INCH-POUND

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SUPERSEDING
MIL-STD-348B
w/CHANGE 3
22 January 2017

DEPARTMENT OF DEFENSE

INTERFACE STANDARD

RADIO FREQUENCY CONNECTOR INTERFACES FOR

MIL-DTL-3643, MIL-DTL-3650, MIL-DTL-3655, MIL-DTL-25516, MIL-PRF-31031, MIL-PRF-39012, MIL-PRF-49142, MIL-PRF-55339, MIL-DTL-83517

AMSC N/A FSC 5935

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FORWARD

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1. SCOPE

1.1 Scope. This standard specifies the dimensional requirements for radio frequency connector interfaces referenced in MIL-DTL-3643, MIL-DTL-3650, MIL-STD-3655, MIL-DTL-25516, MIL-PRF-31031, MIL-PRF-39012, MIL-PRF-49142, MIL-PRF-55339 and MIL-DTL-83517.

1.2 Purpose. The purpose of this standard is to standardize Radio Frequency connector interfaces and to ensure the inclusion of essential design requirements.

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this standard. This section does not include documents cited in other sections of this standard or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements of documents cited in sections 3 and 4 of this standard, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards and handbooks. The following specifications, standards and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

DEPARTMENT OF DEFENSE SPECIFICATIONS

MIL-DTL-3643	-	Connectors, Coaxial, Radio Frequency, Series HN, and Associated Fittings, General Specification For
MIL-DTL-3650	-	Connectors, Coaxial, Radio Frequency, Series LC
MIL-DTL-3655	-	Connector, Plug and Receptacle, Electrical (Coaxial, Series Twin), and Associated Fittings, General Specification For
MIL-DTL-3655/13	-	Connector, Receptacle, Electrical, Class I (Coaxial, Series Twin, TWTNC, Jam Nut Mounted)
MIL-DTL-3655/14	-	Connector, Plug, Electrical, Class I (Coaxial, Series Twin, TWTNC)
MIL-DTL-3655/15	-	Connector, Plug, Electrical, Class I (Coaxial, Series Twin, TWBNC)
MIL-DTL-3655/16	-	Connector, Receptacle, Electrical, Class I (Coaxial, Series Twin, TWBNC)
MIL-DTL-3655/17	-	Connector, Plug, Electrical, Class I (Coaxial, Series Twin, TWTNC, Right Angle)
MIL-DTL-25516	-	Connectors, Electrical, Miniature, Coaxial, Environment Resistant Type, General Specification For
MIL-PRF-31031	-	Connectors, Electrical, Plugs and Receptacles, Coaxial, Radio Frequency, High Reliability, For Flexible and Semirigid Cables, General Specification For

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MIL-PRF-39012	-	Connectors, Coaxial, Radio Frequency, General Specification For
MIL-PRF-39012/1	-	Connectors, Plug, Electrical, Coaxial, Radio Frequency, (Series N (Cabled), Pin Contact, Class 2)
MIL-PRF-39012/2	-	Connectors, Plugs and Receptacles, Electrical, Coaxial, Radio Frequency, (Series N (Cabled), Flange Mounted, Socket Contact, Class 2)
MIL-PRF-39012/6	-	Connectors, Plug, Electrical, Coaxial, Radio Frequency, (Series C, (Cabled), Male, Class 2)
MIL-PRF-39012/7	-	Connectors, Plug, Electrical, Coaxial, Radio Frequency, (Series C, (Cabled), Male, Class 2)
MIL-PRF-39012/16	-	Connectors, Plugs, Electrical, Coaxial Radio Frequency, (Series BNC (Cabled), Pin Contact, Class 2)
MIL-PRF-39012/17	-	Connectors, Plugs, Electrical, Coaxial, Radio Frequency, (Series BNC, (Cabled), Socket Contact, Class 2)
MIL-PRF-39012/26	-	Connectors, Plugs, Electrical, Coaxial Radio Frequency, (Series TNC (Cabled), Pin Contact, Class 2)
MIL-PRF-39012/28	-	Connectors, Receptacles, Electrical, Coaxial, Radio Frequency, (Series TNC, (Cabled), Socket Contact, Jam Nut Mounted, Class 2)
MIL-PRF-39012/40	-	Connectors, Receptacle, Electrical, Coaxial, Radio Frequency (Series SC (Cabled), Socket Contact, Jam Nut, Rear Mounted, Class 2)
MIL-PRF-39012/67	-	Connectors, Plugs, Electrical, Coaxial, Radio Frequency, Series SMB (Cabled, Socket Contact, Class 2)
MIL-PRF-39012/68	-	Connectors, Plugs, Electrical, Coaxial, Radio Frequency, Series SMB (Cabled, Pin Contact, Class 2)
MIL-PRF-39012/73	-	Connectors, Plugs, Electrical, Coaxial, Radio Frequency, Series SMC (Cabled, Socket Contact, Class 2)
MIL-PRF-39012/74	-	Connectors, Plugs, Electrical, Coaxial, Radio Frequency, Series SMC (Cabled, Pin Contact, Class 2)
MIL-PRF-39012/92	-	Connectors, Plug, Electrical, Coaxial, Radio Frequency, Series SMA (Cabled, Class 2, Without Contact, .141 Semirigid Cable)
MIL-PRF-39012/100	-	Connectors, Plug, Electrical, Coaxial, Radio Frequency, High Voltage (Series MHV (Cabled), Pin Contact, Class 2)
MIL-PRF-49142	-	Connector, Triaxial, Radio Frequency, General Specification For

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MIL-PRF-55339	-	Adapters, Connectors, Coaxial, Radio Frequency,(Between Series and Within Series), General Specification For
MIL-DTL-83517	-	Connector, Coaxial, Radio Frequency For Coaxial, Strip or Microstrip Transmission Line, General Specification For

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MIL-STD-1373	-	Screw-Thread, Modified, 60 Degree Stub, Double.

(Copies of these documents are available online at https://quicksearch.dla.mil/.)

2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. DEFINITIONS

3.1 Acquisition Management Systems Control (AMSC) Number. A control number assigned by the cognizant data management approval authority listed in SD-1, which indicates that a data item description (DID) or a defense specification or standard that cites DIDs has been cleared for use by the DoD.

3.2 Acquisition Streamlining and Standardization Information System (ASSIST). The official database containing information about standardization documents used in the DoD. ASSIST also provides electronic access to government documents included in the database over the Internet. ASSIST can be accessed at https://quicksearch.dla.mil/.

3.3 Department of Defense (DoD) Standard. A standard used to satisfy primarily multiple, military-unique applications. There are five types of DoD standards: interface standards, design criteria standards, manufacturing process standards, standard practices, and test method standards.

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3.4 Inch-pound document. A document having measurement requirements given in rounded, rational, inch-pound units. The magnitudes are meaningful and practical (for example, 1 ounce, not 28.3495 grams). Inch-pound documents are developed for items to interface or operate with other inch-pound items. NOTE: Documents in which magnitudes expressed in metric units (as a result of mathematical conversion from rounded, rational, inch-pound units) are given first as preferred units with the rounded, rational inch-pound units given in parentheses or in a non-preferred position are still inch-pound documents.

3.5 Interface standard. A standard that specifies the physical, functional, or military operational environment interface characteristics of systems, subsystems, equipment, assemblies, components, items, or parts to permit interchangeability, interconnection, interoperability, compatibility, or communications.

4. GENERAL REQUIREMENTS. The interfaces specified herein shall work in conjunction with the following associated defense specifications to achieve the specified performance required.

MIL-DTL-3643, MIL-DTL-3650, MIL-DTL-3655, MIL-DTL-26616, MIL-PRF-31031, MIL-PRF-39012, MIL-PRF-49142, MIL-PRF-55339, MIL-DTL-83517 and MIL-STD-1373.

5. REQUIREMENTS

5.1 Gauge tests. Applicable gauge tests shall be as specified in the associated connector specification sheet.

5.2 Marking. Not applicable.

5.3 Drawing notes. Unless otherwise specified, the following information is applicable to all figures of this defense standard.

a. Dimensions are in inches unless a specific metric interface is specified.

b. Metric equivalents are given for information only.

c. All undimensioned, pictorial configurations are for reference purposes only.

d. Applicable to section 400 only. The construction, material, and finish of the standard socket connector shall result in satisfactory electrical and mechanical performance and provide the following minimum life cycles when mated with the same series pin standard test connector.

Series	Life cycles
C, N, SC, TNC	10,000
BNC	5,000
SMA, SMB, SMC	2,000

e. Applicable to section 400 only. Dimensions shown are for the standard test connector only.

5.4 Change effectivity. Unless otherwise specified in the interface figure, all changes from the preceding issue of MIL-STD-348 will become effective 12 months from the date of this standard.

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5.5 Disposition of stock. Unless otherwise specified in the interface figure, qualified manufacturers and their selling agents or distributors may ship from stock connectors which were manufactured in accordance with the preceding issue of MIL-STD-348 for a period of 30 months from the date of this standard.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. This standard is intended for use by all manufacturers of connectors and components utilizing connector interfaces. The interfaces detailed within this document have been coordinated and accepted by all military services and are deemed United States standards for radio frequency connector interfaces.

6.2 Acquisition requirements. Acquisition documents should specify the following:
a. Title, number, and date of this specification.

6.3 Patent notice. The Government has a royalty-free license under the following listed patents for the benefit of manufacturers of the item either for the Government or for use in equipment to be delivered to the Government. U.S. patent number 4,426,127 applies to the series BMA, 4,358,174 applies to series BMB interfaces.

U.S. patent number 4,426,127

U.S. patent number 4,358,174

6.4 Subject term (key word) listing.

RF
Interconnection device

6.5 Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the previous issue.

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SECTION 100

Interface Dimensions for MIL-DTL-3655

Section 101	Series TWTNC
Section 102	Series TWBNC
Section 103	Series TWSMC
Section 104	Series TWSMB

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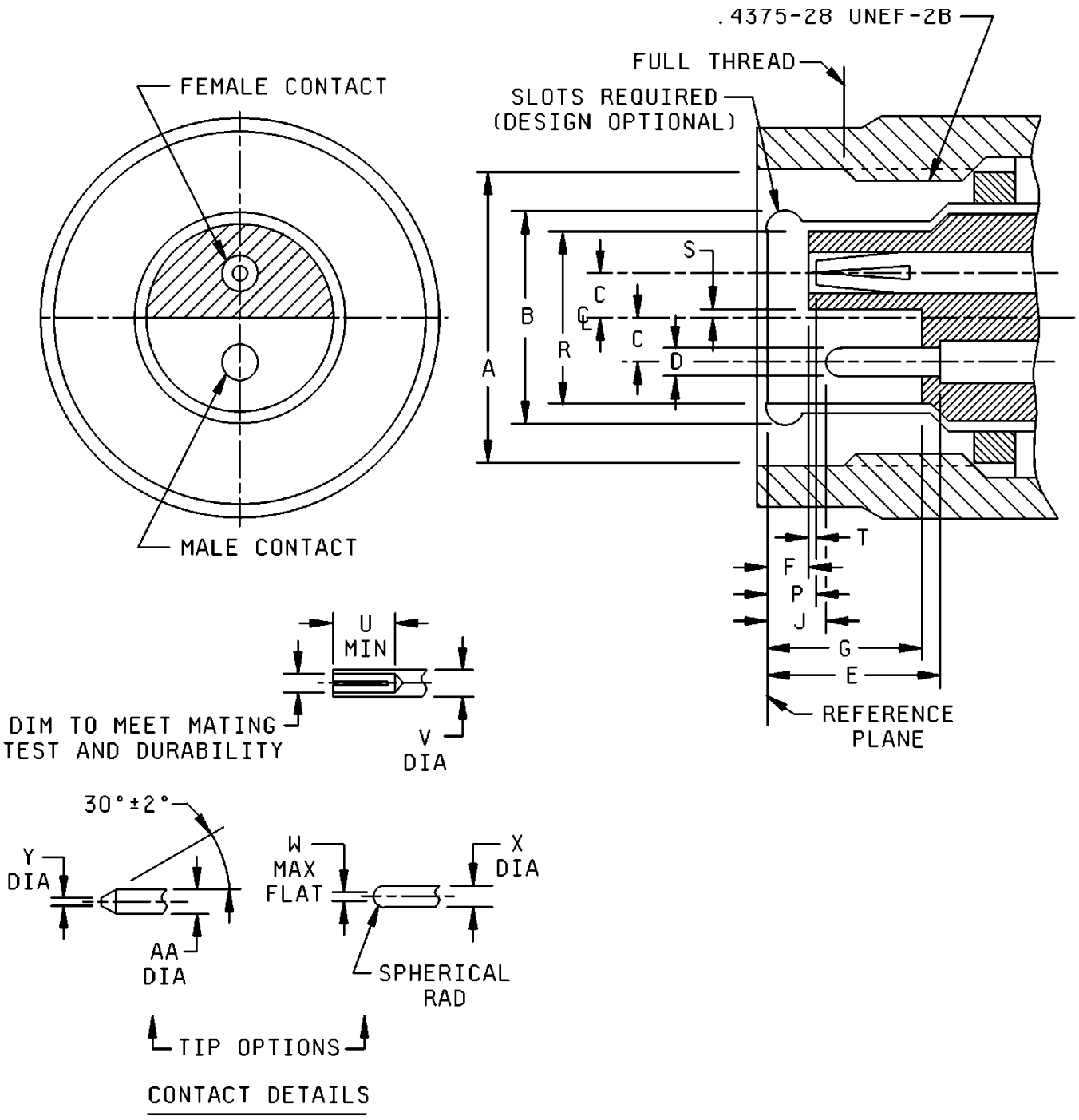


FIGURE 101-1. Interface, series TWTNC, coupling nut.

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Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	.440 (11.18)	---------
B	Mating test	
C	.062 (1.57)	.064 (1.63)
D	.037 (0.94)	.039 (0.99)
E	.228 (5.79)	.260 (6.60)
F	.028 (0.71)	.042 (1.07)
G	.206 (5.23)	.228 (5.79)
J	.035 (0.89)	.065 (1.65)
P	.032 (0.81)	.062 (1.57)
R	.264 (6.71)	---------
S	.001 (0.03)	.004 (0.10)
T	.000 (0.00)	---------
U	.180 (4.57)	---------
V	.061 (1.55)	.064 (1.63)
W	----------	.015 (0.38)
X	.037 (0.94)	.039 (0.99)
Y	.010 (0.25)	.015 (0.38)
AA	.037 (0.94)	.039 (0.99)

NOTES:
1. Three holes equally spaced, .027 (0.69 mm) minimum diameter for safety wiring. Location on coupling nut optional.
2. This interface shall meet the gauge requirements as specified in MIL-DTL-3655/14.
3. Dimensions are in inches.
4. Metric equivalents are for information only.

FIGURE 101-1. Interface, series TWTNC, coupling nut – Continued.

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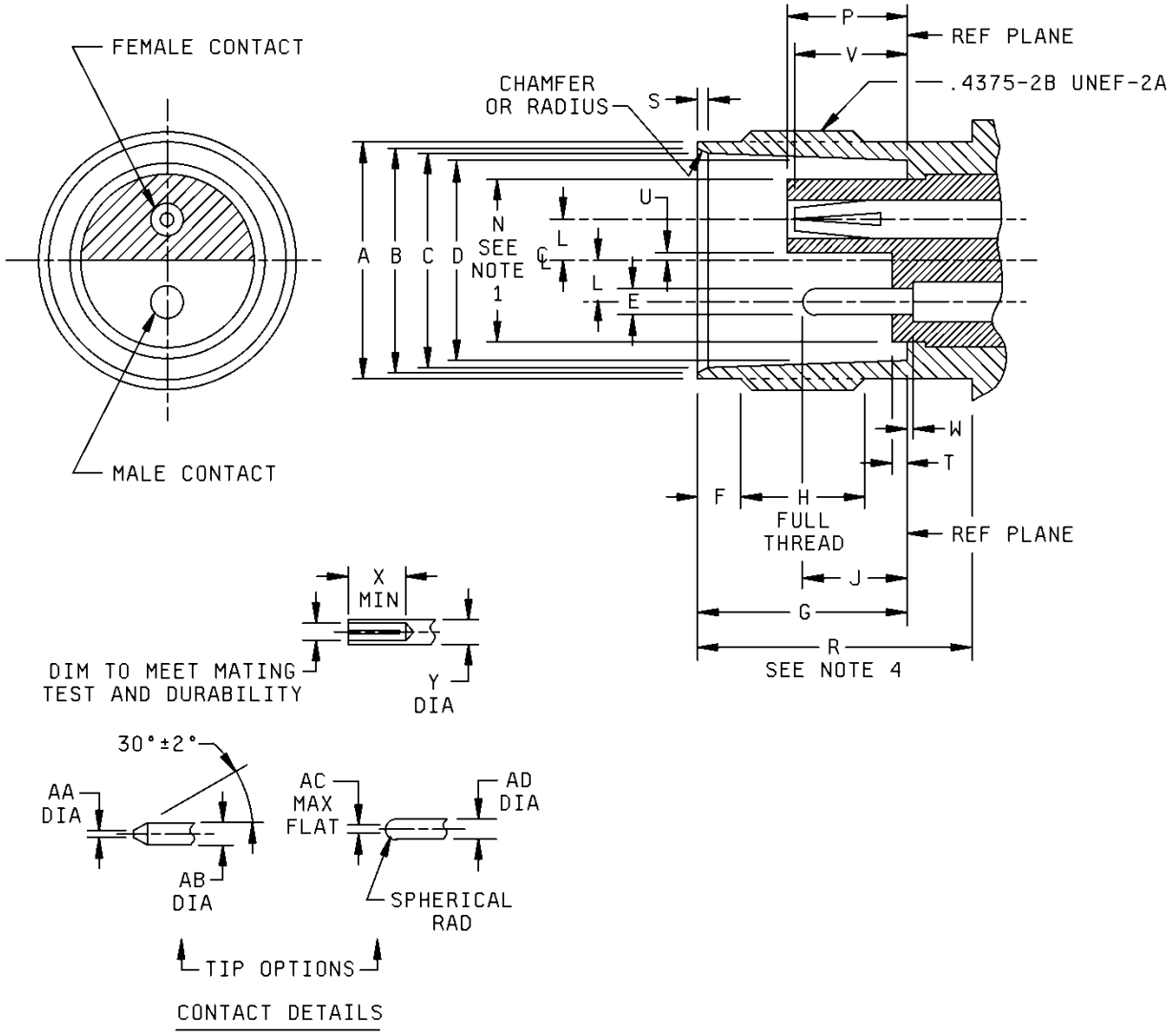


FIGURE 101-2. Interface, series TWTNC, no coupling nut.

