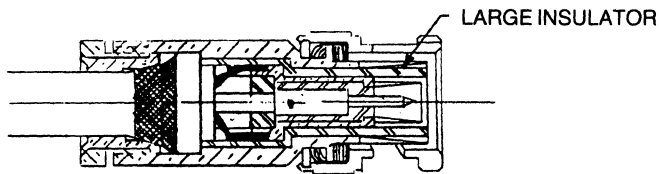


5. Try to divide the braid wires evenly and slide the slotted insulator over the outer dielectric pulling the braid wires through the slot. Be sure the slotted insulator fits against the insulator in the clamp assembly. Place the contact on the center conductor and make sure it touches the slotted insulator. Solder in place.

CABLE ASSEMBLY INSTRUCTIONS AI #72 CONT.

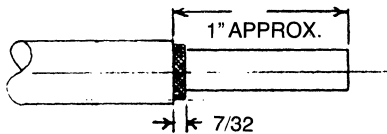
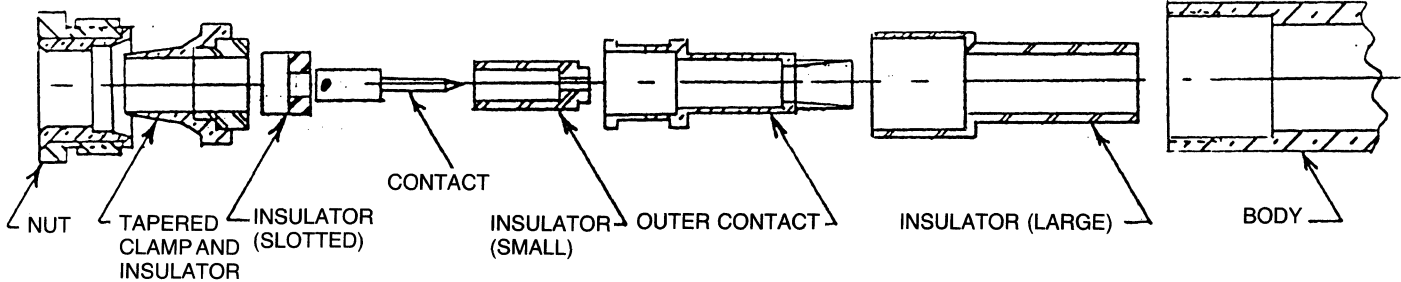


6. Slide the small insulator over the contact and into place. Work the braid wires into the slots of the outer contact. Wrap the braid wires around the contact between the two shoulders and solder in place. The braid wires and solder cannot protrude above the shoulders.

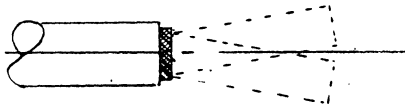


7. Slide large insulator in body and place these on the outer contact assembly. Bring up the back nut and tighten to 25-30 inch pounds.

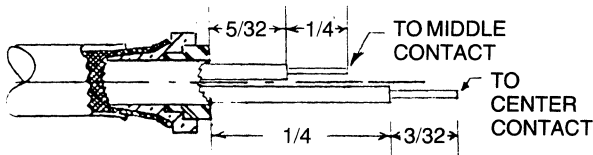
CABLE ASSEMBLY INSTRUCTIONS AI #77



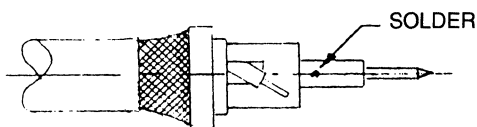
1. Slip nut on cable and cut jacket and braid as shown. Do not cut through dielectric.



2. Rotate cable dielectric to flare braid and jacket.

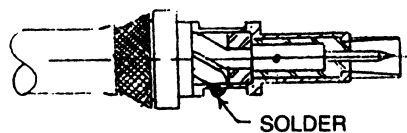


3. Push on tapered clamp and insulator over dielectric and under braid to position shown. Cut off fillers flush with face of insulator. Cut two middle dielectrics and conductors as shown using the face of the insulator as a reference plane.

