Tekelec
A'dam

MICROWAVE COAXIAL CONNECTORS
CABLE ASSEMBLIES
COMPONENTS

Americon

Americon®

Packed within the pages of this extensive catalog one will find the very latest in design techniques applied to microwave miniature coaxial connectors and components. These products are the result of the talent and drive of Americon's team of engineers whose goal is to provide the microwave industry with the very latest, high performance, high quality microwave components.

HOW TO ORDER:
Please specify part no. and description of items. If special features are required describe completely, and a special part number will be assigned at our plant.

* When using the local stocking representatives listed on pages 150 & 151, address to Americon care of appropriate representative.

ASSEMBLY INSTRUCTIONS:
Assembly instructions for cable connectors are provided with each shipment.

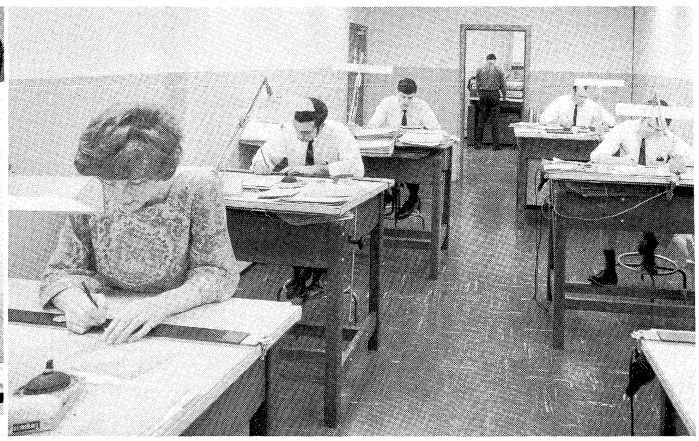
ADDRESS ORDER TO:*
Americon Microwave Industries Incorporated
87 Rumford Avenue, Waltham, Massachusetts 02154
TERMS: Net 30 days F.O.B. our plant.
DELIVERY: Normally from stock.
TRANSPORTATION: Unless otherwise specified, per our choice.

WARRANTY

Americon warrants products of its manufacture to be free from defects in material and workmanship under conditions of normal use. If within one year after delivery to the original owner and after prepaid return by the original owner, any Americon product is found to be defective, Americon shall at its option repair or replace said defective item. This warranty does not apply to products which have been disassembled, modified or subjected to conditions exceeding the applicable specifications or ratings. In addition, this warranty does not apply to tubes, transistors, diodes, and fuses. Americon reserves the right to make design changes without notice on any of its products without any obligation to make the same or similar changes to items previously purchased. In no event does Americon assume liability for installation labor or for consequential damages. This warranty is the extent of the obligation or liability assumed by Americon with respect to its products, and no other warranty or guarantee is either expressed or implied.

ENGINEERING

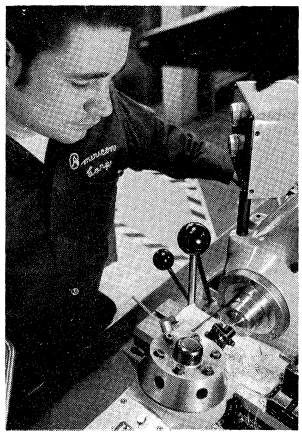
In order to realize the ideas conceived in the research and development stage, a proper sequence of events must occur efficiently and consistently. The description of a product is accomplished through the careful and exacting language of drawings. Through this media the instruction for manufacture and control of performance and quality is accomplished.

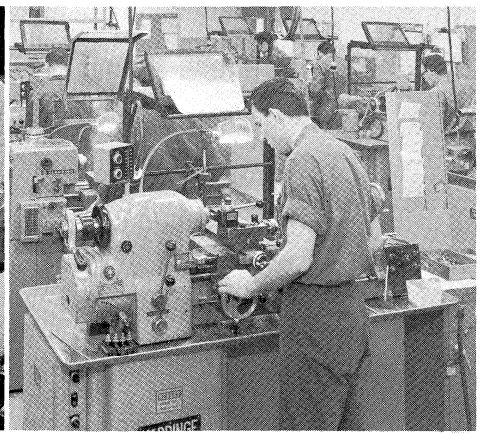


DRAFTING ROOM

PRODUCTION

The initial shaping of the product takes place in the machine shop. A talented group of craftsmen combined with the most precise equipment available are basic requirements for precision products. Clean and accurate assembly of a microwave product is all important for reliable performance.





SHOP

ASSEMBLY

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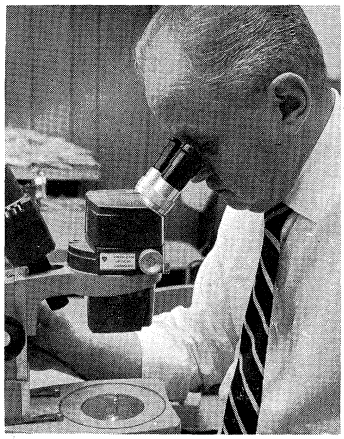
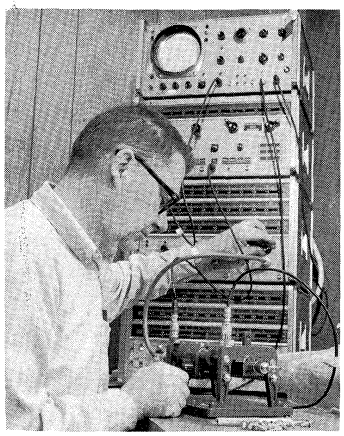
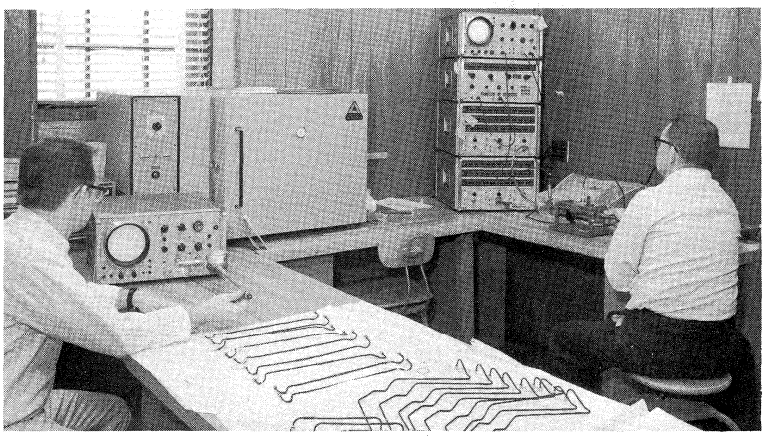


QUALITY CONTROL

TESTING
Maintaining a high standard of quality can only be accomplished through careful screening and inspection of each product with high grade inspection equipment and personnel.





LABORATORY

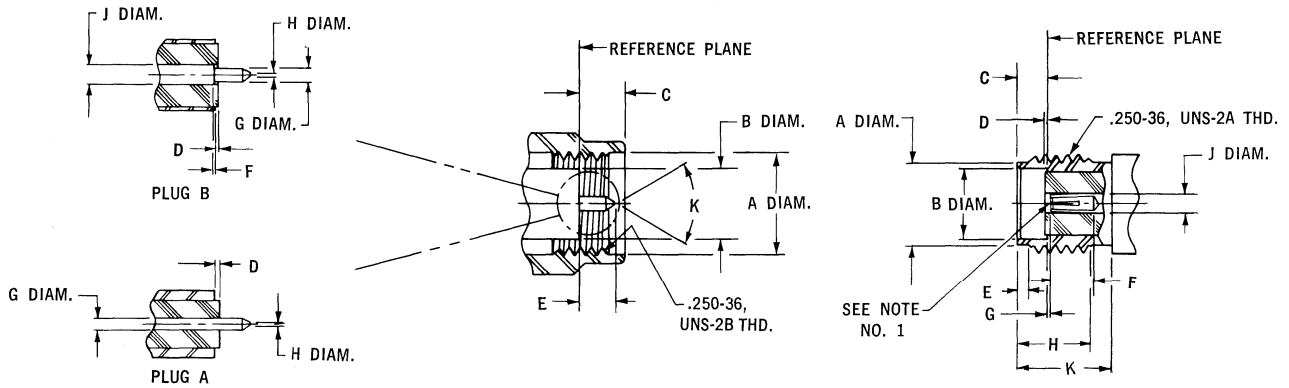
LABORATORY
The proof positive of a product's performance is determined in the test laboratory where, through the use of the finest and most accurate microwave test equipment available, an extremely high standard is maintained.

T.M.

MINIATURE CONNECTORS

The demand for miniature connectors has grown rapidly over the past decade as the microwave system faced both the problem of complexity and the demands of miniaturization. ARM miniature connectors offer superior R.F. performance, lightweight, small size, and rugged stainless steel construction. They are available in a wide variety of configurations accommodating both flexible and semi-rigid coaxial cables. A complete selection of receptacles shown on the following pages include microstrip transitions and hermetically sealed connectors. This series is also complemented by a series of components including terminations, directional couplers, quadrature hybrids, mixers and detectors. These units are available in a gold plated or passivated finish and are available to fit most standard coaxial cables. Whether your needs are for component or system use, the unit you require can be made available.

SMA INTERFACE PER MIL-C-39012



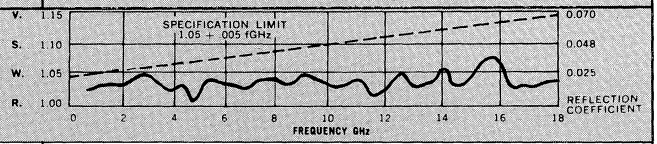
LTR.	INCHES (MILLIMETERS) 3/		
	MINIMUM	NOMINAL	MAXIMUM
A	.259 (6.58)	.263 (6.68)	.265 (6.73)
B	.1783 (4.53)	.1790 (4.55)	.1808 (4.59)
C	.100 (2.54)	.117 (2.97)	.133 (3.38)
D	—.005 (0.13)	.000 (0.00)	.002 (0.05)
E	.075 (1.90)	.085 (2.16)	.100 (2.54)
F	.000 (0.00)	.003 (0.07)	.010 (0.25)
G	.0355 (0.90)	.0360 (0.91)	.0368 (0.93)
H	.000 (0.00)	.010 (0.25)	.015 (0.38)
J	.0495 (1.26)	.0500 (1.27)	.0508 (1.29)
K	85°	90°	95°

LTR.	INCHES (MILLIMETERS) 3/		
	MINIMUM	NOMINAL	MAXIMUM
A	.207 (5.26)	.210 (5.33)	.214 (5.44)
B	.1812 (4.60)	.1820 (4.62)	.1837 (4.67)
C	.075 (1.91)	.076 (1.93)	.077 (1.96)
D	—.005 (0.13)	.000 (0.00)	.002 (0.05)
E	.020 (0.51)	.030 (0.76)	.040 (1.02)
F	.115 (2.92)		
G	.000 (0.00)	.003 (0.07)	.010 (0.25)
H	.190 (4.93)	.200 (5.10)	.210 (5.34)
J	.0495 (1.26)	0.500 (1.27)	.0508 (1.29)
K	.230 (5.84)		

NOTES: 1. ID to meet VSWR, Contact Resistance and Insertion Withdrawal Forces when mated with .0360 $\pm^{.0007}_{.0005}$ (0.914 $\pm^{.0178}_{.0127}$ mm) Diam. Pin.
2. When fully engaged, the two Reference Planes must coincide with metal to metal contact.
3. Metric Equivalents (to the nearest 0.01 mm) are given for general information only and are based on 1 inch = 25.4 millimeters.

MINIATURE CONNECTORS

SPECIFICATIONS SMA MIL-C-39012

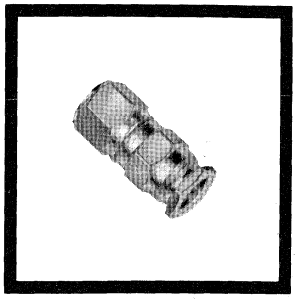
	REQUIREMENT	MIL-C-39012 Par.	SPECIFICATIONS
GENERAL	Material	3.3	Non-magnetic stainless steel per QQ- S-764 class 303 cond. A Beryllium copper per QQ-C-530 half hard. Polytetrafluorethylene per MIL-P-19468. Silicone Rubber per MIL-R-5847 and ZZ-R-765 class IIB, Grade 65-75
	Finish	3.3.1	Center contacts: .0001 in Gold per MIL-G-45204 Type 1, Grade C, Class 2 Other metal parts: Sufficient to meet corrosion requirements of par 3.13 of MIL-C-39012
	Design	3.4	Mating dimensions are in accordance with page 4 of this catalog
ELECTRICAL	Insulation Resistance	3.10	5K megohms minimum per MIL-STD 202, Method 302 Test Condition B
	Dielectric Withstanding Voltage	3.15	1000 volts R.M.S. @ 60 cps @ S.L.
	Contact Resistance (Millivolt Drop)	3.11	Center contact 2.0 millivolts maximum Outer contact 1.0 millivolts maximum
	Voltage Standing Wave Ratio (V.S.W.R.)	3.14	1.05 + .005 frequency (GHz) From DC to 18GHz *See curve (typical)
	R.F. Leakage	3.26	90 db minimum from 6-8GHz
	Insertion Loss	3.27	0.10 db maximum at 6 GHz
	The curve shown is typical of 2001-7941 and 2002-7941 with .141 DIA. semi-rigid cable, and may vary as different cable and connector configurations are substituted.		
MECHANICAL	Force to Engage/ Disengage	3.5.1	Torque: 2 in-lbs maximum Longitudinal force: Not applicable
	Coupling Nut Retention Force	3.5.3	Axial +5 pounds 100 −0 minimum Torque: 15 in-lbs. minimum
	Cable Retention	3.25	Equal to breaking strength of cable. Twisting and bending: 6 cycles minimum per Par 4.6.22 of MIL-C-39012
	Mating Characteristics	3.6	Test pin: 0.0355 diameter minimum x .080 long Force: 1.0 oz. minimum
	Contact Durability	3.18	500 insertion and withdrawal cycles change in insertion and withdrawal force: Less than 10%

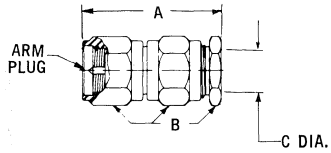
		MIL-C-39012 Par.	MIL-STD-202 Par.	SPECIFICATIONS
ENVIRONMENTAL	Vibration	3.20	Method 204 Test Condition B	
	Shock	3.21	Method 202	Acceleration to be 200G
	Temp Cycling	3.22	Method 102 Test Condition C	
	Thermal Shock	3.23	Method 107 Test Condition B	
	Corrosion (Salt Spray)	3.13	Method 101 Test Condition B	5% Salt Solution
	Moisture Resistance	3.24	Method 106 (Omit Step 7b Vibration)	High humidity measurements apply when specified
	Barometric Pressure (Reduced)	3.19	Method 105 Test Condition C	No corona at 250 VRMS at 60 c.p.s. at 70,000 ft.

FLEXIBLE CABLE CONNECTORS
Cable Clamp Version

	CABLE TYPE		
	55 58 141 142 223 303	174 179** 187** 188 316	180 195 *

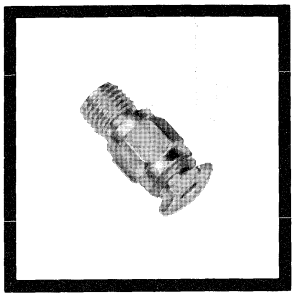
STRAIGHT CABLE PLUG

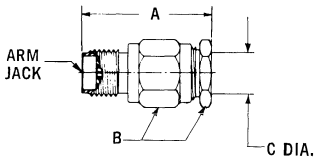




DIM	2001-7141		2001-7188		2001-7195	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.750 MAX	19.0	.750 MAX	19.0	.750 MAX	19.0
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1

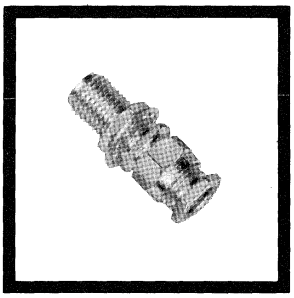
STRAIGHT CABLE JACK

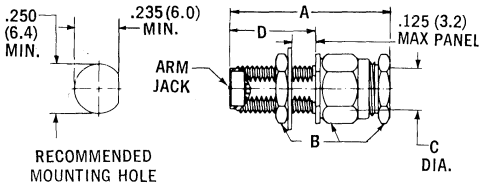




DIM	2002-7141		2002-7188		2002-7195	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.700 MAX	17.8	.700 MAX	17.8	.700 MAX	17.8
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1

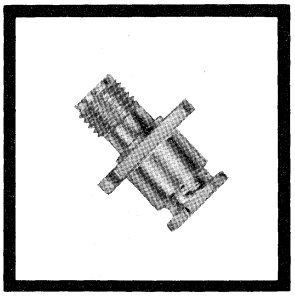
STRAIGHT BULKHEAD CABLE JACK

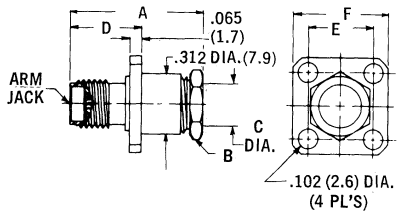




DIM	2004-7141		2004-7188		2004-7195	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.850 MAX	21.6	.850 MAX	21.6	.850 MAX	21.6
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1
D	.450	11.4	.450	11.4	.450	11.4

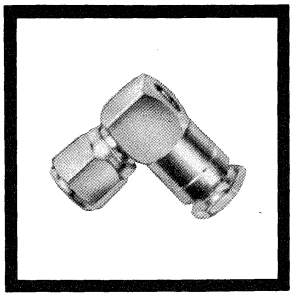
STRAIGHT PANEL CABLE JACK

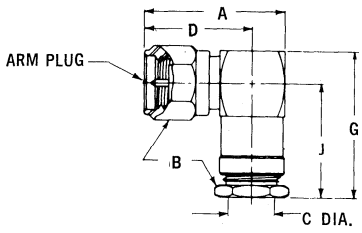




DIM	2006-7141		2006-7188		2006-7195	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.700 MAX	17.8	.700 MAX	17.8	.700 MAX	17.8
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1
D	.375	9.5	.375	9.5	.375	9.5
E	.340 TYP	8.6	.340 TYP	8.6	.340 TYP	8.6
F	.500 SQ	12.7	.500 SQ	12.7	.500 SQ	12.7

RIGHT ANGLE CABLE PLUG





DIM	2007-7141		2007-7188		2007-7195	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.675 MAX	17.1	.675 MAX	17.1	.675 MAX	17.1
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1
D	.515	13.1	.515	13.1	.515	13.1
G	.710 MAX	18.0	.710 MAX	18.0	.710 MAX	18.0
J	.562 MAX	14.3	.562 MAX	14.3	.562 MAX	14.3

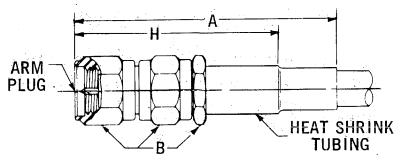
*May also be used on Suprenant 9872, and Amphenol 21-597 75 ohm cables.
**Subminiature 75 ohm cables.

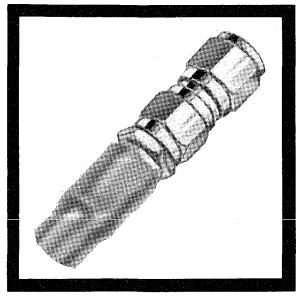
FLEXIBLE CABLE CONNECTORS
Cable Crimp Version

CABLE TYPE			
55 58 141 142 223 303	174 179** 187** 188 316	180 195 *	RG/U

STRAIGHT CABLE PLUG

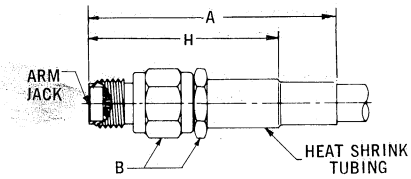
2031-7141		2031-7188		2031-7195		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.375 MAX	34.9	1.375 MAX	34.9	1.375 MAX	34.9	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
1.156 MAX	29.4	1.156 MAX	29.4	1.156 MAX	29.4	H

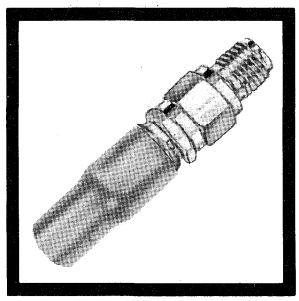




STRAIGHT CABLE JACK

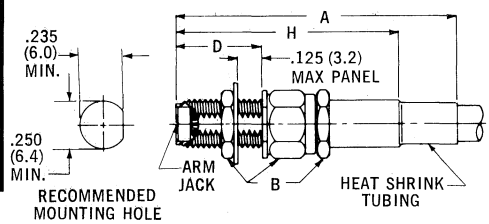
2032-7141		2032-7188		2032-7195		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.343 MAX	34.1	1.343 MAX	34.1	1.343 MAX	34.1	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
1.125 MAX	28.6	1.125 MAX	28.6	1.125 MAX	28.6	H

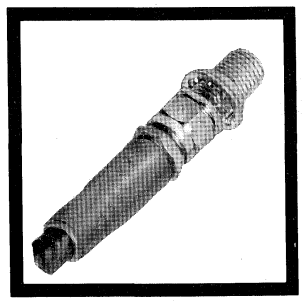




STRAIGHT BULKHEAD CABLE JACK

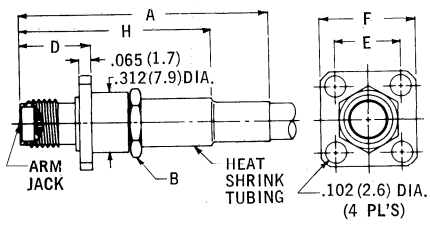
2034-7141		2034-7188		2034-7195		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.500 MAX	38.1	1.500 MAX	38.1	1.500 MAX	38.1	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.450	11.4	.450	11.4	.450	11.4	D
1.265 MAX	32.1	1.265 MAX	32.1	1.265 MAX	32.1	H

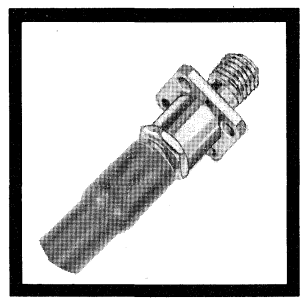




STRAIGHT PANEL CABLE JACK

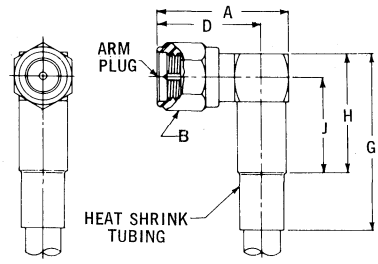
2036-7141		2036-7188		2036-7195		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.343 MAX	34.1	1.343 MAX	34.1	1.343 MAX	34.1	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.375	9.5	.375	9.5	.375	9.5	D
.340 TYP	8.6	.340 TYP	8.6	.340 TYP	8.6	E
.500 SQ	12.7	.500 SQ	12.7	.500 SQ	12.7	F
1.125 MAX	28.6	1.125 MAX	28.6	1.125 MAX	28.6	H

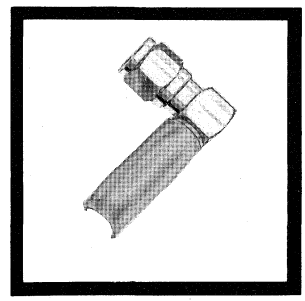




RIGHT ANGLE CABLE PLUG

2037-7141		2037-7188		2037-7195		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.675 MAX	17.1	.675 MAX	17.1	.675 MAX	17.1	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.535 MAX	13.6	.535 MAX	13.6	.535 MAX	13.6	D
.937 MAX	23.8	.937 MAX	23.8	.937 MAX	23.8	G
.625 MAX	15.9	.625 MAX	15.9	.625 MAX	15.9	H
.520 MAX	13.2	.520 MAX	13.2	.520 MAX	13.2	J

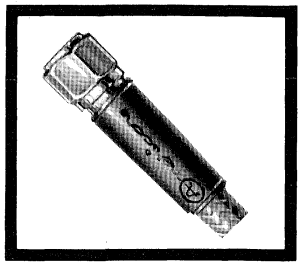


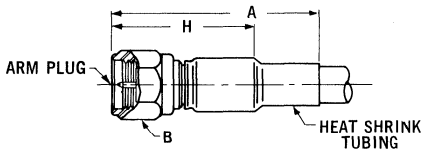


*May also be used on Suprenant 9872, and Amphenol 21-597 75 ohm cables.
**Subminiature 75 ohm cables.

FLEXIBLE CABLE CONNECTORS
Cable Crimp Version

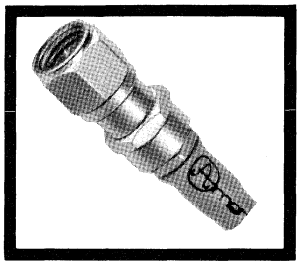
STRAIGHT CABLE PLUG

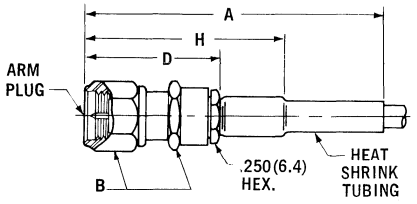




RG/U	55 58 141 142 223 303		174 179** 187** 188 316		180 195 *	
	2031-5005		2031-5006		2031-5015	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	1.187 MAX	30.2	1.187 MAX	30.2	1.187 MAX	30.2
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
H	.700	17.8	.700	17.8	.700	17.8

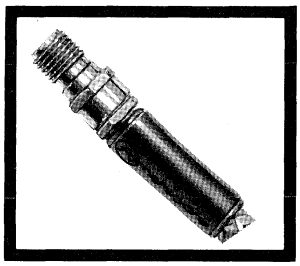
STRAIGHT CABLE PLUG

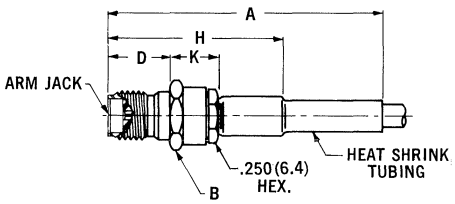




	2031-5011		2031-5012		2031-5013	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	1.500 MAX	38.1	1.500 MAX	38.1	1.500 MAX	38.1
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
D	.705	17.9	.705	17.9	.705	17.9
H	1.020	25.9	1.020	25.9	1.020	25.9

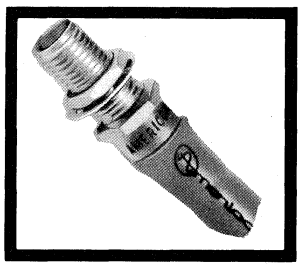
STRAIGHT CABLE JACK

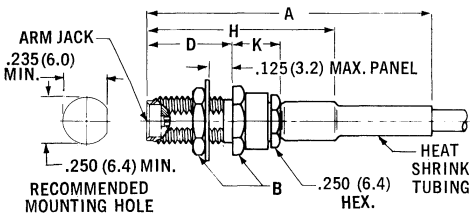




	2032-5007		2032-5003		2032-5010	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	1.437 MAX	36.5	1.437 MAX	36.5	1.437 MAX	36.5
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
D	.320	8.1	.320	8.1	.320	8.1
H	.900	22.9	.900	22.9	.900	22.9
K	.254	6.5	.254	6.5	.254	6.5

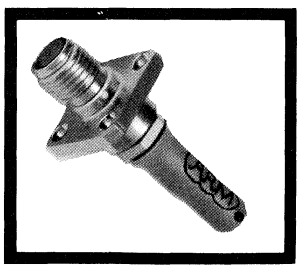
STRAIGHT BULKHEAD CABLE JACK

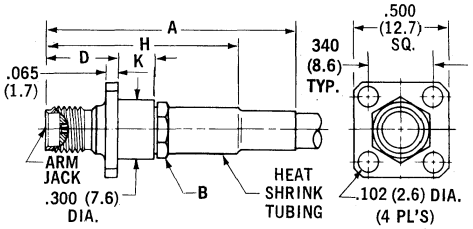




	2034-5004		2034-5005		2034-5006	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	1.500 MAX	38.1	1.500 MAX	38.1	1.500 MAX	38.1
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
D	.450	11.4	.450	11.4	.450	11.4
H	1.010	25.7	1.010	25.7	1.010	25.7
K	.251	6.4	.251	6.4	.251	6.4

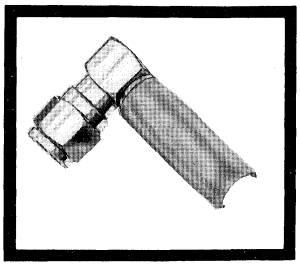
STRAIGHT PANEL CABLE JACK

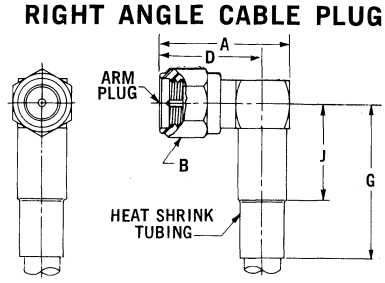




	2036-5003		2036-5004		2036-5005	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	1.437 MAX	36.5	1.437 MAX	36.5	1.437 MAX	36.5
B	.250 HEX	6.4	.250 HEX	6.4	.250 HEX	6.4
D	.375	9.5	.375	9.5	.375	9.5
H	.900	22.9	.900	22.9	.900	22.9
K	.138	3.5	.138	3.5	.138	3.5

RIGHT ANGLE CABLE PLUG





	2037-5007		2037-5008		2037-5009	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.675	17.1	.675	17.1	.675	17.1
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
D	.535	13.6	.535	13.6	.535	13.6
G	1.062 MAX	27.0	1.062 MAX	27.0	1.062 MAX	27.0
J	.475	12.1	.475	12.1	.475	12.1

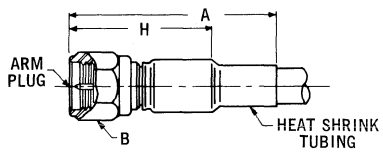
*May also be used on Suprenant 9872, and Amphenol 21-597 75 ohm cables.
**Subminiature 75 ohm cables.

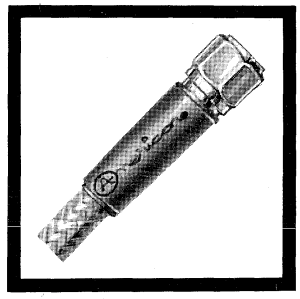
FLEXIBLE CABLE CONNECTORS
Solder Attachment Version

CABLE TYPE			RG/U
55 58 141 142 223 303	174 179** 187** 188 316	180 195 *	

STRAIGHT CABLE PLUG

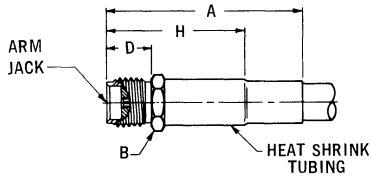
2031-5002		2031-5003		2031-5014		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.187 MAX	30.2	1.187 MAX	30.2	1.187 MAX	30.2	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.775	19.7	.690	17.5	.690	17.5	H

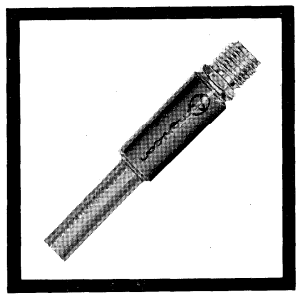




STRAIGHT CABLE JACK

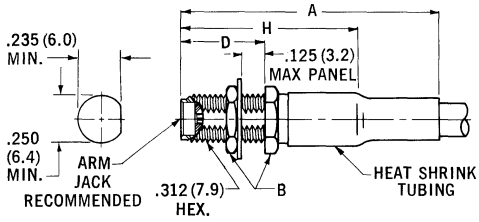
2032-5002		2032-5004		2032-5011		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.125 MAX	28.6	1.125 MAX	28.6	1.125 MAX	28.6	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.235	6.0	.235	6.0	.235	6.0	D
.730	18.5	.605	15.4	.605	15.4	H





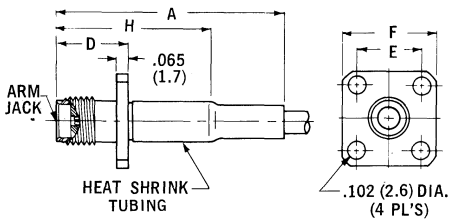
STRAIGHT BULKHEAD CABLE JACK

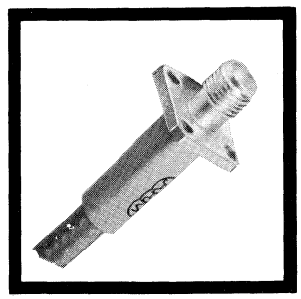
2034-5007		2034-5008		2034-5009		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.375 MAX	34.9	1.375 MAX	34.9	1.375 MAX	34.9	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.450	11.4	.450	11.4	.450	11.4	D
.945	24.0	.825	21.0	.825	21.0	H



STRAIGHT PANEL CABLE JACK

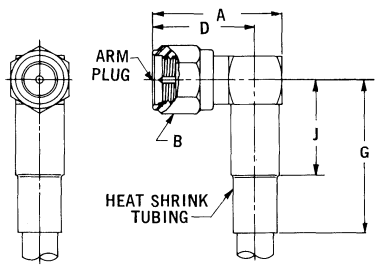
2036-5011		2036-5012		2036-5013		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.200 MAX	30.6	1.200 MAX	30.6	1.200 MAX	30.6	A
.375	9.5	.375	9.5	.375	9.5	D
.340 TYP	8.6	.340 TYP	8.6	.340 TYP	8.6	E
.500 SQ	12.7	.500 SQ	12.7	.500 SQ	12.7	F
.810	20.6	.685	17.4	.685	17.4	H

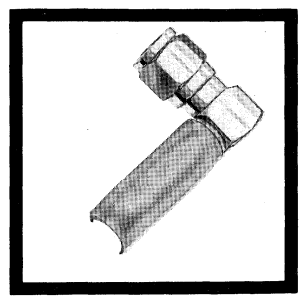




RIGHT ANGLE CABLE PLUG

2037-5005		2037-5006		2037-5016		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.675	17.1	.675	17.1	.675	17.1	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.535	13.6	.535	13.6	.535	13.6	D
1.000 MAX	25.4	1.000 MAX	25.4	1.000 MAX	25.4	G
.630	16.0	.440	11.2	.440	11.2	J

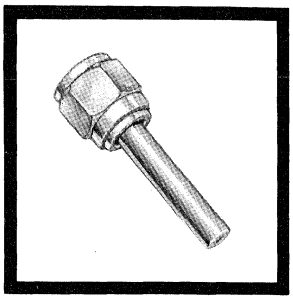


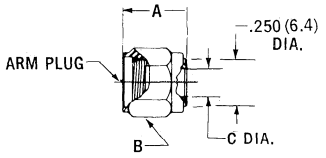


*May also be used on Suprenant 9872, and Amphenol 21-597 75 ohm cables.
**Subminiature 75 ohm cables.

SEMI-RIGID CABLE CONNECTORS
Direct Solder Version

STRAIGHT CABLE PLUG

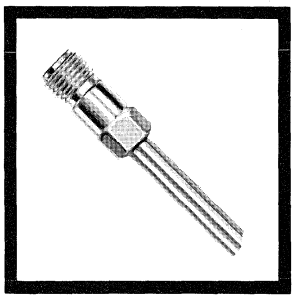


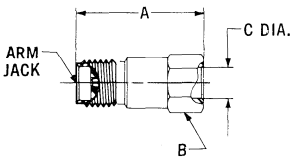


	CABLE TYPE					
DIA	.141		.141		.085	
	2001-7941 Without Contact		2001-5006* High Voltage		2001-5009	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.330 MAX	8.4	.330 MAX	8.4	.440 MAX	11.2
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.142 MIN	3.6	.142 MIN	3.6	.088 MIN	2.2

*Same as 2001-7941 with special assembly instructions.

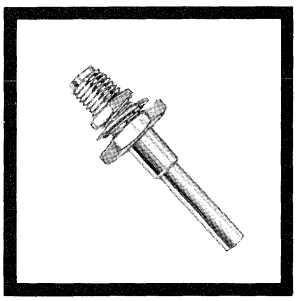
STRAIGHT CABLE JACK

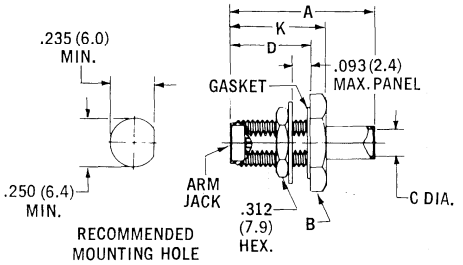




	2002-7941		2002-5002 High Voltage		2002-7985	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.625 MAX	15.9	.750 MAX	19.0	.625 MAX	15.9
B	.250 HEX	6.4	.250 HEX	6.4	.250 HEX	6.4
C	.142 MIN	3.6	.142 MIN	3.6	.088 MIN	2.2

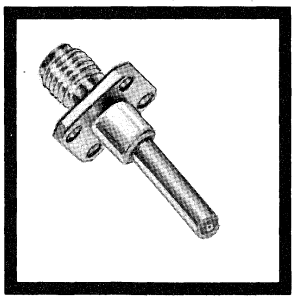
STRAIGHT BULKHEAD CABLE JACK

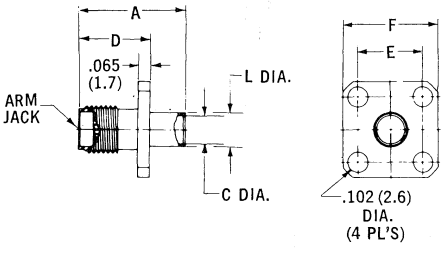




	.141		.085		.070	
	2004-7941		2004-7985		2004-7970	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.750 MAX	19.0	.750 MAX	19.0	.750 MAX	19.0
B	.437 HEX	11.1	.437 HEX	11.1	.437 HEX	11.1
C	.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8
D	.415	10.5	.415	10.5	.415	10.5
K	.500	12.7	.500	12.7	.500	12.7

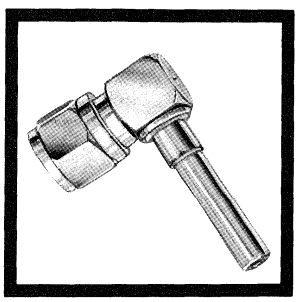
STRAIGHT PANEL CABLE JACK

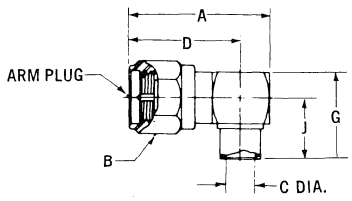




	2006-7941		2006-7985		2006-7970	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.562 MAX	14.3	.562 MAX	14.3	.562 MAX	14.3
C	.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8
D	.375	9.5	.375	9.5	.375	9.5
E	.340 TYP	8.6	.340 TYP	8.6	.340 TYP	8.6
F	.500 SQ	12.7	.500 SQ	12.7	.500 SQ	12.7
L	.184	4.7	.120	3.0	.120	3.0

RIGHT ANGLE CABLE PLUG





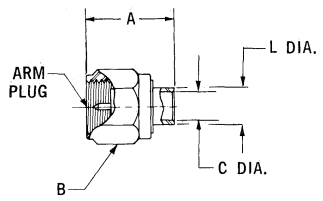
	2007-7941		2007-7985		2007-7970	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.675 MAX	17.1	.675 MAX	17.1	.675 MAX	17.1
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8
D	.535	13.6	.535	13.6	.535	13.6
G	.437 MAX	11.1	.437 MAX	11.1	.437 MAX	11.1
J	.312 MAX	7.9	.312 MAX	7.9	.312 MAX	7.9

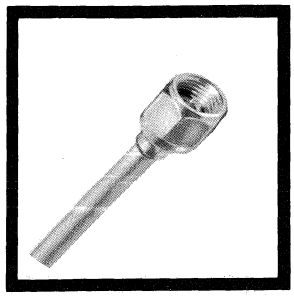
SEMI-RIGID CABLE CONNECTORS
Direct Solder Version

CABLE DIA	
.141	.085

STRAIGHT CABLE PLUG WITH CONTACT

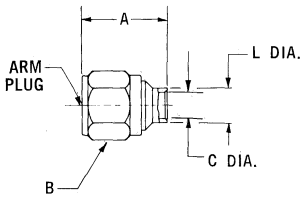
2001-5003		2001-7985		
INCHES	mm	INCHES	mm	DIM
.440	11.2	.440	11.2	A
.312 HEX	7.9	.312 HEX	7.9	B
.142 MIN	3.6	.088 MIN	2.2	C
.180	4.6	.120	3.0	L

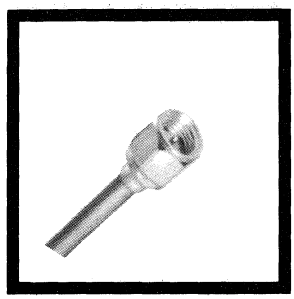




STRAIGHT CABLE PLUG

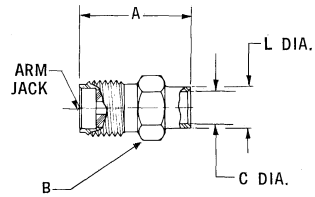
2001-5031 WITHOUT CONTACT		2001-5032 WITH CONTACT		
INCHES	mm	INCHES	mm	DIM
.447	11.3	.437	11.0	A
.312 HEX	7.9	.312 HEX	7.9	B
.142 MIN	3.6	.088 MIN	2.2	C
.180	4.6	.120	3.0	L

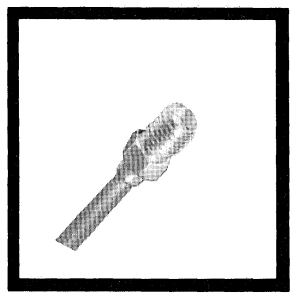




STRAIGHT CABLE JACK

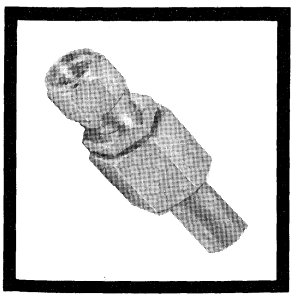
2002-5015		2002-5016		
INCHES	mm	INCHES	mm	DIM
.500	12.7	.500	12.7	A
.250 HEX	6.4	.250 HEX	6.4	B
.142 MIN	3.6	.088 MIN	2.2	C
.180	4.6	.120	3.0	L

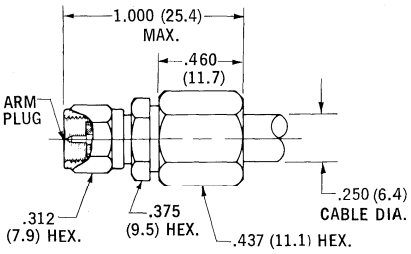




CABLE CLAMP TYPE FOR .250 D SEMI RIGID CABLE

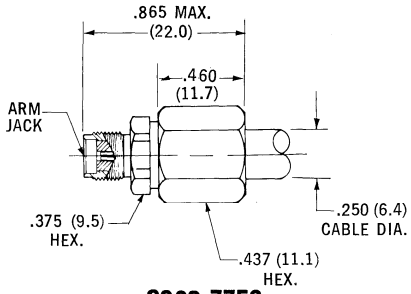
STRAIGHT CABLE PLUG



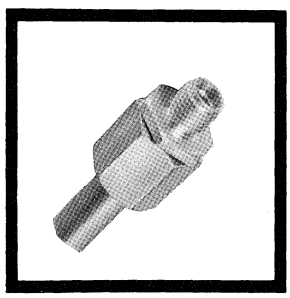


2001-7750

STRAIGHT CABLE JACK



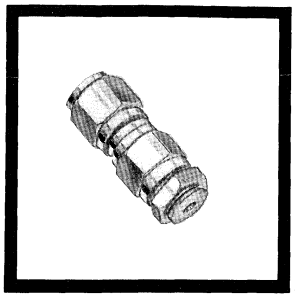
2002-7750

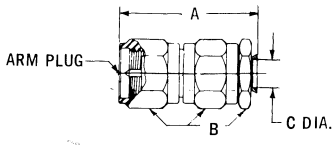


SEMI-RIGID CABLE CONNECTORS
Solder Clamp Version

DIA	CABLE TYPE .141	.085	.070

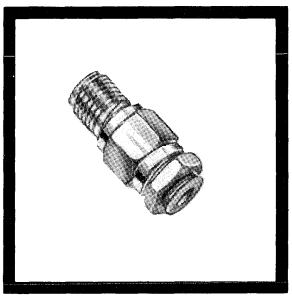
STRAIGHT CABLE PLUG

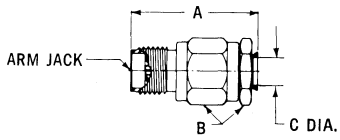




DIM	2001-7841 INCHES	mm	2001-7885 INCHES	mm	2001-7870 INCHES	mm
A	.750 MAX	19.0	.750 MAX	19.0	.750 MAX	19.0
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8

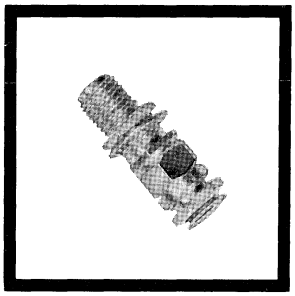
STRAIGHT CABLE JACK

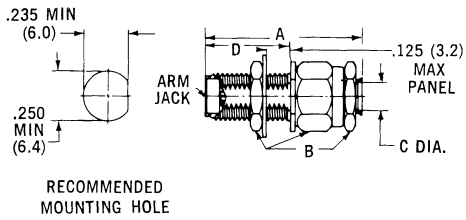




DIM	2002-7841 INCHES	mm	2002-7885 INCHES	mm	2002-7870 INCHES	mm
A	.687 MAX	17.5	.687 MAX	17.5	.687 MAX	17.5
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8

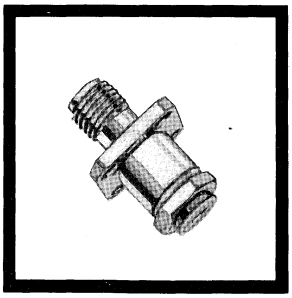
STRAIGHT BULKHEAD CABLE JACK

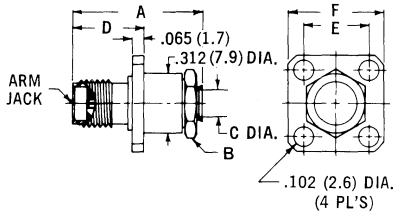




DIM	2004-7841 INCHES	mm	2004-7885 INCHES	mm	2004-7870 INCHES	mm
A	.843 MAX	21.4	.843 MAX	21.4	.843 MAX	21.4
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8
D	.450	11.4	.450	11.4	.450	11.4

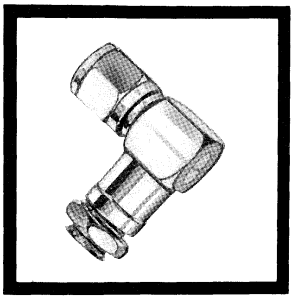
STRAIGHT PANEL CABLE JACK

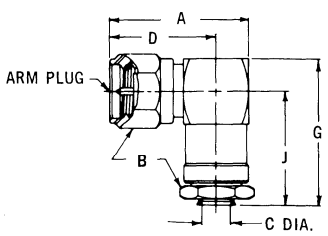




DIM	2006-7841 INCHES	mm	2006-7885 INCHES	mm	2006-7870 INCHES	mm
A	.687 MAX	17.5	.687 MAX	17.5	.687 MAX	17.5
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8
D	.375	9.5	.375	9.5	.375	9.5
E	.340 TYP	8.6	.340 TYP	8.6	.340 TYP	8.6
F	.500 SQ	12.7	.500 SQ	12.7	.500 SQ	12.7

RIGHT ANGLE CABLE PLUG



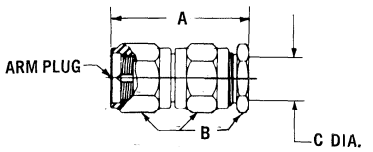


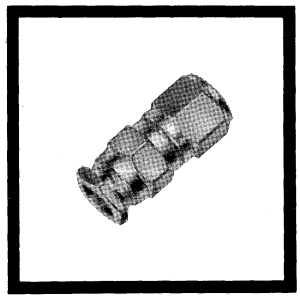
DIM	2007-7841 INCHES	mm	2007-7885 INCHES	mm	2007-7870 INCHES	mm
A	.675 MAX	17.1	.675 MAX	17.1	.675 MAX	17.1
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8
D	.515	13.1	.515	13.1	.515	13.1
G	.687 MAX	17.5	.687 MAX	17.5	.687 MAX	17.5
J	.531 MAX	13.5	.531 MAX	13.5	.531 MAX	13.5

SEMI-RIGID CABLE CONNECTORS
Solderless Cable Clamp Version

STRAIGHT CABLE PLUG

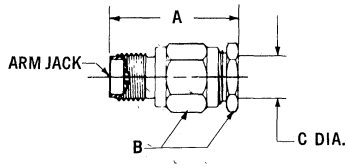
CABLE TYPE						
.141		.085		.070		DIA
2001-7741		**2001-7785**		**2001-7770**		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.750 MAX	19.0	.750 MAX	19.0	.750 MAX	19.0	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.143 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8	C

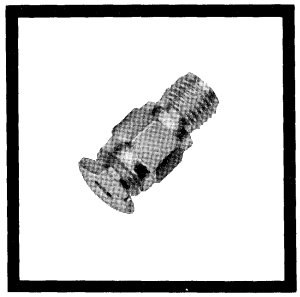




STRAIGHT CABLE JACK

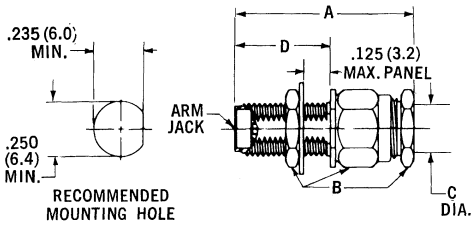
2002-7741		**2002-7785**		**2002-7770**		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.700 MAX	17.8	.700 MAX	17.8	.700 MAX	17.8	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.143 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8	C

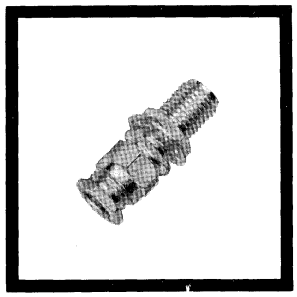




STRAIGHT BULKHEAD CABLE JACK

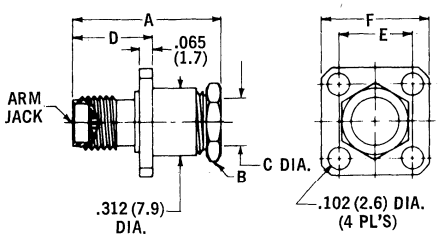
2004-7741		**2004-7785**		**2004-7770**		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.850 MAX	21.6	.850 MAX	21.6	.850 MAX	21.6	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.143 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8	C
.450	11.4	.450	11.4	.450	11.4	D

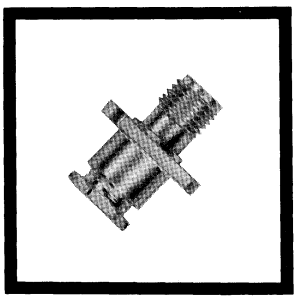




STRAIGHT PANEL CABLE JACK

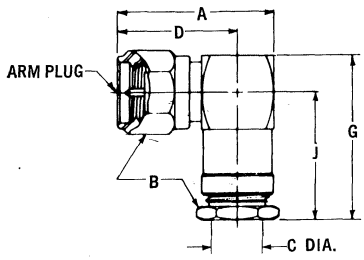
2006-7741		**2006-7785**		**2006-7770**		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.700 MAX	17.8	.700 MAX	17.8	.700 MAX	17.8	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.143 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8	C
.375	9.5	.375	9.5	.375	9.5	D
.340 TYP	8.6	.340 TYP	8.6	.340 TYP	8.6	E
.500 SQ	12.7	.500 SQ	12.7	.500 SQ	12.7	F

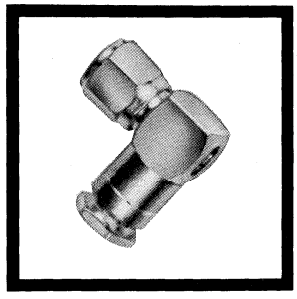




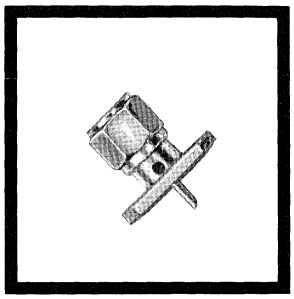
RIGHT ANGLE CABLE PLUG

2007-7741		**2007-7785**		**2007-7770**		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.675 MAX	17.1	.675 MAX	17.1	.675 MAX	17.1	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.143 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8	C
.515	13.1	.515	13.1	.515	13.1	D
.710 MAX	18.0	.710 MAX	18.0	.710 MAX	18.0	G
.562 MAX	14.3	.562 MAX	14.3	.562 MAX	14.3	J

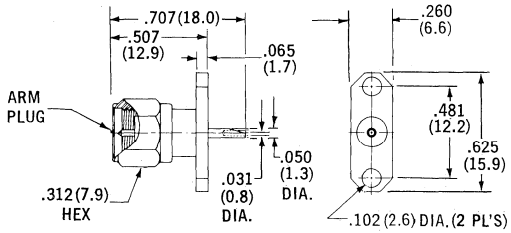




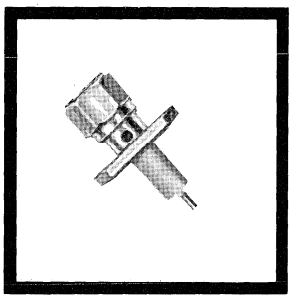
PANEL RECEPTACLES



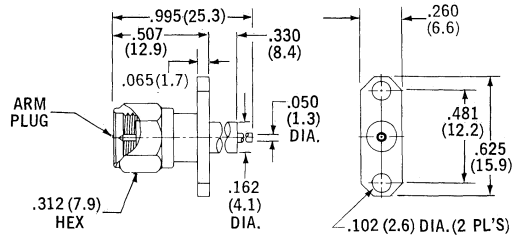
STRAIGHT TWO HOLE PANEL PLUG RECEPTACLE



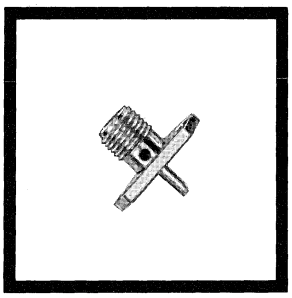
2051-1350**
CAPTIVATED CENTER CONDUCTOR-SOLDER POT



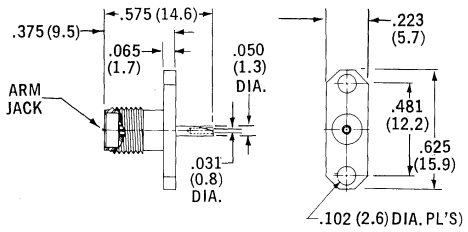
STRAIGHT TWO HOLE PANEL PLUG TERMINAL RECEPTACLE



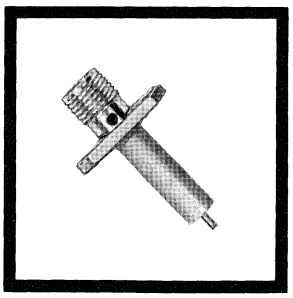
2051-1351
NON-CAPTIVATED CENTER CONDUCTOR
2051-1352
CAPTIVATED CENTER CONDUCTOR



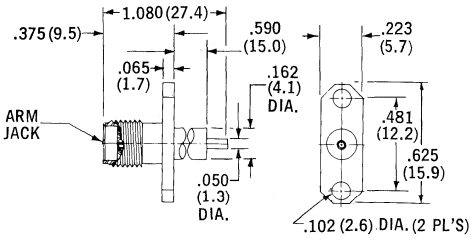
STRAIGHT TWO HOLE PANEL JACK RECEPTACLE



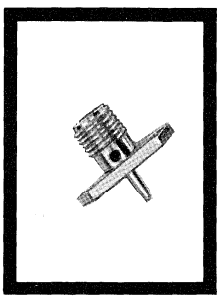
2052-1350**
CAPTIVATED CENTER CONDUCTOR SOLDER POT



STRAIGHT TWO HOLE PANEL JACK TERMINAL RECEPTACLE



2052-1351
NON-CAPTIVATED CENTER CONDUCTOR
2052-1352
CAPTIVATED CENTER CONDUCTOR



STRAIGHT TWO HOLE PANEL JACK RECEPTACLE

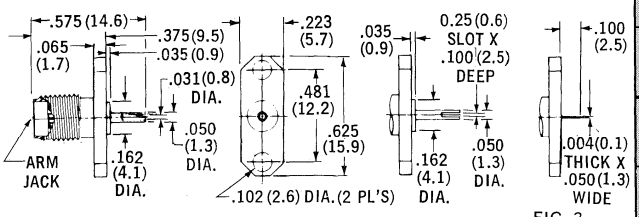


FIG 1 FIG 2 FIG 3 AND FIG 4

2052-1300	CAPTIVATED CENTER CONDUCTOR-SOLDER POT	FIG 1
2052-1301	NON CAPTIVATED CENTER CONDUCTOR-SLOTTED	FIG 2
2052-1302	NON CAPTIVATED CENTER CONDUCTOR-TAB	FIG 3
2052-1303	CAPTIVATED CENTER CONDUCTOR-TAB	FIG 4

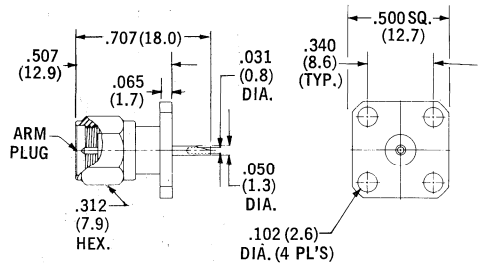
**These parts are available in tab, slotted stub, stub and solder pot versions.

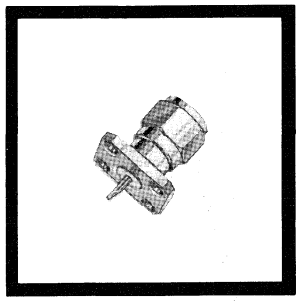
PANEL RECEPTACLES

2051-0000**

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

STRAIGHT PANEL PLUG RECEPTACLE





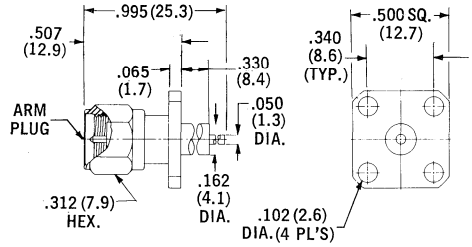
2051-1200

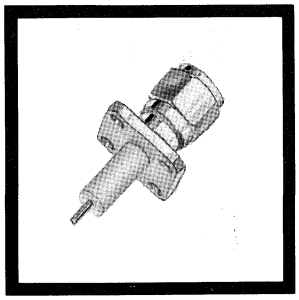
NON-CAPTIVATED
CENTER CONDUCTOR

2051-1201

CAPTIVATED
CENTER CONDUCTOR

STRAIGHT PANEL PLUG TERMINAL RECEPTACLE

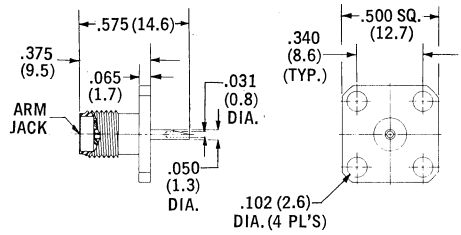


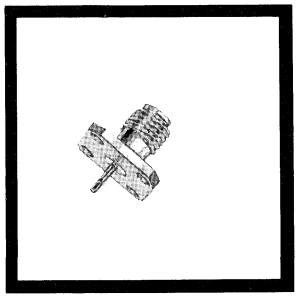


2052-0000**

CAPTIVATED CENTER
CONDUCTOR SOLDER POT

STRAIGHT PANEL JACK RECEPTACLE





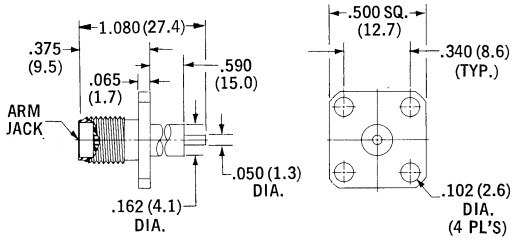
2052-1200

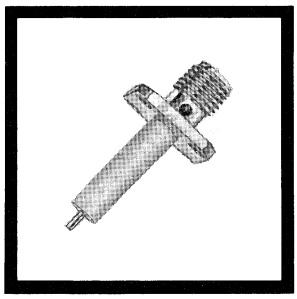
NON-CAPTIVATED
CENTER CONDUCTOR

2052-1201

CAPTIVATED
CENTER CONDUCTOR

STRAIGHT PANEL JACK TERMINAL RECEPTACLE





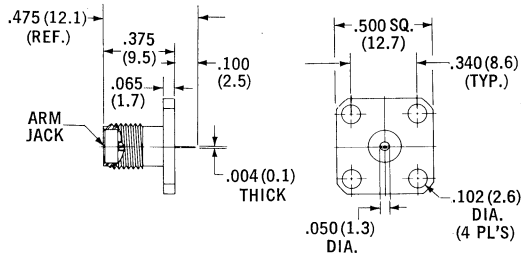
2052-5166**

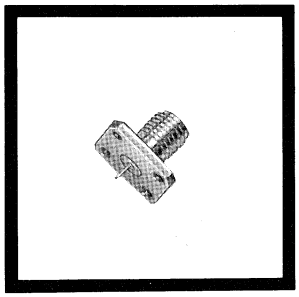
NON-CAPTIVATED
CENTER CONDUCTOR

2052-5062**

CAPTIVATED
CENTER CONDUCTOR

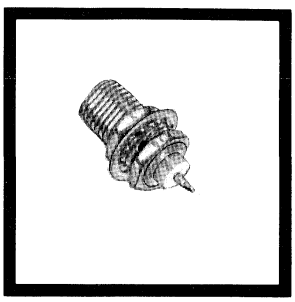
STRAIGHT PANEL JACK RECEPTACLE



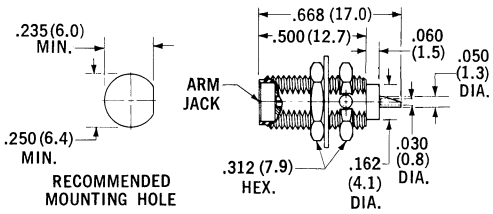


** These parts are available in tab, slotted stub, stub and solder pot versions.

BULKHEAD RECEPTACLES

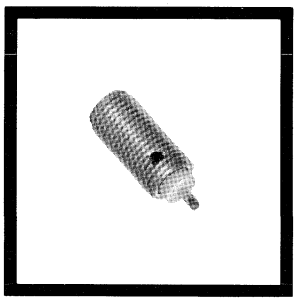


STRAIGHT BULKHEAD JACK RECEPTACLE

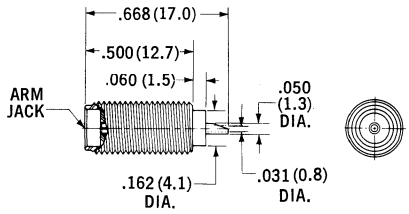


2056-5006

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

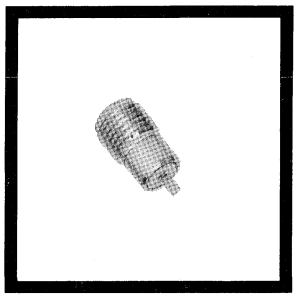


STRAIGHT BULKHEAD JACK RECEPTACLE

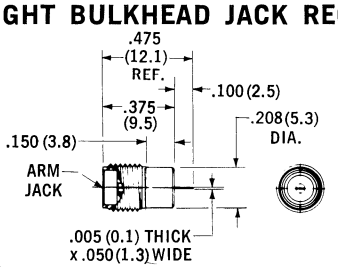


2056-5020

NON-CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

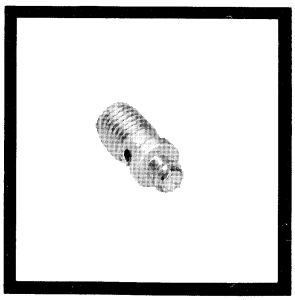


STRAIGHT BULKHEAD JACK RECEPTACLE

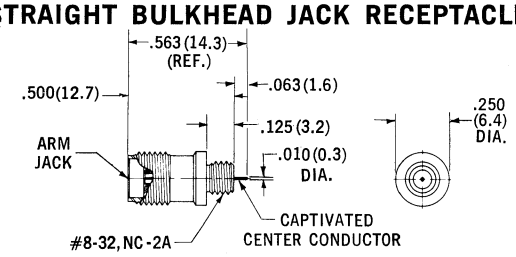


2058-5025

NON-CAPTIVATED
CENTER CONDUCTOR
TAB TYPE

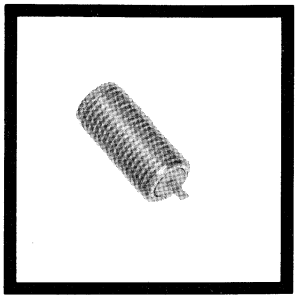


STRAIGHT BULKHEAD JACK RECEPTACLE

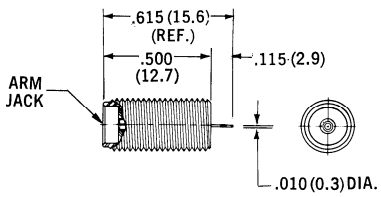


2058-1141

MICROSTRIP TRANSITION



STRAIGHT BULKHEAD JACK RECEPTACLE



2058-1140

CAPTIVATED CENTER CONDUCTOR
MICROSTRIP TRANSITION

2058-1142

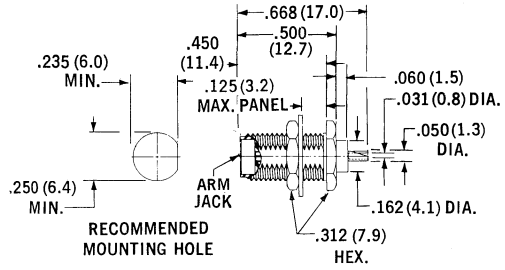
NON-CAPTIVATED CENTER CONDUCTOR
MICROSTRIP TRANSITION

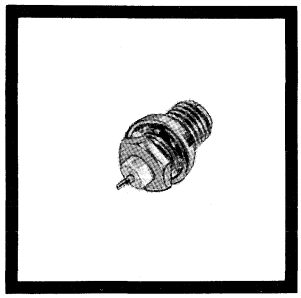
RECEPTACLES

2056-0000

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT
(THREADS FRONT)

STRAIGHT BULKHEAD JACK RECEPTACLE

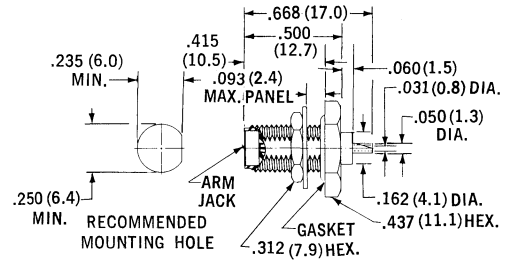


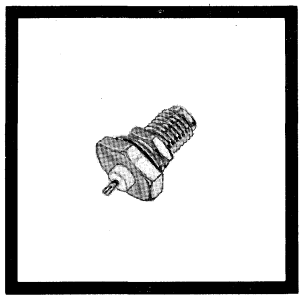


2056-1100

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT
(WITH GASKET)

STRAIGHT BULKHEAD JACK RECEPTACLE

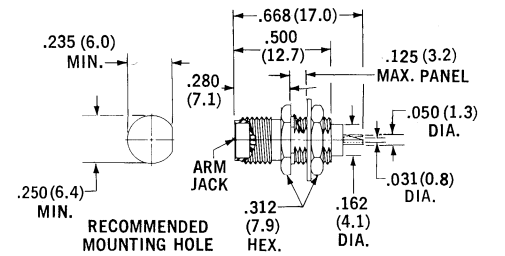


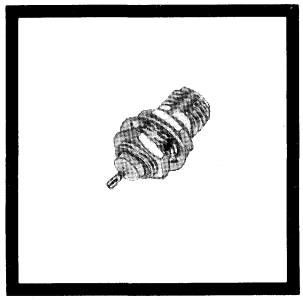


2058-0000

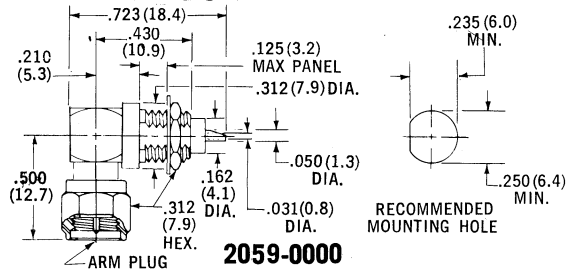
CAPTIVATED CENTER
CONDUCTOR-SOLDER POT
(THREADS REAR)

STRAIGHT BULKHEAD JACK RECEPTACLE



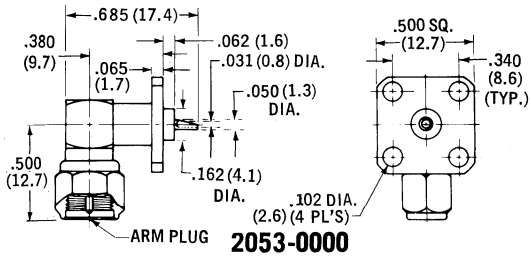


RIGHT ANGLE BULKHEAD PLUG RECEPTACLE

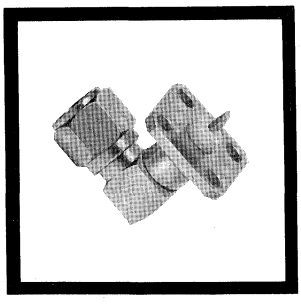


2059-0000

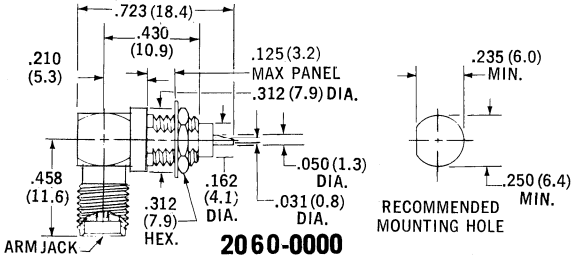
RIGHT ANGLE PLUG RECEPTACLE



2053-0000

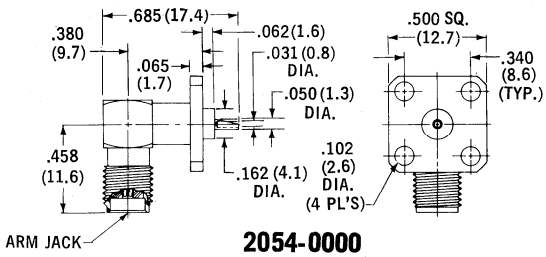


RIGHT ANGLE BULKHEAD JACK RECEPTACLE

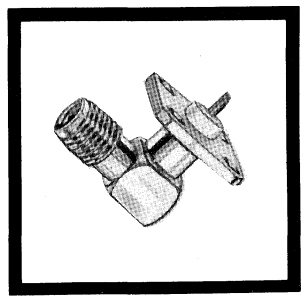


2060-0000

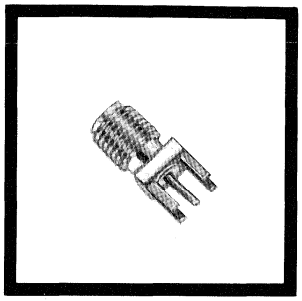
RIGHT ANGLE JACK RECEPTACLE

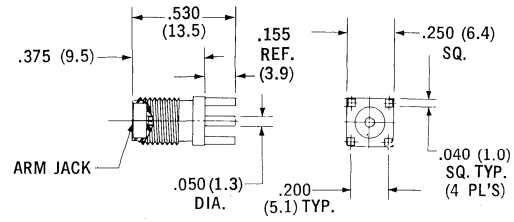


2054-0000



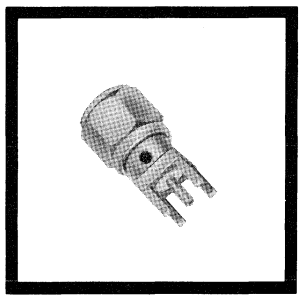
PRINTED WIRING BOARD RECEPTACLES

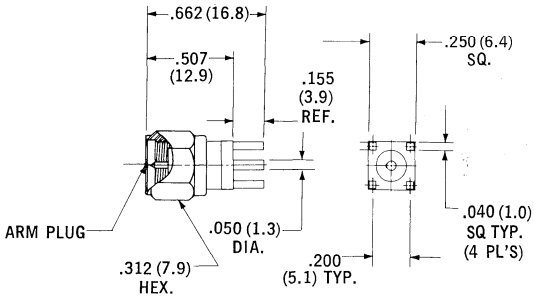




2062-0000

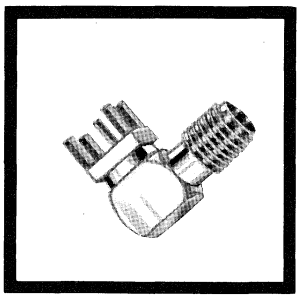
STRAIGHT
PRINTED WIRING BOARD
JACK

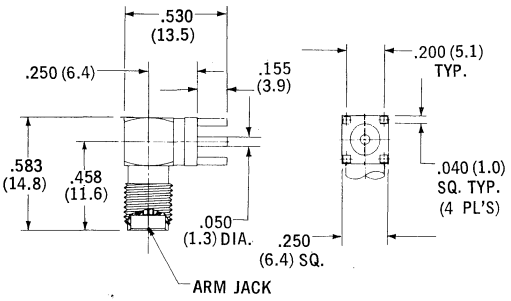




2063-0000

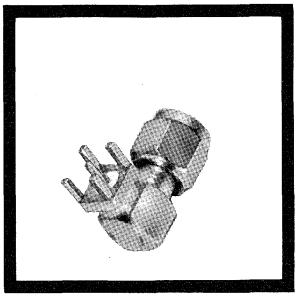
STRAIGHT
PRINTED WIRING BOARD
PLUG

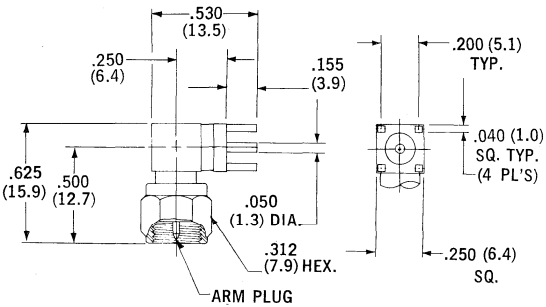




2064-0000

RIGHT ANGLE
PRINTED WIRING BOARD
JACK





2065-0000

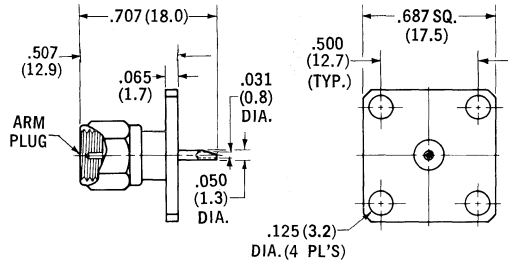
RIGHT ANGLE
PRINTED WIRING BOARD
PLUG

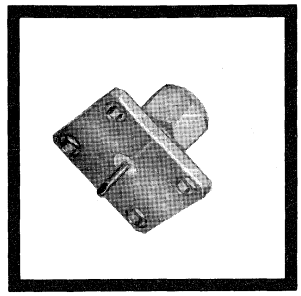
PANEL RECEPTACLES

2051-5027**

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

STRAIGHT PANEL PLUG RECEPTACLE

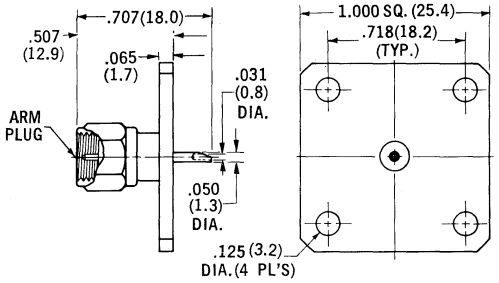


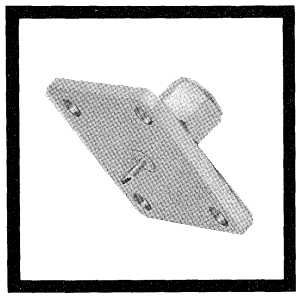


2051-5042**

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

STRAIGHT PANEL PLUG RECEPTACLE

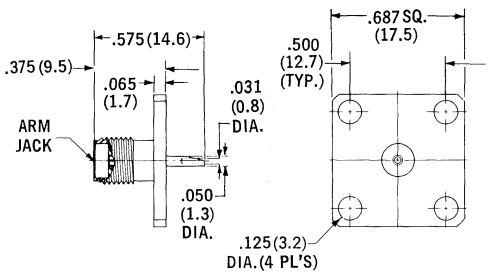


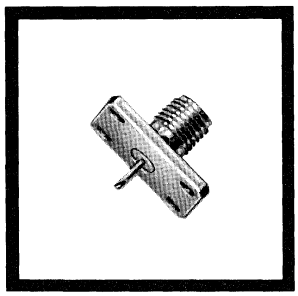


2052-5085**

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

STRAIGHT PANEL JACK RECEPTACLE

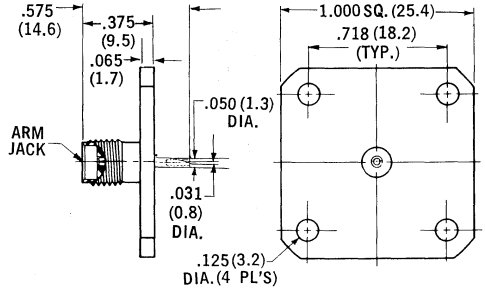


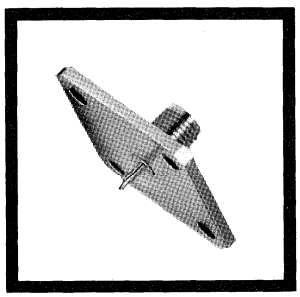


2052-5289**

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

STRAIGHT PANEL JACK RECEPTACLE

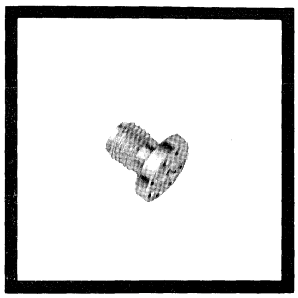




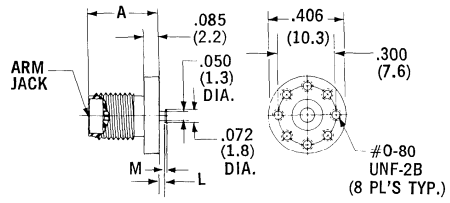
**These parts are also available in tab, slotted stub, and stub versions.