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Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	.378 (9.60)	.381 (9.68)
B	.345 (8.76)	.356 (9.04)
C	.327 (8.31)	.336 (8.53)
D	.319 (8.10)	.321 (8.15)
E	.037 (0.94)	.039 (0.99)
F	.068 (1.73)	.088 (2.24)
G	.329 (8.36)	.333 (8.46)
H	.187 (4.75)	----------
J	.171 (4.34)	.200 (5.08)
L	.062 (1.57)	.064 (1.63)
N	--------	.262 (6.65)
P	.188 (4.78)	.206 (5.23)
R	.415 (10.54)	--------
S	.015 (0.38)	.030 (0.76)
T	.000 (0.00)	.028 (0.71)
U	.001 (0.03)	.004 (0.10)
V	.170 (4.32)	.200 (5.08)
W	.000 (0.00)	.040 (1.02)
X	.180 (4.57)	---------
Y	.061 (1.55)	.064 (1.63)
AA	.010 (0.25)	.015 (0.38)
AB	.037 (0.94)	.039 (0.99)
AC	---------	.015 (0.38)
AD	.037 (0.94)	.039 (0.99)

NOTES:
1. N dimension applies to portion of dielectric protruding beyond reference plane.
2. Contacts, insulator, and mounting flat shall be oriented within ±3° of orientation shown.
3. This interface shall meet the gauge requirements as specified in MIL-DTL-3655/13.
4. Clearance for mating connector coupling nut.
5. Dimensions are in inches.
6. Metric equivalents are for information only.

FIGURE 101-2. Interface, series TWTNC, no coupling nut – Continued.

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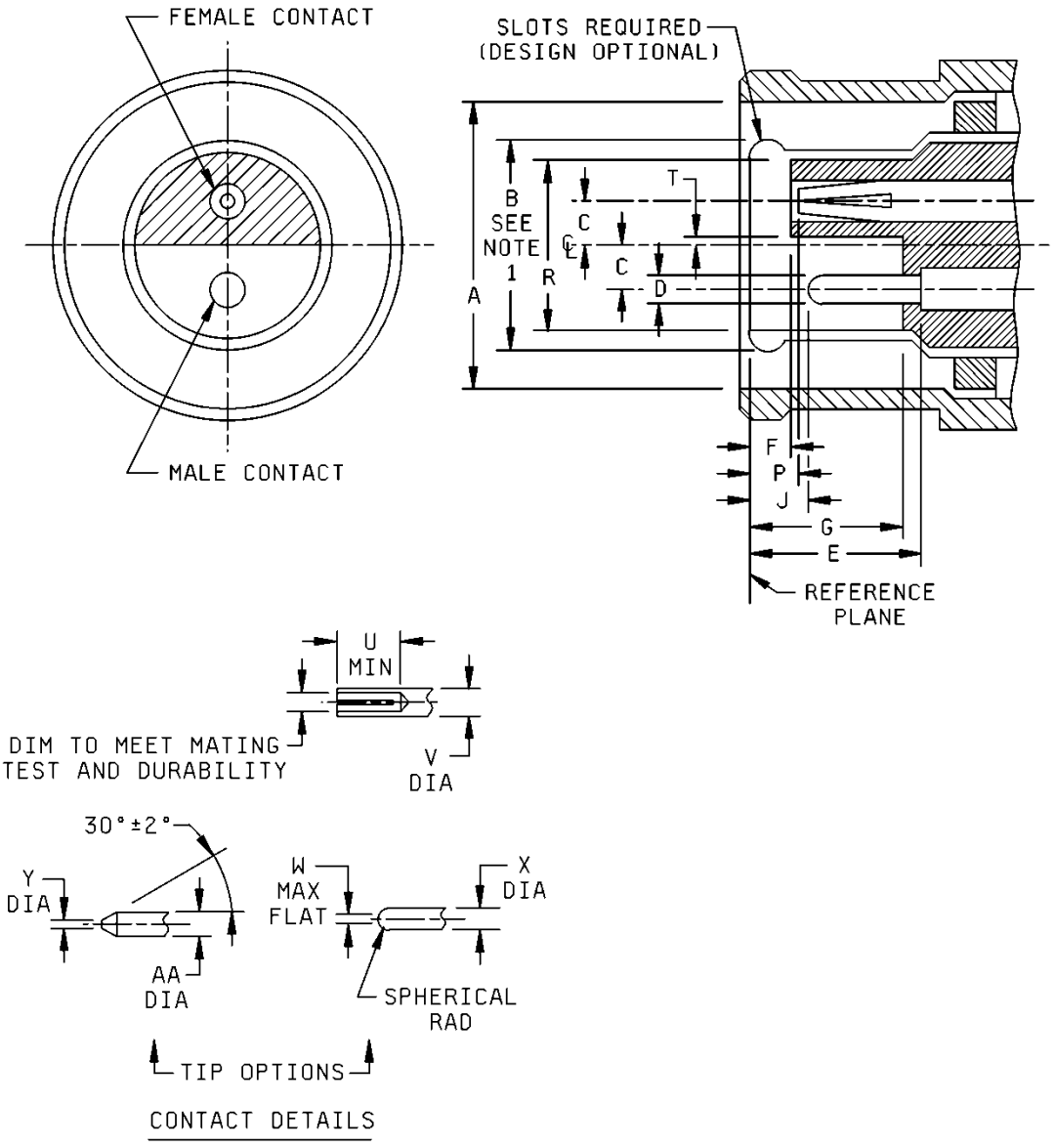


FIGURE 102-1. Interface, series TWBNC, with coupling nut.

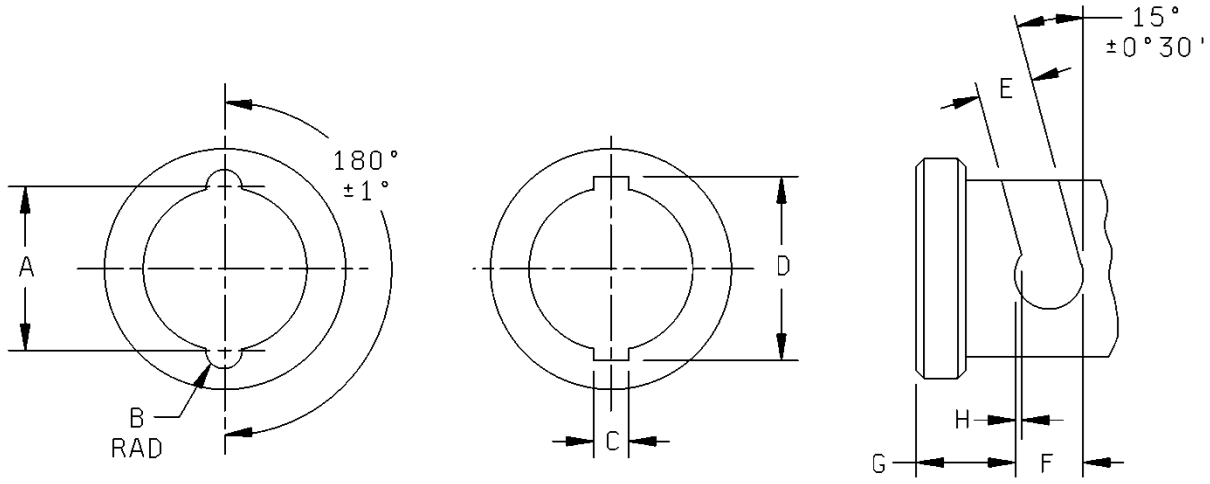
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	.385 (9.78)	.390 (9.91)
B	Mating test	
C	.062 (1.57)	.064 (1.63)
D	.037 (0.94)	.039 (0.99)
E	.228 (5.79)	.260 (6.60)
F	.028 (0.71)	.042 (1.07)
G	.206 (5.23)	.228 (5.79)
J	.035 (0.89)	.065 (1.65)
P	.032 (0.81)	.062 (1.57)
R	.264 (6.71)	---------
T	.001 (0.03)	.004 (0.10)
U	.180 (4.57)	---------
V	.061 (1.55)	.064 (1.63)
W	--------	.015 (0.38)
X	.037 (0.94)	.039 (0.99)
Y	.010 (0.25)	.015 (0.38)
AA	.037 (0.94)	.039 (0.99)

NOTES:
1. Flare to meet gauge test.
2. This interface shall meet the gauge requirements as specified in MIL-DTL-3655/15.
3. Dimensions are in inches.
4. Metric equivalents are for information only.

FIGURE 102-1. Interface, series TWBNC, with coupling nut – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Alternate design

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	.394 (10.01)	.400 (10.16)
B	.045 (1.14)	.049 (1.24)
C	.091 (2.31)	.097 (2.46)
D	.463 (11.76)	.473 (12.01)
E	.091 (2.31)	.097 (2.46)
F	.124 (3.15)	---------
G	.180 (4.57)	.184 (4.67)
H	.018 (0.46)	.022 (0.56)

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are for information only.

FIGURE 102-2. Interface, series TWBNC, coupling nut.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

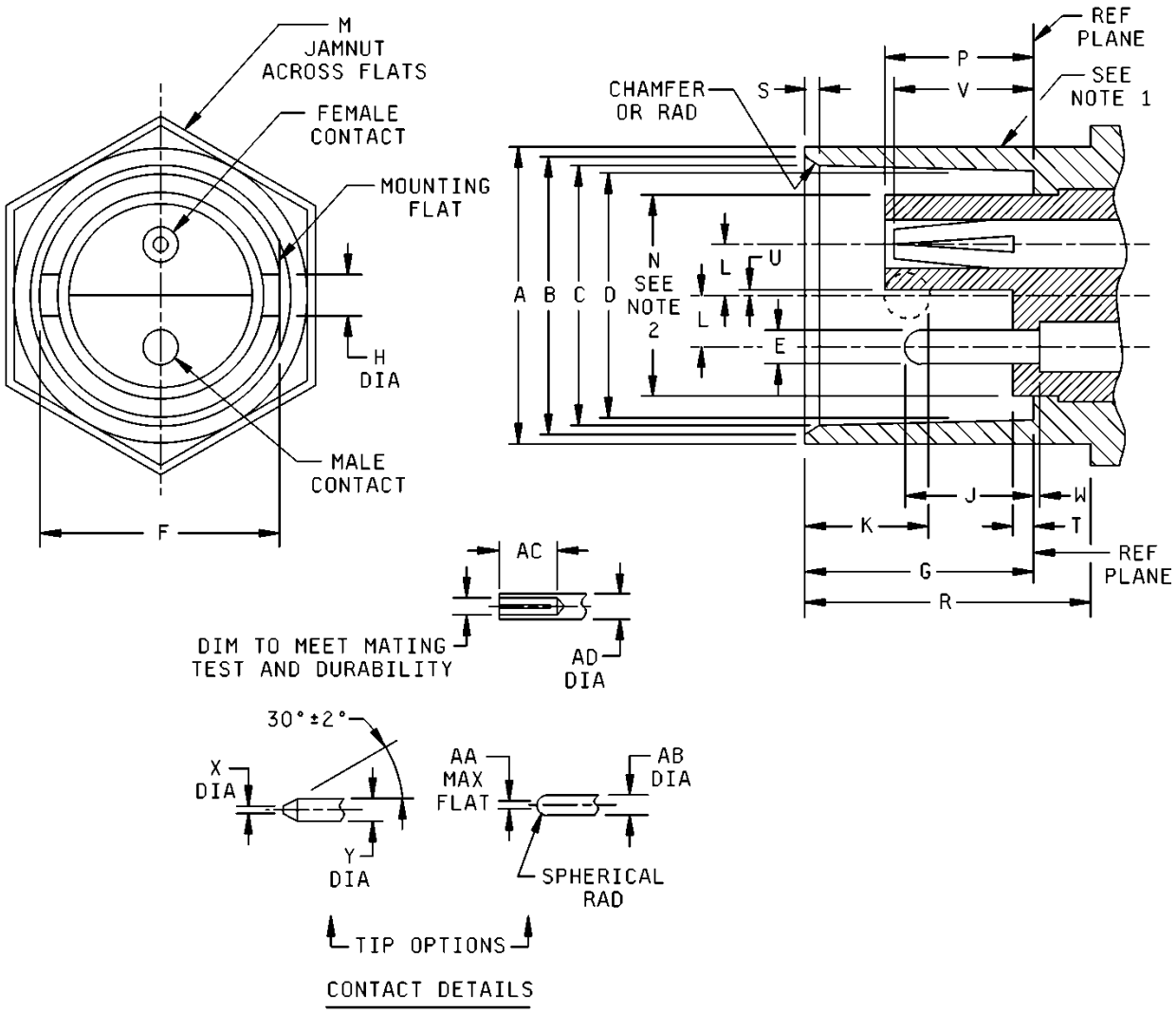


FIGURE 102-3. Interface, series TWBNC, without coupling nut.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	.378 (9.60)	.381 (9.68)
B	.345 (8.76)	.356 (9.04)
C	.327 (8.31)	.336 (8.53)
D	.319 (8.10)	.321 (8.15)
E	.037 (0.94)	.039 (0.99)
F	.432 (10.97)	.436 (11.07)
G	.329 (8.36)	.333 (8.46)
H	.075 (1.91)	.081 (2.06)
J	.171 (4.34)	.200 (5.08)
K	.204 (5.18)	.208 (5.28)
L	.062 (1.57)	.064 (1.63)
M	.620 (15.75)	.630 (16.00)
N	--------	.262 (6.65)
P	.188 (4.78)	.206 (5.23)
R See note 6	.415 (10.54)	---------
S	.015 (0.38)	.030 (0.76)
T	0 (.00)	.028 (0.71)
U	.001 (0.03)	.004 (0.10)
V	.170 (4.32)	.200 (5.08)
W	0 (.00)	.040 (1.02)
X	.010 (0.25)	.015 (0.38)
Y	.037 (0.94)	.039 (0.99)
AA	--------	.015 (0.38)
AB	.037 (0.94)	.039 (0.99)
AC	.180 (4.57)	----------
AD	.061 (1.55)	.064 (1.62)

NOTES:
1. Concave depression .100 x .005 deep between studs permitted.
2. N dimension applies to portion of dielectric protruding beyond reference plane.
3. Bayonet studs and plane of contacts shall be within ±3° of orientation shown.
4. Contacts, insulator and mounting flat shall be oriented within ±3° of orientation shown.
5. This interface shall meet the gauge requirements as specified in MIL-DTL-3655/16.
6. Clearance for mating connector coupling nut.
7. Dimensions are in inches.
8. Metric equivalents are for information only.

FIGURE 102-3. Interface, series TWBNC, without coupling nut - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

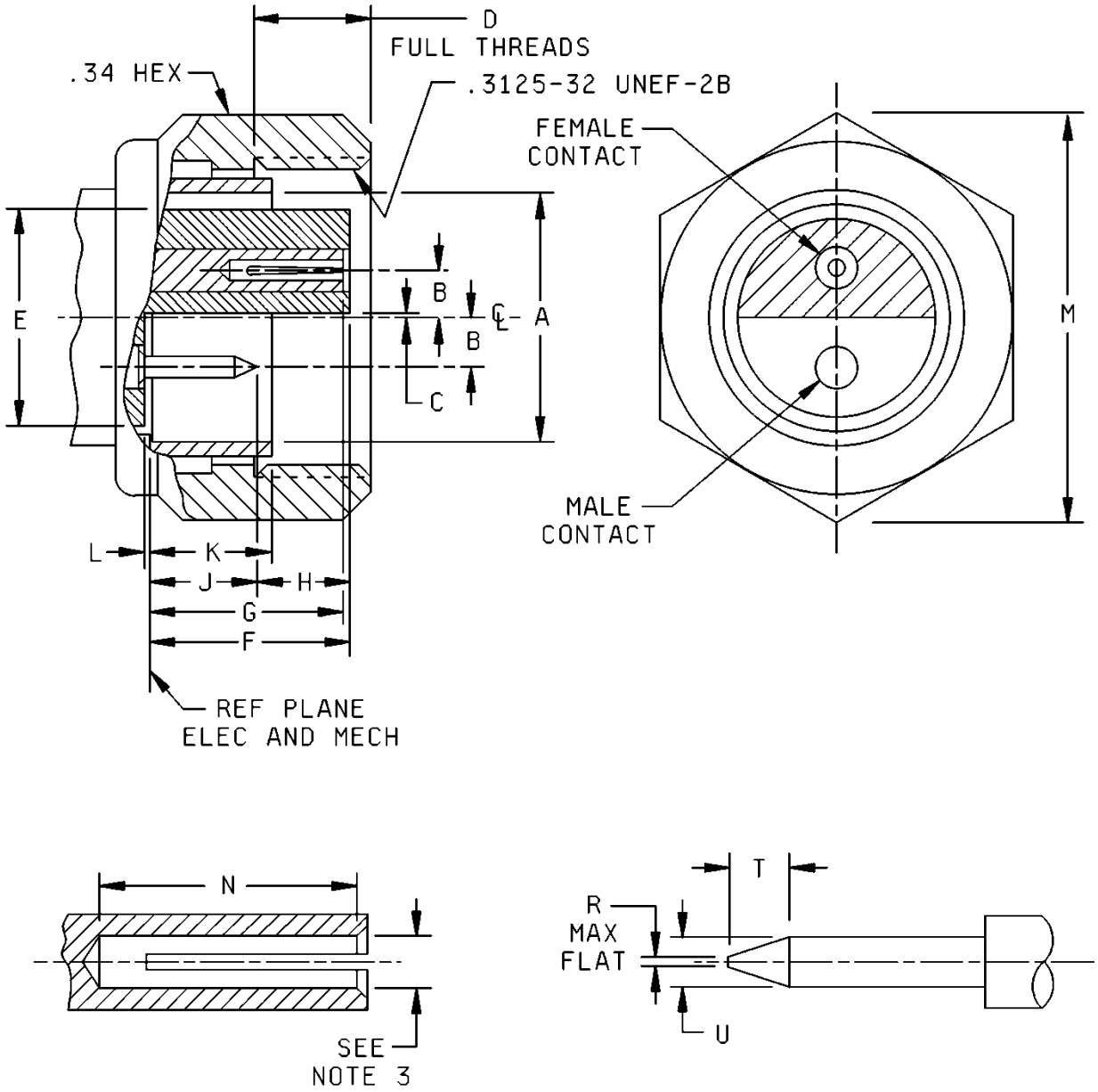


FIGURE 103-1. Interface, series TWSMC, with coupling nut.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A (dia.)	.246 (6.25)	--------
B	.0465 (1.181)	.0485 (1.232)
C	.003 (0.08)	--------
D	.110 (2.79)	--------
E	--------	.209 (5.31)
F	--------	.199 (5.05)
G	--------	.199 (5.05)
H	.096 (2.44) Reference	
J	--------	.105 (2.67)
K	--------	.122 (3.10)
L	.000 (0.00)	--------
M	--------	.320 (8.13)
N	.110 (2.79)	--------
R	--------	.010 (0.25)
T	.010 (0.25)	--------
U (dia.)	.019 (0.48)	.021 (0.53)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-DTL-3655/18.
2. Thread gauge must go .234 (5.94 mm) minimum from reference plane.
3. Dimensions to meet the mechanical and electrical performance requirements of specification when mated with pin specified herein.
4. Dimensions are in inches.
5. Metric equivalents are for information only.