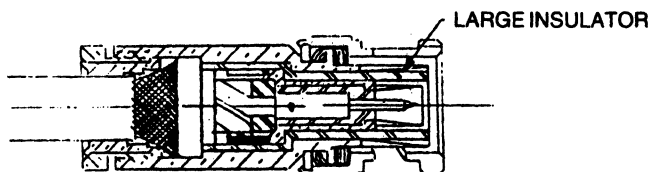


4. Place slotted insulator in position with slot facing toward cable. The longer dielectric goes through the slot and center hole and the shorter dielectric lays in the slot. Place center contact in position and soft solder. The center contact should butt against the slotted insulator and the slotted insulator should butt against the reference insulator.

CABLE ASSEMBLY INSTRUCTIONS AI #77 CONT.



5. Slip on small insulator and outer contact. Place the remaining center conductor through the slot of the outer contact and wrap it around between the two shoulders. Solder in place. Solder and wire should not extend above shoulder.



6. Slide large insulator in body and place these on the outer contact assembly. Bring up the back nut and tighten to 25-30 inch pounds.

CABLE ASSEMBLY INSTRUCTIONS AI #81

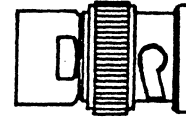
STRAIGHT CUT STYLE



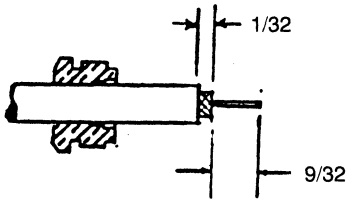
NUT



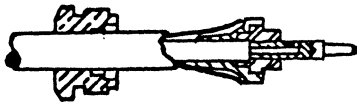
CONTACT
SUB-ASSEMBLY



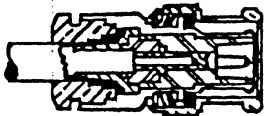
BODY



1. Slide nut over cable and cut jacket, braid, and dielectric as shown. Do not cut or nick center conductor.



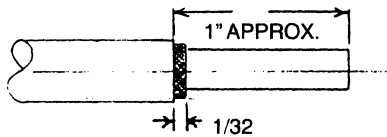
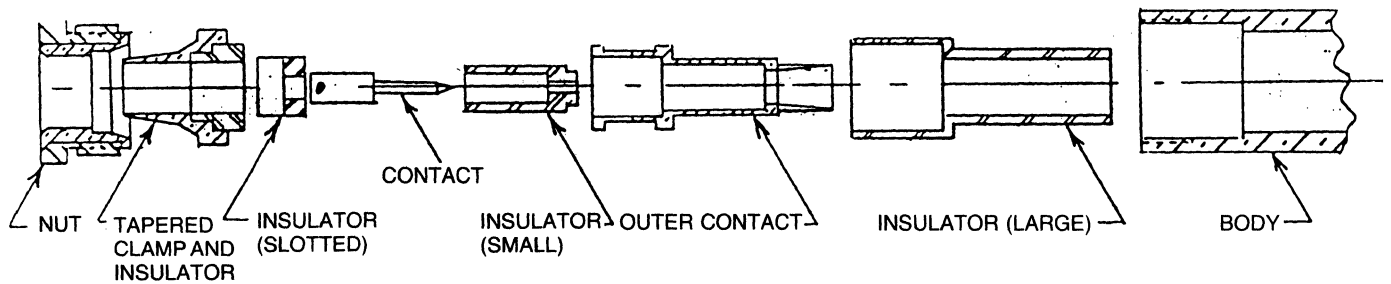
2. Push sub-assembly over dielectric with sharp edge of tapered clamp inserted between braid and dielectric to position shown. Center conductor must be visible in solder hole. Maintain position of the contact sub-assembly and soft solder contact to conductor.



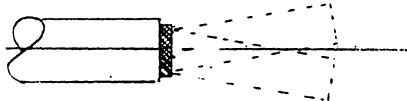
3. Insert completed sub-assembly into the body.