STRIPLINE CONNECTORS
Surface Launcher Type

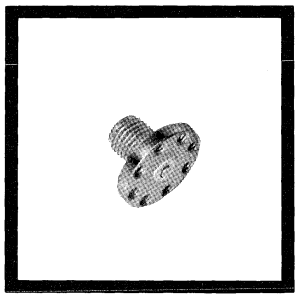
STRIPLINE SIZE	1/16	1/8	1/4



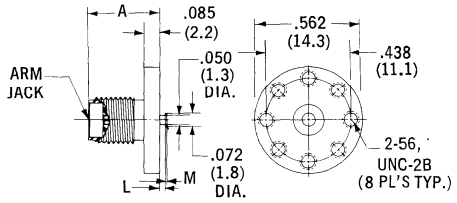
STRAIGHT SURFACE LAUNCHED JACK



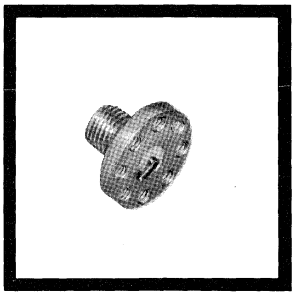
DIM	2066-1321		2066-1322		2066-1323	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.375	9.5	.375	9.5	.375	9.5
L	.031	0.8	.063	1.6	.125	3.2
M	.010	0.3	.010	0.3	.010	0.3



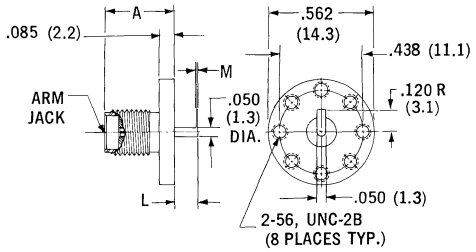
STRAIGHT SURFACE LAUNCHED JACK



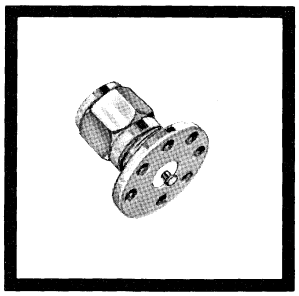
DIM	2066-1401		2066-1402		2066-1403	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.375	9.5	.375	9.5	.375	9.5
L	.031	0.8	.063	1.6	.125	3.2
M	.010	0.3	.010	0.3	.010	0.3



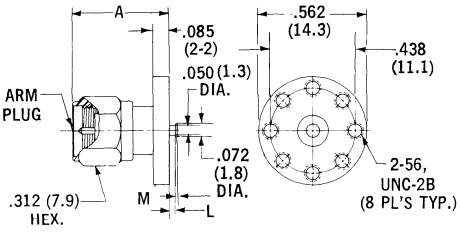
STRAIGHT SURFACE LAUNCHED JACK



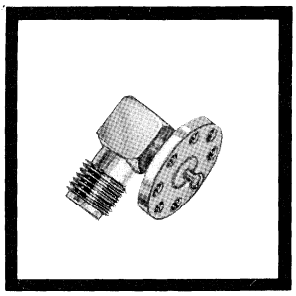
DIM	2066-1410		2066-1411		2066-1412	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.375	9.5	.375	9.5	.375	9.5
L	.031	0.8	.063	1.6	.125	3.2
M	.006	0.2	.006	0.2	.006	0.2



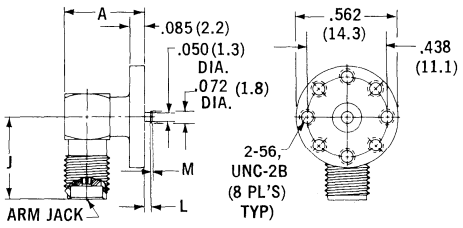
STRAIGHT SURFACE LAUNCHED PLUG



DIM	2067-1401		2067-1402		2067-1403	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.507	12.9	.507	12.9	.507	12.9
L	.031	0.8	.063	1.6	.125	3.2
M	.010	0.3	.010	0.3	.010	0.3



RIGHT ANGLE SURFACE LAUNCHED JACK



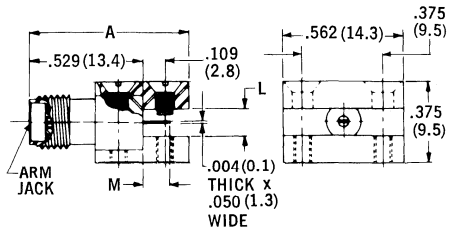
DIM	2068-1401		2068-1402		2068-1403	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.445	11.3	.445	11.3	.445	11.3
L	.031	0.8	.063	1.6	.125	3.2
M	.010	0.3	.010	0.3	.010	0.3
J	.458	11.6	.458	11.6	.458	11.6
	Available with right angle tab as part numbers.					
	2068-1410		2068-1411		2068-1412	

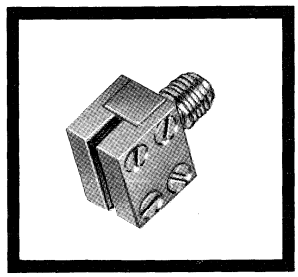
STRIPLINE CONNECTORS
End Launcher Type

STRIPLINE SIZE		
1/16	1/8	1/4

STRAIGHT END LAUNCHED JACK

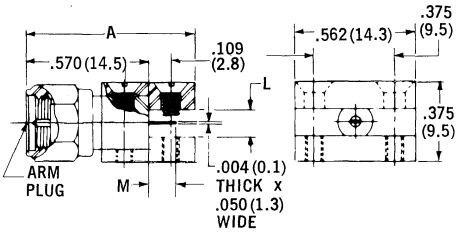
2070-1401		2070-1402		2070-1403		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.750	19.0	.750	19.0	.750	19.0	A
.063	1.6	.125	3.2	.250	6.4	L
.125	3.2	.125	3.2	.125	3.2	M

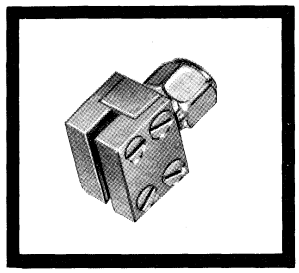




STRAIGHT END LAUNCHED PLUG

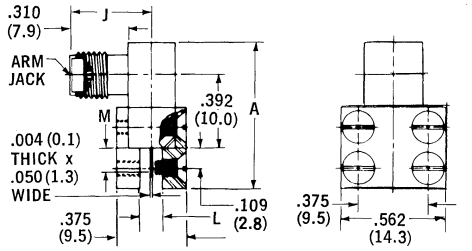
2071-1401		2071-1402		2071-1403		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.788	20.0	.788	20.0	.788	20.0	A
.063	1.6	.125	3.2	.250	6.4	L
.125	3.2	.125	3.2	.125	3.2	M

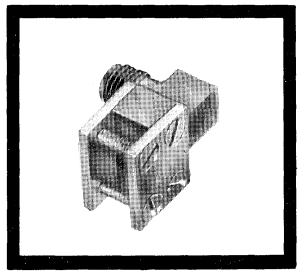




RIGHT ANGLE END LAUNCHED JACK

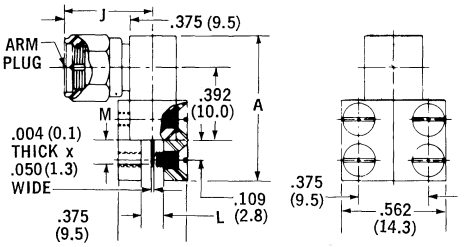
2072-1401		2072-1402		2072-1403		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.780	19.8	.780	19.8	.780	19.8	A
.435	11.1	.435	11.1	.435	11.1	J
.063	1.6	.125	3.2	.250	6.4	L
.125	3.2	.125	3.2	.125	3.2	M

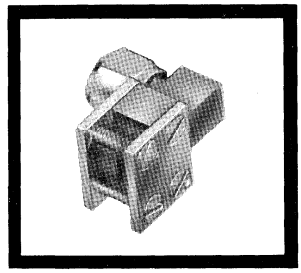




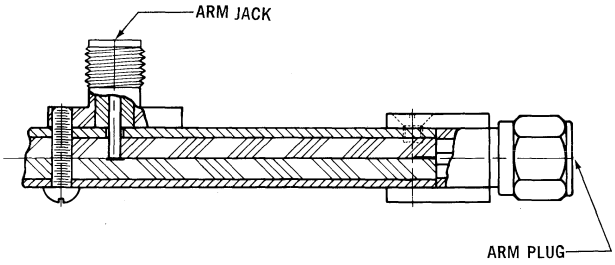
RIGHT ANGLE END LAUNCHED PLUG

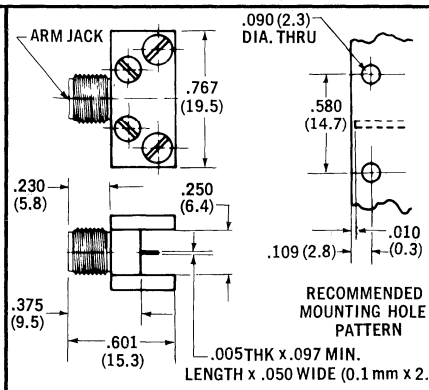
2073-1401		2073-1402		2073-1403		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.780	19.8	.780	19.8	.780	19.8	A
.500	12.7	.500	12.7	.500	12.7	J
.063	1.6	.125	3.2	.250	6.4	L
.125	3.2	.125	3.2	.125	3.2	M

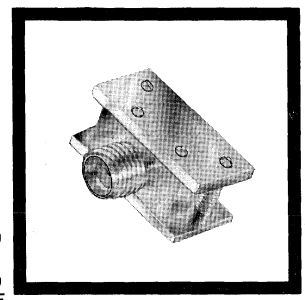




TYPICAL MOUNTING APPLICATION





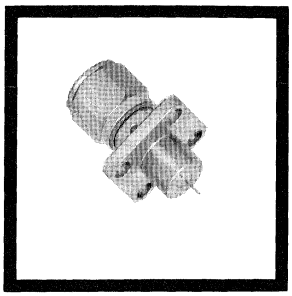


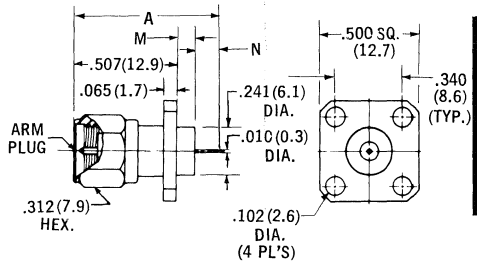
"ARM" stripline connectors are easily mounted or removed with an ordinary screwdriver. If your application requires special consideration, contact your nearest representative.

2070-5009	STRAIGHT END LAUNCHED JACK

MICROSTRIP TRANSITIONS
Rod Contact Type

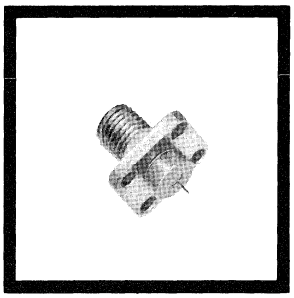
PANEL MOUNTED PLUG

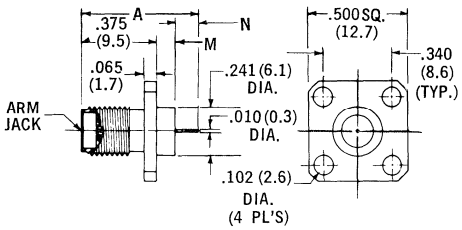




DIM	2051-1121		2051-1122		2051-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.715 (REF)	18.2	.747 (REF)	19.0	.809 (REF)	20.6
M	.093	2.4	.125	3.2	.187	4.7
N	.115	2.9	.115	2.9	.115	2.9

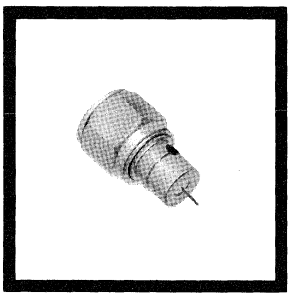
PANEL MOUNTED JACK

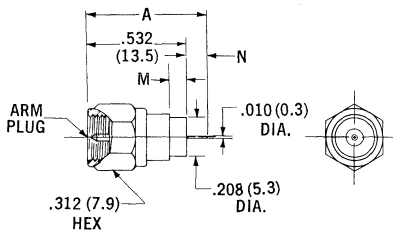




DIM	2052-1121		2052-1122		2052-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.583 (REF)	14.8	.615 (REF)	15.6	.677 (REF)	17.2
M	.093	2.4	.125	3.2	.187	4.7
N	.115	2.9	.115	2.9	.115	2.9

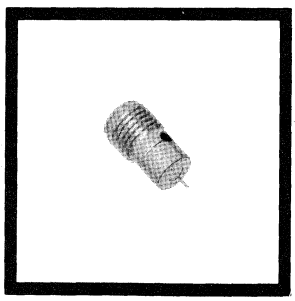
BULKHEAD PLUG-REAR MOUNT

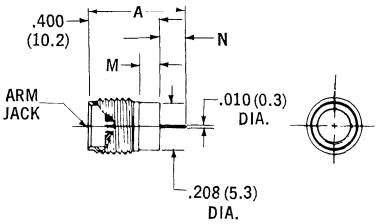




DIM	2057-1121		2057-1122		2057-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.647 (REF)	16.4	.647 (REF)	16.4	.647 (REF)	16.4
M	.093	2.4	.125	3.2	.187	4.7
N	.115	2.9	.115	2.9	.115	2.9

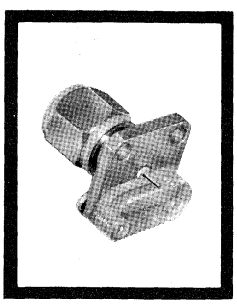
BULKHEAD JACK-REAR MOUNT

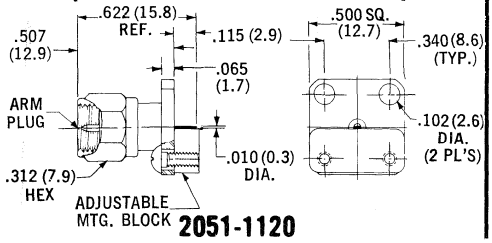




DIM	2058-1121		2058-1122		2058-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.515 (REF)	13.1	.515 (REF)	13.1	.515 (REF)	13.1
M	.093	2.4	.125	3.2	.187	4.7
N	.115	2.9	.115	2.9	.115	2.9

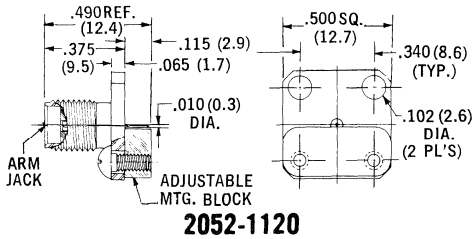
PANEL MOUNTED PLUG (WITH MOUNTING BLOCK)



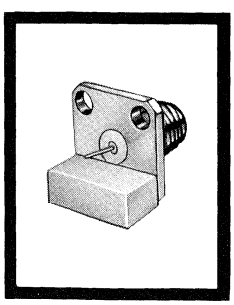


2051-1120

PANEL MOUNTED JACK (WITH MOUNTING BLOCK)



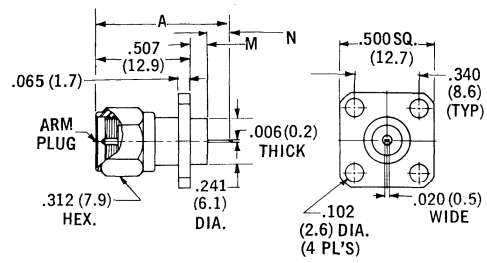
2052-1120

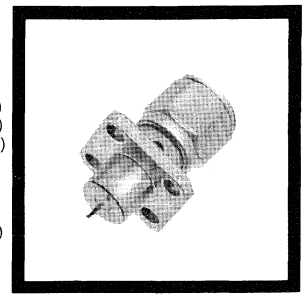


MICROSTRIP TRANSITIONS
Tab Contact Type

PANEL MOUNTED PLUG

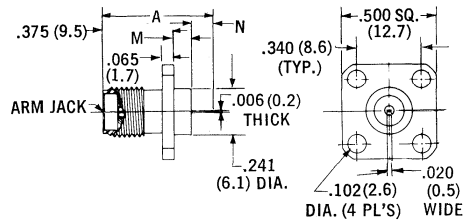
2051-1131		2051-1132		2051-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.700 (REF)	17.8	.732 (REF)	18.6	.794 (REF)	20.2	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N

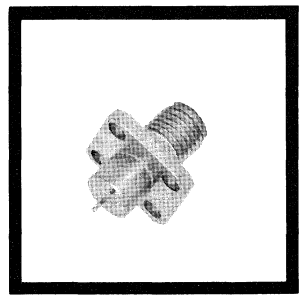




PANEL MOUNTED JACK

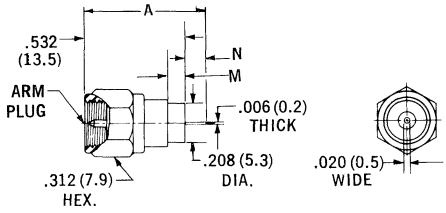
2052-1131		2052-1132		2052-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.568 (REF)	14.5	.600 (REF)	15.2	.662 (REF)	16.8	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N

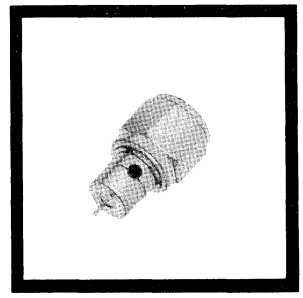




BULKHEAD PLUG - REAR MOUNT

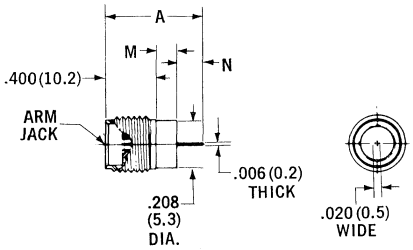
2057-1131		2057-1132		2057-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.632 (REF)	16.1	.632 (REF)	16.1	.632 (REF)	16.1	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N

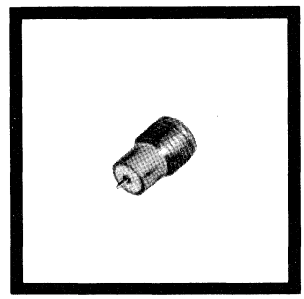


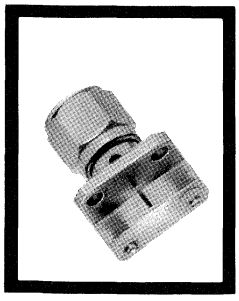


BULKHEAD JACK - REAR MOUNT

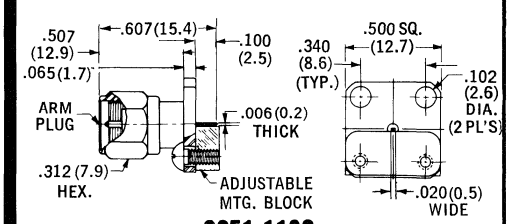
2058-1131		2058-1132		2058-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.500 (REF)	12.7	.500 (REF)	12.7	.500 (REF)	12.7	A
.093	2.4	.125	3.2	.187	4.	M
.100	2.5	.100	2.5	.100	2.5	N





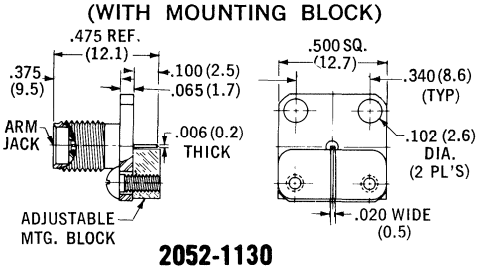


PANEL MOUNTED PLUG
(WITH MOUNTING BLOCK)

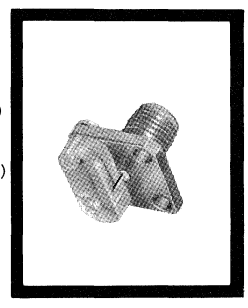


2051-1130

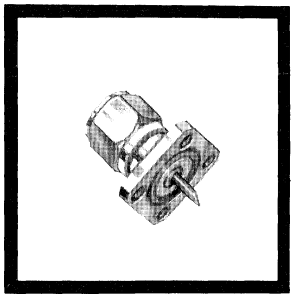
PANEL MOUNTED JACK
(WITH MOUNTING BLOCK)



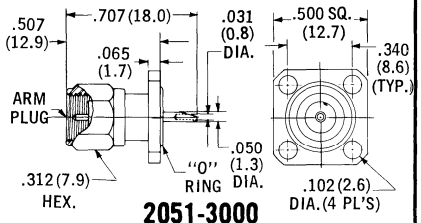
2052-1130



HERMETICALLY SEALED RECEPTACLES

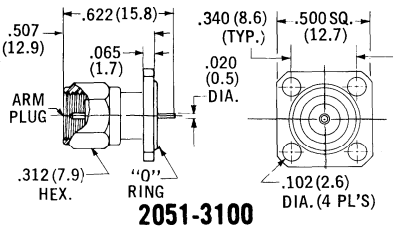


STRAIGHT PANEL PLUG RECEPTACLE

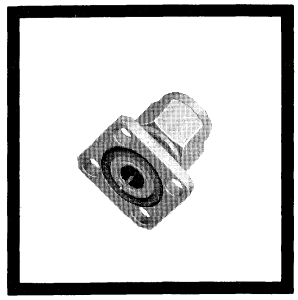


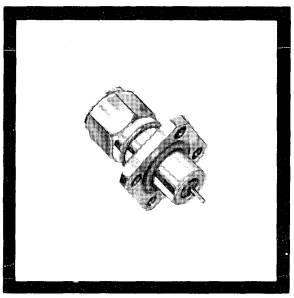
2051-3000

STRAIGHT PANEL PLUG RECEPTACLE

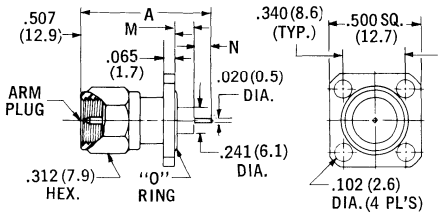


2051-3100



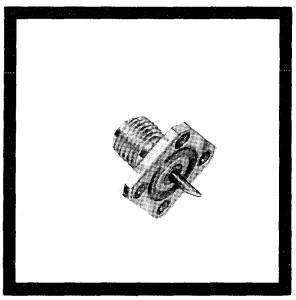


STRAIGHT PANEL PLUG RECEPTACLE

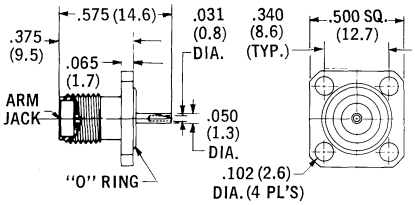


MICROSTRIP PACKAGE TRANSITION

DIM	2051-3121		2051-3122		2051-3123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.715 (REF)	18.2	.747 (REF)	19.0	.809 (REF)	20.6
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9

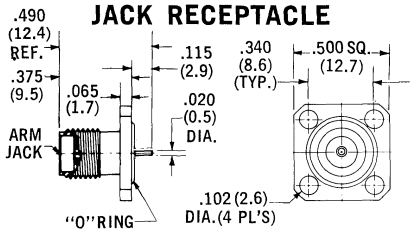


STRAIGHT PANEL JACK RECEPTACLE

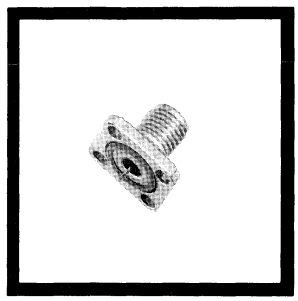


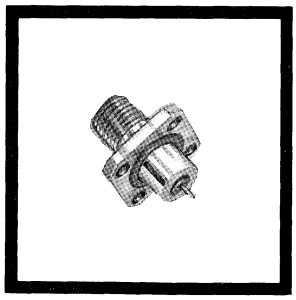
2052-3000

STRAIGHT PANEL JACK RECEPTACLE

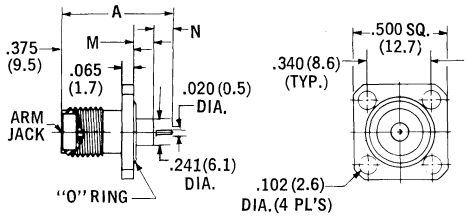


2052-3100



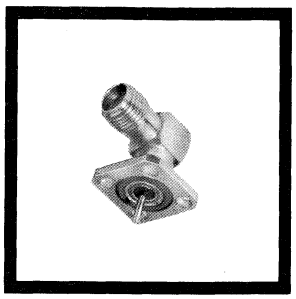


STRAIGHT PANEL JACK RECEPTACLE

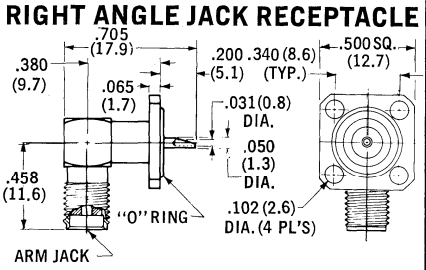


MICROSTRIP PACKAGE TRANSITION

DIM	2052-3121		2052-3122		2052-3123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.583 (REF)	14.8	.615 (REF)	15.6	.677 (REF)	17.2
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9

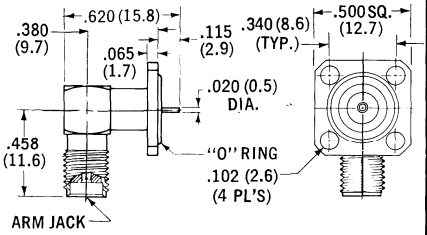


RIGHT ANGLE JACK RECEPTACLE

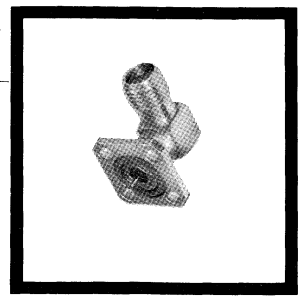


2054-3000

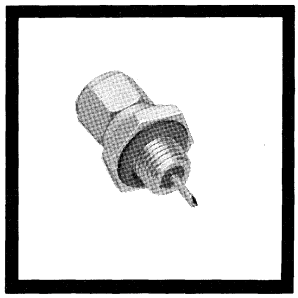
RIGHT ANGLE JACK RECEPTACLE



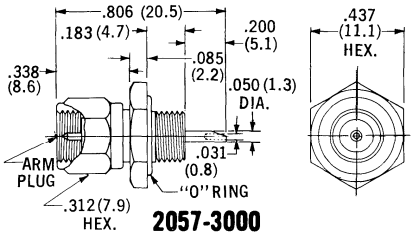
2054-3100



HERMETICALLY SEALED RECEPTACLES

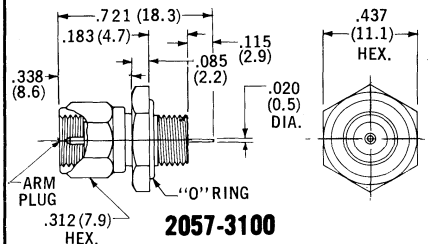


STRAIGHT BULKHEAD PLUG RECEPTACLE (THREADS REAR)

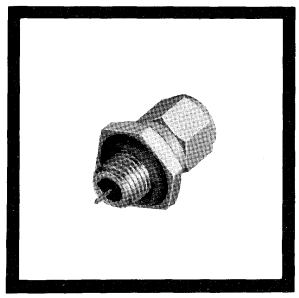


2057-3000

STRAIGHT BULKHEAD PLUG RECEPTACLE (THREADS REAR)



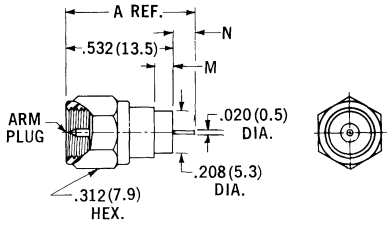
2057-3100

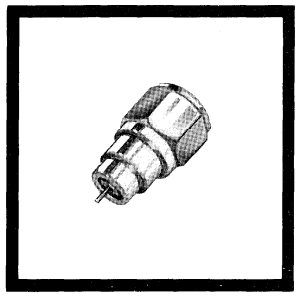


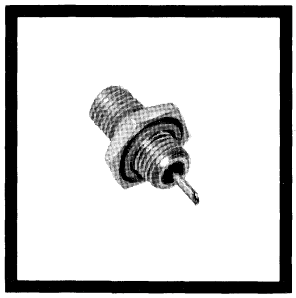
MICROSTRIP PACKAGE TRANSITION

2057-3121		2057-3122		2057-3123		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.647 (REF)	16.4	.647 (REF)	16.4	.647 (REF)	16.4	A
.093	2.4	.125	3.2	.187	4.8	M
.115	2.9	.115	2.9	.115	2.9	N

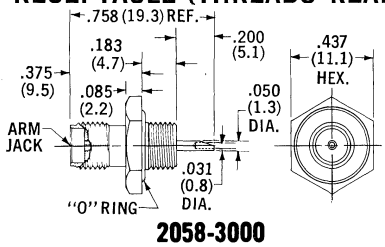
STRAIGHT BULKHEAD PLUG RECEPTACLE (REAR MOUNT)





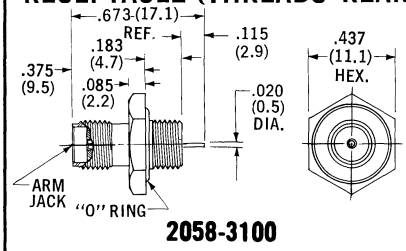


STRAIGHT BULKHEAD JACK RECEPTACLE (THREADS REAR)

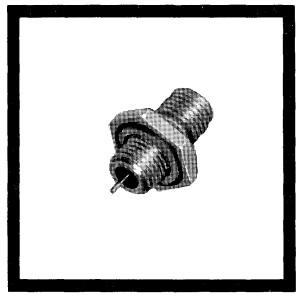


2058-3000

STRAIGHT BULKHEAD JACK RECEPTACLE (THREADS REAR)



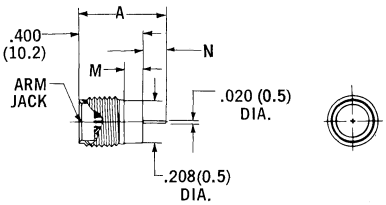
2058-3100

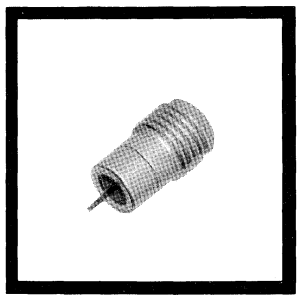


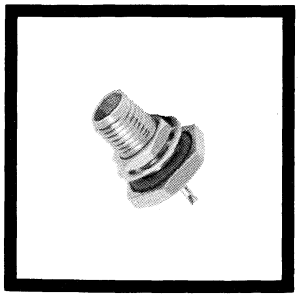
MICROSTRIP PACKAGE TRANSITION

2058-3121		2058-3122		2058-3123		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.515 (REF)	13.1	.515 (REF)	13.1	.515 (REF)	13.1	A
.093	2.4	.125	3.2	.187	4.8	M
.115	2.9	.115	2.9	.115	2.9	N

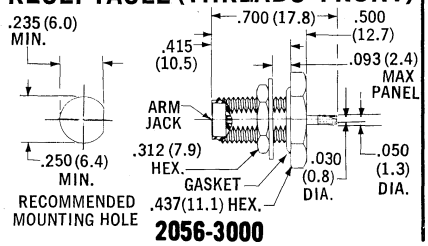
STRAIGHT BULKHEAD JACK RECEPTACLE (REAR MOUNT)





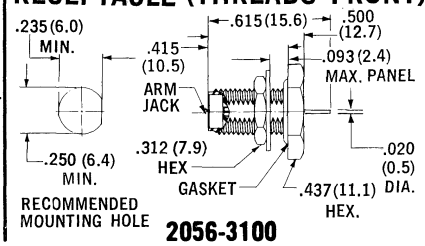


STRAIGHT BULKHEAD JACK RECEPTACLE (THREADS FRONT)

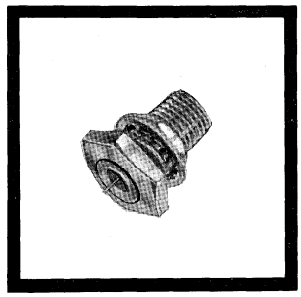


2056-3000

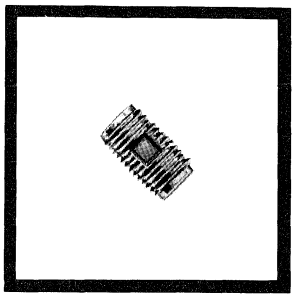
STRAIGHT BULKHEAD JACK RECEPTACLE (THREADS FRONT)

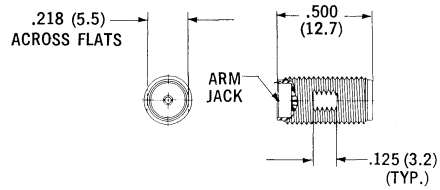


2056-3100



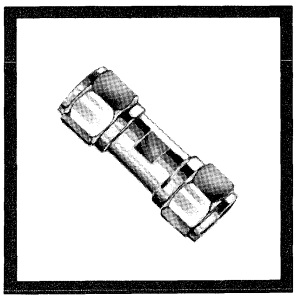
IN SERIES ADAPTERS

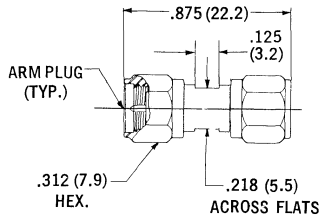




2080-0000

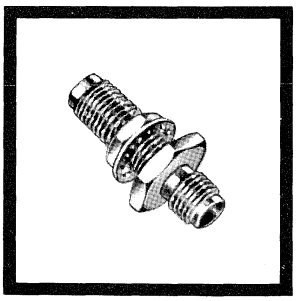
JACK TO JACK
ADAPTER

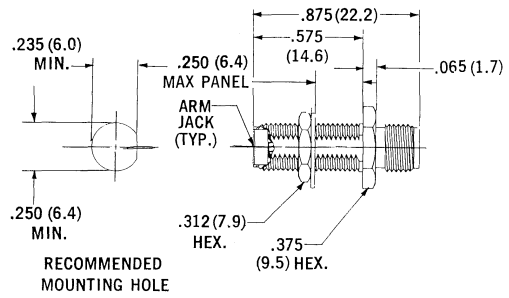




2081-0000

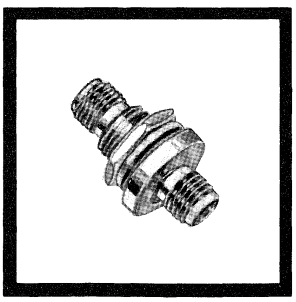
PLUG TO PLUG
ADAPTER

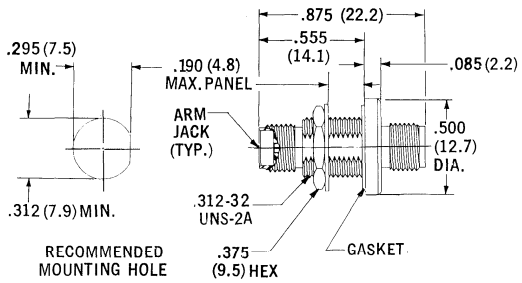




2084-0000

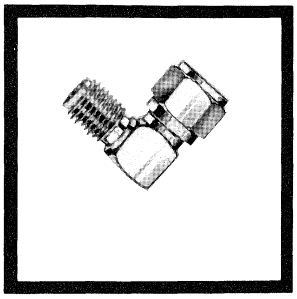
BULKHEAD
FEEDTHRU
JACK TO JACK
ADAPTER

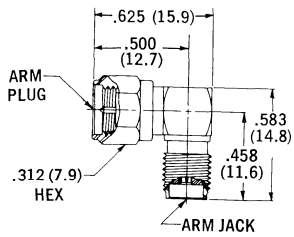




2084-1100

BULKHEAD
FEEDTHRU
ADAPTER PRESSURIZED
(WITH GASKET)





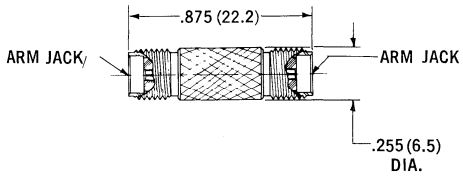
2088-0000

RIGHT ANGLE
JACK TO PLUG
ADAPTER

IN SERIES ADAPTERS

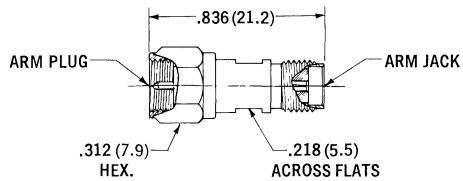
2080-5055

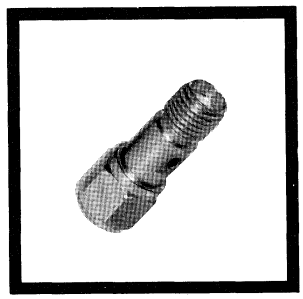
JACK TO JACK
ADAPTER



2082-0000

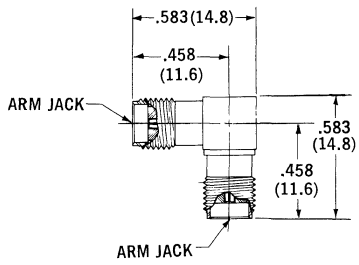
PLUG TO JACK
ADAPTER
(JACK SAVER)

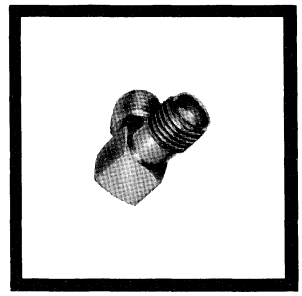




2086-0000

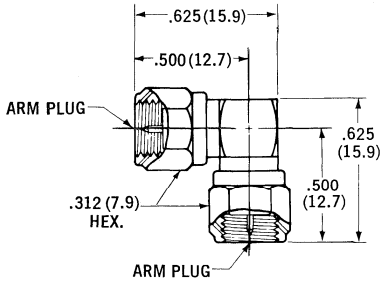
RIGHT ANGLE
JACK TO JACK
ADAPTER

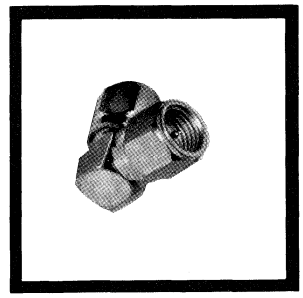




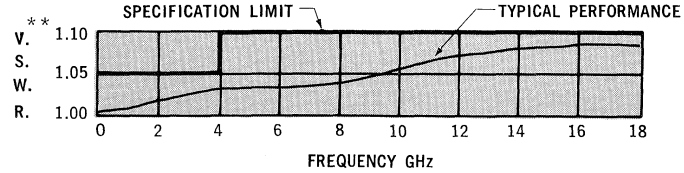
2087-0000

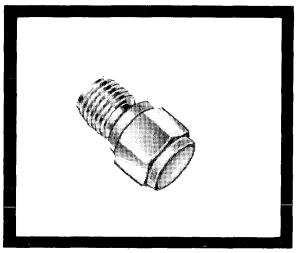
RIGHT ANGLE
PLUG TO PLUG
ADAPTER



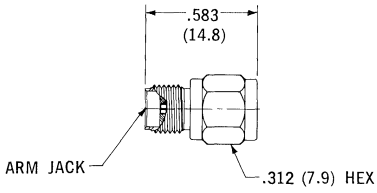


MINIATURE PRECISION TERMINATIONS



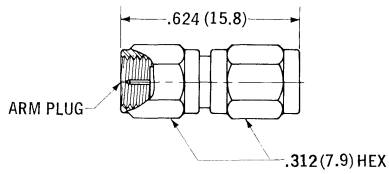


JACK TERMINATION *

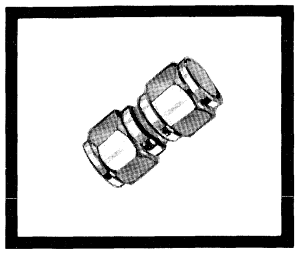


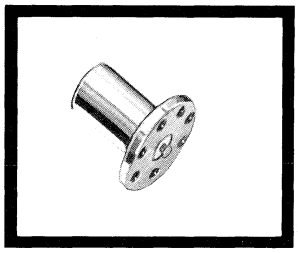
2020-6100

PLUG TERMINATION *

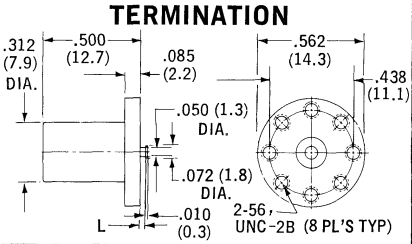


2021-6100

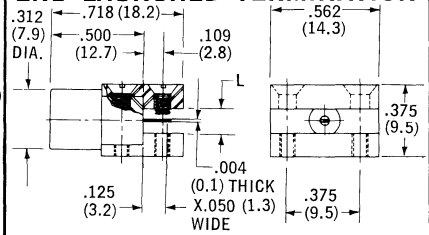


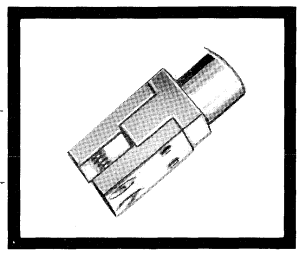


SURFACE LAUNCHED TERMINATION



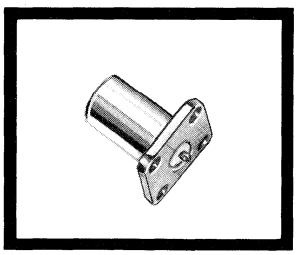
END LAUNCHED TERMINATION



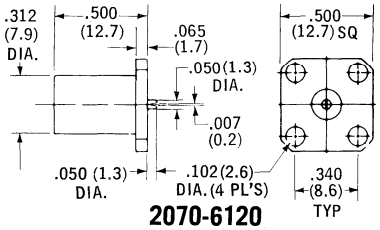


PART NUMBER	DIM L INCHES	DIM L mm	STRIPLINE SIZE INCHES	STRIPLINE SIZE mm
2066-6111	.031	0.8	1/16	1.6
2066-6112	.063	1.6	1/8	3.2
2066-6113	.125	3.2	1/4	6.4

PART NUMBER	DIM L INCHES	DIM L mm	STRIPLINE SIZE INCHES	STRIPLINE SIZE mm
2070-6111	.063	1.6	1/16	.063
2070-6112	.125	3.2	1/8	.125
2070-6113	.250	6.4	1/4	.250

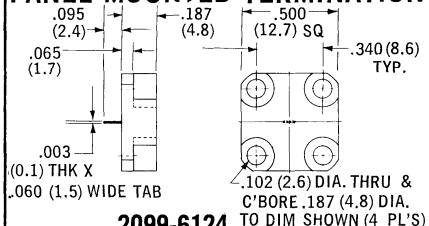


PANEL MOUNTED TERMINATION

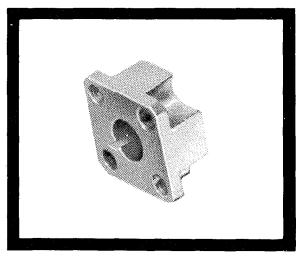


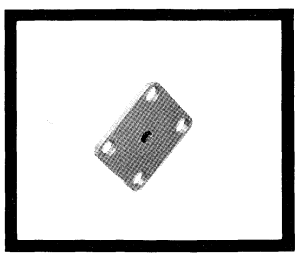
2070-6120

PANEL MOUNTED TERMINATION

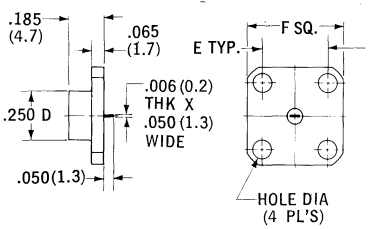


2099-6124

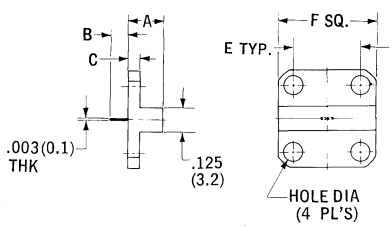


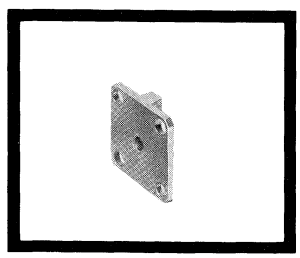


PANEL MOUNTED TERMINATION



PANEL MOUNTED TERMINATION





PART NUMBER	DIM E INCHES	DIM E mm	DIM F INCHES	DIM F mm	HOLE DIA. INCHES	HOLE DIA. mm
2099-6125	.340	8.6	.500	12.7	.102	2.6
2099-6126	.500	12.7	.687	17.5	.125	3.2
2099-6127	.718	18.2	1.000	25.4	.125	3.2

PART NUMBER	DIM A IN.	DIM A mm	DIM B IN.	DIM B mm	DIM C IN.	DIM C mm	DIM E IN.	DIM E mm	DIM F IN.	DIM F mm	HOLE DIA. IN.	HOLE DIA. mm
2099-6128	.187	4.8	.095	2.4	.065	1.7	.340	8.6	.500	12.7	.102	2.6
2099-6129	.160	4.1	.050	1.3	.050	1.3	.500	12.7	.687	17.5	.125	3.2

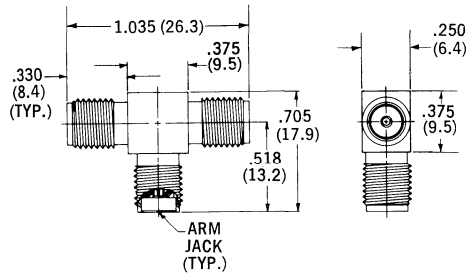
*These parts are available with chains as part numbers 2020-1316 and 2021-1316 respectively.

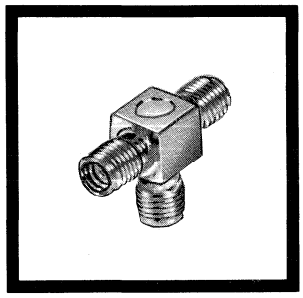
** VSWR applies to 2020-6100 and 2021-6100 only.

POWER DIVIDERS UNMATCHED

2089-0000

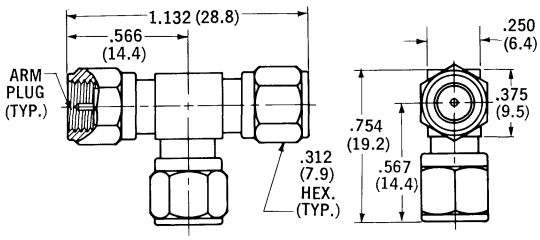
JACK-JACK-JACK
ADAPTER

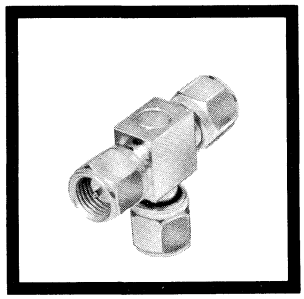




2090-0000

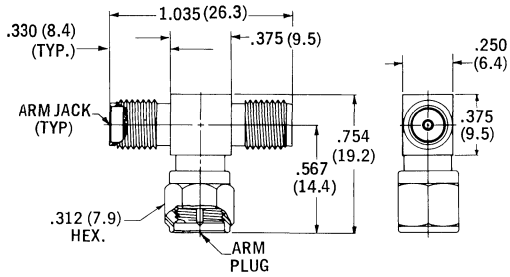
PLUG-PLUG-PLUG
ADAPTER

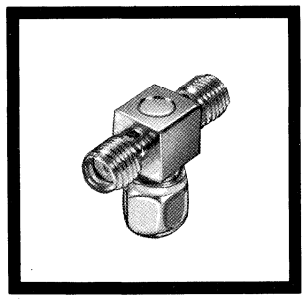




2091-0000

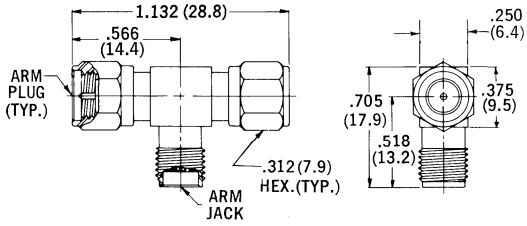
JACK-PLUG-JACK
ADAPTER

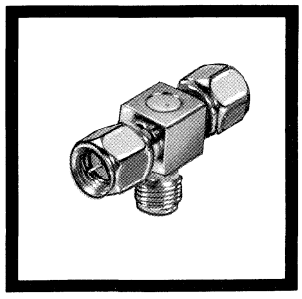




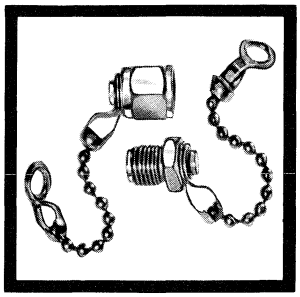
2092-0000

PLUG-JACK-PLUG
ADAPTER





SHORTS AND DUST CAPS



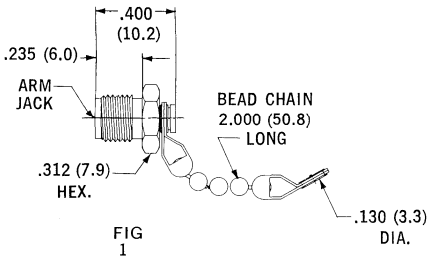


FIG 1

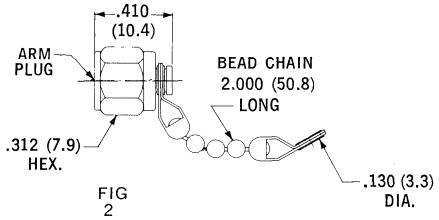
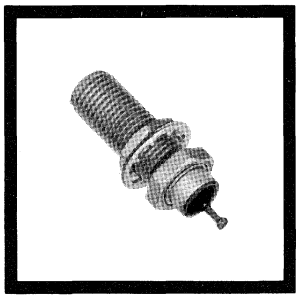
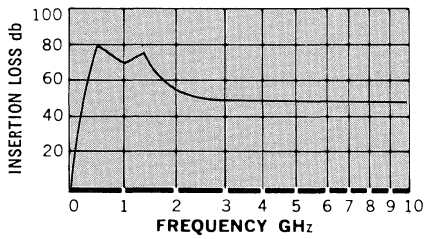


FIG 2

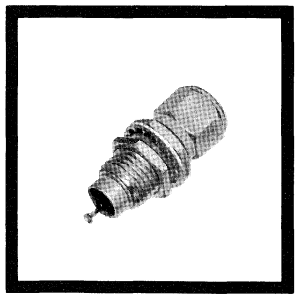
2020-1310	DUST CAP WITH CHAIN FOR PLUG CONNECTORS	FIG 1
2021-1310	DUST CAP WITH CHAIN FOR JACK CONNECTORS	FIG 2
2020-1314	JACK SHORT WITHOUT CHAIN	FIG 1
2020-1312	JACK SHORT WITH CHAIN	FIG 1
2021-1314	PLUG SHORT WITHOUT CHAIN	FIG 2
2021-1312	PLUG SHORT WITH CHAIN	FIG 2

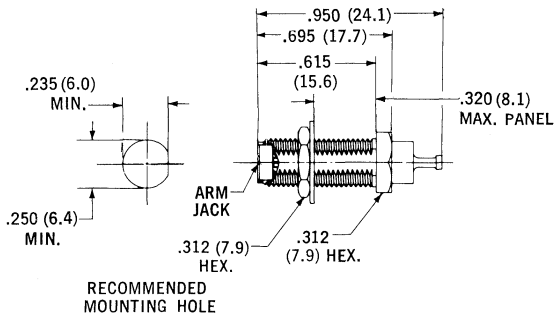
LOW PASS FILTERS

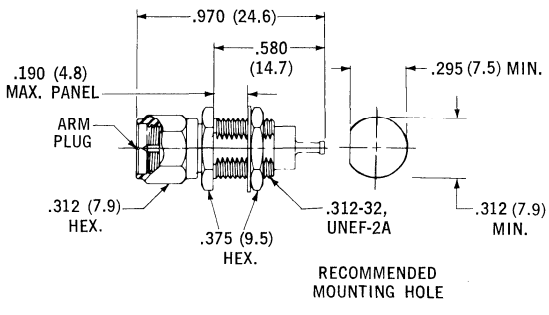




Capacitance: 5000 pf







2056-6200	BULKHEAD JACK TYPE (THREADS FRONT)	**2057-6200**	BULKHEAD PLUG TYPE (THREADS REAR)

T.M.

QUICK RELEASE MINIATURE CONNECTORS

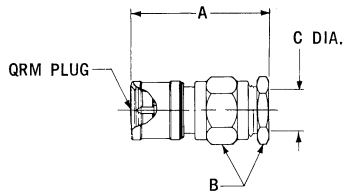
Though the normal high environment microwave system usually utilizes threaded engagement type connectors, the need for a quick connect-disconnect type which will operate at higher microwave frequencies is ever present. Many systems which are isolated or ground operated can utilize the advantages of a quickly assembled system. Americon's QRM quick release miniature series provide the combination of quick assembly, miniature size, and high frequency performance to allow the user broad versatility within his system. They are constructed of non-magnetic stainless steel and are available in a number of configurations.

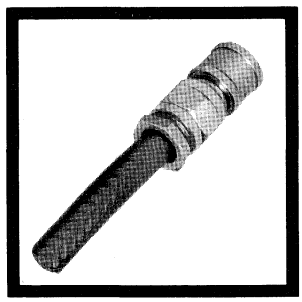
CABLE CONNECTORS
Flexible Cable Clamp Version

CABLE TYPE				
55 58 141 142 223 303	174 179** 187** 188 316	180 195 *		RG/U

STRAIGHT CABLE PLUG

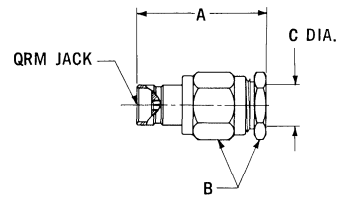
2101-7141		2101-7188		2101-7195		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.750 MAX	19.0	.750 MAX	19.0	.750 MAX	19.0	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1	C





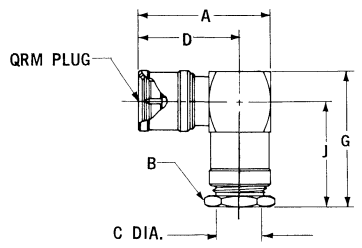
STRAIGHT CABLE JACK

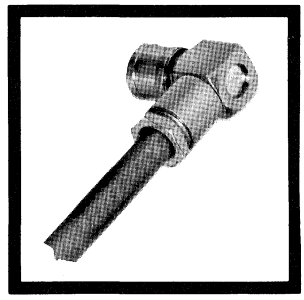
2102-7141		2102-7188		2102-7195		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.700 MAX	17.8	.700 MAX	17.8	.700 MAX	17.8	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1	C



RIGHT ANGLE CABLE PLUG

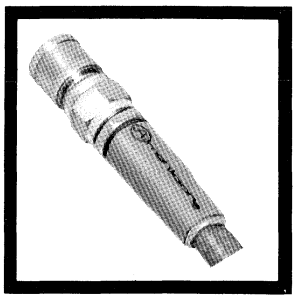
2107-7141		2107-7188		2107-7195		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.675 MAX	17.1	.675 MAX	17.1	.675 MAX	17.1	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1	C
.515	13.1	.515	13.1	.515	13.1	D
.710 MAX	18.0	.710 MAX	18.0	.710 MAX	18.0	G
.562 MAX	14.3	.562 MAX	14.3	.562 MAX	14.3	J



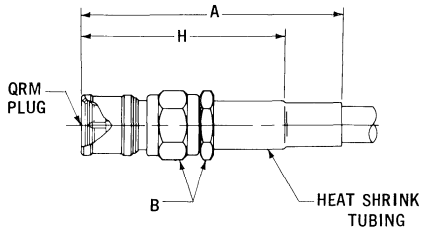


*May also be used on Suprenant 9872, and Amphenol 21-597 75 ohm cables.
**Subminiature 75 ohm cables.

CABLE CONNECTORS
Flexible Cable — Crimp Version

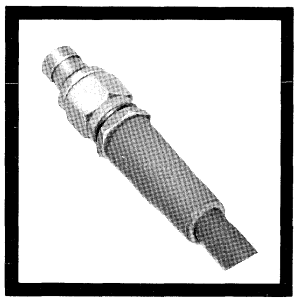


STRAIGHT CABLE PLUG

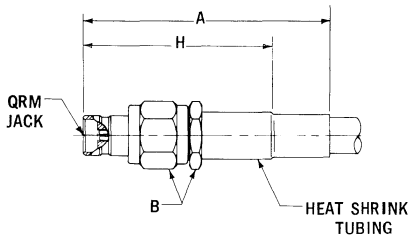


RG/U	CABLE TYPE		
	55 58 141 142 223 303	174 179** 187** 188 316	180 195 *

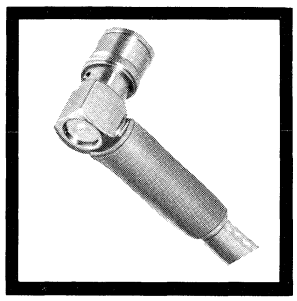
DIM	2131-7141		2131-7188		2131-7195	
	INCHES	mm	INCHES	mm	INCHES	mm
A	1.375 MAX	34.9	1.375 MAX	34.9	1.375 MAX	34.9
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
H	1.156 MAX	29.4	1.156 MAX	29.4	1.156 MAX	29.4



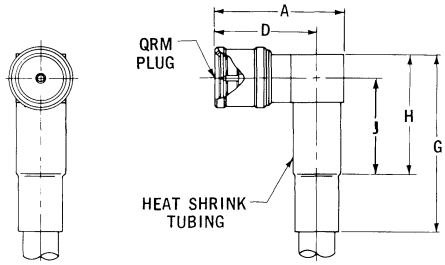
STRAIGHT CABLE JACK



DIM	2132-7141		2132-7188		2132-7195	
	INCHES	mm	INCHES	mm	INCHES	mm
A	1.343 MAX	34.1	1.343 MAX	34.1	1.343 MAX	34.1
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
H	1.125 MAX	28.6	1.125 MAX	28.6	1.125 MAX	28.6

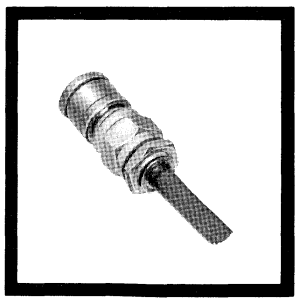


RIGHT ANGLE CABLE PLUG

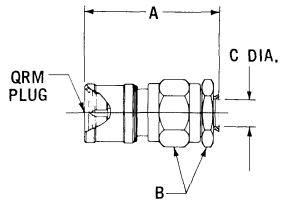


DIM	2137-7141		2137-7188		2137-7195	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.675 MAX	17.1	.675 MAX	17.1	.675 MAX	17.1
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
D	.535 MAX	13.6	.535 MAX	13.6	.535 MAX	13.6
G	.937 MAX	23.8	.937 MAX	23.8	.937 MAX	23.8
H	.625 MAX	15.9	.625 MAX	15.9	.625 MAX	15.9
J	.520 MAX	13.2	.520 MAX	13.2	.520 MAX	13.2

Semi-Rigid Cable — Solder Clamp Version

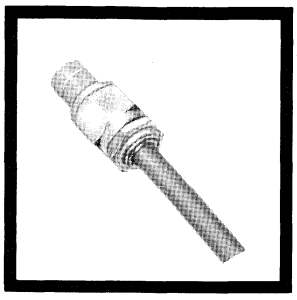


STRAIGHT CABLE PLUG

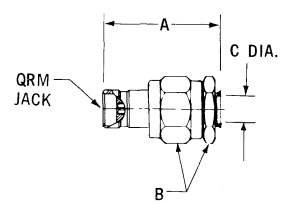


	CABLE TYPE		
	.141	.085	.070

DIM	2101-7841		2101-7885		2101-7870	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.750 MAX	19.0	.750 MAX	19.0	.750 MAX	19.0
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8



STRAIGHT CABLE JACK



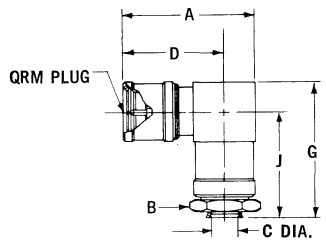
DIM	2102-7841		2102-7885		2102-7870	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.687 MAX	17.5	.687 MAX	17.5	.687 MAX	17.5
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8

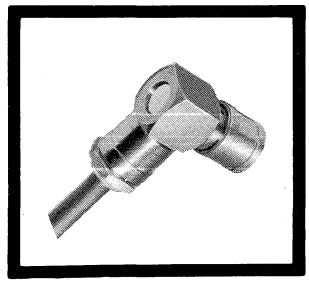
*May also be used on Suprenant 9872, and Amphenol 21-597 75 ohm cables.
**Subminiature 75 ohm cables.

CABLE CONNECTORS
Semi-Rigid Cable - Solder Clamp Version

CABLE TYPE						
.141		.085		.070		DIA
2107-7841		2107-7885		2107-7870		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.675 MAX	17.1	.675 MAX	17.1	.675 MAX	17.1	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8	C
.515	13.1	.515	13.1	.515	13.1	D
.687 MAX	17.5	.687 MAX	17.5	.687 MAX	17.5	G
.531 MAX	13.5	.531 MAX	13.5	.531 MAX	13.5	J

RIGHT ANGLE CABLE PLUG



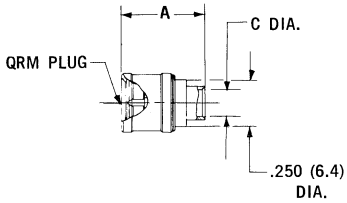


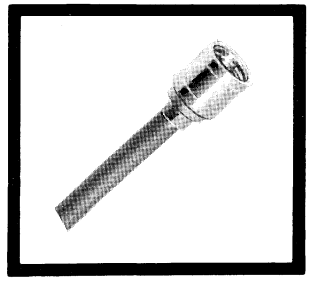
Semi-Rigid Cable-Direct Solder Version

.141		.085		.070		DIA

STRAIGHT CABLE PLUG

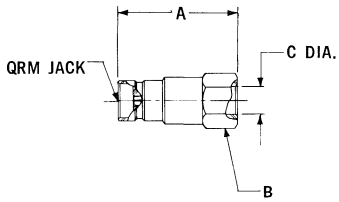
2101-7941		2101-7985		2101-7970		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.330 MAX	8.4	.330 MAX	8.4	.330 MAX	8.4	A
.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8	C

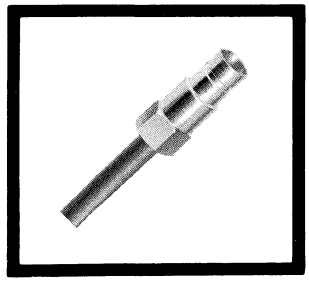




STRAIGHT CABLE JACK

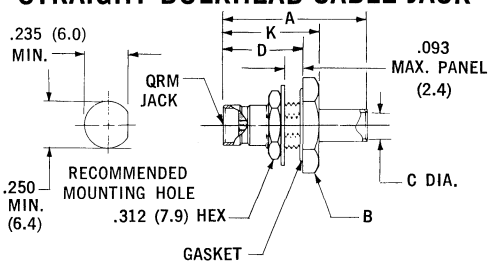
2102-7941		2102-7985		2102-7970		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.625 MAX	15.9	.625 MAX	15.9	.625 MAX	15.9	A
.250 HEX	6.4	.250 HEX	6.4	.250 HEX	6.4	B
.142 MIN	3.6	.08 8 MIN	2.2	.072 MIN	1.8	C

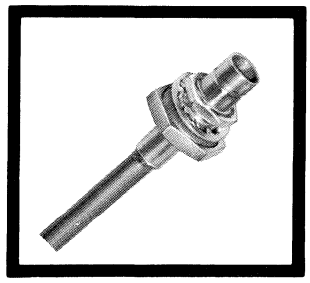




STRAIGHT BULKHEAD CABLE JACK

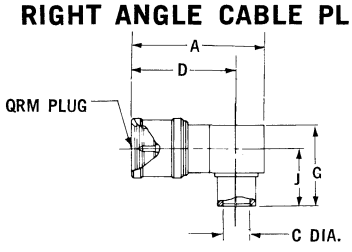
2104-7941		2104-7985		2104-7970		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.750 MAX	19.0	.750 MAX	19.0	.750 MAX	19.0	A
.437 HEX	11.1	.437 HEX	11.1	.437 HEX	11.1	B
.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8	C
.415	10.5	.415	10.5	.415	10.5	D
.500	12.7	.500	12.7	.500	12.7	K

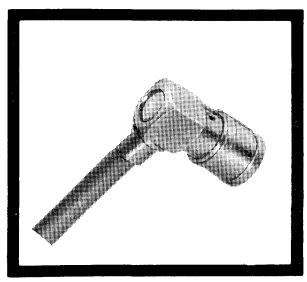




RIGHT ANGLE CABLE PLUG

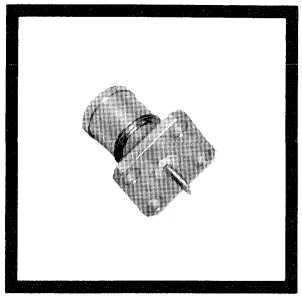
2107-7941		2107-7985		2107-7970		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.675 MAX	17.1	.675 MAX	17.1	.675 MAX	17.1	A
.142 MIN	3.6	.088 MIN	2.2	.072 MIN	1.8	C
.535	13.6	.535	13.6	.535	13.6	D
.437 MAX	11.1	.437 MAX	11.1	.437 MAX	11.1	G
.312 MAX	7.9	.312 MAX	7.9	.312 MAX	7.9	J

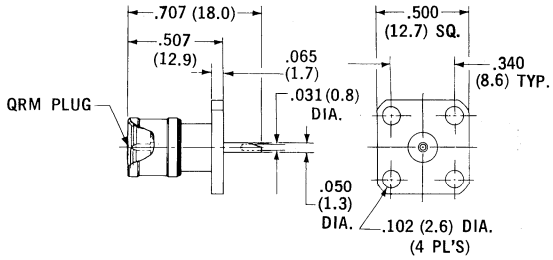




RECEPTACLES

STRAIGHT PANEL PLUG RECEPTACLE

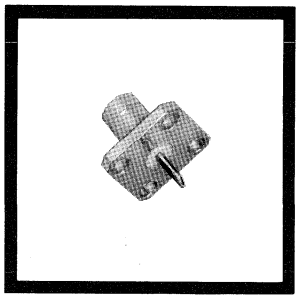


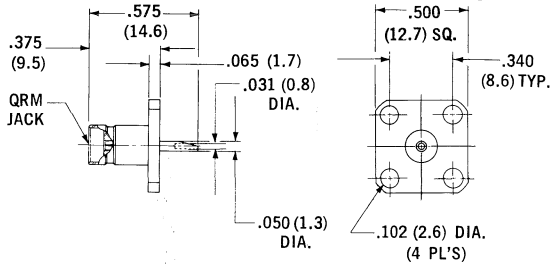


2151-0000

CAPTIVATED CENTER CONDUCTOR-SOLDER POT

STRAIGHT PANEL JACK RECEPTACLE

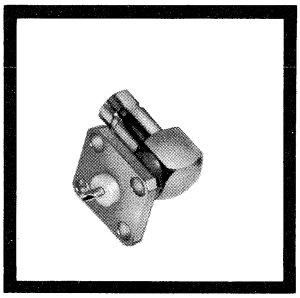


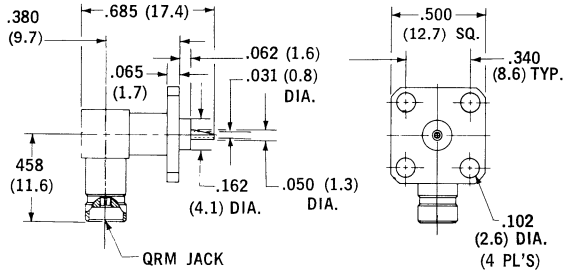


2152-0000

CAPTIVATED CENTER CONDUCTOR-SOLDER POT

RIGHT ANGLE JACK RECEPTACLE

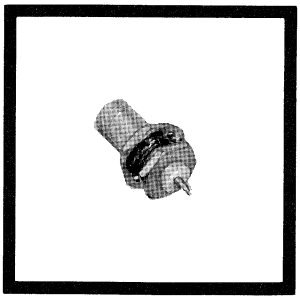


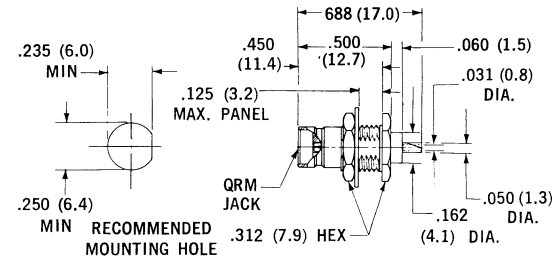


2154-0000

CAPTIVATED CENTER CONDUCTOR-SOLDER POT

STRAIGHT BULKHEAD JACK RECEPTACLE

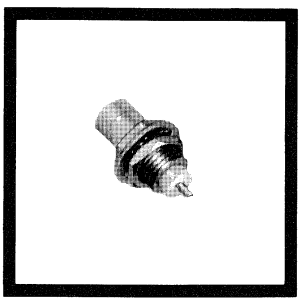


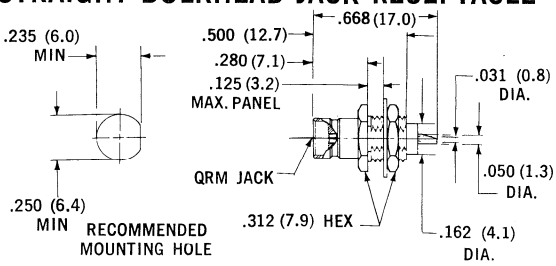


2156-0000

CAPTIVATED CENTER CONDUCTOR-SOLDER POT (THREADS FRONT)

STRAIGHT BULKHEAD JACK RECEPTACLE





2158-0000

CAPTIVATED CENTER CONDUCTOR-SOLDER POT (THREADS REAR)

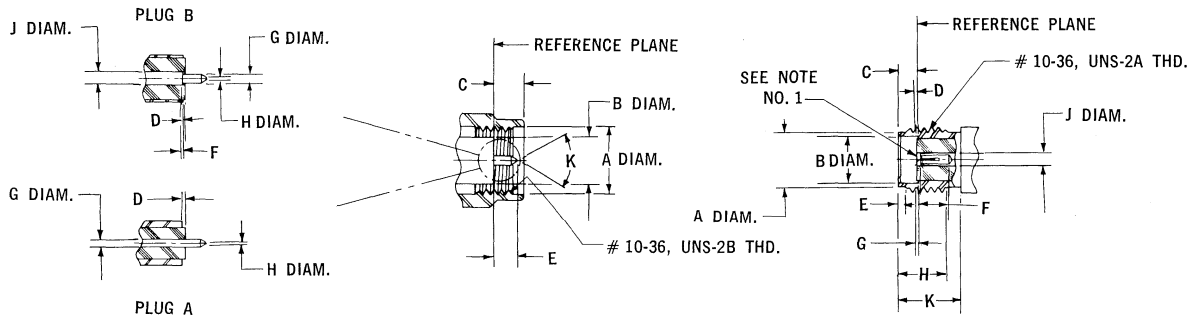
ARSM

T.M.

SUBMINIATURE CONNECTORS

Smaller microwave systems demand smaller and lighter components particularly when small coaxial cable is used and the integrity of the system must be maintained. The ARSM series of subminiature coaxial connectors was designed with the purpose of providing a high performance connector for the smaller coaxial cables such as .085 semi-rigid and RG 188/U and RG 196/U Flexible types. The line size of the ARSM subminiature complements that of the aforementioned cables allowing more precise and efficient performance at high R.F. frequencies while maintaining the small size and lightweight characteristics which are desirable in subminiature systems. The units are precisely manufactured of stainless steel and utilize hardened beryllium copper center conductors, virgin teflon dielectrics and are very ruggedly built to withstand the most extreme environmental conditions.

MATING INTERFACE DIMENSIONS



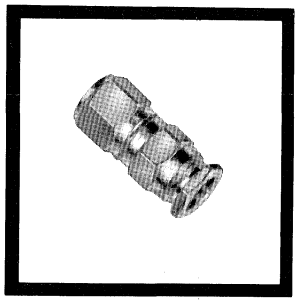
LTR.	INCHES (MILLIMETERS) 3/		
	MINIMUM	NOMINAL	MAXIMUM
A	.196 (4.98)	.199 (5.05)	.202 (5.13)
B	.1243 (3.16)	.1250 (3.18)	.1268 (3.22)
C	.100 (2.54)	.117 (2.97)	.133 (3.38)
D	—.005 (0.13)	.000 (0.00)	.002 (0.05)
E	.050 (1.27)	.060 (1.52)	.065 (1.65)
F	.000 (0.00)	.003 (0.07)	.010 (0.25)
G	.0195 (0.50)	.0200 (0.51)	.0208 (0.53)
H	.000 (0.00)	.005 (0.13)	.010 (0.25)
J	.0335 (0.85)	.0340 (0.86)	.0348 (0.88)
K	85°	90°	95°

LTR.	INCHES (MILLIMETERS) 3/		
	MINIMUM	NOMINAL	MAXIMUM
A	.153 (3.89)	.156 (3.96)	.160 (4.06)
B	.1272 (3.23)	.1280 (3.25)	.1297 (3.29)
C	.075 (1.91)	.076 (1.93)	.077 (1.96)
D	—.005 (0.13)	.000 (0.00)	.002 (0.05)
E	.020 (0.51)	.030 (0.76)	.040 (1.02)
F	.115 (2.92)		
G	.000 (0.00)	.003 (0.08)	.010 (0.25)
H	.190 (4.83)	.200 (5.10)	.210 (5.34)
J	.0335 (0.85)	.0340 (0.86)	.0348 (0.88)
K	.230 (5.84)		

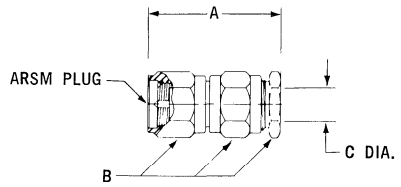
NOTES: 1. ID to meet VSWR, Contact Resistance and Insertion Withdrawal Forces when mated with $.0200 \pm \frac{.0007}{.0005}$ ($0.508 \pm \frac{.0178}{.0127}$ mm) Diam. Pin.
2. When fully engaged, the two Reference Planes must coincide with metal to metal contact.
3. Metric Equivalents (to the nearest 0.01 mm) are given for general information only and are based on 1 inch = 25.4 millimeters.

FLEXIBLE CABLE CONNECTORS
Cable Clamp Version

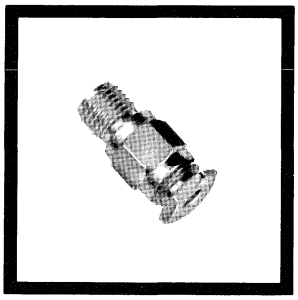
CABLE TYPE		
RG/U	174 179** 187** 188 316	178 196



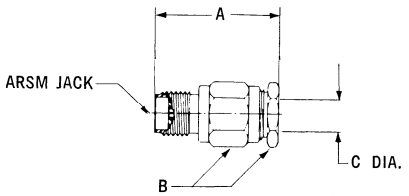
STRAIGHT CABLE PLUG



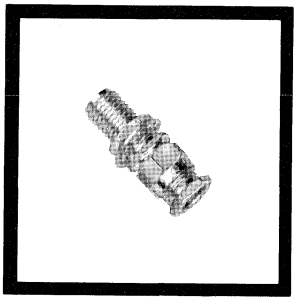
DIM	1001-7188		1001-7196	
	INCHES	mm	INCHES	mm
A	.650 MAX	16.5	.650 MAX	16.5
B	.250 HEX	6.4	.250 HEX	6.4
C	.120 DIA	3.0	.089 DIA	2.3



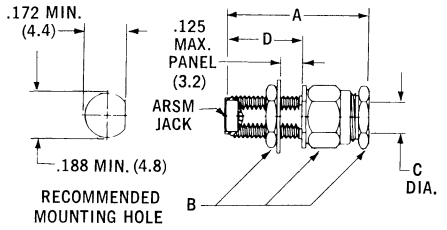
STRAIGHT CABLE JACK



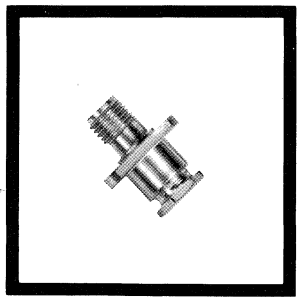
DIM	1002-7188		1002-7196	
	INCHES	mm	INCHES	mm
A	.600 MAX	15.2	.600 MAX	15.2
B	.250 HEX	6.4	.250 HEX	6.4
C	.120 DIA	3.0	.089 DIA	2.3



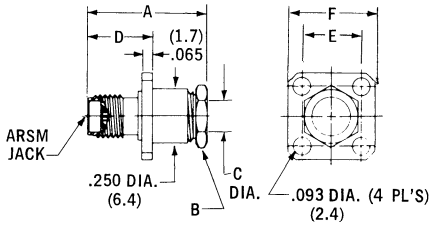
STRAIGHT BULKHEAD CABLE JACK



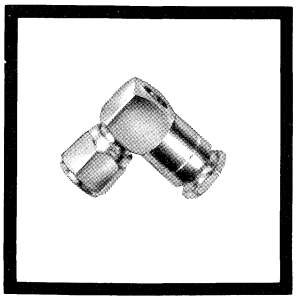
DIM	1004-7188		1004-7196	
	INCHES	mm	INCHES	mm
A	.760 MAX	19.3	.760 MAX	19.3
B	.250 HEX	6.4	.250 HEX	6.4
C	.120 DIA	3.0	.089 DIA	2.3
D	.450	11.4	.450	11.4



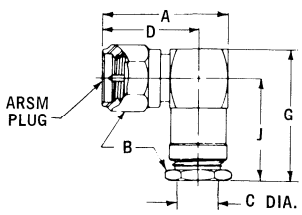
STRAIGHT PANEL CABLE JACK



DIM	1006-7188		1006-7196	
	INCHES	mm	INCHES	mm
A	.600 MAX	15.2	.600 MAX	15.2
B	.250 HEX	6.4	.250 HEX	6.4
C	.120 DIA	3.0	.089 DIA	2.3
D	.375	9.5	.375	9.5
E	.232 TYP	5.9	.232 TYP	5.9
F	.375 SQ	9.5	.375 SQ	9.5



RIGHT ANGLE CABLE PLUG



DIM	1007-7188		1007-7196	
	INCHES	mm	INCHES	mm
A	.615 MAX	15.6	.615 MAX	15.6
B	.250 HEX	6.4	.250 HEX	6.4
C	.120 DIA	3.0	.089 DIA	2.3
D	.478	12.1	.478	12.1
G	.530 MAX	13.5	.530 MAX	13.5
J	.410 MAX	10.4	.410 MAX	10.4

**Subminiature 75 ohm cables.

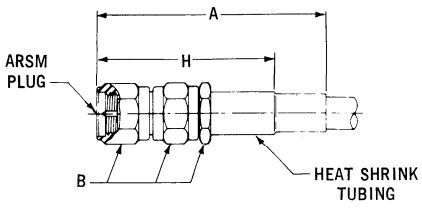
FLEXIBLE CABLE CONNECTORS
Cable Crimp Version

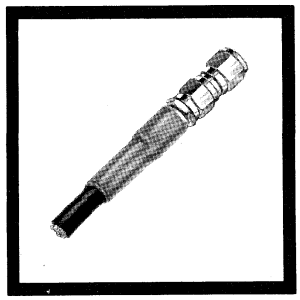
ARSM

CABLE TYPE		
174 179** 187** 188 316	178 196	RG/U

STRAIGHT CABLE PLUG

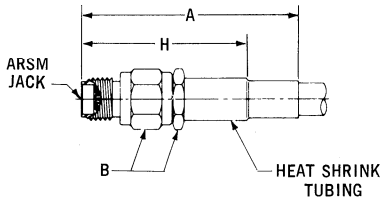
1031-7188		1031-7196		
INCHES	mm	INCHES	mm	DIM
1.281 MAX	32.5	1.281 MAX	32.5	A
.250 HEX	6.4	.250 HEX	6.4	B
1.062 MAX	27.0	.937 MAX	23.8	H

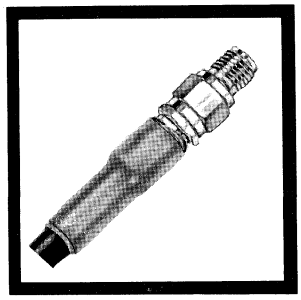




STRAIGHT CABLE JACK

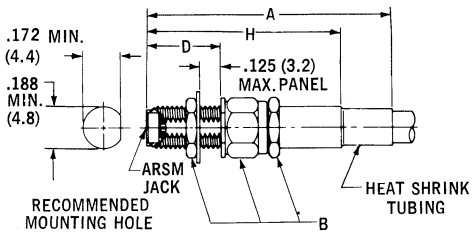
1032-7188		1032-7196		
INCHES	mm	INCHES	mm	DIM
1.240 MAX	31.5	1.240 MAX	31.5	A
.250 HEX	6.4	.250 HEX	6.4	B
1.025 MAX	26.0	.900 MAX	22.9	H

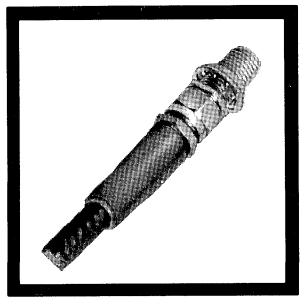




STRAIGHT BULKHEAD CABLE JACK

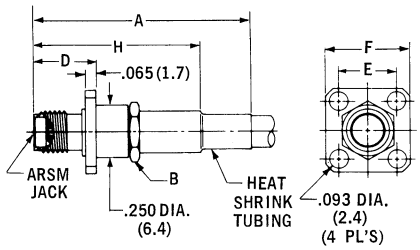
1034-7188		1034-7196		
INCHES	mm	INCHES	mm	DIM
1.400 MAX	35.6	1.400 MAX	35.6	A
.250 HEX	6.4	.250 HEX	6.4	B
.450	11.4	.450	11.4	D
1.180 MAX	30.0	1.050 MAX	26.7	H

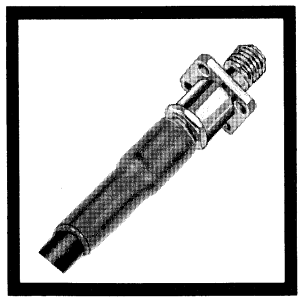




STRAIGHT PANEL CABLE JACK

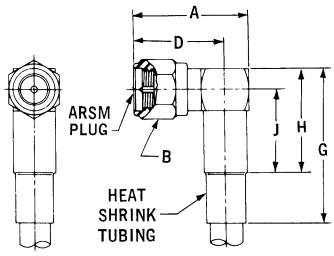
1036-7188		1036-7196		
INCHES	mm	INCHES	mm	DIM
1.240 MAX	31.5	1.240 MAX	31.5	A
.250 HEX	6.4	.250 HEX	6.4	B
.375	9.5	.375	9.5	D
.232 TYP	5.9	.232 TYP	5.9	E
.375 SQ	9.5	.375 SQ	9.5	F
1.025 MAX	26.0	.900 MAX	22.9	H

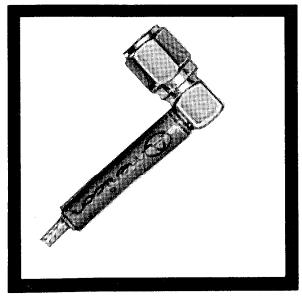




RIGHT ANGLE CABLE PLUG

1037-7188		1037-7196		
INCHES	mm	INCHES	mm	DIM
.550 MAX	14.0	.550 MAX	14.0	A
.250 HEX	6.4	.250 HEX	6.4	B
.460 MAX	11.7	.460 MAX	11.7	D
.900 MAX	22.9	.900 MAX	22.9	G
.625 MAX	15.9	.500 MAX	12.7	H
.525 MAX	13.3	.400 MAX	10.2	J



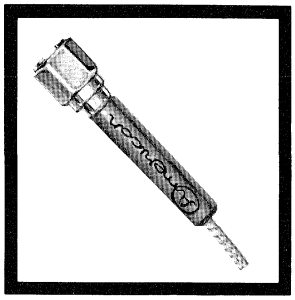


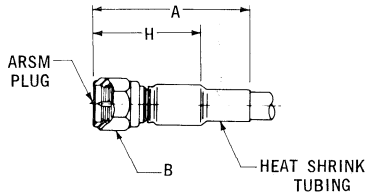
**Subminiature 75 ohm cables.