FIGURE 103-1. Interface, series TWSMC, with coupling nut - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

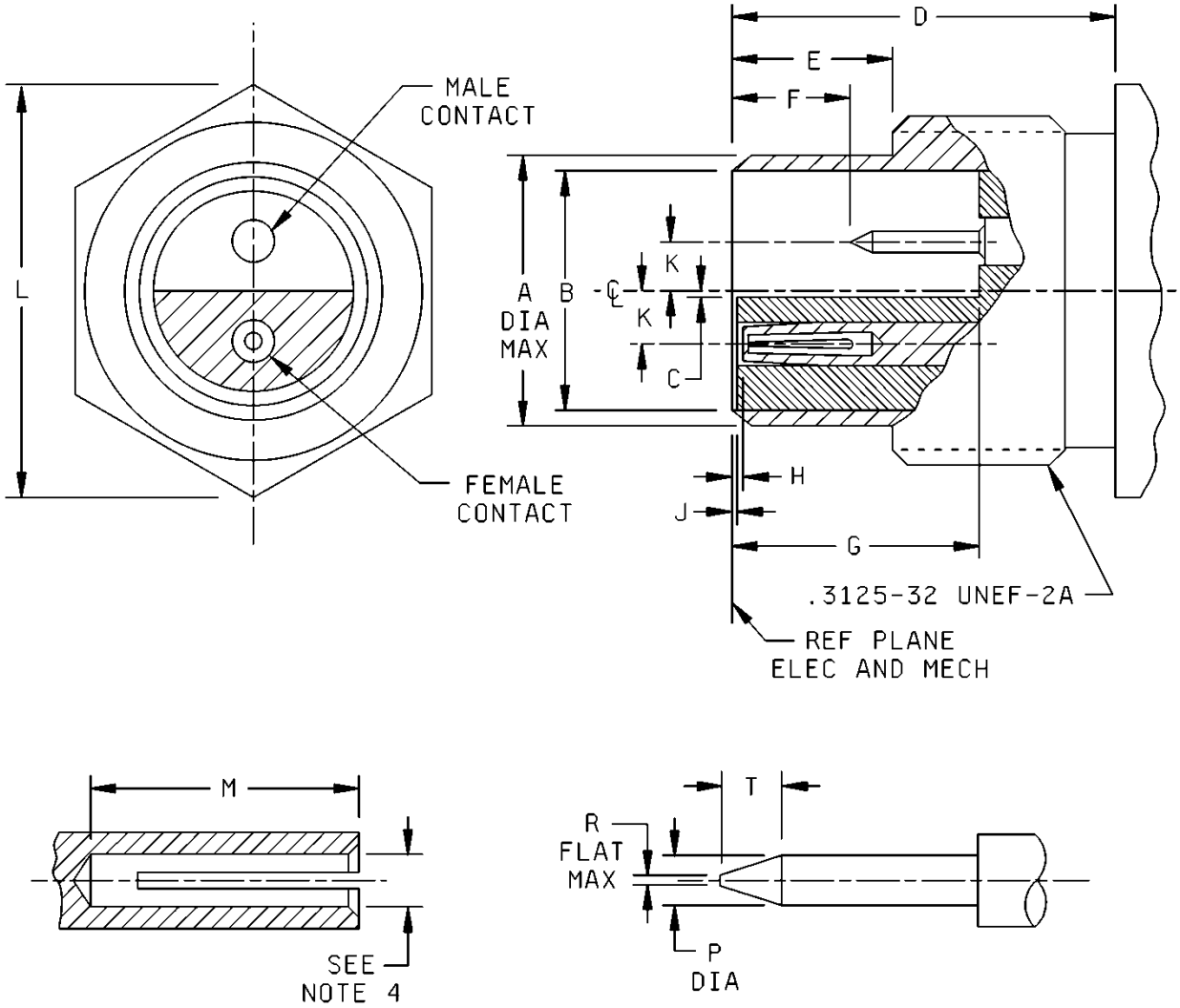


FIGURE 103-2. Interface, series TWSMC, without coupling nut.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	--------	.245 (6.22)
B	.210 (5.33)	--------
C	.003 (0.08)	--------
D See notes 2 and 3	.234 (5.94)	--------
E	.128 (3.25)	
F	.096 (2.44)	
G	.200 (5.08)	--------
H	.000 (0.00)	.015 (0.38)
J	.000 (0.00)	--------
K	.0465 (1.181)	.0485 (1.232)
L	--------	.320 (8.13)
M	.110 (2.79)	-------
P (dia.)	.019 (0.48)	.021 (0.53)
R	--------	.010 (0.25)
T	.010 (0.25)	--------

NOTES:
1. This interface shall meet mating requirements as specified in MIL-DTL-3655/19.
2. Thread gauge must go .234 (5.94 mm) minimum from reference plane.
3. Clearance for mating connector coupling nut.
4. Dimensions to meet the mechanical and electrical performance requirements when mated to pin specified herein.
5. Dimensions are in inches.
6. Metric equivalents are for information only.

FIGURE 103-2. Interface, series TWSMC, without coupling nut - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

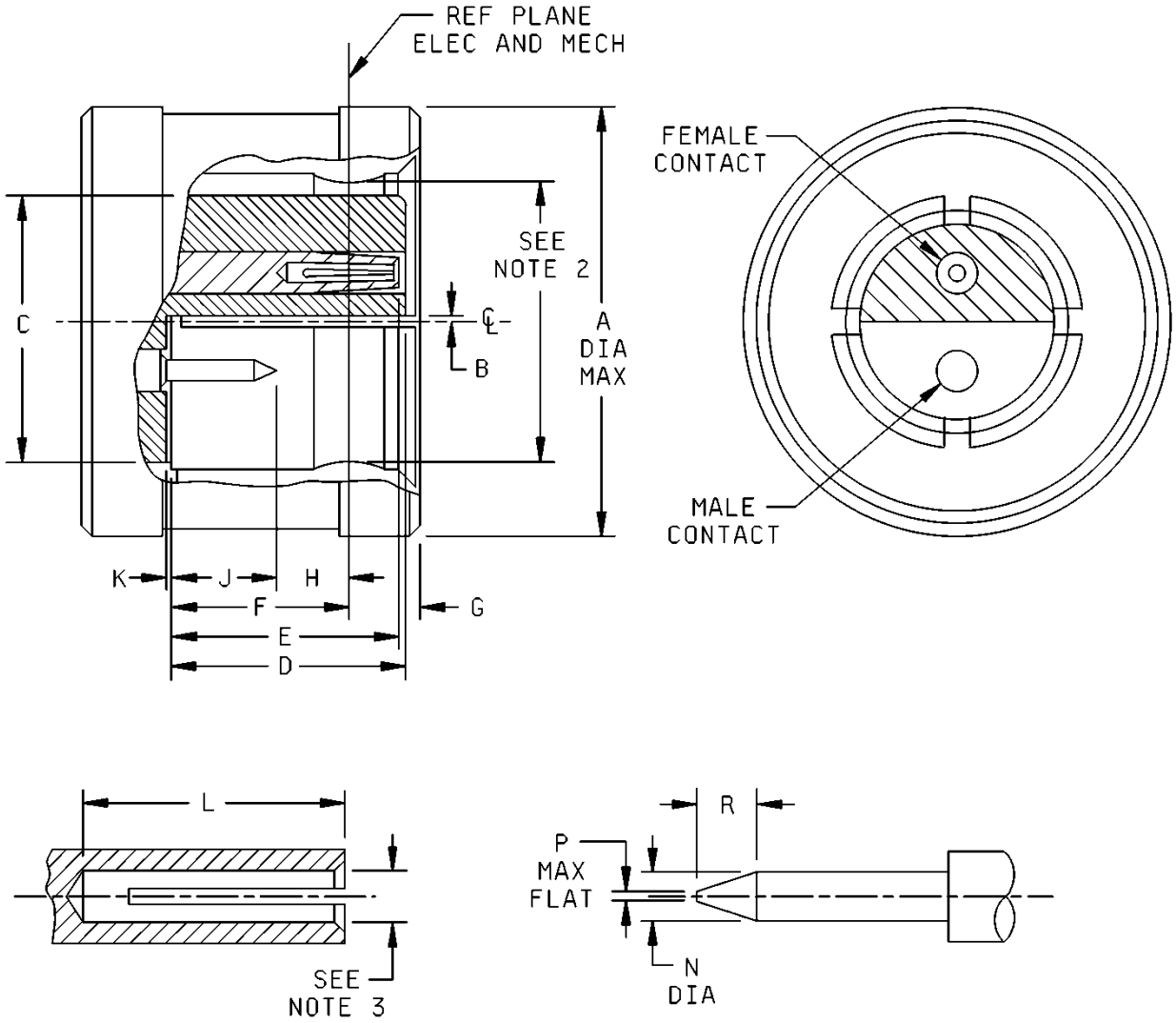


FIGURE 104-1. Interface, series TWSMB, with coupling mechanism.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	--------	.370 (9.40)
B	.003 (0.08)	--------
C	--------	.209 (5.31)
D	--------	.199 (5.05)
E	--------	.199 (5.05)
F	.141 (3.58)	--------
G	--------	.064 (1.63)
H	--------	.038 (0.97)
J	---------	.105 (2.67)
K	.000 (0.00)	-------
L	.110 (2.79)	--------
N	.019 (0.48)	.021 (0.53)
P	---------	.010 (0.25)
R	.010 (0.25)	--------

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-DTL-3655/20.
2. This interface shall meet the force to engage/disengage as specified in MIL-DTL-3655/20.
3. ID to meet mating characteristics and connector durability when mated with pin specified herein.
4. Dimensions are in inches.
5. Metric equivalents are for information only.

FIGURE 104-1. Interface, series TWSMB, with coupling mechanism - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

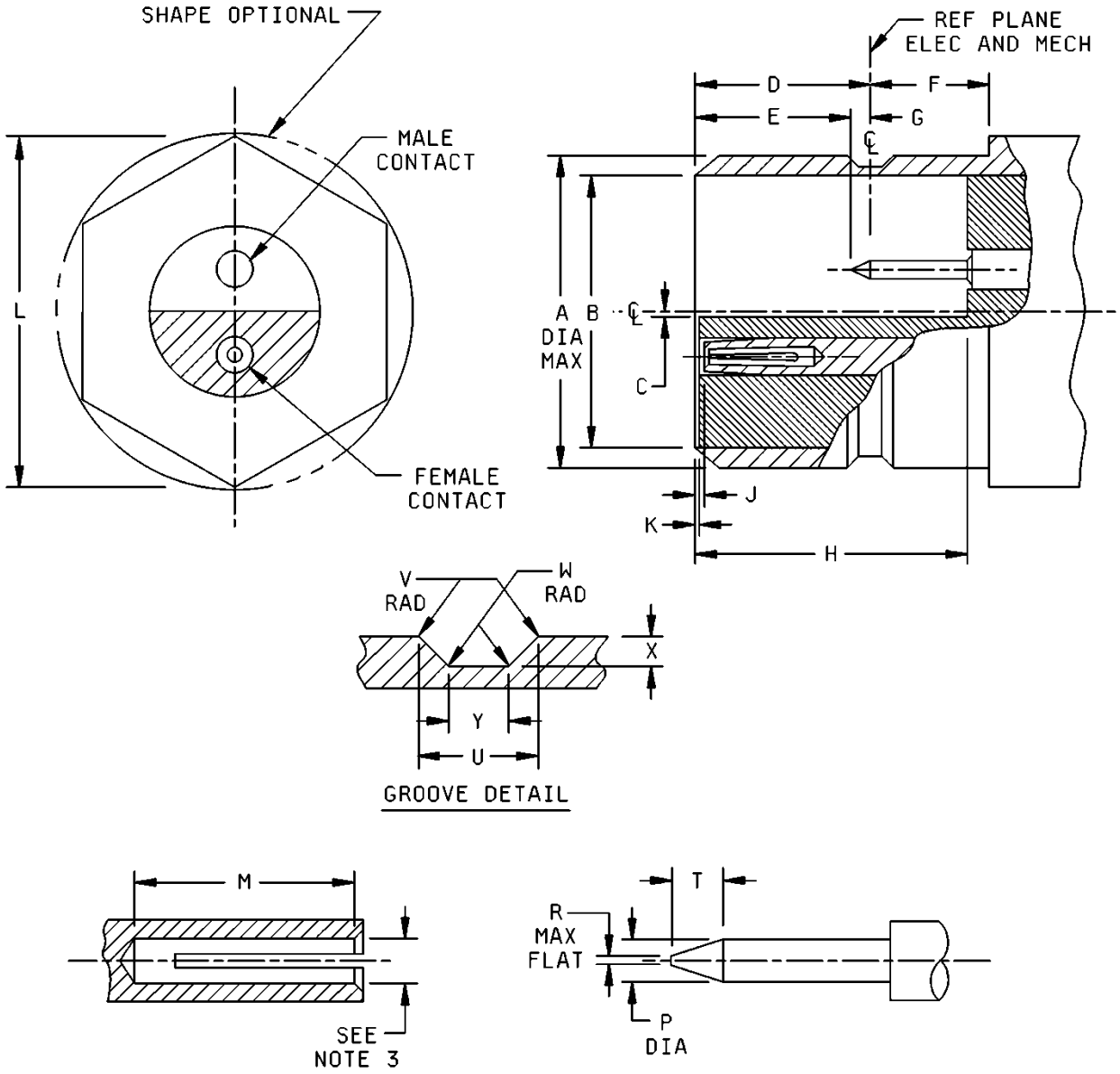


FIGURE 104-2. Interface, series TWSMB, without coupling mechanism.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	--------	.245 (6.22)
B	.210 (5.33)	--------
C	.003 (0.08)	--------
D	.131 (3.33)	.141 (3.58)
E	.096 (2.44)	--------
F See note 2	.065 (1.65)	--------
G	--------	.045 (1.14) Ref.
H	.200 (5.08)	--------
J	.000 (0.00)	.015 (0.38)
K	.000 (0.00)	--------
L	--------	.320 (8.13)
M	.110 (2.79)	--------
P	.019 (0.48)	.021 (0.53)
R	--------	.010 (0.25)
T	.010 (0.25)	--------
U	.027 (0.69)	.037 (0.94)
V	.002 (0.05)	.006 (0.15)
W	--------	.005 (0.13)
X	.006 (0.15)	.010 (0.25)
Y	.011 (0.28)	.015 (0.38)

NOTES:
1. This interface shall meet the mating requirements as specified in MIL-DTL-3655/21.
2. Clearance for mating connector coupling nut.
3. ID to meet mating characteristics and connector durability when mated with pin specified herein.
4. Dimensions are in inches.
5. Metric equivalents are for information only.

FIGURE 104-2. Interface, series TWSMB, without coupling mechanism - Continued.

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SECTION 200

Interface Dimensions for MIL-DTL-49142

Section 201	Series TRB
Section 202	Series TRT
Section 203	Series TRK
Section 204	Series TRL

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

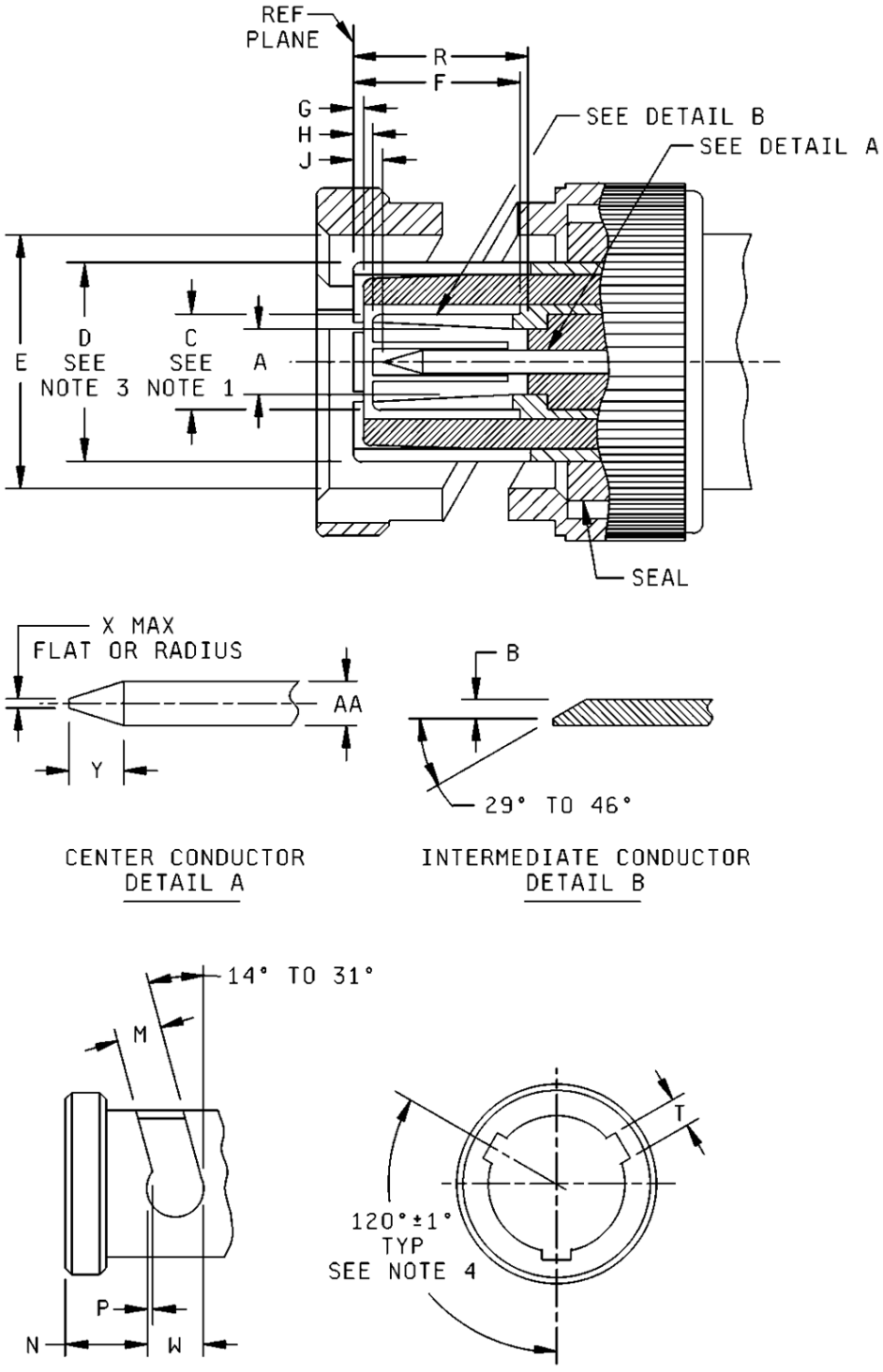


FIGURE 201-1. Interface, series TRB, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Ltr.	Inches (mm)	
	Min.	Max.
A	.123 (3.12)	---------
B	.005 (0.13)	.010 (0.25)
C	See note 1	
D		
E	.385 (9.78)	.390 (9.91)
F	.213 (5.41)	.242 (6.15)
G	.001 (0.03)	---------
H	.007 (0.18)	.033 (0.84)
J	.008 (0.20)	.042 (1.07)
M	.091 (2.31)	.097 (2.46)
N	.180 (4.57)	.184 (4.67)
P	.018 (0.46)	.022 (0.56)
R	.213 (5.41)	---------
T	.091 (2.31)	.097 (2.46)
W	.124 (3.15)	---------
X	--------	.010 (0.25)
Y	.041 (1.04)	.061 (1.55)
AA	.037 (0.94)	.039 (0.99)

NOTES:
1. Flared to meet mating characteristic test.
2. Metric equivalents are given in parentheses or tabulated.
3. This interface shall meet the gauge requirements of MIL-PRF-49142.
4. Standard polarization, see MIL-PRF-49142 for other options.
5. Dimensions are in inches.
6. Metric equivalents are for information only.