4. Thread nut into body and tighten with wrench.

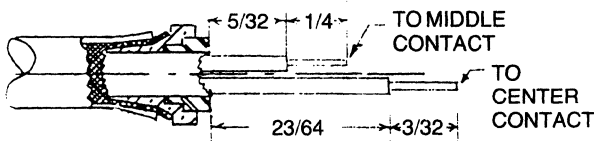
CABLE ASSEMBLY INSTRUCTIONS AI #83



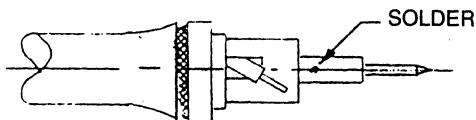
1. Slip nut on cable and cut jacket and braid as shown. Do not cut through dielectric.



2. Rotate cable dielectric to flare braid and jacket.

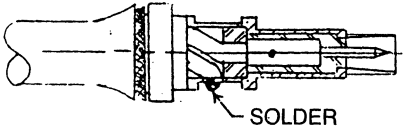


3. Push on tapered clamp and insulator over dielectric and under braid to position shown. Cut off fillers flush with face of insulator. Cut two middle dielectrics and conductors as shown using the the face of the insulator as a reference plane.

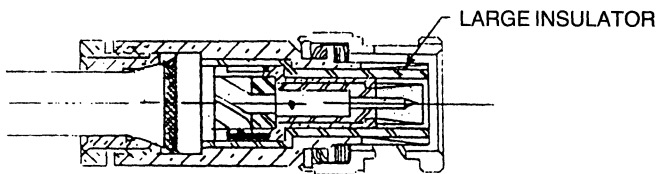


4. Place slotted insulator in position with slot facing toward cable. The longer dielectric goes through the slot and center hole and the shorter dielectric lays in the slot. Place center contact in position and soft solder. The center contact should butt against the slotted insulator and the slotted insulator should butt against the reference insulator.

CABLE ASSEMBLY INSTRUCTIONS AI #83 CONT.



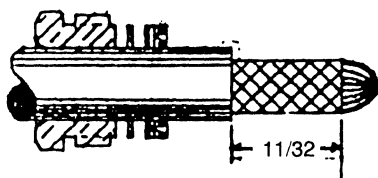
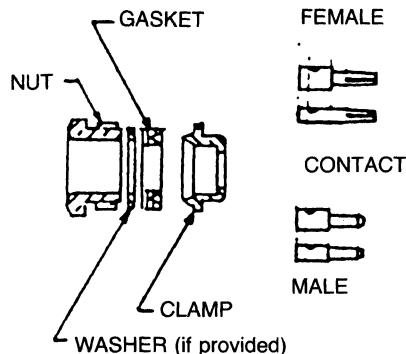
5. Slip on small insulator and outer contact. Place the remaining center conductor through the slot of the outer contact and wrap it around between the two shoulders. Solder in place. Solder and wire should not extend above shoulder.



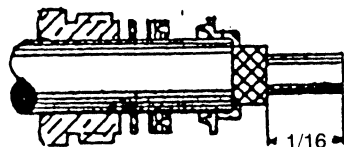
6. Slide large insulator in body and place these on the outer contact assembly. Bring up the back nut and tighten to 40-50 inch pounds.

CABLE ASSEMBLY INSTRUCTIONS AI #87

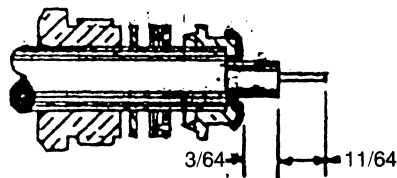
CABLE ASSEMBLY HARDWARE



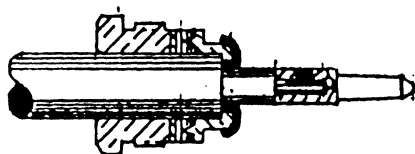
1. Slide nut, washer (if provided) and gasket over cable and position back far enough to permit unencumbered subsequent assembly operations. Cut off end of cable square and remove jacket to dimension indicated. Taper end of braid to permit positioning of the braid clamp. Do not nick braid while cutting the jacket.