FLEXIBLE CABLE CONNECTORS
Solder Attachment Version

CABLE TYPE	
RG/U	174 179** 187** 188 316 / 178 196

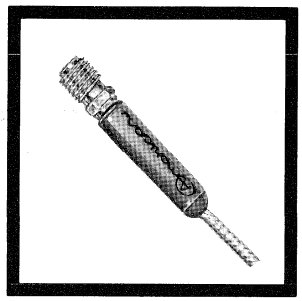
STRAIGHT CABLE PLUG

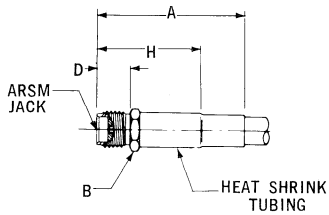




DIM	1031-5002 INCHES	1031-5002 mm	1031-5001 INCHES	1031-5001 mm
A	1.250 MAX	31.8	1.250 MAX	31.8
B	.250 HEX	6.4	.250 HEX	6.4
H	.710	18.0	.710	18.0

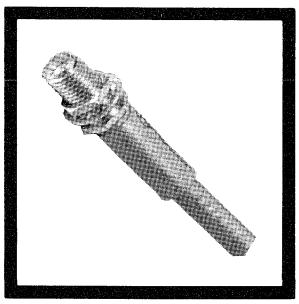
STRAIGHT CABLE JACK

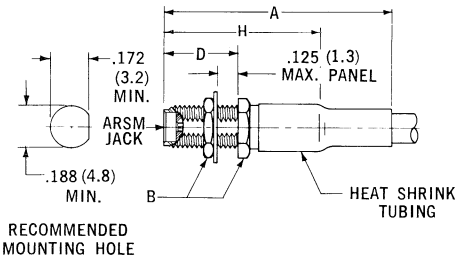




DIM	1032-5002 INCHES	1032-5002 mm	1032-5001 INCHES	1032-5001 mm
A	1.187 MAX	30.2	1.187 MAX	30.2
B	.187 HEX	4.8	.187 HEX	4.8
D	.235	6.0	.235	6.0
H	.660	16.8	.660	16.8

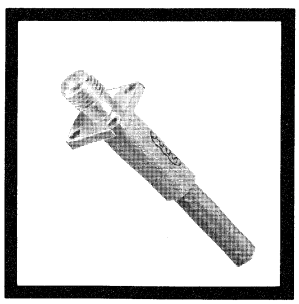
STRAIGHT BULKHEAD CABLE JACK

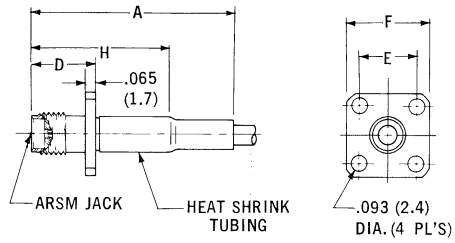




DIM	1034-5002 INCHES	1034-5002 mm	1034-5001 INCHES	1034-5001 mm
A	1.350 MAX	34.3	1.350 MAX	34.3
B	.250 HEX	6.4	.250 HEX	6.4
D	.450	11.4	.450	11.4
H	.825	21.0	.825	21.0

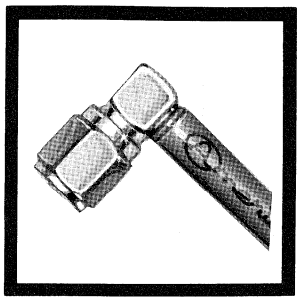
STRAIGHT PANEL CABLE JACK

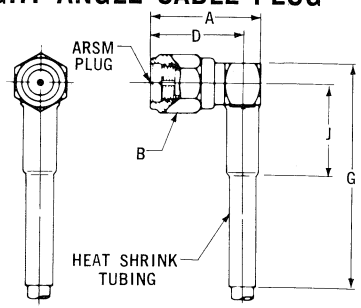




DIM	1036-5002 INCHES	1036-5002 mm	1036-5001 INCHES	1036-5001 mm
A	1.212 MAX	30.8	1.212 MAX	30.8
B	.375	9.5	.375	9.5
E	.232 TYP	5.9	.232 TYP	5.9
F	.375 SQ	9.5	.375 SQ	9.5
H	.685	17.4	.685	17.4

RIGHT ANGLE CABLE PLUG





DIM	1037-5002 INCHES	1037-5002 mm	1037-5001 INCHES	1037-5001 mm
A	.550	14.0	.550	14.0
B	.250 HEX	6.4	.250 HEX	6.4
D	.460	11.7	.460	11.7
J	1.000 MAX	25.4	1.000 MAX	25.4
G	.440	11.2	.440	11.2

**Subminiature 75 ohm cables.

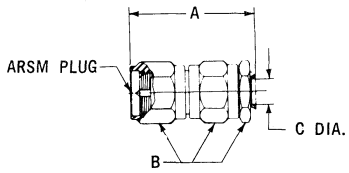
SEMI-RIGID CABLE CONNECTORS
Solder Clamp Version

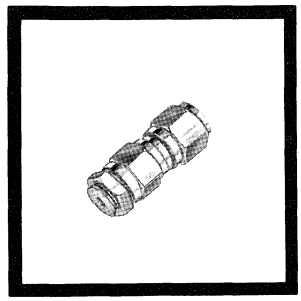
ARSM

CABLE TYPE		
.085	.070	DIA

STRAIGHT CABLE PLUG

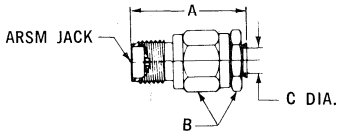
1001-7885		1001-7870		
INCHES	mm	INCHES	mm	DIM
.650 MAX	16.5	.650 MAX	16.5	A
.250 HEX	6.4	.250 HEX	6.4	B
.088 MIN	2.2	.072 MIN	1.9	C

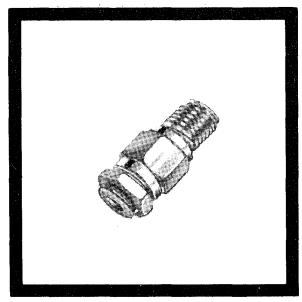




STRAIGHT CABLE JACK

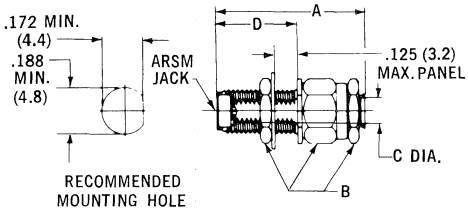
1002-7885		1002-7870		
INCHES	mm	INCHES	mm	DIM
.600 MAX	15.2	.600 MAX	15.2	A
.250 HEX	6.4	.250 HEX	6.4	B
.088 MIN	2.2	.072 MIN	1.8	C

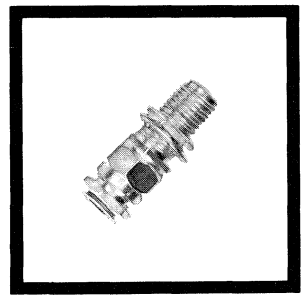




STRAIGHT BULKHEAD CABLE JACK

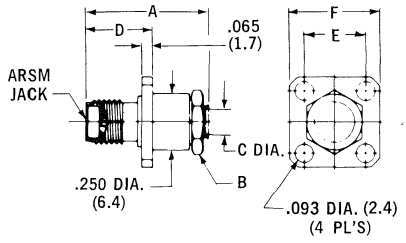
1004-7885		1004-7870		
INCHES	mm	INCHES	mm	DIM
.760 MAX	19.3	.760 MAX	19.3	A
.250 HEX	6.4	.250 HEX	6.4	B
.088 MIN	2.2	.072 MIN	1.8	C
.450	11.4	.450	11.4	D

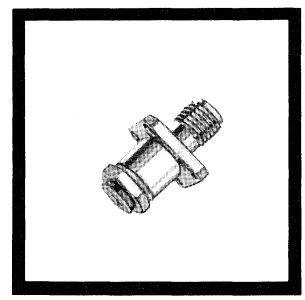




1006-7885		1006-7870		
INCHES	mm	INCHES	mm	DIM
.600 MAX	15.2	.600 MAX	15.2	A
.250 HEX	6.4	.250 HEX	6.4	B
.088 MIN	2.2	.072 MIN	1.8	C
.375	9.5	.375	9.5	D
.232 TYP	5.9	.232 TYP	5.9	E
.375 SQ	9.5	.375 SQ	9.5	F

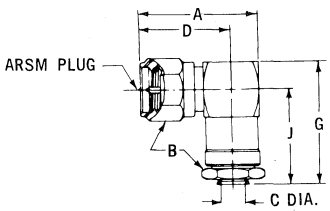
STRAIGHT PANEL CABLE JACK

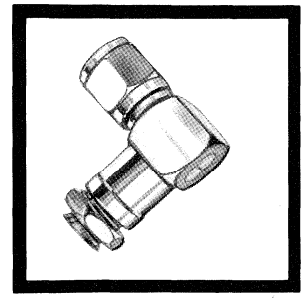




1007-7885		1007-7870		
INCHES	mm	INCHES	mm	DIM
.615 MAX	15.6	.615 MAX	15.6	A
.250 HEX	6.4	.250 HEX	6.4	B
.088 MIN	2.2	.072 MIN	1.8	C
.478	12.1	.478	12.1	D
.530 MAX	13.5	.530 MAX	13.5	G
.410 MAX	10.4	.410 MAX	10.4	J

RIGHT ANGLE CABLE PLUG



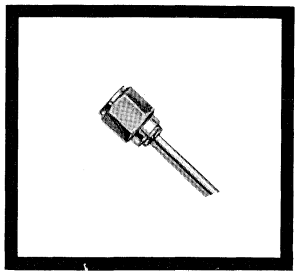


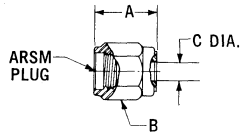
SEMI-RIGID CABLE CONNECTORS
Direct Solder Version

ARSM

DIA	CABLE TYPE .085	CABLE TYPE .070

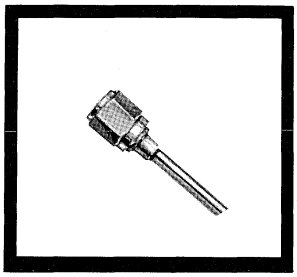
STRAIGHT CABLE PLUG (WITHOUT CENTER CONTACT)

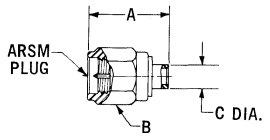




DIM	1001-7985 INCHES	1001-7985 mm
A	.330 MAX	8.4
B	.250 HEX	6.4
C	.088 MIN	2.2

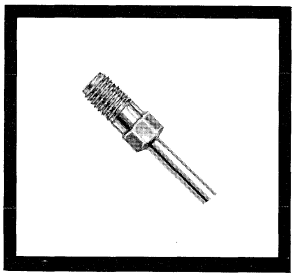
STRAIGHT CABLE PLUG (WITH CENTER CONTACT)

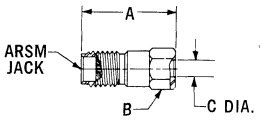




DIM	1001-5004 INCHES	1001-5004 mm	1001-7970 INCHES	1001-7970 mm
A	.447	11.4	.425 MAX	10.8
B	.250 HEX	6.4	.250 HEX	6.4
C	.088 MIN	2.2	.072 MIN	1.8

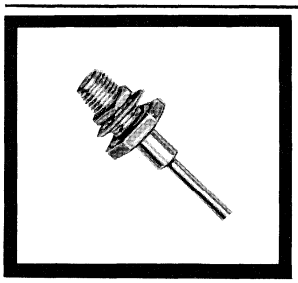
STRAIGHT CABLE JACK

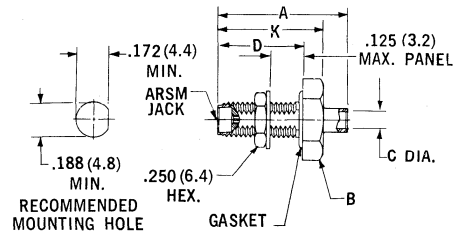




DIM	1002-7985 INCHES	1002-7985 mm	1002-7970 INCHES	1002-7970 mm
A	.500	12.7	.500	12.7
B	.187 HEX	4.8	.187 HEX	4.8
C	.088 MIN	2.2	.072 MIN	1.8

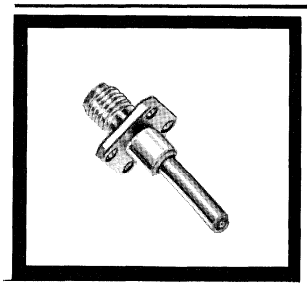
STRAIGHT BULKHEAD CABLE JACK

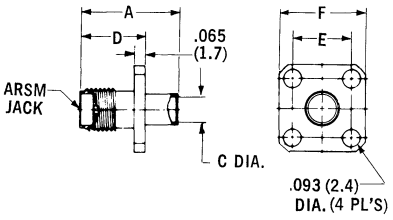




DIM	1004-7985 INCHES	1004-7985 mm	1004-7970 INCHES	1004-7970 mm
A	.685	17.4	.685	17.4
B	.375 HEX	9.5	.375 HEX	9.5
C	.088 MIN	2.2	.072 MIN	1.8
D	.450	11.4	.450	11.4
K	.555	14.1	.555	14.1

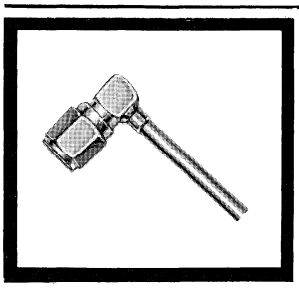
STRAIGHT PANEL CABLE JACK

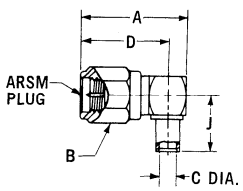




DIM	1006-7985 INCHES	1006-7985 mm	1006-7970 INCHES	1006-7970 mm
A	.500	12.7	.500	12.7
C	.088 MIN	2.2	.072	1.8
D	.375	9.5	.375	9.5
E	.232 TYP	5.9	.232 TYP	5.9
F	.375 SQ	9.5	.375 SQ	9.5

RIGHT ANGLE CABLE PLUG





DIM	1007-7985 INCHES	1007-7985 mm	1007-7970 INCHES	1007-7970 mm
A	.550	14.0	.550	14.0
B	.250 HEX	6.4	.250 HEX	6.4
C	.088 MIN	2.2	.072 MIN	1.8
D	.460	11.7	.460	11.7
J	.205	5.2	.205	5.2

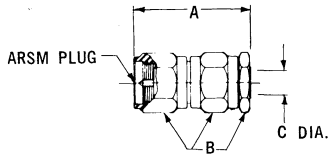
SEMI-RIGID CABLE CONNECTORS
Solderless Cable Clamp Version

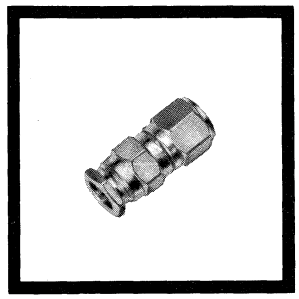
ARSM

CABLE TYPE		
.085	.070	DIA

STRAIGHT CABLE PLUG

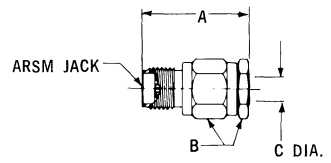
1001-7785		1001-7770		
INCHES	mm	INCHES	mm	DIM
.650 MAX	16.5	.650 MAX	16.5	A
.250 HEX	6.4	.250 HEX	6.4	B
.088 MIN	2.2	.072 MIN	1.8	C

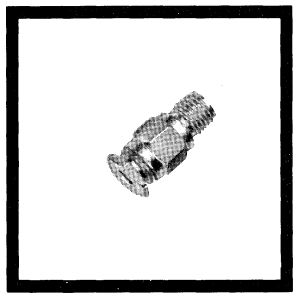




STRAIGHT CABLE JACK

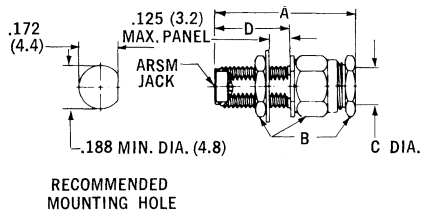
1002-7785		1002-7770		
INCHES	mm	INCHES	mm	DIM.
.600 MAX	15.2	.600 MAX	15.2	A
.250 HEX	6.4	.250 HEX	6.4	B
.088 MIN	2.2	.072 MIN	1.8	C

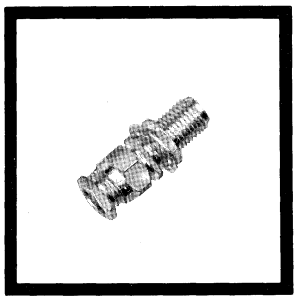




STRAIGHT BULKHEAD CABLE JACK

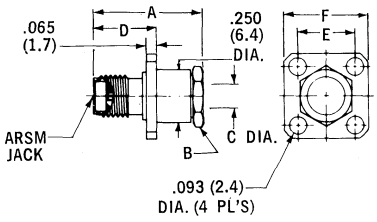
1004-7785		1004-7770		
INCHES	mm	INCHES	mm	DIM
.760 MAX	19.3	.760 MAX	19.3	A
.250 HEX	6.4	.250 HEX	6.4	B
.088 MIN	2.2	.072 MIN	1.8	C
.450	11.4	.450	11.4	D

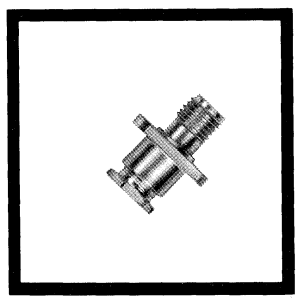




STRAIGHT PANEL CABLE JACK

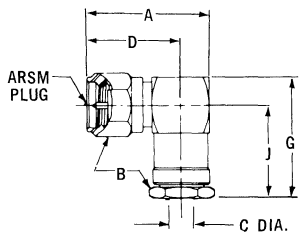
1006-7785		1006-7770		
INCHES	mm	INCHES	mm	DIM
.600 MAX	15.2	.600 MAX	15.2	A
.250 HEX	6.4	.250 HEX	6.4	B
.088 MIN	2.2	.072 MIN	1.8	C
.375	9.5	.375	9.5	D
.232 TYP	5.9	.232 TYP	5.9	E
.375 SQ	9.5	.375 SQ	9.5	F

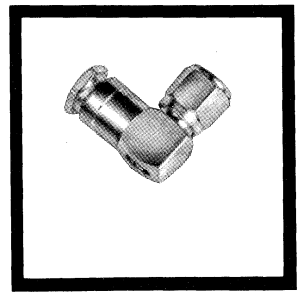




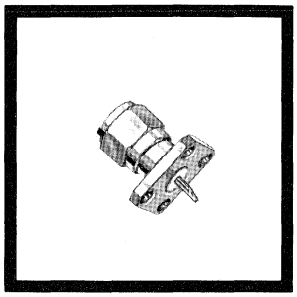
RIGHT ANGLE CABLE PLUG

1007-7785		1007-7770		
INCHES	mm	INCHES	mm	DIM
.615 MAX	15.6	.615 MAX	15.6	A
.250 HEX	6.4	.250 HEX	6.4	B
.088 MIN	2.2	.072 MIN	1.8	C
.478	12.1	.478	12.1	D
.530 MAX	13.5	.530 MAX	13.5	G
.410 MAX	10.4	.410 MAX	10.4	J

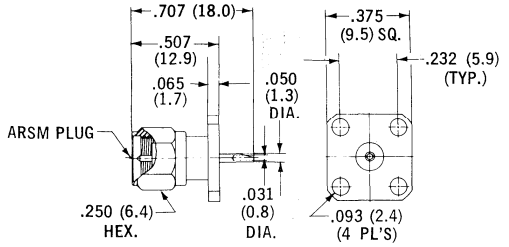




PANEL RECEPTACLES

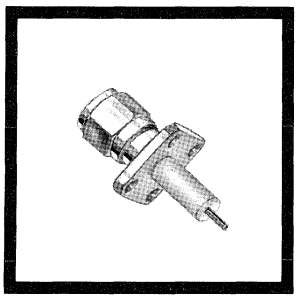


STRAIGHT PANEL PLUG RECEPTACLE

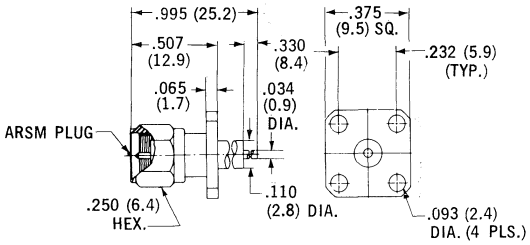


1051-0000

CAPTIVATED CENTER CONDUCTOR-SOLDER POT



STRAIGHT PANEL PLUG TERMINAL RECEPTACLE

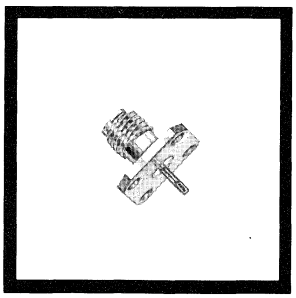


1051-1200

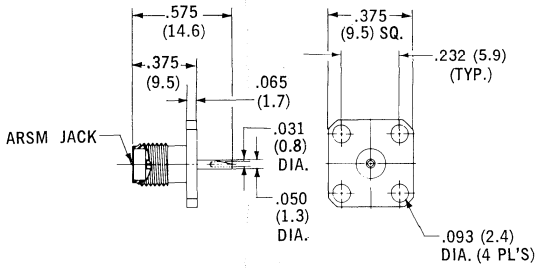
NON-CAPTIVATED CENTER CONDUCTOR

1051-1201

CAPTIVATED CENTER CONDUCTOR

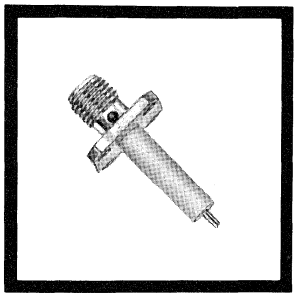


STRAIGHT PANEL JACK RECEPTACLE

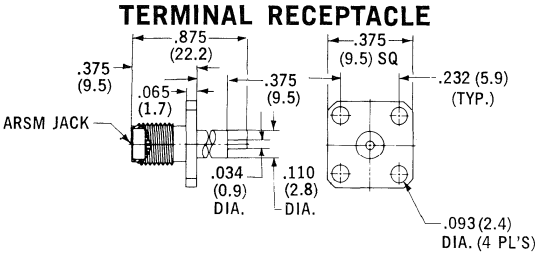


1052-0000

CAPTIVATED CENTER CONDUCTOR-SOLDER POT



STRAIGHT PANEL JACK TERMINAL RECEPTACLE



1052-1200

NON-CAPTIVATED CENTER CONDUCTOR

1052-1201

CAPTIVATED CENTER CONDUCTOR

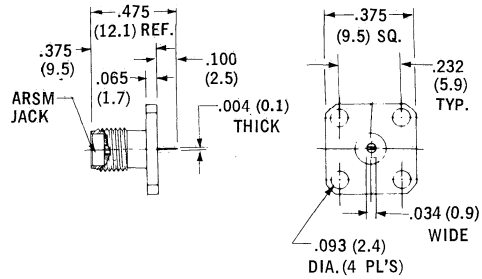
PANEL RECEPTACLES

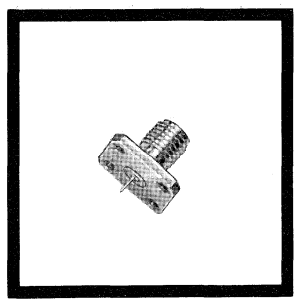
ARSM

1052-5004
NON-CAPTIVATED
CENTER CONDUCTOR-TAB

1052-5005
CAPTIVATED CENTER
CONDUCTOR-TAB

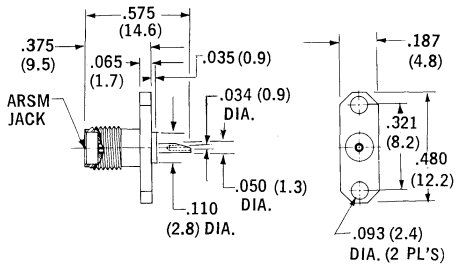
STRAIGHT PANEL JACK RECEPTACLE

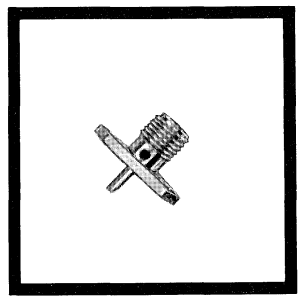




1052-1300
CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

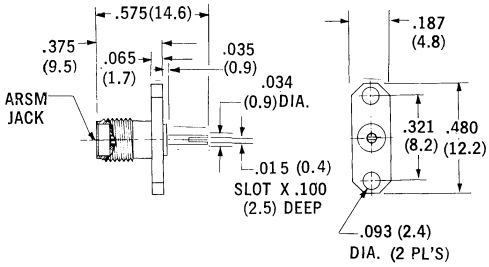
STRAIGHT TWO HOLE PANEL JACK RECEPTACLE

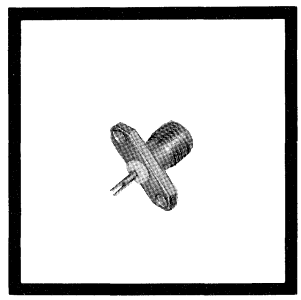




1052-1301
NON-CAPTIVATED
CENTER CONDUCTOR
SLOTTED

STRAIGHT TWO HOLE PANEL JACK RECEPTACLE

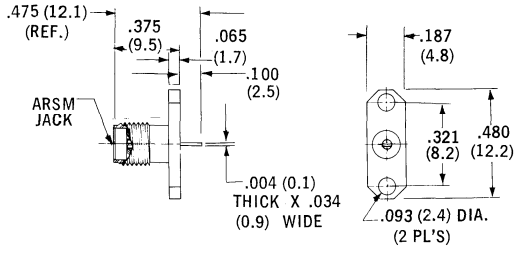


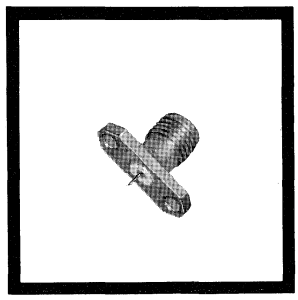


1052-1302
NON-CAPTIVATED
CENTER CONDUCTOR-TAB

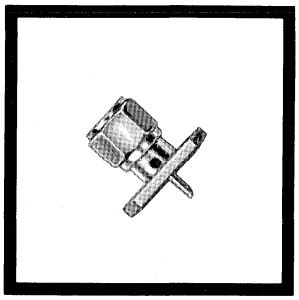
1052-1303
CAPTIVATED CENTER
CONDUCTOR-TAB

STRAIGHT TWO HOLE PANEL JACK RECEPTACLE

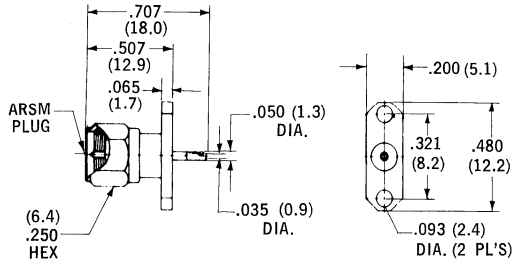




PANEL RECEPTACLES

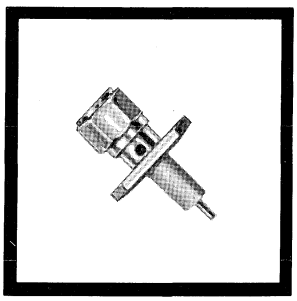


STRAIGHT TWO HOLE PANEL PLUG RECEPTACLE

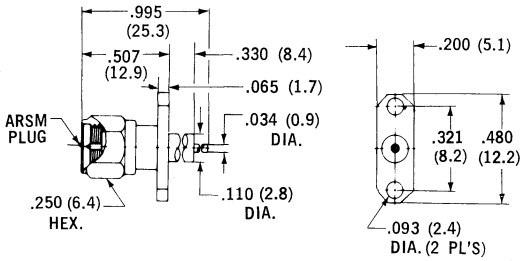


1051-1350 * *

CAPTIVATED CENTER CONDUCTOR-SOLDER POT



STRAIGHT TWO HOLE PANEL PLUG TERMINAL RECEPTACLE

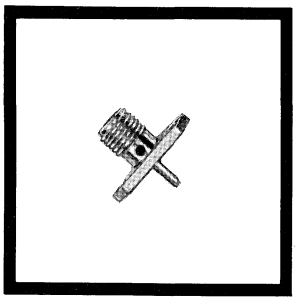


1051-1351

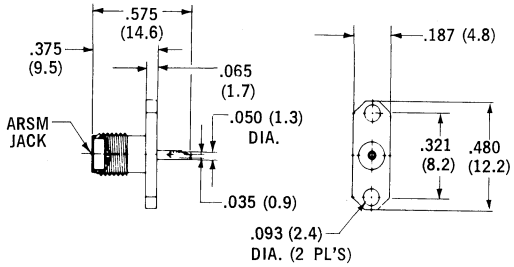
NON-CAPTIVATED CENTER CONDUCTOR

1051-1352

CAPTIVATED CENTER CONDUCTOR

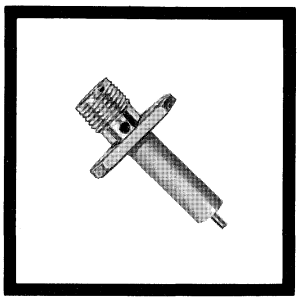


STRAIGHT TWO HOLE PANEL JACK RECEPTACLE

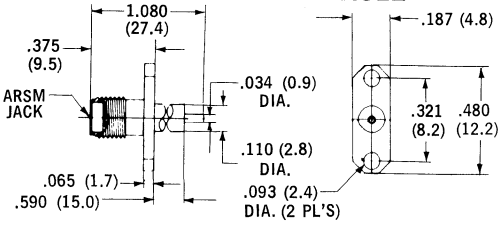


1052-1350 * *

CAPTIVATED CENTER CONDUCTOR SOLDER POT



STRAIGHT TWO HOLE PANEL JACK TERMINAL RECEPTACLE



1052-1351

NON-CAPTIVATED CENTER CONDUCTOR

1052-1352

CAPTIVATED CENTER CONDUCTOR

** These parts are available in tab, slotted stub, stub and solder pot versions.

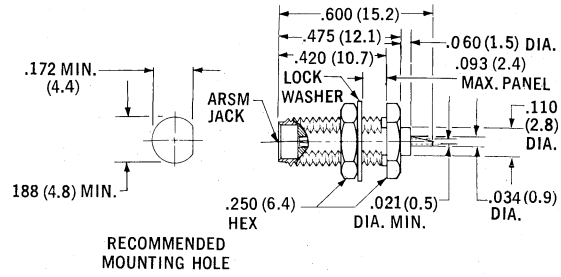
RECEPTACLES

ARSM

1056-0000

CAPTIVATED CENTER
CONDUCTOR-SOLDER-POT
(THREADS FRONT)

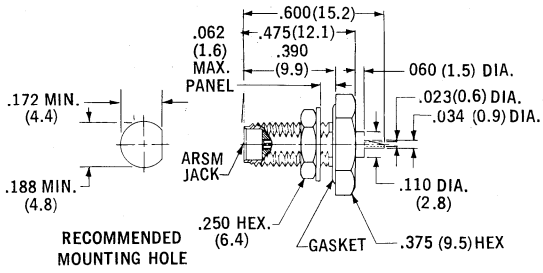
STRAIGHT BULKHEAD JACK RECEPTACLE



1056-1100

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT
(WITH GASKET)
(THREADS FRONT)

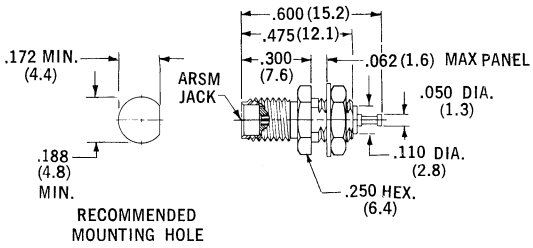
STRAIGHT BULKHEAD JACK RECEPTACLE



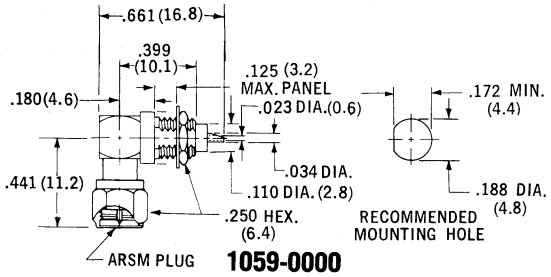
1058-0000

CAPTIVATED CENTER
CONDUCTOR-TURRET
(THREADS REAR)

STRAIGHT BULKHEAD JACK RECEPTACLE

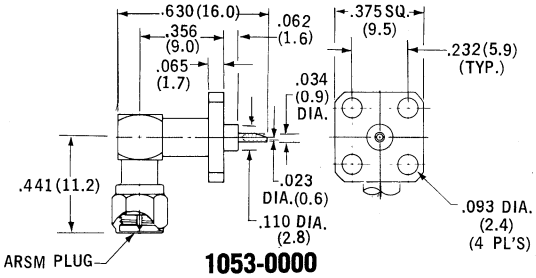


RIGHT ANGLE BULKHEAD PLUG RECEPTACLE

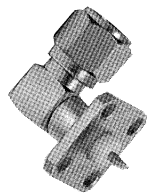


1059-0000

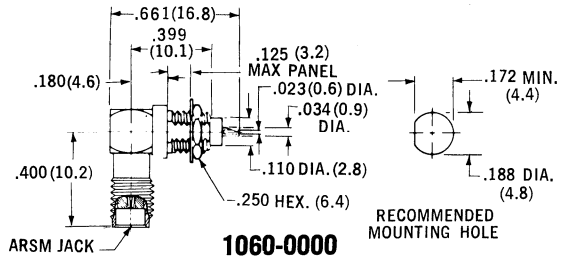
RIGHT ANGLE PLUG RECEPTACLE



1053-0000

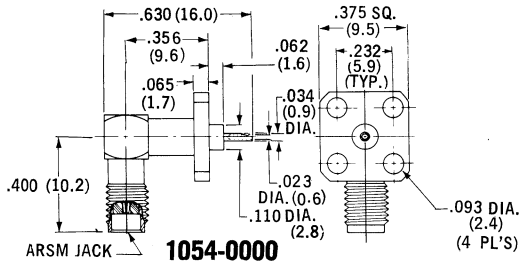


RIGHT ANGLE BULKHEAD JACK RECEPTACLE



1060-0000

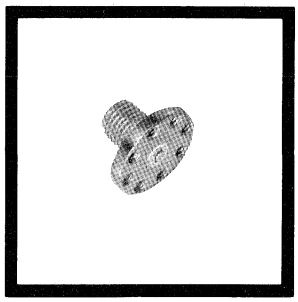
RIGHT ANGLE JACK RECEPTACLE

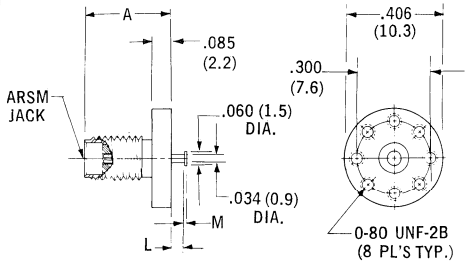


1054-0000

STRIPLINE CONNECTORS
Surface Launcher Type

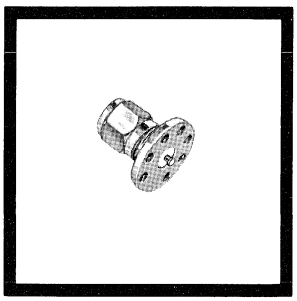
STRAIGHT SURFACE LAUNCHED JACK

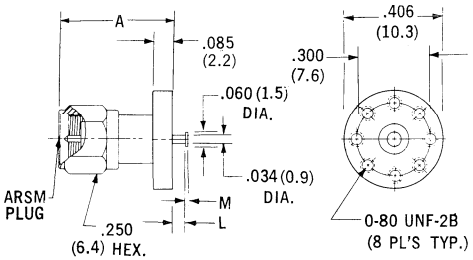




	STRIPLINE SIZE			
	1/16		1/8	
DIM	1066-1321		1066-1322	
	INCHES	mm	INCHES	mm
A	.360	9.1	.360	9.1
L	.031	0.8	.063	1.6
M	.010	0.3	.010	0.3

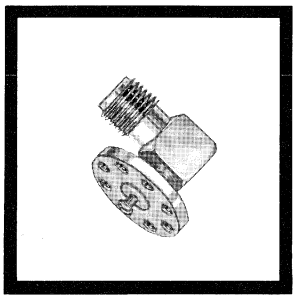
STRAIGHT SURFACE LAUNCHED PLUG

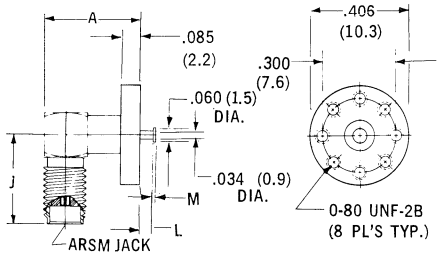




DIM	1067-1321		1067-1322	
	INCHES	mm	INCHES	mm
A	.507	12.9	.507	12.9
L	.031	0.8	.063	1.6
M	.010	0.3	.010	0.3

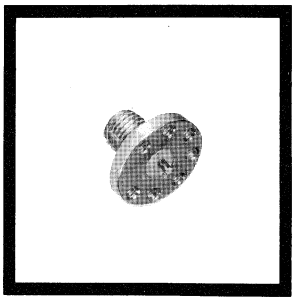
RIGHT ANGLE SURFACE LAUNCHED JACK

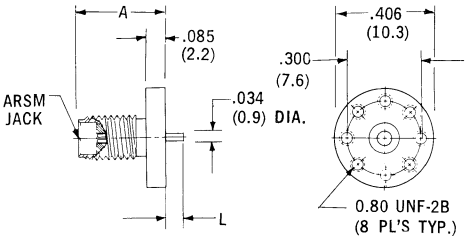




DIM	1068-1321		1068-1322	
	INCHES	mm	INCHES	mm
A	.400	10.2	.400	10.2
L	.031	0.8	.063	1.6
M	.010	0.3	.010	0.3
J	.400	10.2	.400	10.2

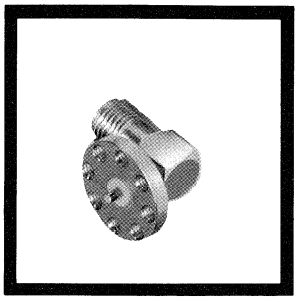
STRAIGHT SURFACE LAUNCHED JACK

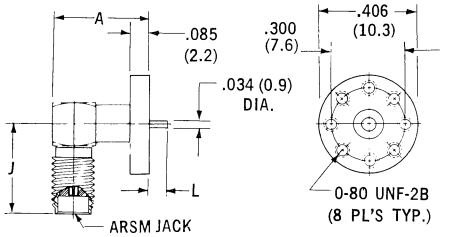




DIM	1066-5003		1066-5004	
	INCHES	mm	INCHES	mm
A	.360	9.1	.360	9.1
L	.042	1.1	.074	1.9

.RIGHT ANGLE SURFACE LAUNCHED JACK





DIM	1068-5005		1068-5006	
	INCHES	mm	INCHES	mm
A	.400	10.2	.400	10.2
L	.042	1.1	.074	1.9
J	.400	10.2	.400	10.2

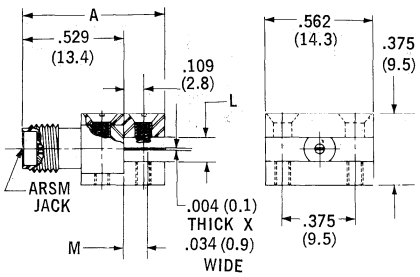
STRIPLINE CONNECTORS
End Launcher Type

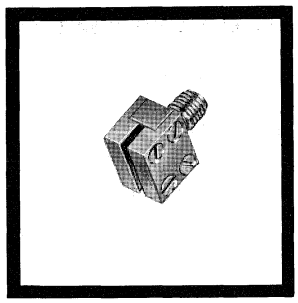
ARSM

STRIPLINE SIZE	
1/16	1/8

STRAIGHT END LAUNCHED JACK

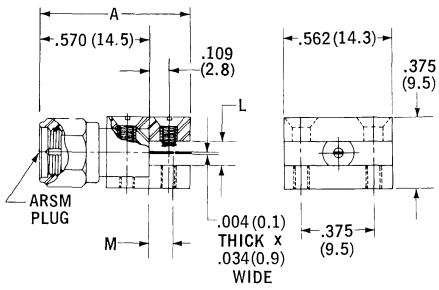
1070-1401		1070-1402		
INCHES	mm	INCHES	mm	DIM
.750	19.0	.750	19.0	A
.063	1.6	.125	3.2	L
.125	3.2	.125	3.2	M

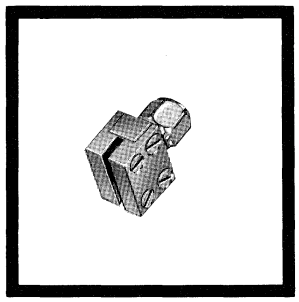




STRAIGHT END LAUNCHED PLUG

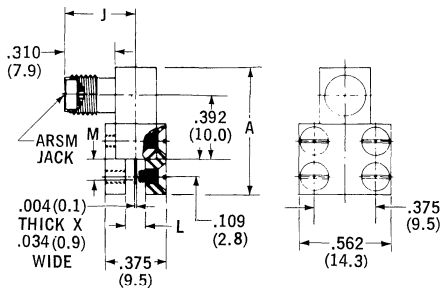
1071-1401		1071-1402		
INCHES	mm	INCHES	mm	DIM
.788	20.0	.788	20.0	A
.063	1.6	.125	3.2	L
.125	3.2	.125	3.2	M

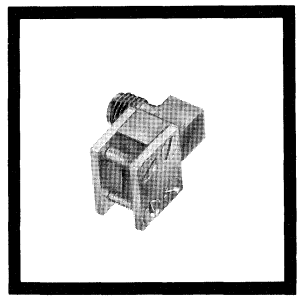




RIGHT ANGLE END LAUNCHED JACK

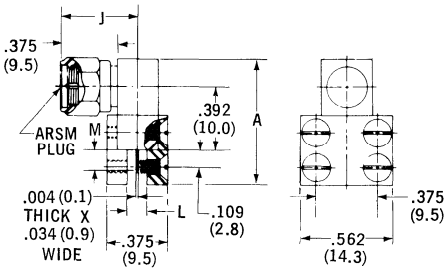
1072-1401		1072-1402		
INCHES	mm	INCHES	mm	DIM
.780	19.8	.780	19.8	A
.435	11.1	.435	11.1	J
.063	1.6	.125	3.2	L
.125	3.2	.125	3.2	M

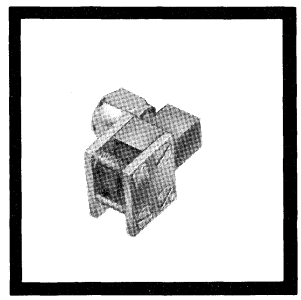




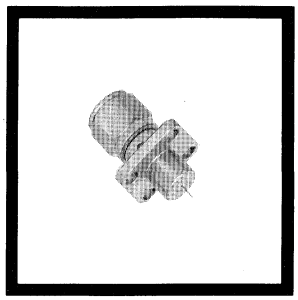
RIGHT ANGLE END LAUNCHED PLUG

1073-1401		1073-1402		
INCHES	mm	INCHES	mm	DIM
.780	19.8	.780	19.8	A
.500	12.7	.500	12.7	J
.063	1.6	.125	3.2	L
.125	3.2	.125	3.2	M

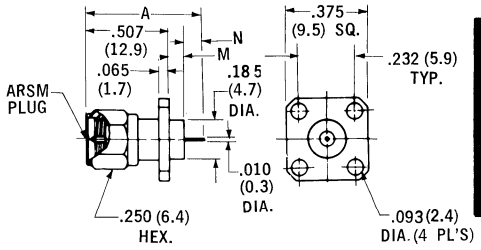




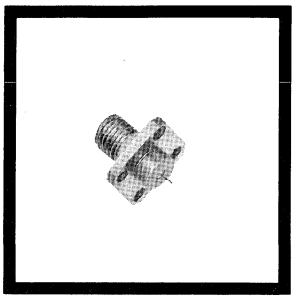
MICROSTRIP TRANSITIONS
Rod Contact Type



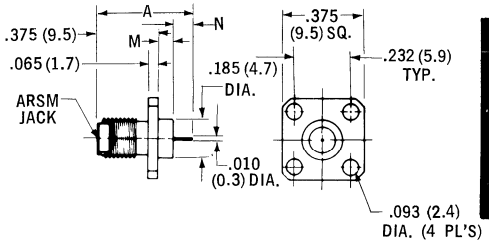
PANEL MOUNTED PLUG



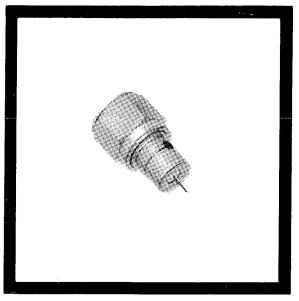
DIM	1051-1121		1051-1122		1051-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.715 (REF)	18.2	.747 (REF)	19.0	.809 (REF)	20.6
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9



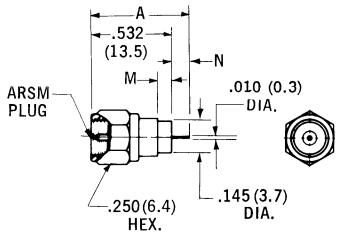
PANEL MOUNTED JACK



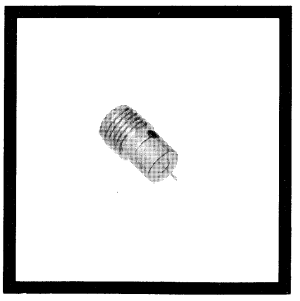
DIM	1052-1121		1052-1122		1052-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.583 (REF)	14.8	.615 (REF)	15.6	.677 (REF)	17.2
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9



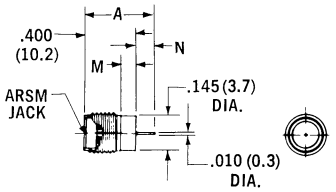
BULKHEAD PLUG-REAR MOUNT



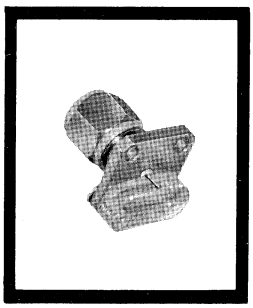
DIM	1057-1121		1057-1122		1057-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.647 (REF)	16.4	.647 (REF)	16.4	.647 (REF)	16.4
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9



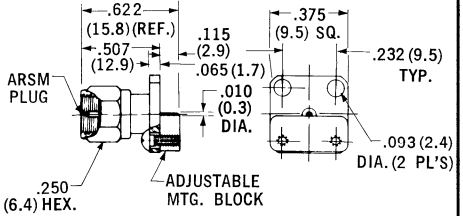
BULKHEAD JACK-REAR MOUNT



DIM	1058-1121		1058-1122		1058-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.515 (REF)	13.1	.515 (REF)	13.1	.515 (REF)	13.1
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9

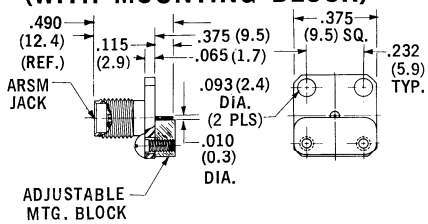


PANEL MOUNTED PLUG (WITH MOUNTING BLOCK)

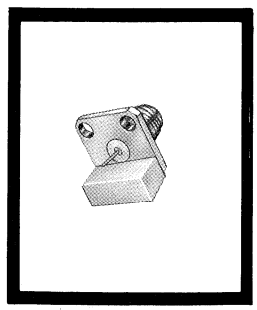


1051-1120

PANEL MOUNTED JACK (WITH MOUNTING BLOCK)



1052-1120

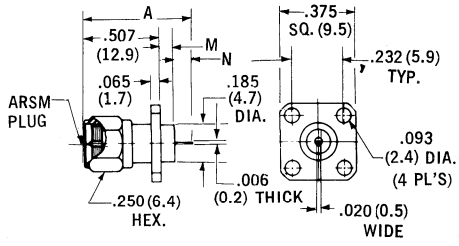


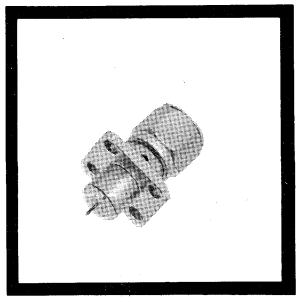
MICROSTRIP TRANSITIONS
Tab Contact Type

ARSM

PANEL MOUNTED PLUG

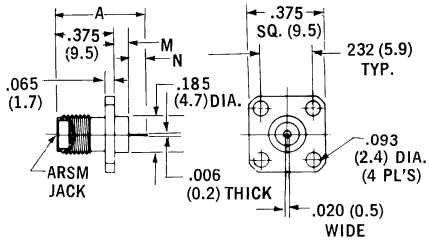
1051-1131		1051-1132		1051-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.700 (REF)	17.8	.732 (REF)	18.6	.794 (REF)	20.2	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N

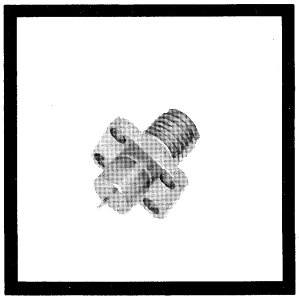




PANEL MOUNTED JACK

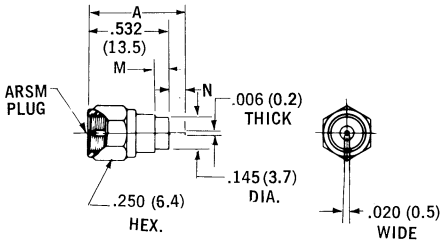
1052-1131		1052-1132		1052-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.568 (REF)	14.5	.600 (REF)	15.2	.662 (REF)	16.8	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N

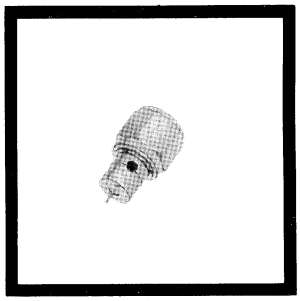




BULKHEAD PLUG-REAR MOUNT

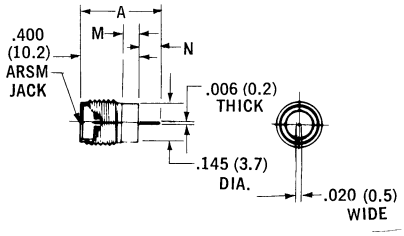
1057-1131		1057-1132		1057-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.632 (REF)	16.1	.632 (REF)	16.1	.632 (REF)	16.1	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N

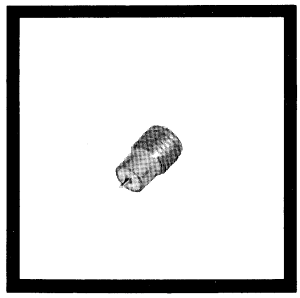


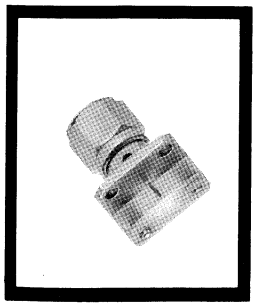


BULKHEAD JACK-REAR MOUNT

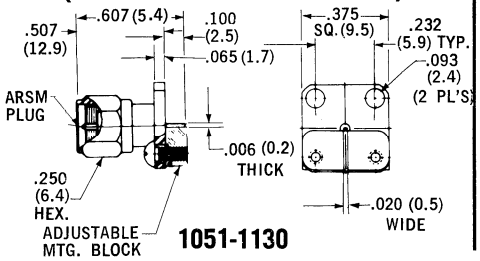
1058-1131		1058-1132		1058-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.500 (REF)	12.7	.500 (REF)	12.7	.500 (REF)	12.7	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N





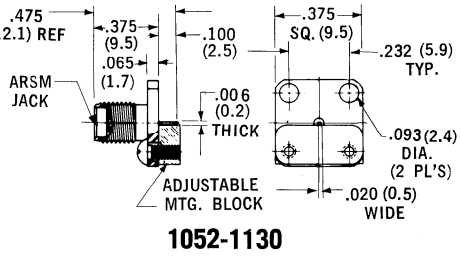


PANEL MOUNTED PLUG (WITH MOUNTING BLOCK)

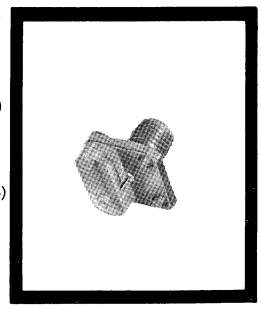


1051-1130

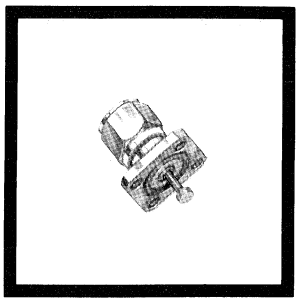
PANEL MOUNTED JACK (WITH MOUNTING BLOCK)



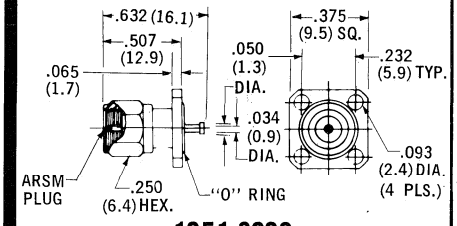
1052-1130



ARSM HERMETICALLY SEALED RECEPTACLES

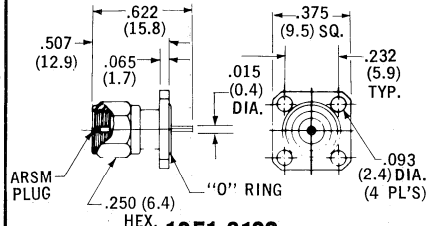


STRAIGHT PANEL PLUG RECEPTACLE

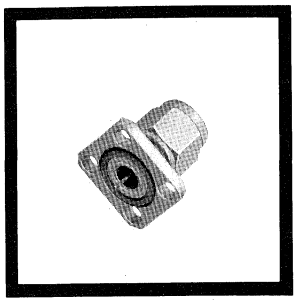


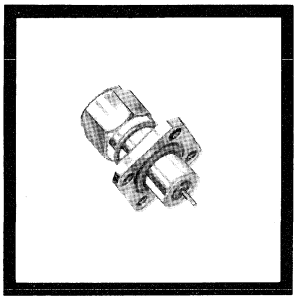
1051-3000

STRAIGHT PANEL PLUG RECEPTACLE

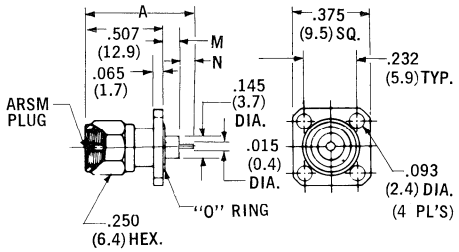


1051-3100

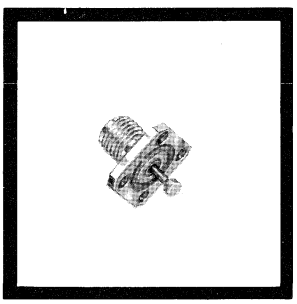




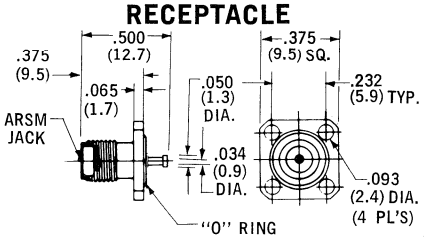
STRAIGHT PANEL PLUG RECEPTACLE



DIM	1051-3121		1051-3122		1051-3123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.715 (REF)	18.2	.747 (REF)	19.0	.809 (REF)	20.6
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9

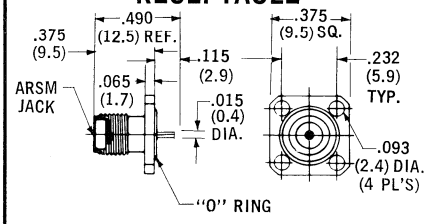


STRAIGHT PANEL JACK RECEPTACLE

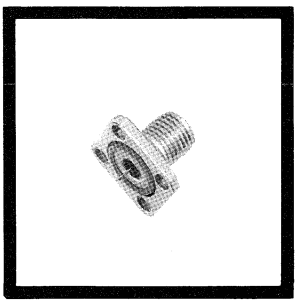


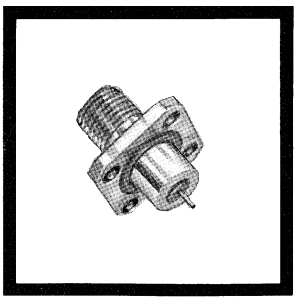
1052-3000

STRAIGHT PANEL JACK RECEPTACLE

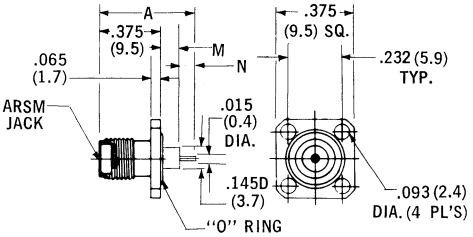


1052-3100

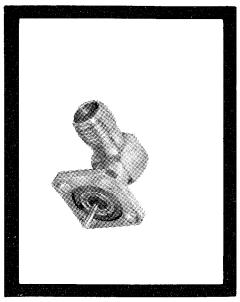




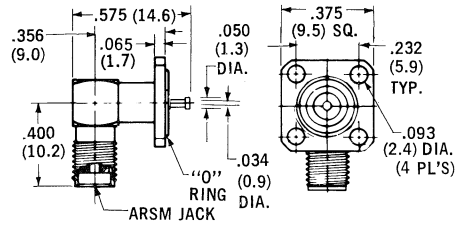
STRAIGHT PANEL JACK RECEPTACLE



DIM	1052-3121		1052-3122		1052-3123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.583 (REF)	14.8	.615 (REF)	15.6	.677 (REF)	17.2
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9

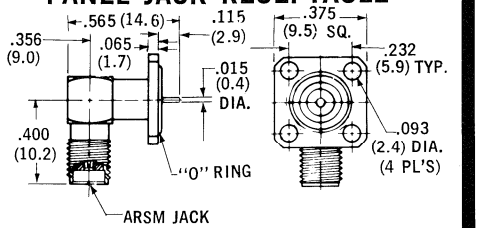


RIGHT ANGLE PANEL JACK RECEPTACLE

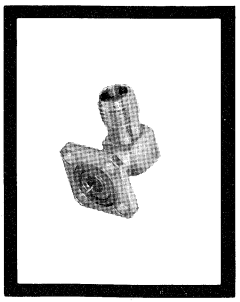


1054-3000

RIGHT ANGLE PANEL JACK RECEPTACLE

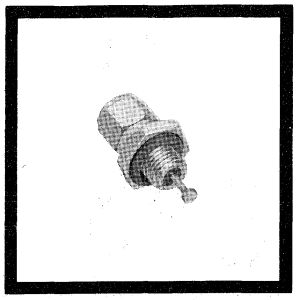


1054-3100

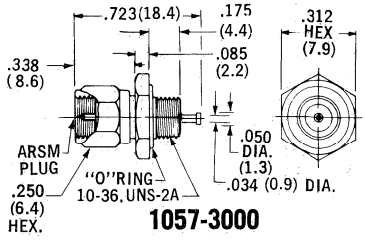


HERMETICALLY SEALED RECEPTACLES

ARSM

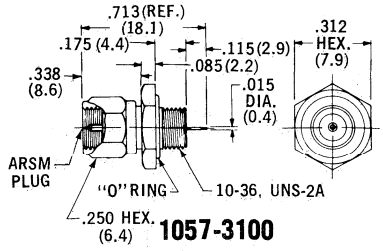


STRAIGHT BULKHEAD PLUG RECEPTACLE (THREADS REAR)

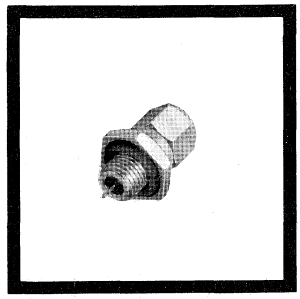


1057-3000

STRAIGHT BULKHEAD PLUG RECEPTACLE (THREADS REAR)

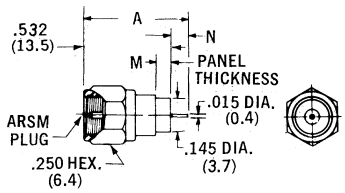


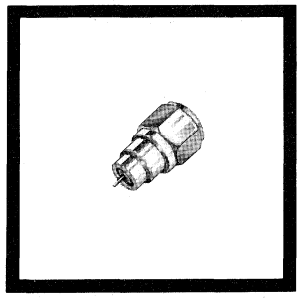
1057-3100

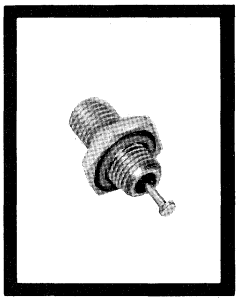


1057-3121		1057-3122		1057-3123		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.647 (REF)	16.4	.647 (REF)	16.4	.647 (REF)	16.4	A
.093	2.4	.125	3.2	.187	4.8	M
.115	2.9	.115	2.9	.115	2.9	N

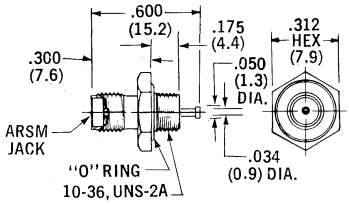
STRAIGHT BULKHEAD PLUG RECEPTACLE (REAR MOUNT)





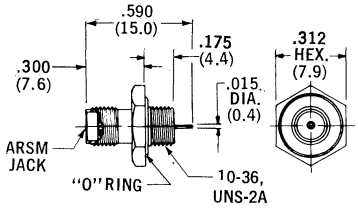


STRAIGHT BULKHEAD JACK RECEPTACLE (THREADS REAR)

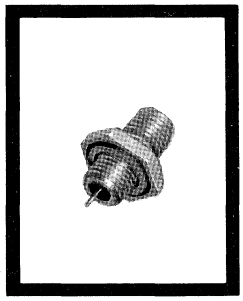


1058-3000

STRAIGHT BULKHEAD JACK RECEPTACLE (THREADS REAR)

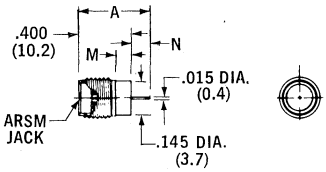


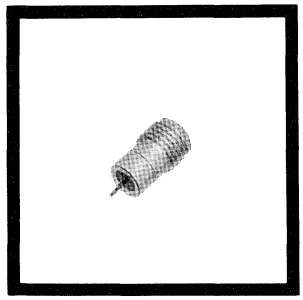
1058-3100

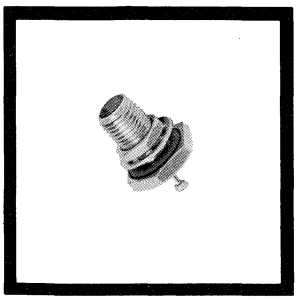


1058-3121		1058-3122		1058-3123		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.515 (REF)	13.1	.515 (REF)	13.1	.515 (REF)	13.1	A
.093	2.4	.125	3.2	.187	4.8	M
.115	2.9	.115	2.9	.115	2.9	N

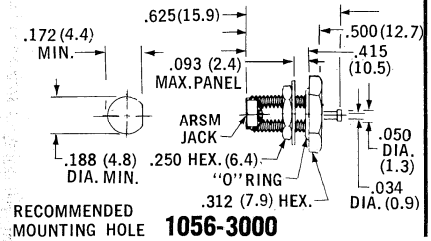
STRAIGHT BULKHEAD JACK RECEPTACLE (REAR MOUNT)





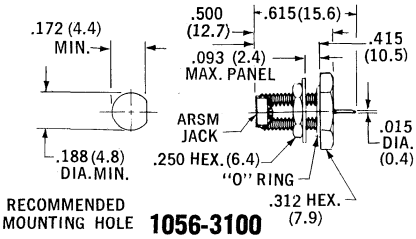


STRAIGHT BULKHEAD JACK RECEPTACLE (THREADS FRONT)

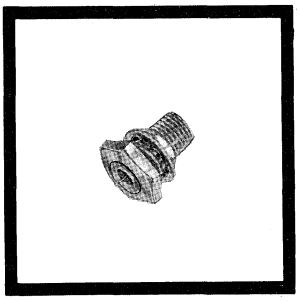


1056-3000

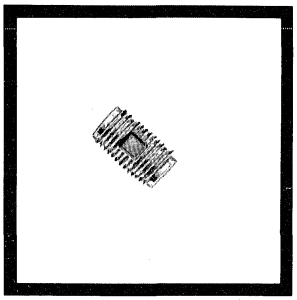
STRAIGHT BULKHEAD JACK RECEPTACLE (THREADS FRONT)

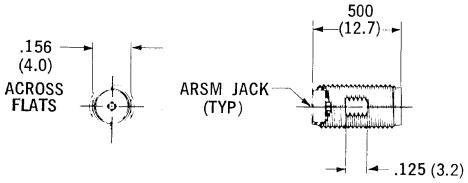


1056-3100



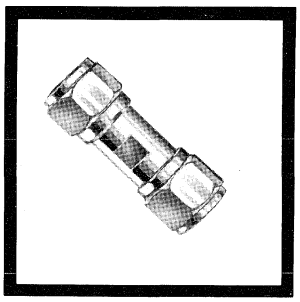
IN SERIES ADAPTERS

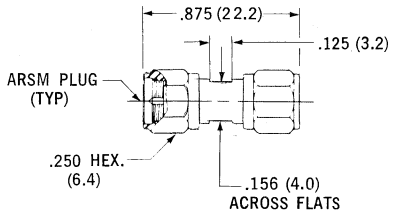




1080-0000

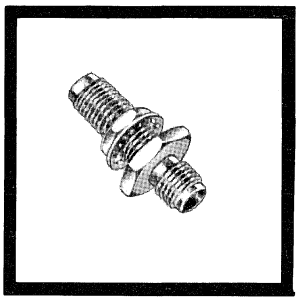
JACK TO JACK
ADAPTER

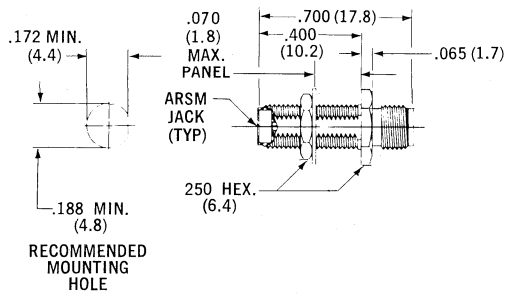




1081-0000

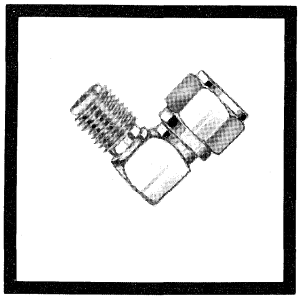
PLUG TO PLUG
ADAPTER

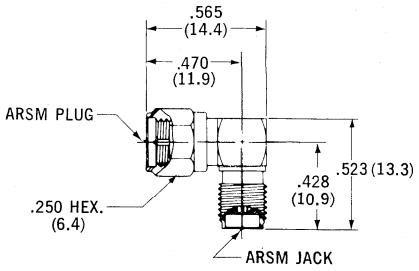




1084-0000

BULKHEAD FEEDTHRU
JACK TO JACK
ADAPTER

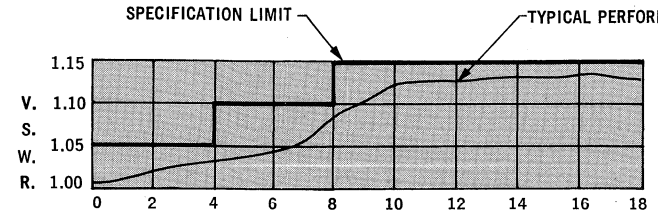


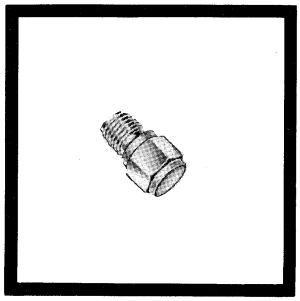


1088-0000

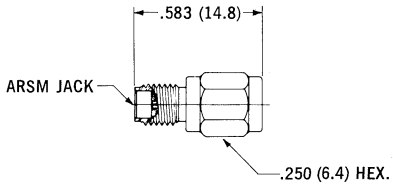
RIGHT ANGLE
JACK TO PLUG
ADAPTER

PRECISION TERMINATIONS



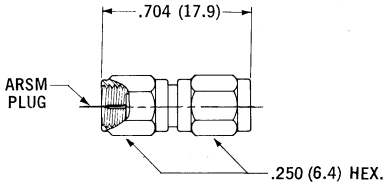


JACK TERMINATION

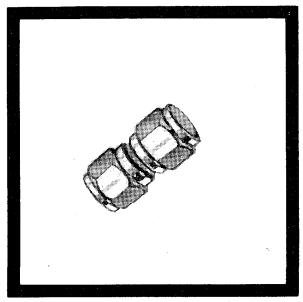


1020-6100

PLUG TERMINATION

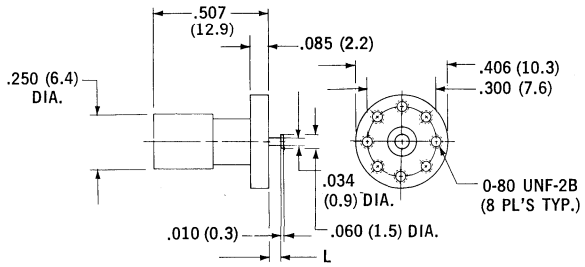


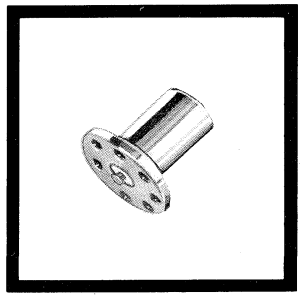
1021-6100



SURFACE LAUNCHED TERMINATION

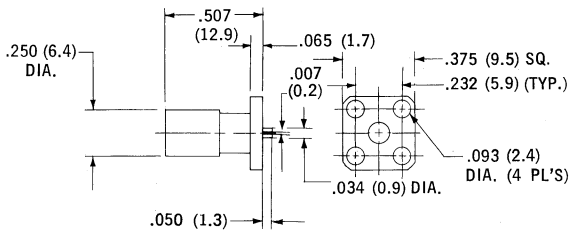
PART NUMBER	DIM L INCHES	DIM L mm	STRIPLINE SIZE
1066-6111	.031	0.8	1/16
1066-6112	.063	1.6	1/8

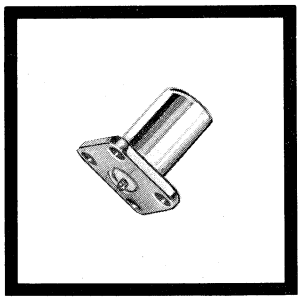




1070-6120

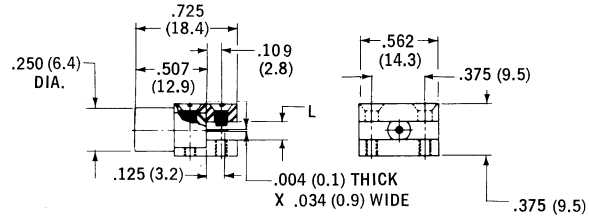
PANEL MOUNTED TERMINATION

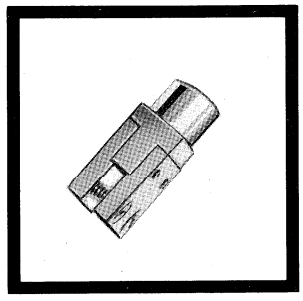




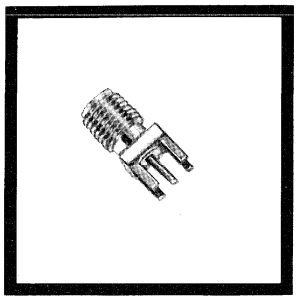
END LAUNCHED TERMINATION

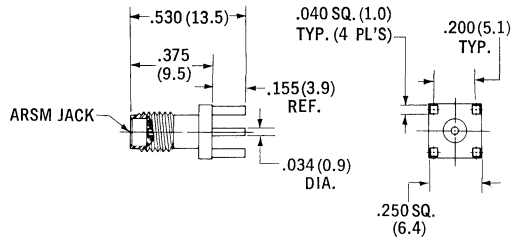
PART NUMBER	DIM L INCHES	DIM L mm	STRIPLINE SIZE
1070-6111	.063	1.6	1/16
1070-6112	.125	3.2	1/8





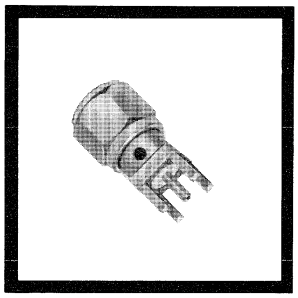
ARSM PRINTED WIRING BOARD RECEPTACLES

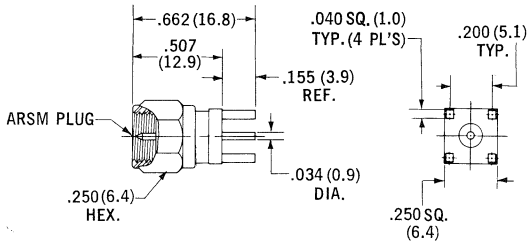




1062-0000

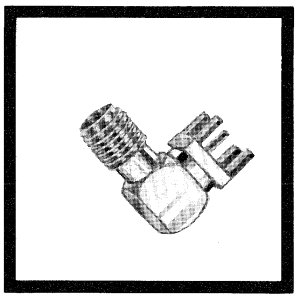
STRAIGHT
PRINTED WIRING BOARD
JACK

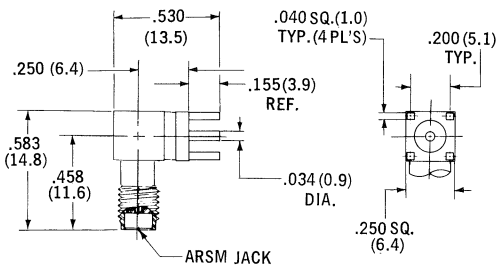




1063-0000

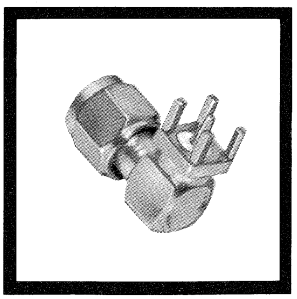
STRAIGHT
PRINTED WIRING BOARD
PLUG

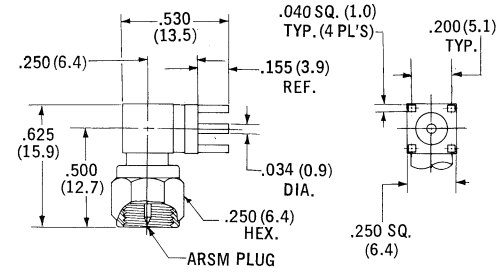




1064-0000

RIGHT ANGLE
PRINTED WIRING BOARD
JACK





1065-0000

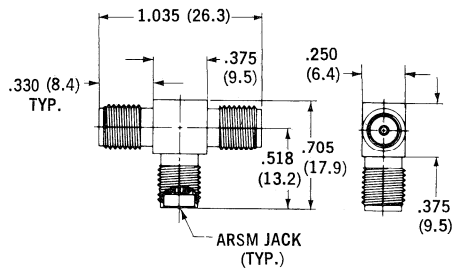
RIGHT ANGLE
PRINTED WIRING BOARD
PLUG

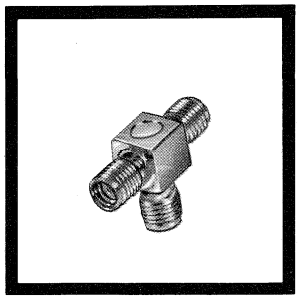
POWER DIVIDERS-UNMATCHED

ARSM

1089-0000

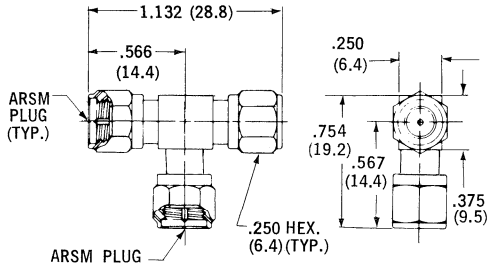
JACK-JACK-JACK
ADAPTER

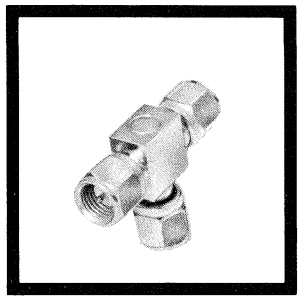




1090-0000

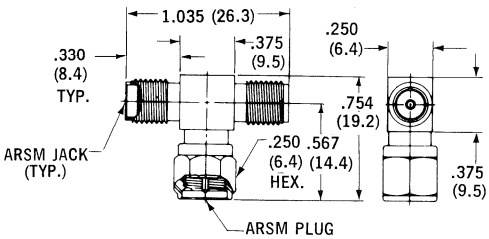
PLUG-PLUG-PLUG
ADAPTER

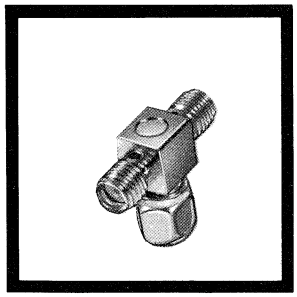




1091-0000

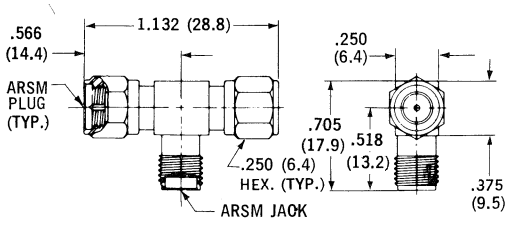
JACK-PLUG-JACK
ADAPTER

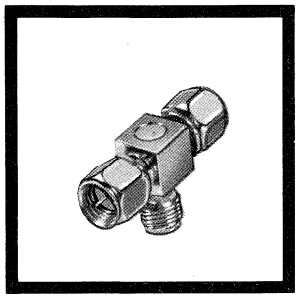




1092-0000

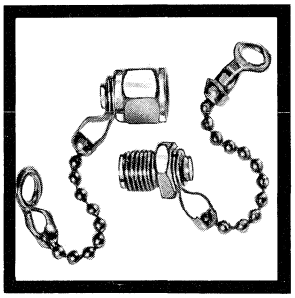
PLUG-JACK-PLUG
ADAPTER





SHORTS AND DUST CAPS

SHORTS AND DUST CAPS



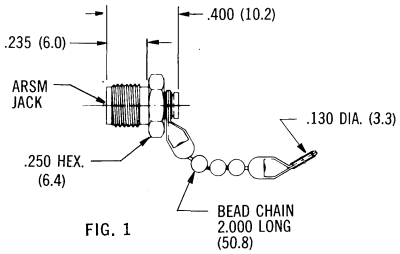


FIG. 1

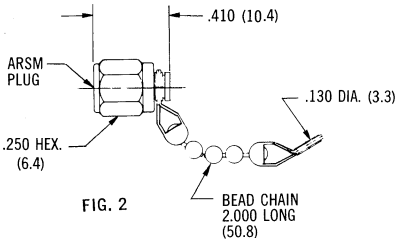
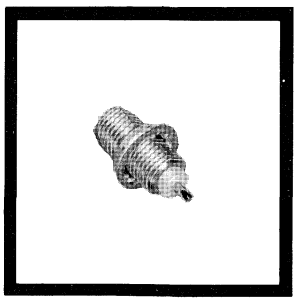


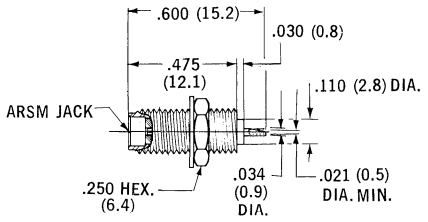
FIG. 2

1020-1310	DUST CAP WITH CHAIN FOR PLUG CONNECTORS	FIG 1
1021-1310	DUST CAP WITH CHAIN FOR JACK CONNECTORS	FIG 2
1020-1314	JACK SHORT WITHOUT CHAIN	FIG 1
1020-1312	JACK SHORT WITH CHAIN	FIG 1
1021-1314	PLUG SHORT WITHOUT CHAIN	FIG 2
1021-1312	PLUG SHORT WITH CHAIN	FIG 2

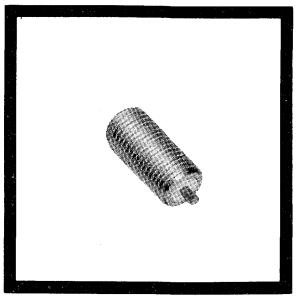
SPECIAL RECEPTACLES



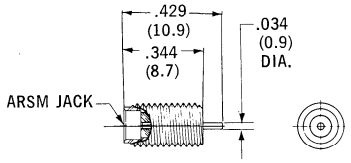
STRAIGHT BULKHEAD JACK RECEPTACLE



1058-5002
CAPTIVATED CENTER CONDUCTOR-SOLDER POT



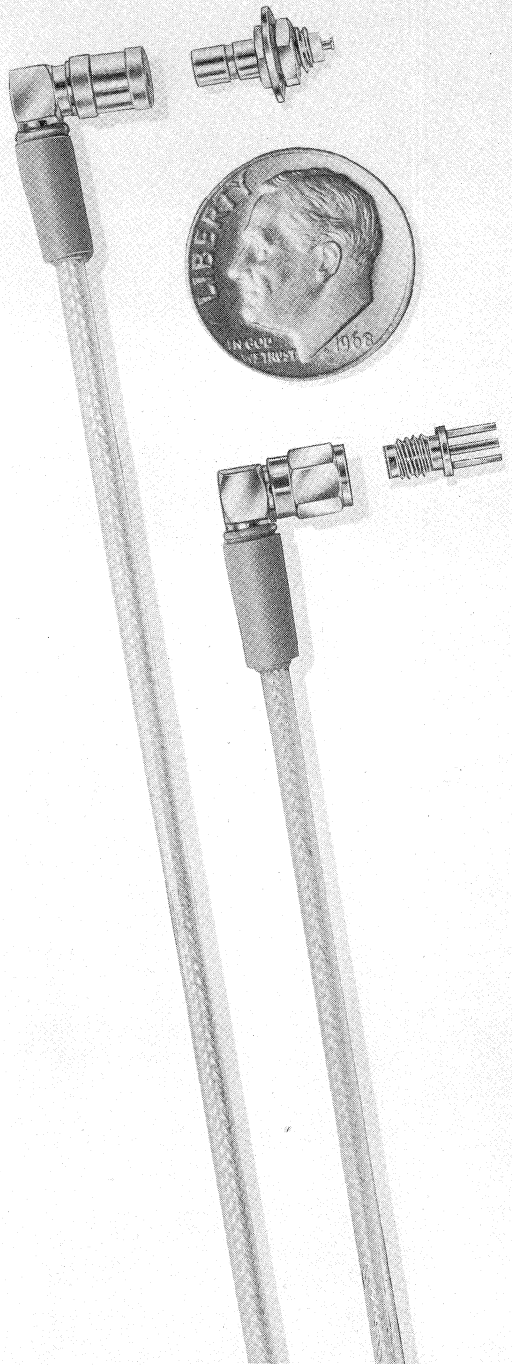
STRAIGHT BULKHEAD JACK RECEPTACLE



1058-5003
NON-CAPTIVATED CENTER CONDUCTOR-STUB TYPE

ARMM T.M. QRMM T.M.