FIGURE 201-1. Interface, series TRB, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

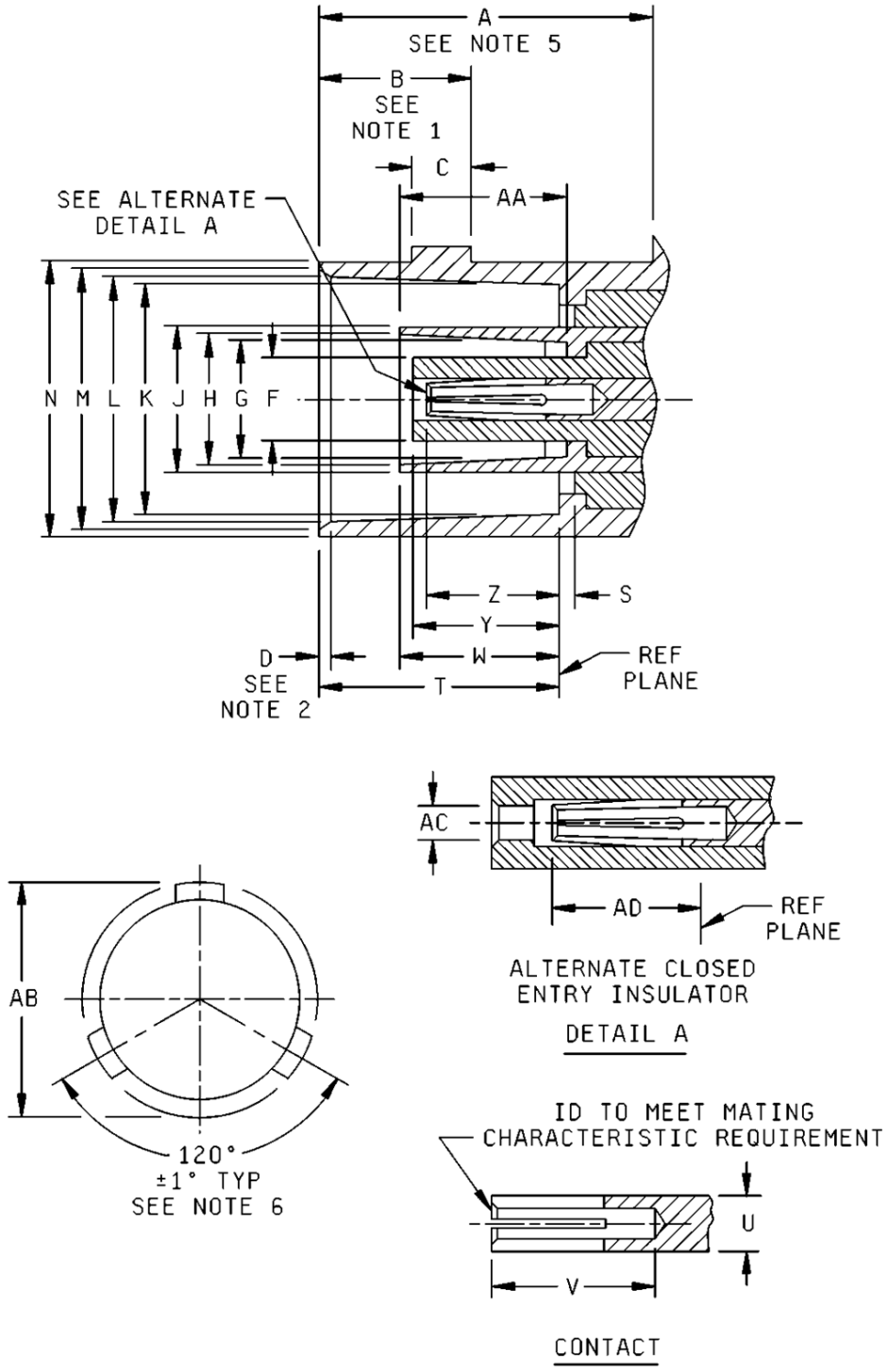


FIGURE 201-2. Interface, series TRB, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Ltr.	Inches (millimeters)	
	Minimum	Maximum
A	.414 (10.52)	---------
B	.204 (5.18)	.208 (5.28)
C	.075 (1.91)	.081 (2.06)
D	.015 (0.38)	.030 (0.76)
F	.117 (2.97)	.122 (3.10)
G	.169 (4.29)	.171 (4.34)
H	.178 (4.52)	.182 (4.62)
J	.195 (4.95)	.199 (5.05)
K	.319 (8.10)	.321 (8.15)
L	.327 (8.31)	.333 (8.46)
M	.346 (8.79)	.356 (9.04)
N	.378 (9.60)	.382 (9.70)
S	.001 (0.03)	---------
T	.327 (8.31)	.335 (8.51)
U	.062 (1.57)	.064 (1.63)
V	.200 (5.08)	---------
W	.187 (4.75)	.213 (5.41)
Y	-------	.213 (5.41)
Z	.165 (4.19)	.203 (5.16)
AA	.206 (5.23)	.213 (5.41)
AB	.432 (10.97)	.436 (11.07)
AC	.040 (1.02)	.043 (1.09)
AD	.133 (3.38)	.165 (4.19)

NOTES:
1. .005 (0.13 mm) flat permissible to meet dimension B.
2. Chamfer or radius.
3. Metric equivalents are in parentheses or tabulated.
4. This interface shall meet the gauge requirements of MIL-PRF-49142.
5. Clearance for mating connector coupling nut.
6. Standard polarization, see MIL-PRF-49142 for other options.
7. Dimensions are in inches.
8. Metric equivalents are for information only.

FIGURE 201-2. Interface, series TRB, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

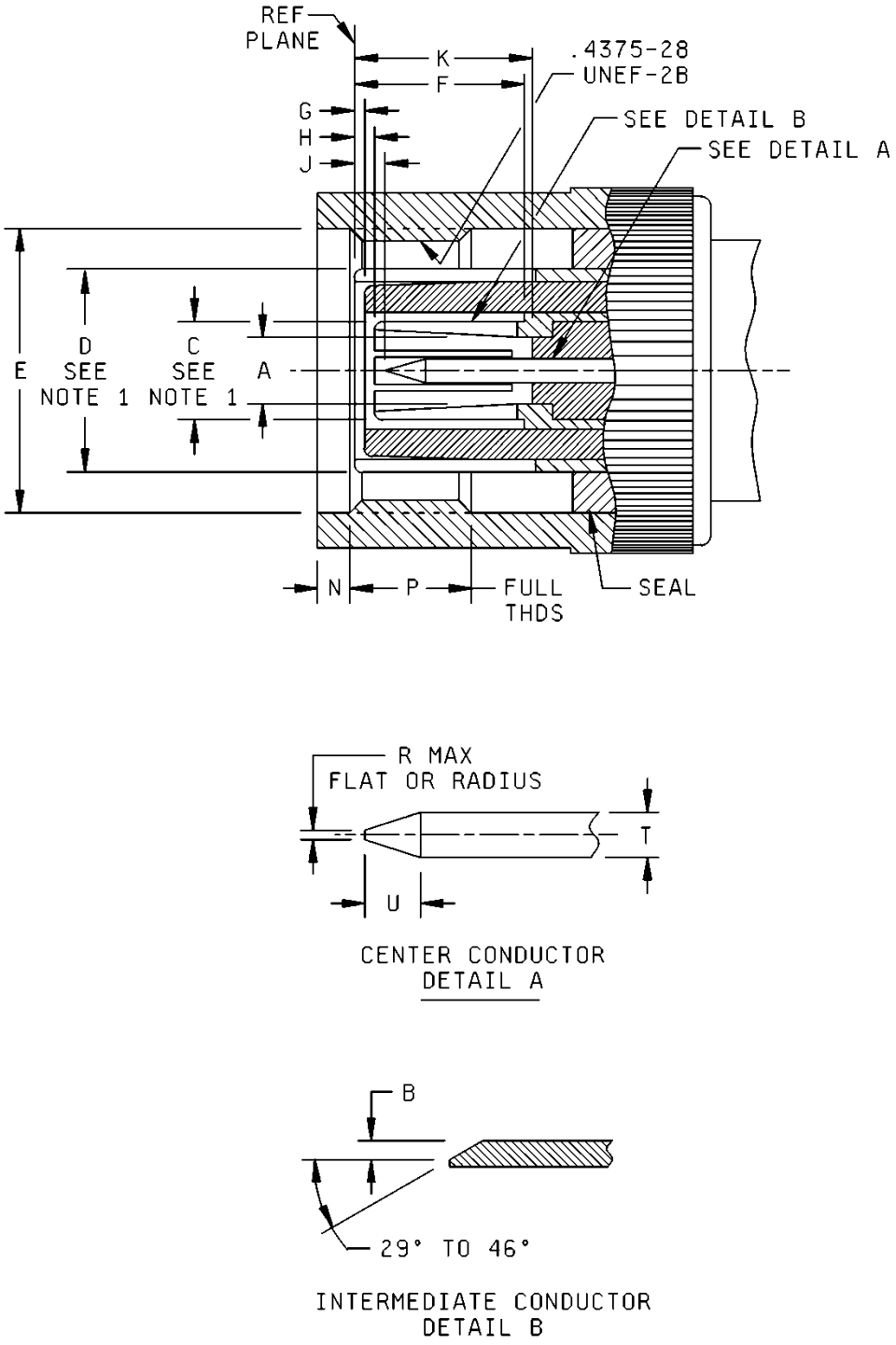


FIGURE 202-1. Interface, series TRT, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Ltr.	Inches (mm)	
	Min.	Max.
A	.123 (3.12)	---
B	.005 (0.13)	.010 (0.25)
C	See note 1	
D		
E	.440 (11.18)	---
F	.213 (5.41)	.242 (6.15)
G	.001 (0.03)	---
H	.007 (0.18)	.033 (0.84)
J	.008 (0.20)	.042 (1.07)
K	.213 (5.41)	---
N	.063 (1.60)	---
P	.156 (3.96)	---
R	---	.010 (0.25)
T	.037 (0.94)	.039 (0.99)
U	.041 (1.04)	.061 (1.55)

NOTES:
1. Flared to meet mating characteristic test.
2. Metric equivalents are in parentheses or tabulated.
3. This interface shall meet the gauge requirements of MIL-PRF-49142.
4. Dimensions are in inches.
5. Metric equivalents are for information only.

FIGURE 202-1. Interface, series TRT, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

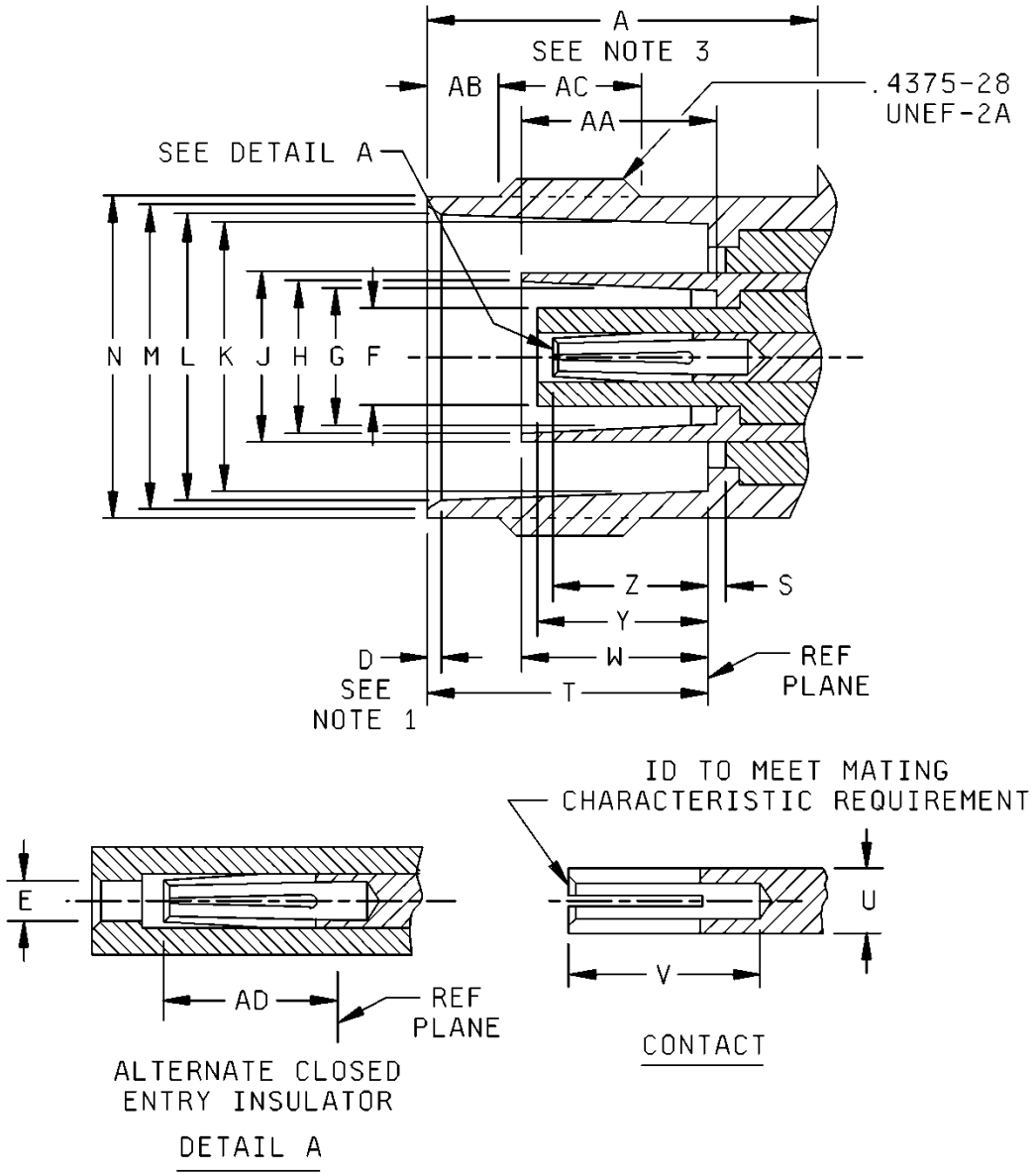


FIGURE 202-2. Interface, series TRT, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Ltr.	Inches (millimeter)	
	Min.	Max.
A	.414 (10.52)	--------
D	.015 (0.38)	.030 (0.76)
E	.040 (1.02)	.043 (1.09)
F	.117 (2.97)	.122 (3.10)
G	.169 (4.29)	.171 (4.34)
H	.178 (4.52)	.182 (4.62)
J	.195 (4.95)	.199 (5.05)
K	.319 (8.10)	.321 (8.15)
L	.327 (8.31)	.333 (8.46)
M	.346 (8.79)	.356 (9.04)
N	.378 (9.60)	.382 (9.70)
S	.001 (0.03)	--------
T	.327 (8.31)	.335 (8.51)
U	.062 (1.57)	.064 (1.63)
V	.200 (5.08)	--------
W	.187 (4.75)	.213 (5.41)
Y	-------	.213 (5.41)
Z	.165 (4.19)	.203 (5.16)
AA	.206 (5.23)	.213 (5.41)
AB	.068 (1.73)	.088 (2.24)
AC	.187 (4.75)	--------
AD	.133 (3.38)	.165 (4.19)

NOTES:
1. Chamfer or radius.
2. This interface shall meet the gauge requirements of MIL-PRF-49142.
3. Clearance for mating connector coupling nut.
4. Dimensions are in inches.
5. Metric equivalents are for information only.

FIGURE 202-2. Interface, series TRT, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