2. Slide braid clamp over braid and seat inner shoulder firmly against end of jacket. Cut braid to dimension shown. Do not nick dielectric while cutting the braid.



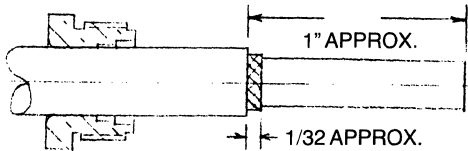
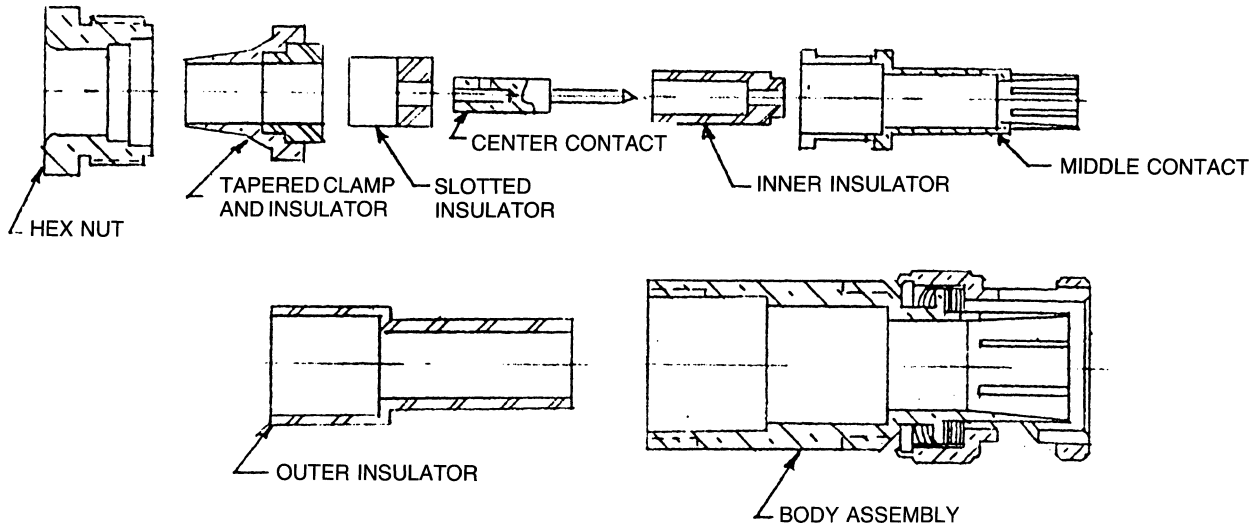
3. Form braid over clamp. Cut dielectric and center conductor to dimension. Do not nick center conductor while cutting dielectric to proper length.



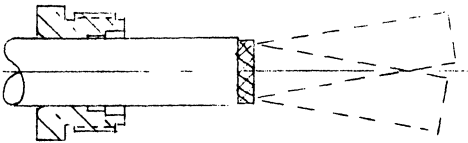
4. Solder furnished contact to center conductor. Remove excess solder. **Do not** overheat dielectric while soldering as it will distort and not enter the body insulator properly. Insert completed cable hardware assembly into the connector body provided. Make sure gasket is properly seated on the clamp before tightening nut. Tighten with torque wrench to 50 in. lbs.

CABLE ASSEMBLY INSTRUCTIONS AI #90

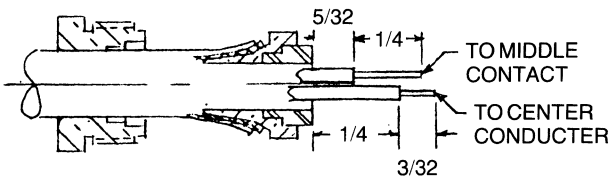
PARTS 30P105-1, 30P106-1, 30JS103-1, 30JS104-1
30P124, 47P103, 47P104



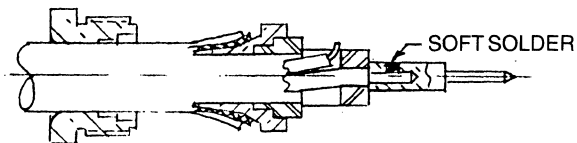
1. Slip hex nut on cable and cut jacket and braid as shown. Do not cut through dielectric.