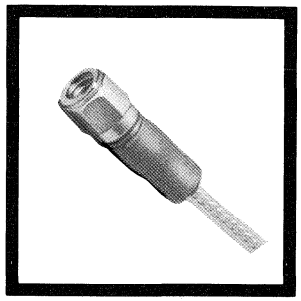
MICROMINIATURE CONNECTORS

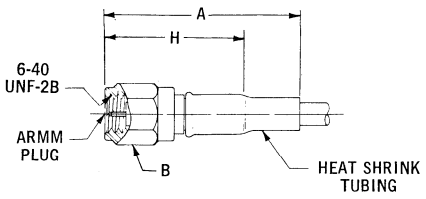


Shrinking the microwave system has become both the desirable and necessary thing to do in today's rapidly advancing microelectronic influenced industry. Americon introduces another major advancement in well matched, precision manufactured microminiature coaxial connectors. These sturdy little units of stainless steel are usable in all types of systems where space and weight are at a premium at frequencies thru 36 GHz. They are available in threaded or quick-disconnect interfaces and will accommodate a wide variety of miniature flexible and semi-rigid cables. In addition a complete assortment of receptacles for panels, bulkheads, microstrip or printed circuits are available.

MICROMINIATURE
Cable Connectors

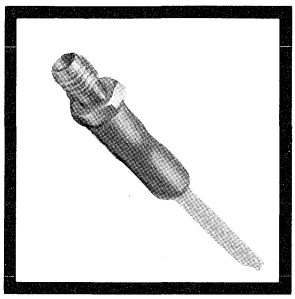
STRAIGHT CABLE PLUG

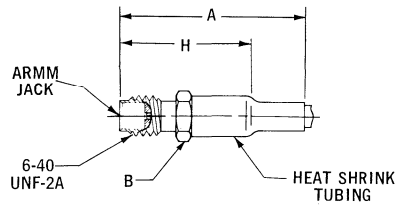




	CABLE TYPE					
	RG 196/U FLEXIBLE		.034 DIA * SEMI-RIGID		.047 DIA * SEMI-RIGID	
	CRIMP VERSION		DIRECT SOLDER		DIRECT SOLDER	
	4031-7196		4001-7934		4001-7947	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.687	17.5	*		*	
B	.187 HEX	4.8	.187 HEX	4.8	.187 HEX	4.8
H	.450	11.4	.360	9.2	.360	9.2

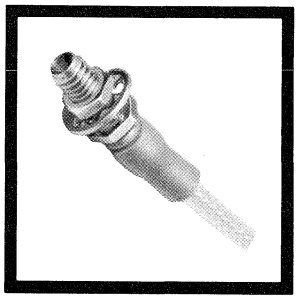
STRAIGHT CABLE JACK

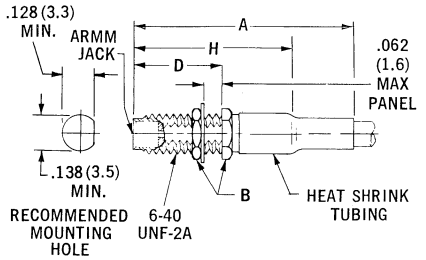




	4032-7196		4002-7934		4002-7947	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.650	16.5	*		*	
B	.187 HEX	4.8	.187 HEX	4.8	.187 HEX	4.8
H	.437	11.1	.330	8.4	.330	8.4

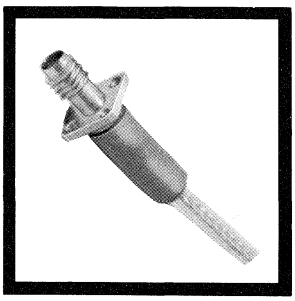
STRAIGHT BULKHEAD CABLE JACK

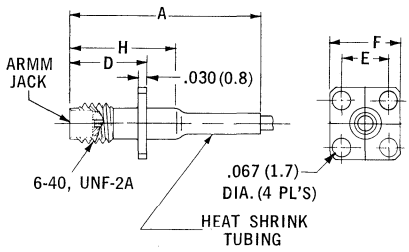




	4034-7196		4004-7934		4004-7947	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.778	19.8	*		*	
B	.187 HEX	4.8	.187 HEX	4.8	.187 HEX	4.8
D	.312	7.9	.312	7.9	.312	7.9
H	.565	14.4	.458	11.6	.458	11.6

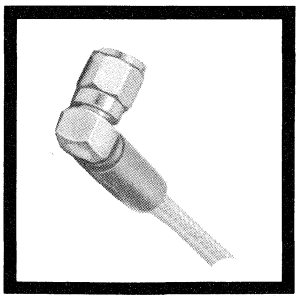
STRAIGHT PANEL CABLE JACK

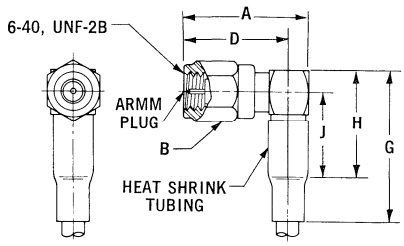




	4036-7196		4006-7934		4006-7947	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.690	17.5	*		*	
D	.270	6.9	.270	6.9	.270	6.9
E	.164 TYP	4.2	.164 TYP	4.2	.164 TYP	4.2
F	.250 SQ	6.4	.250 SQ	6.4	.250 SQ	6.4
H	.477	12.1	.370	9.5	.370	9.5

RIGHT ANGLE CABLE PLUG





	4037-7196		4007-7934		4007-7947	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.393	10.0	.393	10.0	.393	10.0
B	.187 HEX	4.8	.187 HEX	4.8	.187 HEX	4.8
D	.323	8.2	.323	8.2	.323	8.2
G	.600 MAX	15.2	*		*	
H	.363	9.2	.256	6.5	.256	6.5
J	.285	7.2	.178	4.5	.178	4.5

*Semi-rigid versions do not use heat shrink tubing.

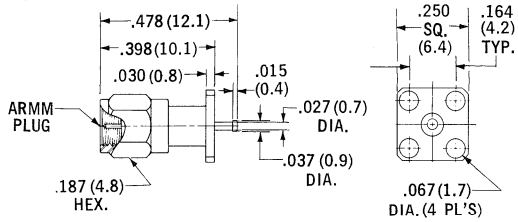
RECEPTACLES

ARMM

4051-0000

CAPTIVATED CENTER CONDUCTOR

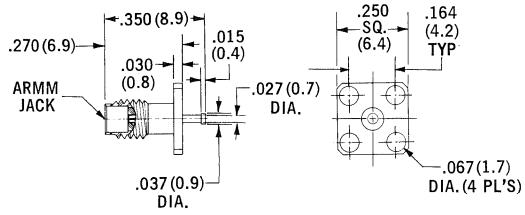
STRAIGHT PANEL PLUG RECEPTACLE



4052-0000

CAPTIVATED CENTER CONDUCTOR

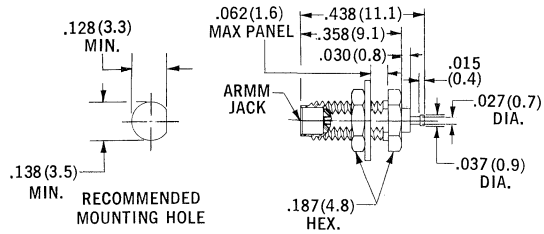
STRAIGHT PANEL JACK RECEPTACLE



4056-0000

CAPTIVATED CENTER CONDUCTOR (THREADS FRONT)

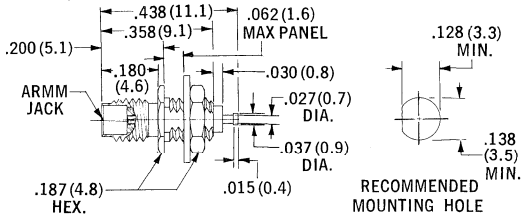
STRAIGHT BULKHEAD JACK RECEPTACLE



4058-0000

CAPTIVATED CENTER CONDUCTOR (THREADS REAR)

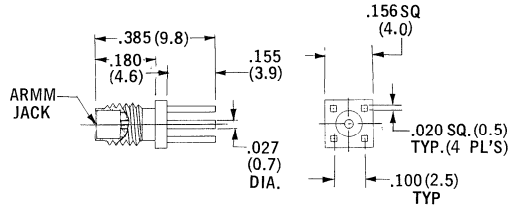
STRAIGHT BULKHEAD JACK RECEPTACLE



4062-0000

CAPTIVATED CENTER CONDUCTOR

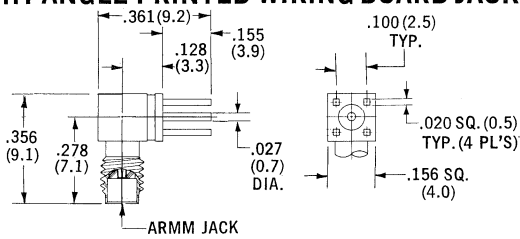
STRAIGHT PRINTED WIRING BOARD JACK



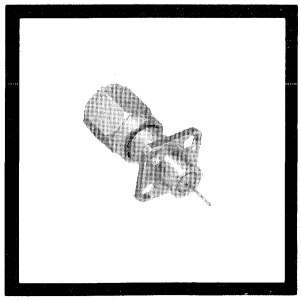
4064-0000

CAPTIVATED CENTER CONDUCTOR

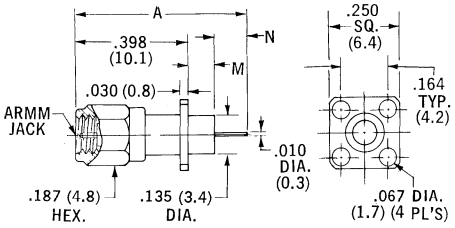
RIGHT ANGLE PRINTED WIRING BOARD JACK



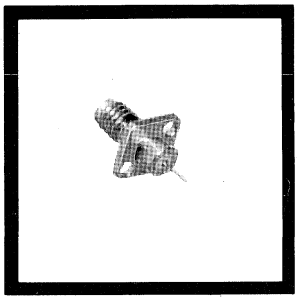
MICROSTRIP TRANSITIONS
Rod Contact Version



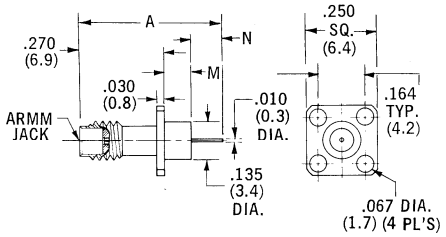
PANEL MOUNTED PLUG



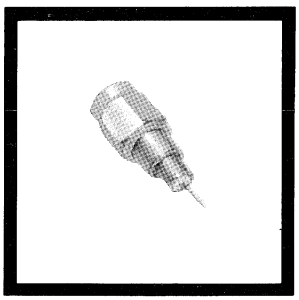
DIM	4051-1121		4051-1122		4051-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.606 (REF)	15.4	.638 (REF)	16.2	.700 (REF)	17.8
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9



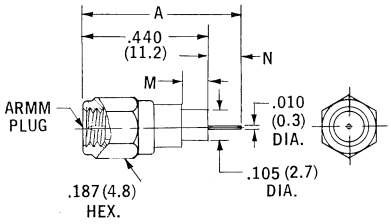
PANEL MOUNTED JACK



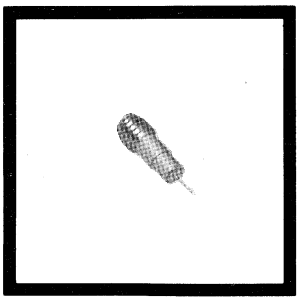
DIM	4052-1121		4052-1122		4052-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.480	12.2	.510	13.0	.572	14.5
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9



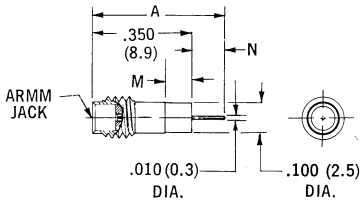
BULKHEAD PLUG-REAR MOUNT



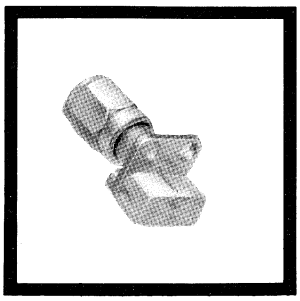
DIM	4057-1121		4057-1122		4057-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.555	14.1	.555	14.1	.555	14.1
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9



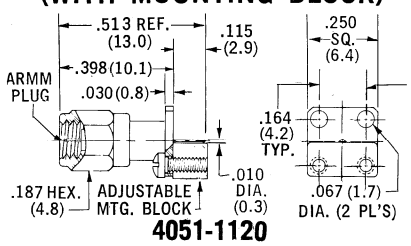
BULKHEAD JACK-REAR MOUNT



DIM	4058-1121		4058-1122		4058-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.465	11.8	.465	11.8	.465	11.8
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9

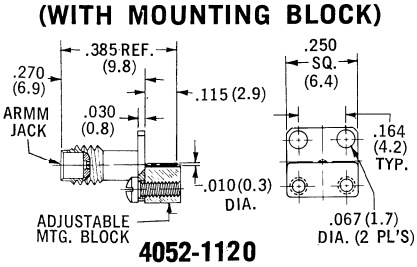


PANEL MOUNTED PLUG (WITH MOUNTING BLOCK)

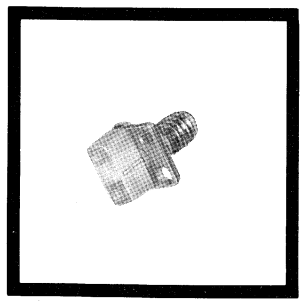


4051-1120

PANEL MOUNTED JACK (WITH MOUNTING BLOCK)



4052-1120

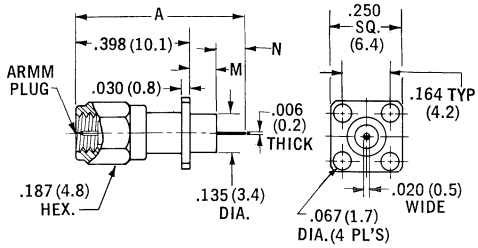


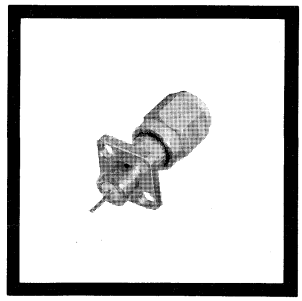
MICROSTRIP TRANSITIONS
Tab Contact Version

ARMM

PANEL MOUNTED PLUG

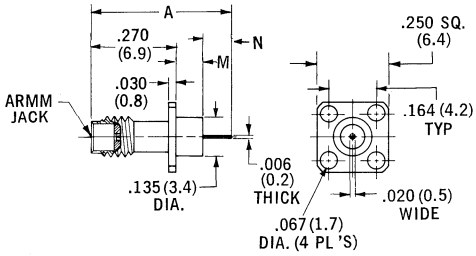
4051-1131		4051-1132		4051-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.591 (REF)	15.0	623 (REF)	15.8	.685 (REF)	17.4	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N

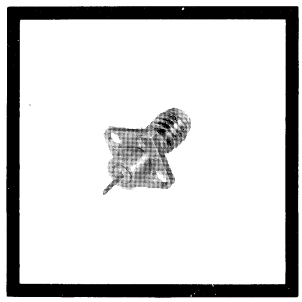




PANEL MOUNTED JACK

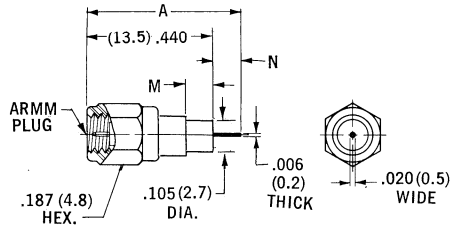
4052-1131		4052-1132		4052-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.463 (REF)	11.8	.495 (REF)	12.6	.557 (REF)	14.2	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N

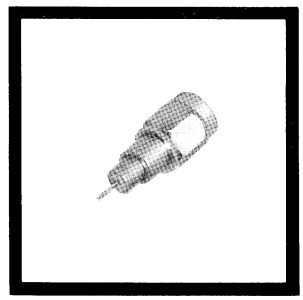




BULKHEAD PLUG - REAR MOUNT

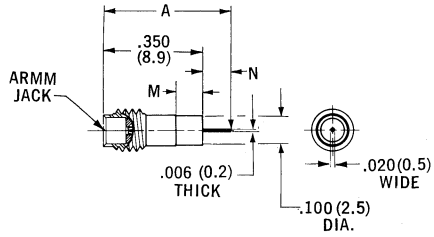
4057-1131		4057-1132		4057-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.540 (REF)	13.7	.540 (REF)	13.7	.540 (REF)	13.7	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N

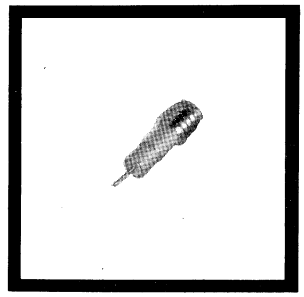


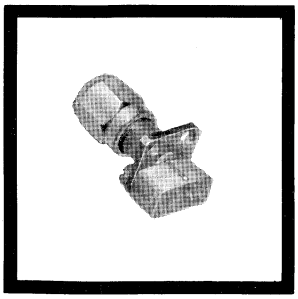


BULKHEAD JACK - REAR MOUNT

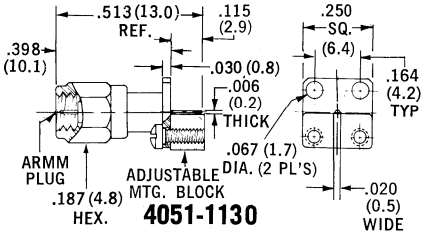
4058-1131		4058-1132		4058-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
450 (REF)	11.4	450 (REF)	11.4	450 (REF)	11.4	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N





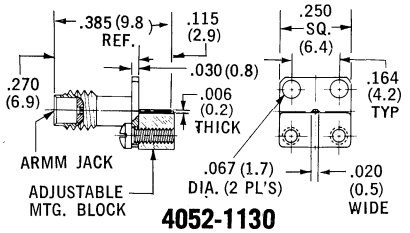


PANEL MOUNTED PLUG (WITH MOUNTING BLOCK)

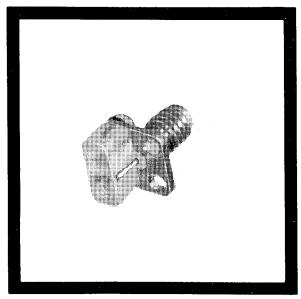


4051-1130

PANEL MOUNTED JACK (WITH MOUNTING BLOCK)



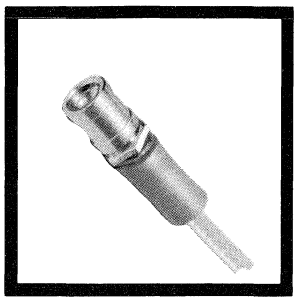
4052-1130

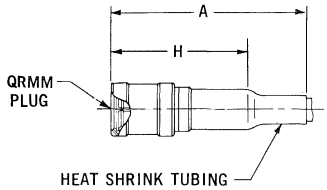


MICROMINIATURE
Cable Connectors

QRMM

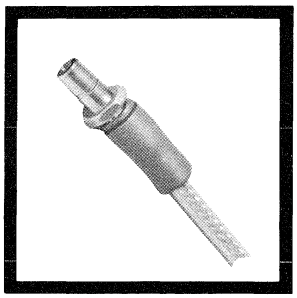
STRAIGHT CABLE PLUG

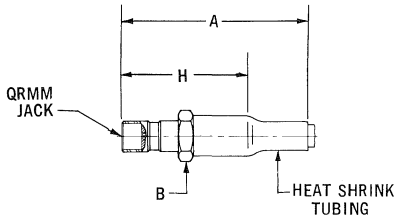




	CABLE TYPE					
	RG 196/U FLEXIBLE		.034 DIA.* SEMI-RIGID		.047 DIA.* SEMI-RIGID	
	CRIMP VERSION		DIRECT SOLDER		DIRECT SOLDER	
	4131-7196		4101-7934		4101-7947	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.713	18.1	*		*	
H	.476	12.1	.386	9.8	.386	9.8

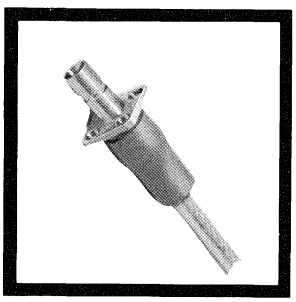
STRAIGHT CABLE JACK

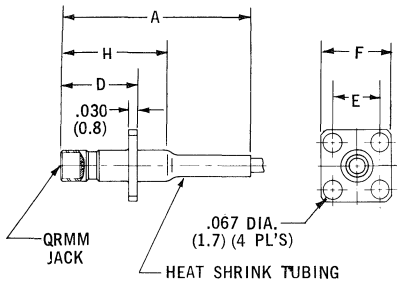




	4132-7196		4102-7934		4102-7947	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.650	16.5	*		*	
B	.187 HEX	4.8	.187 HEX	4.8	.187 HEX	4.8
H	.437	11.1	.330	8.4	.330	8.4

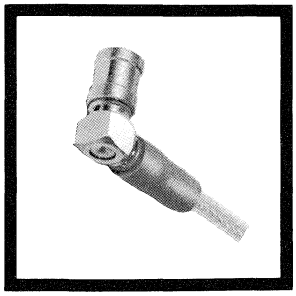
STRAIGHT PANEL CABLE JACK

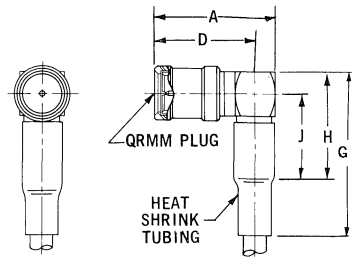




	4136-7196		4106-7934		4106-7947	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.690	17.5	*		*	
D	.270	6.9	.270	6.9	.270	6.9
E	.164 TYP	4.2	.164 TYP	4.2	.164 TYP	4.2
F	.250 SQ	6.4	.250 SQ	6.4	.250 SQ	6.4
H	.477	12.1	.370	9.5	.370	9.5

RIGHT ANGLE CABLE PLUG





	4137-7196		4107-7934		4107-7947	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.419	10.6	.419	10.6	.419	10.6
D	.349	8.8	.349	8.8	.349	8.8
G	.600 MAX	15.2	*		*	
H	.363	9.2	.256	6.5	.256	6.5
J	.285	7.2	.178	4.5	.178	4.5

*Semi-rigid versions do not use heat shrink tubing.

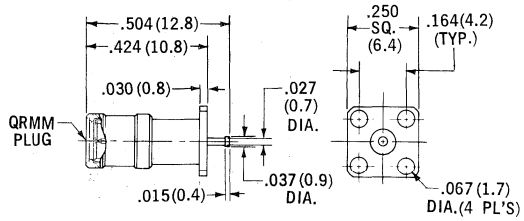
RECEPTACLES

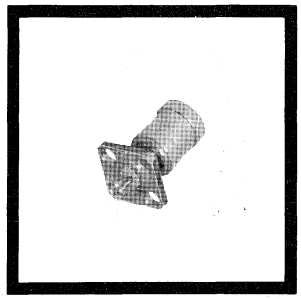
QRMM

4151-0000

CAPTIVATED CENTER CONDUCTOR

STRAIGHT PANEL PLUG RECEPTACLE

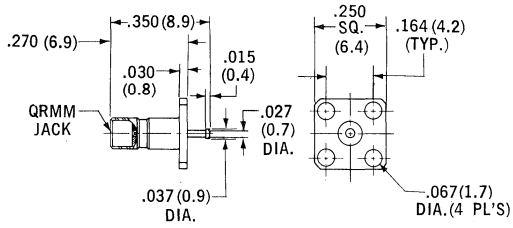


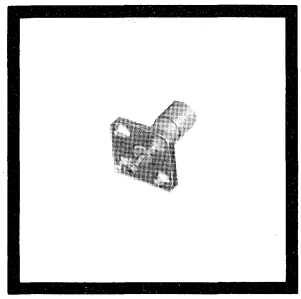


4152-0000

CAPTIVATED CENTER CONDUCTOR

STRAIGHT PANEL JACK RECEPTACLE

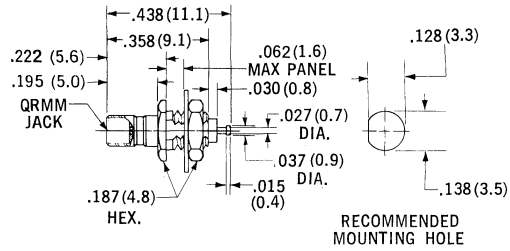


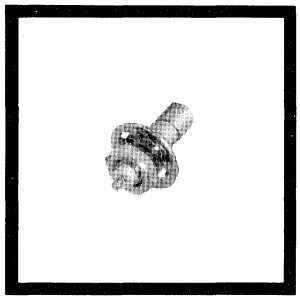


4158-0000

CAPTIVATED CENTER CONDUCTOR (THREADS REAR)

STRAIGHT BULKHEAD JACK RECEPTACLE

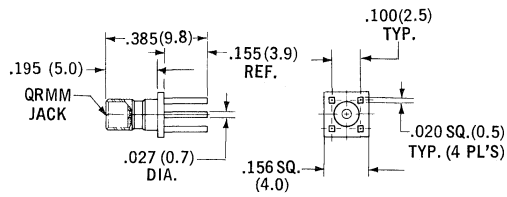


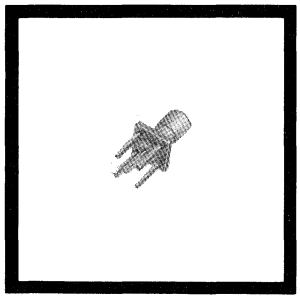


4162-0000

CAPTIVATED CENTER CONDUCTOR

STRAIGHT PRINTED WIRING BOARD JACK

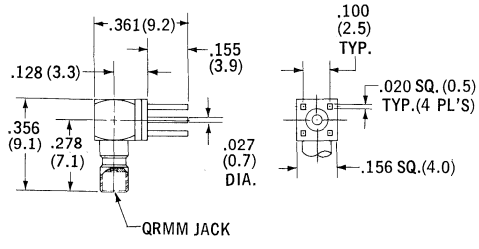


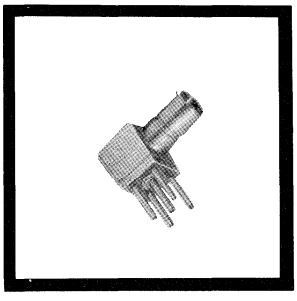


4164-0000

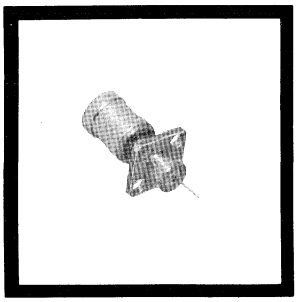
CAPTIVATED CENTER CONDUCTOR

RIGHT ANGLE PRINTED WIRING BOARD JACK

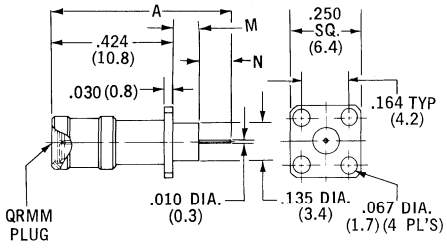




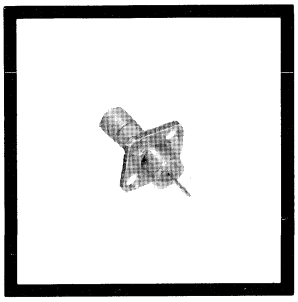
MICROSTRIP TRANSITIONS
Rod Contact Version



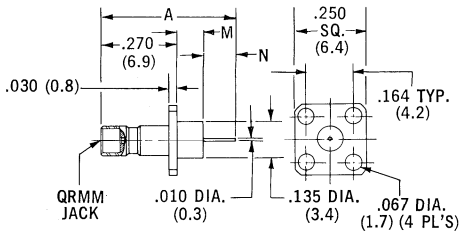
PANEL MOUNTED PLUG



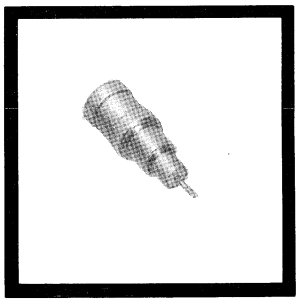
DIM	4151-1121		4151-1122		4151-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.632 (REF)	16.1	.664 (REF)	16.9	.726 (REF)	18.5
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9



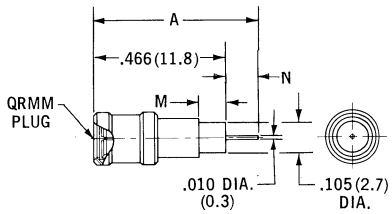
PANEL MOUNTED JACK



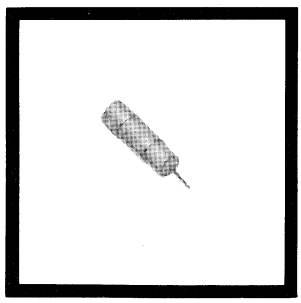
DIM	4152-1121		4152-1122		4152-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.480	12.2	.510	13.0	.572	14.5
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9



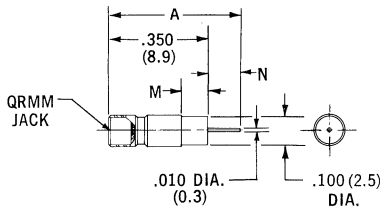
BULKHEAD PLUG - REAR MOUNT



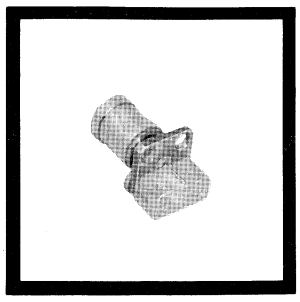
DIM	4157-1121		4157-1122		4157-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.581	14.8	.581	14.8	.581	14.8
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9



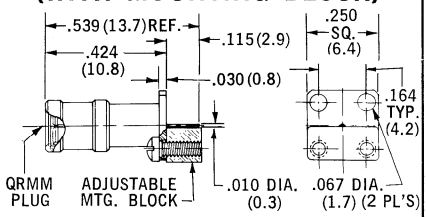
BULKHEAD JACK - REAR MOUNT



DIM	4158-1121		4158-1122		4158-1123	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.465	11.8	.465	11.8	.465	11.8
M	.093	2.4	.125	3.2	.187	4.8
N	.115	2.9	.115	2.9	.115	2.9

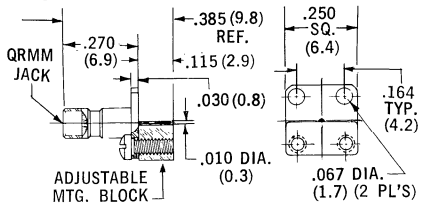


PANEL MOUNTED PLUG (WITH MOUNTING BLOCK)

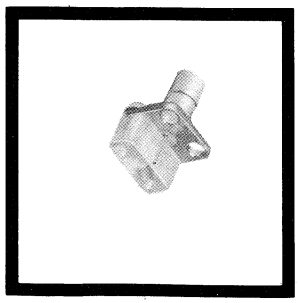


4151-1120

PANEL MOUNTED JACK (WITH MOUNTING BLOCK)



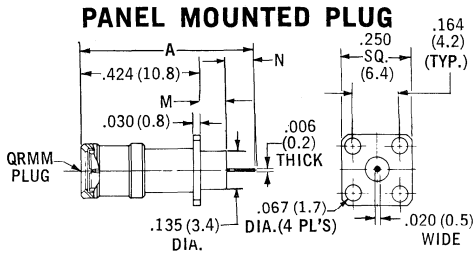
4152-1120

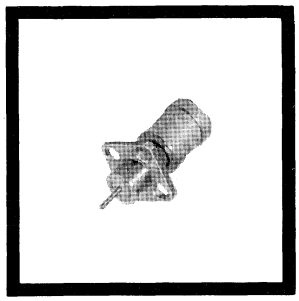


MICROSTRIP TRANSITIONS
Tab Contact Version

PANEL MOUNTED PLUG

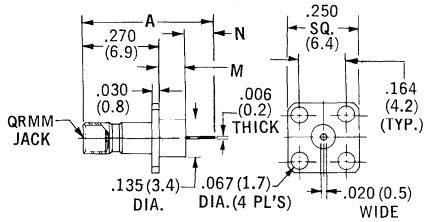
4151-1131		4151-1132		4151-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.617 (REF)	15.7	.649 (REF)	16.5	.711 (REF)	18.1	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N

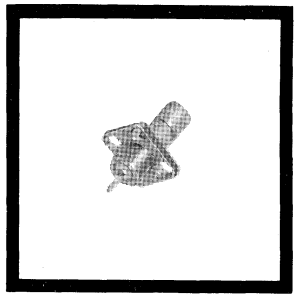




PANEL MOUNTED JACK

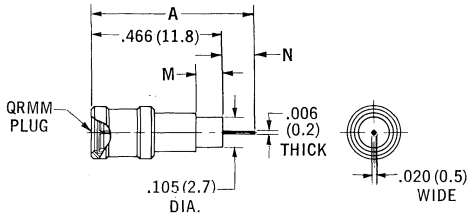
4152-1131		4152-1132		4152-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.463 (REF)	11.8	.495 (REF)	12.6	.557 (REF)	14.2	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N

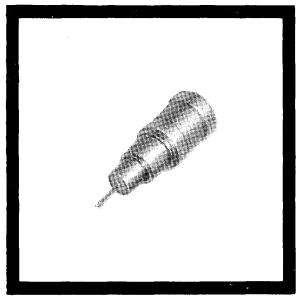




BULKHEAD PLUG (REAR MOUNT)

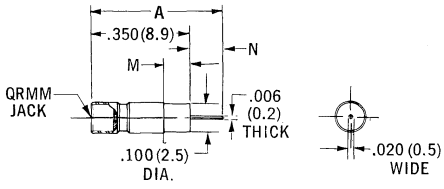
4157-1131		4157-1132		4157-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.566 (REF)	14.4	.566 (REF)	14.4	.566 (REF)	14.4	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N

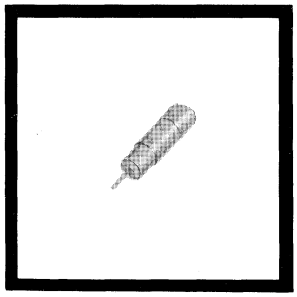


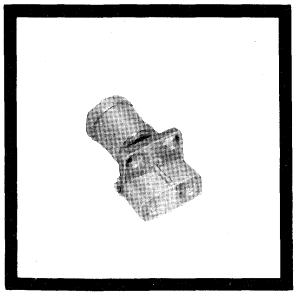


BULKHEAD JACK (REAR MOUNT)

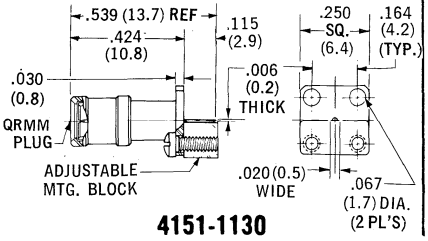
4158-1131		4158-1132		4158-1133		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.450 (REF)	11.4	.450 (REF)	11.4	.450 (REF)	11.4	A
.093	2.4	.125	3.2	.187	4.8	M
.100	2.5	.100	2.5	.100	2.5	N





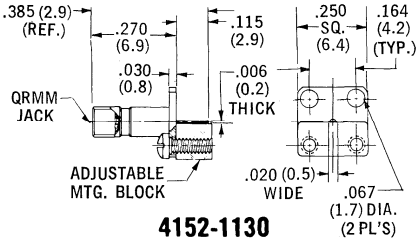


PANEL MOUNTED PLUG (WITH MOUNTING BLOCK)

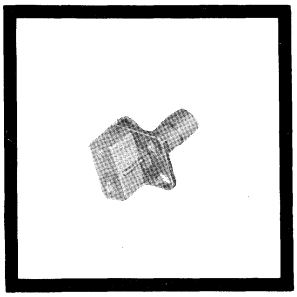


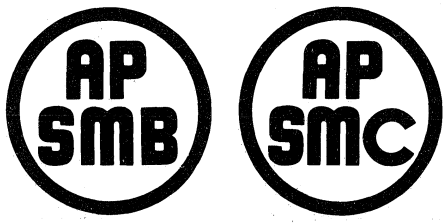
4151-1130

PANEL MOUNTED JACK (WITH MOUNTING BLOCK)



4152-1130





SUBMINIATURE CONNECTORS

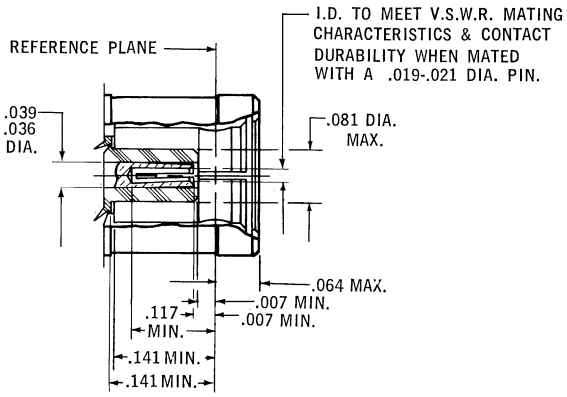
With the increase in requirements for low frequency and video connectors for telemetry and other applications, Americon is proud to offer this complete range of SMB (snap-on) and SMC (screw-on) connectors per MIL-C-39012. The units are available in a variety of configurations generally of gold plated brass but are available in passivated stainless steel for extra rugged service. The series will fit most popular coaxial cables using either a crimp or clamp method of assembly. The new design features of Americon series SMB and SMC per MIL-C-39012 are a vast improvement over anything previously or currently available allowing easier assembly, more reliability, and better all round performance.

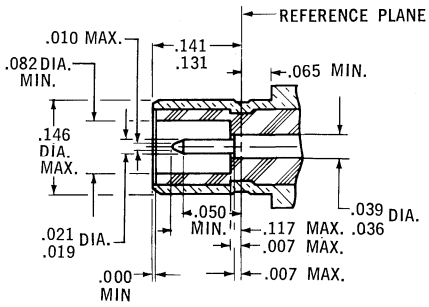
	REQUIREMENT		MIL-C-39012 Par.	SPECIFICATIONS
GENERAL	Material		3.3	Brass per QQ-B-613 or 626 half hard Beryllium copper per QQ-C-530 half hard. Polytetrafluorethylene per MIL-P-19468. Silicone Rubber per MIL-R-5847 and ZZ-R-765 class IIB, Grade 65-75
	Finish		3.3.1	Center contacts: .0001 in Gold per MIL-G-45204 Type I Grade C Class II Other metal parts: Sufficient to meet corrosion requirements of par 3.13 of MIL-C-39012
	Design		3.4	Mating dimensions are in accordance with page 67 of this catalog
ELECTRICAL	Insulation Resistance (Millivolt Drop)		3.10	1000 megohms minimum per MIL-STD-202. Method 302 Test Condition B
	Dielectric Withstanding Voltage		3.15	1000 volts R.M.S. @ 60 cps @ S.L.
	Contact Resistance		3.11	Center contact 6.0 millivolts maximum Outer contact 1.0 millivolts maximum
	V.S.W.R.		3.14	1.08 + .017 frequency (GHz) from DC to 12 GHz
	R.F. Leakage	SMB	3.26	—55 db minimum from 2-3 GHz
		SMC		—60 db minimum from 2-3 GHz
	Insertion Loss	SMB	3.27	.30 db maximum @ 1.5 GHz
		SMC		.25 db maximum @ 4 GHz
MECHANICAL	Force to Engage/ Disengage	SMB	3.5.2	Longitudinal force: 14 lbs. maximum
		SMC	3.5.1	Torque: 16 in oz maximum
	Coupling Nut Retention Force	SMB	3.5.3	Not applicable
		SMC		35 lbs. minimum
	Cable Retention		3.25	Equal to breaking strength of cable. Twisting and bending: 6 cycles minimum per Par 4.6.22 of MIL-C-39012
	Mating Characteristics		3.6	Test pin: 0.019 diameter minimum x .050 long Force: 1.0 oz. minimum
	Contact Durability		3.18	500 insertion and withdrawal cycles change in insertion and withdrawal force: Less than 10%

		MIL-C-39012 Par.	MIL-STD-202 Par.	SPECIFICATIONS
ENVIRONMENTAL	Vibration	3.20	Method 204 Test Condition B	
	Shock	3.21	Method 213	Acceleration to 50 G's @ 7 milli seconds
	Temp Cycling	3.22	Method 102 Test Condition C	
	Corrosion (Salt Spray)	3.13	Method 101 Test Condition B	5% Salt Solution
	Barometric Pressure (Reduced)	3.19	Method 105 Test Condition C	No corona at 250 VRMS at 60 c.p.s. at 70,000 ft.

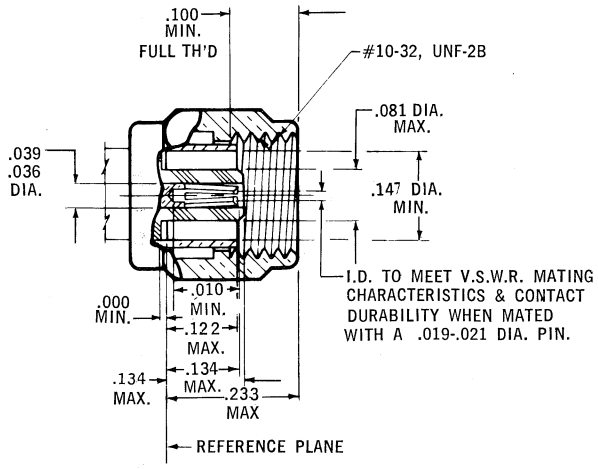
MATING INTERFACES

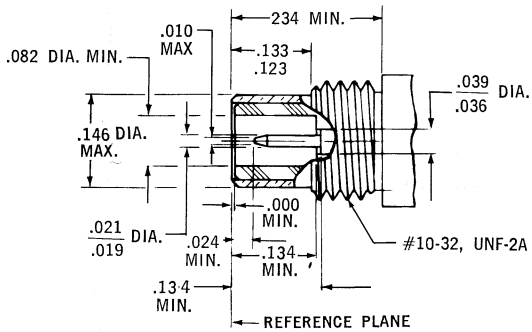
SMB INTERFACE PER MIL-C-39012





SMC INTERFACE PER MIL-C-39012



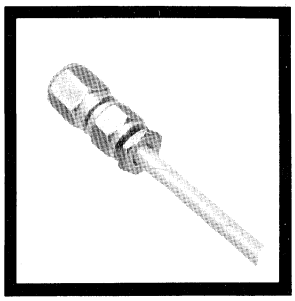


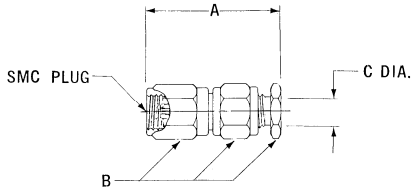
FLEXIBLE CABLE CONNECTORS
Cable Clamp Version

SCREW-ON TYPE

RG/U	CABLE TYPE	
	174 179** 187** 188 316	178 196

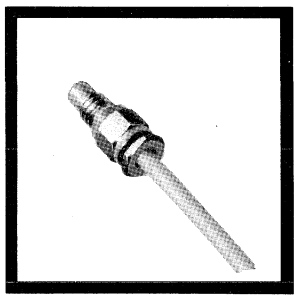
STRAIGHT CABLE PLUG

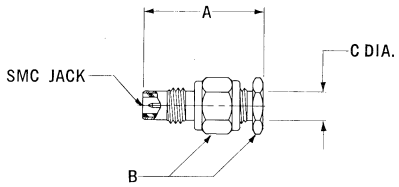




DIM	5001-7188-09		5001-7196-09	
	INCHES	mm	INCHES	mm
A	.687 MAX	17.5	.687 MAX	17.5
B	.250 HEX	6.4	.250 HEX	6.4
C	.118 MIN	3.0	.087 MIN	2.2

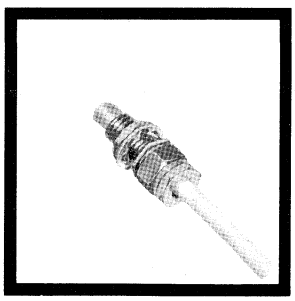
STRAIGHT CABLE JACK

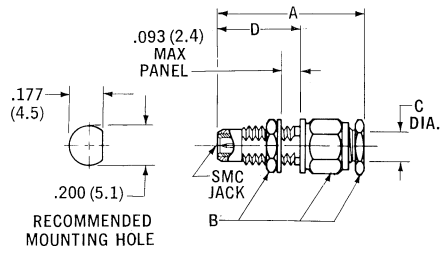




DIM	5002-7188-09		5002-7196-09	
	INCHES	mm	INCHES	mm
A	.687 MAX	17.5	.687 MAX	17.5
B	.250 HEX	6.4	.250 HEX	6.4
C	.118 MIN	3.0	.087 MIN	2.2

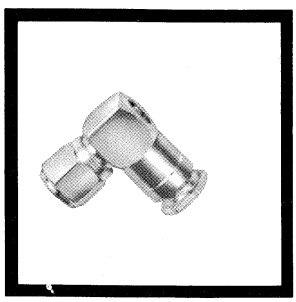
STRAIGHT BULKHEAD CABLE JACK

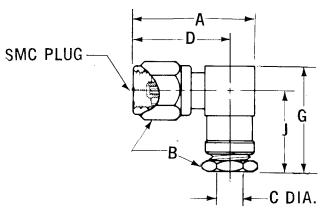




DIM	5004-7188-09		5004-7196-09	
	INCHES	mm	INCHES	mm
A	.812 MAX	20.6	.812 MAX	20.6
B	.250 HEX	6.4	.250 HEX	6.4
C	.118 MIN	3.0	.087 MIN	2.2
D	.426	10.8	.426	10.8

RIGHT ANGLE CABLE PLUG





DIM	5007-7188-09		5007-7196-09	
	INCHES	mm	INCHES	mm
A	.615 MAX	15.6	.615 MAX	15.6
B	.250 HEX	6.4	.250 HEX	6.4
C	.118 MIN	3.0	.087 MIN	2.2
D	.478	12.1	.478	12.1
G	.530 MAX	13.5	.530 MAX	13.5
J	.410 MAX	10.4	.410 MAX	10.4

** Subminiature 75 ohm cable

FLEXIBLE CABLE CONNECTORS
Cable Clamp Version

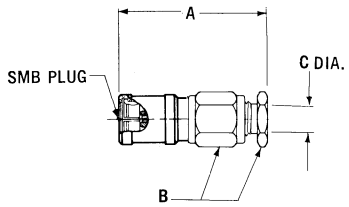
AP SMB

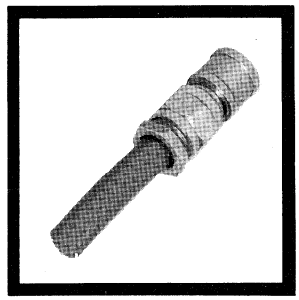
SNAP-ON TYPE

CABLE TYPE		
174 179** 187** 188 316	178 196	RG/U

STRAIGHT CABLE PLUG

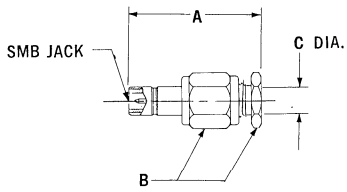
5101-7188-09		5101-7196-09		
INCHES	mm	INCHES	mm	DIM
.700 MAX	17.8	.700 MAX	17.8	A
.250 HEX	6.4	.250 HEX	6.4	B
.118 MIN	3.0	.087 MIN	2.2	C

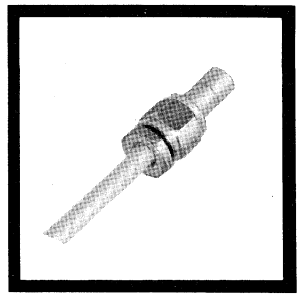




STRAIGHT CABLE JACK

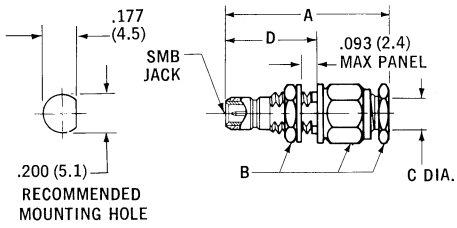
5102-7188-09		5102-7196-09		
INCHES	mm	INCHES	mm	DIM
.687 MAX	17.5	.687 MAX	17.5	A
.250 HEX	6.4	.250 HEX	6.4	B
.118 MIN	3.0	.087 MIN	2.2	C

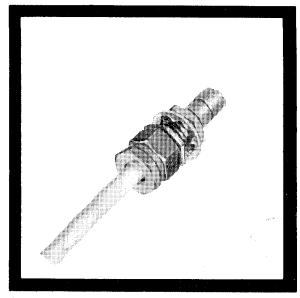




STRAIGHT BULKHEAD CABLE JACK

5104-7188-09		5104-7196-09		
INCHES	mm	INCHES	mm	DIM
.812 MAX	20.6	.812 MAX	20.6	A
.250 HEX	6.4	.250 HEX	6.4	B
.118 MIN	3.0	.087 MIN	2.2	C
.426	10.8	.426	10.8	D

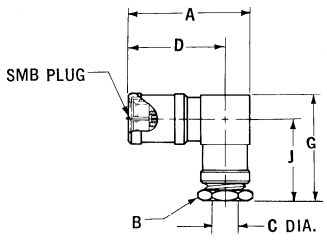


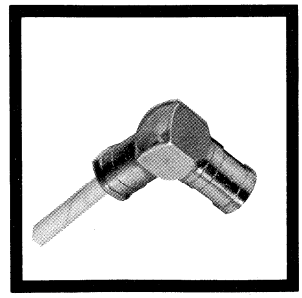


RIGHT ANGLE CABLE PLUG

5107-7188-09		5107-7196-09		
INCHES	mm	INCHES	mm	DIM
.625 MAX	15.9	.625 MAX	15.9	A
.250 HEX	6.4	.250 HEX	6.4	B
.118 MIN	3.0	.087 MIN	2.2	C
.489	12.4	.489	12.4	D
.530 MAX	13.5	.530 MAX	13.5	G
.410 MAX	10.4	.410 MAX	10.4	J

**Subminiature 75 ohm cables.



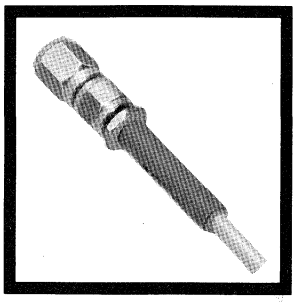


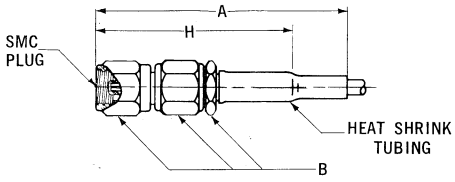
FLEXIBLE CABLE CONNECTORS
Cable Crimp Version

SCREW-ON TYPE

CABLE TYPE		
RG/U	174 179** 187** 188 316	178 196

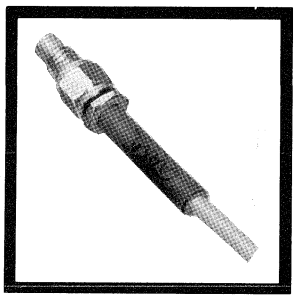
STRAIGHT CABLE PLUG

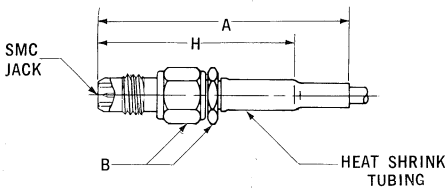




DIM	5031-7188-09		5031-7196-09	
	INCHES	mm	INCHES	mm
A	1.312 MAX	33.3	1.312 MAX	33.3
B	.250 HEX	6.4	.250 HEX	6.4
H	1.100 MAX	27.9	.974 MAX	24.7

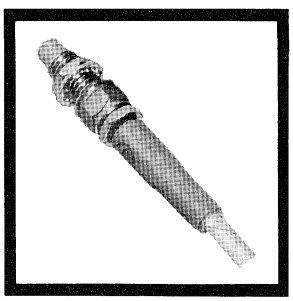
STRAIGHT CABLE JACK

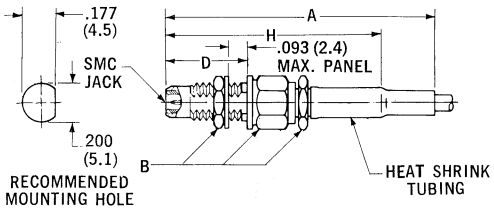




DIM	5032-7188-09		5032-7196-09	
	INCHES	mm	INCHES	mm
A	1.312 MAX	33.3	1.312 MAX	33.3
B	.250 HEX	6.4	.250 HEX	6.4
H	1.100 MAX	27.9	.974 MAX	24.7

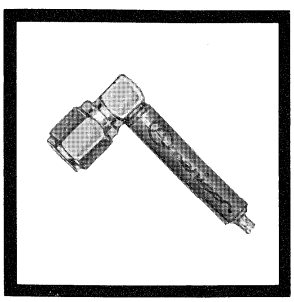
STRAIGHT BULKHEAD CABLE JACK

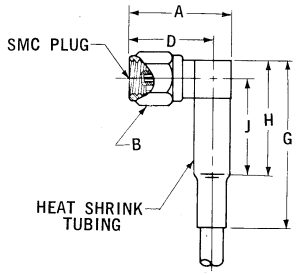




DIM	5034-7188-09		5034-7196-09	
	INCHES	mm	INCHES	mm
A	1.437 MAX	36.5	1.437 MAX	36.5
B	.250 HEX	6.4	.250 HEX	6.4
D	.426	10.8	.426	10.8
H	1.225 MAX	31.1	1.100 MAX	27.9

RIGHT ANGLE CABLE PLUG





DIM	5037-7188-09		5037-7196-09	
	INCHES	mm	INCHES	mm
A	.550 MAX	14.0	.550 MAX	14.0
B	.250 HEX	6.4	.250 HEX	6.4
D	.460 MAX	11.7	.460 MAX	11.7
G	.900 MAX	22.9	.900 MAX	22.9
H	.625 MAX	15.9	.500 MAX	12.7
J	.525 MAX	13.3	.400 MAX	10.2

** Subminiature 75 ohm cable

FLEXIBLE CABLE CONNECTORS
Cable Crimp Version

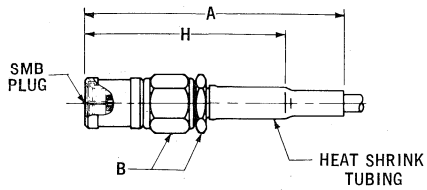
AP SMB

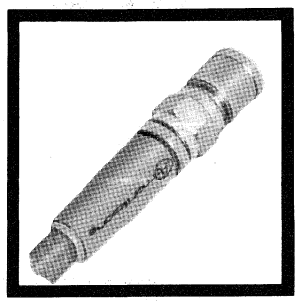
SNAP-ON TYPE

CABLE TYPE				
174 179** 187** 188 316		178 196		RG/U

STRAIGHT CABLE PLUG

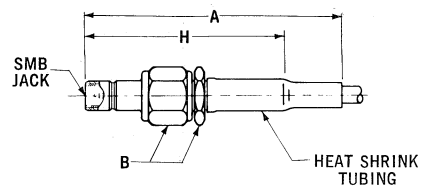
5131-7188-09		5131-7196-09		
INCHES	mm	INCHES	mm	DIM
1.325 MAX	33.7	1.325 MAX	33.7	A
.250 HEX	6.4	.250 HEX	6.4	B
1.112 MAX	28.3	.985 MAX	25.0	H

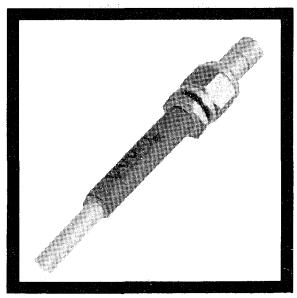




STRAIGHT CABLE JACK

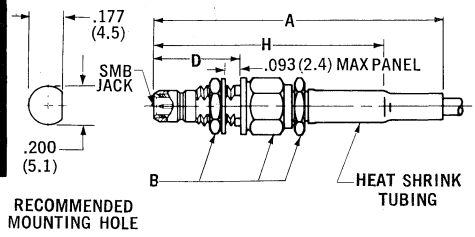
5132-7188-09		5132-7196-09		
INCHES	mm	INCHES	mm	DIM
1.312 MAX	33.3	1.312 MAX	33.3	A
.250 HEX	6.4	.250 HEX	6.4	B
1.100 MAX	27.9	.974 MAX	24.7	H

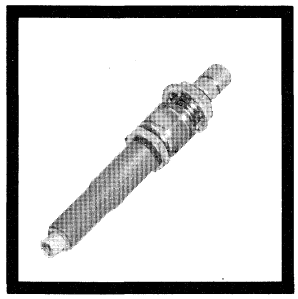




STRAIGHT BULKHEAD CABLE JACK

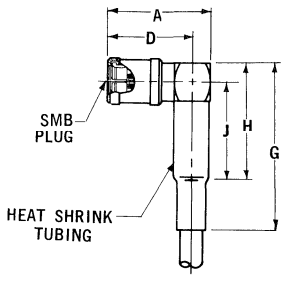
5134-7188-09		5134-7196-09		
INCHES	mm	INCHES	mm	DIM
1.437 MAX	36.5	1.437 MAX	36.5	A
.250 HEX	6.4	.250 HEX	6.4	B
.426	10.8	.426	10.8	D
1.225 MAX	31.1	1.100 MAX	27.9	H

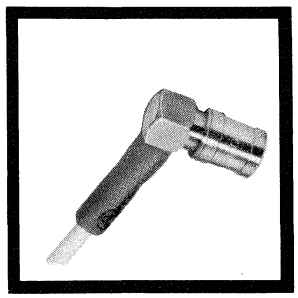




RIGHT ANGLE CABLE PLUG

5137-7188-09		5137-7196-09		
INCHES	mm	INCHES	mm	DIM
.562 MAX	14.3	.562 MAX	14.3	A
.472 MAX	12.0	.472 MAX	12.0	D
.900 MAX	22.9	.900 MAX	22.9	G
.625 MAX	15.9	.500 MAX	12.7	H
.525 MAX	13.3	.400 MAX	10.2	J

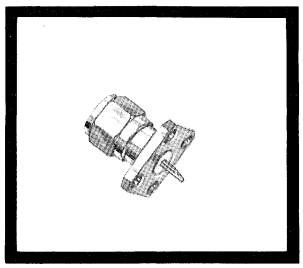


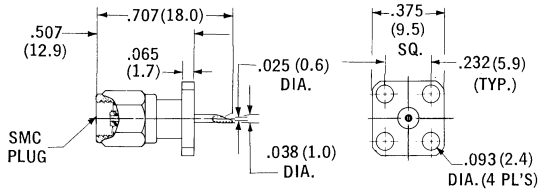


** Subminiature 75 ohm cable

PANEL AND BULKHEAD RECEPTACLES

STRAIGHT PANEL PLUG RECEPTACLE

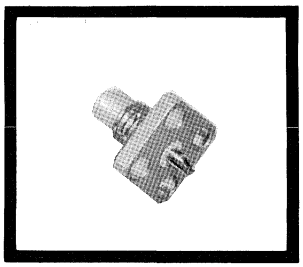


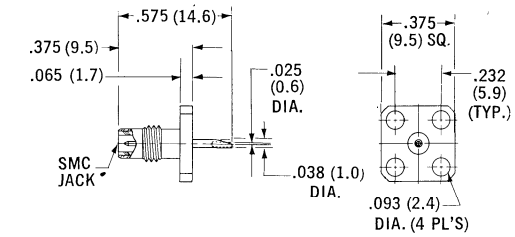


5051-0000-09

CAPTIVATED CENTER CONDUCTOR-SOLDER POT

STRAIGHT PANEL JACK RECEPTACLE

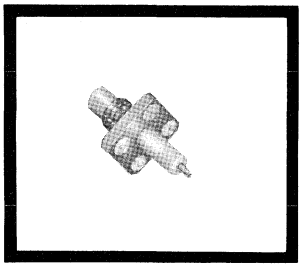


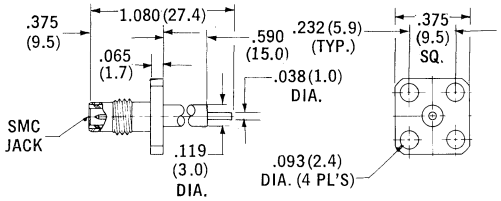


5052-0000-09

CAPTIVATED CENTER CONDUCTOR-SOLDER POT

STRAIGHT PANEL JACK TERMINAL RECEPTACLE





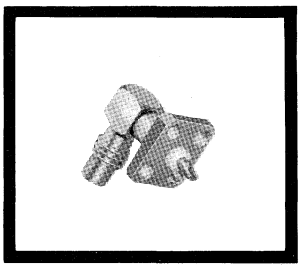
5052-1200-09

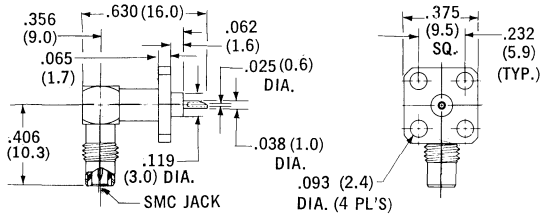
NON-CAPTIVATED CENTER CONDUCTOR

5052-1201-09

CAPTIVATED CENTER CONDUCTOR

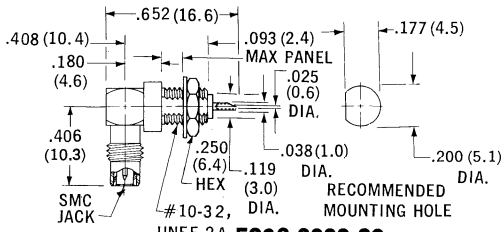
RIGHT ANGLE PANEL JACK RECEPTACLE





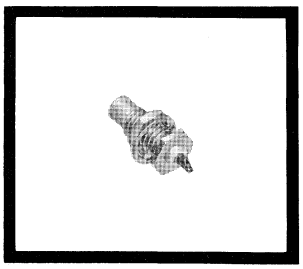
5054-0000-09

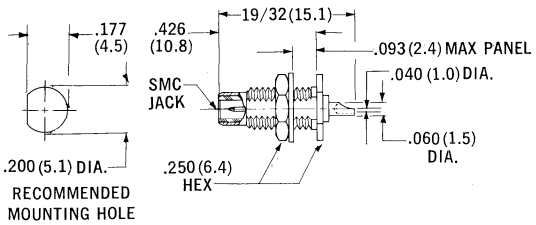
RIGHT ANGLE BULKHEAD JACK RECEPTACLE



5060-0000-09

STRAIGHT BULKHEAD JACK RECEPTACLE

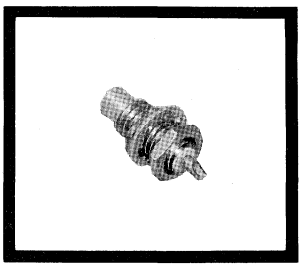


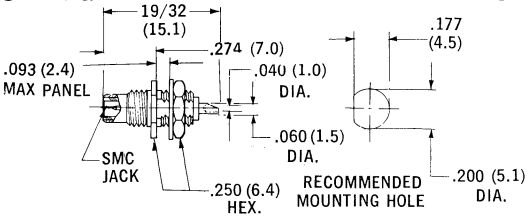


5056-0000-09

SOLDER POT (THREADS FRONT)

STRAIGHT BULKHEAD JACK RECEPTACLE





5058-0000-09

SOLDER POT (THREADS REAR)

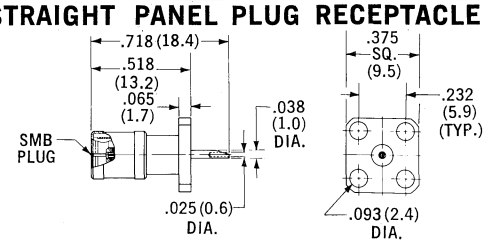
PANEL AND BULKHEAD RECEPTACLES

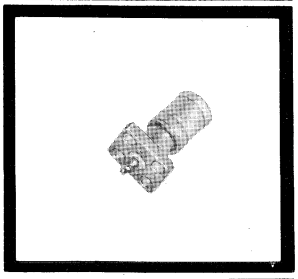
AP SMB

5151-0000-09

CAPTIVATED CENTER CONDUCTOR-SOLDER POT

STRAIGHT PANEL PLUG RECEPTACLE

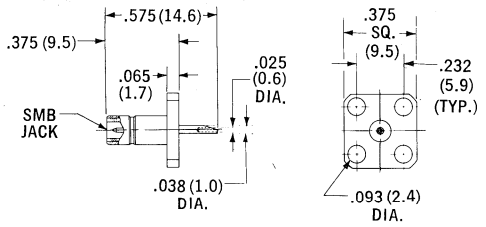


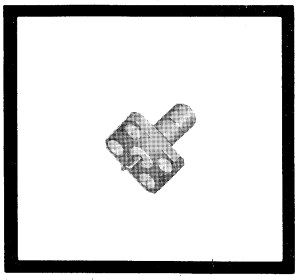


5152-0000-09

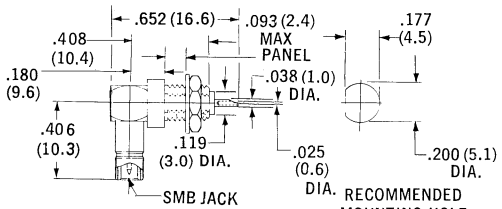
CAPTIVATED CENTER CONDUCTOR-SOLDER POT

STRAIGHT PANEL JACK RECEPTACLE



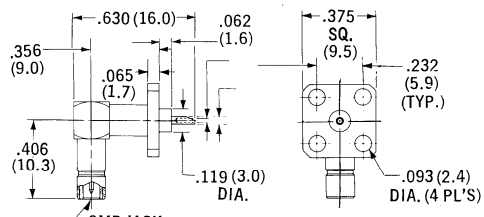


RIGHT ANGLE PANEL JACK RECEPTACLE

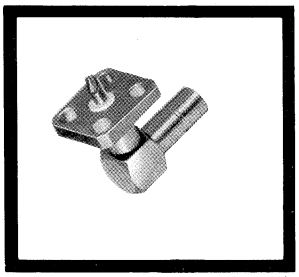


5160-0000-09

RIGHT ANGLE BULKHEAD JACK RECEPTACLE

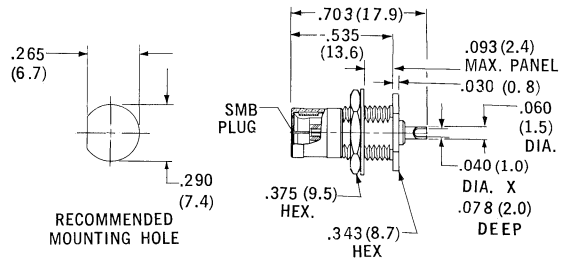


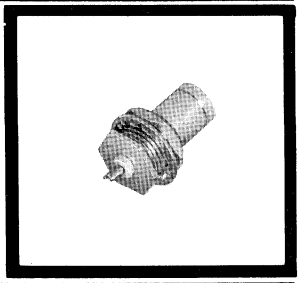
5154-0000 -09



5155 -0000-09

SOLDER POT (THREADS FRONT)

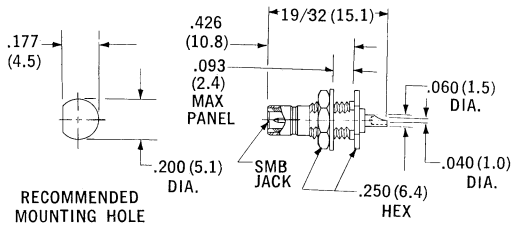


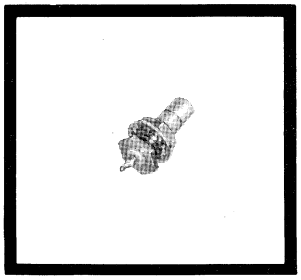


5156-0000-09

SOLDER POT (THREADS FRONT)

STRAIGHT BULKHEAD JACK RECEPTACLE

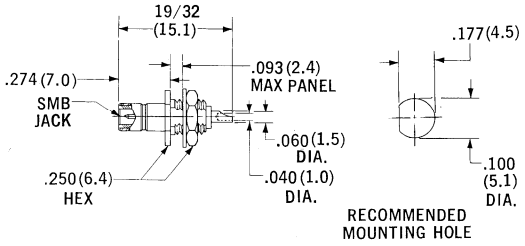


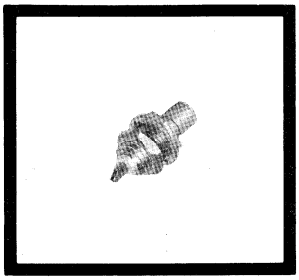


5158-0000-09

SOLDER POT (THREADS REAR)

STRAIGHT BULKHEAD JACK RECEPTACLE

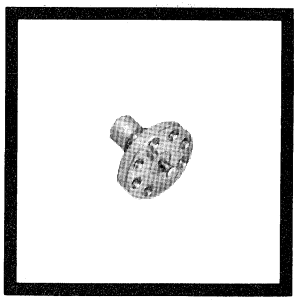


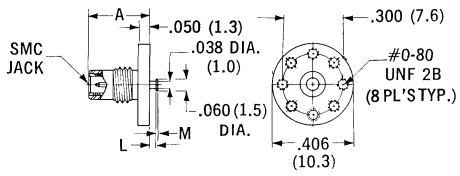


STRIPLINE CONNECTORS
Surface Launcher Type

SCREW-ON TYPE

STRAIGHT SURFACE LAUNCHED JACK



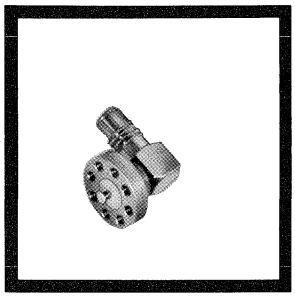


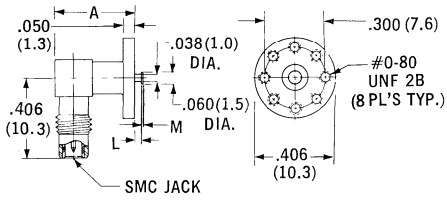
	STRIPLINE SIZE					
	1/16		1/8		1/4	
	5066-1321-09		**5066-1322-09**		**5066-1323-09**	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.305	7.7	.305	7.7	.305	7.7
L	.031	0.8	.063	1.6	.125	3.2
M	.010	0.3	.010	0.3	.010	0.3

Also available with .500 (12.7) DIA flange and #1-72, UNF-2B holes on a .387 (9.8) DIA base circle as part numbers. . . .

5066-1341-09	**5066-1342-09**	**5066-1343-09**

RIGHT ANGLE SURFACE LAUNCHED JACK





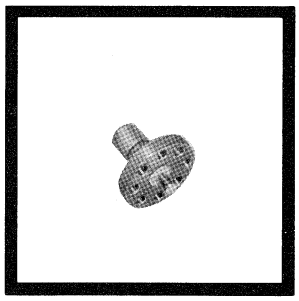
	5068-1321-09		**5068-1322-09**		**5068-1323-09**	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.400	10.2	.400	10.2	.400	10.2
L	.031	0.8	.063	1.6	.125	3.2
M	.010	0.3	.010	0.3	.010	0.3

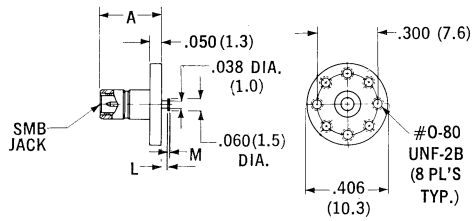
Also available with .500 (12.7) DIA flange and #1-72, UNF-2B holes on a .387 (9.8) DIA base circle as part numbers. . . .

5068-1341-09	**5068-1342-09**	**5068-1343-09**

SNAP-ON TYPE

STRAIGHT SURFACE LAUNCHED JACK



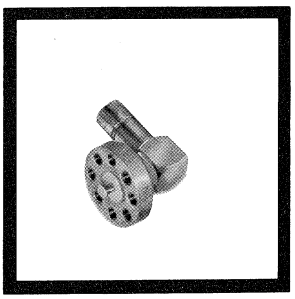


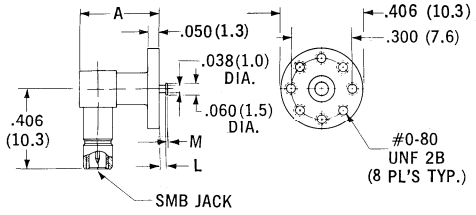
	5166-1321-09		**5166-1322-09**		**5166-1323-09**	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.305	7.7	.305	7.7	.305	7.7
L	.031	0.8	.063	1.6	.125	3.2
M	.010	0.3	.010	0.3	.010	0.3

Also available with .500 (12.7) DIA flange and #1-72, UNF-2B holes on a .387 (9.8) DIA base circle as part numbers. . . .

5166-1341-09	**5166-1342-09**	**5166-1343-09**

RIGHT ANGLE SURFACE LAUNCHED JACK





	5168-1321-09		**5168-1322-09**		**5168-1323-09**	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.400	10.2	.400	10.2	.400	10.2
L	.031	0.8	.063	1.6	.125	3.2
M	.010	0.3	.010	0.3	.010	0.3

Also available with .500 (12.7) DIA flange and #1-72, UNF-2B holes on a .387 (9.8) DIA base circle as part numbers. . . .