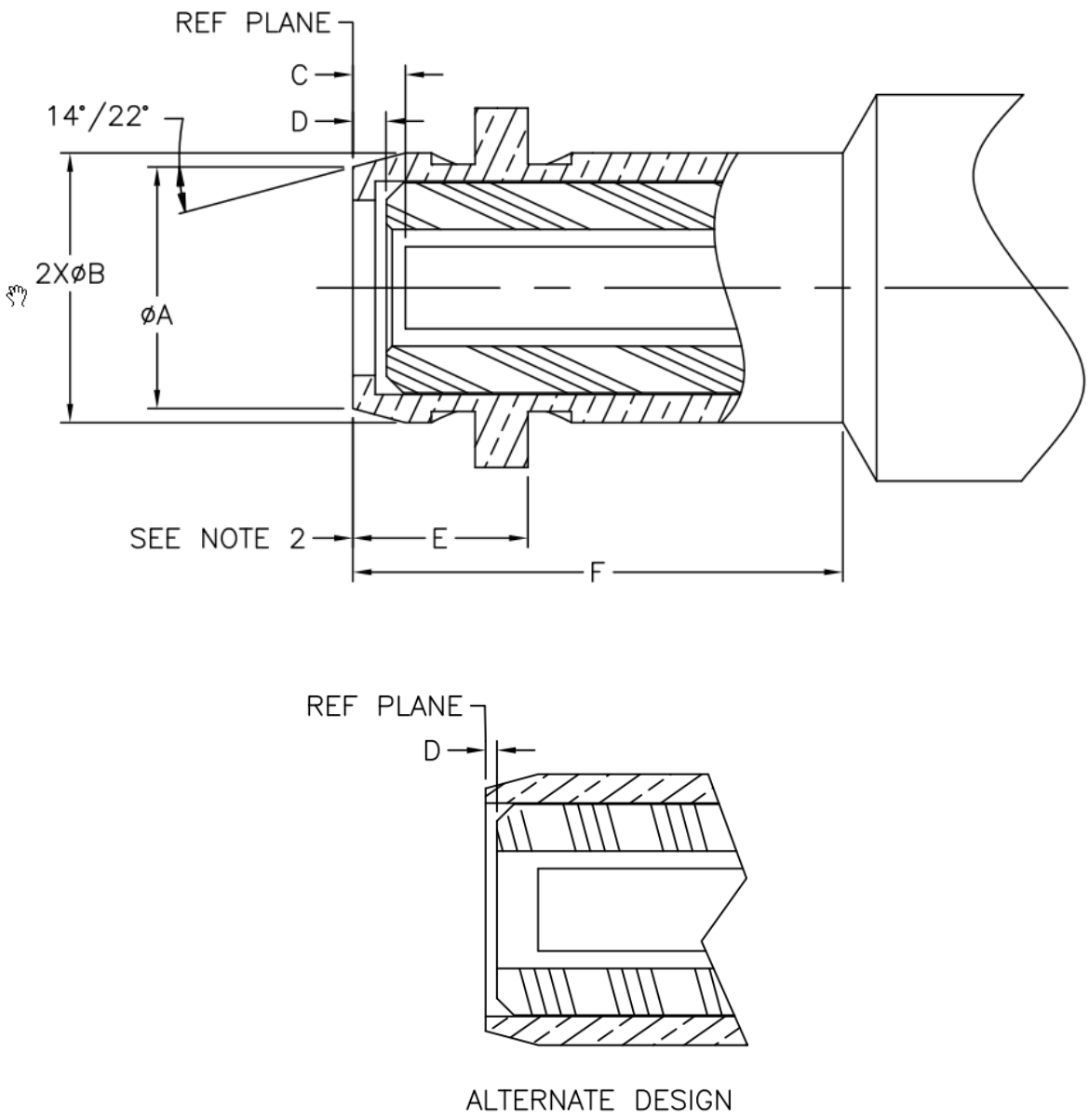
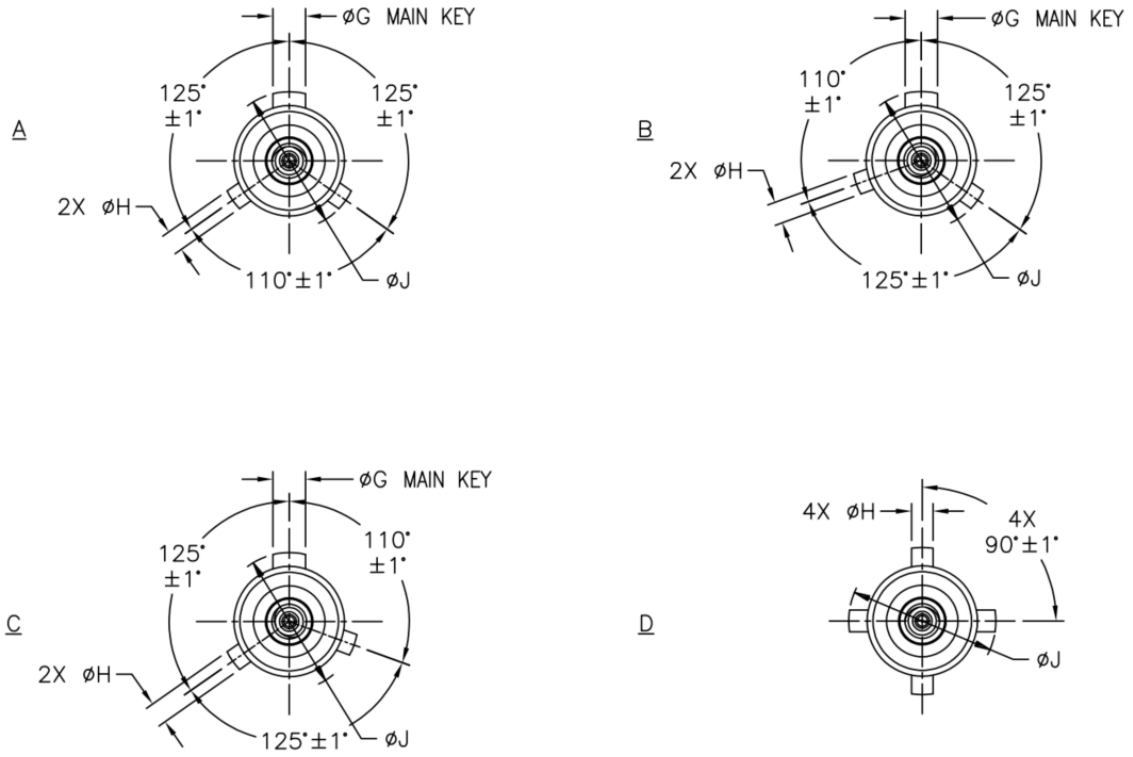


FIGURE 203-1. Interface, Series TRK, jack.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



LTR	Inches	
	Min	Max
A	.210	.220
B	.238	.241
C	.001	---
D	---	.036
E	.164	.171
F	.415	---
G	.068	.074
H	.044	.050
J	.314	.323

NOTES:
1. Dimensions are in inches.
2. .005 (.13) flat permissible to meet dimension E.
3. See figures 203-3 and 203-4 for signal contact polarity options.

FIGURE 203-1. Interface, Series TRK, jack – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

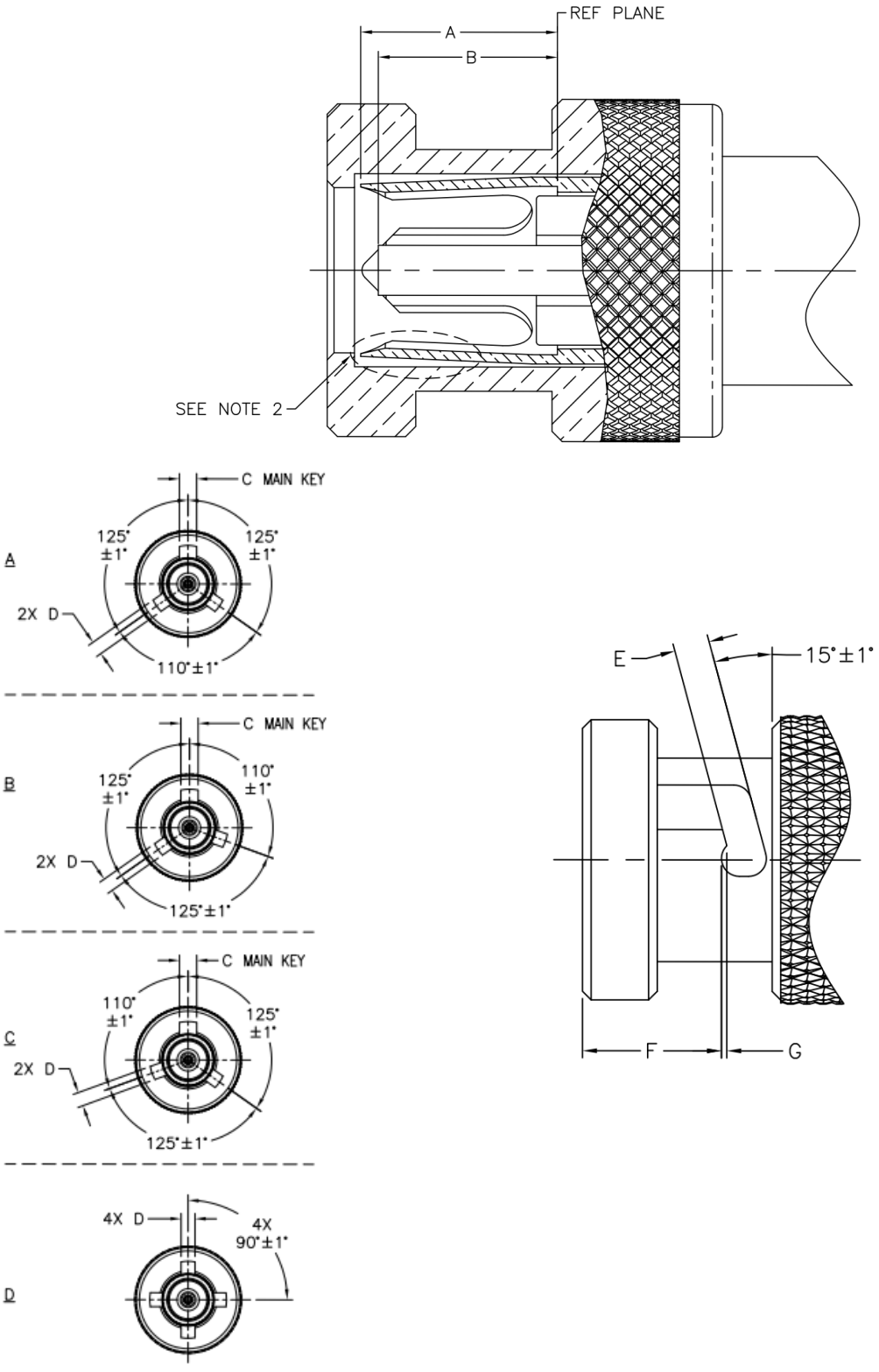


FIGURE 203-2. Interface, Series TRK, plug

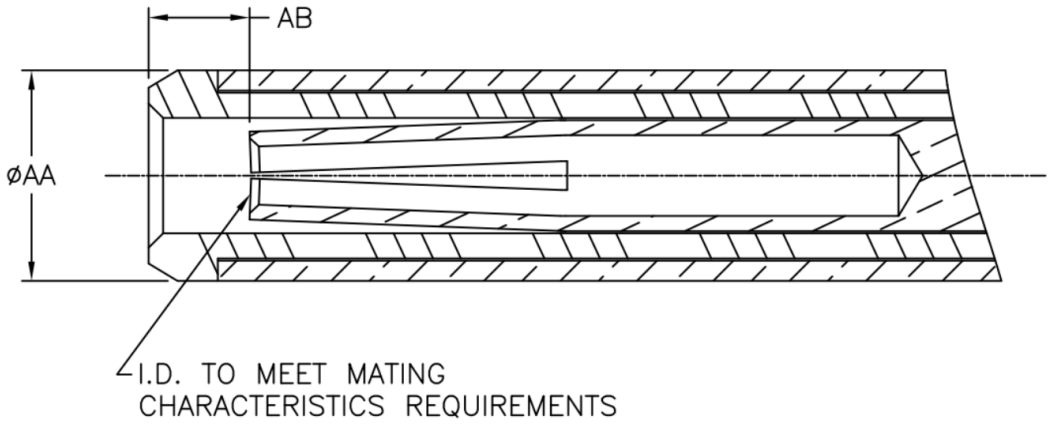
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

LTR	Inches	
	Min	Max
A	.281	.303
B	.248	.319
C	.077	.083
D	.056	.068
E	See keying detail	
F	.211	--
G	.015	--

NOTES:
1. Dimensions are in inches.
2. Slot design of alignment fingers optional.
3. See figures 203-3 and 203-4 for signal contact polarity options.

FIGURE 203-2. Interface, Series TRK, plug – Continued.

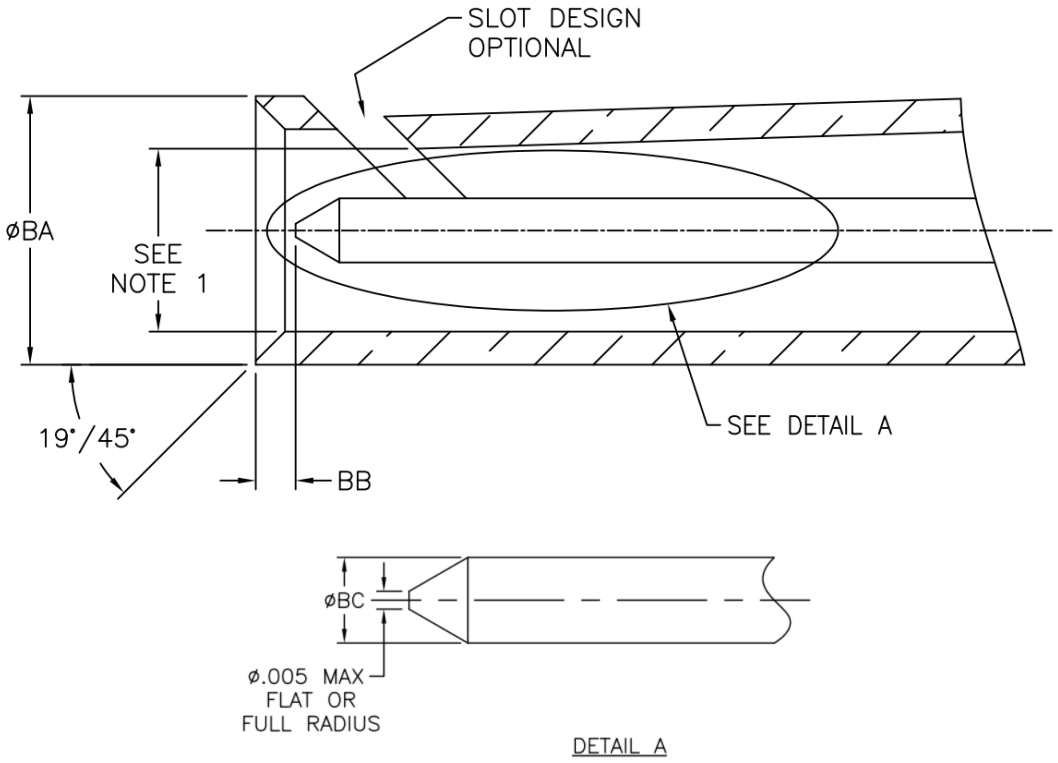
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



LTR	Inches	
	Min	Max
AA	.072	.074
AB	.040	.061

FIGURE 203-3. Pin Interface Dimensions, Series TRK

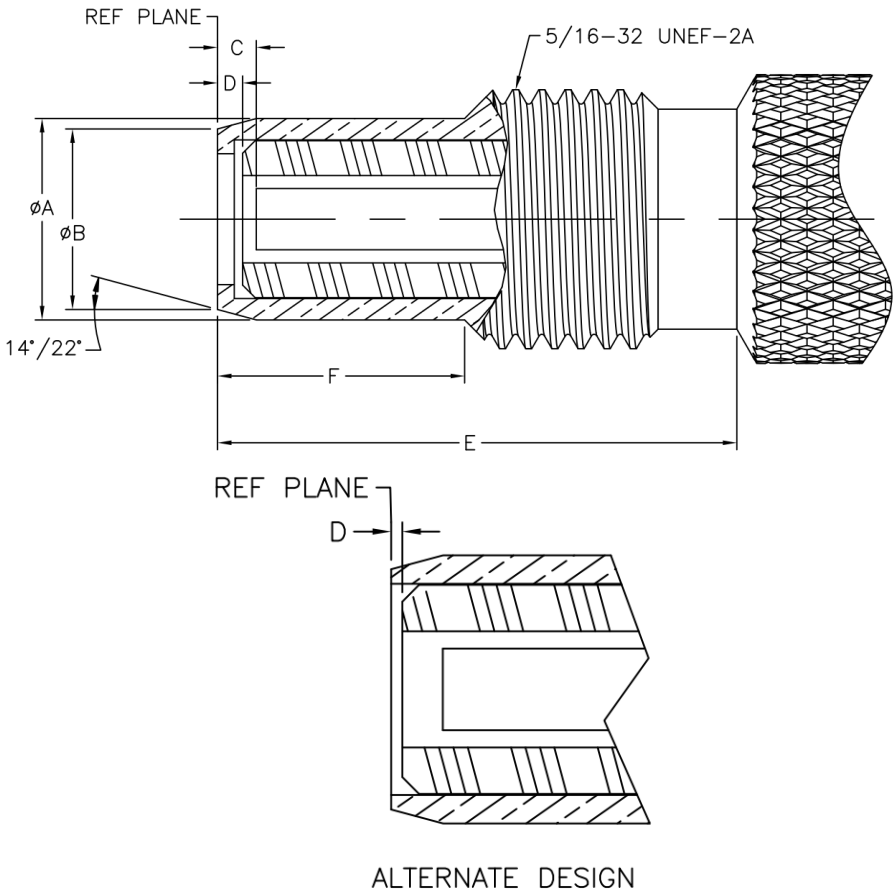
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



LTR	Inches	
	Min	Max
BA	-	.107
BB	.007	.039
BC	.023	.025

FIGURE 203-4. Socket Interface Dimensions, Series TRK

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
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ALTERNATE DESIGN

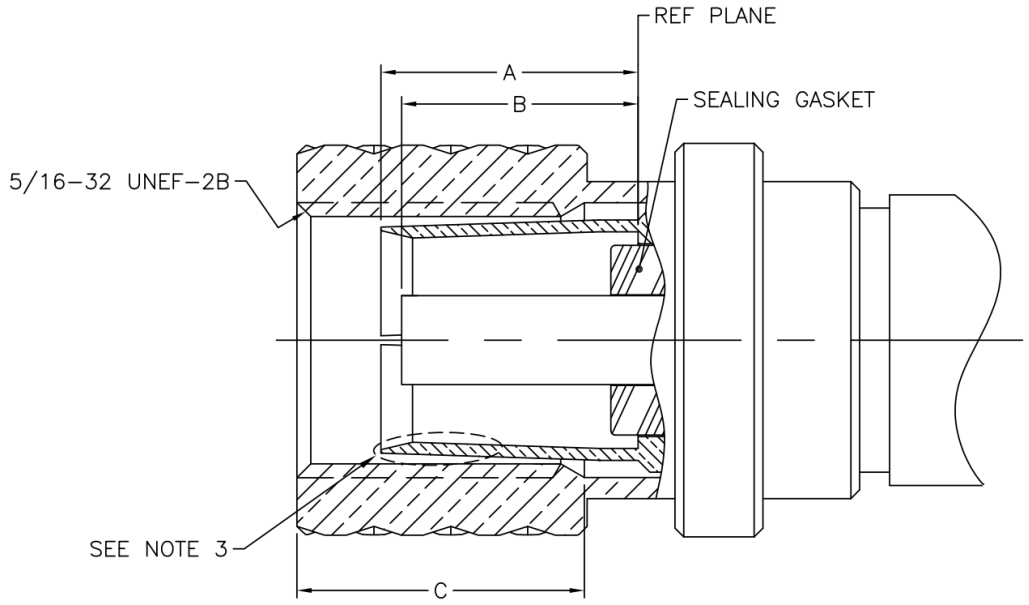
LTR	Inches	
	Min	Max
A	.239	.241
B	.210	.220
C	.010	--
D	--	.036
E	.421	--
F	.303	.307

NOTES:

1. See Figure 204-3 and Figure 204-4 for signal contact polarity options.

FIGURE 204-1. Interface, Series TRL, Jack

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



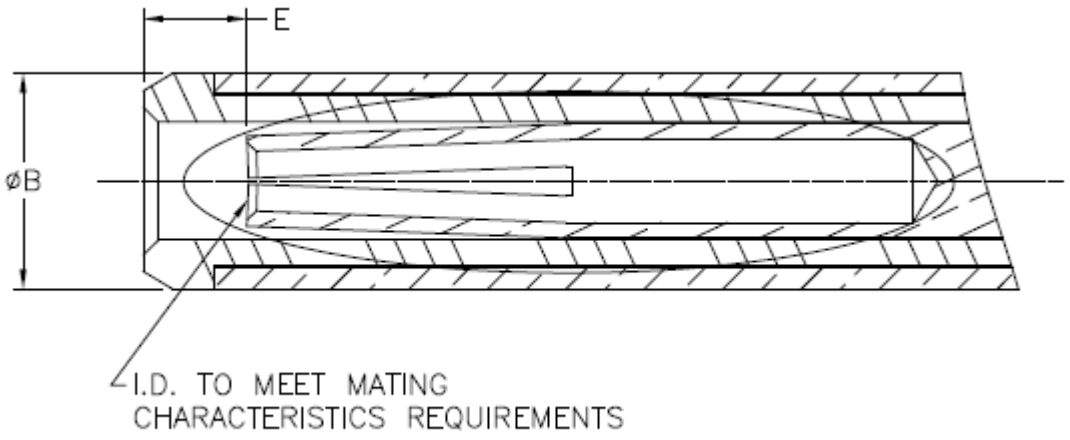
LTR	Inches	
	Min	Max
A	.281	.303
B	.222	.325
C	.197	-

NOTES:

2. See Figure 204-3 and Figure 204-4 for signal contact polarity options.
3. Slot design of alignment fingers optional.

FIGURE 204-2. Interface, Series TRL, Plug.