2. Rotate cable dielectric to flare braid and jacket.

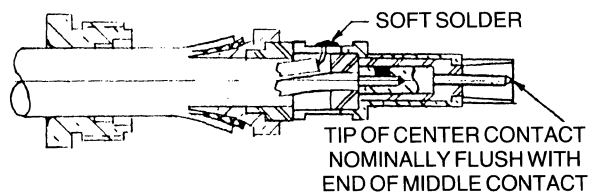


3. Push on tapered clamp and insulator over dielectric and under braid to position shown. Cut off dielectric flush with face of insulator. Cut two middle dielectrics and conductors as shown using the face of the insulator as a reference plane.

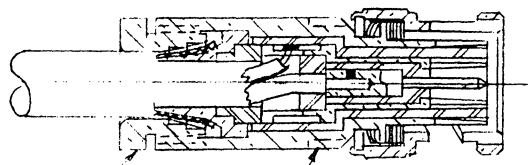


4. Place slotted insulator in position with slot facing toward cable. The longer dielectric goes through the slot and center hole and the shorter dielectric lays in the slot. Place center contact in position and soft solder. The center contact should butt against the slotted insulator and the slotted insulator should butt against the reference insulator.

CABLE ASSEMBLY INSTRUCTIONS AI #90 CONT.

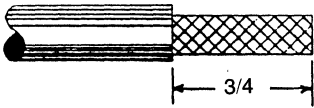
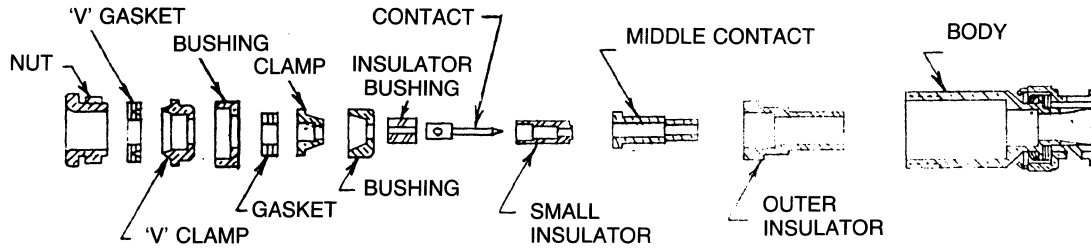


5. Slip on inner insulator and middle contact. Place the remaining center conductor through the slot of the middle contact and wrap it around between the two shoulders. Solder in place. Solder and wire should not extend above shoulder.

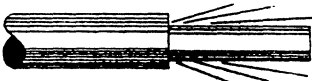


6. Slip on large insulator and body. Bring up nut and tighten in body to a torque of 25 to 30 inch pounds.

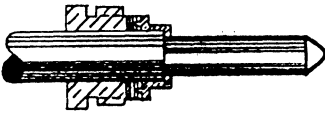
CABLE ASSEMBLY INSTRUCTIONS AI #92



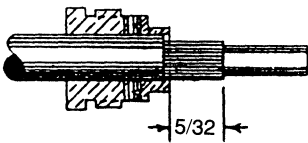
1. Cut off end of cable square and remove jacket. Do not nick braid.



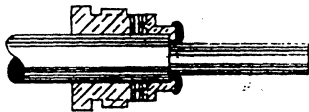
2. Comb out braid.



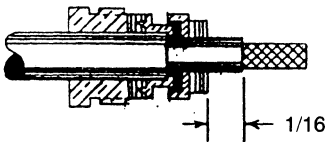
3. Taper braid. Slide nut, V gasket and V clamp over tapered braid. Make sure inner shoulder of clamp is positioned tightly against end of jacket.