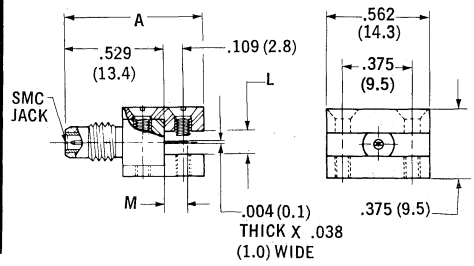
5168-1341-09	**5168-1342-09**	**5168-1343-09**

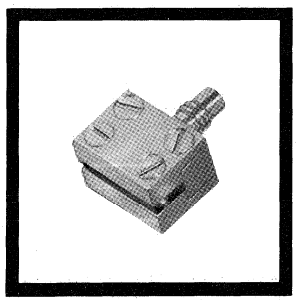
STRIPLINE CONNECTORS
End Launcher Type

SCREW-ON TYPE

STRIPLINE SIZE						
1/16		1/8		1/4		
5070-1401-09		**5070-1402-09**		**5070-1403-09**		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.750	19.0	.750	19.0	.750	19.0	A
.063	1.6	.125	3.2	.250	6.4	L
.125	3.2	.125	3.2	.125	3.2	M

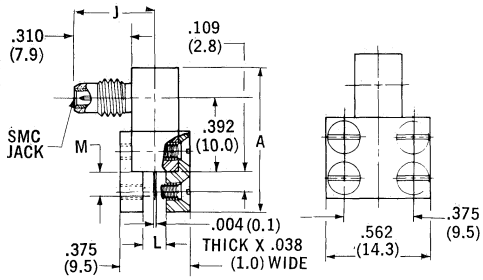
STRAIGHT END LAUNCHED JACK

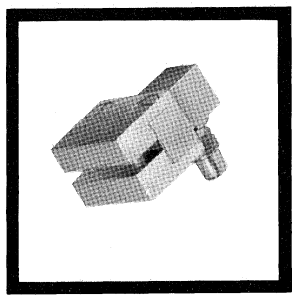




5072-1401-09		**5072-1402-09**		**5072-1403-09**		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.780	19.8	.780	19.8	.780	19.8	A
.435	11.1	.435	11.1	.435	11.1	J
.063	1.6	.125	3.2	.250	6.4	L
.125	3.2	.125	3.2	.125	3.2	M

RIGHT ANGLE END LAUNCHED JACK

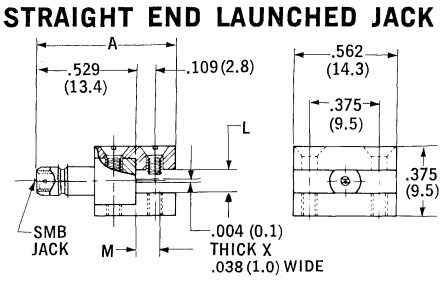


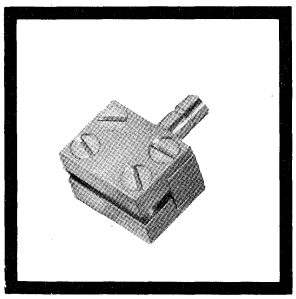


SNAP-ON TYPE

5170-1401-09		**5170-1402-09**		**5170-1403-09**		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.750	19.0	.750	19.0	.750	19.0	A
.063	1.6	.125	3.2	.250	6.4	L
.125	3.2	.125	3.2	.125	3.2	M

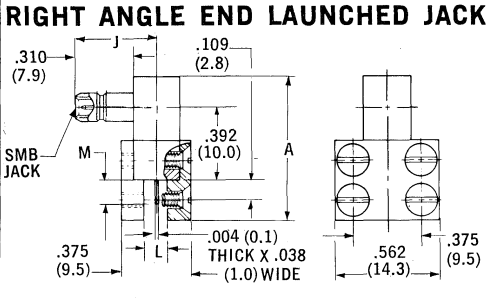
STRAIGHT END LAUNCHED JACK

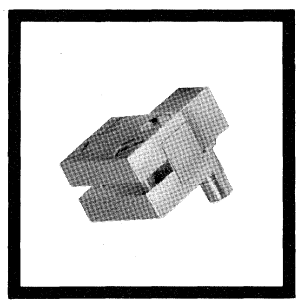




5172-1401-09		**5172-1402-09**		**5172-1403-09**		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
.780	19.8	.780	19.8	.780	19.8	A
.435	11.1	.435	11.1	.435	11.1	J
.063	1.6	.125	3.2	.250	6.4	L
.125	3.2	.125	3.2	.125	3.2	M

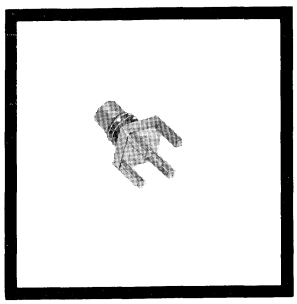
RIGHT ANGLE END LAUNCHED JACK

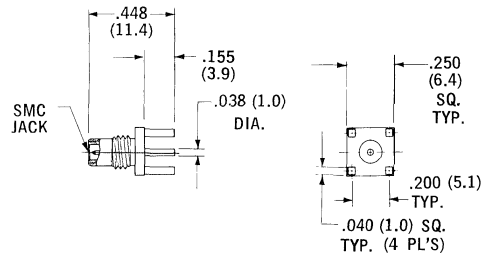




PRINTED WIRING BOARD RECEPTACLES

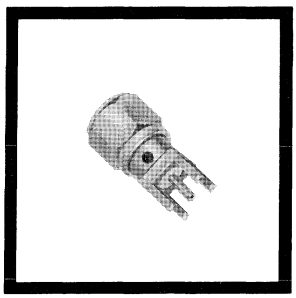
SCREW-ON TYPE

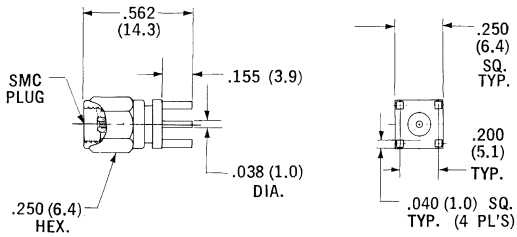




5062-0000-09

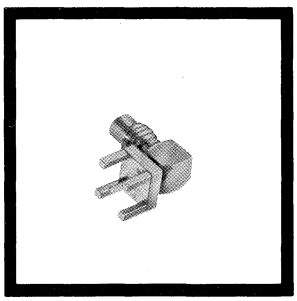
STRAIGHT
PRINTED WIRING BOARD
JACK

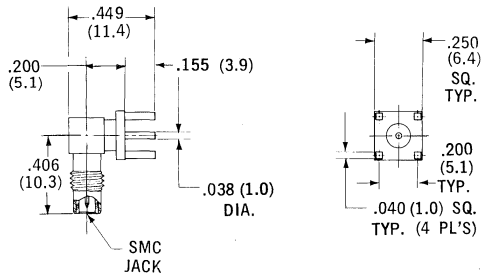




5063-0000-09

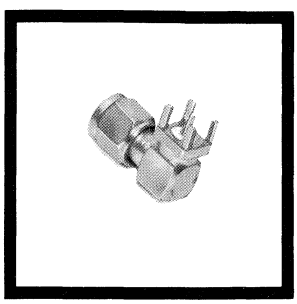
STRAIGHT
PRINTED WIRING BOARD
PLUG

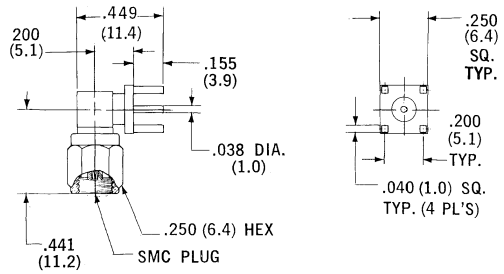




5064-0000-09

RIGHT ANGLE
PRINTED WIRING BOARD
JACK





5065-0000-09

RIGHT ANGLE
PRINTED WIRING BOARD
PLUG

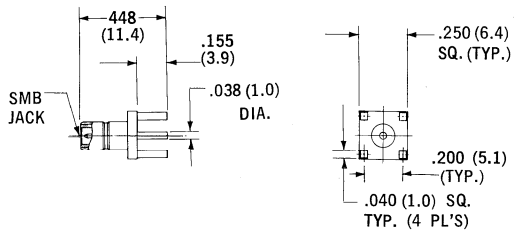
PRINTED WIRING BOARD RECEPTACLES

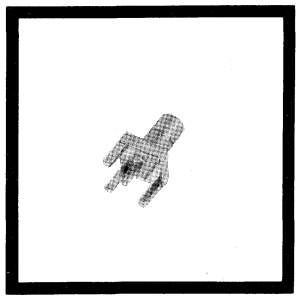
AP SMB

SNAP-ON TYPE

5162-0000-09

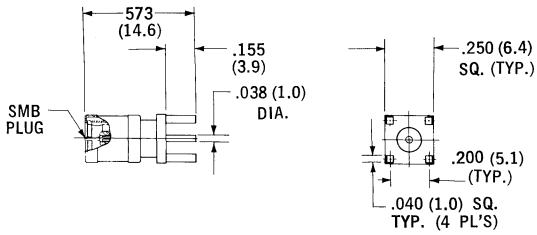
STRAIGHT
PRINTED WIRING BOARD
JACK

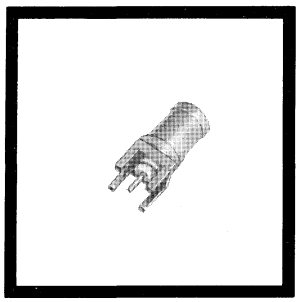




5163-0000-09

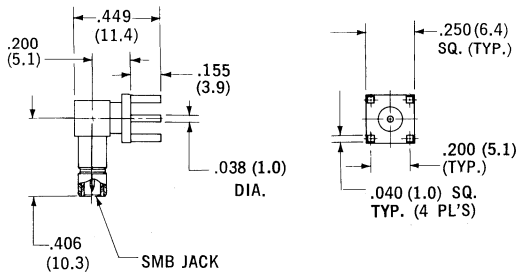
STRAIGHT
PRINTED WIRING BOARD
PLUG

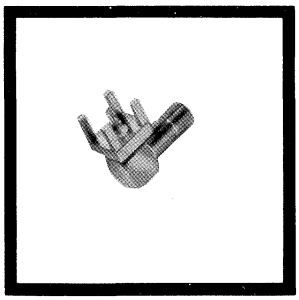




5164-0000-09

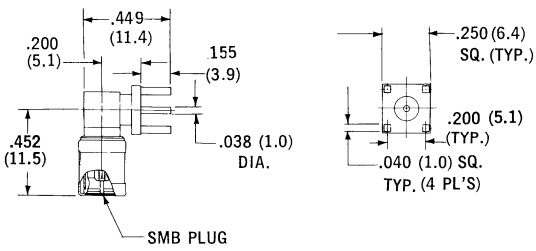
RIGHT ANGLE
PRINTED WIRING BOARD
JACK

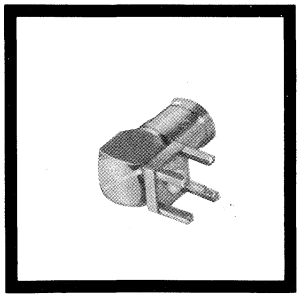




5165-0000-09

RIGHT ANGLE
PRINTED WIRING BOARD
PLUG





IN SERIES ADAPTERS

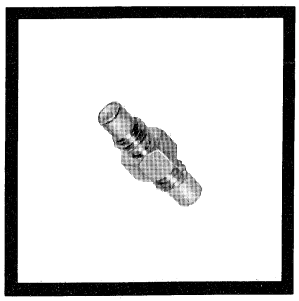
AP SMC

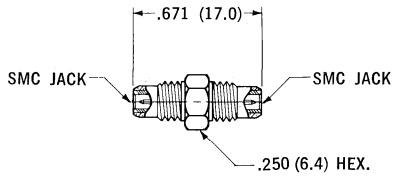
SCREW-ON TYPE

AP SMB

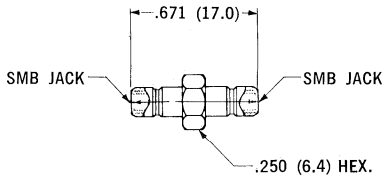
SNAP-ON TYPE

JACK TO JACK

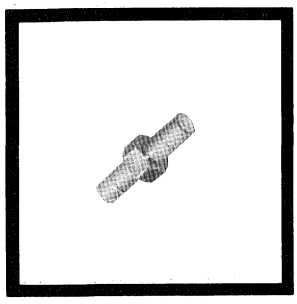




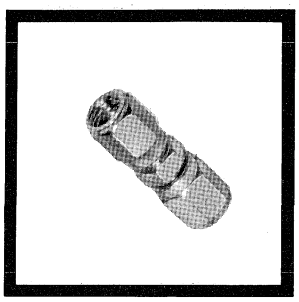
5080-0000-09

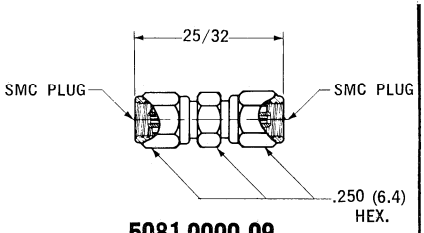


5180-0000-09

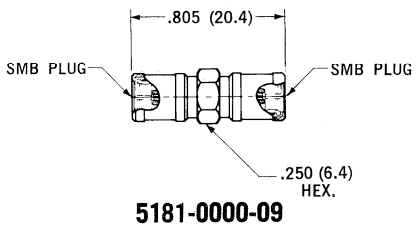


PLUG TO PLUG

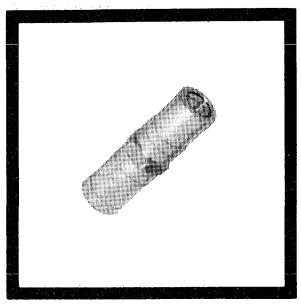




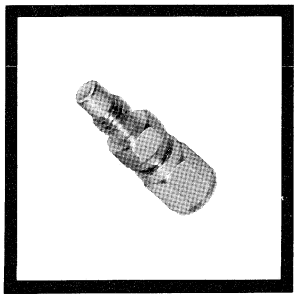
5081-0000-09

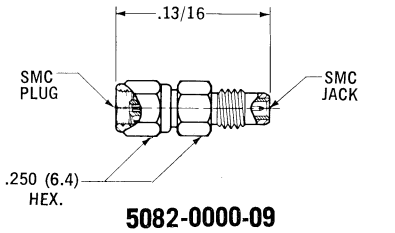


5181-0000-09

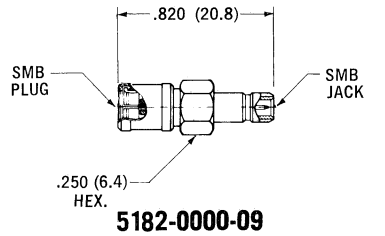


PLUG TO JACK

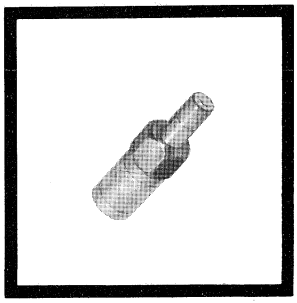




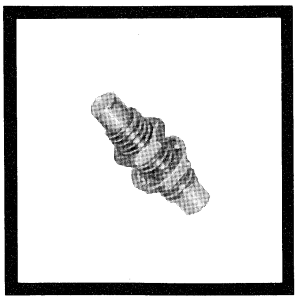
5082-0000-09

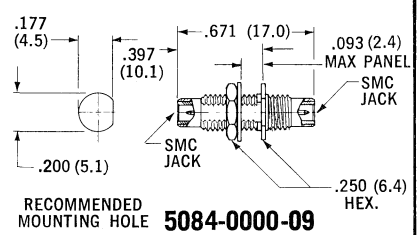


5182-0000-09

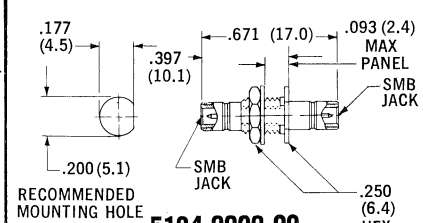


BULKHEAD FEEDTHRU JACK TO JACK

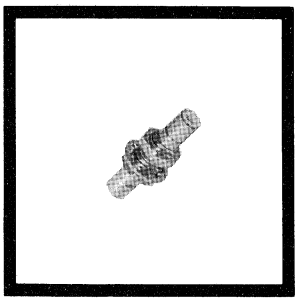




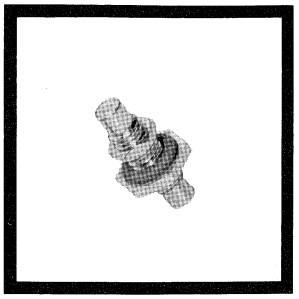
5084-0000-09

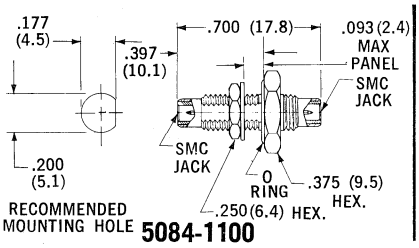


5184-0000-09

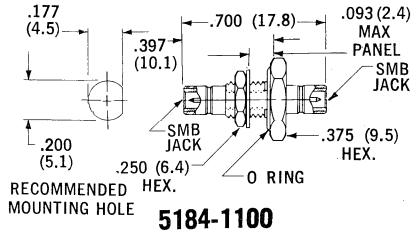


BULKHEAD FEED THRU JACK TO JACK (PRESSURIZED) *

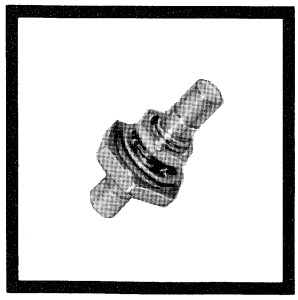




5084-1100



5184-1100



* Hermetically sealed connectors having stainless steel bodies and gold plating.

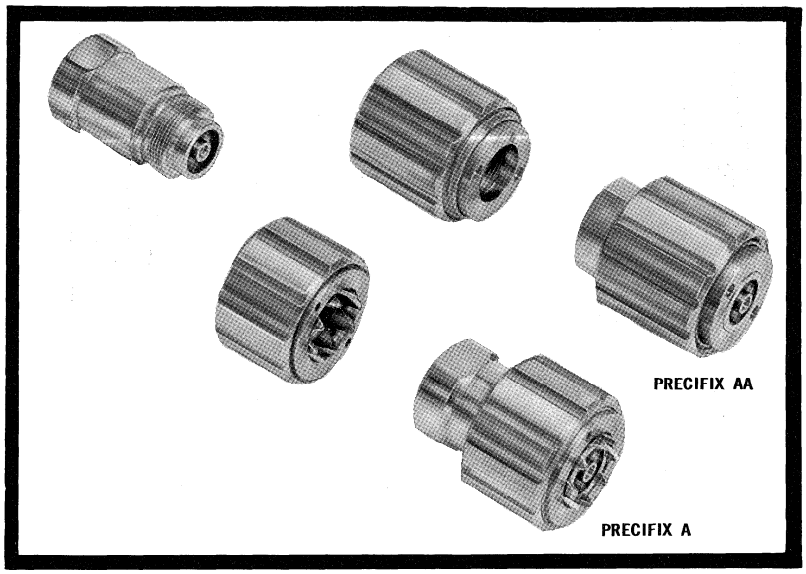
PRECISION 7mm CONNECTORS
Precifix A and Precifix AA

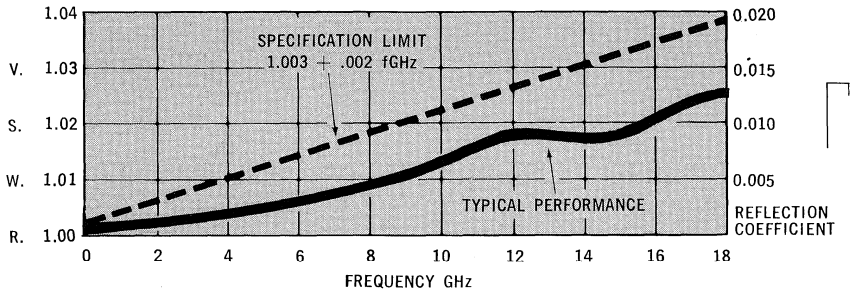
AP 7mm

PRECIFIX A MODEL **7100-0000**
PRECIFIX AA MODEL **7000-0000**

PRECIFIX A and PRECIFIX AA precision 7mm connectors provide the ultimate in performance for every coaxial laboratory requirement. Sexless mating and universal interchangeability help reduce test time.

IMPEDANCE: 50 Ohms
FREQUENCY RANGE: 0-18 GHz
V.S.W.R.: 1.003 + .002 f GHz (see curve)
R.F. LEAKAGE: 122 db @ 4 GHz (coupling nut) tightened to 8 in-lbs.)
CAPTIVATION: All moveable parts are captivated





Today microwave test instruments are highly complex and can be somewhat temperamental when their original assembly is disturbed. With the advent and continual growing use of precision 7mm connectors on instruments ranging up to 18 GHz in frequency operation both here in the U.S.A. and in foreign countries, a very common problem occurred: that of interface differences between the connectors used primarily in this country by instrument manufacturers and those used by foreign instrument manufacturers.

Fortunately the IEEE committee for precision 7mm connectors had provided in its documentation as a minimum requirement that the outer conductor shell of a precision 7mm connector be common regardless of internal design or coupling mechanism used. This common feature allows either coupling mechanism (see photo) to be mounted on the outer conductor shell of a 7mm connector even when the connector is already mounted.

This is accomplished through the use of a simple spanner tool provided by the manufacturer.

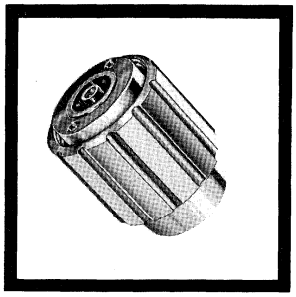
Since the airline assembly need not be disturbed, thus avoiding the possibility of upsetting the performance of the test equipment, it became obvious that many types of different test equipment equipped with different 7mm precision connectors could now be converted and joined or mated conveniently.

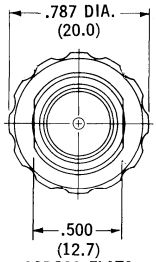
The two types of 7mm connectors currently in use are the "Precifix AA" (upper part of photo) and the "Precifix A" (lower part of photo), both manufactured by Americon Corporation. The Precifix AA type utilizes a sliding sleeve type coupling mechanism and will mate with coaxial test equipment manufactured by Hewlett-Packard, Wavecom, Rantec, and many others. The type shown in the lower portion of the photograph (Precifix A) is the type used by the Rohde & Schwarz Company, Munich, Germany and utilizes a toothed or crown type coupling mechanism which also fits the same outer conductor shell.

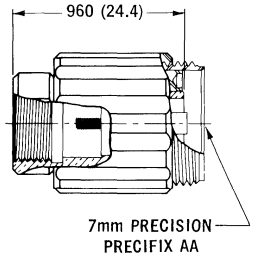
Both the Precifix A and the Precifix AA type connectors enjoy the exclusive characteristic of being resonance free to operating frequencies of 18.2 GHz through the use of a patented star-shaped bead support manufactured by Americon Corporation.

AP 7mm

PRECISION 7mm CONNECTORS
Sexless

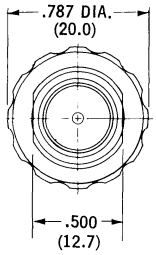


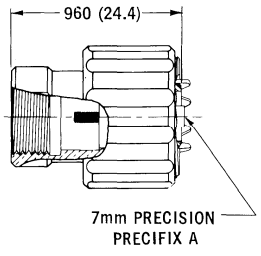




7000-0000

PRECIFIX AA



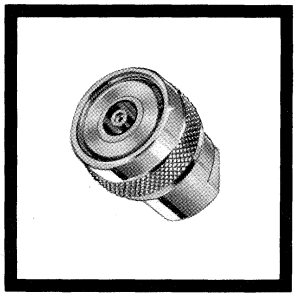


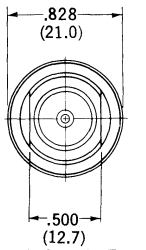
7100-0000

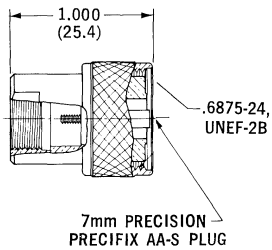
PRECIFIX A

These economical units interface with the standard Precifix AA type connectors and provide the same precision performance. They are available for semi-rigid cables of .141, .250, and .325 diameter as well as RG 214/U flexible cable.

Sexed

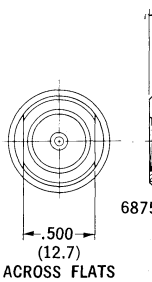


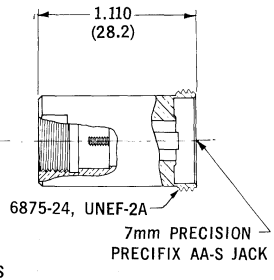




7301-0000

PRECIFIX AA-S PLUG





7302-0000

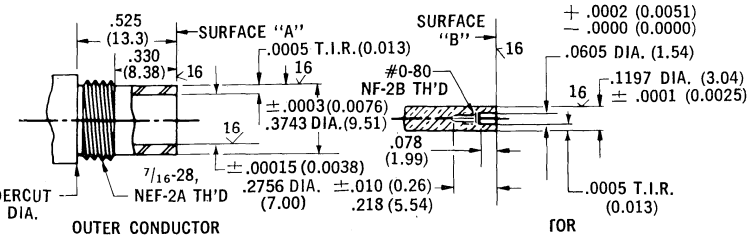
PRECIFIX AA-S JACK

PREPARATION OF AIRLINE

STRICT ADHERENCE TO THE DIMENSIONS SHOWN FOR OUTER AND INNER CONDUCTORS IS A REQUIREMENT FOR PRECISION PERFORMANCE.

NOTES:

1. Surface "A" to be perpendicular to .2756 and .3743 diameters within .0005 T.I.R.
2. Surface "B" to be perpendicular to .1197 and .0605 diameters within .0005 T.I.R.
3. Surface "B" to be flush to .0005 below face of outer conductor surface "A"



PRECISION 7mm CABLE CONNECTORS

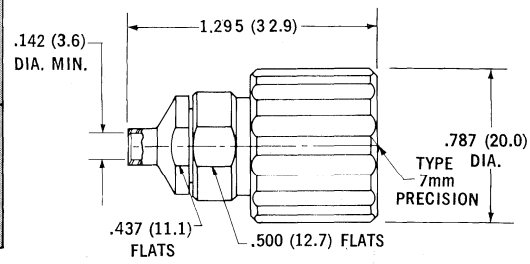
Precifix AA Sexless

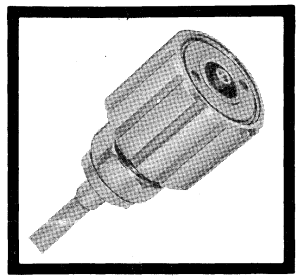
Semi-Rigid Cable Version

7000-7941

CABLE DIA. .141 (3.6)

DIRECT SOLDER TYPE





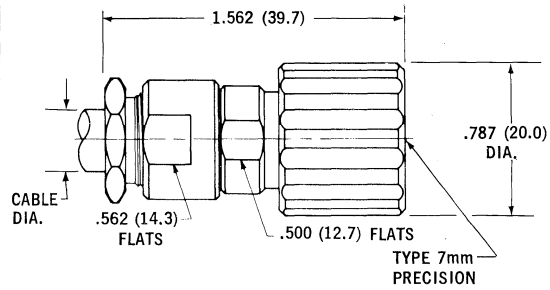
7000-7625

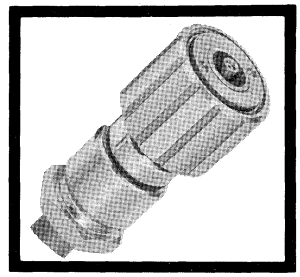
CABLE DIA. .325 (8.3)

7000-7650

CABLE DIA. .250 (6.4)

CABLE CLAMP TYPE



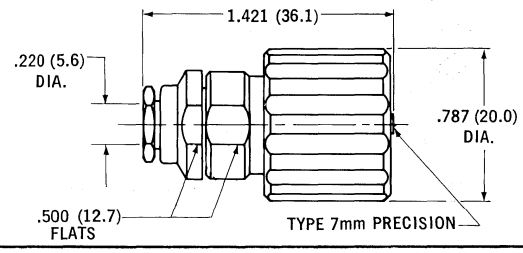


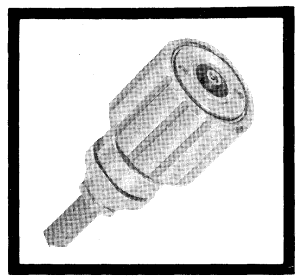
Flexible Cable Version

7000-7141

*USE CABLE TYPE A

CABLE CLAMP TYPE

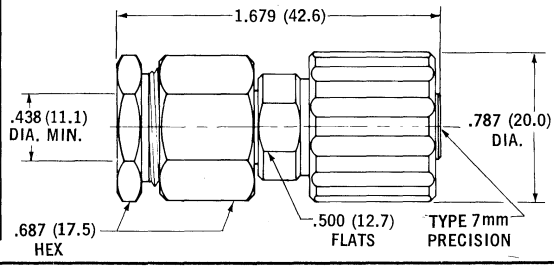


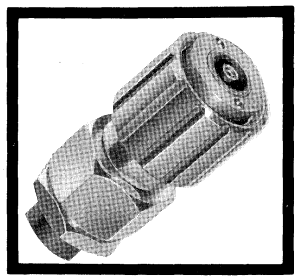


7000-7214

*USE CABLE TYPE B

CABLE CLAMP TYPE

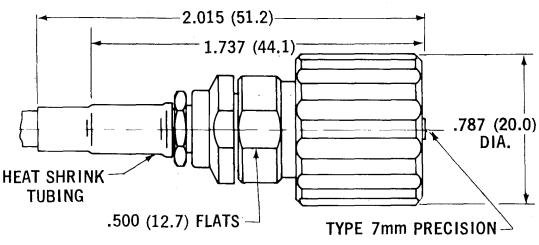


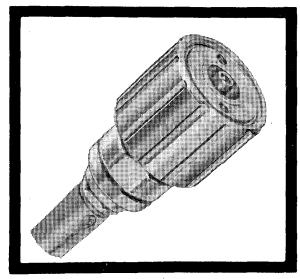


7030-7141

*USE CABLE TYPE A

CABLE CRIMP TYPE





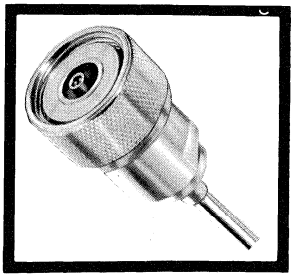
*Cable Type A includes: RG-55 U, 58 U, 141/U, 142 U, 233 U & 303 U.
Cable Type B includes: RG-214 U.
NOTE: For Precifix A versions of above use 7100 series numbers.
Example: Precifix A version of 7000-7941 is 7100-7941.

AP 7mm

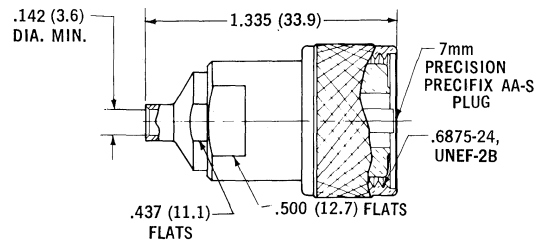
PRECISION 7mm CABLE CONNECTORS

Precifix AA-S Plug

Semi-Rigid Cable Version

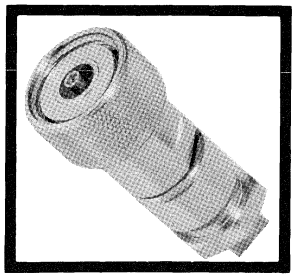


DIRECT SOLDER TYPE

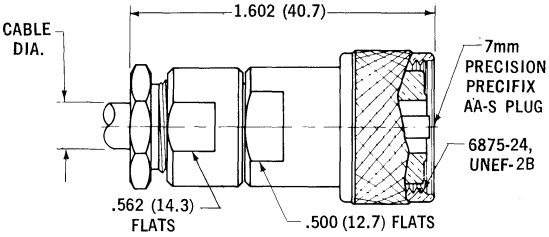


7301-7941

CABLE DIA. .141 (3.6)



CABLE CLAMP TYPE



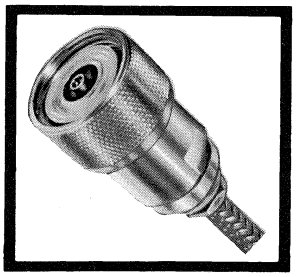
7301-7625

CABLE DIA. .325 (8.3)

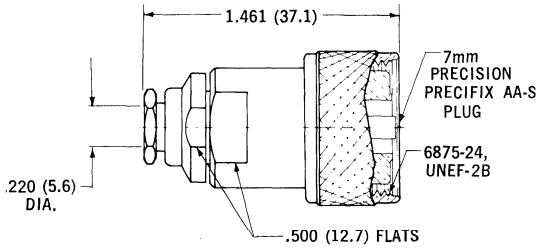
7301-7650

CABLE DIA. .250 (6.4)

Flexible Cable Version

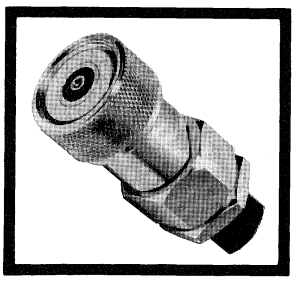


CABLE CLAMP TYPE

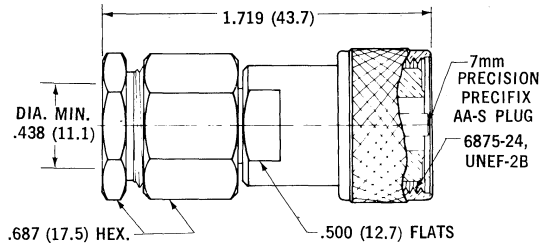


7301-7141

*USE CABLE TYPE A

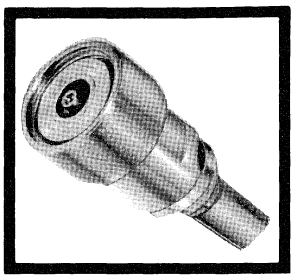


CABLE CLAMP TYPE

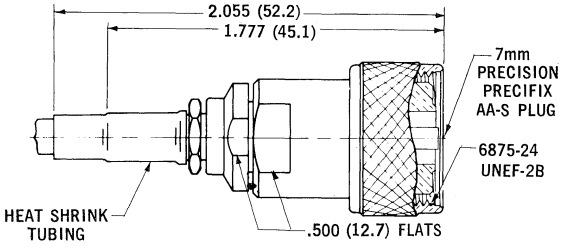


7301-7214

*USE CABLE TYPE B



CABLE CRIMP TYPE



7331-7141

*USE CABLE TYPE A

Cable Type A includes: RG-55/U, 58/U, 141/U, 142/U, 233/U & 303/U.
Cable Type B includes: RG-214/U.

PRECISION 7mm CABLE CONNECTORS

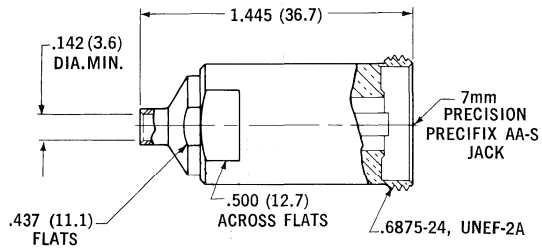
Precifix AA-S Jack

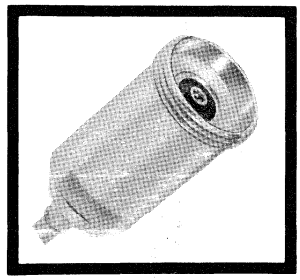
Semi-Rigid Cable Version

AP 7mm

7302-7941
CABLE DIA. .141 (3.6)

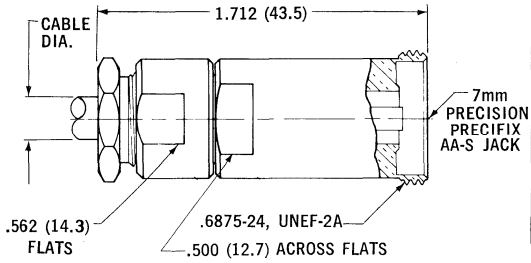
DIRECT SOLDER TYPE

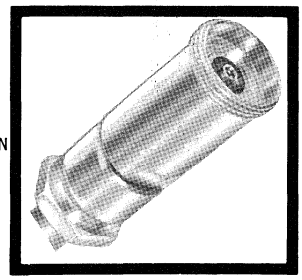




7302-7625
CABLE DIA. .325 (8.3)
7302-7650
CABLE DIA. .250 (6.4)

CABLE CLAMP TYPE

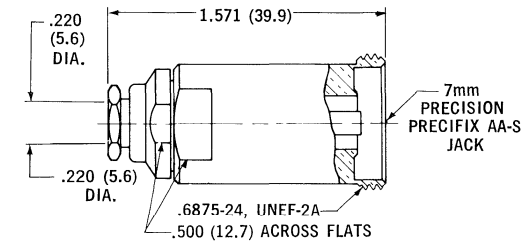


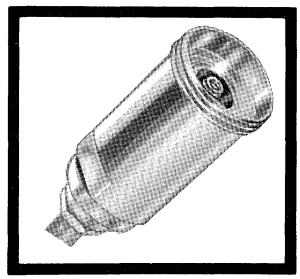


Flexible Cable Version

7302-7141
*USE CABLE TYPE A

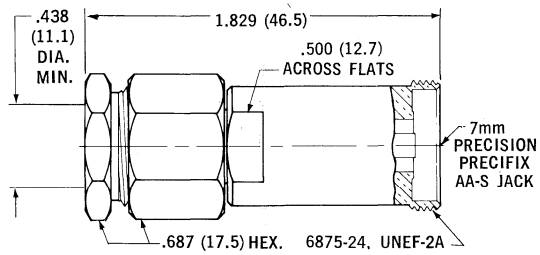
CABLE CLAMP TYPE

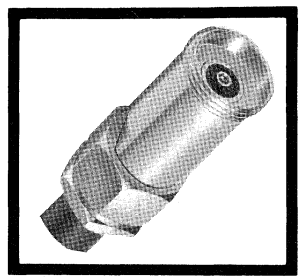




7302-7214
*USE CABLE TYPE B

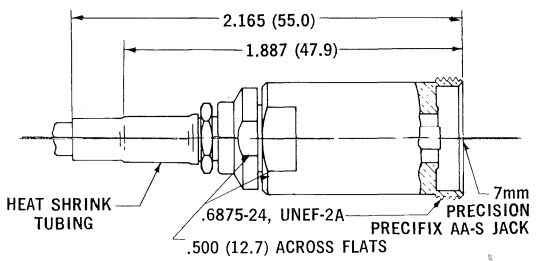
CABLE CLAMP TYPE

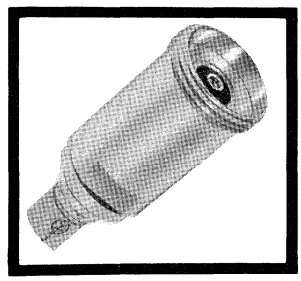




7332-7141
*USE CABLE TYPE A

CABLE CRIMP TYPE

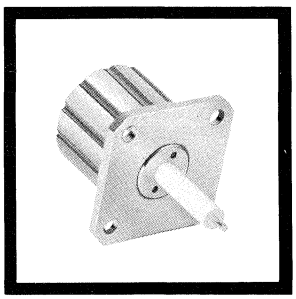


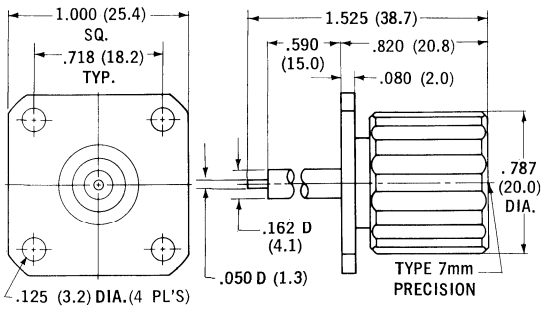


Cable Type A includes: RG-55/U, 58/U, 141/U, 142 U, 233 U & 303 U.
Cable Type B includes: RG-214/U.

AP 7mm

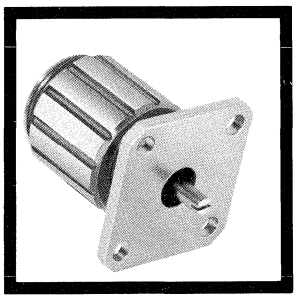
PRECISION 7mm CONNECTORS
Precifix AA Receptacles

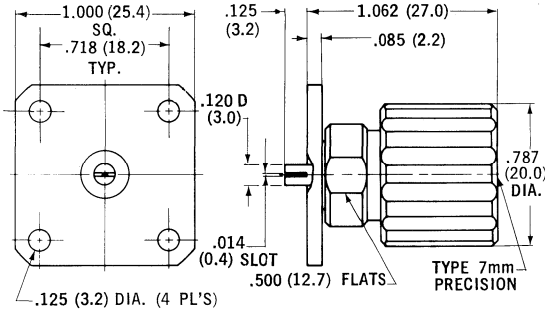




7052-1200

PANEL RECEPTACLE

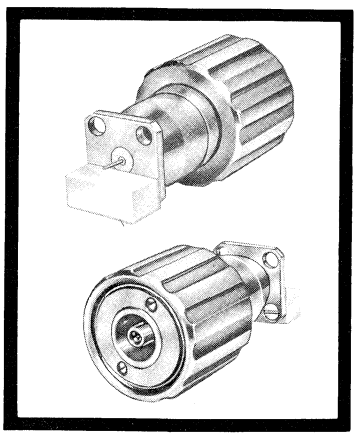




7052-5005

PANEL RECEPTACLE

Microstrip Transitions



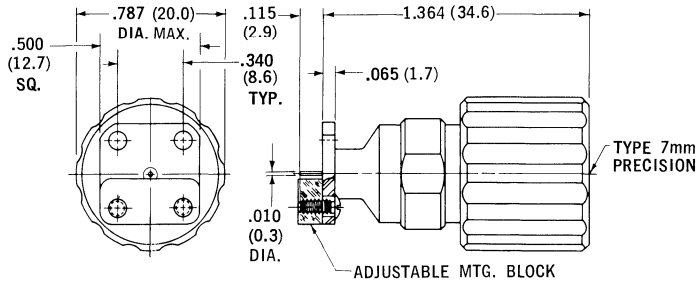
MODELS:

7052-1120/7152-1120

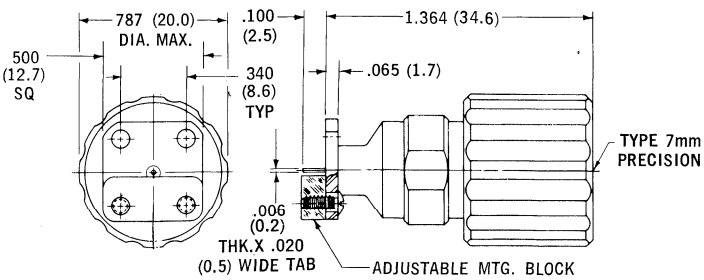
7052-1130/7152-1130

Connector:
Precifix AA/Precifix A
Impedance: 50 Ohms
Frequency Range:
D.C. to 18 GHz
VSWR: 1.10:1 Typical

Designed for mounting on standard ½ inch flange surfaces these precision microstrip transitions allow easy mounting on miniature packages for circuit evaluation on 7mm type test equipment such as a network analyzer. They can be supplied in matched calibrated pairs with **"PRECIFIX A"** or **"PRECIFIX AA"** coupling mechanisms.



7052-1120



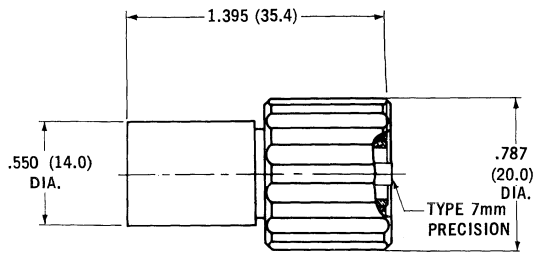
7052-1130

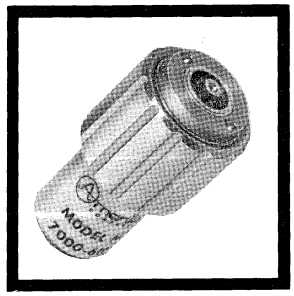
PRECISION 7mm TERMINATIONS

AP 7mm

7000-6100
PRECIFIX AA

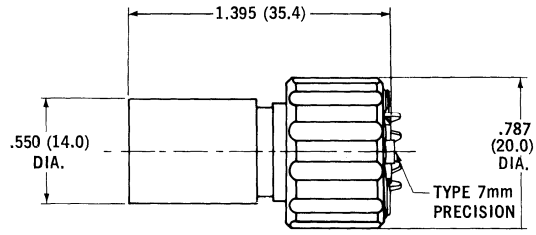
V.S. W.R. (MAX.)
1.02:1 DC-10 GHz
1.06:1 10-18 GHz

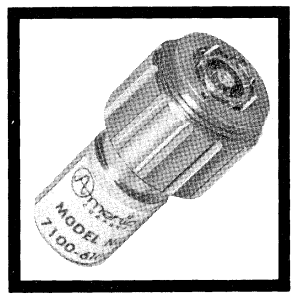




7100-6100
PRECIFIX A

V.S. W.R. (MAX.)
1.02:1 DC-10 GHz
1.06:1 10-18 GHz

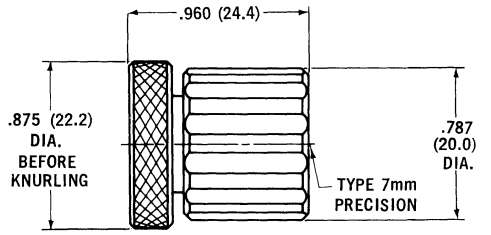


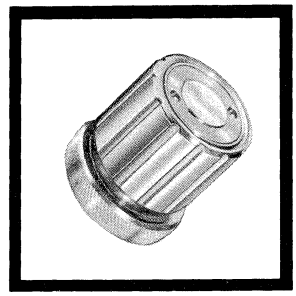


PRECISION 7mm
RF Shorts and Opens

7000-1314
PRECIFIX AA
RF SHORT

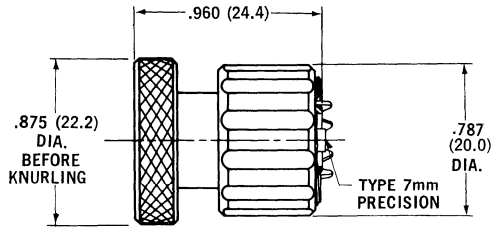
7000-1315
PRECIFIX AA
OPEN

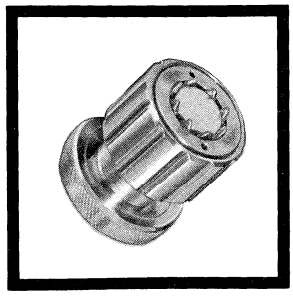




7100-1314
PRECIFIX A
RF SHORT

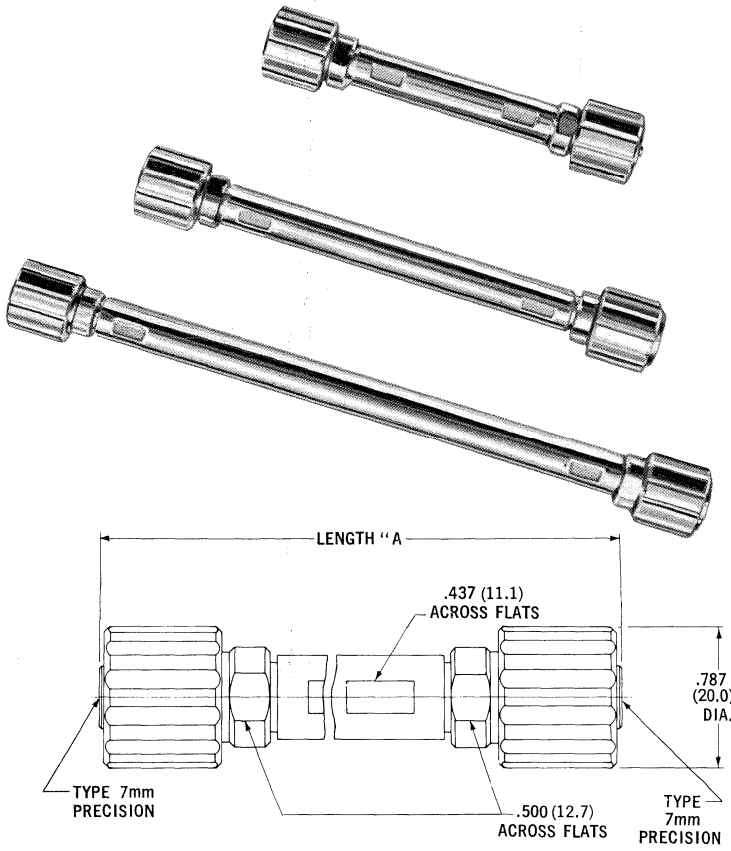
7100-1315
PRECIFIX A
OPEN





AP 7mm

PRECISION 7mm AIRLINES



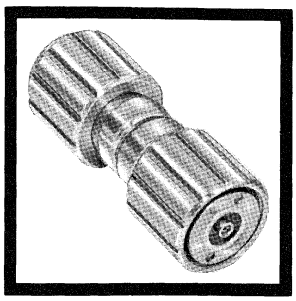
The 7000-6230 series of Americon Precision 7mm Airlines are laboratory standards. They are supplied completely assembled with a choice of two types of 7mm connectors.

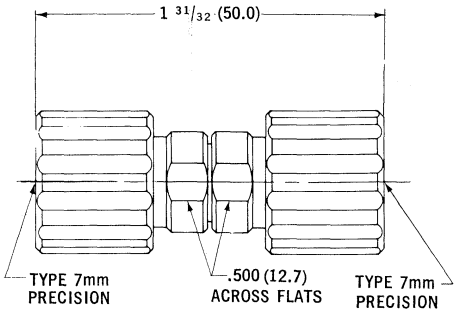
These standard airlines are useful as 50 ohm reference lines for Time Domain Reflectometer use or as accurate wavelength function equipment for smithchart plotting of very accurate measurements.

Specially trimmed inner or outer conductors or airline assemblies are available on request.

LENGTH "A"		λ/4 @ fmHz	7mm CONNECTOR TYPE	
			PRECIFIX AA	PRECIFIX A
cm	INCHES		PART NO.	PART NO.
20	7.874	375 mHz	**7000-6230**	**7100-6230**
15	5.906	500 mHz	**7000-6231**	**7100-6231**
10.706	4.215	700 mHz	**7000-6232**	**7100-6232**
8.326	3.278	900 mHz	**7000-6233**	**7100-6233**
7.493	2.950	1000 mHz	**7000-6234**	**7100-6234**
COMPLETE SET OF FIVE AIRLINES			**7000-6235**	**7100-6235**
APPROX. 12 IN (30.48 cm) OUTER CONDUCTOR ONLY			**7000-6236**	
APPROX. 12 IN (30.48 cm) INNER CONDUCTOR ONLY			**7000-6237**	

IN SERIES ADAPTERS





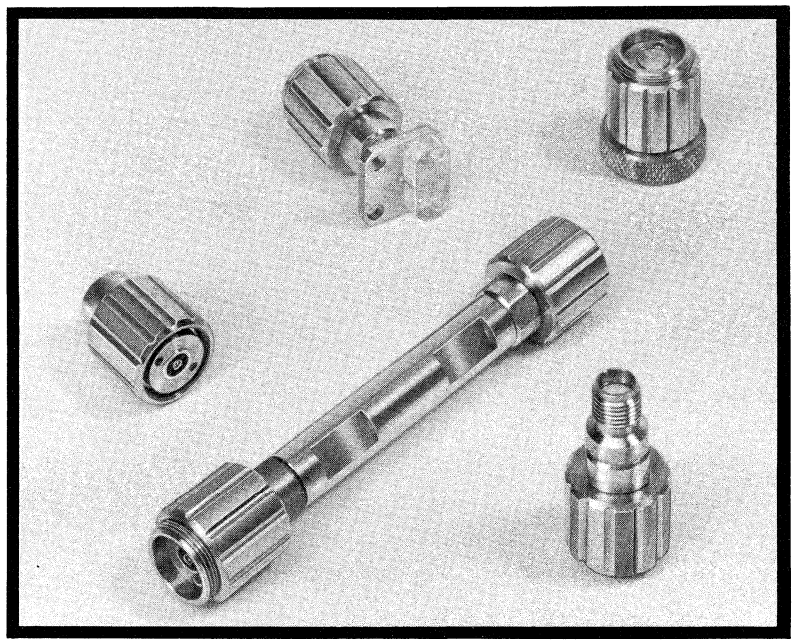
7081-0000
7mm PRECIFIX AA TO 7mm PRECIFIX AA ADAPTER

*Note: For information regarding 7mm to other Interface Adapters see Adapter Chart located on pages 126 and 127.

AP 3.5mm

PRECISION MINIATURE CONNECTORS

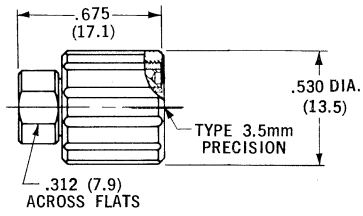
The future for coaxial microwave product lies in the performance ability of precision miniature coaxial connectors when applied to either a working system or a laboratory test set up. Americon's AP 3.5mm miniature precision connector opens the door for coaxial performance in the upper frequency regions of 36 GHz.

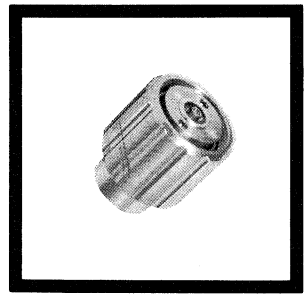


IMPEDANCE: 50 OHMS ± .2%
FREQUENCY RANGE: D.C. to 36 GHz
V.S.W.R.: 1.005 + .003 f(GHz)
INSERTION LOSS: 3 x 10^{-3} fGHz
R.F. LEAKAGE: 120 db @ 4 GHz
(Coupling nut tightened to 8 in lbs.)
CAPTIVATION: All moveable parts are captivated

3500-0000

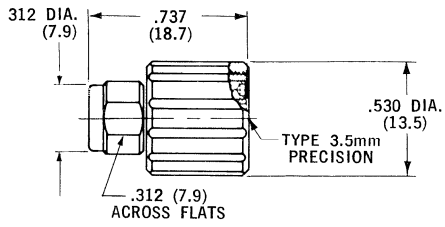
3.5mm PRECISION CONNECTOR

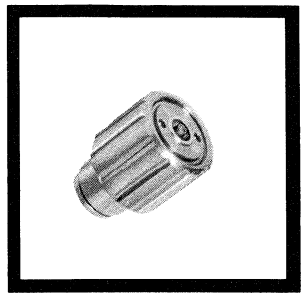




3500-6100

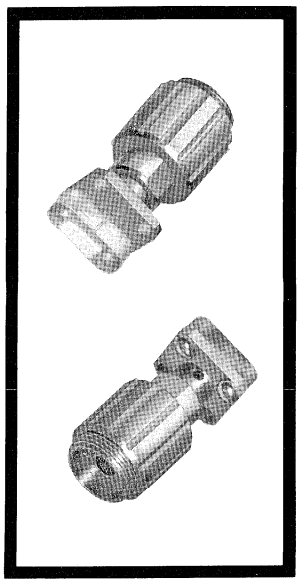
3.5mm PRECISION TERMINATION

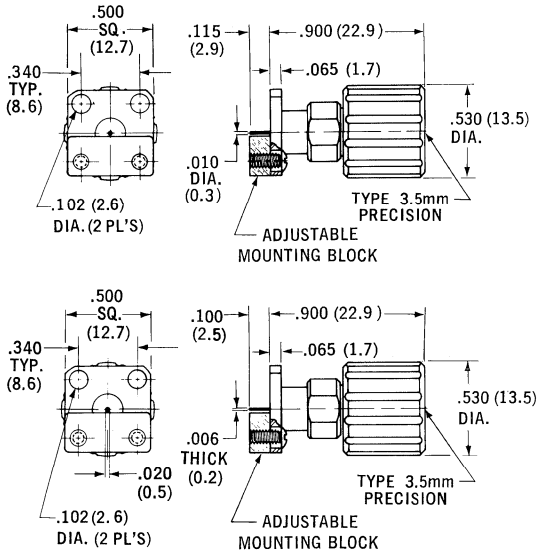




AP 3.5mm

MICROSTRIP TRANSITIONS





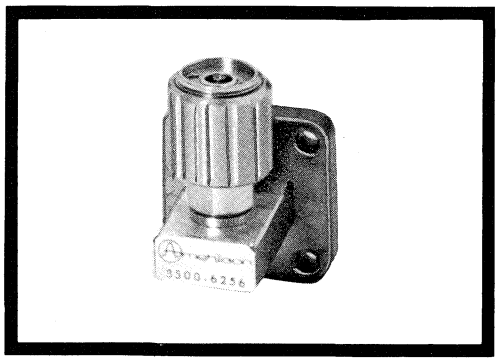
3552-1120

MICROSTRIP TRANSITION
ROD CONTACT TYPE

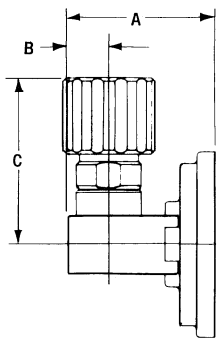
3552-1130

MICROSTRIP TRANSITION
TAB CONTACT TYPE

WAVEGUIDE TO 3.5mm PRECISION COAXIAL ADAPTERS



- **FREQUENCY RANGE: 2.6 TO 40.0**
- **CONNECTOR: 3.5mm PRECISION**
- **V.S.W.R.: 1.1:1 TYPICAL**
  1.25:1 MAX



AMERICON PART NO.	FREQUENCY RANGE (GHz)	WAVEGUIDE TYPE	FLANGE TYPE*	DIM A ±.015 (0.38)	DIM B ±.015 (0.38)	DIM C ±.015 (0.38)
3500-6250	2.6-3.95	WR-284	UG-584/U	2.478 (62.9)	1.123 (28.5)	1.472 (37.4)
3500-6251	3.95-5.85	WR-187	UG-407/U	1.875 (47.6)	.719 (18.3)	1.222 (31.0)
3500-6252	5.85-8.2	WR-137	UG-441/U	1.500 (38.1)	.500 (12.7)	1.097 (27.9)
3500-6253	7.05-10.0	WR-112	UG-138/U	1.281 (32.5)	.375 (9.5)	1.034 (26.3)
3500-6258	7.0-11.0	WR-102	UG-1493/U	1.440 (36.6)	.490 (12.4)	1.041 (26.4)
3500-6254	8.2-12.4	WR-90	UG-135/U	1.281 (32.5)	.375 (9.5)	.972 (24.7)
3500-6257	10.0-15.0	WR-75	No UG Designation	1.250 (31.8)	.359 (9.1)	.960 (24.4)
3500-6255	12.4-18.0	WR-62	UG-419/U	1.250 (31.8)	.297 (7.5)	.918 (23.3)
3500-6256	18.0-26.5	WR-42	UG-597/U	1.000 (25.4)	.312 (7.9)	.847 (21.5)
3500-6270	26.5-40.0	WR-28	ALUM 599/U	1.000 (25.4)	.312 (7.9)	.832 (21.1)

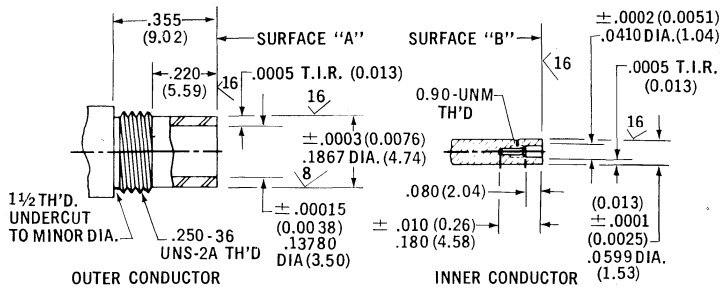
* Also available with choke flanges as part nos. 3500-6260 thru 3500-6280

PRECISION 3.5mm ACCESSORIES

AP 3.5mm

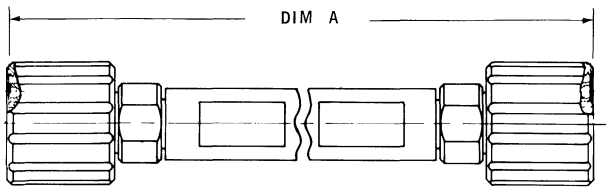
Airlines

Strict adherence to the dimensions shown for outer and inner conductors is a requirement for precision performance.



NOTES: PREPARATION OF AIRLINE

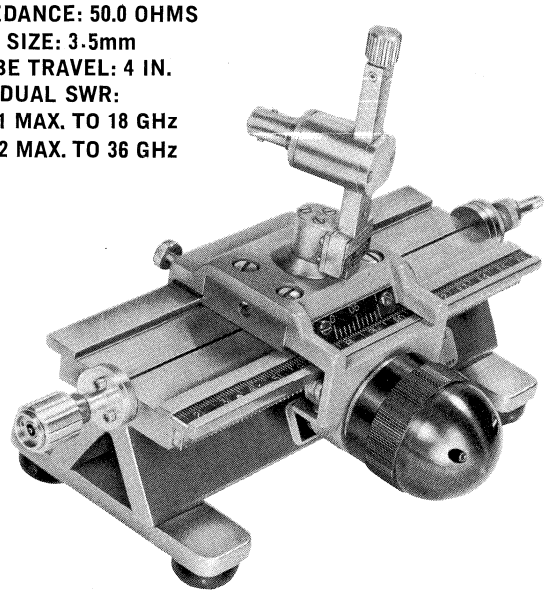
1. Surface "A" to be perpendicular to .1378 and .1867 diameters within .0005 T.I.R.
2. Surface "B" to be perpendicular to .0599 and .0410 diameters within .0005 T.I.R.
3. Surface "B" to be flush to .0005 below face of outer conductor surface "A"



LENGTH A	λ/4 θ fmHz	PART NUMBER
10.706 cm	700 mHz	**3500-6232**
8.326 cm	900 mHz	**3500-6233**
7.493 cm	1000 mHz	**3500-6234**

Slotted Line

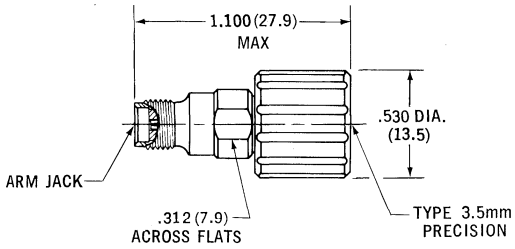
- **FREQUENCY RANGE: 2-36 GHz**
- **IMPEDANCE: 50.0 OHMS**
- **LINE SIZE: 3.5mm**
- **PROBE TRAVEL: 4 IN.**
- **RESIDUAL SWR:**
  - **1.01 MAX. TO 18 GHz**
  - **1.02 MAX. TO 36 GHz**

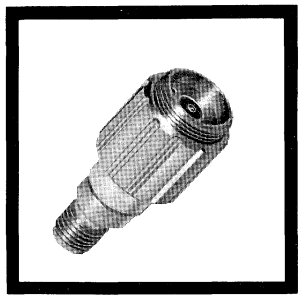


PART NUMBER	OUTPUT CONNECTOR	INPUT CONNECTOR	OPTIONAL TUNEABLE PROBE	FREQ GHz
3500-6210	AP 3.5mm	ARSM JACK	**3500-6221**	2-18
			3500-6222	18-25
			3500-6223	25-36

2082-2350

ARM JACK TO 3.5mm ADAPTER *



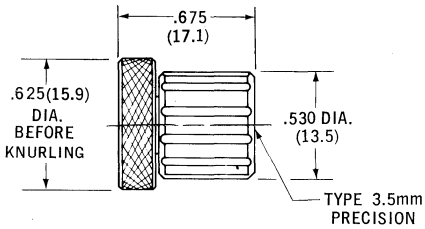


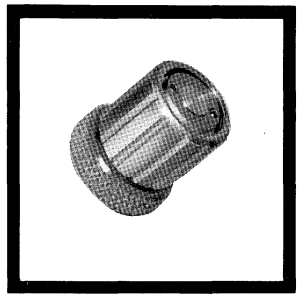
3500-1314

RF SHORT

3500-1315

OPEN





*An Arm Plug to 3.5 mm Adapter is also available as part no. 2081-2350.

PRECISION CONNECTORS

Americon precision N connectors are among the very first to achieve non-resonant performance through 18 GHz. The new improved interface shown below evolved out of the class I type N connectors referred to in MIL-C-39012. This improved interface design is utilized throughout the series allowing normal mating with all standard N types while providing superior performance throughout the frequency band of DC to 18 GHz.

The units are available in cable versions which fit a wide variety of both standard semi-rigid and flexible cables for solder clamp and crimp type attachments.

In addition, a complete variety of panel and bulkhead receptacles, along with stripline receptacles and launchers are available.

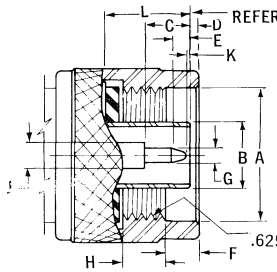
The semi-rigid cable units are generally constructed of passivated stainless steel while the flexible cable types and receptacles are nickel plated brass dependent on preference. The center conductors are manufactured of durable gold plated beryllium copper and the insulation is of virgin TFE teflon.

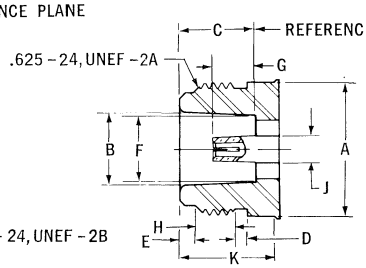
When ordering a part with a specific material and finish, suffix the part number with the proper dash number. (see table) For example . . . A gold plated brass version of **3052-0000** would be **3052-0000-09**

CODE	SUFFIX NUMBER			
	-02	-03	-09	-10
MATERIAL	STAINLESS STEEL	BRASS	BRASS	BRASS
FINISH	PASSIVATED	SILVER	GOLD	NICKEL

N INTERFACE PER MIL-C-39012

PLUG





JACK

LTR.	INCHES (MILLIMETERS)		
	MINIMUM	NOMINAL	MAXIMUM
A	.630 (16.0)		
B			.330 (8.4)
C	.210 (5.3)		
D	.016 (0.4)	.038 (1.0)	.060 (1.5)
E	.130 (3.3)	.150 (3.8)	.170 (4.3)
F	.158 (4.0)	.163 (4.2)	.168 (4.3)
G	.063 (1.6)	.065 (1.7)	.066 (1.7)
H	.177 (4.5)	.187 (4.8)	.197 (5.0)
J	.119 (3.0)	.121 (0.5)	.124 (3.2)
K	.003 (0.1)		
L	.398 (10.1)	.403 (10.2)	.412 (10.5)

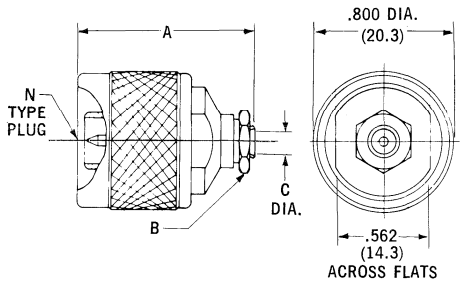
LTR.	INCHES (MILLIMETERS)		
	MINIMUM	NOMINAL	MAXIMUM
A			.627 (15.9)
B	.336 (8.5)	.340 (8.6)	.344 (8.8)
C	.356 (9.1)	.359 (9.1)	.362 (9.2)
D	.047 (1.2)	.062 (1.6)	.077 (2.0)
E	.047 (1.2)	.062 (1.6)	.077 (2.0)
F	.316 (8.0)	.318 (8.1)	.320 (8.1)
G			.207 (5.3)
H	.172 (4.4)	.187 (4.8)	.202 (5.1)
I	.119 (3.0)	.121 (0.5)	.124 (3.2)
K	.422 (10.7)		

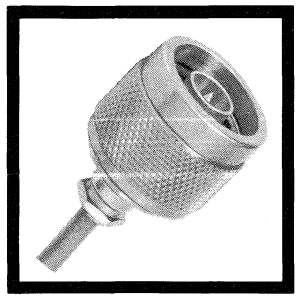
SEMI-RIGID CABLE CONNECTORS
Solder Clamp Version

CABLE TYPE		
.141	.085	DIA

STRAIGHT CABLE PLUG

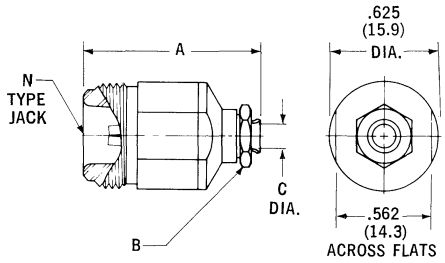
3001-7841		3001-7885		
INCHES	mm	INCHES	mm	DIM
1.050 MAX	26.7	1.050 MAX	26.7	A
.312 HEX	7.9	.312 HEX	7.9	B
.142 MIN	3.6	.088 MIN	2.2	C





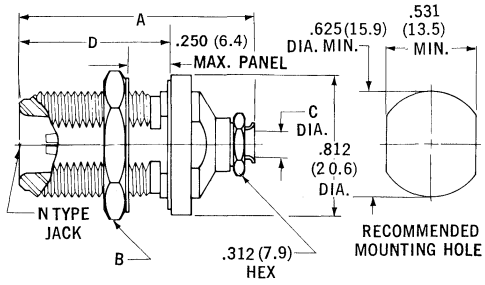
STRAIGHT CABLE JACK

3002-7841		3002-7885		
INCHES	mm	INCHES	mm	DIM
1.035 MAX	26.3	1.035 MAX	26.3	A
.312 HEX	7.9	.312 HEX	7.9	B
.142 MIN	3.6	.088 MIN	2.2	C



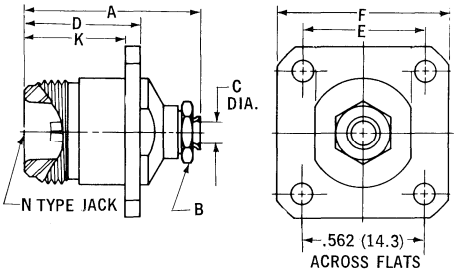
STRAIGHT BULKHEAD CABLE JACK

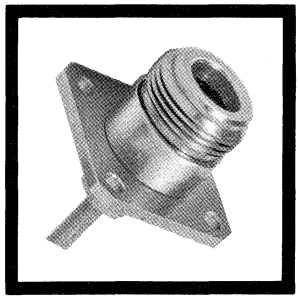
3004-7841		3004-7885		
INCHES	mm	INCHES	mm	DIM
1.375 MAX	34.9	1.375 MAX	34.9	A
.750 HEX	19.1	.750 HEX	19.1	B
.142 MIN	3.6	.088 MIN	2.2	C
.884	22.5	.884	22.5	D



3006-7841		3006-7885		
INCHES	mm	INCHES	mm	DIM
1.035 MAX	26.3	1.035 MAX	26.3	A
.312 HEX	7.9	.312 HEX	7.9	B
.142 MIN	13.6	.088 MIN	2.2	C
.675	17.1	.675	17.1	D
.718 TYP	18.2	.718 TYP	18.2	E
1.000 SQ	25.4	1.000 SQ	25.4	F
.595	15.1	.595	15.1	K

STRAIGHT PANEL CABLE JACK



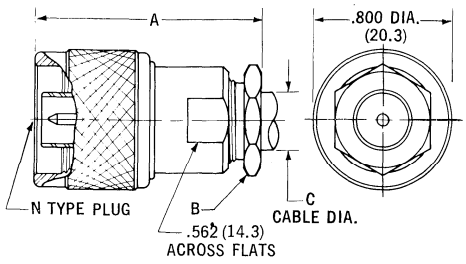


These units are constructed of passivated stainless steel.

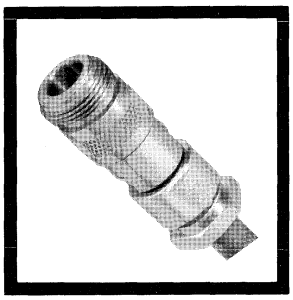
SEMI-RIGID CABLE CONNECTORS
Cable Clamp Version (Recommended)

DIA	CABLE TYPE .250	CABLE TYPE .325

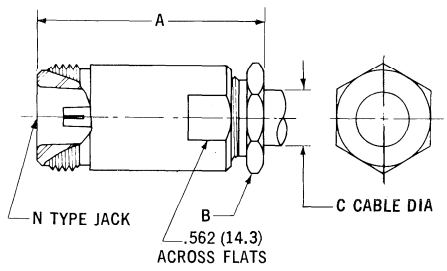
STRAIGHT CABLE PLUG



DIM	3001-7650 INCHES	3001-7650 mm	3001-7625 INCHES	3001-7625 mm
A	1.350 MAX	34.3	1.350 MAX	34.3
B	.562 HEX	14.3	.562 HEX	14.3
C	.250	6.4	.325	8.3



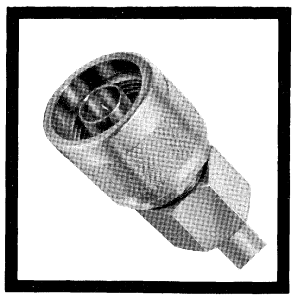
STRAIGHT CABLE JACK



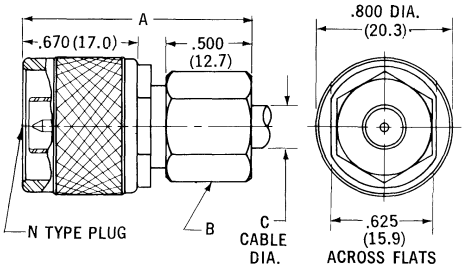
DIM	3002-7650 INCHES	3002-7650 mm	3002-7625 INCHES	3002-7625 mm
A	1.350 MAX	34.3	1.350 MAX	34.3
B	.562 HEX	14.3	.562 HEX	14.3
C	.250	6.4	.325	8.3

Cable Clamp Version (Pressure Gasket Locking Type)

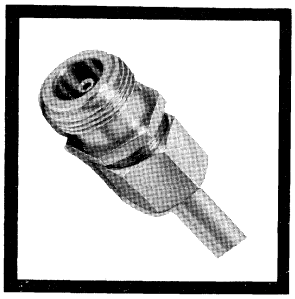
DIA	CABLE TYPE .250	CABLE TYPE .325



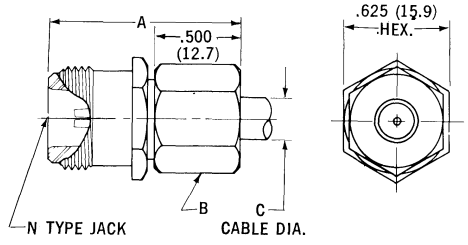
STRAIGHT CABLE PLUG



DIM	3001-7750 INCHES	3001-7750 mm	3001-7725 INCHES	3001-7725 mm
A	1.340 MAX	34.0	1.340 MAX	34.0
B	.562 HEX	14.3	.562 HEX	14.3
C	.250	6.4	.325	8.3



STRAIGHT CABLE JACK



DIM	3002-7750 INCHES	3002-7750 mm	3002-7725 INCHES	3002-7725 mm
A	1.120 MAX	28.5	1.120 MAX	28.5
B	.562 HEX	14.3	.562 HEX	14.3
C	.250	6.4	.326	8.3

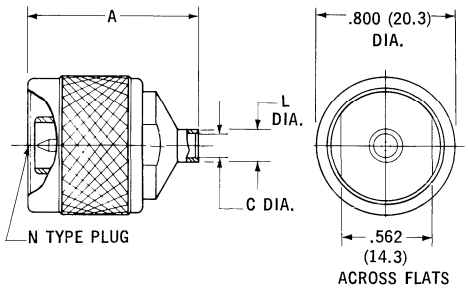
These units are constructed of passivated stainless steel.

SEMI-RIGID CABLE CONNECTORS
Direct Solder Version

CABLE TYPE		
.141	.085	DIA

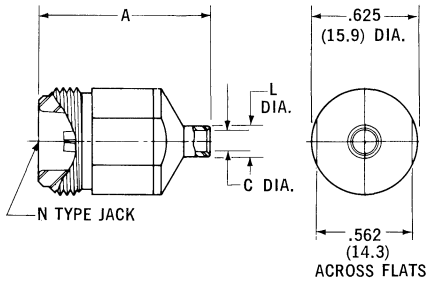
STRAIGHT CABLE PLUG

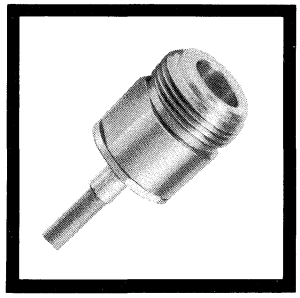
3001-7941		3001-7985		
INCHES	mm	INCHES	mm	DIM
.970	24.6	.970	24.6	A
.142 MIN	3.6	.088 MIN	2.2	C
.184	4.7	.120	3.0	L



STRAIGHT CABLE JACK

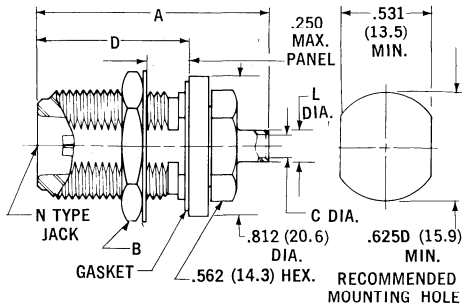
3002-7941		3002-7985		
INCHES	mm	INCHES	mm	DIM
1.000	25.4	1.000	25.4	A
.142 MIN	3.6	.088 MIN	2.2	C
.184	4.7	.120	3.0	L

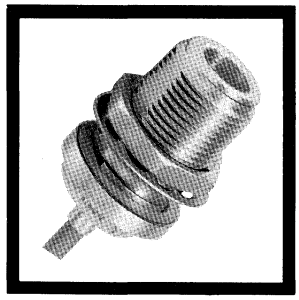




STRAIGHT BULKHEAD CABLE JACK

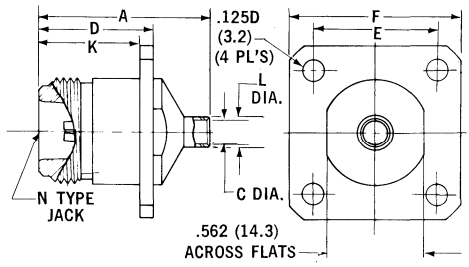
3004-7941		3004-7985		
INCHES	mm	INCHES	mm	DIM
1.335	34.0	1.335	34.0	A
.750 HEX	19.1	.750 HEX	19.1	B
.142 MIN	3.6	.088 MIN	2.2	C
.884	22.5	.884	22.5	D
.184	4.7	.120	3.0	L

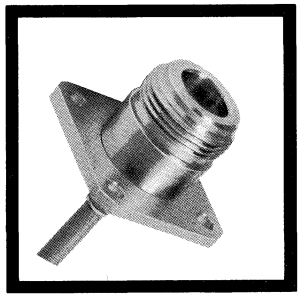




3006-7941		3006-7985		
INCHES	mm	INCHES	mm	DIM
1.000	25.4	1.000	25.4	A
.142 MIN	3.6	.088 MIN	2.2	C
.675	17.1	.675	17.1	D
.718 TYP	18.2	.718 TYP	18.2	E
1.000 SQ	25.4	1.000 SQ	25.4	F
.595	15.1	.595	15.1	K
.184	4.7	.120	3.0	L

STRAIGHT PANEL CABLE JACK



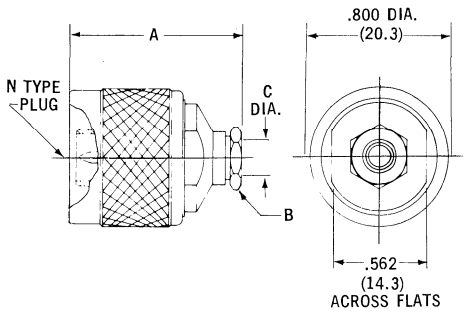


These units are constructed of passivated stainless steel with gold plating in cable soldering areas.

FLEXIBLE CABLE CONNECTORS
Cable Clamp Version

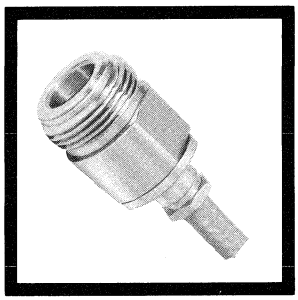
CABLE CLAMP					
RG/U	55 141 223	58 142 303	174 187 ** 316	179 ** 188	180 195

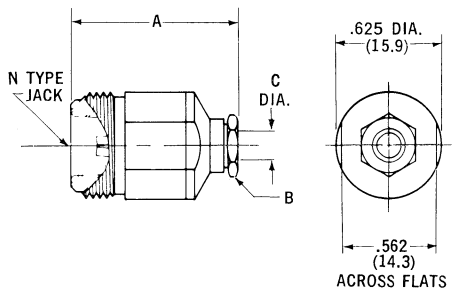
STRAIGHT CABLE PLUG



DIM	3001-7141-10		3001-7188-10		3001-7195-10	
	INCHES	mm	INCHES	mm	INCHES	mm
A	1.050 MAX	26.7	1.050 MAX	26.7	1.050 MAX	26.7
B	.312 HEX	7.9	.312 HEX	7.9	3.12 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1

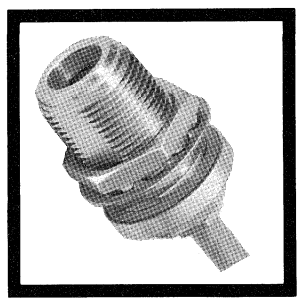
STRAIGHT CABLE JACK

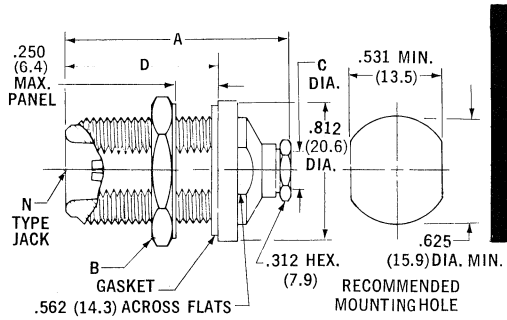




DIM	3002-7141-10		3002-7188-10		3002-7195-10	
	INCHES	mm	INCHES	mm	INCHES	mm
A	1.035 MAX	26.3	1.035 MAX	26.3	1.035 MAX	26.3
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1

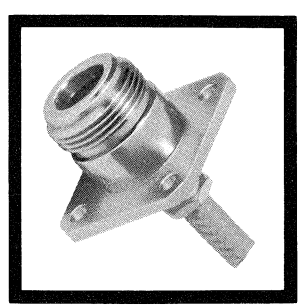
STRAIGHT BULKHEAD CABLE JACK

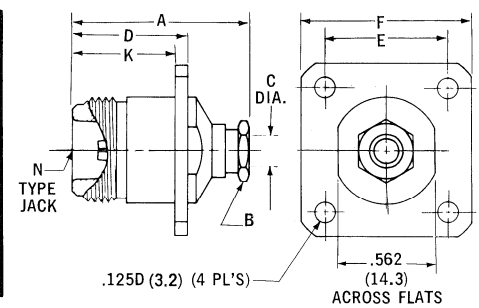




DIM	3004-7141-10		3004-7188-10		3004-7195-10	
	INCHES	mm	INCHES	mm	INCHES	mm
A	1.375 MAX	34.9	1.375 MAX	34.9	1.375 MAX	34.9
B	.750 HEX	19.1	.750 HEX	19.1	.750 HEX	19.1
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1
D	.884	22.5	.884	22.5	.884	22.5

STRAIGHT PANEL CABLE JACK





DIM	3006-7141-10		3006-7188-10		3006-7195-10	
	INCHES	mm	INCHES	mm	INCHES	mm
A	1.035 MAX	26.3	1.035 MAX	26.3	1.035 MAX	26.3
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1
D	.675	17.1	.675	17.1	.675	17.1
E	.718 TYP	18.2	.718 TYP	18.2	.718 TYP	18.2
F	1.000 SQ	25.4	1.000 SQ	25.4	1.000 SQ	25.4
K	.595	15.1	.595	15.1	.595	15.1

These units as shown above are constructed of nickel plated brass. For passivated stainless steel versions change —10 suffix to —02.

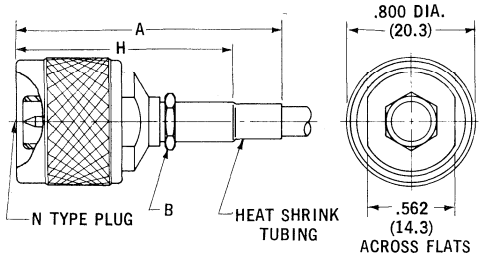
**Subminiature 75 ohm cables.