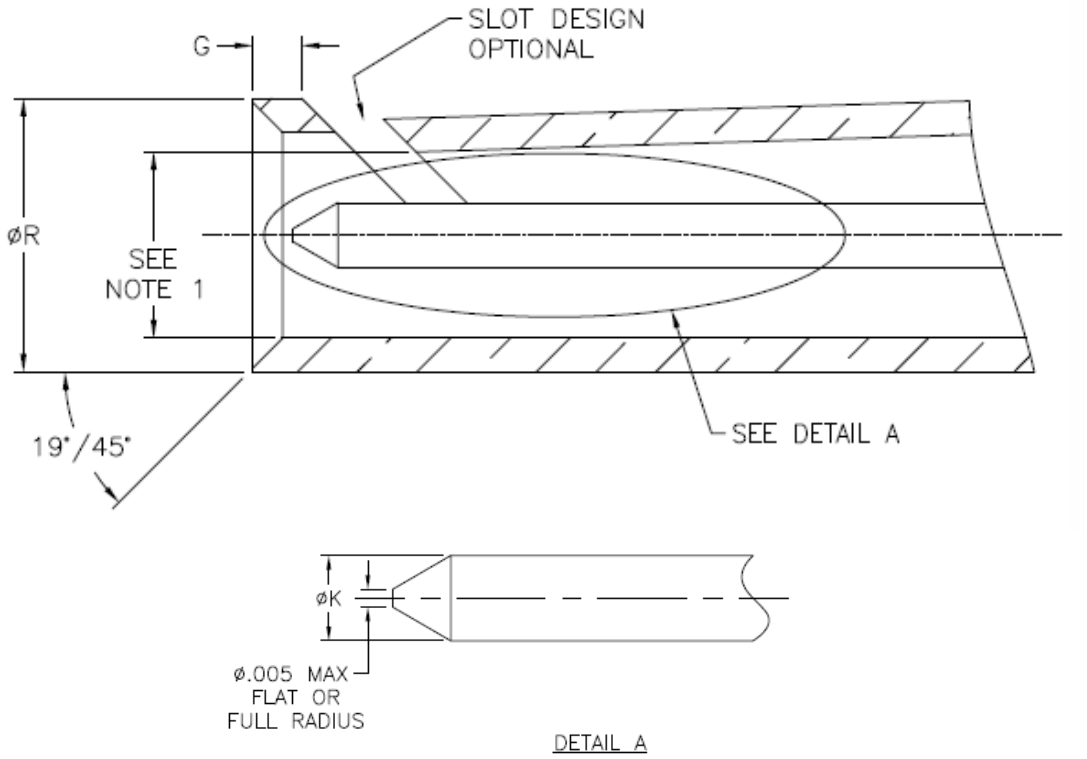
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



LTR	Inches	
	Min	Max
B	.072	.074
E	.040	.061

FIGURE 204-3. Pin Interface Dimensions, Series TRL.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



LTR	Inches	
	Min	Max
G	.007	.039
K	.023	.025
R	-	.107

FIGURE 204-4. Socket Interface Dimensions, Series TRL.

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SECTION 300

Interface Dimensions for MIL-DTL-3643, MIL-DTL-3650, MIL-PRF-31031, MIL-DTL-39012, MIL-DTL-55339 and MIL-DTL-83517

Section 301	Series BNC
Section 302	Series C
Section 303	Series MHV
Section 304	Series N
Section 305	Series QL
Section 306	Series QM
Section 307	Series QNC
Section 308	Series QSC
Section 309	Series SC
Section 310	Series SMA
Section 311	Series SMB
Section 312	Series SMC
Section 313	Series TNC
Section 313	Series TNCA
Section 314	Series SHV
Section 315	Series LC
Section 316	Series Environment resistant
Section 317	Series HN
Section 318	Series LT
Section 319	Series SSMA
Section 320	Series SSMB
Section 321	Series BMA
Section 322	Series BMB
Section 323	Series SMK
Section 324	Series 2.4 mm
Section 325	Series BMZ
Section 326	Series SMP
Section 327	Series DBA
Section 328	Series SMPM
Section 329	Series TK
Section 330	Series BNC
Section 331	Series N
Section 332	Series TNC
Section 333	Series SMP3
Section 334	Series SMPS

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

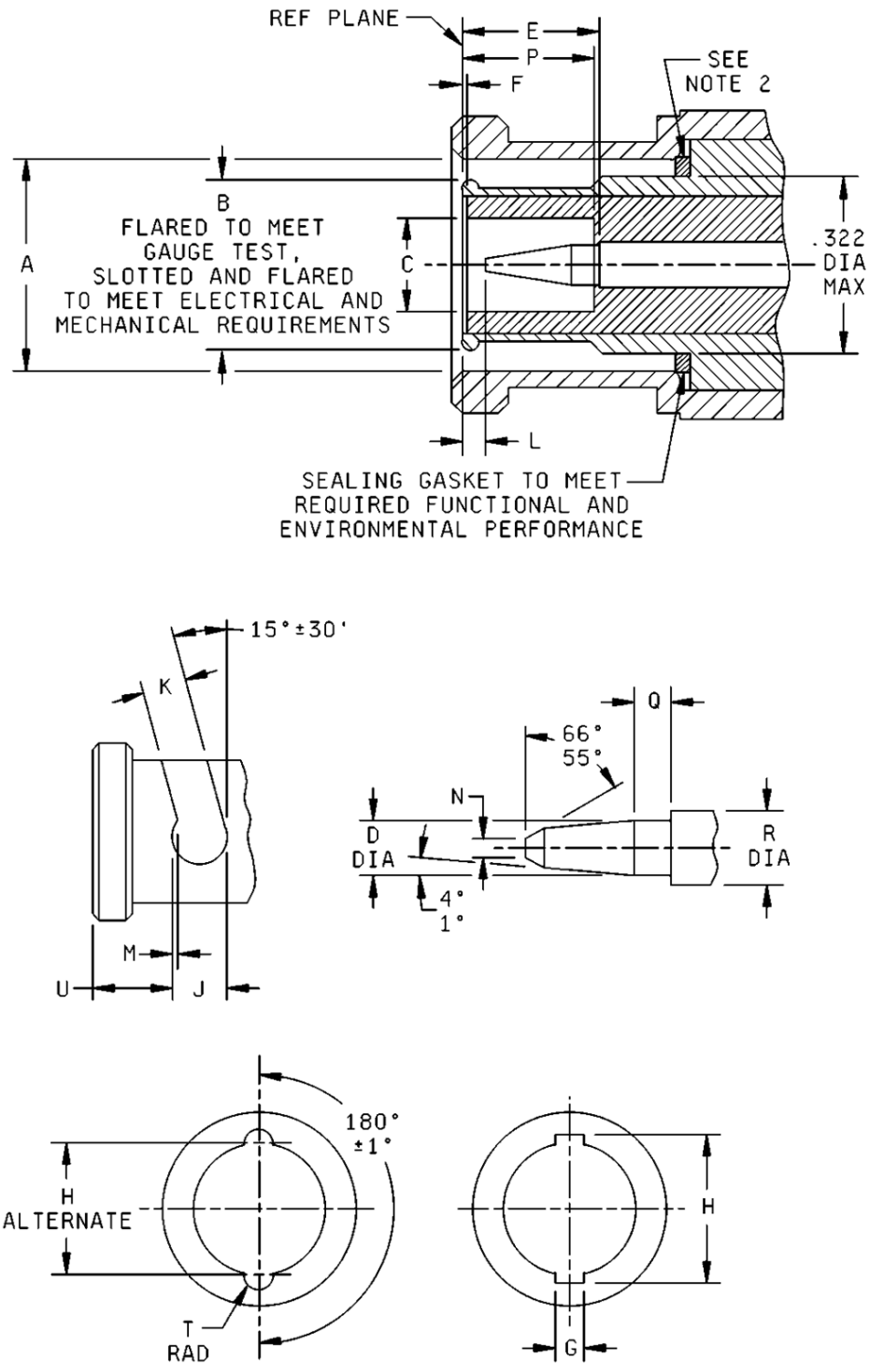


FIGURE 301-1. Interface, series BNC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Minimum	Maximum
A	.385 (9.78)	.390 (9.91)
B	Gauge test	
C	.190 (4.83)	---------
D	.052 (1.32)	.054 (1.37)
E	.210 (5.33)	.230 (5.84)
F	.006 (0.15)	---------
G	.091 (2.31)	.097 (2.46)
H	.463 (11.76)	.473 (12.01)
H Alternate	.394 (10.01)	.400 (10.16)
J	.124 (3.15)	---------
K	.091 (2.31)	.097 (2.46)
L	.003 (0.08)	---------
M	.018 (0.46)	.022 (0.56)
N	---------	.025 (0.64)
P	.208 (5.28)	.228 (5.79)
Q	.078 (1.98)	---------
R	.081 (2.06)	.087 (2.21)
T	.045 (1.14)	.049 (1.24)
U	.180 (4.57)	.184 (4.67)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/16.
2. In the mated condition, the longitudinal force of the spring of the coupling mechanism shall exceed the pressure exerted by the sealing gasket by an amount necessary to insure butting of the outer contacts at the reference plane.

FIGURE 301-1. Interface, series BNC, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

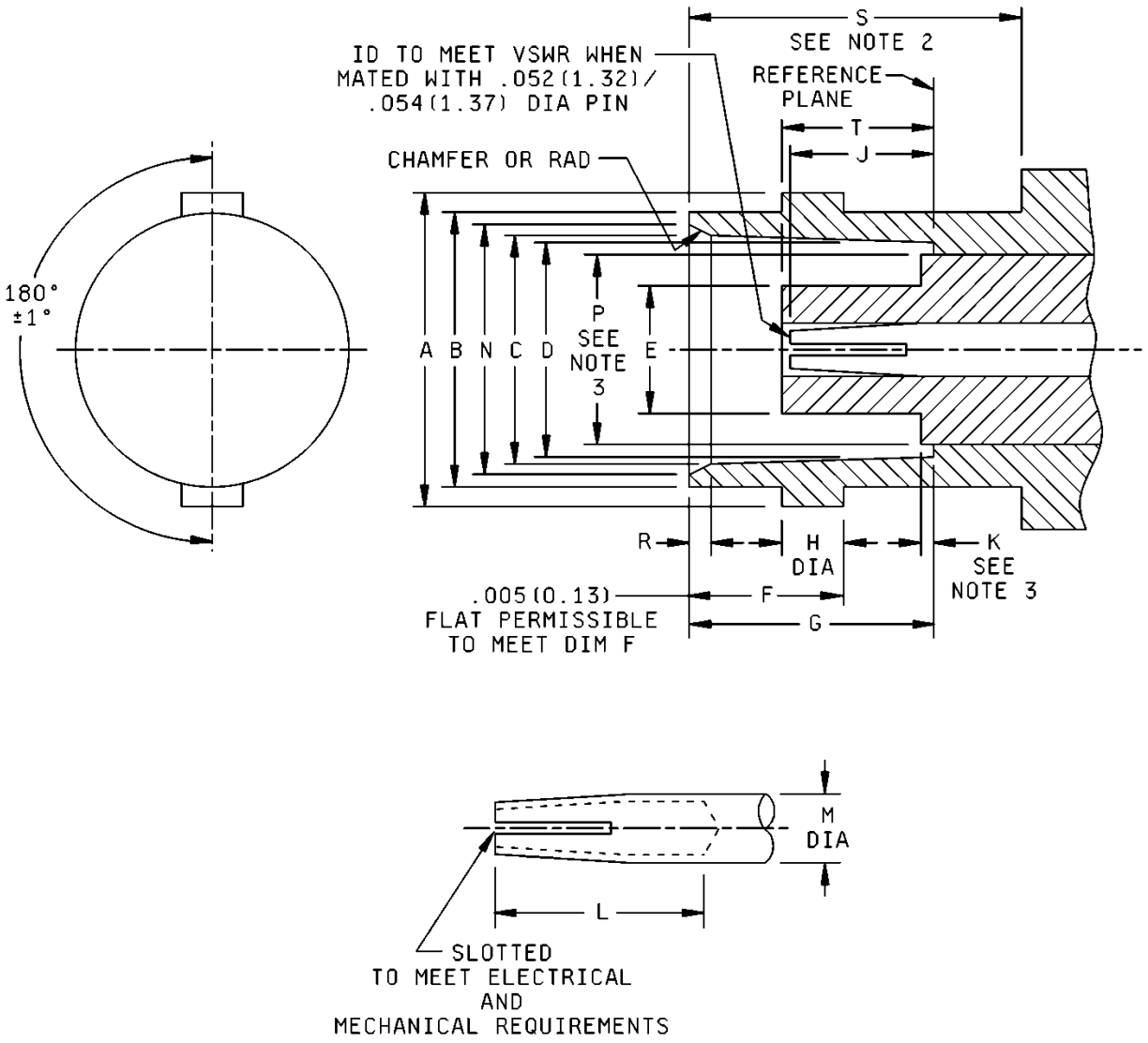


FIGURE 301-2. Interface, series BNC, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Minimum	Maximum
A	.432 (10.97)	.436 (11.07)
B	.378 (9.60)	.382 (9.70)
C	.327 (8.31)	.333 (8.46)
D	.319 (8.10)	.321 (8.15)
E	---------	.186 (4.72)
F	.204 (5.18)	.208 (5.28)
G	.327 (8.31)	.335 (8.51)
H	.075 (1.91)	.081 (2.06)
J	.186 (4.72)	.206 (5.23)
K	---------	.006 (0.15)
L	.195 (4.95)	---------
M	.081 (2.06)	.087 (2.21)
N	.346 (8.79)	.356 (9.04)
P	---------	.256 (6.50)
R	.015 (0.38)	.030 (0.76)
S	.414 (10.52)	---------
T	.188 (4.78)	.208 (5.28)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/17.
2. Clearance for mating connector coupling nut.
3. P dimension applies to that portion (if applicable) of dielectric which extends beyond reference plane by dimension K.

FIGURE 301-2. Interface, series BNC, socket contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

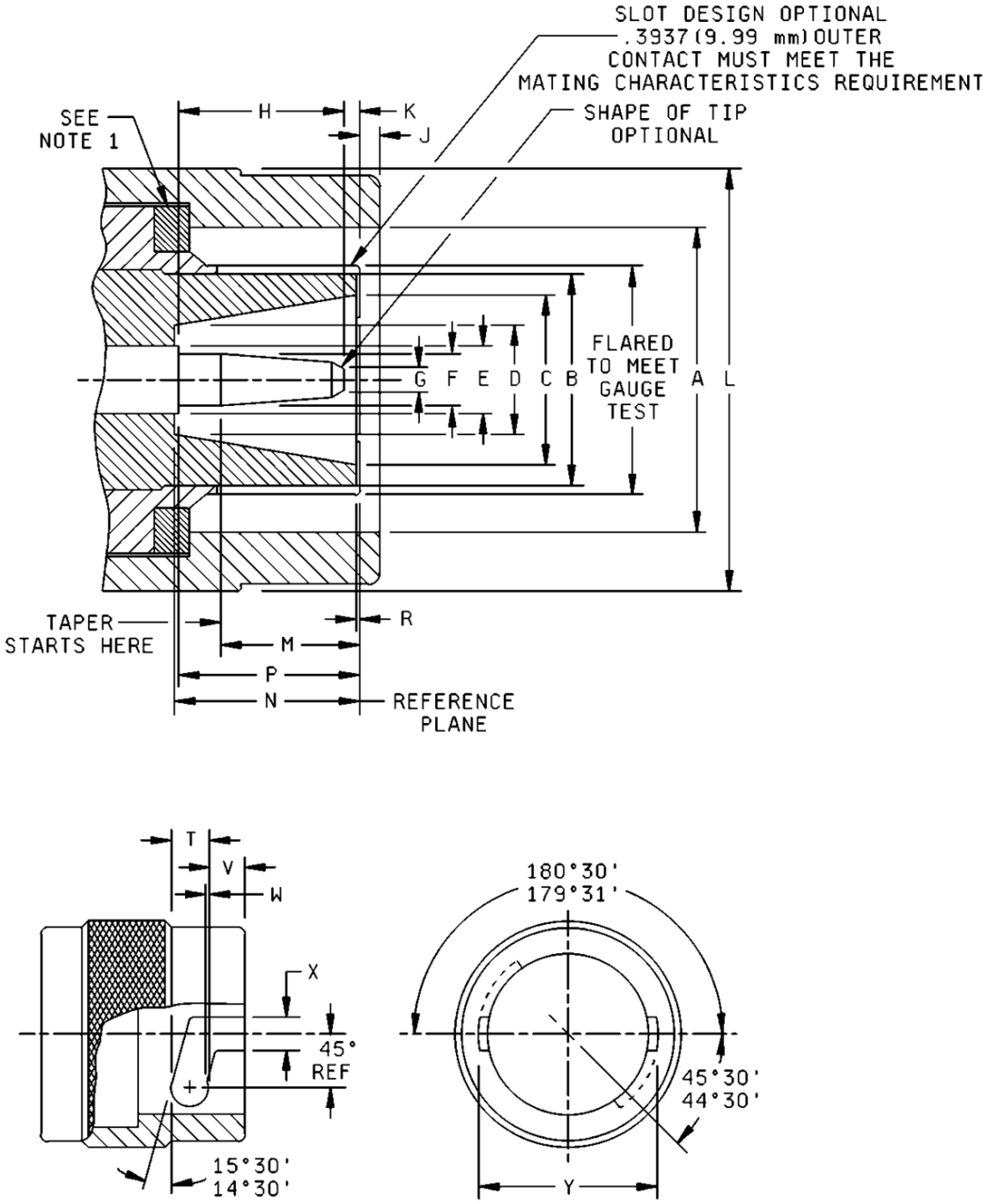


FIGURE 302-1. Interface, series C, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Minimum	Maximum
A	.543 (13.79)	.549 (13.94)
B	.377 (9.58)	--------
C	.276 (7.01)	--------
D	.194 (4.93)	--------
E	.119 (3.02)	.124 (3.15)
F	.090 (2.29)	.092 (2.34)
G	--------	.050 (1.27)
H	.297 (7.54)	.304 (7.72)
J	--------	.085 (2.16)
K	.003 (0.08)	.040 (1.02)
L	--------	.781 (19.84)
M	.191 (4.85)	.251 (6.38)
N	.309 (7.85)	--------
P	.307 (7.80)	.337 (8.56)
R	.007 (0.18)	--------
T	.131 (3.33)	.141 (3.58)
V	.103 (2.62)	.113 (2.87)
W	.010 (0.25)	.016 (0.41)
X	.104 (2.64)	.114 (2.90)
Y	.612 (15.54)	--------

NOTES:
1. In the mated condition, the longitudinal force of the spring of the coupling mechanism shall exceed the pressure exerted by the sealing gasket by an amount necessary to insure butting of the outer contacts at the reference plane.
2. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/6.
3. The ID of the outer contact when inserted into a .411 inch (10.44 mm) maximum ring gauge shall be .377 inch (9.58 mm) minimum.