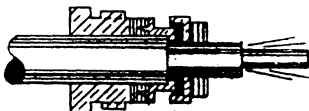
4. Trim braid as shown.



5. Flare braid back over clamp. Trim any excess.

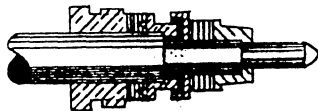


6. Place large bushing and gasket in position. Remove inner jacket to dimension shown.

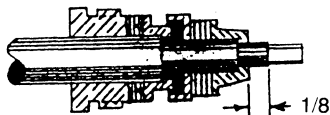


7. Comb out inner braid.

CABLE ASSEMBLY INSTRUCTIONS AI #92 CONT.



8. Taper inner braid. Slide small clamp over tapered braid. Make sure inner shoulder of clamp is positioned tightly against end of inner jacket.



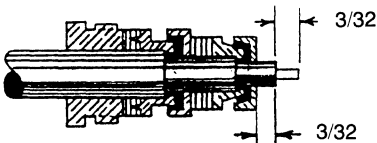
9. Trim inner braid as shown.



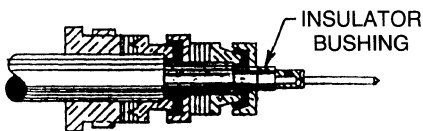
10. Flare inner braid back over clamp. Trim if necessary.



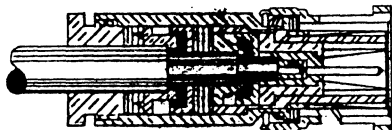
11. Place small bushing in position. Push firmly against flared inner braid.



12. Trim dielectric and center conductor as shown. Do not nick center conductor. Place insulator bushing in position over cable dielectric.



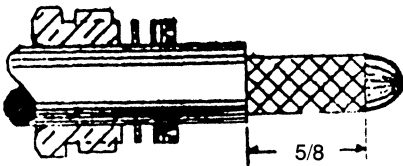
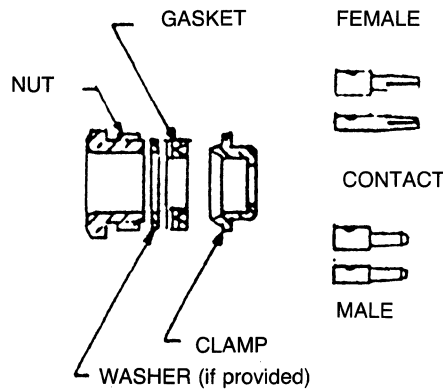
13. Solder contact onto center conductor. Remove excess solder. **Do not** overheat dielectric as it will distort and not enter the body insulator properly. Place small insulator, middle contact, and outer insulator in position.



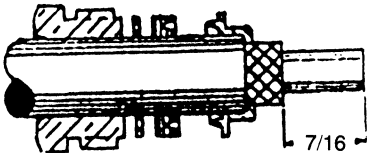
14. Insert completed cable hardware assembly into the body. Make sure the V gasket is properly seated on the V before tightening nut. Tighten nut with wrench.

CABLE ASSEMBLY INSTRUCTIONS AI #93

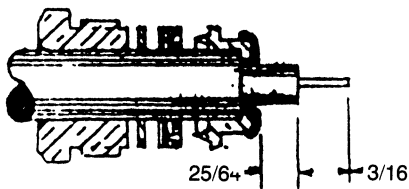
CABLE ASSEMBLY HARDWARE



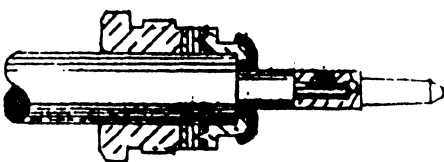
1. Slide nut, washer (if provided) and gasket over cable and position back far enough to permit unencumbered subsequent assembly operations. Cut off end of cable square and remove jacket to dimension indicated. Taper end of braid to permit positioning of the braid clamp. Do not nick braid while cutting the jacket.