FLEXIBLE CABLE CONNECTORS
Cable Crimp Version

CABLE TYPE		
55 58 141 142 223 303	174 179 * 187 ** 188 316	180 195
		RG/U

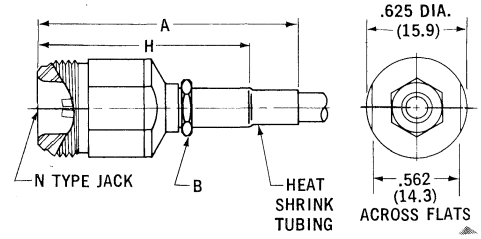
STRAIGHT CABLE PLUG

3031-7141-10		3031-7188 -10		3031-7195 -10		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.750 MAX	44.5	1.750 MAX	44.5	1.750 MAX	44.5	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
1.437 MAX	36.5	1.437 MAX	36.5	1.437 MAX	36.5	H



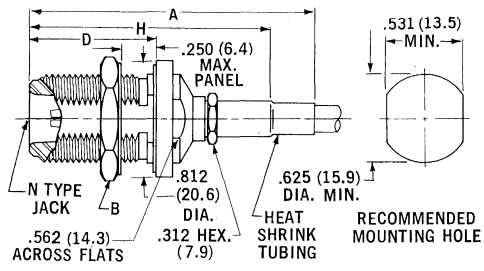
STRAIGHT CABLE JACK

3032-7141 -10		3032-7188 -10		3032-7195 -10		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.750 MAX	44.5	1.750 MAX	44.5	1.750 MAX	4 .5	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
1.437 MAX	36.5	1.437 MAX	36.5	1.437 MAX	36.5	H



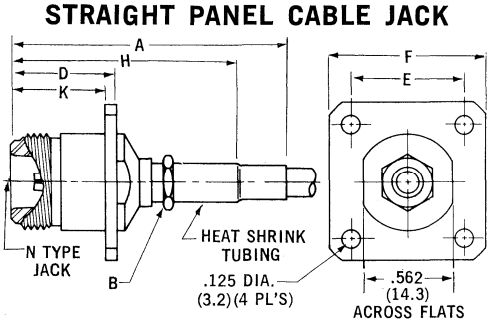
STRAIGHT BULKHEAD CABLE JACK

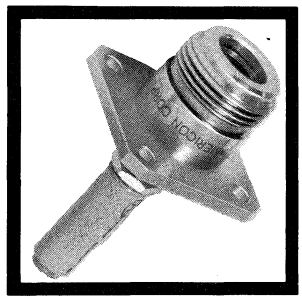
3034-7141 -10		3034-7188 -10		3034-7195 -10		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
2.075 MAX	52.7	2.075 MAX	52.7	2.075 MAX	52.7	A
.750 HEX	19.1	.750 HEX	19.1	.750 HEX	19.1	B
.884	22.5	.884	22.5	.884	22.5	D
1.781 MAX	45.2	1.781 MAX	45.2	1.781 MAX	45.2	H



STRAIGHT PANEL CABLE JACK

3036-7141 -10		3036-7188 -10		3036-7195 -10		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.750 MAX	44.5	1.750 MAX	44.5	1.750 MAX	44.5	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.675	17.1	.675	17.1	.675	17.1	D
.718 TYP	18.2	.718 TYP	18.2	.718 TYP	18.2	E
1.000 SQ	25.4	1.000 SQ	25.4	1.000 SQ	25.4	F
1.437 MAX	36.5	1.437 MAX	36.5	1.437 MAX	36.5	H
.595	15.1	.595	15.1	.595	15.1	K



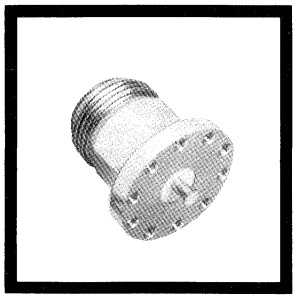


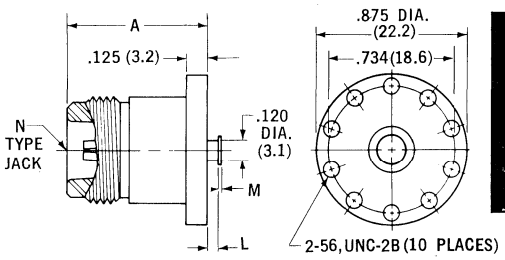
These units as shown above are constructed of nickel plated brass. For passivated stainless steel versions change –10 suffix to –02.

**Subminiature 75 ohm cables.

STRIPLINE CONNECTORS
Surface Launcher Type

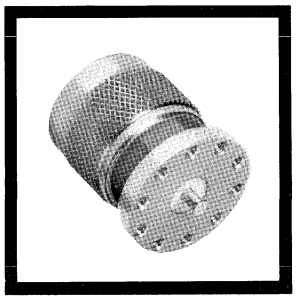
STRAIGHT SURFACE LAUNCHED JACK

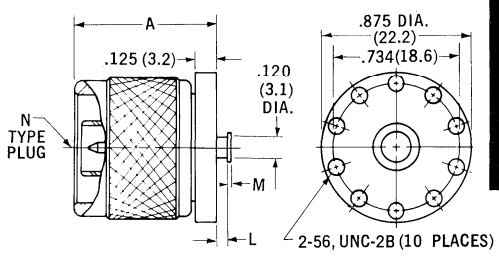




	STRIPLINE SIZE					
	1/8		1/4		3/8	
	3066-1442-10		3066-1443-10		3066-1444-10	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.816	20.7	.816	20.7	.816	20.7
L	.063	1.6	.125	3.2	.187	4.8
M	.010	0.3	.010	0.3	.010	.03

STRAIGHT SURFACE LAUNCHED PLUG



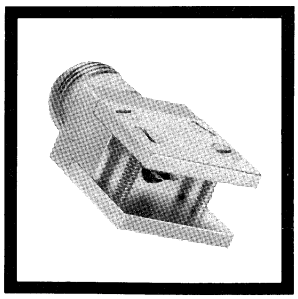


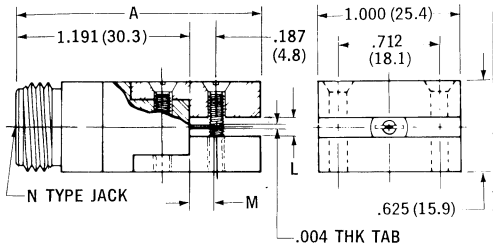
	3067-1442-10		3067-1443-10		3067-1444-10	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.803	20.3	.803	20.3	.803	20.3
L	.063	1.6	.125	3.2	.187	4.8
M	.010	0.3	.010	0.3	.010	0.3

These units as shown above are constructed of nickel plated brass. For passivated stainless steel versions change —10 suffix to —02.

End Launcher Type

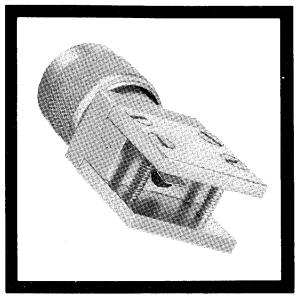
STRAIGHT END LAUNCHED JACK

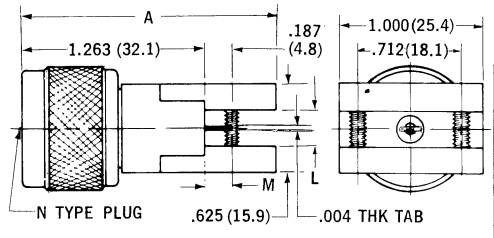




	STRIPLINE SIZE					
	1/8		1/4		3/8	
	3070-1402-10		3070-1403-10		3070-1404-10	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	1.689	42.9	1.689	42.9	1.689	42.9
L	.125	3.2	.250	6.4	.375	9.5
M	.187	4.8	.187	4.8	.187	4.8

STRAIGHT END LAUNCHED PLUG





	3071-1402-10		3071-1403-10		3071-1404-10	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	1.761	44.7	1.761	44.7	1.761	44.7
L	.125	3.2	.250	6.4	.375	9.5
M	.187	4.8	.187	4.8	.187	4.8

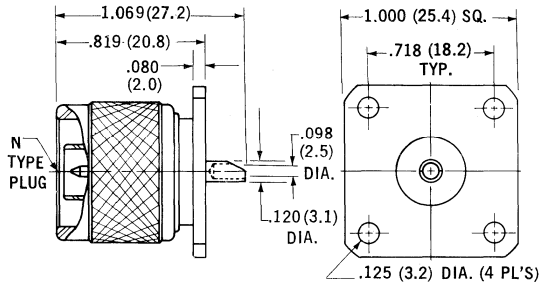
These units as shown above are constructed of nickel plated brass. For passivated stainless steel versions change —10 suffix to —02.

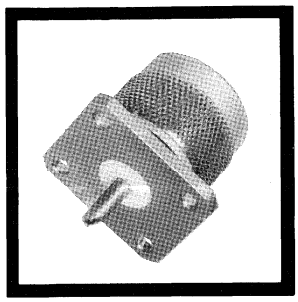
RECEPTACLES

3051-0000-10

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

STRAIGHT PANEL PLUG RECEPTACLE

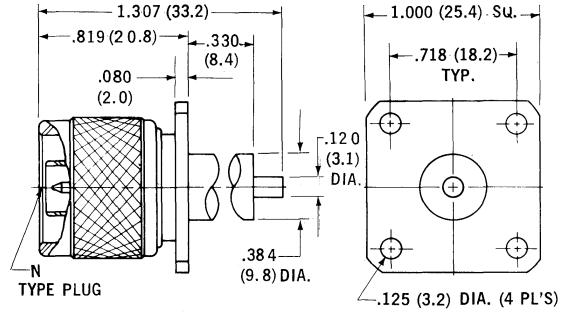


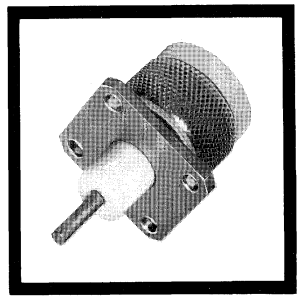


3051-1200-10
NON-CAPTIVATED
CENTER CONDUCTOR

3051-1201-10
CAPTIVATED
CENTER CONDUCTOR

STRAIGHT PANEL PLUG RECEPTACLE

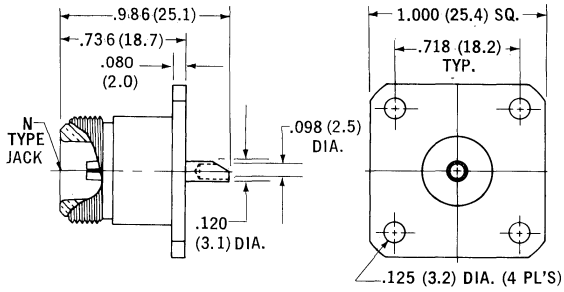


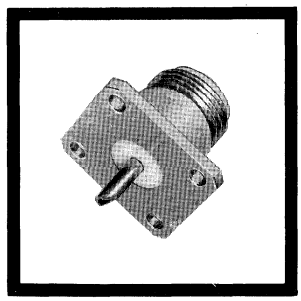


3052-0000-10

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

STRAIGHT PANEL JACK RECEPTACLE

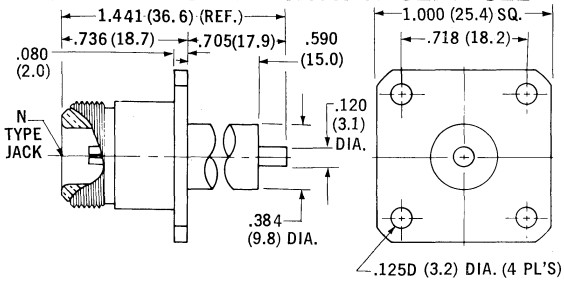


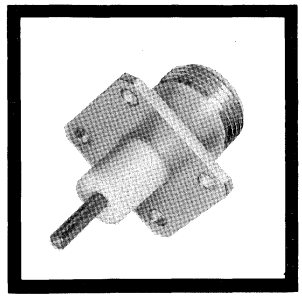


3052-1200-10
NON CAPTIVATED
CENTER CONDUCTOR

3052-1201-10
CAPTIVATED
CENTER CONDUCTOR

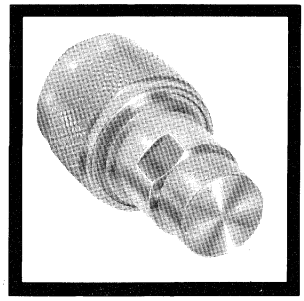
STRAIGHT PANEL JACK RECEPTACLE



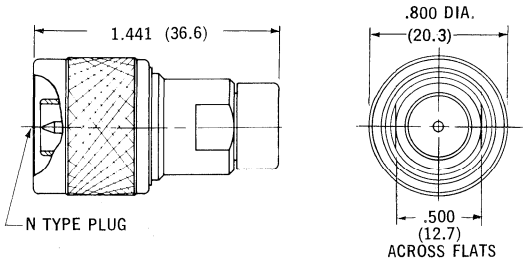


These units shown are constructed of nickel plated brass. For passivated stainless steel versions change – 10 suffix to – 02.

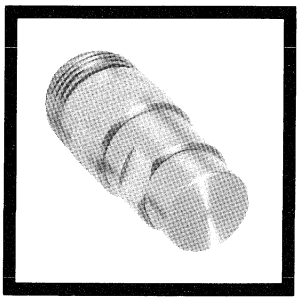
TERMINATIONS



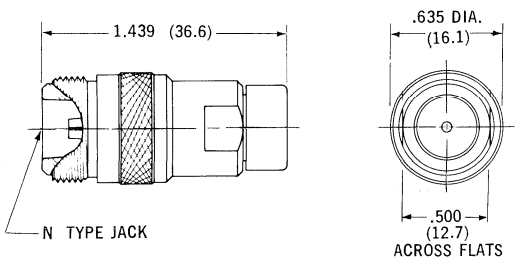
N TYPE PLUG



3001-6100
V.S.W.R. (MAX)
1.10:1 DC-12.4 GHz
1.15:1 12.4-18 GHz

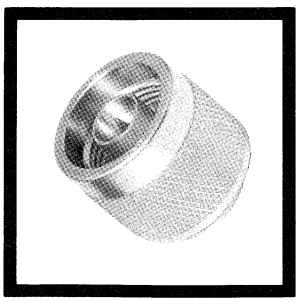


N TYPE JACK

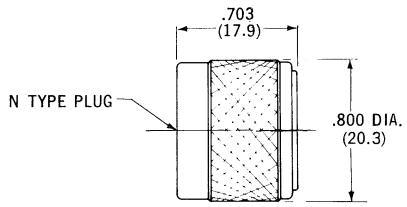


3002-6100
V.S.W.R. (MAX)
1.10:1 DC-12.4 GHz
1.15:1 12.4-18.0 GHz

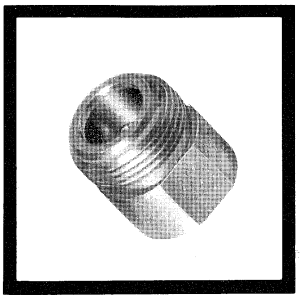
SHORTS AND OPENS



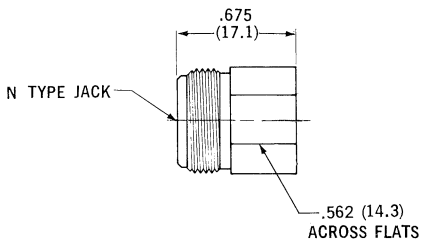
N TYPE PLUG



3001-1314
RF SHORT
3001-1315
OPEN



N TYPE JACK



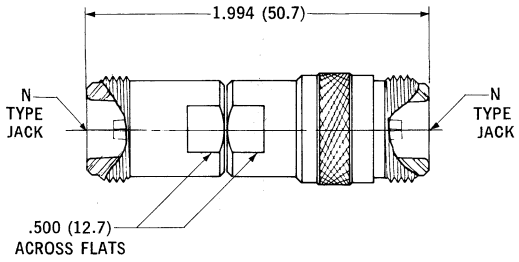
3002-1314
RF SHORT
3002-1315
OPEN

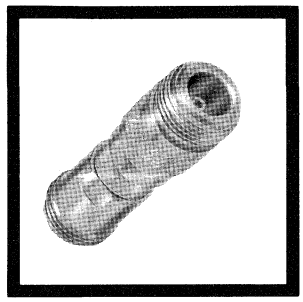
These units as shown are constructed of passivated stainless steel.

IN SERIES ADAPTERS

3080-0000

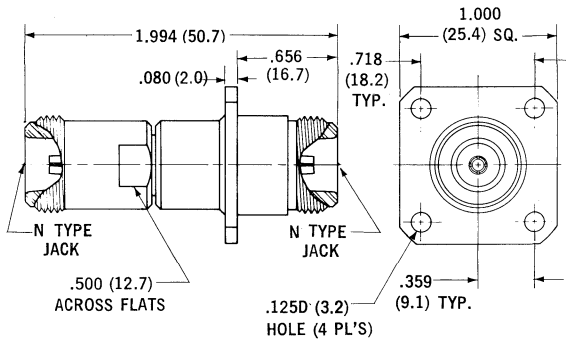
JACK TO JACK ADAPTER

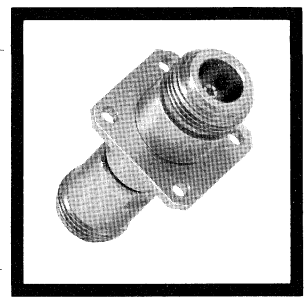




3080-2302

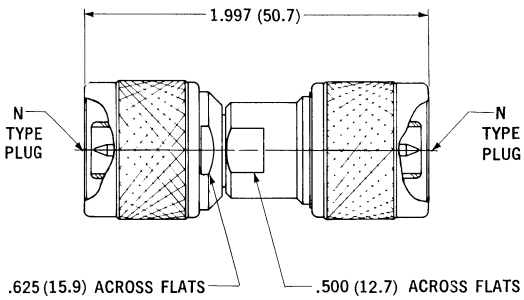
FLANGE MOUNTED
JACK TO JACK ADAPTER

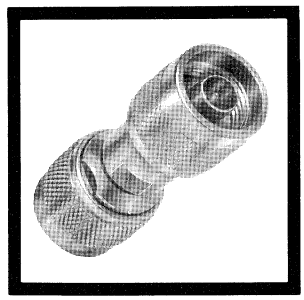




3081-0000

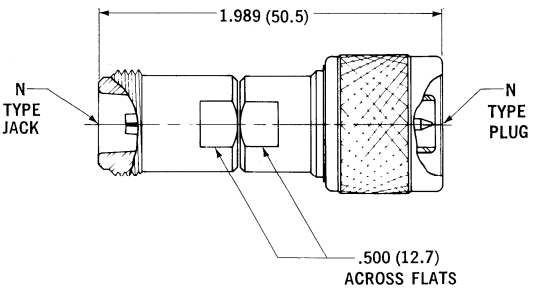
PLUG TO PLUG ADAPTER

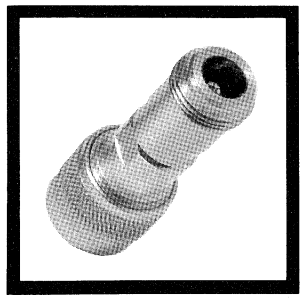




3082-0000

JACK TO PLUG ADAPTER





These units as shown are constructed of passivated stainless steel.

PRECISION CONNECTORS

Americon's precision TNC series of connectors is a new improved version of a standard TNC which can be used at frequencies beyond 18 GHz with excellent performance results. They meet all the interface requirements of TNC types per MIL-C-39012 and are available in a wide variety of standard configurations in both cable and receptacle types.

The cable plugs and jacks shown on the following pages are available for most all standard semi-rigid and flexible cables in a variety of cable attachment methods.

The panel and bulkhead units conform to most standard types and in addition, stripline launchers, for a range of stripline thicknesses, are also available.

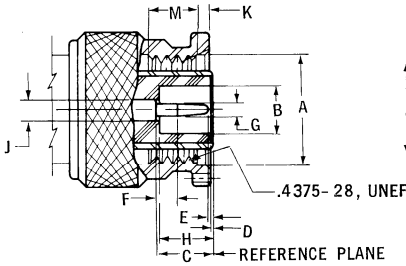
The semi-rigid cable units are generally constructed of passivated stainless steel while the flexible cable types and receptacles are nickel plated brass dependent on preference. The center conductors are manufactured of durable gold plated beryllium copper and the insulation is of virgin TFE teflon.

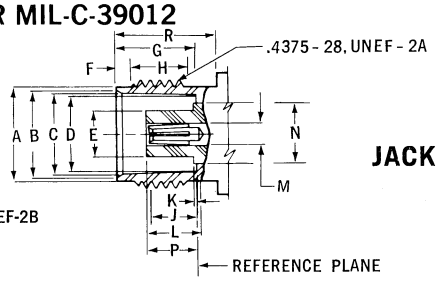
When ordering a part with a specific material and finish, suffix the part number with the proper dash number. (see table) For example . . . A gold plated brass version of **3152-0000** would be **3152-0000-09**

CODE	SUFFIX NUMBER			
	-02	**-03**	**-09**	**-10**
MATERIAL	STAINLESS STEEL	BRASS	BRASS	BRASS
FINISH	PASSIVATED	SILVER	GOLD	NICKEL

TNC INTERFACE PER MIL-C-39012

PLUG





JACK

LTR.	INCHES (MILLIMETERS)		
	MINIMUM	NOMINAL	MAXIMUM
A	.440 (11.2)		
B	.190 (4.8)		
C	.210 (5.3)		
D	.006 (0.2)		
E	.003 (0.1)		
F	.078 (2.0)		
G	.052 (1.3)	.053 (1.4)	.054 (1.4)
H	.208 (5.3)		
J	.081 (2.1)	.084 (2.1)	.087 (2.2)
K	.063 (1.6)		
M	.156 (4.0)		

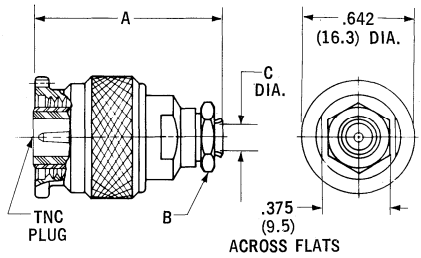
LTR.	INCHES (MILLIMETERS)		
	MINIMUM	NOMINAL	MAXIMUM
A	.378 (9.6)	.380 (9.7)	.381 (9.7)
B	.345 (8.8)	.351 (8.9)	.356 (9.0)
C	.327 (8.3)	.330 (8.4)	.333 (8.5)
D	.319 (8.1)	.320 (8.1)	.321 (8.2)
E			.186 (4.7)
F	.068 (1.7)	.078 (2.0)	.088 (2.2)
G	.329 (8.4)	.331 (8.4)	.333 (8.5)
H	.187 (4.8)		
J			.206 (5.2)
K			.006 (0.2)
L	.195 (5.0)		
M	.081 (2.1)	.084 (2.1)	.087 (2.2)
N			.256 (6.5)
P			.208 (5.3)
R	.415 (10.6)		

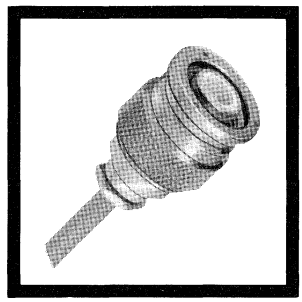
SEMI-RIGID CABLE CONNECTORS
Solder Clamp Version

CABLE TYPE		
.141	.085	DIA

STRAIGHT CABLE PLUG

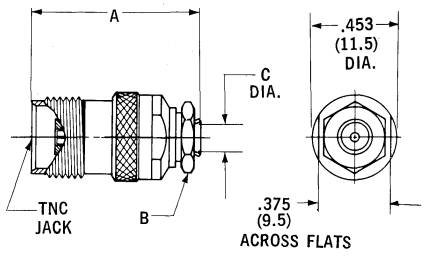
3101-7841		3101-7885		
INCHES	mm	INCHES	mm	DIM
.972 MAX	24.7	.972 MAX	24.7	A
.312 HEX	7.9	.312 HEX	7.9	B
.142 MIN	3.6	.088 MIN	2.2	C

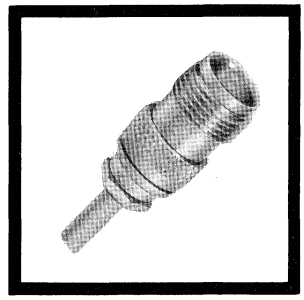




STRAIGHT CABLE JACK

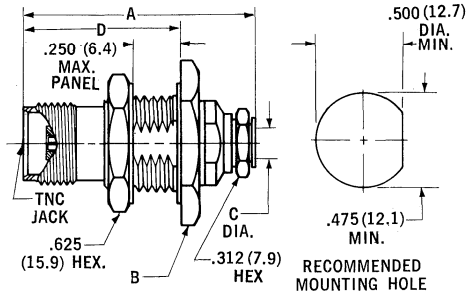
3102-7841		3102-7885		
INCHES	mm	INCHES	mm	DIM
.911 MAX	23.1	.911 MAX	23.1	A
.312 HEX	7.9	.312 HEX	7.9	B
.142 MIN	3.6	.088 MIN	2.2	C

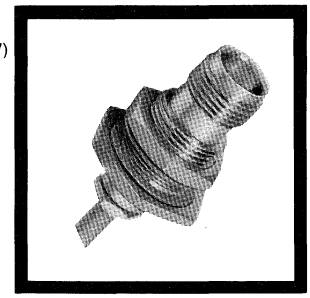




STRAIGHT BULKHEAD CABLE JACK

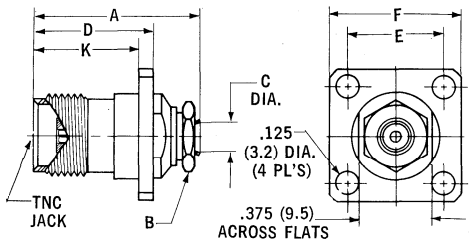
3104-7841		3104-7885		
INCHES	mm	INCHES	mm	DIM
1.227 MAX	31.2	1.227 MAX	31.2	A
.750 HEX	19.1	.750 HEX	19.1	B
.142 MIN	3.6	.088 MIN	2.2	C
.821	20.9	.821	20.9	D

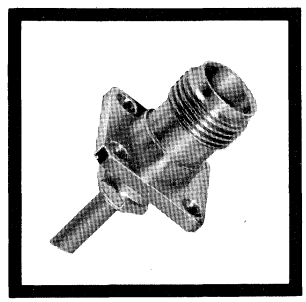




3106-7841		3106-7885		
INCHES	mm	INCHES	mm	DIM
.911 MAX	23.1	.911 MAX	23.1	A
.312 HEX	7.9	.312 HEX	7.9	B
.142 MIN	3.6	.088 MIN	2.2	C
.642	16.3	.642	16.3	D
.500 TYP	12.7	.500 TYP	12.7	E
.687 SQ	17.5	.687 SQ	17.5	F
.562	14.3	.562	14.3	K

STRAIGHT PANEL CABLE JACK

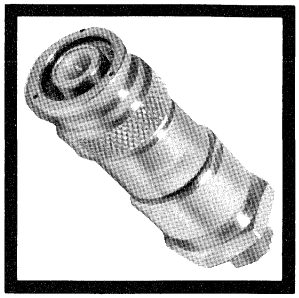


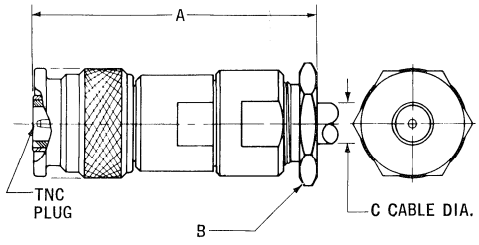


These units as shown are constructed of passivated stainless steel.

SEMI-RIGID CABLE CONNECTORS
Cable Clamp Version (Recommended)

STRAIGHT CABLE PLUG

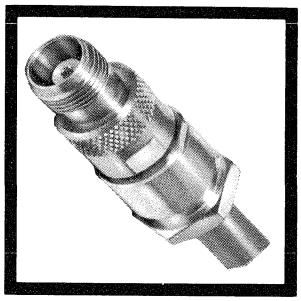


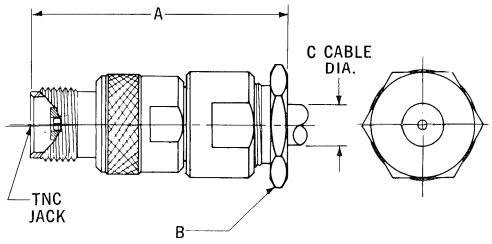


	CABLE TYPE	
DIA	.250	.325

	3101-7650		3101-7625	
DIM	INCHES	mm	INCHES	mm
A	1.531 MAX	38.9	1.725 MAX	43.8
B	.437 HEX	11.1	.625 HEX	15.9
C	.250	6.4	.325	8.3

STRAIGHT CABLE JACK

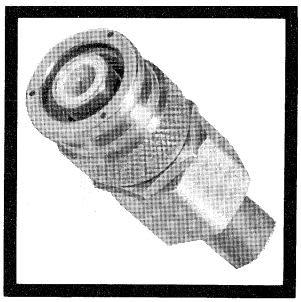


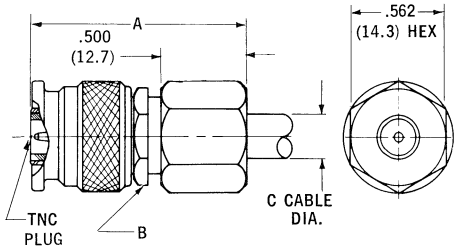


	3102-7650		3102-7625	
DIM	INCHES	mm	INCHES	mm
A	1.437 MAX	36.5	1.625 MAX	41.3
B	.437 HEX	11.1	.625 HEX	15.9
C	.250	6.4	.325	8.3

Cable Clamp Version (Pressure Gasket Locking Type)

STRAIGHT CABLE PLUG

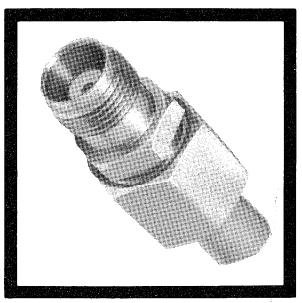


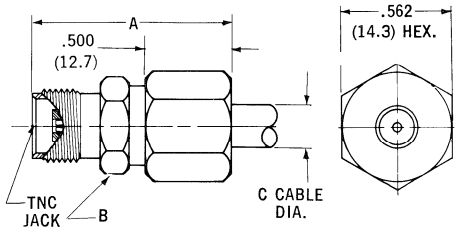


	CABLE TYPE	
DIA	.250	.325

	3101-7750		3101-7725	
DIM	INCHES	mm	INCHES	mm
A	1.255 MAX	31.9	1.255 MAX	31.9
B	.500 HEX	12.7	.500 HEX	12.7
C	.250	6.4	.325	8.3

STRAIGHT CABLE JACK





	3102-7750		3102-7725	
DIM	INCHES	mm	INCHES	mm
A	1.155 MAX	29.3	1.155 MAX	29.3
B	.500 HEX	12.7	.500 HEX	12.7
C	.250	6.4	.325	8.3

These units are constructed of passivated stainless steel.

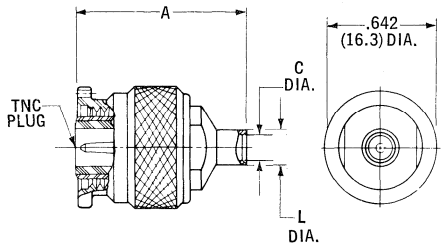
SEMI-RIGID CABLE CONNECTORS
Direct Solder Version

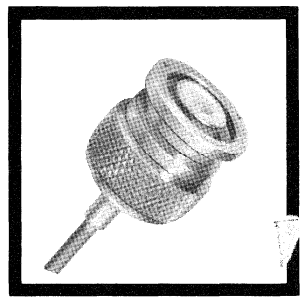
AP TNC

CABLE TYPE		
.141	.085	DIA

STRAIGHT CABLE PLUG

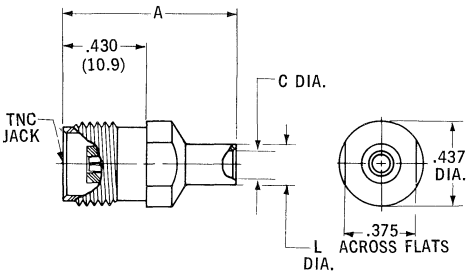
3101-7941		3101-7985		
INCHES	mm	INCHES	mm	DIM
.770	19.6	.770	19.6	A
.142 MIN	3.6	.088 MIN	2.2	C
.180	4.6	.120	3.0	L

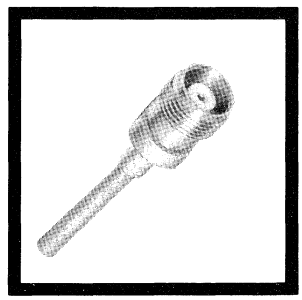




STRAIGHT CABLE JACK

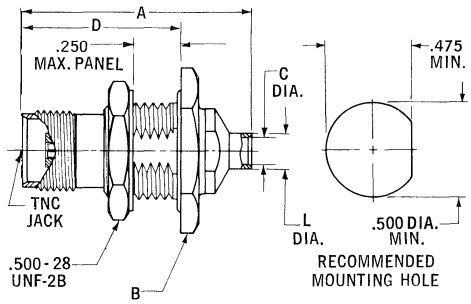
3102-7941		3102-7985		
INCHES	mm	INCHES	mm	DIM
.900	22.9	.900	22.9	A
.142 MIN	3.6	.088 MIN	2.2	C
.180	4.6	.120	3.0	L

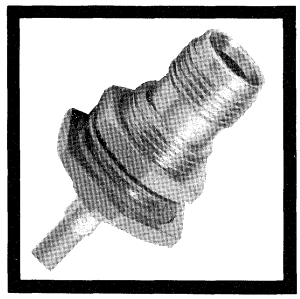




STRAIGHT BULKHEAD CABLE JACK

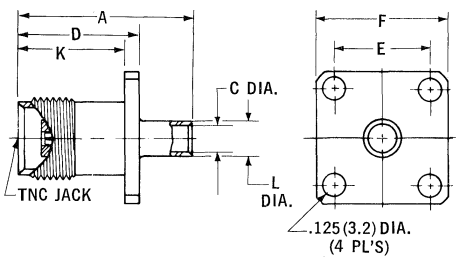
3104-7941		3104-7985		
INCHES	mm	INCHES	mm	DIM
1.200 MAX	30.5	1.200 MAX	30.5	A
.750 HEX	19.1	.750 HEX	19.1	B
.142 MIN	3.6	.088 MIN	2.2	C
.821	20.9	.821	20.9	D
.180	4.6	.120	3.0	L

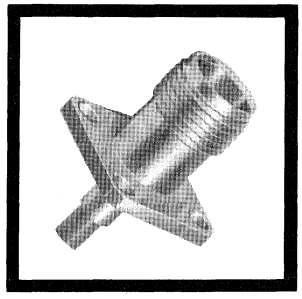




3106-7941		3106-7985		
INCHES	mm	INCHES	mm	DIM
.900	22.9	.900	22.9	A
.142 MIN	3.6	.088 MIN	2.2	C
.642	16.3	.642	16.3	D
.500 TYP	12.7	.500 TYP	12.7	E
.687 SQ	17.5	.687 SQ	17.5	F
.562	14.3	.562	14.3	K
.180	4.6	.120	3.0	L

STRAIGHT PANEL CABLE JACK

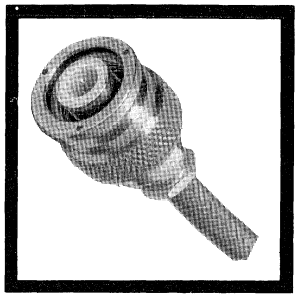




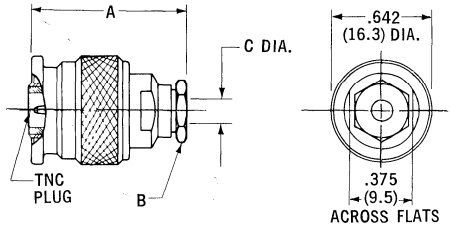
These units are constructed of passivated stainless steel with gold plating in cable soldering areas.

FLEXIBLE CABLE CONNECTORS
Cable Clamp Version

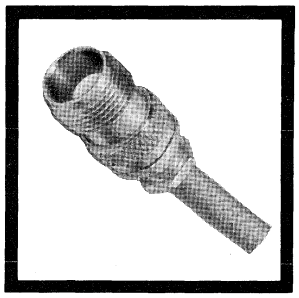
CABLE TYPE			
RG/U	55 58 141 142 223 303	174 179** 187** 188 316	180 195



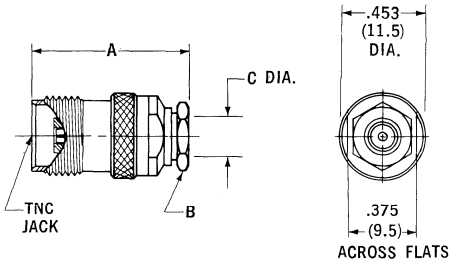
STRAIGHT CABLE PLUG



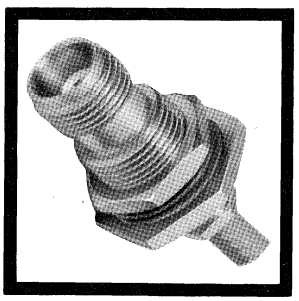
DIM	3101-7141-10		3101-7188-10		3101-7195-10	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.972 MAX	24.7	.972 MAX	24.7	.972 MAX	24.7
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1



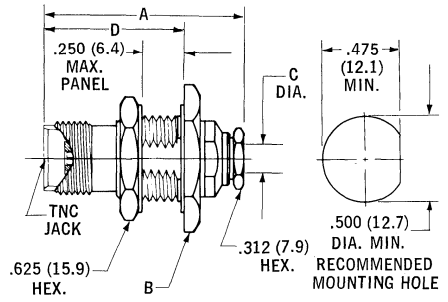
STRAIGHT CABLE JACK



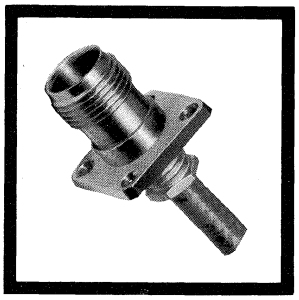
DIM	3102-7141-10		3102-7188-10		3102-7195-10	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.925 MAX	23.5	.925 MAX	23.5	.925 MAX	23.5
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1



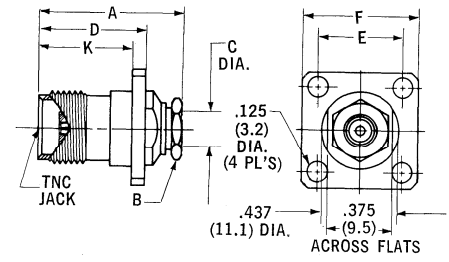
STRAIGHT BULKHEAD CABLE JACK



DIM	3104-7141-10		3104-7188-10		3104-7195-10	
	INCHES	mm	INCHES	mm	INCHES	mm
A	1.215 MAX	30.9	1.215 MAX	30.9	1.215 MAX	30.9
B	.750 HEX	19.1	.750 HEX	19.1	.750 HEX	19.1
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1
D	.821	20.9	.821	20.9	.821	20.9



STRAIGHT PANEL CABLE JACK



DIM	3106-7141-10		3106-7188-10		3106-7195-10	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.911 MAX	23.1	.911 MAX	23.1	.911 MAX	23.1
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1
D	.642	16.3	.642	16.3	.642	16.3
E	.500 TYP	12.7	.500 TYP	12.7	.500 TYP	12.7
F	.687 SQ	17.5	.687 SQ	17.5	.687 SQ	17.5
K	.562	14.3	.562	14.3	.562	14.3

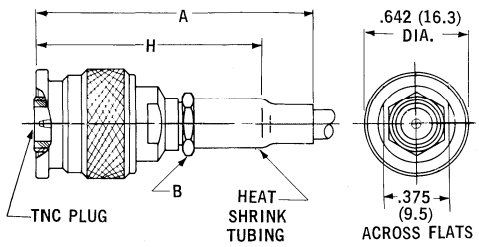
These units as shown above are constructed of nickel plated brass. For passivated stainless steel versions change —10 suffix to —02.
**Subminiature 75 ohm cables.

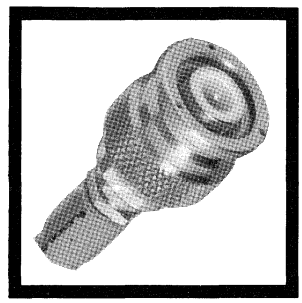
FLEXIBLE CABLE CONNECTORS
Cable Crimp Version

CABLE TYPE			RG/U
55 58 141 142 223 303	174 179** 187** 188 316	180 195	

STRAIGHT CABLE PLUG

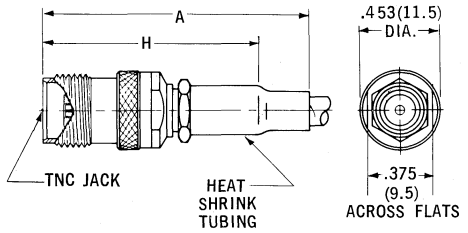
3131-7141-10		3131-7188-10		3131-7195-10		DIM
INCHES	mm	INCHES	mm	INCHES	mm	
1.625 MAX	41.3	1.625 MAX	41.3	1.625 MAX	41.3	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
1.375 MAX	34.9	1.375 MAX	34.9	1.375 MAX	34.9	H

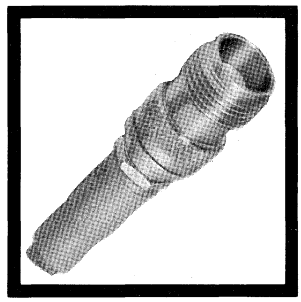




STRAIGHT CABLE JACK

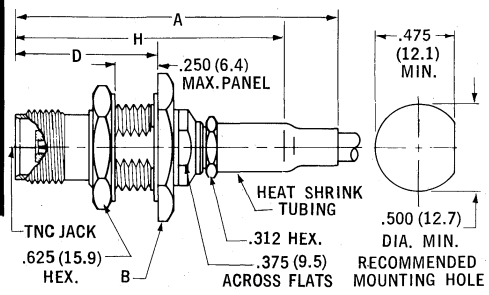
3132-7141-10		3132-7188-10		3132-7195-10		DIM
INCHES	mm	INCHES	mm	INCHES	mm	
1.562 MAX	39.7	1.562 MAX	39.7	1.562 MAX	39.7	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
1.312 MAX	33.3	1.312 MAX	33.3	1.312 MAX	33.3	H

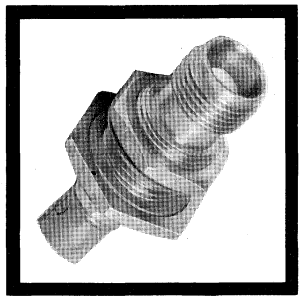




STRAIGHT BULKHEAD CABLE JACK

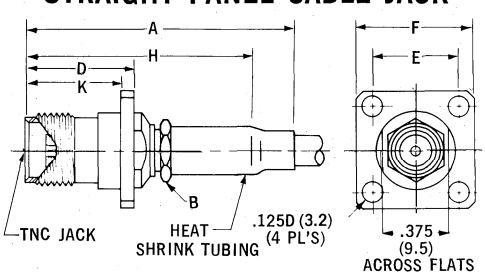
3134-7141-10		3134-7188-10		3134-7195-10		DIM
INCHES	mm	INCHES	mm	INCHES	mm	
1.875 MAX	47.6	1.875 MAX	47.6	1.875 MAX	47.6	A
.750 HEX	19.1	.750 HEX	19.1	.750 HEX	19.1	B
.821	20.9	.821	20.9	.821	20.9	D
1.625 MAX	41.3	1.625 MAX	41.3	1.625 MAX	41.3	H

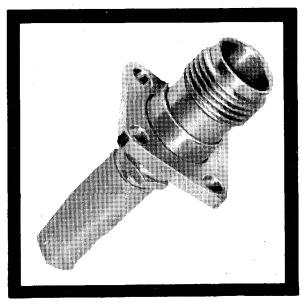




STRAIGHT PANEL CABLE JACK

3136-7141-10		3136-7188-10		3136-7195-10		DIM
INCHES	mm	INCHES	mm	INCHES	mm	
1.562 MAX	39.7	1.562 MAX	39.7	1.562 MAX	39.7	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.642	16.3	.642	16.3	.642	16.3	D
.500 TYP	12.7	.500 TYP	12.7	.500 TYP	12.7	E
.687 SQ	17.5	.687 SQ	17.5	.687 SQ	17.5	F
1.312 MAX	33.3	1.312 MAX	33.3	1.312 MAX	33.3	H
.562	14.3	.562	14.3	.562	14.3	K



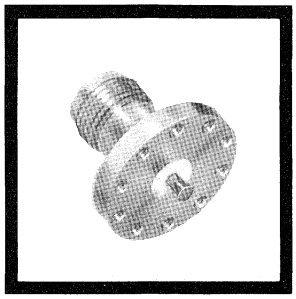


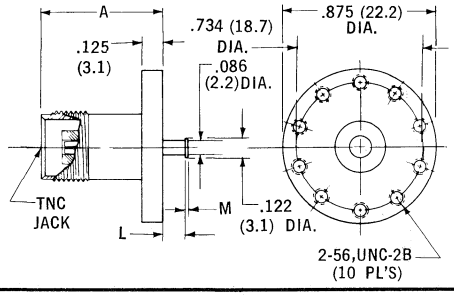
These units as shown above are constructed of nickel plated brass. For passivated stainless steel versions change —10 suffix to —02.

**Subminiature 75 ohm cables.

STRIPLINE CONNECTORS
Surface Launcher Type

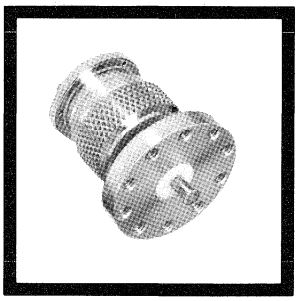
STRAIGHT SURFACE LAUNCHED JACK

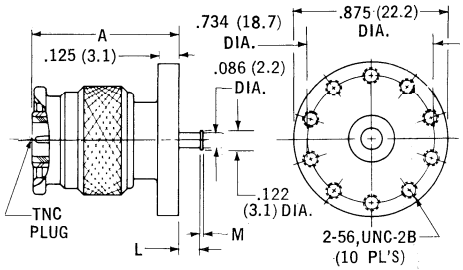




	STRIPLINE SIZE					
	1/8		1/4		3/8	
	3166-1442-10		3166-1443-10		3166-1444-10	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.710	18.0	.710	18.0	.710	18.0
L	.063	1.6	.125	3.2	.187	4.8
M	.010	0.3	.010	0.3	.010	0.3

STRAIGHT SURFACE LAUNCHED PLUG



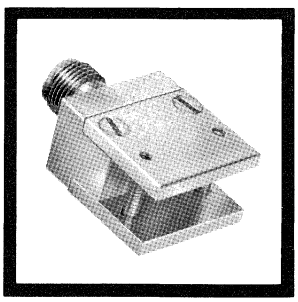


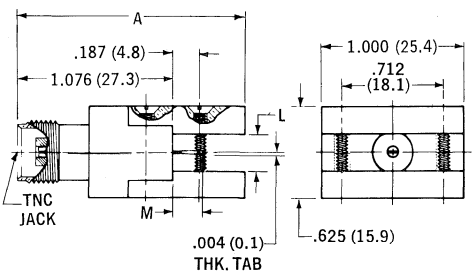
	3167-1442-10		3167-1443-10		3167-1444-10	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.857	21.8	.857	21.8	.857	21.8
L	.063	1.6	.125	3.2	.187	4.8
M	.010	0.3	.010	0.3	.010	0.3

These units as shown above are constructed of nickel plated brass. For passivated stainless steel versions change —10 suffix to —02.

End Launcher Type

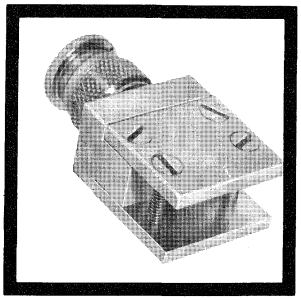
STRAIGHT END LAUNCHED JACK

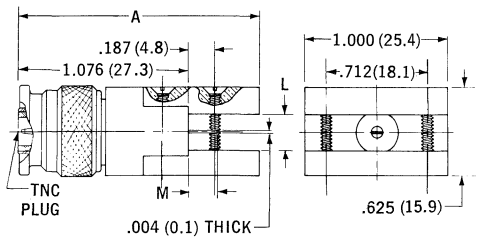




	STRIPLINE SIZE					
	1/8		1/4		3/8	
	3170-1402-10		3170-1403-10		3170-1404-10	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	1.574	40.0	1.574	40.0	1.574	40.0
L	.063	1.6	.125	3.2	.187	4.8
M	.187	4.8	.187	4.8	.187	4.8

STRAIGHT END LAUNCHED PLUG





	3171-1402-10		3171-1403-10		3171-1404-10	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	1.690	43.0	1.690	43.0	1.690	43.0
L	.063	1.6	.125	3.2	.187	4.8
M	.187	4.8	.187	4.8	.187	4.8

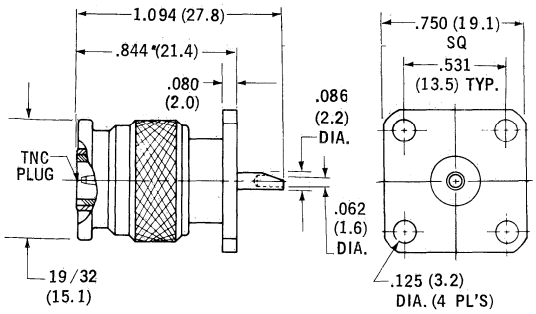
These units as shown above are constructed of nickel plated brass. For passivated stainless steel versions change —10 suffix to —02.

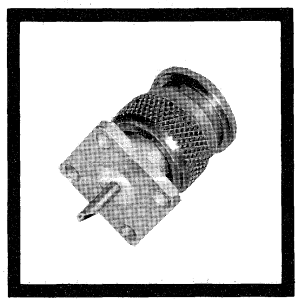
PANEL RECEPTACLES

STRAIGHT CABLE PLUG RECEPTACLE

3151-0000-10

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

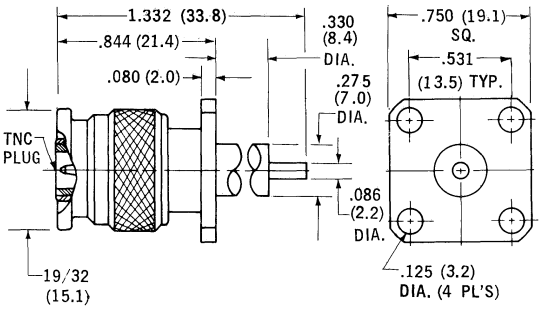


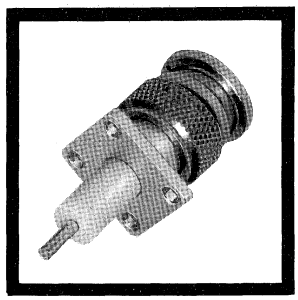


STRAIGHT CABLE PLUG RECEPTACLE

3151-1200-10
NON-CAPTIVATED
CENTER CONDUCTOR

3151-1201-10
CAPTIVATED
CENTER CONDUCTOR

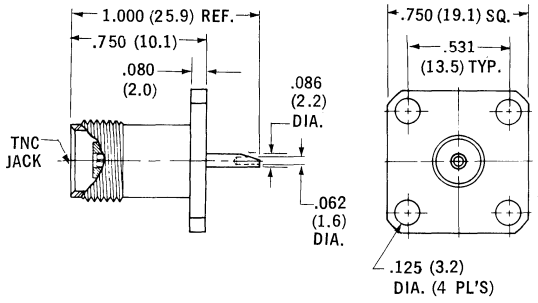


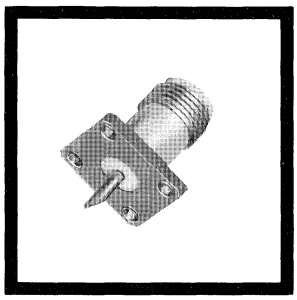


STRAIGHT CABLE JACK RECEPTACLE

3152-0000-10

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

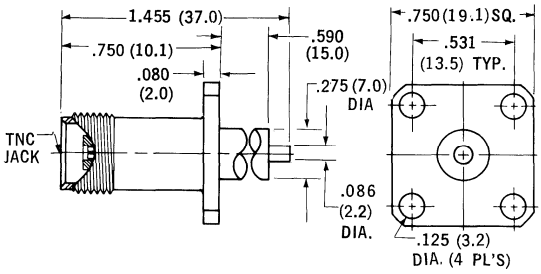


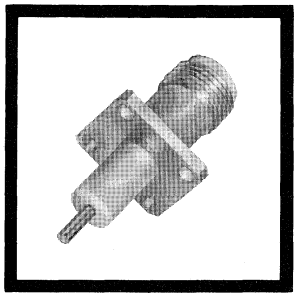


STRAIGHT CABLE JACK RECEPTACLE

3152-1200-10
NON-CAPTIVATED
CENTER CONDUCTOR

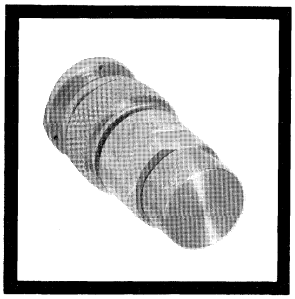
3152-1201-10
CAPTIVATED
CENTER CONDUCTOR



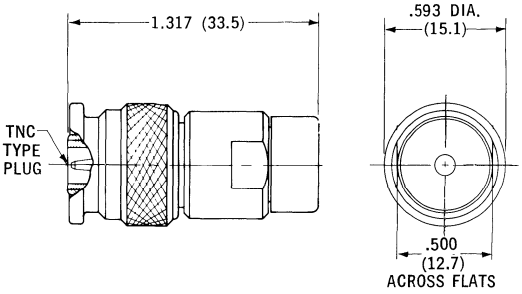


These units shown are constructed of nickel plated brass. For passivated stainless steel versions change – 10 suffix to – 02.

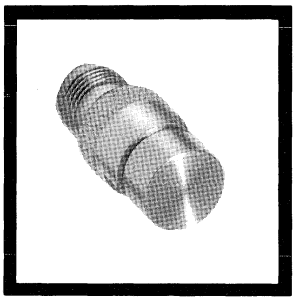
TERMINATIONS



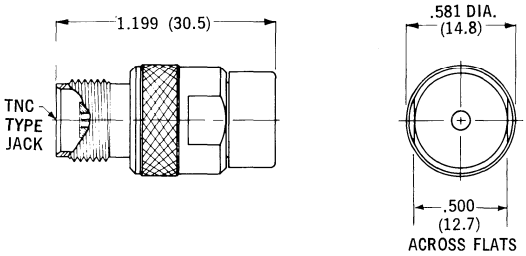
TNC TYPE PLUG



3101-6100
V.S.W.R. (MAX) 1.10:1 DC-12.4 GHz 1.15:1 12.4-18 GHz

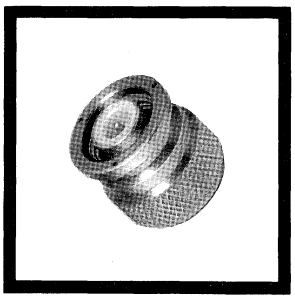


TNC TYPE JACK

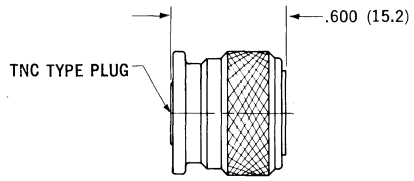


3102-6100
V.S.W.R. (MAX) 1.10:1 DC-12.4 GHz 1.15:1 12.4-18 GHz

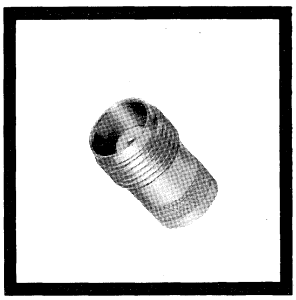
SHORTS AND OPENS



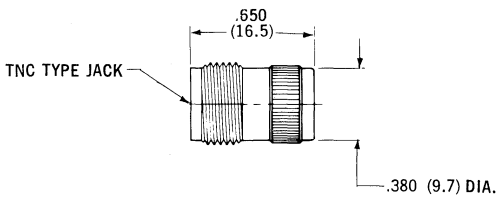
TNC TYPE PLUG



3101-1314
RF SHORT
3101-1315
OPEN



TNC TYPE JACK



3102-1314
RF SHORT
3102-1315
OPEN

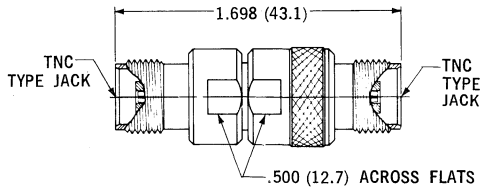
These units are constructed of passivated stainless steel.

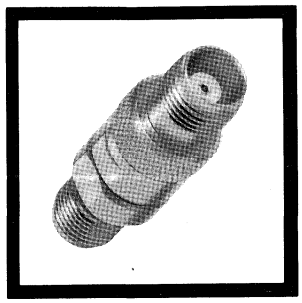
IN SERIES ADAPTERS

AP TNC

3180-0000

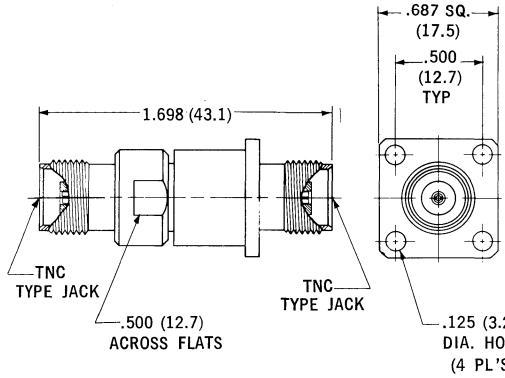
JACK TO JACK ADAPTER

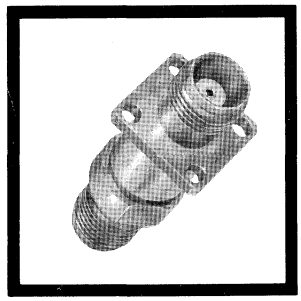




3180-2312

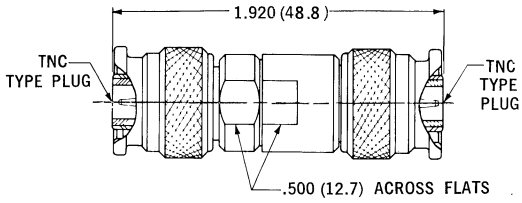
FLANGE MOUNTED
JACK TO JACK ADAPTER

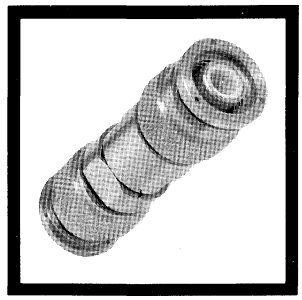




3181-0000

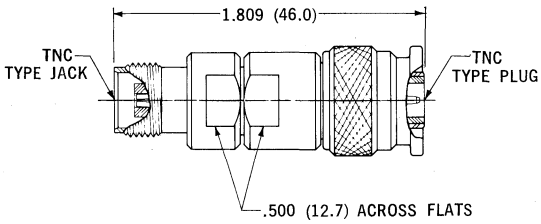
PLUG TO PLUG ADAPTER

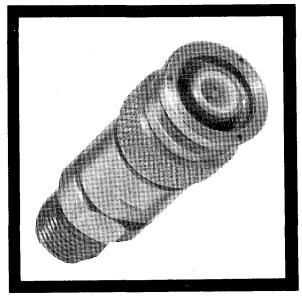




3182-0000

JACK TO PLUG ADAPTER





These units are constructed of passivated stainless steel.

PRECISION CONNECTORS

Americon's precision BNC series of connectors is a new improved version of a standard BNC which can be used through frequencies of 18 GHz with good performance results. They meet all of the interface requirements of BNC types per MIL-C-39012 and are available in a wide variety of standard configurations in both cable and receptacle types.

The cable plugs and jacks shown on the following pages are available for most all standard semi-rigid and flexible cables in a variety of cable attachment methods.

The panel and bulkhead units conform to most standard types and in addition, stripline launchers, for a range of stripline thicknesses, are also available.

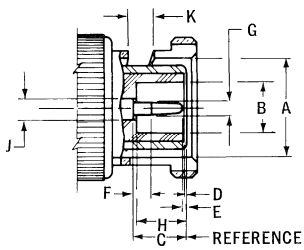
The semi-rigid cable units are generally constructed of passivated stainless steel while the flexible cable types and receptacles are nickel plated brass dependent on preference. The center conductors are manufactured of durable gold plated beryllium copper and the insulation is of virgin TFE teflon.

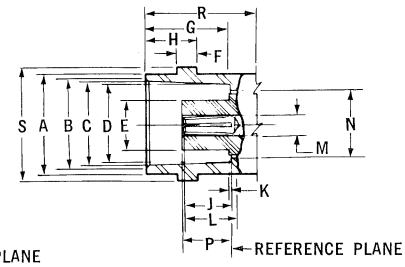
When ordering a part with a specific material and finish, suffix the part number with the proper dash number (see table). For example . . . A gold plated brass version of **3252-0000** would be **3252-0000-09**

CODE	SUFFIX NUMBER			
	-02	**-03**	**-09**	**-10**
MATERIAL	STAINLESS STEEL	BRASS	BRASS	BRASS
FINISH	PASSIVATED	SILVER	GOLD	NICKEL

BNC INTERFACE PER MIL-C-39012

PLUG





JACK

LTR.	INCHES (MILLIMETERS)		
	MINIMUM	NOMINAL	MAXIMUM
A	.385 (9.8)	.387 (9.8)	.390 (9.9)
B	.190 (4.8)		
C	.210 (5.3)		
D	.006 (0.2)		
E	.003 (0.1)		
F	.078 (2.0)		
G	.052 (1.3)	.053 (1.4)	.054 (1.4)
H	.208 (5.3)		
J	.081 (2.1)	.084 (2.1)	.087 (2.2)
K	.091 (2.3)	.094 (2.4)	.097 (2.5)

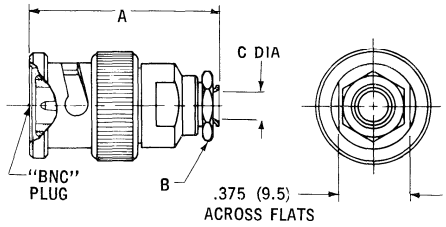
LTR.	INCHES (MILLIMETERS)		
	MINIMUM	NOMINAL	MAXIMUM
A	.378 (9.6)	.380 (9.7)	.382 (9.7)
B	.346 (8.8)	.351 (8.9)	.356 (9.0)
C	.327 (8.3)	.330 (8.4)	.333 (8.5)
D	.319 (8.1)	.320 (8.1)	.321 (8.2)
E			.186 (4.7)
F	.075 (1.9)	.078 (2.0)	.081 (2.1)
G	.327 (8.3)	.331 (8.4)	.335 (8.5)
H	.204 (5.2)	.206 (5.2)	.208 (5.3)
J			.206 (5.2)
K			.006 (0.2)
L	.195 (5.0)		
M	.081 (2.1)	.084 (2.1)	.087 (2.2)
N			.256 (6.5)
P			.208 (5.3)
R	.414 (10.5)		
S	.432 (11.0)	.435 (11.1)	.436 (11.1)

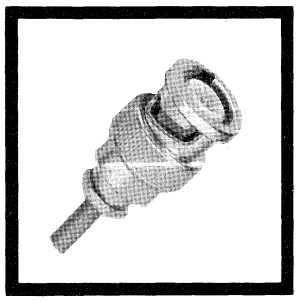
SEMI-RIGID CABLE CONNECTORS
Solder Clamp Version

CABLE TYPE		
.141	.085	DIA

STRAIGHT CABLE PLUG

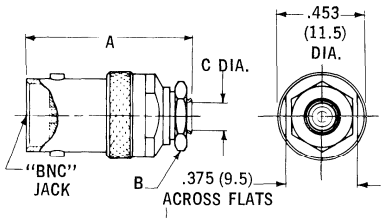
3201-7841		3201-7885		
INCHES	mm	INCHES	mm	DIM
1.000 MAX	25.4	1.000 MAX	25.4	A
.312 HEX	7.9	.312 HEX	7.9	B
.142 MIN	3.6	.088 MIN	2.2	C

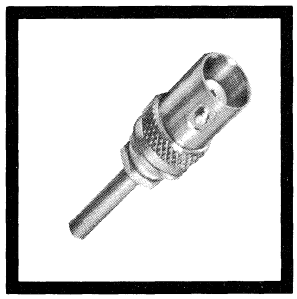




STRAIGHT CABLE JACK

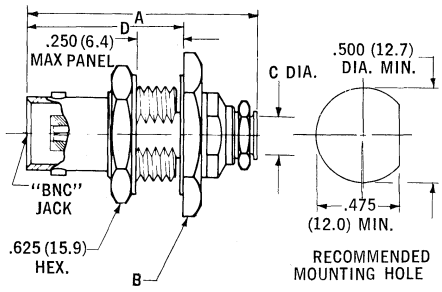
3202-7841		3202-7885		
INCHES	mm	INCHES	mm	DIM
.911 MAX	23.1	.911 MAX	23.1	A
.312 HEX	7.9	.312 HEX	7.9	B
.142 MIN	3.6	.088 MIN	2.2	C

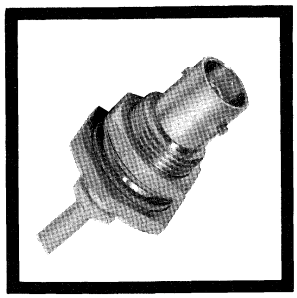




STRAIGHT BULKHEAD CABLE JACK

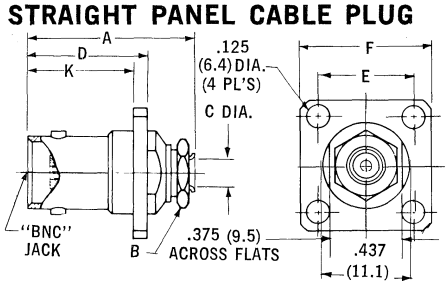
3204-7841		3204-7885		
INCHES	mm	INCHES	mm	DIM
1.227 MAX	31.2	1.227 MAX	31.2	A
.750 HEX	19.1	.750 HEX	19.1	B
.142 MIN	3.6	.088 MIN	2.2	C
.821	20.9	.821	20.9	D

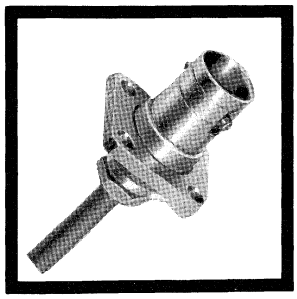




STRAIGHT PANEL CABLE PLUG

3206-7841		3206-7885		
INCHES	mm	INCHES	mm	DIM
.911 MAX	23.1	.911 MAX	23.1	A
.312 HEX	7.9	.312 HEX	7.9	B
.142 MIN	3.6	.088 MIN	2.2	C
.642	16.3	.642	16.3	D
.500 TYP	12.7	.500 TYP	12.7	E
.687 SQ	17.5	.687 SQ	17.5	F
.562	14.3	.562	14.3	K

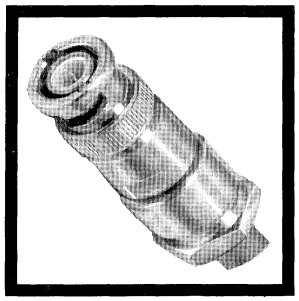


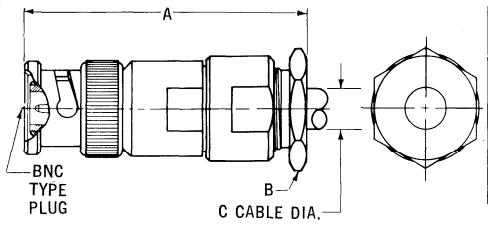


These units are constructed of passivated stainless steel.

SEMI-RIGID CABLE CONNECTORS
Cable Clamp Version (Recommended)

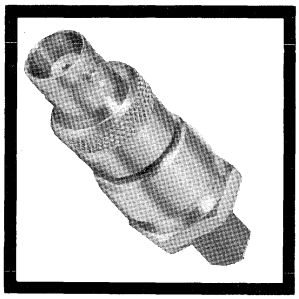
STRAIGHT CABLE PLUG

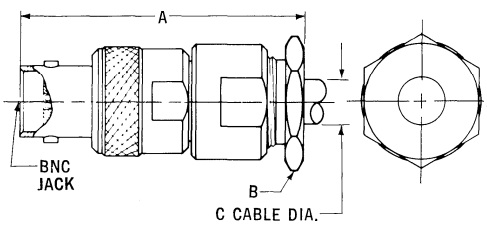




DIA	CABLE TYPE .250		CABLE TYPE .325	
DIM	3201-7650 INCHES	mm	3201-7625 INCHES	mm
A	1.562 MAX	39.7	1.756 MAX	44.6
B	.437 HEX	11.1	.625 HEX	15.9
C	.250	6.4	.325	8.3

STRAIGHT CABLE JACK

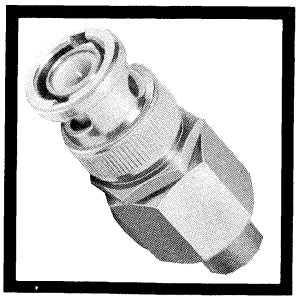


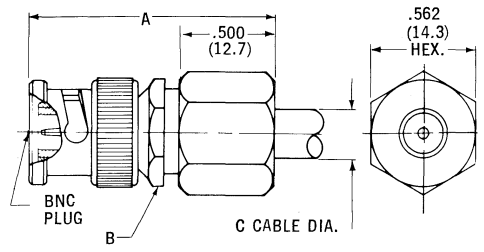


DIA	CABLE TYPE .250		CABLE TYPE .325	
DIM	3202-7650 INCHES	mm	3202-7625 INCHES	mm
A	1.437 MAX	36.5	1.625 MAX	41.3
B	.437 HEX	11.1	.625 HEX	15.9
C	.250	6.4	.325	8.3

Cable Clamp Version (Pressure Gasket Locking Type)

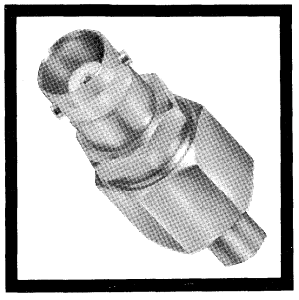
STRAIGHT CABLE PLUG

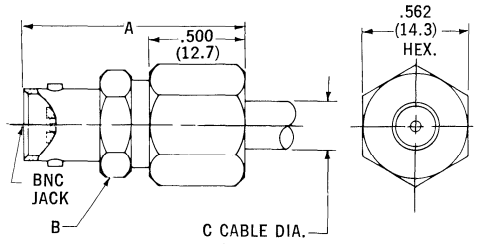




DIA	CABLE TYPE .250		CABLE TYPE .325	
DIM	3201-7750 INCHES	mm	3201-7725 INCHES	mm
A	1.286 MAX	32.7	1.286 MAX	32.7
B	.500 HEX	12.7	.500 HEX	12.7
C	.250	6.4	.325	8.2

STRAIGHT CABLE JACK





DIA	CABLE TYPE .250		CABLE TYPE .325	
DIM	3202-7750 INCHES	mm	3202-7725 INCHES	mm
A	1.155 MAX	29.3	1.155 MAX	29.3
B	.500 HEX	12.7	.500 HEX	12.7
C	.250	6.4	.325	8.2

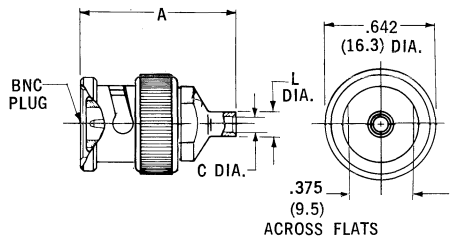
These units as shown are constructed of passivated stainless steel.

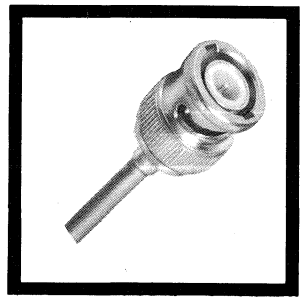
SEMI-RIGID CABLE CONNECTORS
Direct Solder Version

CABLE TYPE		
.141	.085	DIA

STRAIGHT CABLE PLUG

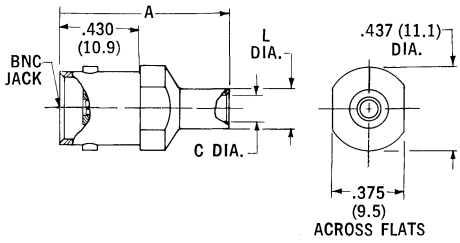
3201-7941		3201-7985		
INCHES	mm	INCHES	mm	DIM
.800	20.3	.800	20.3	A
.142 MIN	3.6	.088 MIN	2.2	C
.180	4.6	.120	3.0	L





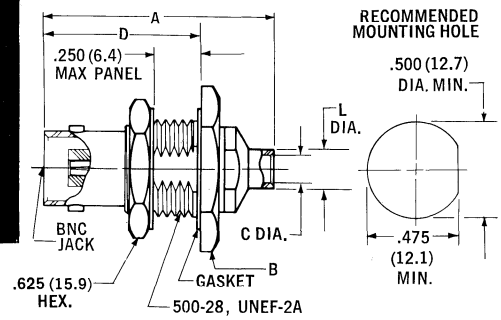
STRAIGHT CABLE JACK

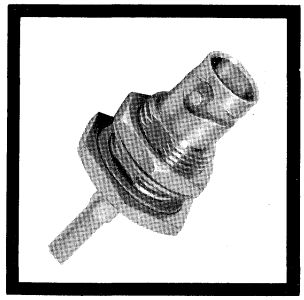
3202-7941		3202-7985		
INCHES	mm	INCHES	mm	DIM
.900	22.9	.900	22.9	A
.142 MIN	3.6	.088 MIN	2.2	C
.180	4.6	.120	3.0	L



STRAIGHT BULKHEAD CABLE JACK

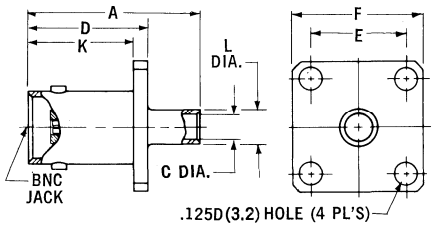
3204-7941		3204-7985		
INCHES	mm	INCHES	mm	DIM
1.200 MAX	30.5	1.200 MAX	30.5	A
.750 HEX	19.1	.750 HEX	19.1	B
.142 MIN	3.6	.088 MIN	2.2	C
.821	20.9	.821	20.9	D
.180	4.6	.120	3.0	L

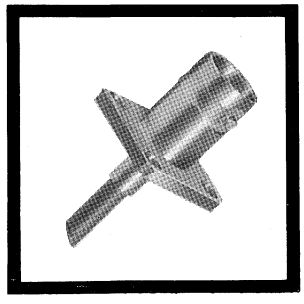




3206-7941		3206-7985		
INCHES	mm	INCHES	mm	DIM
.900	22.9	.900	22.9	A
.142 MIN	3.6	.088 MIN	2.2	C
.642	16.3	.642	16.3	D
.500 TYP	12.7	.500 TYP	12.7	E
.687 SQ	17.5	.687 SQ	17.5	F
.562	14.3	.562	14.3	K
.180	4.6	.120	3.0	L

STRAIGHT PANEL CABLE JACK

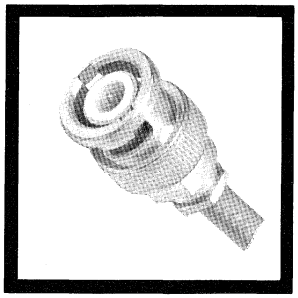




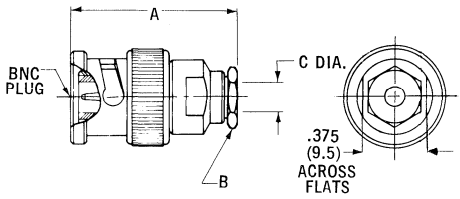
These units are constructed of passivated stainless steel with gold plating in cable soldering areas.

FLEXIBLE CABLE CONNECTORS
Cable Clamp Version

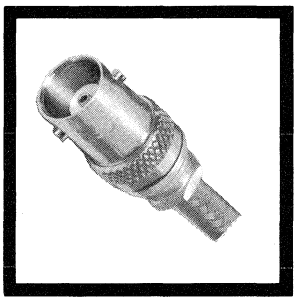
	CABLE TYPE		
RG/U	55 58 141 142 223 303	174 179** 187** 188 316	180 195



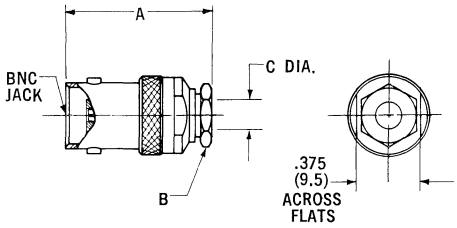
STRAIGHT CABLE PLUG



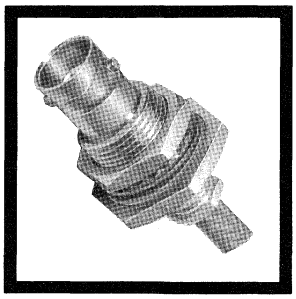
DIM	3201-7141-10		3201-7188-10		3201-7195-10	
	INCHES	mm	INCHES	mm	INCHES	mm
A	1.000 MAX	25.4	1.000 MAX	25.4	1.000 MAX	25.4
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1



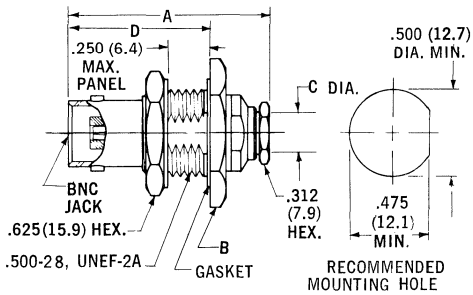
STRAIGHT CABLE JACK



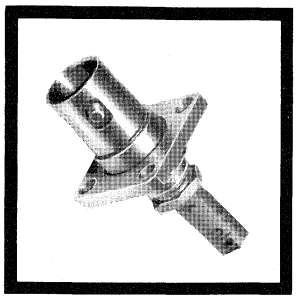
DIM	3202-7141-10		3202-7188-10		3202-7195-10	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.911 MAX	23.1	.911 MAX	23.1	.911 MAX	23.1
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1



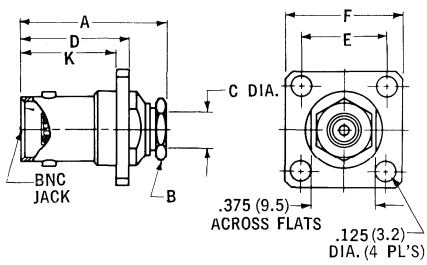
STRAIGHT BULKHEAD CABLE JACK



DIM	3204-7141-10		3204-7188-10		3204-7195-10	
	INCHES	mm	INCHES	mm	INCHES	mm
A	1.215 MAX	30.9	1.215 MAX	30.9	1.215 MAX	30.9
B	.750 HEX	19.1	.750 HEX	19.1	.750 HEX	19.1
C	.220 DIA	5.6	.116 DIA	2.9	.160 D1A	4.1
D	.821	20.9	.821	20.9	.821	20.9



STRAIGHT PANEL CABLE JACK



DIM	3206-7141-10		3206-7188-10		3206-7195-10	
	INCHES	mm	INCHES	mm	INCHES	mm
A	.911 MAX	23.1	.911 MAX	23.1	.911 MAX	23.1
B	.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9
C	.220 DIA	5.6	.116 DIA	2.9	.160 DIA	4.1
D	.642	16.3	.642	16.3	.642	16.3
E	.500 TYP	12.7	.500 TYP	12.7	.500 TYP	12.7
F	.687 SQ	17.5	.687 SQ	17.5	.687 SQ	17.5
K	.562	14.3	.562	14.3	.562	14.3

These units as shown above are constructed of nickel plated brass. For passivated stainless steel versions change —10 suffix to —02.

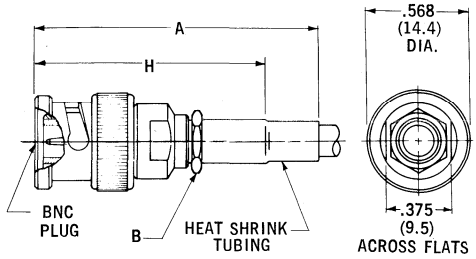
**Subminiature 75 ohm cables.