FIGURE 302-1. Interface, series C, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

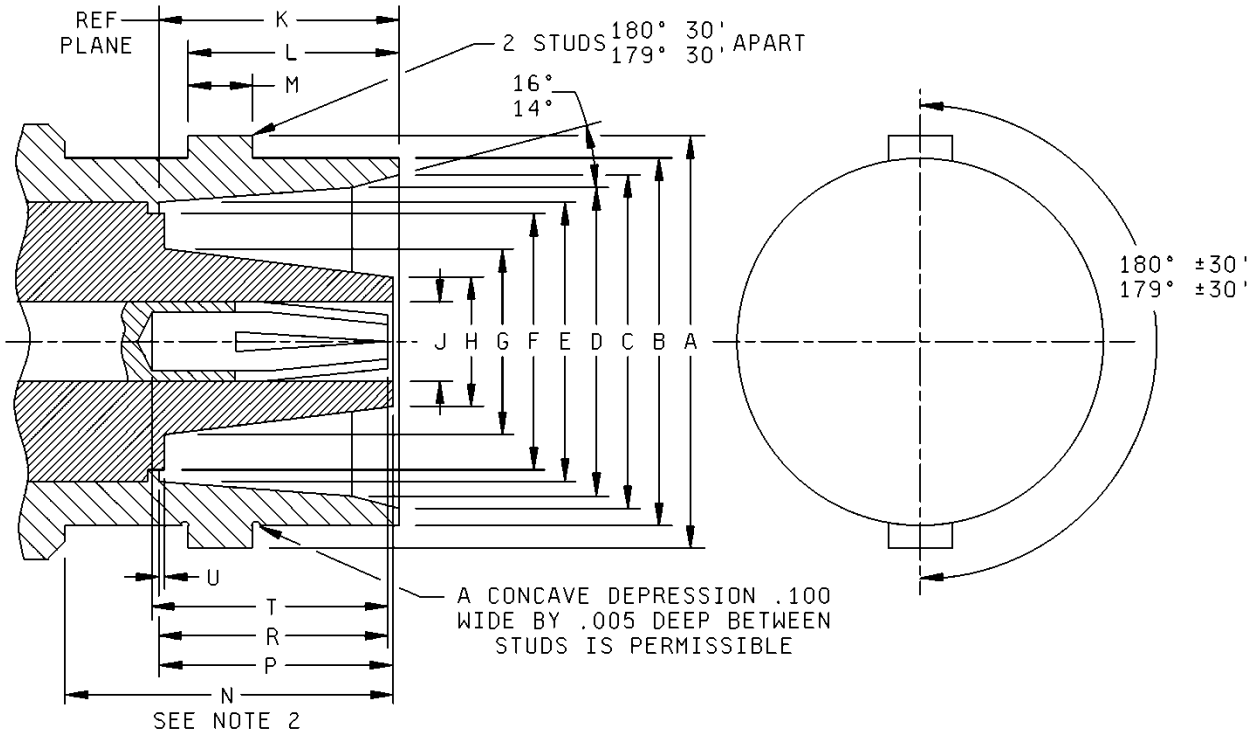


FIGURE 302-2. Interface, series C, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Minimum	Maximum
A	.590 (14.99)	.600 (15.24)
B	.530 (13.46)	.540 (13.72)
C	.485 (12.32)	.495 (12.57)
D	.440 (11.18)	.450 (11.43)
E	.411 (10.44)	.415 (10.54)
F	--------	.374 (9.50)
G	--------	.272 (6.91)
H	--------	.190 (4.83)
J	.119 (3.02)	.124 (3.15)
K	.332 (8.43)	.338 (8.59)
L	.307 (7.80)	.313 (7.95)
M dia.	.088 (2.24)	.098 (2.49)
N	.495 (12.57)	--------
P	--------	.309 (7.85)
R	.273 (6.93)	.303 (7.70)
T	.300 (7.62)	--------
U	--------	.007 (0.18)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/7.
2. Clearance for mating connector coupling nut.

FIGURE 302-2. Interface, series C, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

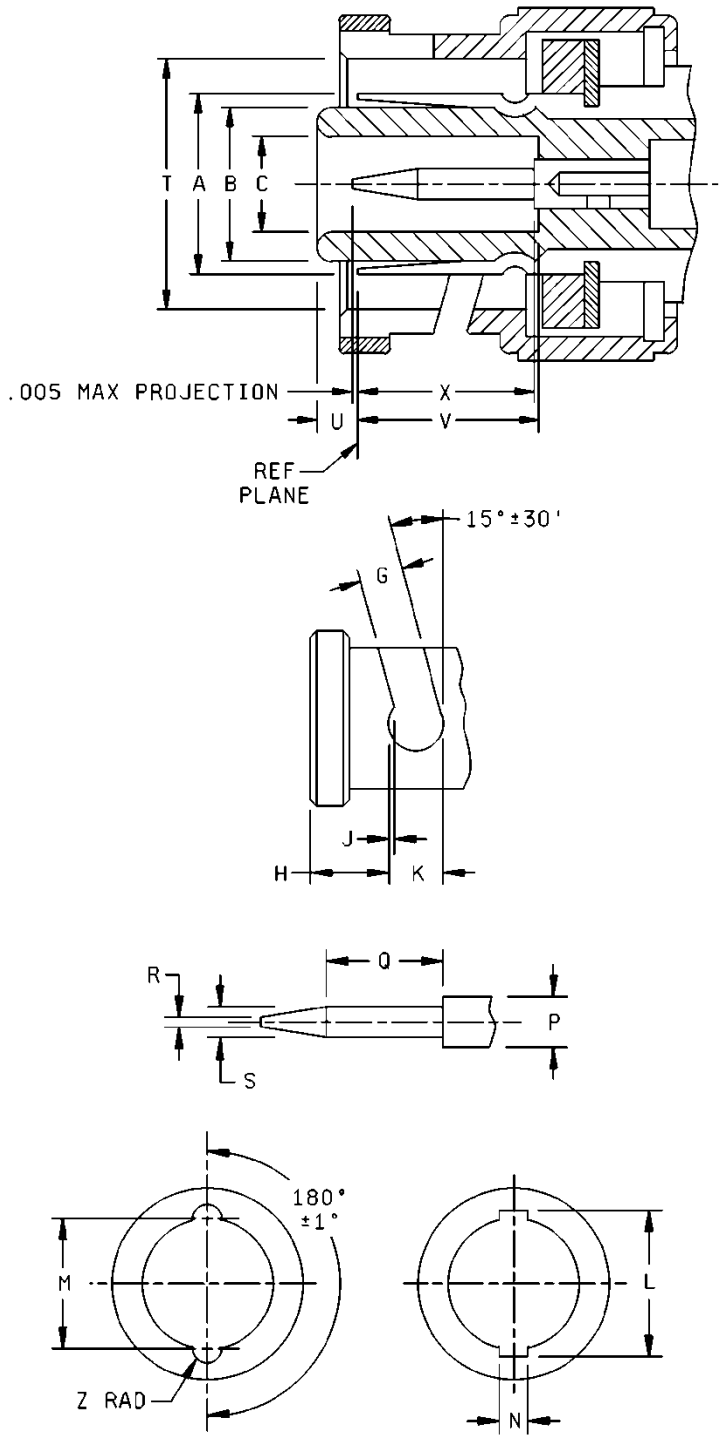


FIGURE 303-1. Interface, series MHV, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	Gauge test	
B	.278 (7.06)	.282 (7.16)
C	.190 (4.83)	.194 (4.93)
G	.091 (2.31)	.097 (2.46)
H	.180 (4.57)	.184 (4.67)
J	.018 (0.46)	.022 (0.56)
K	.124 (3.15)	--------
L	.463 (11.76)	.473 (12.01)
M	.394 (10.01)	.400 (10.16)
N	.091 (2.31)	.097 (2.46)
P	.089 (2.26)	.091 (2.31)
Q	.207 (5.26)	--------
R	--------	.025 (0.64)
S	.052 (1.32)	.054 (1.37)
T	.385 (9.78)	.390 (9.91)
U	---------	.086 (2.18)
V	.302 (7.67)	---------
X	.300 (7.62)	---------
Z	.045 (1.14)	.049 (1.24)

NOTE: This interface shall meet the gauge requirements as specified in MIL-PRF-39012/100.

FIGURE 303-1. Interface, series MHV, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

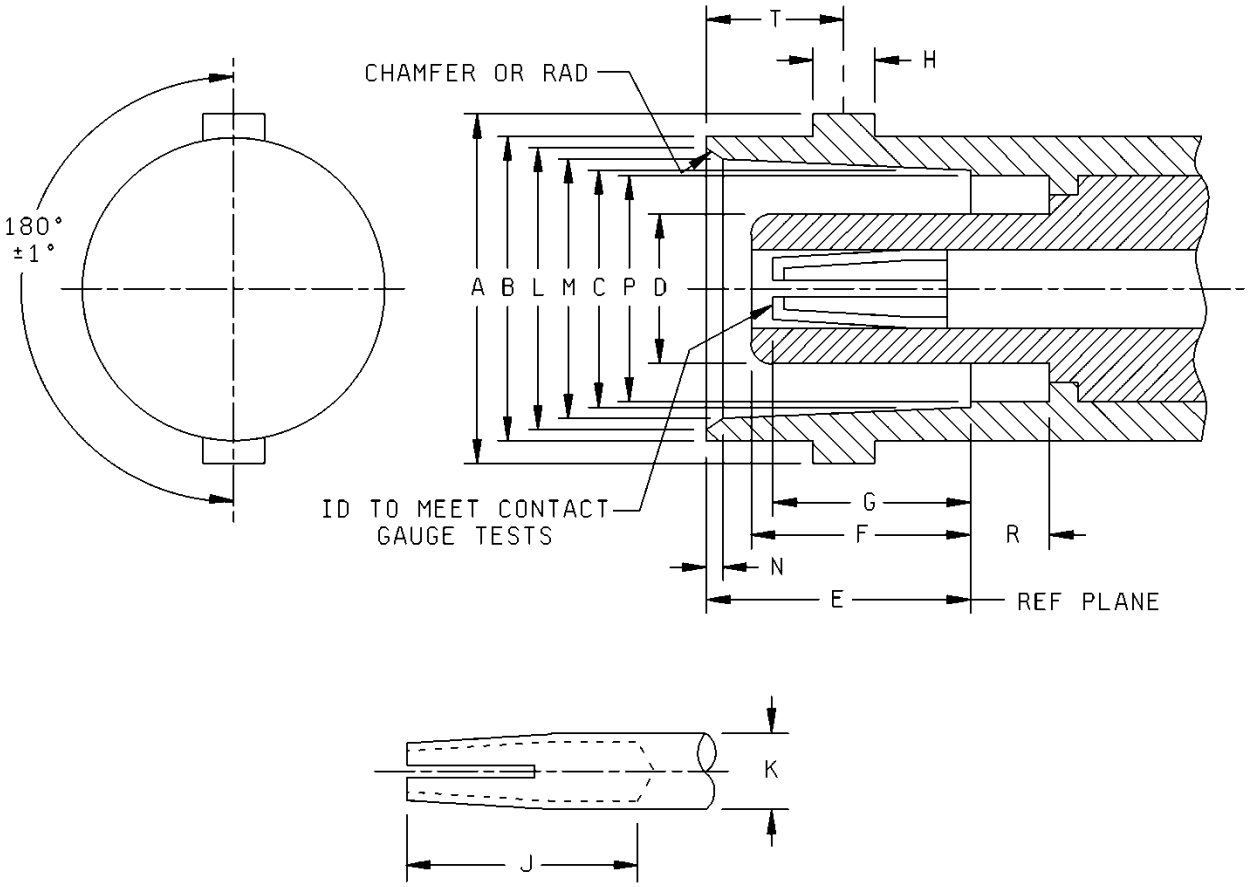


FIGURE 303-2. Interface, series MHV, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.432 (10.97)	.436 (11.07)
B	.378 (9.60)	.382 (9.70)
C	.319 (8.10)	.321 (8.15)
D	--------	.186 (4.72)
E	.327 (8.31)	.335 (8.51)
F	.289 (7.34)	.311 (7.90)
G	.253 (6.43)	.280 (7.11)
H	.075 (1.91)	.081 (2.06)
J	.270 (6.86)	---------
K	.081 (2.06)	.091 (2.31)
L	.346 (8.79)	.356 (9.04)
M	.327 (8.31)	.333 (8.46)
N	.015 (.38)	.030 (0.76)
P	.284 (7.21)	.290 (7.37)
R	.086 (2.18)	---------
T	.165 (4.19)	.169 (4.29)

FIGURE 303-2. Interface, series MHV, socket contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

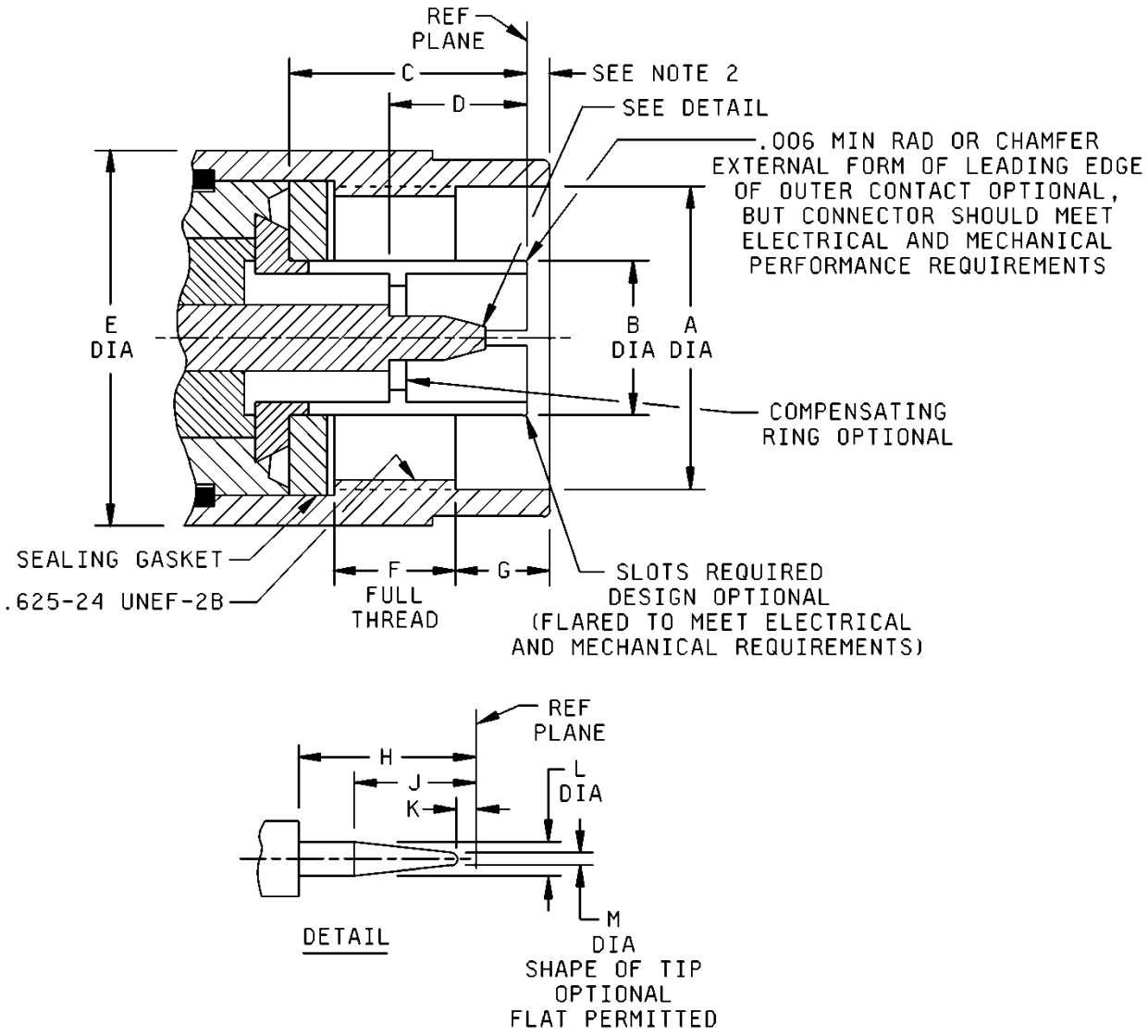


FIGURE 304-1. Interface, series N, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A Dia.	.630 (16.00)	--------
B Dia.	--------	.330 (8.38)
C	.398 (10.11)	.412 (10.46)
D	.210 (5.33)	.230 (5.84)
E Dia.	--------	.827 (21.01)
F	.177 (4.50)	--------
G	.158 (4.01)	.168 (4.27)
H	.210 (5.33)	--------
J	.110 (2.79)	.140 (3.56)
K	.003 (.08)	-------
L	.063 (1.60)	.066 (1.68)
M	--------	.010 (0.25)

NOTE:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/1.
2. When nut is biased fully forward, the maximum dimension permitted is .060 inch (1.52 mm). When nut is biased fully back, the minimum dimension permitted is .016 inch (0.41 mm).

FIGURE 304-1. Interface, series N, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

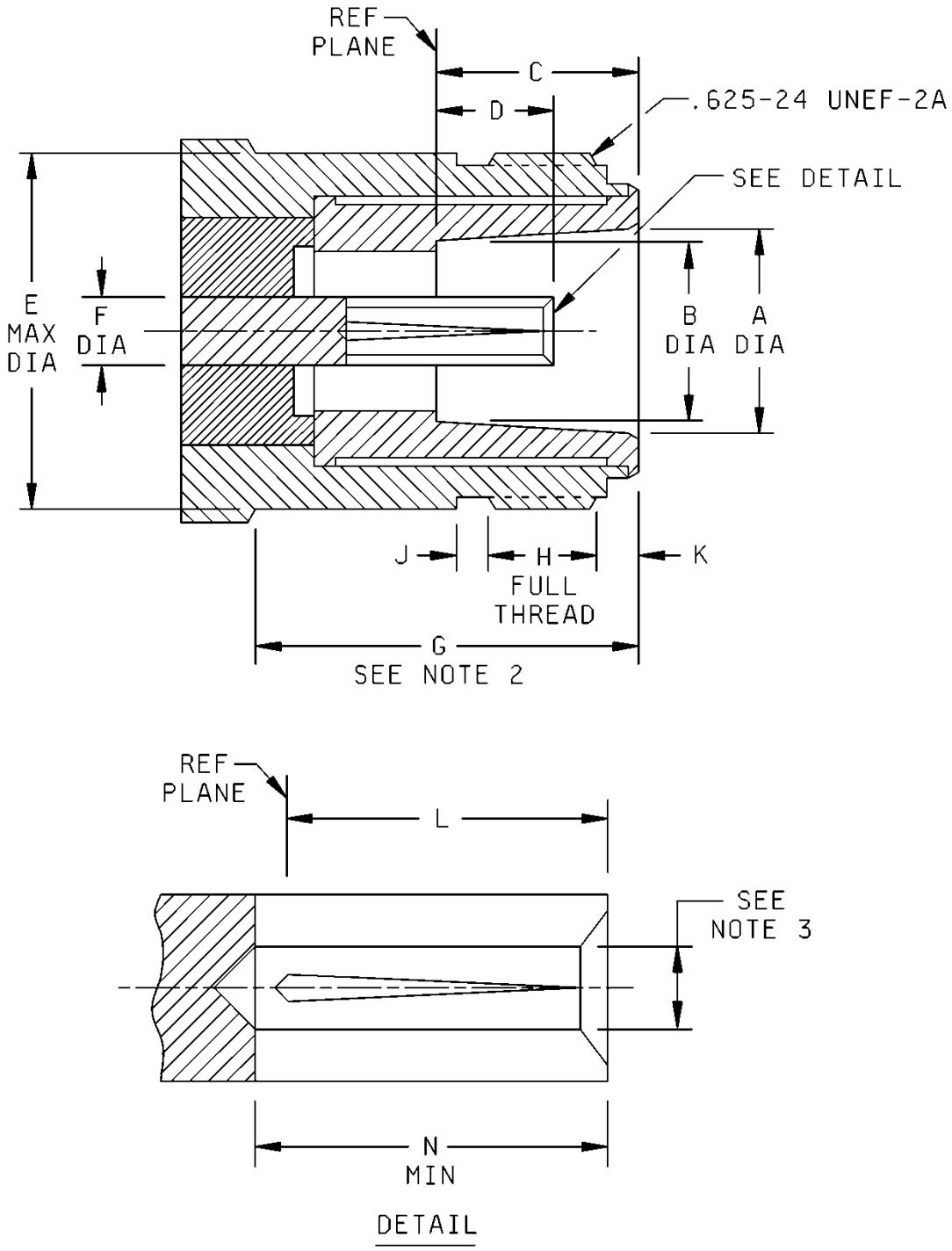


FIGURE 304-2. Interface, series N, socket contact.