2. Slide braid clamp over braid and seat inner shoulder firmly against end of jacket. Cut braid to dimension shown. Do not nick dielectric while cutting the braid.



3. Form braid over clamp. Cut dielectric and center conductor to dimension. Do not nick center conductor while cutting dielectric to proper length.



4. Solder furnished contact to center conductor. Remove excess solder. **Do not** overheat dielectric while soldering as it will distort and not enter the body insulator properly. Insert completed cable hardware assembly into the connector body provided. Make sure gasket is properly seated on the clamp before tightening nut. Tighten with torque wrench to 20 in. lbs.

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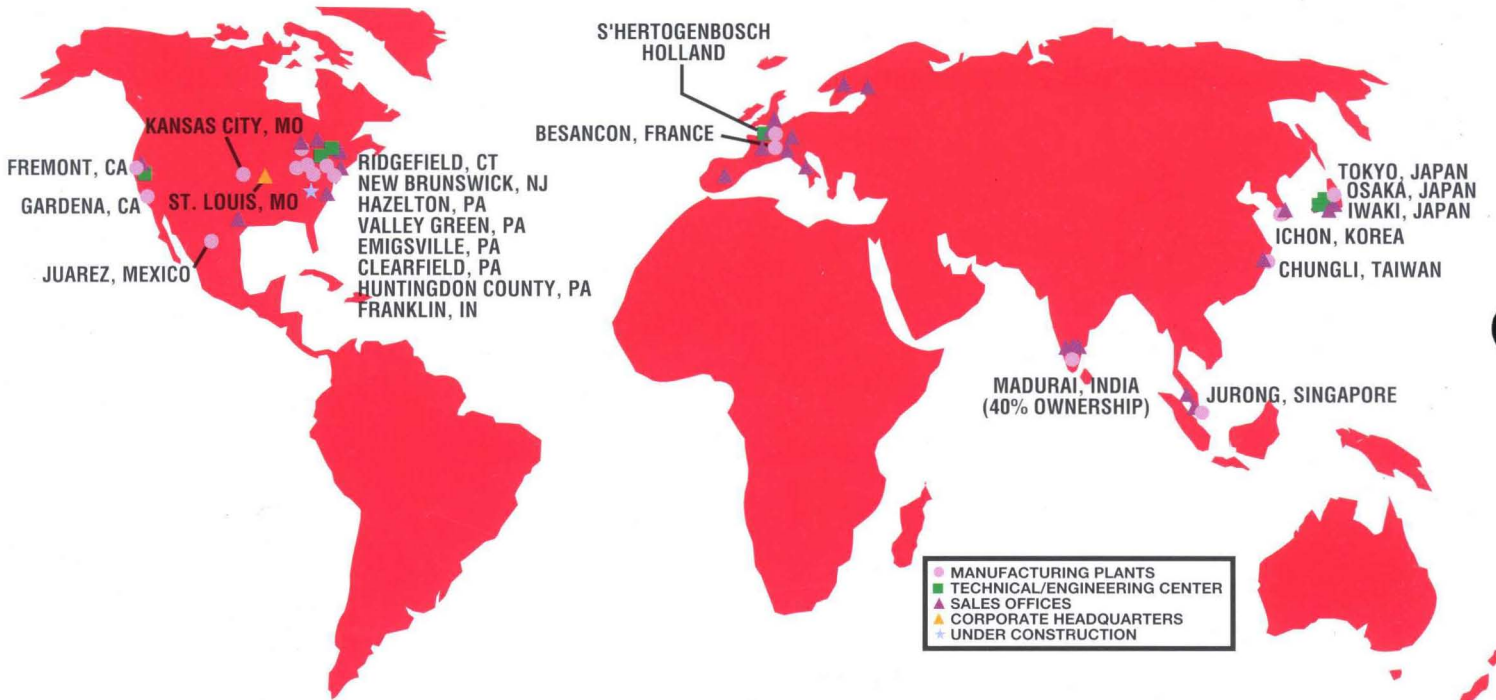
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