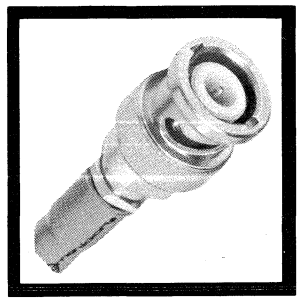
FLEXIBLE CABLE CONNECTORS
Cable Crimp Version

CABLE TYPE				
55 58 141 142 223 303	174 179** 187** 188 316	180 195	RG/U

STRAIGHT CABLE PLUG

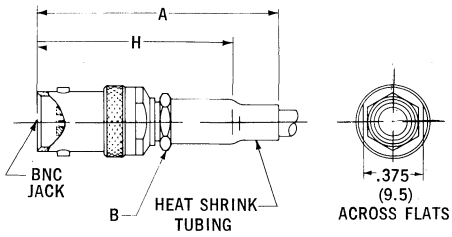
3231-7141-10		3231-7188-10		3231-7195-10		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.656 MAX	42.1	1.656 MAX	42.1	1.656 MAX	42.1	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
1.406 MAX	35.7	1.406 MAX	35.7	1.406 MAX	35.7	H

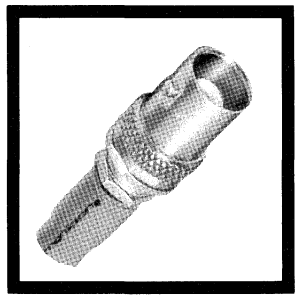




STRAIGHT CABLE JACK

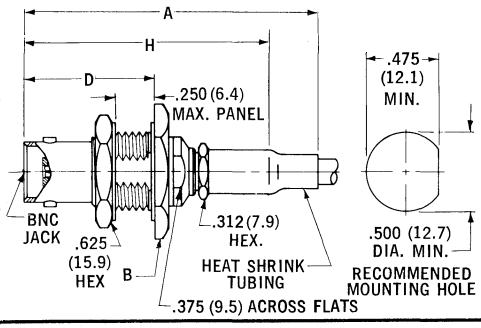
3232-7141-10		3232-7188-10		3232-7195-10		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.562 MAX	39.7	1.562 MAX	39.7	1.562 MAX	39.7	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
1.312 MAX	33.3	1.312 MAX	33.3	1.312 MAX	33.3	H

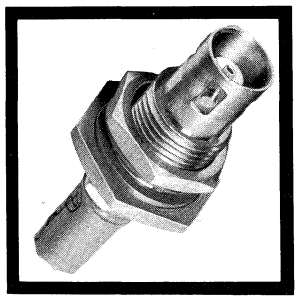




STRAIGHT BULKHEAD CABLE JACK

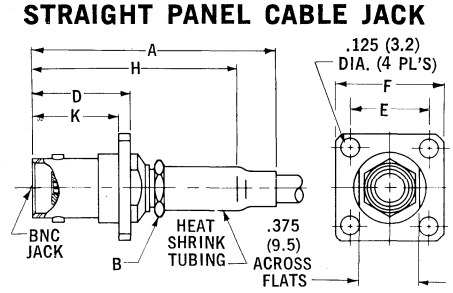
3234-7141-10		3234-7188-10		3234-7195-10		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.875 MAX	47.6	1.875 MAX	47.6	1.875 MAX	47.6	A
.750 HEX	19.1	.750 HEX	19.1	.750 HEX	19.1	B
.821	20.9	.821	20.9	.821	20.9	D
1.625 MAX	41.3	1.625 MAX	41.3	1.625 MAX	41.3	H

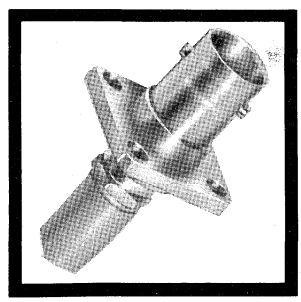




3236-7141-10		3236-7188-10		3236-7195-10		
INCHES	mm	INCHES	mm	INCHES	mm	DIM
1.562 MAX	39.7	1.562 MAX	39.7	1.562 MAX	39.7	A
.312 HEX	7.9	.312 HEX	7.9	.312 HEX	7.9	B
.642	16.3	.642	16.3	.642	16.3	D
.500 TYP	12.7	.500 TYP	12.7	.500 TYP	12.7	E
.687 SQ	17.5	.687 SQ	17.5	.687 SQ	17.5	F
1.312 MAX	33.3	1.312 MAX	33.3	1.312 MAX	33.3	H
.562	14.3	.562	14.3	.562	14.3	K

STRAIGHT PANEL CABLE JACK

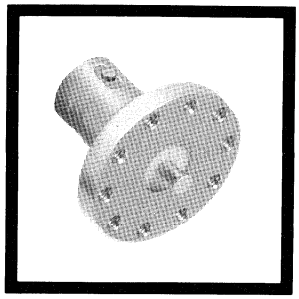


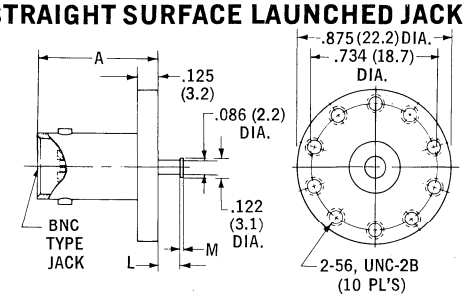


These units as shown above are constructed of nickel plated brass. For passivated stainless steel versions change –10 suffix to –02.
**Subminiature 75 ohm cables.

STRIPLINE CONNECTORS
Surface Launcher Type

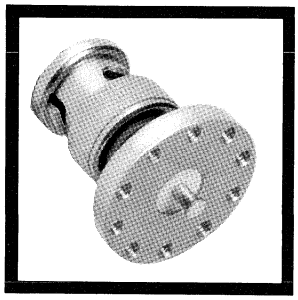
STRAIGHT SURFACE LAUNCHED JACK

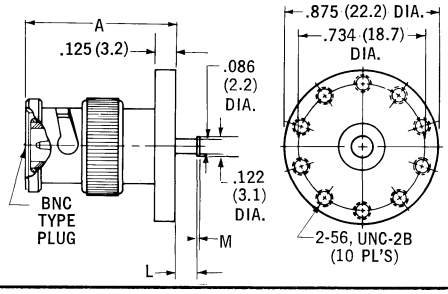




	STRIPLINE SIZE					
	1/8		1/4		3/8	
	3266-1442-10		3266-1443-10		3266-1444-10	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.710	18.0	.710	18.0	.710	18.0
L	.063	1.6	.125	3.2	.187	4.8
M	.010	0.3	.010	0.3	.010	0.3

STRAIGHT SURFACE LAUNCHED PLUG



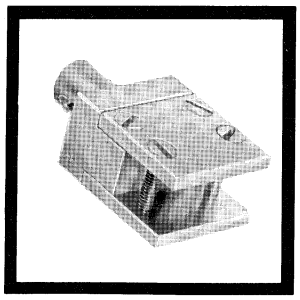


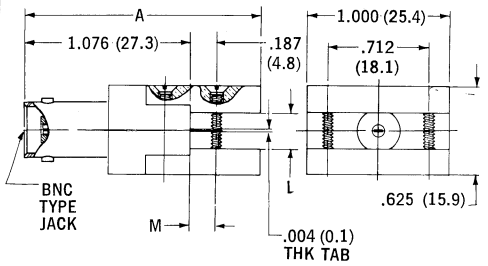
	3267-1442-10		3267-1443-10		3267-1444-10	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	.888	22.6	.888	22.6	.888	22.6
L	.063	1.6	.125	3.2	.187	4.8
M	.010	0.3	.010	0.3	.010	0.3

These units as shown above are constructed of nickel plated brass. For passivated stainless steel versions change —10 suffix to —02.

End Launcher Type

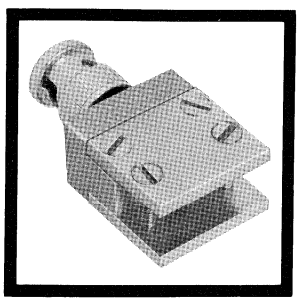
STRAIGHT END LAUNCHED JACK

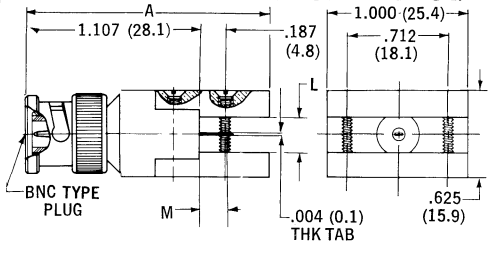




	STRIPLINE SIZE					
	1/8		1/4		3/8	
	3270-1402-10		3270-1403-10		3270-1404-10	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	1.574	40.0	1.574	40.0	1.574	40.0
L	.063	1.6	.125	3.2	.187	4.8
M	.187	4.8	.187	4.8	.187	4.8

STRAIGHT END LAUNCHED PLUG





	3271-1402-10		3271-1403-10		3271-1404-10	
DIM	INCHES	mm	INCHES	mm	INCHES	mm
A	1.721	43.7	1.721	43.7	1.721	43.7
L	.063	1.6	.125	3.2	.187	4.8
M	.187	4.8	.187	4.8	.187	4.8

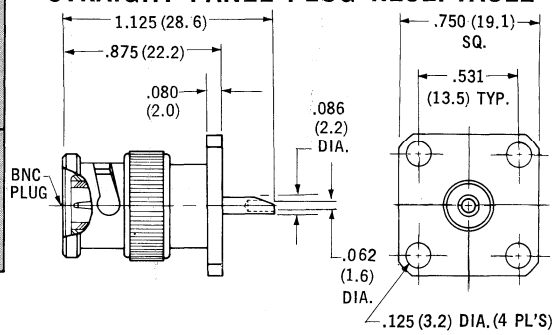
These units as shown above are constructed of nickel plated brass. For passivated stainless steel versions change —10 suffix to —02.

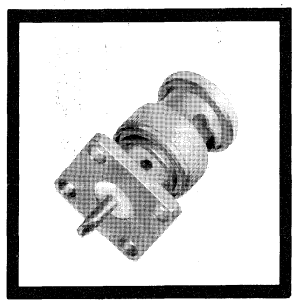
PANEL RECEPTACLES

3251-0000-10

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

STRAIGHT PANEL PLUG RECEPTACLE

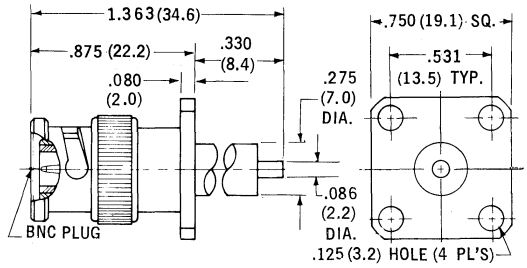


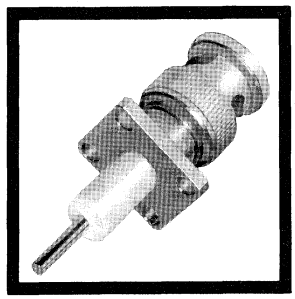


3251-1200-10
NON CAPTIVATED
CENTER CONDUCTOR

3251-1201-10
CAPTIVATED CENTER
CONDUCTOR

STRAIGHT PANEL PLUG RECEPTACLE

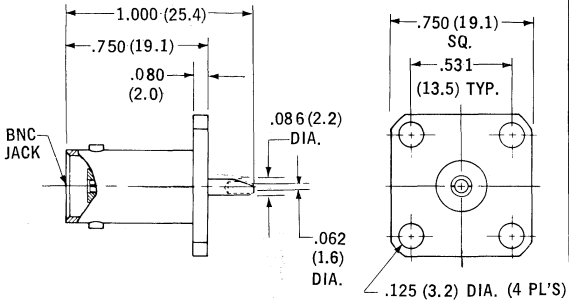


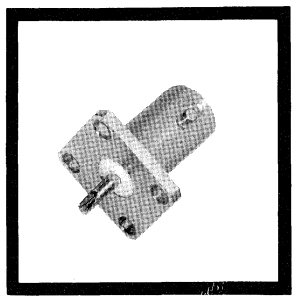


3252-0000-10

CAPTIVATED CENTER
CONDUCTOR-SOLDER POT

STRAIGHT PANEL JACK RECEPTACLE

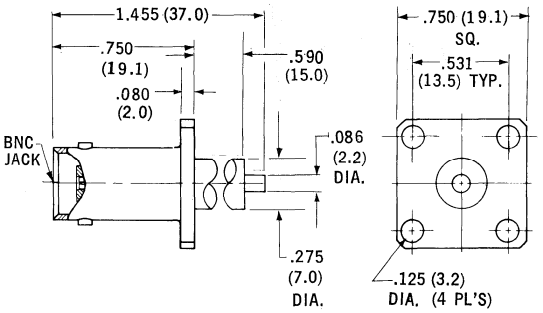


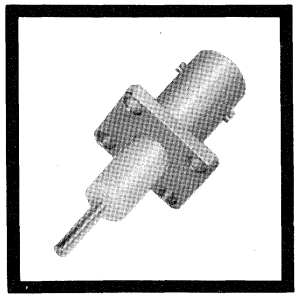


3252-1200-10
NON CAPTIVATED
CENTER CONDUCTOR

3252-1201-10
CAPTIVATED CENTER
CONDUCTOR

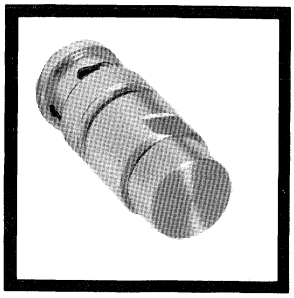
STRAIGHT PANEL JACK RECEPTACLE



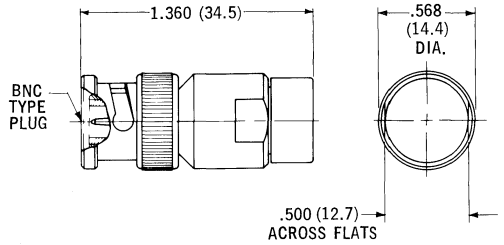


These units shown are constructed of nickel plated brass. For passivated stainless steel versions change –10 suffix to –02.

TERMINATIONS



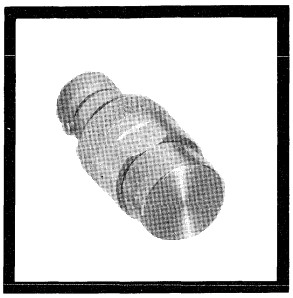
BNC TYPE PLUG



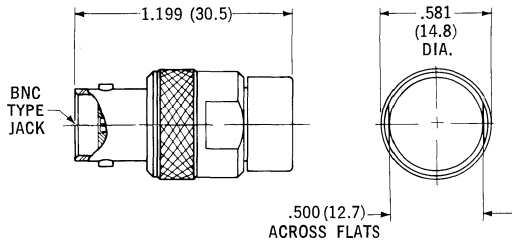
3201-6100

V.S.W.R. (MAX)

1.15:1	DC-12.4	GHz
1.20:1	12.4-18.0	GHz



BNC TYPE JACK

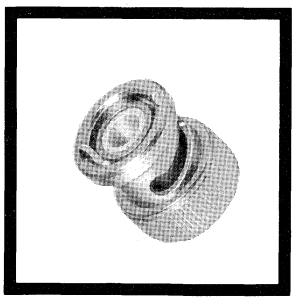


3202-6100

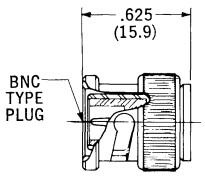
V.S.W.R. (MAX)

1.15:1	DC-12.4	GHz
1.20:1	12.4-18.0	GHz

SHORTS AND OPENS



BNC TYPE PLUG

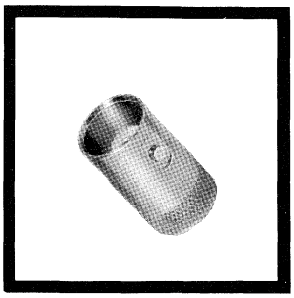


3201-1314

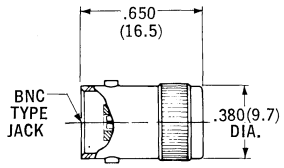
RF SHORT

3201-1315

OPEN



BNC TYPE JACK



3202-1314

RF SHORT

3202-1315

OPEN

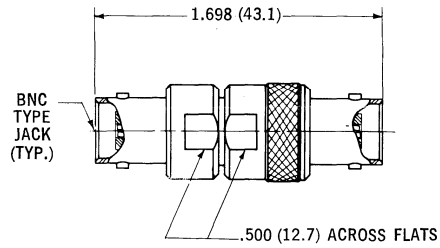
These units as shown are constructed of passivated stainless steel.

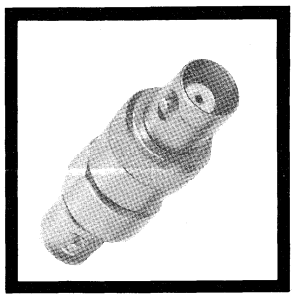
IN SERIES ADAPTERS

AP BNC

3280-0000

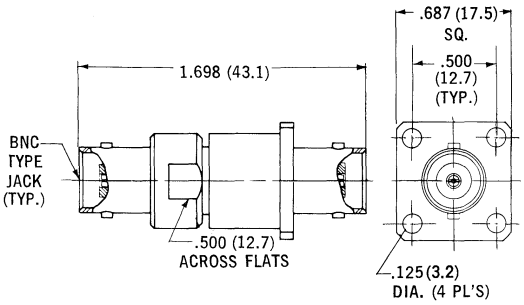
JACK TO JACK ADAPTER

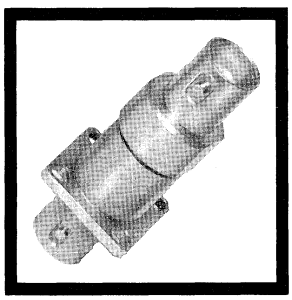




3280-2322

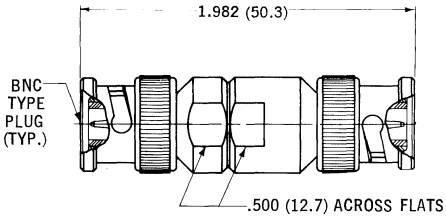
FLANGE MOUNTED
JACK TO JACK ADAPTER

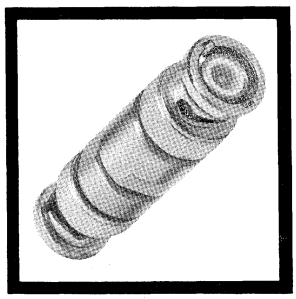




3281-0000

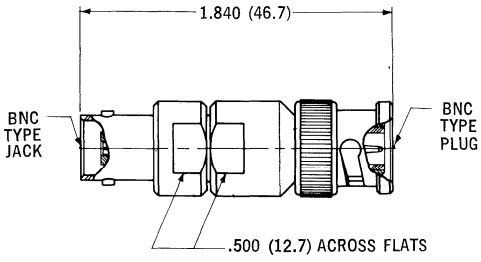
PLUG TO PLUG ADAPTER

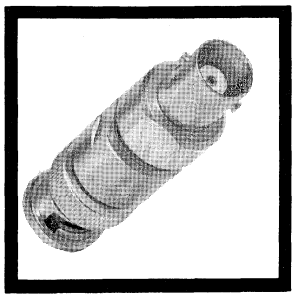




3282-0000

JACK TO PLUG ADAPTER



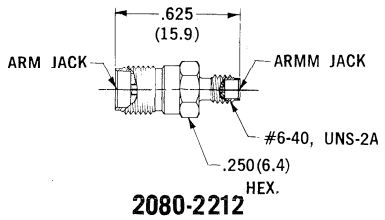


These units are constructed of passivated stainless steel

Americon PRECISION ADAPTERS

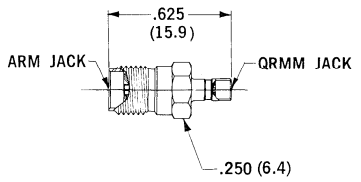
The age old problem of interfacing is one frequently encountered in most microwave systems whether it be a laboratory test set up or a complex ECM system. In order to avoid cumbersome adherance to one strict interface regardless of form, fit or function of each subsystem, Americon has made available a complete set of between series adapters which are well matched, sturdy and as simple as possible in order to allow smooth transitioning from one series to another.

ARM FEMALE TO ARMM FEMALE

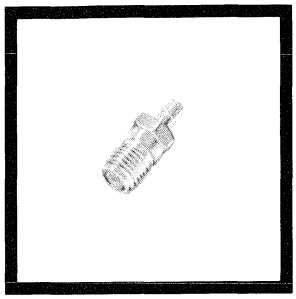


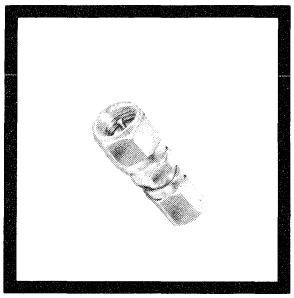
2080-2212

ARM FEMALE TO QRMM FEMALE

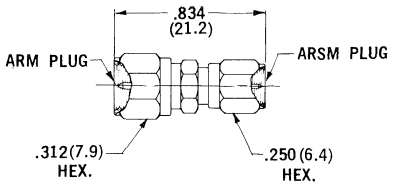


2080-2214



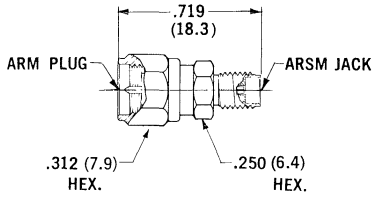


ARM MALE TO ARSM MALE

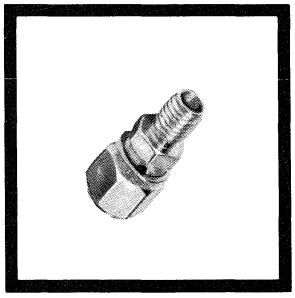


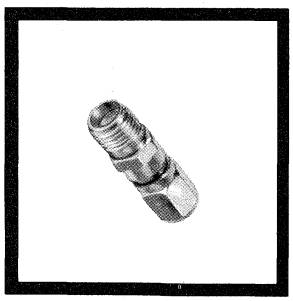
2081-2201

ARM MALE TO ARSM FEMALE

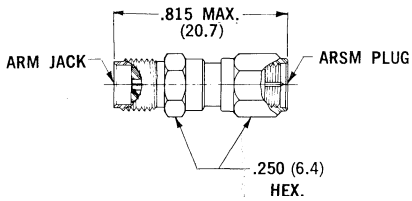


2082-2202



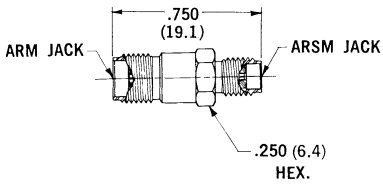


ARM FEMALE TO ARSM MALE

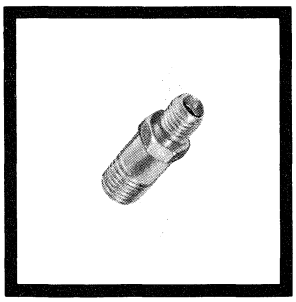


2082-2201

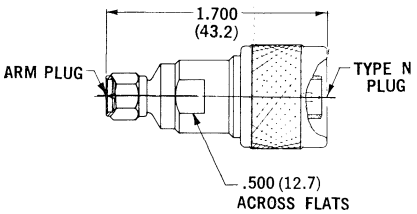
ARM FEMALE TO ARSM FEMALE



2080-2202

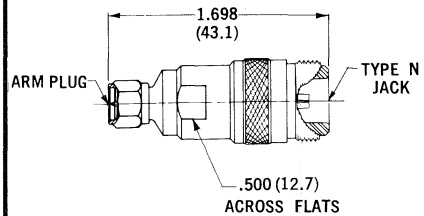


ARM MALE TO N MALE

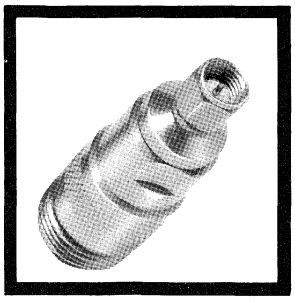


2081-2301

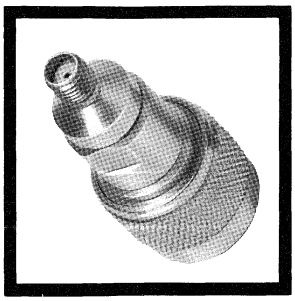
ARM MALE TO N FEMALE



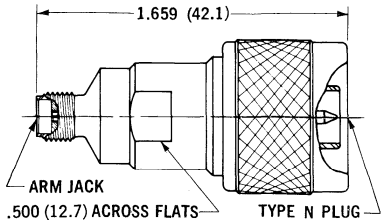
2082-2300



ADAPTERS

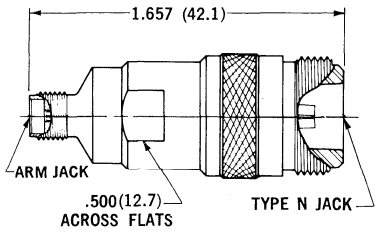


ARM FEMALE TO N MALE

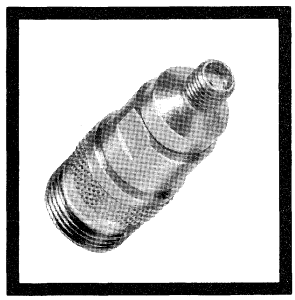


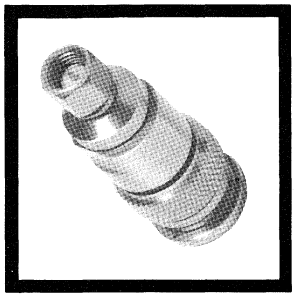
2082-2301

ARM FEMALE TO N FEMALE

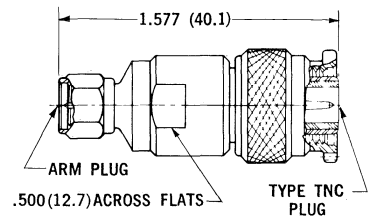


2080-2300



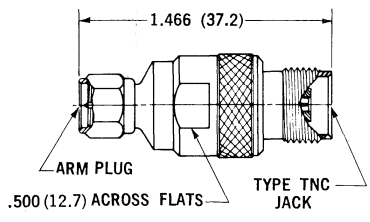


ARM MALE TO TNC MALE

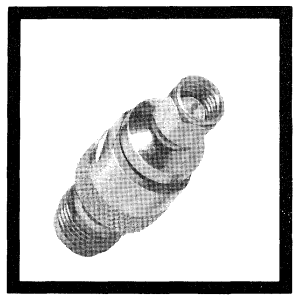


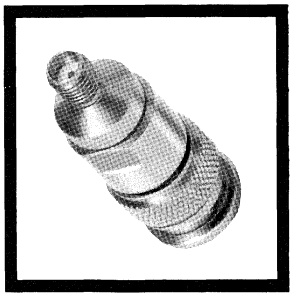
2081-2311

ARM MALE TO TNC FEMALE

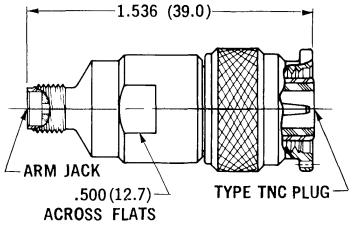


2082-2310



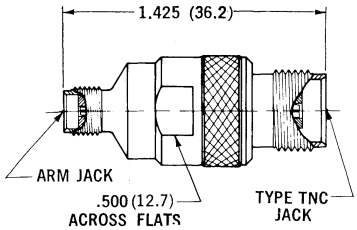


ARM FEMALE TO TNC MALE

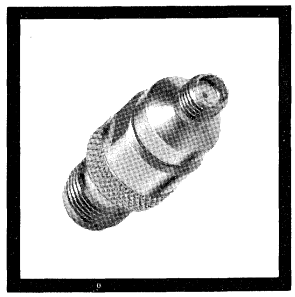


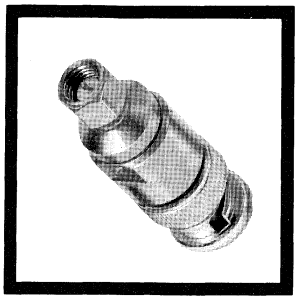
2082-2311

ARM FEMALE TO TNC FEMALE

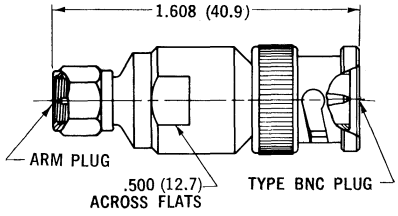


2080-2310



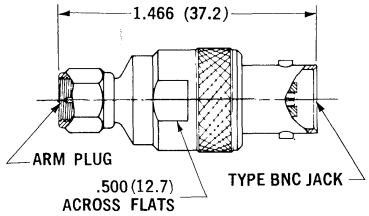


ARM MALE TO BNC MALE

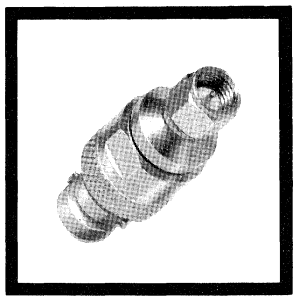


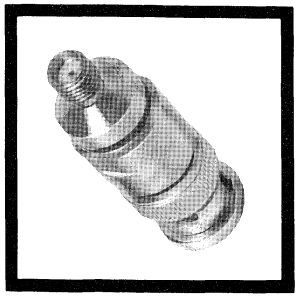
2081-2321

ARM MALE TO BNC FEMALE

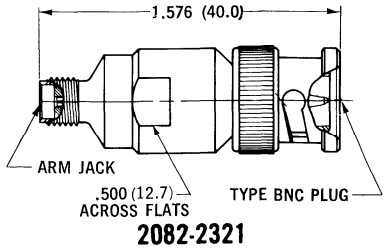


2082-2320



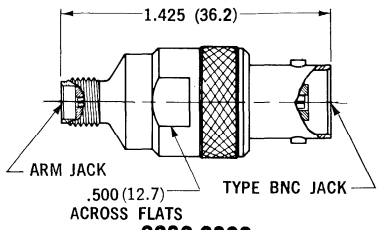


ARM FEMALE TO BNC MALE

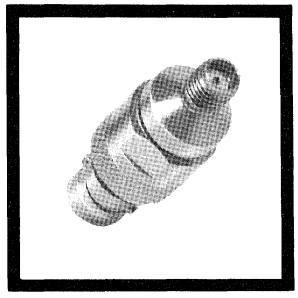


2082-2321

ARM FEMALE TO BNC FEMALE

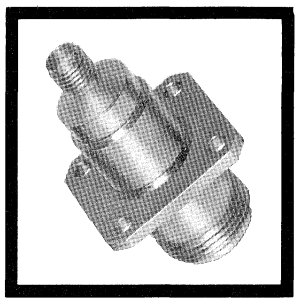


2080-2320

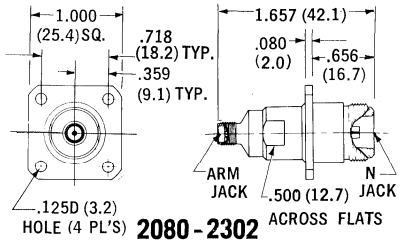


These units are constructed of passivated stainless steel. For additional versions please consult chart on pages 126-127.

PANEL MOUNTED ADAPTERS

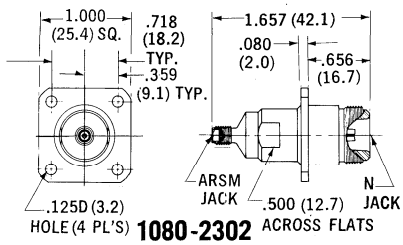


ARM FEMALE TO N FLANGE MOUNTED FEMALE

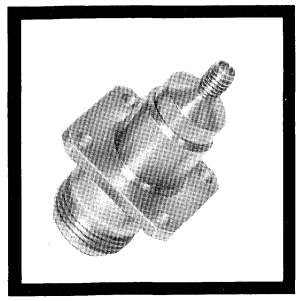


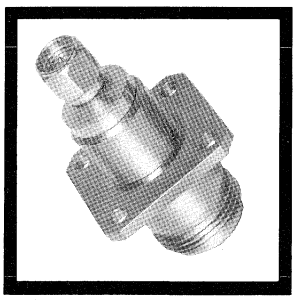
2080-2302

ARSM FEMALE TO N FLANGE MOUNTED FEMALE

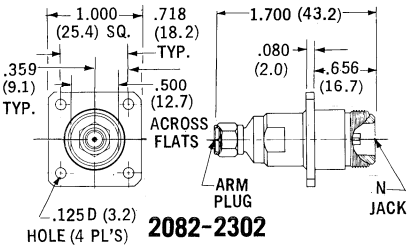


1080-2302



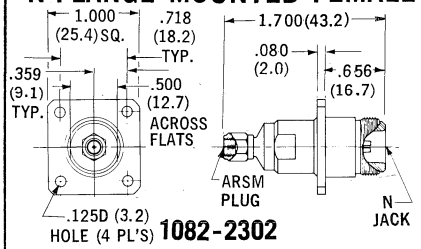


ARM MALE TO N FLANGE MOUNTED FEMALE

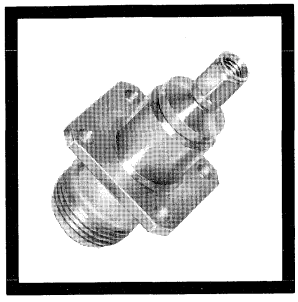


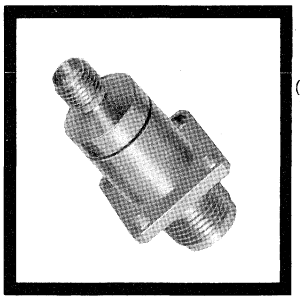
2082-2302

ARSM MALE TO N FLANGE MOUNTED FEMALE

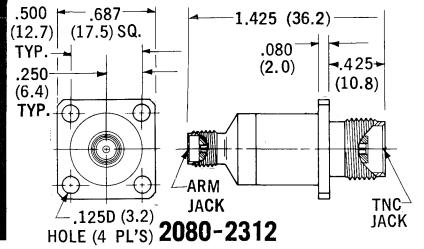


1082-2302



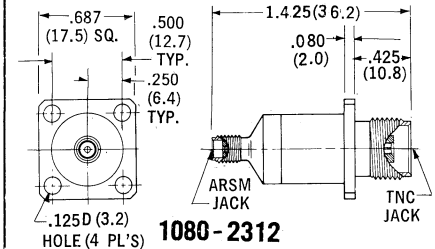


ARM FEMALE TO TNC FLANGE MOUNTED FEMALE

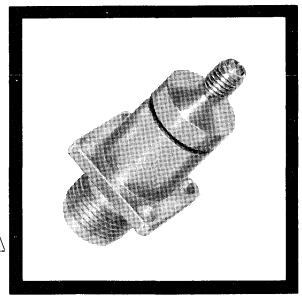


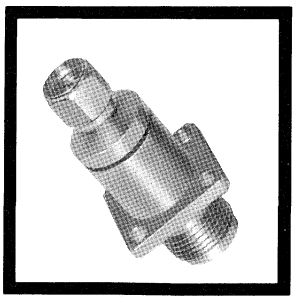
2080-2312

ARSM FEMALE TO TNC FLANGE MOUNTED FEMALE

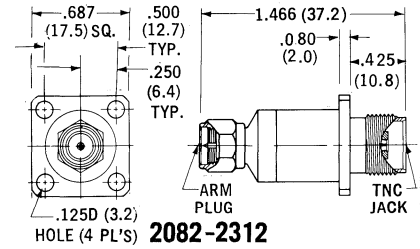


1080-2312



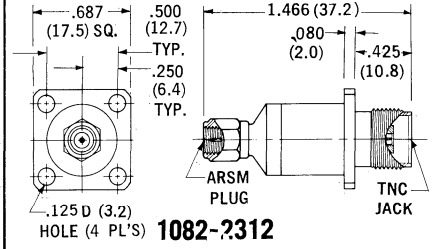


ARM MALE TO TNC FLANGE MOUNTED FEMALE

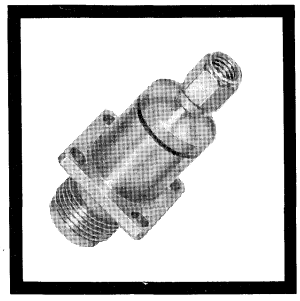


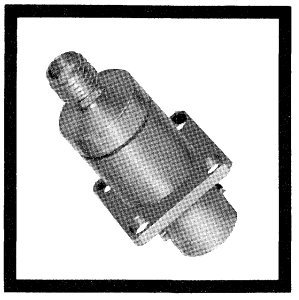
2082-2312

ARSM MALE TO TNC FLANGE MOUNTED FEMALE

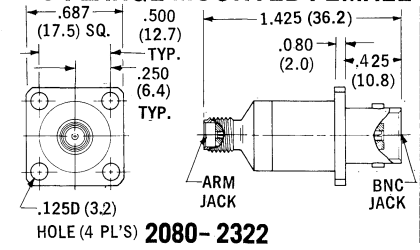


1082-2312



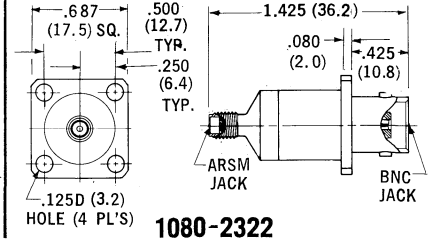


ARM FEMALE TO BNC FLANGE MOUNTED FEMALE

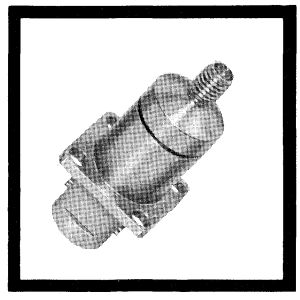


2080-2322

ARSM FEMALE TO BNC FLANGE MOUNTED FEMALE

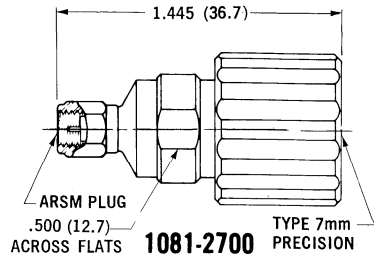


1080-2322



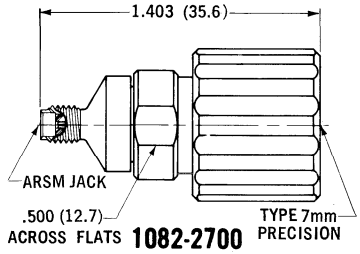
PRECISION 7mm ADAPTERS

ARSM MALE TO 7mm

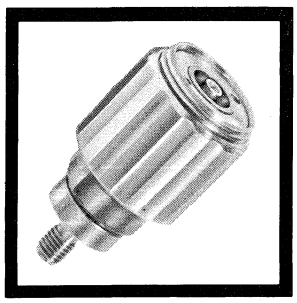


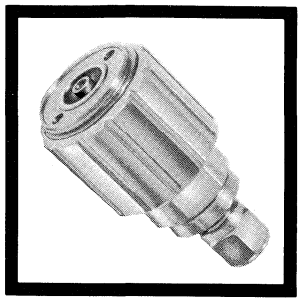
1081-2700

ARSM FEMALE TO 7mm

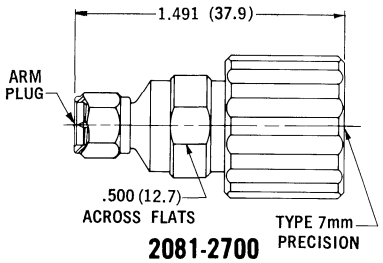


1082-2700



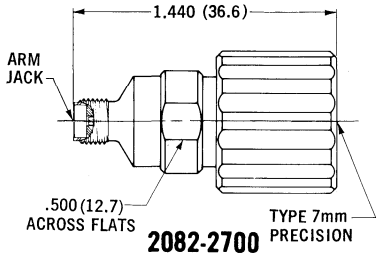


ARM MALE TO 7mm

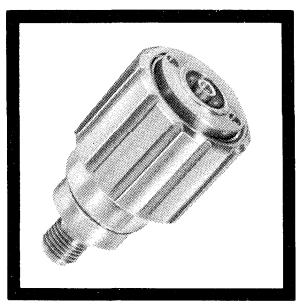


2081-2700

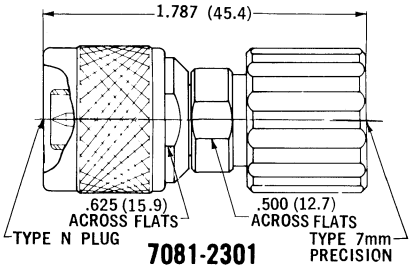
ARM FEMALE TO 7mm



2082-2700

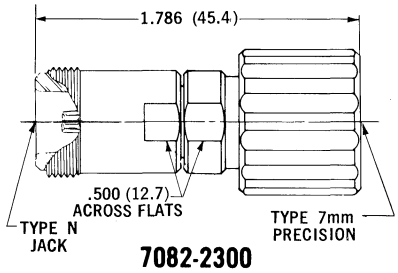


N MALE TO 7mm

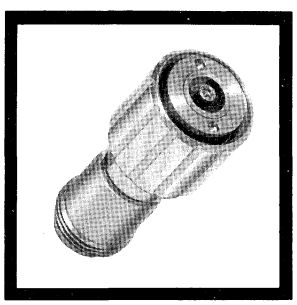


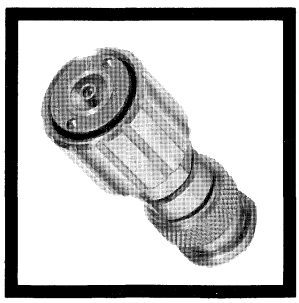
7081-2301

N FEMALE TO 7mm

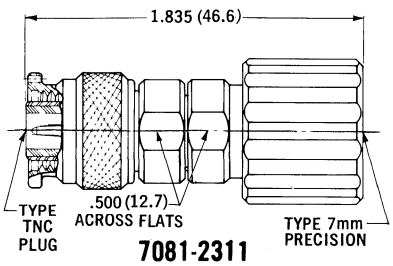


7082-2300



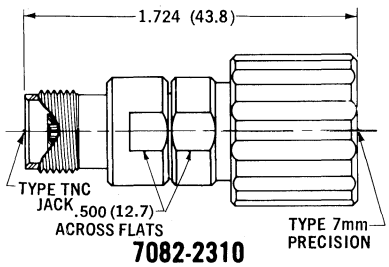


TNC MALE TO 7mm

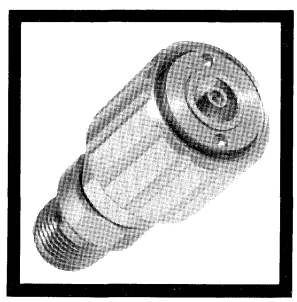


7081-2311

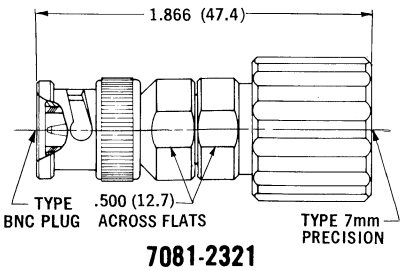
TNC FEMALE TO 7mm



7082-2310

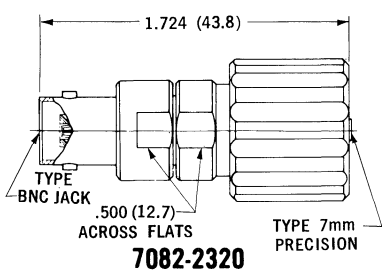


BNC MALE TO 7mm

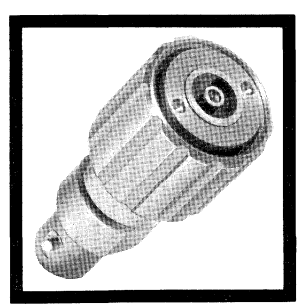


7081-2321

BNC FEMALE TO 7mm

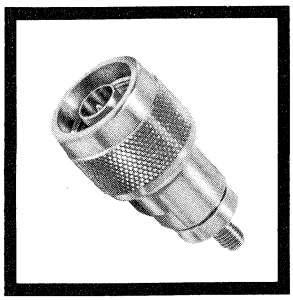


7082-2320

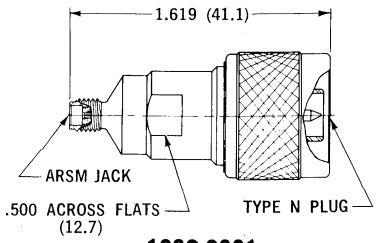


These units are constructed of passivated stainless steel. For additional versions please consult chart on pages 126-127.

ADAPTERS

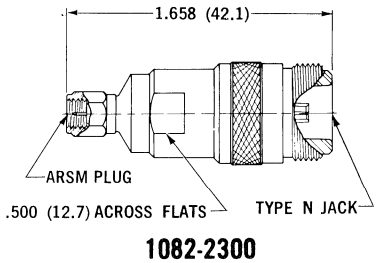


ARSM FEMALE TO N MALE

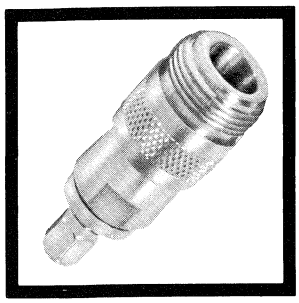


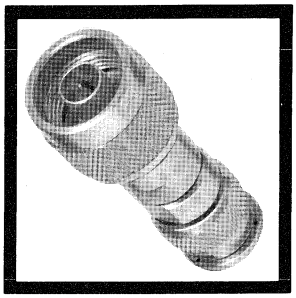
1082-2301

ARSM MALE TO N FEMALE

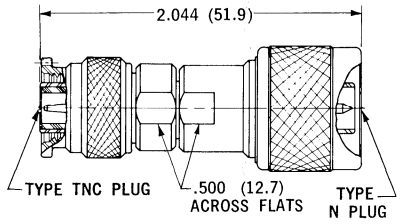


1082-2300



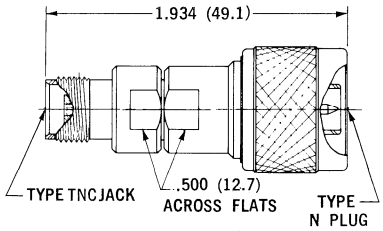


TNC MALE TO N MALE

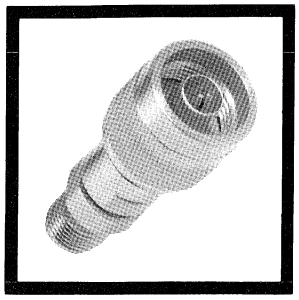


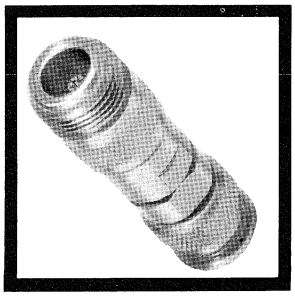
3081-2311

TNC FEMALE TO N MALE

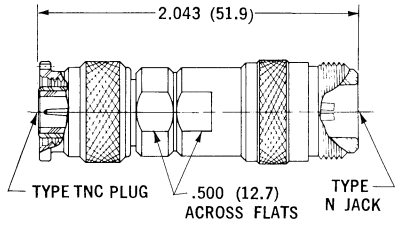


3082-2310



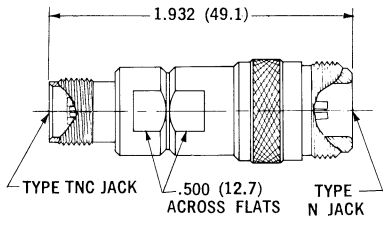


TNC MALE TO N FEMALE

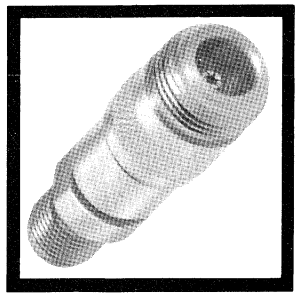


3082-2311

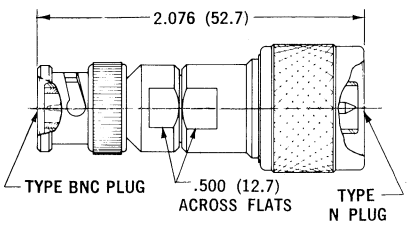
TNC FEMALE TO N FEMALE



3080-2310

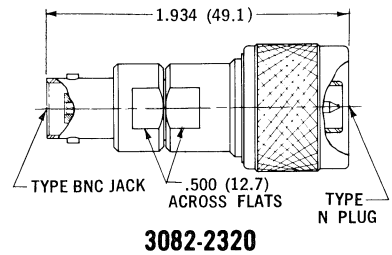


BNC MALE TO N MALE

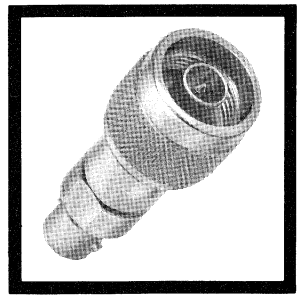


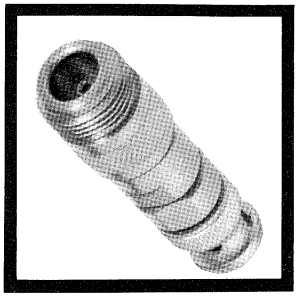
3081-2321

BNC FEMALE TO N MALE

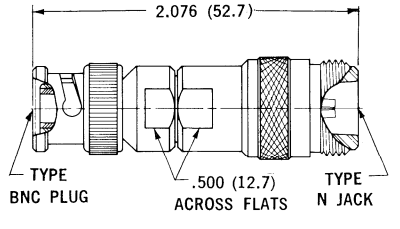


3082-2320



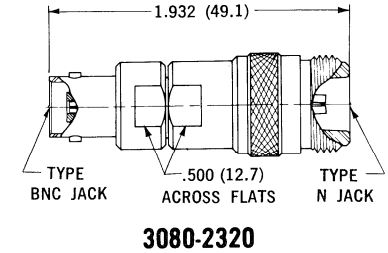


BNC MALE TO N FEMALE

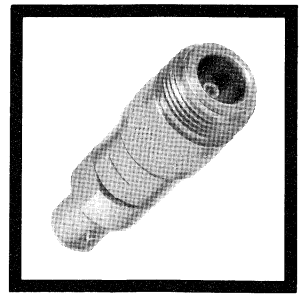


3082-2321

BNC FEMALE TO N FEMALE

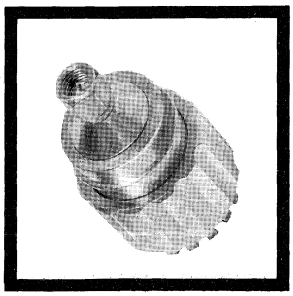


3080-2320

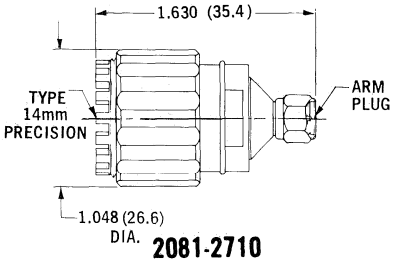


These units are constructed of passivated stainless steel. For additional versions please consult chart on pages 126-127.

ADAPTERS

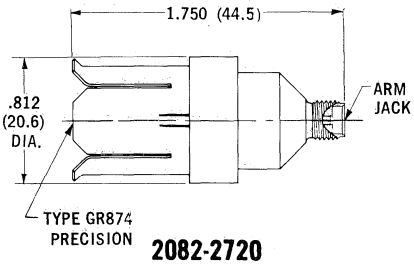


GR 900 TO ARM MALE

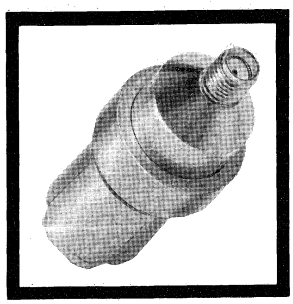


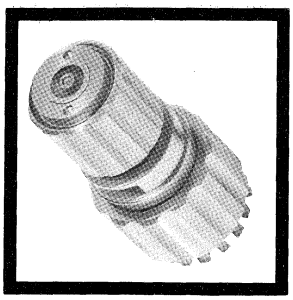
2081-2710

GR 874 TO ARM FEMALE

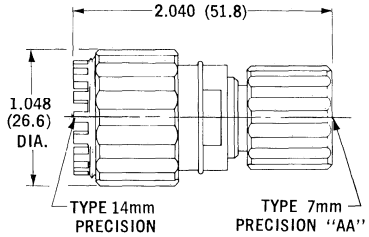


2082-2720



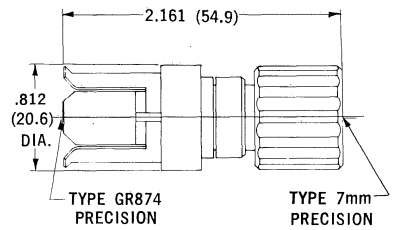


GR 900 TO 7mm

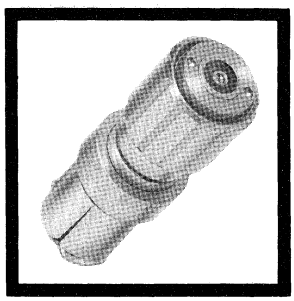


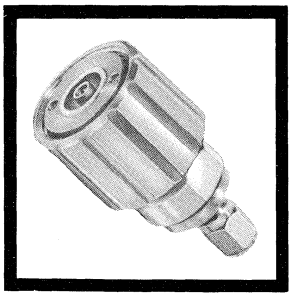
7081-2710

GR 874 TO 7mm

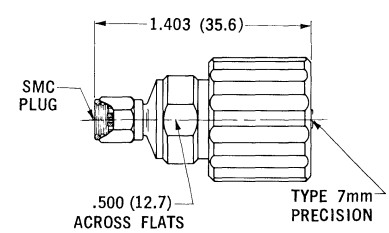


7081-2720



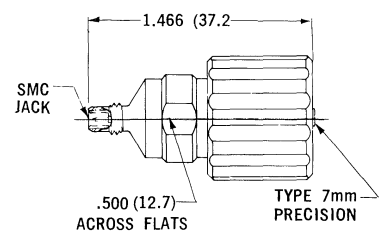


SMC FEMALE TO 7mm

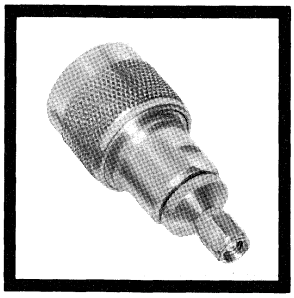


5081-2700

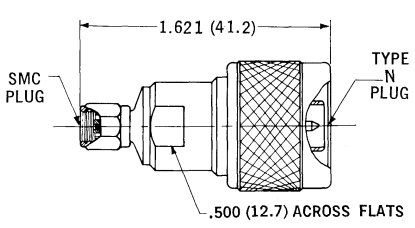
SMC MALE TO 7mm



5082-2700

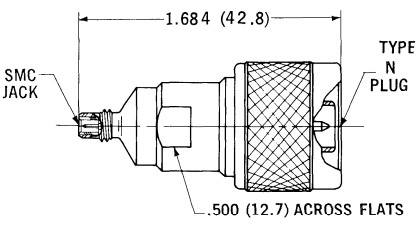


SMC FEMALE TO N MALE

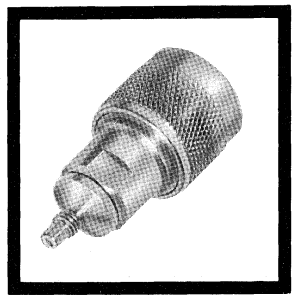


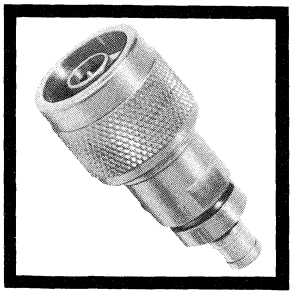
5081-2301

SMC MALE TO N MALE

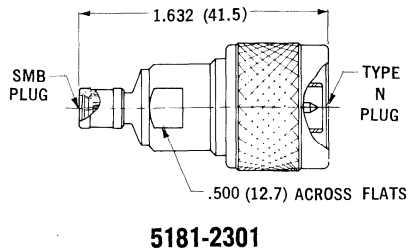


5082-2301



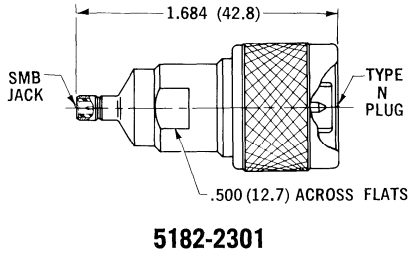


SMB FEMALE TO N MALE

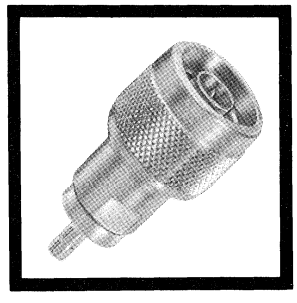


5181-2301

SMB MALE TO N MALE



5182-2301



Amerıcon

HOW TO USE THE ADAPTER SELECTION CHART

To locate an adapter between or within two series, select the mating interfaces of your choice in the horizontal and vertical columns, and follow them to their intersecting point. In the event the columns do not intersect, invert your choices to the opposite columns.

EXAMPLE

"ARM" female (horizontal column) to "ARM" male (vertical column) will not intersect, however "ARM" male (horizontal column) to "ARM" female (vertical column) will intersect part number is 2082-0001

VERTICAL

HORIZONTAL

	ARM MALE (SMA SERIES)	ARM FEMALE (SMA SERIES)	ARSM MALE (10-36 THD)	ARSM FEMALE (#10-36 THD)	ARMM MALE (#6-40 THD)	ARMM FEMALE (#6-40 THD)	QRMM MALE (SNAP-ON)	QRMM FEMALE (SNAP-ON)	SMC FEMALE (#10-32 THD) (SCREW-ON PLUG)	SMC MALE (#10-32 THD) (SCREW-ON JACK)	SMB FEMALE (SNAP-ON PLUG)	SMB MALE (SNAP-ON JACK)	7MM PRECIFIX AA	7MM PRECIFIX AA FLANGE MTD.	7MM PRECIFIX A	7MM PRECIFIX A FLANGE MTD.
ARM MALE (SMA SERIES)	2081-0000															
ARM FEMALE (SMA SERIES)	2082-0000	2080-0000														
ARSM MALE (10-36 THD)	2081-2201	2082-2201	1081-0000													
ARSM FEMALE (#10-36 THD)	2082-2202	2080-2202	1082-0000	1080-0000												
ARMM MALE (#6-40 THD)	2081-2211	2082-2211	1081-2211	1082-2211	4081-0000											
ARMM FEMALE (#6-40 THD)	2082-2212	2080-2212	1082-2212	1080-2212	4082-0000	4080-0000										
QRMM MALE (SNAP-ON)	2081-2213	2082-2213	1081-2213	1082-2213	4081-2213	4082-2213	4181-0000									
QRMM FEMALE (SNAP-ON)	2082-2214	2080-2214	1082-2214	1080-2214	4082-2214	4080-2214	4182-0000	4180-0000								
SMC FEMALE (SCREW-ON PLUG)	2081-2221	2082-2221	1081-2221	1082-2221	4081-2221	4082-2221	4181-2221	4182-2221	5081-0000							
SMC MALE (SCREW-ON JACK)	2082-2222	2080-2222	1082-2222	1080-2222	4082-2222	4080-2222	4182-2222	4180-2222	5082-0000	5080-0000						
SMB FEMALE (SNAP-ON PLUG)	2081-2223	2082-2223	1081-2223	1082-2223	4081-2223	4082-2223	4181-2223	4182-2223	5081-2223	5082-2223	5181-0000					
SMB MALE (SNAP-ON JACK)	2082-2224	2080-2224	1082-2224	1080-2224	4082-2224	4080-2224	4182-2224	4180-2224	5082-2224	5080-2224	5182-0000	5180-0000				
7MM PRECIFIX AA	2081-2700	2082-2700	1081-2700	1082-2700	4081-2700	4082-2700	4181-2700	4182-2700	5081-2700	5082-2700	5181-2700	5182-2700	7081-0000			
7MM PRECIFIX AA FLANGE MTD.	2081-2702	2082-2702	1081-2702	1082-2702	4081-2702	4082-2702	4181-2702	4182-2702	5081-2702	5082-2702	5181-2702	5182-2702	7081-2702			
7MM PRECIFIX A	2081-2701	2082-2701	1081-2701	1082-2701	4081-2701	4082-2701	4181-2701	4182-2701	5081-2701	5082-2701	5181-2701	5182-2701	7081-2701	7181-2702	7181-0000	
7MM PRECIFIX A FLANGE MTD.	2081-2703	2082-2703	1081-2703	1082-2703	4081-2703	4082-2703	4181-2703	4182-2703	5081-2703	5082-2703	5181-2703	5182-2703	7081-2703		7181-2703	
7MM DECIFIX A	2081-2704	2082-2704	1081-2704	1082-2704	4081-2704	4082-2704	4181-2704	4182-2704	5081-2704	5082-2704	5181-2704	5182-2704	7081-2704	7281-2702	7181-2704	7281-270
7MM DECIFIX A FLANGE MTD.	2081-2705	2082-2705	1081-2705	1082-2705	4081-2705	4082-2705	4181-2705	4182-2705	5081-2705	5082-2705	5181-2705	5182-2705	7081-2705		7181-2705	
TYPE 'N' MALE	2081-2301	2082-2301	1081-2301	1082-2301	4081-2301	4082-2301	4181-2301	4182-2301	5081-2301	5082-2301	5181-2301	5182-2301	7081-2301	3081-2702	7181-2301	3081-270
TYPE 'N' FEMALE	2082-2300	2080-2300	1082-2300	1080-2300	4082-2300	4080-2300	4182-2300	4180-2300	5082-2300	5080-2300	5182-2300	5180-2300	7082-2300	3082-2702	7182-2300	3082-270
TYPE 'N' FLANGE MTD. FEMALE	2082-2302	2080-2302	1082-2302	1080-2302	4082-2302	4080-2302	4182-2302	4180-2302	5082-2302	5080-2302	5182-2302	5180-2302	7082-2302		7182-2302	
"TNC" MALE	2081-2311	2082-2311	1081-2311	1082-2311	4081-2311	4082-2311	4181-2311	4182-2311	5081-2311	5082-2311	5181-2311	5182-2311	7081-2311	3181-2702	7181-2311	3181-270
"TNC" FEMALE	2082-2310	2080-2310	1082-2310	1080-2310	4082-2310	4080-2310	4182-2310	4180-2310	5082-2310	5080-2310	5182-2310	5180-2310	7082-2310	3182-2702	7182-2310	3182-270
"TNC" FLANGE MTD. FEMALE	2082-2312	2080-2312	1082-2312	1080-2312	4082-2312	4080-2312	4182-2312	4180-2312	5082-2312	5080-2312	5182-2312	5180-2312	7082-2312		7182-2312	
"BNC" MALE	2081-2321	2082-2321	1081-2321	1082-2321	4081-2321	4082-2321	4181-2321	4182-2321	5081-2321	5082-2321	5181-2321	5182-2321	7081-2321	3281-2702	7181-2321	3281-270
"BNC" FEMALE	2082-2320	2080-2320	1082-2320	1080-2320	4082-2320	4080-2320	4182-2320	4180-2320	5082-2320	5080-2320	5182-2320	5180-2320	7082-2320	3282-2702	7182-2320	3282-270
"BNC" FLANGE MTD. FEMALE	2082-2322	2080-2322	1082-2322	1080-2322	4082-2322	4080-2322	4182-2322	4180-2322	5082-2322	5080-2322	5182-2322	5180-2322	7082-2322		7182-2322	
14MM GR-900	2081-2710	2082-2710	1081-2710	1082-2710	4081-2710	4082-2710	4181-2710	4182-2710	5081-2710	5082-2710	5181-2710	5182-2710	7081-2710	8081-2702	7181-2710	8081-270
14MM GR-900 FLANGE MTD.	2081-2712	2082-2712	1081-2712	1082-2712	4081-2712	4082-2712	4181-2712	4182-2712	5081-2712	5082-2712	5181-2712	5182-2712	7081-2712		7181-2712	
GR 874	2081-2720	2082-2720	1081-2720	1082-2720	4081-2720	4082-2720	4181-2720	4182-2720	5081-2720	5082-2720	5181-2720	5182-2720	7081-2720	8181-2702	7181-2720	8181-270
GR 874 FLANGE MTD.	2081-2722	2082-2722	1081-2722	1082-2722	4081-2722	4082-2722	4181-2722	4182-2722	5081-2722	5082-2722	5181-2722	5182-2722	7081-2722		7181-2722	
GR 874 BBL LOCKING TYPE	2081-2723	2082-2723	1081-2723	1082-2723	4081-2723	4082-2723	4181-2723	4182-2723	5081-2723	5082-2723	5181-2723	5182-2723	7081-2723	8281-2702	7181-2723	8281-270
GR 874 BBL FLANGE MTD.	2081-2724	2082-2724	1081-2724	1082-2724	4081-2724	4082-2724	4181-2724	4182-2724	5081-2724	5082-2724	5181-2724	5182-2724	7081-2724		7181-2724	

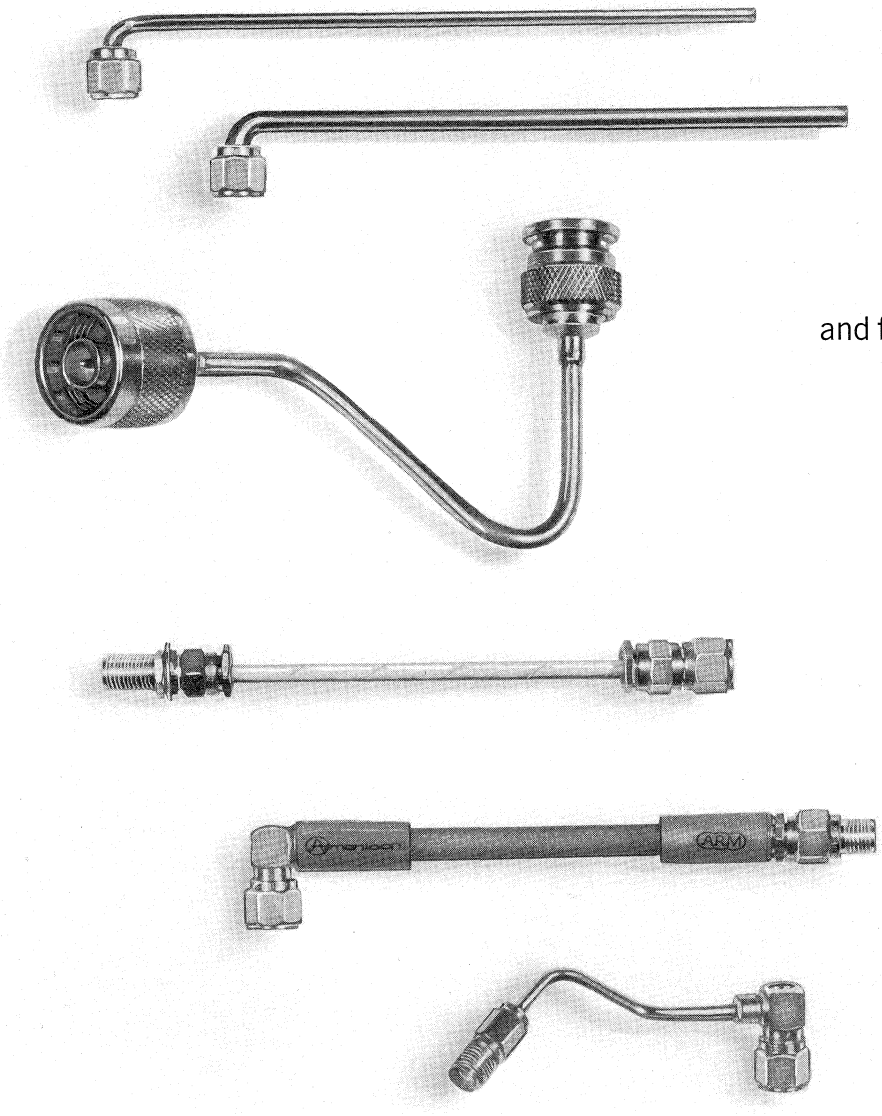
ADAPTER SELECTION CHART

	7MM DECIFIX A	7MM DECIFIX A FLANGE MTD.	TYPE 'N' MALE	TYPE 'N' FEMALE	TYPE 'N' FLANGE MTD. FEMALE	"TNC" MALE	"TNC" FEMALE	"TNC" FLANGE MTD. FEMALE	"BNC" MALE	"BNC" FEMALE	"BNC" FLANGE MTD. FEMALE	14 MM GR-900	14 MM GR-900 FLANGE MTD.	GR 874	GR 874 FLANGE MTD.	GR 874 BBL LOCKING TYPE	GR 874 BBL FLANGE MTD.
'281-0000																	
'281-2705																	
'281-2301	3081-2705	3081-0000															
'282-2300	3082-2705	3082-0000	3080-0000														
'282-2302		3082-2302	3080-2302														
281-2311	3181-2705	3081-2311	3082-2311	3182-2302	3181-0000												
282-2310	3182-2705	3082-2310	3080-2310	3180-2302	3182-0000	3180-0000											
'282-2312		3082-2312	3080-2312		3182-2312	3180-2312											
281-2321	3281-2705	3081-2321	3082-2321	3282-2302	3181-2321	3182-2321	3282-2312	3281-0000									
282-2320	3282-2705	3082-2320	3080-2320	3280-2302	3182-2320	3180-2320	3280-2312	3282-0000	3280-0000								
'282-2322		3082-2322	3080-2322		3182-2322	3180-2322		3282-2322	3280-2322								
281-2710	8081-2705	3081-2710	3082-2710	8082-2302	3181-2710	3182-2710	8082-2312	3281-2710	3282-2710	8082-2322	8081-0000						
281-2712		3081-2712	3082-2712		3181-2712	3182-2712		3281-2712	3282-2712		8081-2712						
281-2720	8181-2705	3081-2720	3082-2720	8182-2302	3181-2720	3182-2720	8182-2312	3281-2720	3282-2720	8182-2322	8081-2720	8181-2712	8181-0000				
281-2722		3081-2722	3082-2722		3181-2722	3182-2722		3281-2722	3282-2722		8081-2722		8181-2722				
281-2723	8281-2705	3081-2723	3082-2723	8282-2302	3181-2723	3182-2723	8282-2312	3281-2723	3282-2723	8282-2322	8081-2723	8281-2712	8181-2723	8281-2722	8281-0000		
281-2724		3081-2724	3082-2724		3181-2724	3182-2724		3281-2724	3282-2724		8081-2724		8181-2724		8281-2724		

Always in demand whether for lab or system, these precision adapters provide smooth and accurate transitions throughout the frequency spectrum. Available in almost every combination possible, this versatile series of adapters are in most cases constructed of stainless steel to withstand the grueling use of a test lab or production test bench.

Performance characteristics, though dependent on type and frequency range generally exhibit V.S.W.R. below 1.1:1 from D.C. thru 18 GHz. For particular performance characteristics, please contact us or our representative in your area.

MICROWAVE CABLE ASSEMBLIES



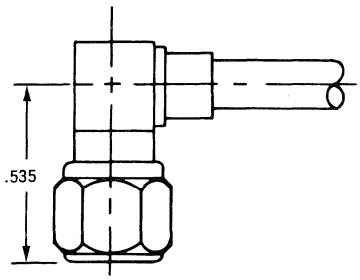
A high performance microwave system depends on the quality and integrity of the interconnecting assemblies that are utilized in it. Americon offers a complete cable assembly capability for both semi-rigid and flexible cables using ARM, ARSM, ARMM, QRMM, SMB, SMC N, TNC, BNC or 7mm connectors with excellent performance capability up through 18 GHz.

ECONOMY IN CABLE ASSEMBLIES

ELIMINATE:

- **INDIVIDUAL CONNECTOR PACKAGING COSTS**
- **HIGH CABLE COSTS CAUSED BY SMALL QUANTITY PURCHASES**
- **LOSS AND DAMAGE OF PARTS IN PROCESS**
- **COSTLY IN-HOUSE TESTING TIME**
- **COSTLY TRAINING TIME FOR ASSEMBLY PERSONNEL**

CABLE ASSEMBLIES



CONVENTIONAL RIGHT ANGLE CONFIGURATION

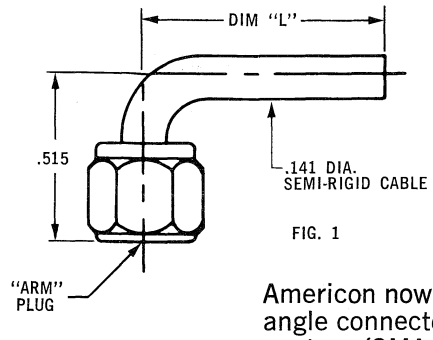


FIG. 1

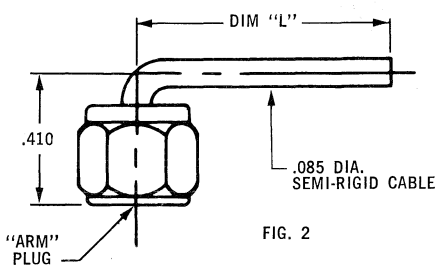


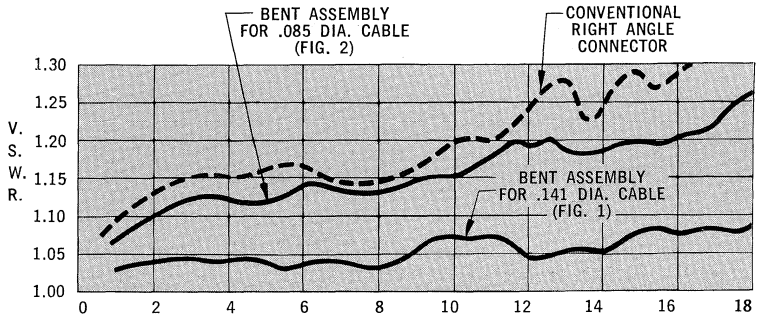
FIG. 2

AMERICON PART NO. (.141 DIA)	DIM "L" (IN INCHES)	AMERICON PART NO. (.085 DIA)
9914-7302	2	**9915-7302**
9914-7304	4	**9915-7304**
9914-7306	6	**9915-7306**
9914-7308	8	**9915-7308**
9914-7310	10	**9915-7310**
9914-7312	12	**9915-7312**
9914-7314	14	**9915-7314**
9914-7316	16	**9915-7316**
9914-7318	18	**9915-7318**
9914-7320	20	**9915-7320**
9914-7322	22	**9915-7322**
9914-7324	24	**9915-7324**

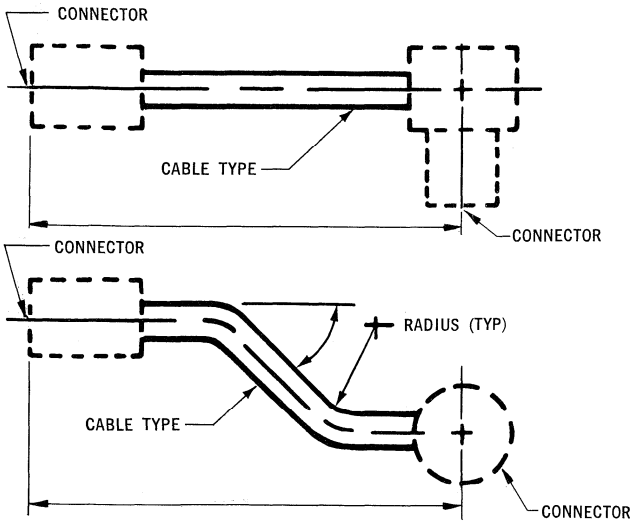
Americon now offers a replacement for conventional right angle connectors utilizing low VSWR straight coaxial connectors (SMA per MIL-C-39012) and miniature semi-rigid coaxial cables.

This is achieved by mounting the straight connector at a 90° angle to the coaxial cable (Fig. 1 & 2) and is supplied as a completely assembled unit.

The right angle assemblies are available for .085 and .141 Dia. semi-rigid cable, larger size cables such as .250 and .325 Dia. can also be supplied upon special request.



Specifications

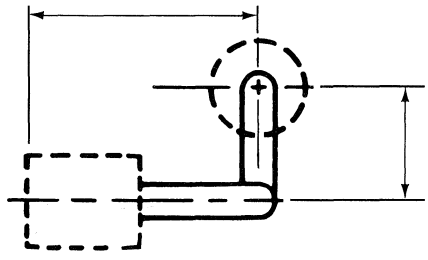


Americon cable assemblies are precisely assembled and 100% tested mechanically and electrically by highly skilled personnel to provide the ultimate in RF quality and reliability.

Cable assemblies are custom fabricated to your individual specifications. The sketches shown are intended as a guide in dimensioning your particular application.

Please submit your sketches along with electrical specification whether it be VSWR, attenuation or phase matching when requesting quotations.

Our engineers are available to assist you in your particular design requirements.



CABLE-CONNECTOR DESIGNATION CHART

Selecting the correct cable-connector combination is a task which must be done with equal consideration to both constituents. Once the cable is chosen, the physical and electrical performance characteristics narrow the range of connectors which will interface correctly with the chosen cable, provided a microwave integrity for a 50 ohm line is to be maintained. If an IF, VIDEO, or other high impedance requirement is needed naturally the scope will widen on selection. To assist the user in selecting the correct cable for a particular application the opposite page exhibits a listing of the more popular cables with their respective attenuation and power handling characteristics.

Assembly instructions required to assemble the suggested connectors to the cables are enclosed with each shipment of connectors, and should be followed carefully to insure proper performance.

SEMI-RIGID CABLES

CABLE DIAMETER		.034	.047	.070	.0865	.141	.250	.325
IMPEDANCE (OHMS)		50	50	50	50	50	50	50
DIA.	OUTER CONDUCTOR	.034±.001	.047±.001	.070±.001	.0865±.001	.141±.001	.250±.001	.325±.002
	DIELECTRIC CORE	.027±.001	.037±.001	.059±.001	.0658±.001	.1185±.001	.210±.002	.285±.002
	CENTER CONDUCTOR	.008 NOM	.0113 NOM	.0179 NOM	.0201 NOM	.0359 NOM	.064 NOM	7X.0312
CONFIGURATION	SERIES	PAGE NUMBER						
DIRECT SOLDER VERSION	ARM (SMA)			10	10 & 11	10 & 11	*	
	QRM			33	33	33	*	
	ARSM			40	40			
	ARMM	58	58					
	QRMM	62	62					
	7mm PRECIFIX AA				*	81	*	
	7MM PLUG				*	82	*	
	7mm JACK				*	83	*	
	N TYPE				93	93	*	
	TNC TYPE				103	103	*	
	BNC TYPE				113	113	*	
SOLDER CLAMP VERSION	ARM (SMA)			12	12	12		
	QRM			32, 33	32, 33	32, 33		
	ARSM			39	39	*		
	N TYPE				91	91		
	TNC TYPE				101	101		
	BNC TYPE				111	111		
CABLE CLAMP VERSION	ARM (SMA)			13	13	13	11	
	ARSM			41	41	*		
	7mm PRECIFIX AA					*	81	81
	7mm PLUG					*	82	82
	7mm JACK					*	83	83
	N TYPE					*	92	92
	TNC TYPE					*	102	102
	BNC TYPE					*	112	112

FLEXIBLE CABLES

	CABLE TYPE	RG-55/U	RG-58/U	RG-141/U	RG-142/U	RG-174/U	RG-178/U	RG-179/U	RG-180/U	RG-187/U	RG-188/U	RG-195/U	RG-196/U	RG-214/U	RG-223/U	RG-303/U	RG-316/U
	IMPEDANCE (OHMS)	53.5	50	50	50	50	50	75	95	75	50	95	50	50	50	50	50
DIA.	JACKET	.206 MAX	.195±.004	.190±.005	.195±.005	.100±.005	.075 MAX	.100±.005	.145 MAX	.110 MAX	.110 MAX	.155 MAX	.080 MAX	.425±.007	.216 MAX	.170±.005	.102 MAX
	OUTER CONDUCTOR	.176 MAX	.150 MAX	.146 MAX	.171 MAX	.088 MAX	.054 MAX	.084 MAX	.124 MAX	.084 MAX	.081 MAX	.124 MAX	.054 MAX	.360 MAX	.176 MAX	.146 MAX	.081 MAX
	DIELECTRIC CORE	.116±.005	.116±.004	.116±.005	.116±.005	.060±.003	.034±.002	.063±.003	.102±.003	.060 +.006 −.000	.060±.003	.102±.003	.034±.002	.285±.007	.116±.004	.116±.005	.060±.003
	CENTER CONDUCTOR	.032 NOM	.0375 MAX	.039±.001	.039±.001	.020 NOM	.012 NOM	.012 NOM	.012 NOM	.012 NOM	.020 NOM	.012 NOM	.012 NOM	.089±.001	.035±.001	.039±.001	.020 NOM
CONFIGURATION	SERIES	PAGE NUMBER															
CABLE CLAMP VERSION	ARM (SMA)	6	6	6	6	6	*	6	6	6	6	6	*		6	6	6
	QRM	31	31	31	31	31	*	31	31	31	31	31	*		31	31	31
	ARSM	*	*	*	*	36	36	36		36	36		36		*	*	36
	SMC	*	*	*	*	68	68	68		68	68		68		*	*	68
	SMB	*	*	*	*	69	69	69		69	69		69		*	*	69
	7mm PRECIFIX AA	81	81	81	81									81	81	81	
	7mm PLUG	82	82	82	82									82	82	82	
	7mm JACK	83	83	83	83									83	83	83	
	N TYPE	94	94	94	94	94		94	94	94	94	94		*	94	94	94
	TNC TYPE	104	104	104	104	104		104	104	104	104	104		*	104	104	104
	BNC TYPE	114	114	114	114	114		114	114	114	114	114		*	114	114	114
CABLE CRIMP VERSION	ARM (SMA)	7 & 8	7 & 8	7 & 8	7 & 8	7 & 8		7 & 8	7 & 8	7 & 8	7 &8	7 & 8			7 & 8	7 & 8	7 & 8
	QRM	32	32	32	32	32		32	32	32	32	32			32	32	32
	ARSM	*	*	*	*	37	37	37		37	37		37		*	*	37
	ARMM						58						58				
	QRMM						62						62				
	SMC	*	*	*	*	70	70	70		70	70		70		*	*	70
	SMB	*	*	*	*	71	71	71		71	71		71		*	*	71
	7mm PRECIFIX AA	81	81	81	81										81	81	
	7mm PLUG	82	82	82	82										82	82	
	7mm JACK	83	83	83	83										83	83	
	N TYPE	95	95	95	95	95			95	95	95	95	95		95	95	95
	TNC TYPE	105	105	105	105	105			105	105	105	105	105		105	105	105
	BNC TYPE	115	115	115	115	115			115	115	115	115	115		115	115	115
SOLDER ATTACHMENT VERSION	ARM (SMA)	9	9	9	9	9		9	9	9	9	9			9	9	9
	ARSM					38	38	38		38	38		38				38

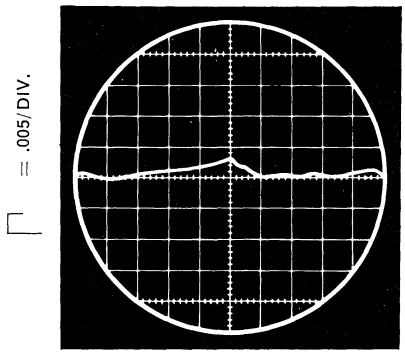
* Though not shown is this catalog, this connector is available in this configuration for this cable

CABLE PERFORMANCE DATA

SEMI-RIGID CABLES

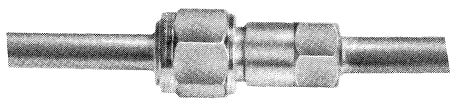
CABLE DIA.	ATTENUATION RATING TYP DB/100 FT. AT FREQUENCY GHz									
	.001	.01	.05	.1	.2	.4	1	3	5	10
.034	1.7	5.1	11	15	21	29	44	75	100	150
.047	1.6	4.4	9.5	11.2	16	24.5	36	68	87	130
.070	0.95	2.5	5.6	6.5	9	13	20	36	45	66
.0865	0.67	1.7	4.4	5	7.2	11	17	32	42	62
.141	0.43	1.1	2.6	3.1	4.5	6.7	10.7	19.5	26	39.5
.250	0.11	0.39	1.0	1.3	2.1	3.2	5.8	11.5	16.5	25
.325	0.14	0.47	1.15	1.35	2.1	3.2	5.5	10.6	14.3	22

CABLE DIA.	POWER RATING MAXIMUM WATTS AT FREQUENCY GHz									
	.001	.01	.05	.1	.2	.4	1	3	5	10
.034	810	400	200	160	120	80	50	27	—	—
.047	1,170	550	301	235	177	118	76	39	—	—
.070	1,470	760	490	390	318	269	152	79	52	—
.0865	1,450	710	440	400	310	240	150	80	56	33
.141	12,000	3,400	1,700	1,300	960	680	430	250	195	135
.250	30,000	8,000	3,600	2,800	1,900	1,350	780	440	340	230
.325	108,000	36,000	14,000	9,000	6,000	4,000	2,100	1,100	820	540



1.06 CM/CM of DISPLAY

TDR TRACE OF ARM 2001-7941 AND 2002-7941

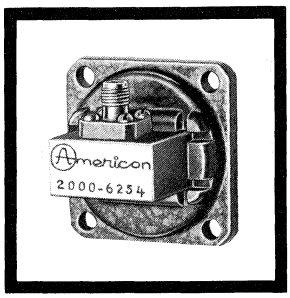


FLEXIBLE CABLES

RG/U CABLE	ATTENUATION RATING TYP DB/100 FT. AT FREQUENCY GHz										POWER RATING MAXIMUM WATTS AT FREQUENCY GHz									
	.001	.01	.05	.1	.2	.4	1	3	5	10	.001	.01	.05	.1	.2	.4	1	3	5	10
55	.30	1.2	3.2	4.8	7.0	10.0	16.5	30.5	46.0	>100.0	5,600	1,700	700	480	320	215	120	60	40	—
58	.33	1.25	3.15	4.6	6.9	10.5	17.5	37.5	60.0	>100.0	3,500	1,000	450	300	200	135	80	40	20	—
141	.30	.90	2.1	3.3	4.7	6.9	13.0	26.0	40.0	90.0	19,000	6,300	2,700	1,700	1,200	830	450	220	140	65
142	.34	1.1	2.7	3.9	5.6	8.0	13.5	27.0	39.0	70.0	19,000	5,700	2,600	1,800	1,300	900	530	265	175	100
174	2.3	3.9	6.6	8.9	12.0	17.5	30.0	64.0	99.0	>100.0	1,000	350	160	110	80	60	35	15	10	—
178	2.6	5.6	10.5	14.0	19.0	28.0	46.0	85.0	>100.0	>100.0	1,300	640	330	240	180	120	75	40	—	—
179	3.0	5.3	8.5	10.0	12.5	16.0	24.0	44.0	64.0	>100.0	3,000	1,400	750	480	420	320	190	100	73	—
180	2.4	3.3	4.6	5.7	7.6	10.8	17.0	35.0	50.0	88.0	4,500	2,000	1,100	800	570	400	240	130	90	50
187	3.0	5.3	8.5	10.0	12.5	16.0	24.0	44.0	65.0	>100.0	3,000	1,400	750	480	420	320	190	100	73	—
188	3.1	6.0	9.6	11.4	14.2	16.7	31.0	60.0	82.0	>100.0	1,500	770	480	400	325	275	150	80	55	—
195	2.4	3.3	4.6	5.7	7.6	10.8	17.0	35.0	50.0	88.0	4,500	2,000	1,100	800	570	400	240	130	90	50
196	2.6	5.6	10.5	14.0	19.0	28.0	46.0	85.0	>100.0	>100.0	1,300	640	330	240	180	120	75	40	—	—
214	.21	.66	1.5	2.3	3.3	5.0	8.8	18.0	27.0	45.0	9,000	2,700	1,120	780	550	360	200	100	65	40
223	.30	1.2	3.2	4.8	7.0	10.0	16.5	30.5	46.0	>100.0	5,600	1,700	700	480	320	215	120	60	40	—
303	.30	1.2	2.7	3.8	5.1	7.0	12.8	25.0	37.0	70.0	19,000	5,700	2,600	1,800	1,300	900	530	265	175	100
316	3.0	3.1	9.0	11.5	14.2	16.7	26.0	50.0	85.0	>100.0	1,500	770	480	400	325	275	150	80	55	—

WAVEGUIDE TO ARM COAXIAL ADAPTERS

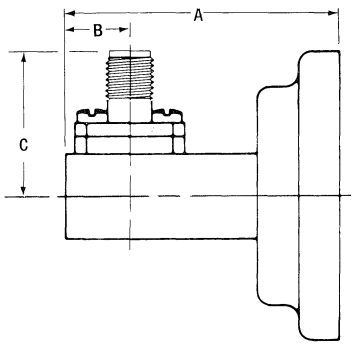
- FREQUENCY RANGE: 2.6 to 26.5 GHz
- CONNECTOR: ARM MINIATURE JACK**
- V.S.W.R. 1.1:1 TYPICAL, 1.25: 1 MAX.



These waveguide to "ARM" miniature coaxial adapters allow convenient and accurate transition from waveguide to miniature coaxial line throughout the frequency spectrum.

Available with either cover or choke flanges, and "ARM" jack or plug connectors.

The combination of their light weight aluminum construction and superior performance make them ideal for either the system or the laboratory.

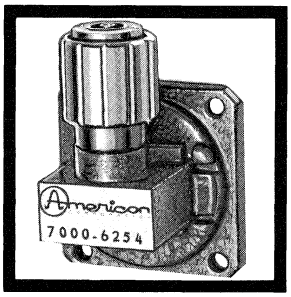


AMERICON PART NO.	FREQUENCY RANGE (GHz)	WAVEGUIDE TYPE	FLANGE TYPE*	DIM A ±.015 (0.38)	DIM B ±.015 (0.38)	DIM C ±.015 (0.38)
2000-6250	2.6-3.95	WR-284	UG-584/U	2.478 (62.9)	1.123 (28.5)	1.205 (30.6)
2000-6251	3.95-5.85	WR-187	UG-407/U	1.875 (47.6)	.719 (18.3)	.955 (24.3)
2000-6252	5.85-8.2	WR-137	UG-441/U	1.500 (38.1)	.500 (12.7)	.830 (21.1)
2000-6253	7.05-10.0	WR-112	UG-138/U	1.281 (32.5)	.375 (9.5)	.767 (19.5)
2000-6258	7.0-11.0	WR-102	UG-1493/U	1.400 (35.6)	.494 (12.6)	.774 (19.7)
2000-6254	8.2-12.4	WR-90	UG-135/U	1.281 (32.5)	.375 (9.5)	.705 (17.9)
2000-6257	10.0-15.0	WR-75	No UG Designation	1.250 (31.8)	.359 (9.1)	.693 (17.6)
2000-6255	12.4-18.0	WR-62	UG-419/U	1.250 (31.8)	.297 (7.5)	.651 (16.5)
2000-6256	18.0-26.5	WR-42	UG-595/U	1.000 (25.4)	.312 (7.9)	.580 (14.7)

* Also available with choke flanges as part nos. 2000-6260 thru 2000-6268.
** Also available with "ARM" plug connector as part nos. 2001-6250 etc.

WAVEGUIDE TO AP 7mm COAXIAL ADAPTERS

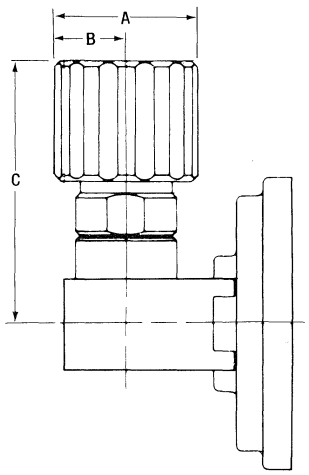
- FREQUENCY RANGE: 2.6 to 18.0 GHz
- CONNECTOR: PRECIFIX AA 7mm PRECISION*
- V.S.W.R. 1.1:1 TYPICAL, 1.25: 1 MAX.



These waveguide to 7mm precision coaxial adapters provide the solution to accurate test system requirements throughout x and Ku band frequencies.

Their superior performance and repeatability is made possible through the use of precision cast waveguide sections making them highly desirable for precise laboratory measurements.

* They are available with either the Precifix AA (as shown) or Precifix A precision 7mm connectors.



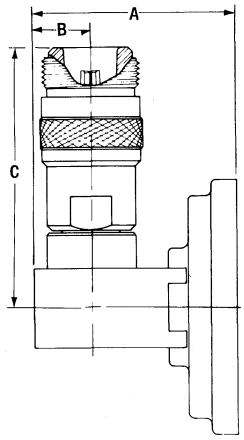
AMERICON PART NO.	FREQUENCY GHz	FITS WAVEGUIDE SIZE	WAVEGUIDE FLANGE TYPE **	DIM A ±.015 (0.38)	DIM B ±.015 (0.38)	DIM C ±.015 (0.38)
7000-6250	2.6-3.95	WR-284	UG-584/U	2.478 (62.9)	1.123 (28.5)	1.955 (49.7)
7000-6251	3.95-5.85	WR-187	UG-407/U	1.875 (47.6)	.719 (18.3)	1.702 (43.2)
7000-6252	5.85-8.2	WR-137	UG-441/U	1.500 (38.1)	.500 (12.7)	1.580 (40.1)
7000-6253	7.05-10.0	WR-112	UG-138/U	1.383 (35.1)	.375 (9.5)	1.514 (38.5)
7000-6258	7.0-11.0	WR-102	UG-1493/U	1.440 (36.6)	.490 (12.4)	1.520 (38.6)
7000-6254	8.2-12.4	WR-90	UG-135/U	1.281 (32.5)	.375 (9.5)	1.450 (36.8)
7000-6255	12.4-18.0	WR-62	UG-419/U	1.250 (31.8)	.297 (7.5)	1.400 (35.6)

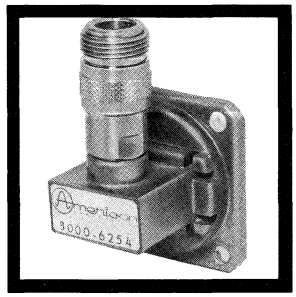
**Also available with choke flanges as part nos. 7000-6260 thru 7000-6268.

WAVEGUIDE TO AP N COAXIAL ADAPTERS

- **FREQUENCY RANGE: 2.6 to 18.0 GHz**
- **CONNECTOR: "N" TYPE JACK****
- **V.S.W.R. 1.1:1 TYPICAL, 1.25: 1 MAX.**

AMERICON PART NO.	FREQ. GHz	FITS WAVEGUIDE SIZE	WAVEGUIDE FLANGE TYPE	DIM A ±.015 (0.38)	DIM B ±.015 (0.38)	DIM C ±.015 (0.38)
3000-6250	2.6-3.95	WR-284	UG-584/U	2.478 (62.9)	1.123 (28.5)	2.173 (55.2)
3000-6251	3.95-5.85	WR-187	UG-407/U	1.875 (47.6)	.719 (18.3)	1.920 (48.8)
3000-6252	5.85-8.2	WR-137	UG-441/U	1.500 (38.1)	.500 (12.7)	1.798 (45.7)
3000-6253	7.05-10.0	WR-112	UG-138/U	1.383 (35.1)	.375 (9.5)	1.732 (44.0)
3000-6258	7.0-11.0	WR-102	UG-1493/U	1.440 (36.6)	.490 (12.4)	1.738 (44.1)
3000-6254	8.2-12.4	WR-90	UG-135/U	1.281 (32.5)	.375 (9.5)	1.668 (42.4)
3000-6255	12.4-18.0	WR-62	UG-419/U	1.250 (31.8)	.297 (7.5)	1.618 (41.1)



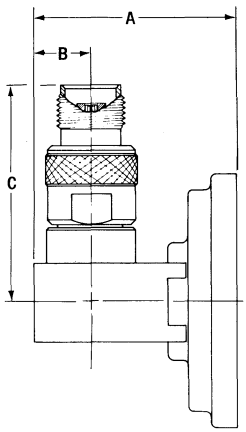


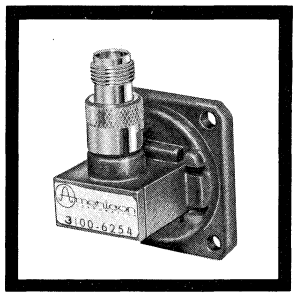
*Also available with choke flanges as part nos. 3000-6260 thru 3000-6268
**Also available with N type plug connector as part nos. 3001-6250 etc.

WAVEGUIDE TO AP TNC COAXIAL ADAPTERS

- **FREQUENCY RANGE: 2.6 to 18.0 GHz**
- **CONNECTOR "TNC" JACK****
- **V.S.W.R. 1.1:1 TYPICAL, 1.25: 1 MAX.**

AMERICON PART NO.	FREQ GHz	FITS WAVEGUIDE SIZE	WAVEGUIDE FLANGE TYPE	DIM A ±.015 (0.38)	DIM B ±.015 (0.38)	DIM C ±.015 (0.38)
3100-6250	2.6-3.95	WR-284	UG-584/U	2.478 (62.9)	1.123 (28.5)	1.934 (49.1)
3100-6251	3.95-5.85	WR-187	UG-407/U	1.875 (47.6)	.719 (18.3)	1.681 (42.7)
3100-6252	5.85-8.2	WR-137	UG-441/U	1.500 (38.1)	.500 (12.7)	1.559 (39.6)
3100-6253	7.05-10.0	WR-112	UG-138/U	1.383 (35.1)	.375 (9.5)	1.493 (37.9)
3100-6258	7.0-11.0	WR-102	UG-1493/U	1.440 (36.6)	.490 (12.4)	1.499 (38.1)
3100-6254	8.2-12.4	WR-90	UG-135/U	1.281 (32.5)	.375 (9.5)	1.429 (36.3)
3100-6255	12.4-18.0	WR-62	UG-419/U	1.250 (31.8)	.297 (7.5)	1.379 (35.0)



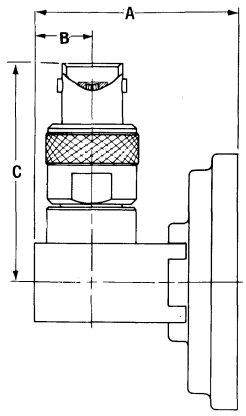


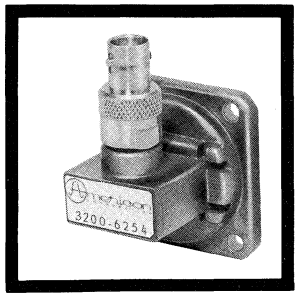
*Also available with choke flanges as part nos. 3100-6260 thru 3100-6268
**Also available with TNC type plug connector as part nos. 3101-6250 etc.

WAVEGUIDE TO AP BNC COAXIAL ADAPTERS

- **FREQUENCY RANGE: 2.6 to 18.0 GHz**
- **CONNECTOR "BNC" JACK****
- **V.S.W.R. 1.1:1 TYPICAL 1.25: MAX.**

AMERICON PART NO.	FREQ. GHz	FITS WAVEGUIDE SIZE	WAVEGUIDE FLANGE TYPE	DIM A ±.015 (0.38)	DIM B ±.015 (0.38)	DIM C ±.015 (0.38)
3200-6250	2.6-3.95	WR-284	UG-584/U	2.478 (62.9)	1.123 (28.5)	1.934 (49.1)
3200-6251	3.95-5.85	WR-187	UG-407/U	1.875 (47.6)	.719 (18.3)	1.681 (42.7)
3200-6252	5.85-8.2	WR-137	UG-441/U	1.500 (38.1)	.500 (12.7)	1.559 (39.6)
3200-6253	7.05-10.0	WR-112	UG-138/U	1.383 (35.1)	.375 (9.5)	1.493 (37.9)
3200-6258	7.0-11.0	WR-102	UG-1493/U	1.440 (36.6)	.490 (12.4)	1.499 (38.1)
3200-6254	8.2-12.4	WR-90	UG-135/U	1.281 (32.5)	.375 (9.5)	1.429 (36.3)
3200-6255	12.4-18.0	WR-62	UG-419/U	1.250 (31.8)	.297 (7.5)	1.379 (35.0)

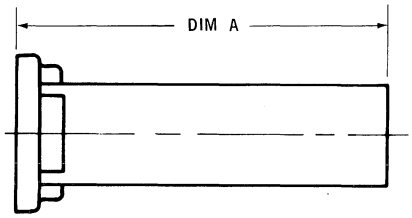




*Also available with choke flanges as part nos. 3200-6260 thru 3200-6268
**Also available with BNC type plug connector as part nos. 3201-6250 etc.

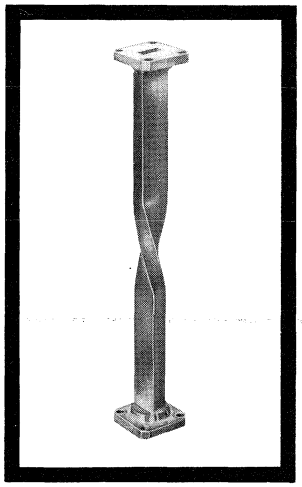
Waveguide Terminations

Americon's series of waveguide terminations are available in a broad frequency range to include most standard waveguide frequency bands. These terminations are precision 50 ohm devices with typical V.S.W.R. of 1.05:1.



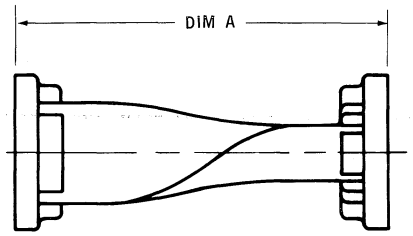
AMERICON PART NO.	FREQUENCY RANGE (GHz)	WAVEGUIDE TYPE	FLANGE TYPE	DIM A ± .050 (1.3)
9099-5102	2.6-3.95	WR-284	UG-584/U	10.093 (256.4)
9099-5103	3.95-5.85	WR-187	UG-407/U	6.625 (168.3)
9099-5104	5.85-8.2	WR-137	UG-441/U	8.062 (204.8)
9099-5105	7.05-10.0	WR-112	UG-138/U	5.584 (141.8)
9099-5005	7.0-11.0	WR-102	UG-1493/U	4.293 (109.0)
9099-5106	8.2-12.4	WR-90	UG-135/U	6.675 (169.5)
9099-5107	10.0-15.0	WR-75	No UG Designation	4.165 (105.8)
9099-5108	12.4-18.0	WR-62	UG-419/U	4.320 (109.7)
9099-5109	18.0-26.5	WR-42	UG-597/U	3.100 (78.7)

Waveguide Twists



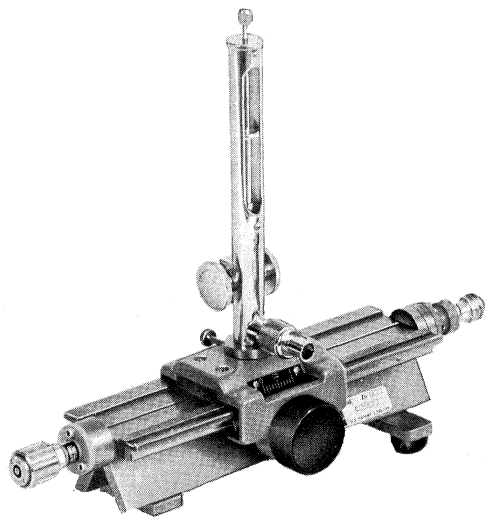
Americon waveguide twists provide flexibility in component mounting and testing.

In addition to the standard lengths shown, the twists are available in any reasonable length and twist configuration.



AMERICON PART NO.	FREQUENCY RANGE (GHz)	WAVEGUIDE TYPE	FLANGE TYPE	DIM A ± .050 (1.3)
9099-5110	2.6-3.95	WR-284	UG-584/U	12.00 (30.5)
9099-5111	3.95-5.85	WR-187	UG-407/U	8.00 (20.3)
9099-5112	5.85-8.2	WR-137	UG-441/U	6.00 (152.4)
9099-5113	7.05-10.0	WR-112	UG-138/U	
9099-5114	7.0-11.0	WR-102	UG-1493/U	
9099-5115	8.2-12.4	WR-90	UG-135/U	
9099-5116	10.0-15.0	WR-75	No UG Designation	
9099-5117	12.4-18.0	WR-62	UG-419/U	
9099-5118	18.0-26.5	WR-42	UG-597/U	

Precision 7mm Slotted Line



7000-6210
SLOTTED LINE

- **FREQUENCY RANGE: 1.2-18.0 GHz**
- **IMPEDANCE: 50.0 OHMS**
- **LINE SIZE: 7mm**
- **PROBE TRAVEL: 5.25 IN.**
- **RESIDUAL SWR: UNDER 1.005 TO 3 GHz**
  UNDER 1.008 TO 6 GHz
  UNDER 1.013 TO 11 GHz
  UNDER 1.025 TO 18 GHz

AMERICON PART NO.	OUTPUT CONNECTOR	INPUT CONNECTOR	OPTIONAL TUNEABLE PROBE
7000-6210	PRECIFIX AA	N JACK	**7000-6220**
7100-6210	PRECIFIX A	N JACK	**7000-6220**

OTHER OPTIONAL ACCESSORIES	MODEL
CONTROL PROBE CARRIAGE	**7000-5021**
DETECTOR-MIXER	**7000-5022**
STORAGE CASE	**7000-5023**

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I AM INTERESTED IN: Part Number_____ Quantity_____

☐ Delivery and Price Information
☐ Having a Sales Engineer call or visit
☐ Immediate need ☐ Future ☐ Reference only

MY FUNCTION IS: ☐ Standards Engineer ☐ Purchasing ☐ Design Engineer

NAME_____ TITLE_____

COMPANY_____

ADDRESS_____

CITY_____ STATE_____ ZIP_____

PHONE NO._____ EXTENSION_____

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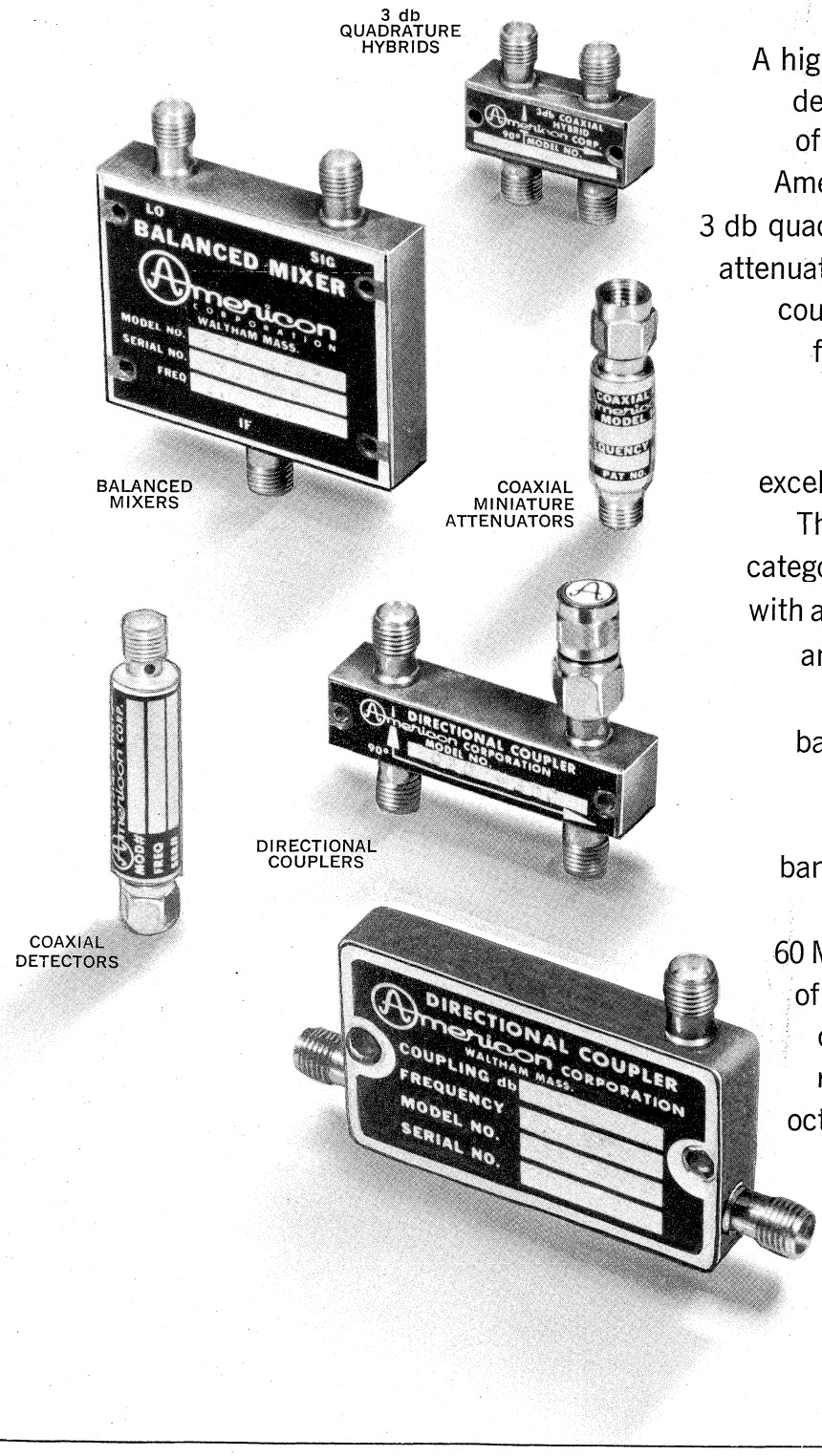
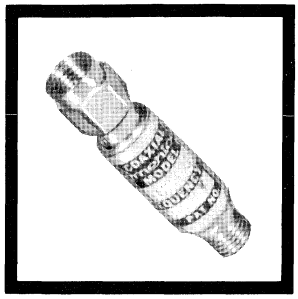
COMPONENTS FOR THE MICROWAVE SYSTEM



A high performance microwave system depends on the quality and integrity of the components that make it up. Americon offers a complete series of 3 db quadrature hybrids, coaxial miniature attenuators, balanced mixers, directional couplers and tunnel diode detectors from as low as 60 MHz to as high as 18 GHz. These units are ultra-compact, light in weight and offer excellent performance characteristics. The attenuators are available in two categories, DC-12.4 GHz and DC-18 GHz with attenuation levels of 3, 6, 10, 20, 30 and 40 db. The 3 db 90° quadrature hybrids are available in octave bandwidths from 60 MHz to 18 GHz. In addition, the externally loaded couplers are available in octave bandwidths from 250 MHz to 18 GHz with internally loaded types from 60 MHz to 18 GHz. A complete series of tunnel diode crystal detectors in octave and wide band frequency ranges together with a series of octave bandwidth balanced mixers complete this useful assortment of miniature coaxial microwave components.

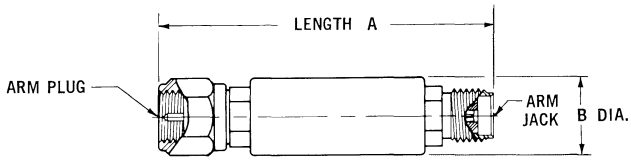
MICROWAVE COMPONENTS
Fixed Coaxial Attenuators



Americon's -6150 and -6160 series attenuators are designed for use in systems where small size, light weight, and extreme environmental requirements are critical factors.

They possess a high power capability of 2 watts average at room temperature (25°C) decreasing linearly to 1 watt at 75°C ambient and 0 watt at 125°C ambient. The peak power capability is 500 W.

SERIES	FREQUENCY RANGE
2082-6150	DC-12.4 GHz
2082-6160	DC-18.0 GHz



2082-6150 SERIES DC-12.4 GHz

PART NO.	ATTEN (db)	ACCURACY ±db	VSWR (MAX.)	POWER RATING (AVE.)	SIZE LENGTH A	SIZE DIA. B
2082-6151	3	±0.3	1.20 DC-4.0 GHz 1.30 4-10.0 GHz 1.35 10-12.4 GHz	2W	1.57 (39.9)	.36 (9.2)
2082-6152	6	±0.3		2W	1.57 (39.9)	.36 (9.2)
2082-6153	10	±0.5		2W	1.57 (39.9)	.36 (9.2)
2082-6154	20	±0.75		2W	1.57 (39.9)	.36 (9.2)
2082-6155	30	±1.00		2W	1.92 (48.8)	.36 (9.2)
2082-6156	40	±1.25		2W	1.92 (48.8)	.36 (9.2)

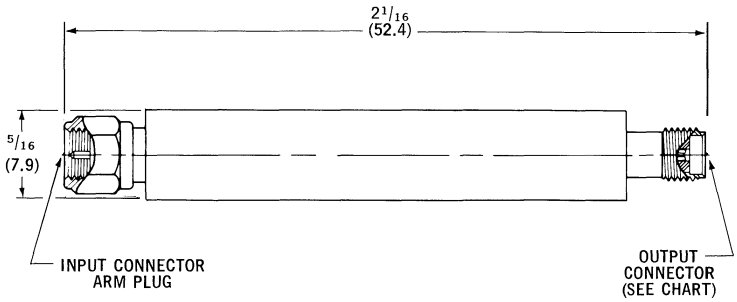
2082-6160 SERIES DC-18 GHz

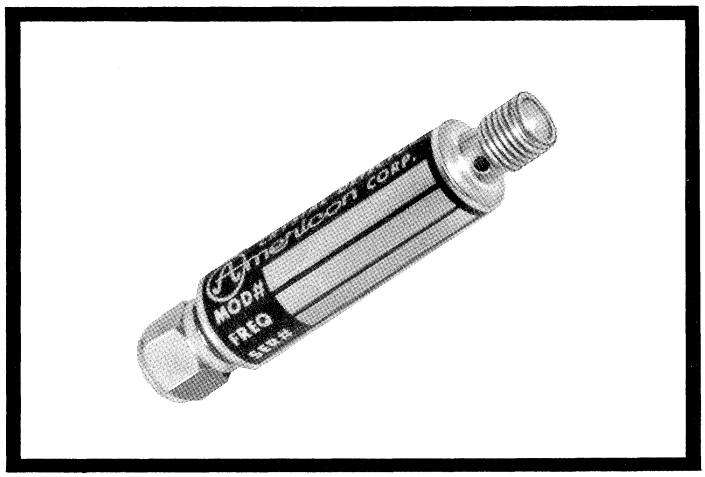
PART NO.	ATTEN (db)	ACCURACY ±db	VSWR (MAX.)	POWER RATING (AVE.)	SIZE LENGTH A	SIZE DIA. B
2082-6161	3	±0.5	1.20 DC-4.0 GHz 1.30 4-10.0 GHz 1.35 10-12.4 GHz 1.5 12.4-18 GHz	2W	1.57 (39.9)	.36 (9.2)
2082-6162	6	±0.5		2W	1.57 (39.9)	.36 (9.2)
2082-6163	10	±1.0		2W	1.57 (39.9)	.36 (9.2)
2082-6164	20	±1.25		2W	1.57 (39.9)	.36 (9.2)
2082-6165	30	±1.5		2W	1.92 (48.8)	.36 (9.2)
2082-6166	40	±1.5		2W	1.92 (48.8)	.36 (9.2)

MICROWAVE COMPONENTS
Coaxial Dectectors

- **FREQUENCY RANGE 1.0-18.0 GHz**
- **WIDE DYNAMIC RANGE**
- **HIGH FIGURE OF MERIT**
- **LOW I/F NOISE CORNER**
- **HIGH TANGENTIAL SENSITIVITY**
- **100 OHM DYNAMIC VIDIO RESISTANCE TYPICAL**

Americon's miniature coaxial detectors are designed for very compact applications where size and weight are important factors. These detectors are available in both wide band and octave bandwidth models and may be used to detect CW square wave, pulse, and frequency-modulated signals. They can also be used to monitor power level or modulation wave shape. They may be supplied with a field replacable tunnel diode. No bias is required to obtain the performance specified, however all standard models have a built in DC return.





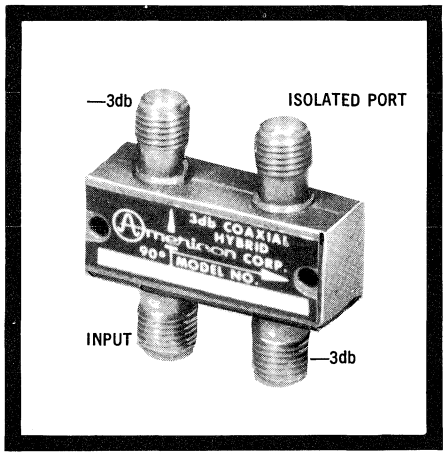
SINGLE UNIT									MATCHED PAIRS
PART NUMBER	FREQ GHz	INPUT CONNECTOR	OUTPUT CONNECTOR	CAP (CV) PF	MIN. SENSITIVITY mV/mW	FLATNESS	V.S.W.R. TYP/MAX.	TYPICAL TANGENTIAL SENSITIVITY (dbm)	PART NUMBER
2082-6350	1.0- 2.0	ARM PLUG	ARM JACK	50	1000	± .2	1.5/2.0	— 53	**2082-6358**
2082-6351	1.0- 2.0	ARM PLUG	ARSM JACK	50	1000	± .2	1.5/2.0	— 53	**2082-6359**
2082-6352	2.0- 4.0	ARM PLUG	ARM JACK	25	1000	± .2	1.5/2.0	— 52	**2082-6360**
2082-6353	2.0- 4.0	ARM PLUG	ARSM JACK	25	1000	± .2	1.5/2.0	— 52	**2082-6361**
2082-6354	4.0- 8.0	ARM PLUG	ARM JACK	15	700	± .4	1.7/2.5	— 51	**2082-6362**
2082-6355	4.0- 8.0	ARM PLUG	ARSM JACK	15	700	± .4	1.7/2.5	— 51	**2082-6363**
2082-6356	8.0-12.4	ARM PLUG	ARM JACK	15	700	± .4	1.7/2.5	— 51	**2082-6364**
2082-6357	8.0-12.4	ARM PLUG	ARSM JACK	15	700	± .4	1.7/2.5	— 51	**2082-6365**
2082-6366	12.4-18.0	ARM PLUG	ARM JACK	7	400	± .5	2.0/2.5	— 49	**2082-6372**
2082-6367	12.4-18.0	ARM PLUG	ARSM JACK	7	400	± .5	2.0/2.5	— 49	**2082-6373**
2082-6368	1.0-12.0	ARM PLUG	ARM JACK	25	500	± 1.5	2.5/4.0	— 51	**2082-6374**
2082-6369	1.0-12.0	ARM PLUG	ARSM JACK	25	500	± 1.5	2.5/4.0	— 51	**2082-6375**
2082-6370	2.0-18.0	ARM PLUG	ARM JACK	15	400	± 1.5	3.0/4.0	— 49	**2082-6376**
2082-6371	2.0-18.0	ARM PLUG	ARSM JACK	15	400	± 1.5	3.0/4.0	— 49	**2082-6377**

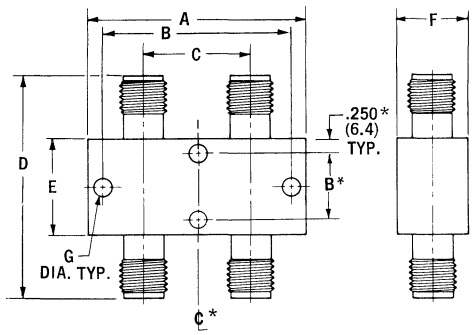
MICROWAVE COMPONENTS
3 db Coaxial Hybrids

Americon miniature 3db hybrid (90°) coupler series 2020-6360 are the ultimate in compact, rugged components. They are particularly useful where reliable performance at extreme environments are an important factor.

90° QUADRATURE PHASE

- INSERTION LOSS .25db MAX
- FREQUENCY RANGE .06 to 18 GHz
- DEVIATION FROM MEAN OUTPUT ±0.5db
- OCTAVE BANDWIDTHS
- COUPLING 3 $\pm^{\text{LOSS}}_{0}$ db
- ARM CONNECTOR PORTS
- TEMPERATURE RANGE —52° to 95° C
- ENVIRONMENT PER MIL-E-5400 CLASS 3





PART NO.	FREQUENCY RANGE (GHz)	ISOLATION db (MINIMUM)	VSWR (MAIN LINE)	POWER RATING (AVERAGE)	SIZE IN. (mm) A	B	C	D	E	F	G
2020-6360 *	.06 - .125	25	1.2	100W	3.0 (76.2)	1¾ * (44.5)	2⅛ (54.0)	3.0 (76.2)	2¼ (57.2)	½ (12.7)	⅛ (3.2)
2020-6361 *	.125- .250	25	1.2								
2020-6362 *	.250- .5	25	1.2		1.650 (41.9)	1⅛ * (28.6)	1.0 (25.4)	2.33 (59.1)	1.625 (41.3)		
2020-6363 *	.5 - 1.0	25	1.2								
2020-6364	1.0 - 2.0	22	1.20		2 35/64 (64.8)	2 25/64 (60.8)	1 31/32 (50.1)	1 5/32 (29)	27/64 (10.7)	3/8 (9.5)	3/32 (2.36)
2020-6365	2.0 - 4.0	20	1.25		1 11/16 (42.7)	1 33/64 (38.7)	1 3/32 (28)				
2020-6366	2.6 - 5.2	18	1.25		1 13/32 (35.6)	1¼ (31.5)	13/16 (20.8)				
2020-6367	4.0 - 8.0	18	1.25		1⅛ (28.6)	31/32 (24.7)	35/64 (14)				
2020-6368 * *	8.0 -12.4	15	1.30		1 5/64 (27.4)	59/64 (23.4)	½ (12.7)	1 9/32 (32.6)	35/64 (13.9)		
2020-6369 * *	12.4 -18.0	15	1.35								

* This dimension applies only to part numbers 2020-6360 thru 2020-6363.

* * 2020-6368 and 2020-6369 have an insertion loss of .4 and .5 db respectively.

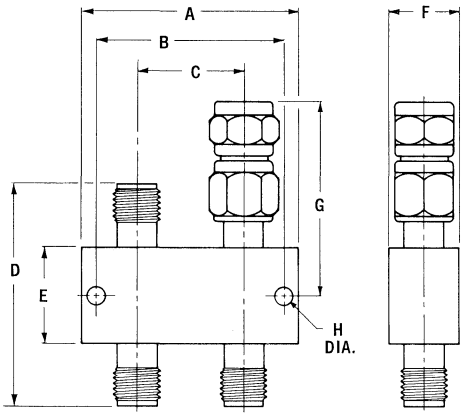
Units are also available from .225 to .400 GHz.

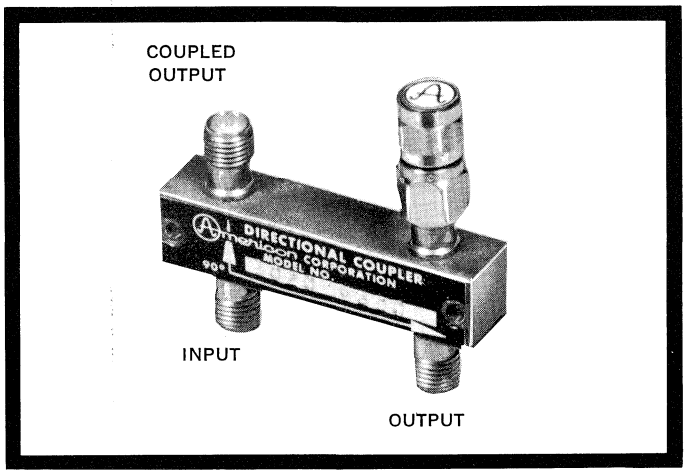
MICROWAVE COMPONENTS
Coaxial Directional Couplers

EXTERNALLY LOADED

- **FREQUENCY RANGE .25 — 18 GHz**
- **OCTAVE BANDWIDTHS**
- **POWER: 100W (in terminated conditions)**
- **ARM CONNECTOR PORTS**
- **ENVIRONMENT PER MIL-E-5400 CLASS 3**
- **TEMPERATURE RANGE —52° to +95° C**

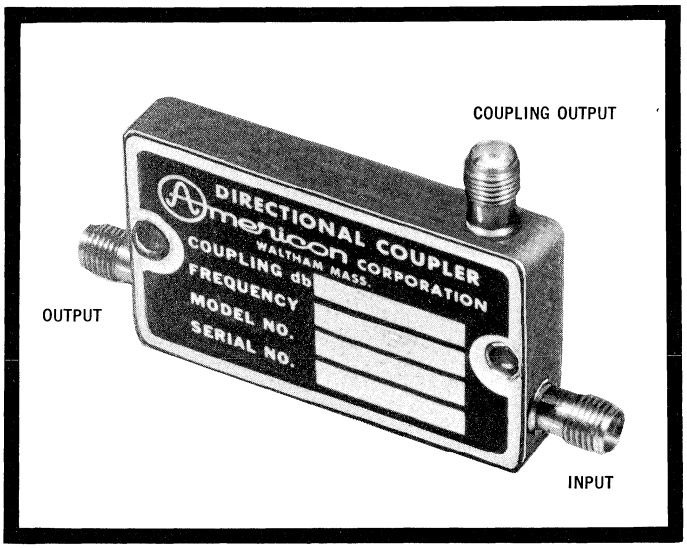
Americon series 2020-6370, -6380 and -6390 miniature coaxial directional couplers are a compact series of four port externally terminated packages that are useful in miniaturizing microwave systems without the sacrifice of electrical, mechanical or environmental performance.



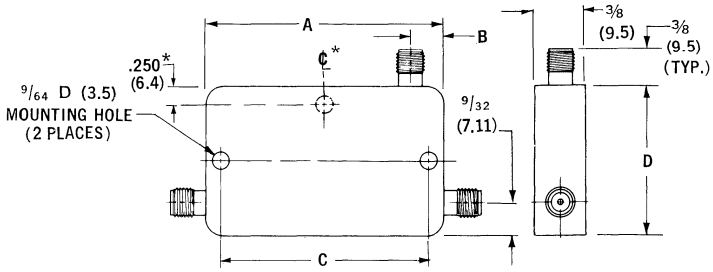


PART NO.	FREQUENCY RANGE (GHz)	MEAN COUPLING 5 (db)	DEVIATION FROM MEAN OUTPUT (db)	DIRECTIVITY (db)	VSWR (MAIN LINE)	SIZE IN. (mm) A	B	C	D	E	F	G	H
2020-6378	.25 - .5	6	±0.5	20	1.15								
2020-6379	.25 - .5	10	±0.75	20	1.15	5 37/64 (141)	5 27/64 (137)	5 (127)	1 23/64 (34.4)	45/64 (17.7)		1 3/16 (30.2)	
2020-6380	.25 - .5	20	±1.0	20	1.15								
2020-6381	.25 - .5	30	±1.0	20	1.15								
2020-6382	.5 - 1.0	6	±0.5	20	1.15								
2020-6383	.5 - 1.0	10	±0.75	20	1.15	3 19/64 (83.5)	3 1/8 (79.5)	2 23/32 (68.8)					
2020-6384	.5 - 1.0	20	±1.0	20	1.15								
2020-6385	.5 - 1.0	30	±1.0	20	1.15								
2020-6386	1.0 - 2.0	6	±0.5	20	1.2								
2020-6387	1.0 - 2.0	10	±0.75	20	1.2	2 35/64 (64.8)	2 25/64 (60.8)	1 31/32 (50.1)	1 5/32 (29.4)	27/64 (10.7)	.375 (9.5)	1.093 (27.8)	.093 (2.36)
2020-6388	1.0 - 2.0	20	±1.0	20	1.2								
2020-6389	1.0 - 2.0	30	±1.0	20	1.2								
2020-6390	2.0 - 4.0	6	±0.5	20	1.25	1 11/16 (42.7)	1 33/64 (38.7)	1 3/32 (28)					
2020-6391	2.0 - 4.0	10	±0.6	20	1.25								
2020-6392	2.6 - 5.2	6	±0.6	15	1.25	1 13/32 (35.6)	1 1/4 (31.5)	13/16 (20.8)					
2020-6393	2.6 - 5.2	10	±0.6	15	1.25								
2020-6394	4.0 - 8.0	6	±0.6	15	1.25	1 3/16 (30)	1 1/64 (26)	39/64 (15.3)					
2020-6395	4.0 - 8.0	10	±0.6	15	1.25								
2020-6396	8.0 -12.4	6	±0.5	15	1.30								
2020-6397	8.0 -12.4	10	±0.6	15	1.30	1 5/64 (27.4)	59/64 (23.4)	1/2 (12.7)	1 9/32 (32.6)	35/64 (13.9)		1 9/64 (29.0)	
2020-6398	12.4 -18.0	6	±0.5	14	1.5								
2020-6399	12.4 -18.0	10	±0.6	14	1.5								

MICROWAVE COMPONENTS
Coaxial Directional Couplers



Americon series 2020-6400 coaxial directional couplers are the ultimate in miniature, high performance couplers. They are made to withstand extreme environmental conditions when used in a system or the daily abuse of a laboratory for measurement set ups.



INTERNALLY LOADED

- **FREQUENCY RANGE .0625-18.0 GHz**
- **COUPLING VARIATION ±0.75db .0625-8.0 GHz (MAX) 0.5db 7.0-18.0 GHz**
- **OCTAVE BANDWIDTHS**

PART NUMBER	FREQUENCY RANGE (GHz)	COUPLING MEAN ±5db	COUPLING DEVIATION ±db	DIRECTIVITY (MINIMUM)	V.S.W.R. (MAIN LINE)	MAIN LINE POWER (MAX) AVE. W	MAIN LINE POWER (MAX) PEAK KW	IN. (mm) A	IN. (mm) B	IN. (mm) C	IN. (mm) D
2020-6400	0.0625- 0.125	10		20	1.10			8.1 (205.7)		7 19/32 (192.9)	
2020-6401	0.0625- 0.125	20		20	1.10						
2020-6402	0.0625- 0.125	30		20	1.10						1.4 (35.6)
2020-6403	0.125 - 0.250	10		20	1.10			4.9 (124.5)		4 13/32 (111.9)	
2020-6404	0.125 - 0.250	20		20	1.10						
2020-6405	0.125 - 0.250	30		20	1.10						
2020-6406	0.25 - 0.50	10		20	1.10			6.0 (152.4)		5 1/2 (139.7)	
2020-6407	0.25 - 0.50	20		20	1.10						
2020-6408	0.25 - 0.50	30		20	1.10				1/2 (12.7)		1.2 (30.5)
2020-6409	0.5 - 1.0	10		20	1.15			3.7 (94.0)		3 3/32 (78.6)	
2020-6410	0.5 - 1.0	20		20	1.15						
2020-6411	0.5 - 1.0	30	0.75	20	1.15						
2020-6412	1.0 - 2.0	10		20	1.20			2.5 (63.5)		2 1/4 (57.2)	1.0 (25.4)
2020-6413	1.0 - 2.0	20		20	1.20						
2020-6414	1.0 - 2.0	30		20	1.20						
2020-6415	2.0 - 4.0	10		20	1.25						
2020-6416	2.0 - 4.0	20		20	1.20	100	5	2 7/16 (62)		2 5/32 (54.6)	
2020-6417	2.0 - 4.0	30		20	1.20						
2020-6418	2.6 - 5.2	10		18	1.25			2 (50.8)	9/32 (7.2)	1 3/4 (44.5)	
2020-6419	2.6 - 5.2	20		20	1.20						
2020-6420	2.6 - 5.2	30		20	1.20			2 7/16 (62)	1/2 (12.7)	2 5/32 (54.6)	
2020-6421	4.0 - 8.0	10		18	1.25			2 (50.8)	9/32 (7.2)	1 3/4 (44.5)	
2020-6422	4.0 - 8.0	20		15	1.25						
2020-6423	4.0 - 8.0	30		15	1.25			2 7/16 (62)	1/2 (12.7)	2 5/32 (54.6)	1 1/4 (31.8)
2020-6424	7.0 -11.0	10		15	1.5						
2020-6425	7.0 -11.0	20		15	1.5						
2020-6426	7.0 -11.0	30		15	1.5						
2020-6427	8.0 -12.4	10		15	1.5						
2020-6428	8.0 -12.4	20	0.5	15	1.5			2 (50.8)	9/32 (7.2)	1 3/4 (44.5)	
2020-6429	8.0 -12.4	30		15	1.5						
2020-6430	12.4 -18.0	10		12	1.6						
2020-6431	12.4 -18.0	20		12	1.6						
2020-6432	12.4 -18.0	30		12	1.6						

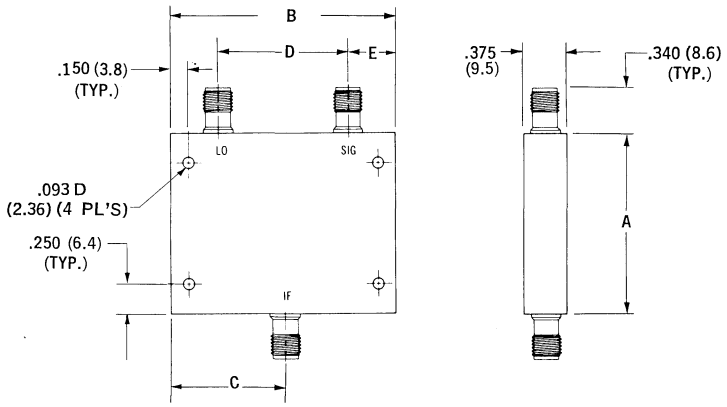
Units are also available from .225 to .400 GHz.

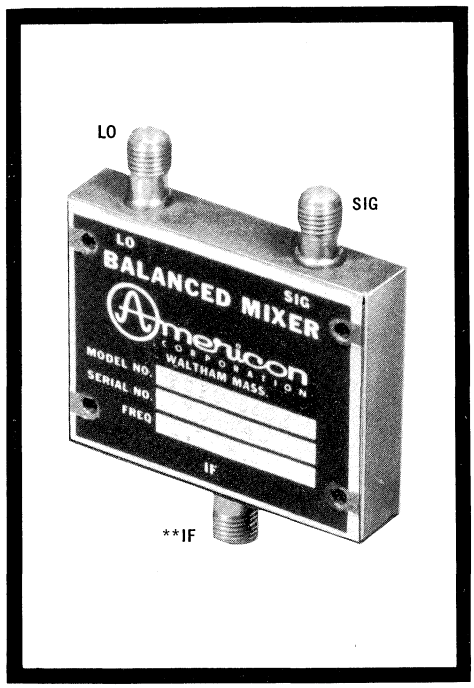
* This dimension applies only to part numbers 2020-6400 thru 2020-6411.

MICROWAVE COMPONENTS
Balanced Mixers

- **OCTAVE BANDWIDTHS**
- **TEMP. RANGE —40°C to +65°C**
- **WIDEBAND IF OUTPUT**
- **LO DRIVE 3-10 mW**
- **LOW INPUT VSWR**
- **ARM CONNECTOR PORTS**

Americon series 2020-6500 miniature coaxial balanced mixers have been designed through the use of the latest techniques available allowing small size and light weight while maintaining excellent electrical performance over octave bandwidths. Their superior design includes the use of a 3db hybrid and two hot carrier diodes providing excellent input impedance match and a wideband IF output.





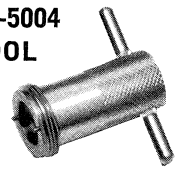
PART NO.	FREQUENCY GHz	ISOLATION db MIN	VSWR MAX	CONVERSION LOSS db MAX	NOISE FIGURE db MAX*	IF BAND WIDTH DC- MHz	IN. (mm) A	B	C	D	E
2020-6500	0.5- 1.0	15	2.5	7.5	8.5	150	2.25 (57.2)	3.00 (76.2)	1.50 (38.1)	1.80 (45.7)	.60 (15.2)
2020-6501	1.0- 2.0	15	2.5	7.5	8.5	250	2.20 (55.1)	1.875 (47.6)	.938 (23.8)	1.075 (27.3)	.40 (10.2)
2020-6502	2.0- 4.0	15	2.5	7.5	8.5	250					
2020-6503	4.0- 8.0	15	3.0	8.0	9.0	250					
2020-6504	8.0-12.4	12	3.0	8.0	9.0	250					
2020-6505	12.4-18.0	12	3.5	8.0	9.0	250					

*Noise figure measured with an IF Amplifier having a 1.5db Residual Noise Figure in a Single Side Band System.
** Suffix the part number with —30 for optional solder lug on IF output.

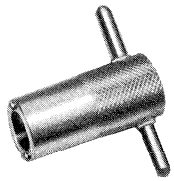
7098-5001
7mm TOOL KIT

The **7098-5001** tool kit has all the tools necessary to properly maintain your PRECIFIX A & PRECIFIX AA connectors. However each individual tool may be ordered separately if so desired by the following part numbers.

7098-5004
TOOL



7098-5006
JEWEL SCREW DRIVER



7098-5003
TOOL

7098-5005
OPEN END WRENCH
1/2 INCH (12.7) — 9/16 INCH (14.3)

2098-5060
CRIMP TOOL KIT

A complete tool kit is available allowing quick and efficient assembly of the ARM crimp type connectors. The kit includes replaceable dies for crimping all of the flexible cable types shown in this catalog. The tool and/or the dies are also available separately.

AMERICON PART NO.	DIE NO.	FOR USE WITH RG/U CABLE
2098-5062	00	174, 179, 187, 188, 316
2098-5063	03	180, 195, SURPRENANT 9872, AMPHENOL 21-597
2098-5068	08	55, 58, 141, 142, 223, 303
2098-5071	11	59
2098-5079	19	178, 196

ASSEMBLY TOOLS

THE EASY AND ECONOMICAL WAY TO SOLDER FASTER THAN IRON OR TORCH

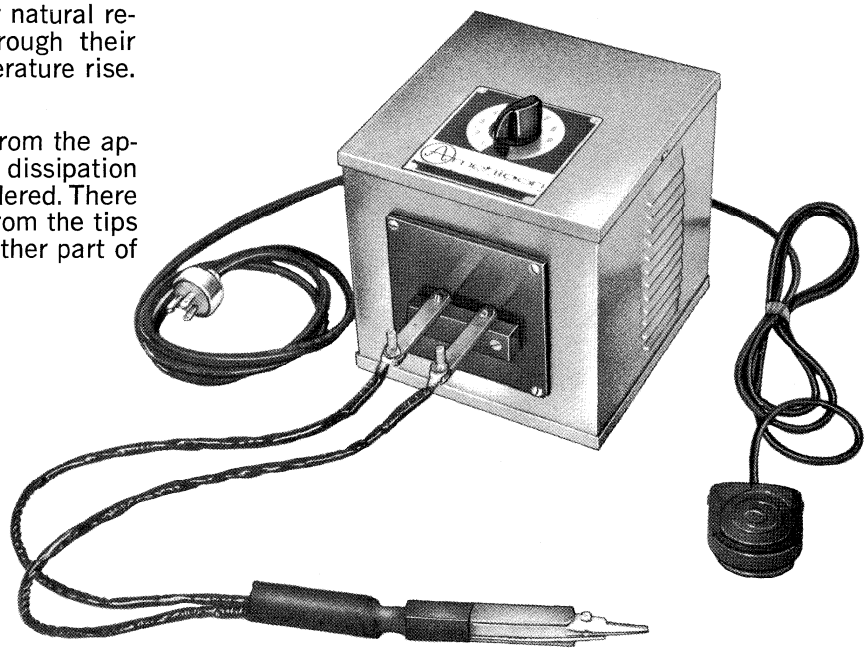
2098-5080 is a resistance soldering machine where the metals to be soldered are held between a pair of soldering tweezers. When the foot switch is depressed and current is applied to the metals, they experience controlled heating. When the foot switch is released, the heating cycle ceases. The metals become hot from within because of their natural resistance to current that is passing through their mass, providing a more consistent temperature rise.

The tweezers are not heated directly from the application of current, but only through dissipation from the already heated metals being soldered. There is never any danger of electrical shock from the tips of either the soldering tweezers or any other part of this machine.

The 2098-5080 operates with an output of up to 250 watts.

Also available is the 2098-5280 resistance soldering machine, a smaller and less costly version of the 2098-5080 model, and used specifically for smaller applications. It operates with an output of up to 200 watts and comes equipped with .040 diameter soldering tips.

NOTE: Unit is supplied with $1/16''$ diameter soldering tips. Larger diameter tips may be supplied on special request.

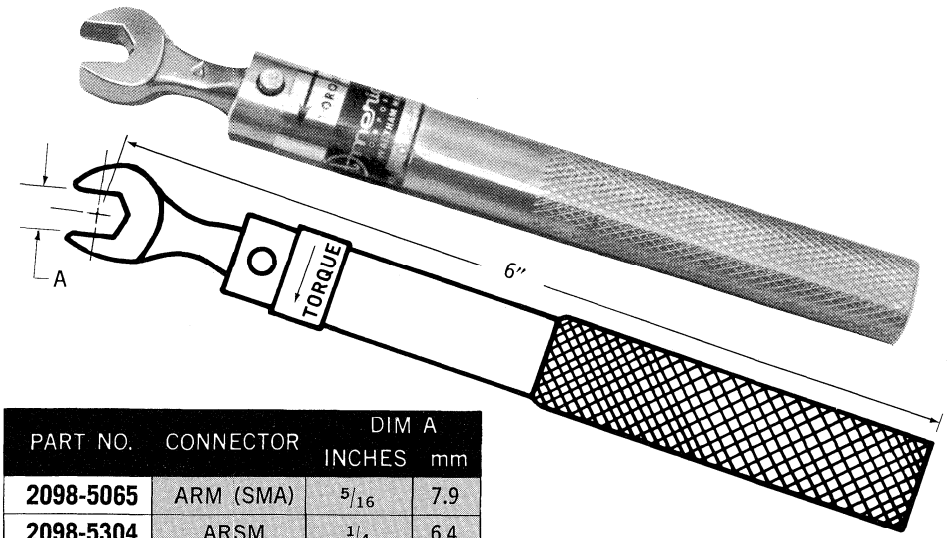


2098-5065
TORQUE WRENCH

The **2098-5065** torque wrench is a pre-set tool designed specifically to tighten the ARM(SMA) coupling nut within the required torque of 7 to 10 inch-pounds set by MIL-C-39012 for SMA connectors.

Also available is a torque wrench designed for the ARSM sub-miniature connector as part number **2098-5304.**

This same torque wrench may be used for the SMC subminiature connector per MIL-C-39012.

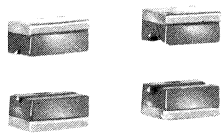


PART NO.	CONNECTOR	DIM A INCHES	DIM A mm
2098-5065	ARM (SMA)	5/16	7.9
2098-5304	ARSM	1/4	6.4
2098-5304	SMC	1/4	6.4

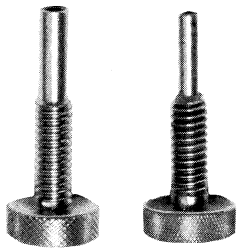
Americon

2098-5066 ASSEMBLY TOOL SET

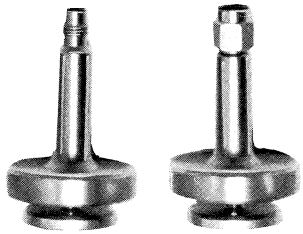
Americon assembly tool set 2098-5066 contains all the necessary tools to properly assemble ARM semi-rigid and flexible cable connectors. For a complete listing of all tools available in tool set 2098-5066 refer to chart below. Also available in this chart are smaller sets for individual use. All tools may also be ordered separately.



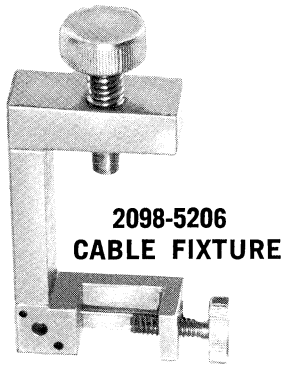
2098-5207 2098-5208 INSERTS (PAIRS)



2098-5209 2098-5210 LOCATOR TOOLS



2098-5214 2098-5215 DIELECTRIC INSERT TOOLS



2098-5206 CABLE FIXTURE

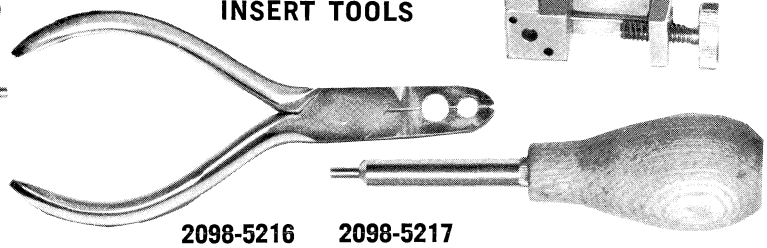
2098-5218 2098-5213 LOCATOR TOOLS

2098-5211 2098-5212 SOLDER GAUGES

2098-5201 (OPTIONAL) CENTER CONDUCTOR TAPER TOOL

2098-5221 CENTER CONTACT HOLDER

2098-5200 FACE OFF TOOL (OPTIONAL)



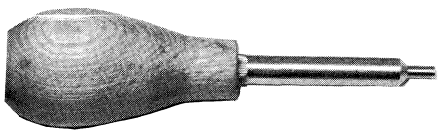
2098-5216 LOCKING RING PLIERS

2098-5217 DIELECTRIC RECESS TOOL

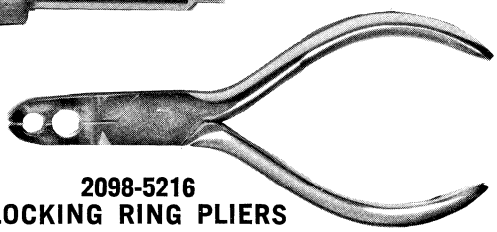
PART NUMBER	DESCRIPTION	TOOL SETS		
		2098-5066	2098-5064	2098-5067
2098-5206	CABLE FIXTURE	●	●	
2098-5207	INSERTS (PAIR) FOR .141 D. SEMI-RIGID CABLE	●	●	
2098-5208	INSERTS (PAIR) FOR .085 D. SEMI-RIGID CABLE	●	●	
2098-5209	LOCATOR TOOL	●	●	
2098-5210	LOCATOR TOOL	●	●	
2098-5211	SOLDER GAUGE FOR .018 (.45mm) GAP	●	●	
2098-5212	SOLDER GAUGE FOR .015 (.38mm) GAP	●	●	●
2098-5213	LOCATOR TOOL	●		●
2098-5214	DIELECTRIC INSERT TOOL	●	●	
2098-5215	DIELECTRIC INSERT TOOL	●	●	
2098-5216	LOCKING RING PLIERS	●	●	
2098-5217	DIELECTRIC RECESS TOOL	●	●	
2098-5218	LOCATOR TOOL	●	●	●
2098-5221	CENTER CONTACT HOLDER	●	●	●
2098-5200	FACE OFF TOOL	OPTIONAL TOOLS		
2098-5201	CENTER CONDUCTOR TAPER TOOL			
2098-5219	LOCATOR TOOL SIMILAR TO 2098-5209 BUT FOR HIGH VOLTAGE CONNECTORS			
2098-5220	LOCATOR TOOL SIMILAR TO 2098-5210 BUT FOR HIGH VOLTAGE CONNECTORS			

CABLE ASSEMBLY TOOLS

Americon cable assembly tool set 2098-5270 contains all tools necessary to assemble most ARSM (sub-miniature) cable connectors for semi-rigid and flexible cables. For a complete listing of all tools available in this tool set refer to chart below. Also available in this chart are smaller sets for individual use. All tools may also be ordered separately.

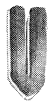


2098-5235
DIELECTRIC RECESS TOOL



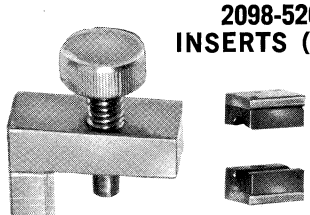
2098-5216
LOCKING RING PLIERS

2098-5237
CENTER CONTACT HOLDER



2098-5212
SOLDER GAUGE

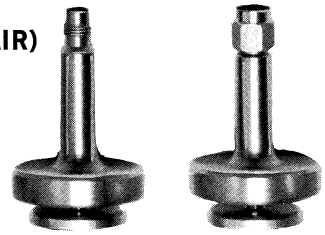
2098-5208
INSERTS (PAIR)



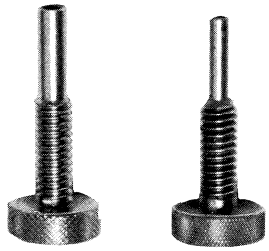
2098-5206
CABLE FIXTURE

2098-5236
LOCATOR TOOL

2098-5238
LOCATOR TOOL



2098-5234 **2098-5233**
DIELECTRIC INSERT TOOLS



2098-5231 **2098-5232**
LOCATOR TOOLS

PART NUMBER	DESCRIPTION	TOOL SETS		
		2098-5270	2098-5271	2098-5272
2098-5206	CABLE FIXTURE	●	●	
2098-5208	INSERTS (PAIR) FOR .085 D. SEMI-RIGID CABLE	●	●	
2098-5212	SOLDER GAUGE FOR .015 (.38mm) GAP	●	●	
2098-5216	LOCKING RING PLIERS	●	●	
2098-5231	LOCATOR TOOL	●	●	
2098-5232	LOCATOR TOOL	●	●	
2098-5233	DIELECTRIC INSERT TOOL	●	●	
2098-5234	DIELECTRIC INSERT TOOL	●	●	
2098-5235	DIELECTRIC RECESS TOOL	●	●	
2098-5236	LOCATOR TOOL	●	●	●
2098-5237	CENTER CONTACT HOLDER	●	●	●
2098-5238	LOCATOR TOOL	●		●

2098-5273 TOOL SET FOR "N" TYPE CABLE CONNECTORS

PART NUMBER	DESCRIPTION
2098-5206	CABLE FIXTURE
2098-5207	INSERTS (PAIR) FOR .141 D. SEMI-RIGID CABLE
2098-5212	SOLDER GAUGE FOR .015 (.38mm) GAP
2098-5275	LOCATOR TOOL
2098-5276	LOCATOR TOOL
2098-5277	CENTER CONTACT HOLDER
2098-5278	DIELECTRIC INSERT TOOL

2098-5274 TOOL SET FOR TNC AND BNC CABLE CONNECTORS

PART NUMBER	DESCRIPTION
2098-5206	CABLE FIXTURE
2098-5207	INSERTS (PAIR) FOR .141 D. SEMI-RIGID CABLE
2098-5279	CENTER CONTACT HOLDER
2098-5281	SOLDER GAUGE
2098-5282	LOCATOR TOOL
2098-5283	LOCATOR TOOL

*For plug type and choke flange waveguide adapter part numbers see page 132.

CROSS REFERENCE INDEX

*For plug type and choke flange waveguide adapter part numbers see page 133.

*For plug type and choke flange waveguide adapter part numbers see page 133.

**For choke flange waveguide adapter part numbers see page 88.

CROSS REFERENCE INDEX

*For choke flange waveguide adapter part numbers see page 132

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Scottsdale, Arizona 85252
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Canada
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Arneson Associates
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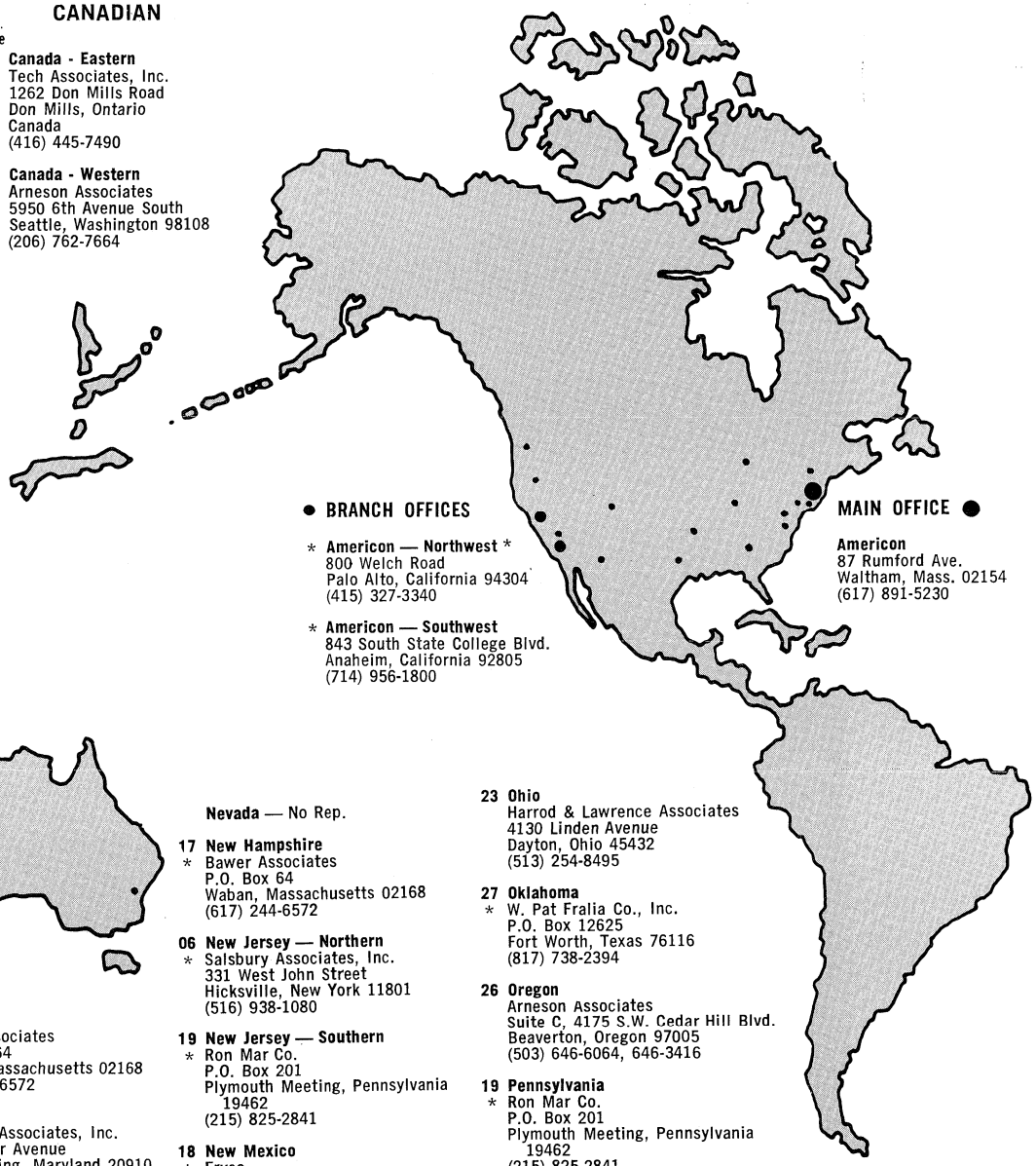
Seattle, Washington 98108
(206) 762-7664



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Palo Alto, California 94304
(415) 327-3340

* **Americon — Southwest**
843 South State College Blvd.
Anaheim, California 92805
(714) 956-1800

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(206) 762-7664

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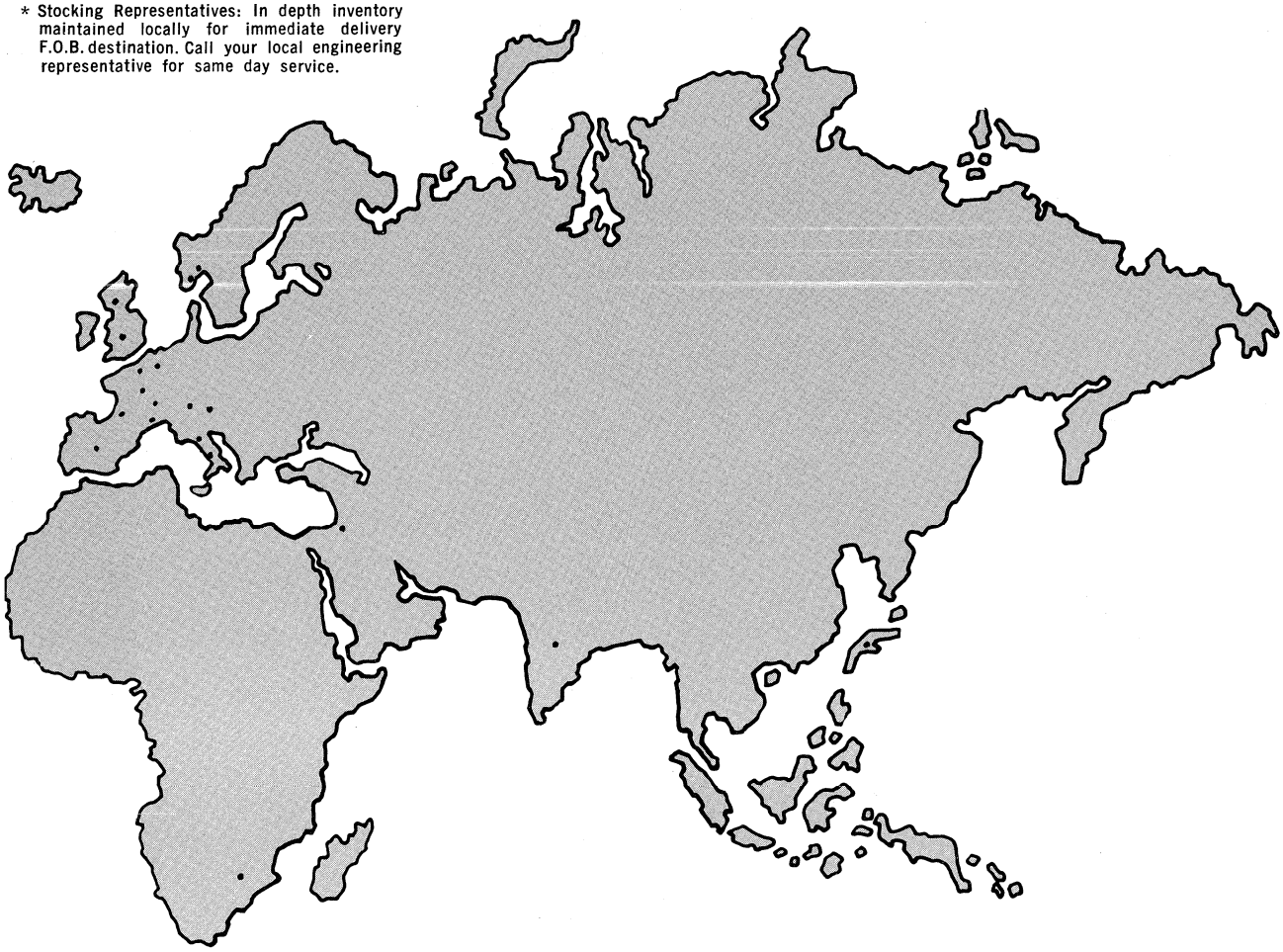

OVERSEAS

ep.
ode

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10, Rue de L'Egalité
Brussels 4, Belgium
Tel: (02) 49.38.16

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Scherfigsvej 1
2100 Copenhagen
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Telex: 2771

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66 Tilehurst Road
Reading, Berkshire
Tel: Kirkliston 277/278
Telex: 847003

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Cite Des Bruyeres
Rue Carle-Vernet
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Telex: Protec 25997

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Tel: 48-85-66

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35 Germany, Munich
* Tek-Elec Airtronic G.M.B.H.
170 Heinrich Wieland Strasse
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* Tek-Elec Airtronic
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92 87 67

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52 Nachlat Benyamin Street
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52-61-847

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41 Switzerland, Zurich
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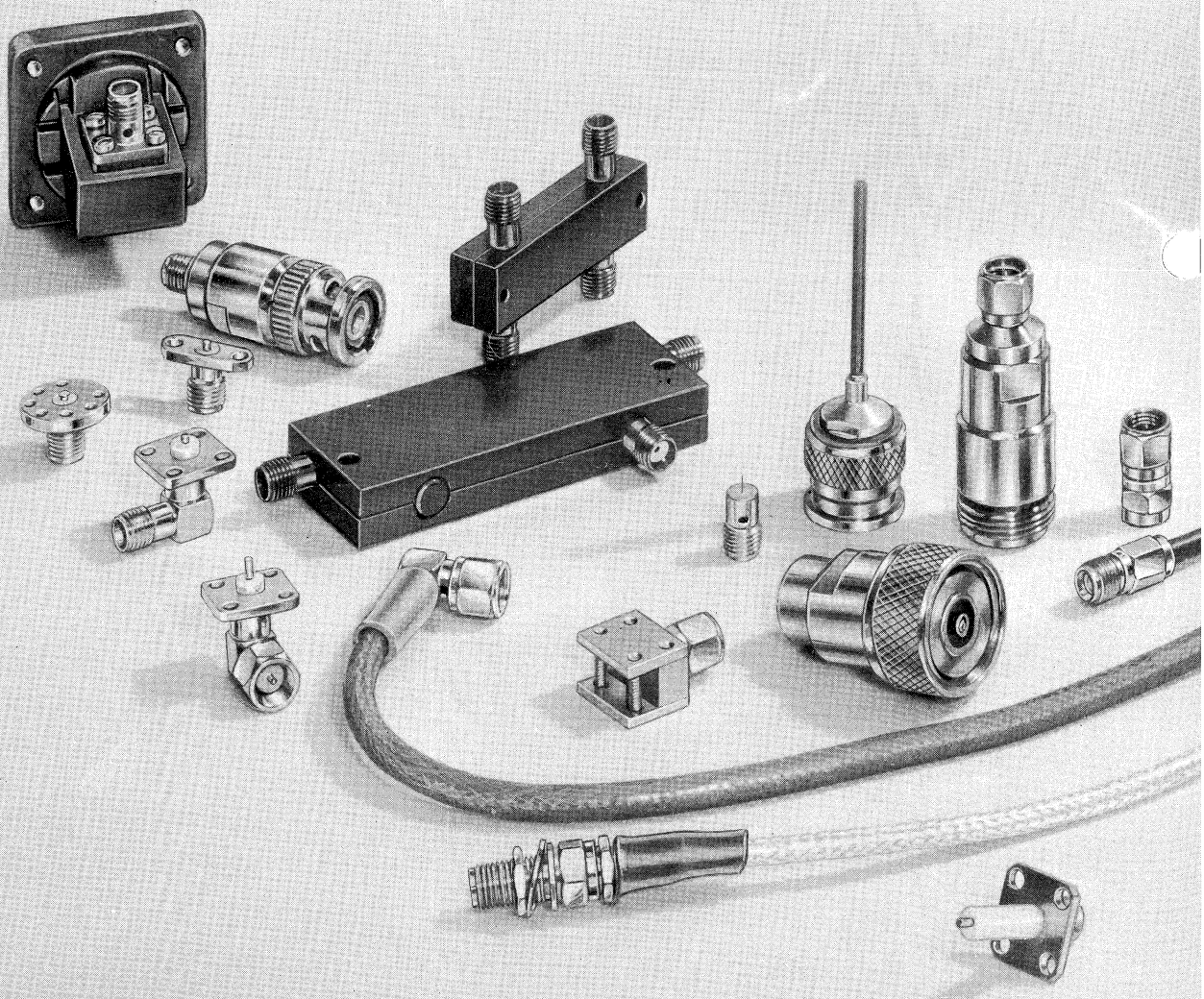

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