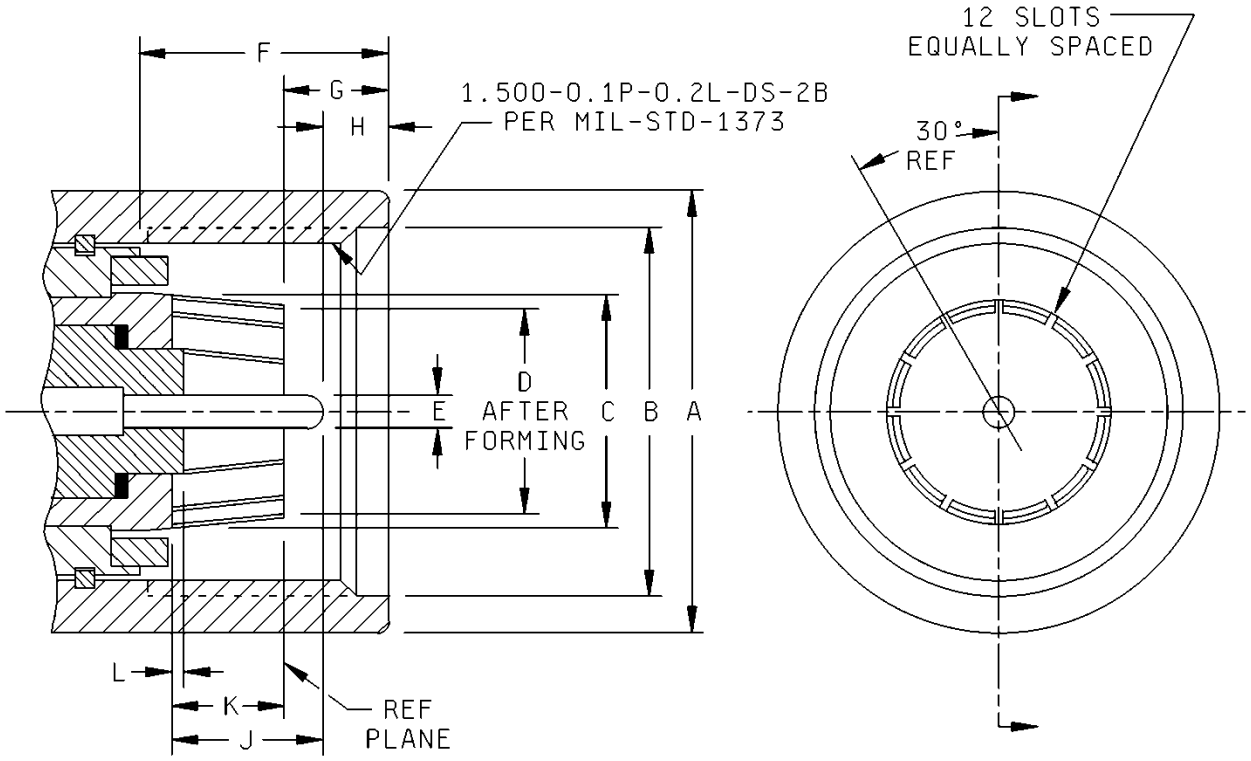
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.336 (8.53)	.344 (8.74)
B	.316 (8.03)	.320 (8.13)
C	.356 (9.04)	.362 (9.19)
D	.187 (4.75)	.207 (5.26)
E	--------	.627 (15.93)
F	.119 (3.02)	.124 (3.15)
G	.422 (10.72)	--------
H	.172 (4.37)	.220 (5.59)
J	.047 (1.19)	.077 (1.96)
K	.047 (1.19)	.077 (1.96)
L	.187 (4.75)	.207 (5.26)
N	.210 (5.33)	--------

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/2.
2. Clearance for mating connector coupling nut.
3. To meet VSWR, mating characteristics, contact resistance and connector durability when mated with a .063/.066 diameter pin.

FIGURE 304-2. Interface, series N, socket contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	1.740 (44.20)	1.760 (44.70)
B	1.537 (39.04)	1.543 (39.19)
C	1.060 (26.92)	1.064 (27.03)
D	.964 (24.49)	.974 (24.74)
E	.194 (4.93)	.196 (4.98)
F	.836 (21.23)	.856 (21.74)
G	.372 (9.45)	.392 (9.96)
H	.271 (6.88)	.291 (7.39)
J	.551 (14.00)	.571 (14.50)
K	.370 (9.40)	.380 (9.65)
L	.001 (0.03)	.013 (0.33)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/44.

FIGURE 305-1. Interface, series QL, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

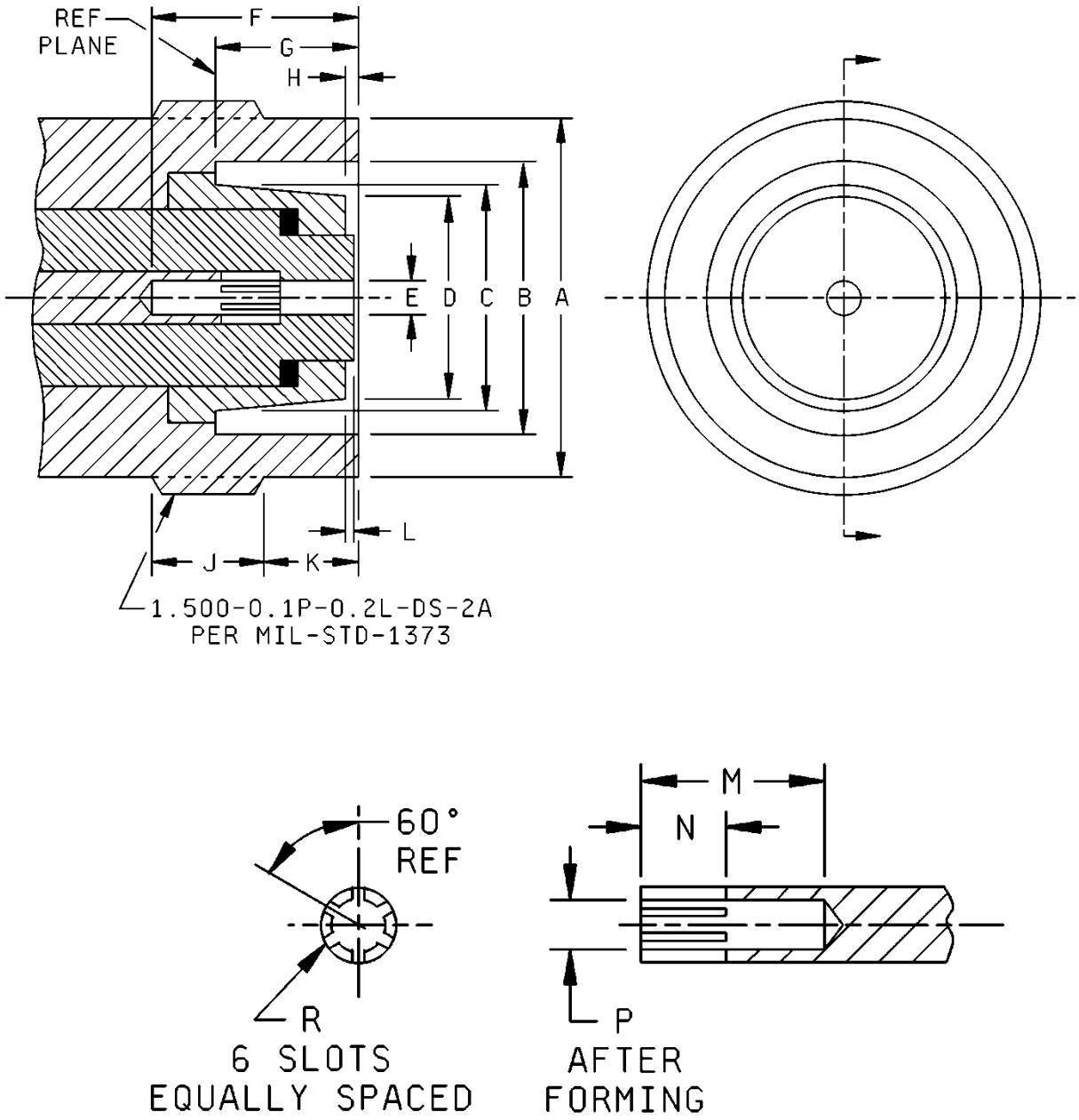


FIGURE 305-2. Interface, series QL, socket contact.

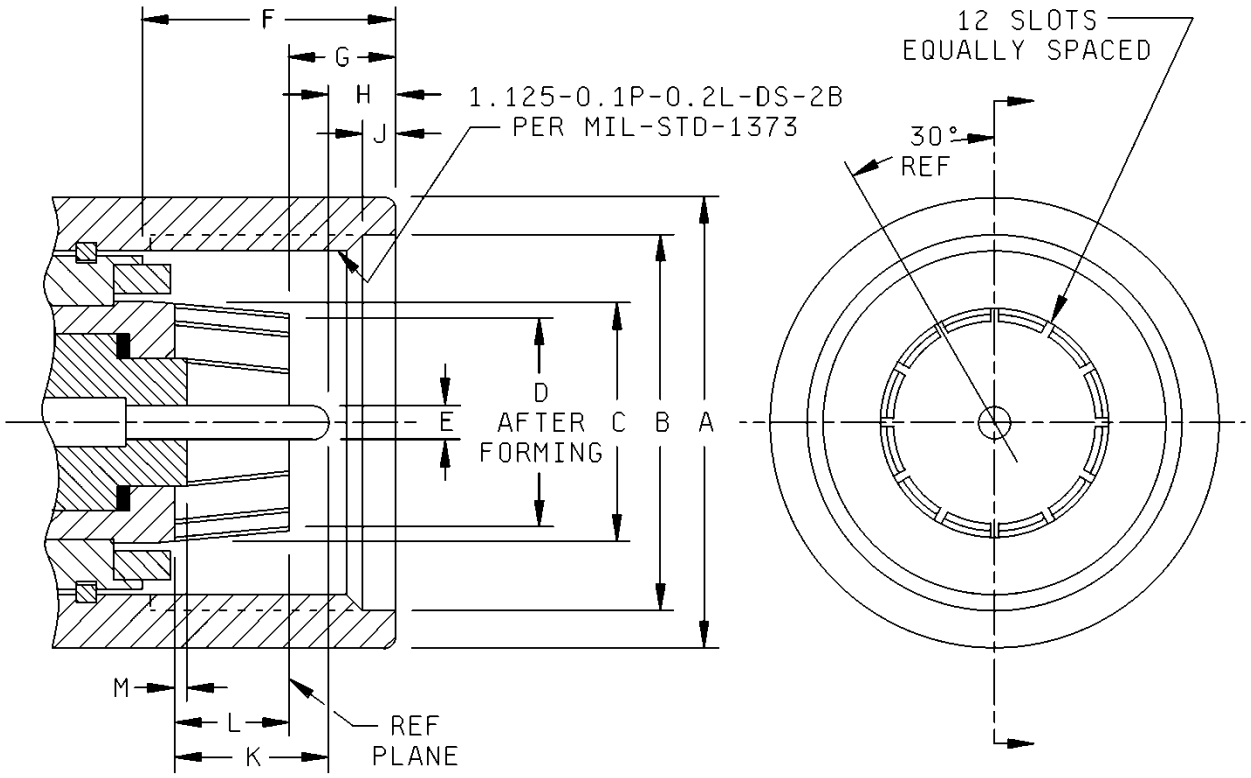
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	1.404 (35.66)	1.408 (35.76)
B	1.100 (27.94)	1.120 (28.45)
C	1.998 (50.75)	1.002 (25.45)
D	.936 (23.77)	.940 (23.88)
E	.191 (4.85)	.195 (4.95)
F	.763 (19.38)	.783 (19.89)
G	.465 (11.81)	.485 (12.32)
H	.062 (1.57) Reference	
J	.302 (7.67)	.322 (8.18)
K	.302 (7.67)	.322 (8.18)
L	.001 (0.03)	.013 (0.33)
M	.490 (12.45)	.510 (12.95)
N	.240 (6.10)	.260 (6.60)
P	.187 (4.75)	.189 (4.80)
R	.014 (0.36)	.018 (0.46)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/45.

FIGURE 305-2. Interface, series QL, socket contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	1.365 (34.67)	1.385 (35.18)
B	1.161 (29.49)	1.167 (29.64)
C	.701 (17.81)	.705 (17.91)
D	.611 (15.52)	.613 (15.57)
E	.105 (2.67)	.107 (2.72)
F	.683 (17.35)	.703 (17.86)
G	.258 (6.55)	.278 (7.06)
H	.142 (3.61)	.162 (4.11)
J	.147 (3.73)	.167 (4.24)
K	.510 (12.95)	.530 (13.46)
L	.339 (8.61)	.349 (8.86)
M	.001 (0.03)	.013 (0.33)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/48.

FIGURE 306-1. Interface, series QM, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

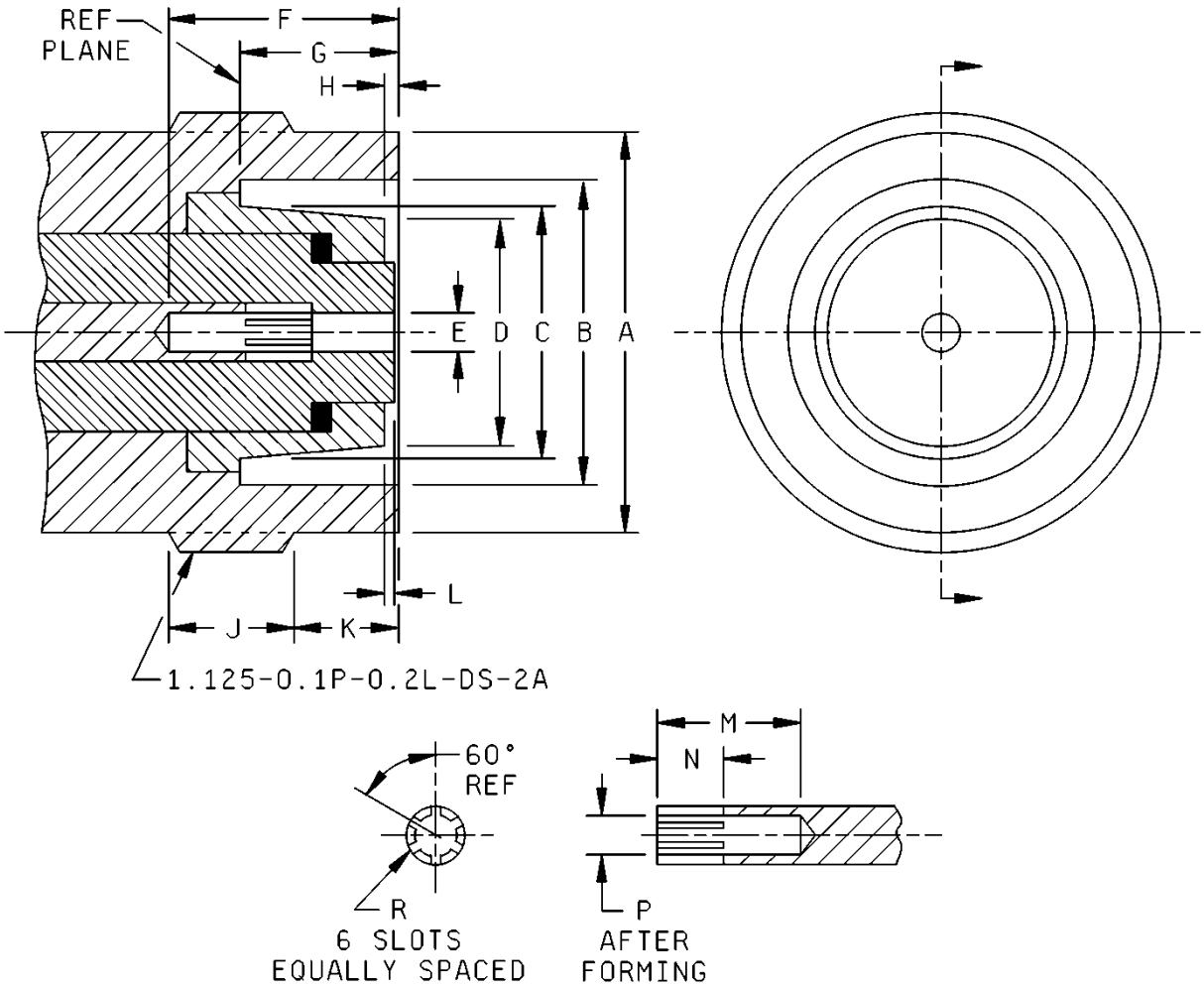


FIGURE 306-2. Interface, series QM, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	1.029 (26.14)	1.033 (26.24)
B	.720 (18.29)	.760 (19.30)
C	.639 (16.23)	.643 (16.33)
D	.592 (15.04)	.596 (15.14)
E	.100 (2.54)	.104 (2.64)
F	.580 (14.73)	.600 (15.24)
G	.411 (10.44)	.431 (10.95)
H	.036 (0.91)	.056 (1.42)
J	.302 (7.67)	.322 (8.18)
K	.209 (5.31)	.229 (5.82)
L	.001 (0.03)	.013 (0.33)
M	.365 (9.27)	.385 (9.78)
N	.165 (4.19)	.185 (4.70)
P	.101 (2.57)	.103 (2.62)
R	.008 (0.20)	.012 (0.30)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/49.

FIGURE 306-2. Interface, series QM, socket contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

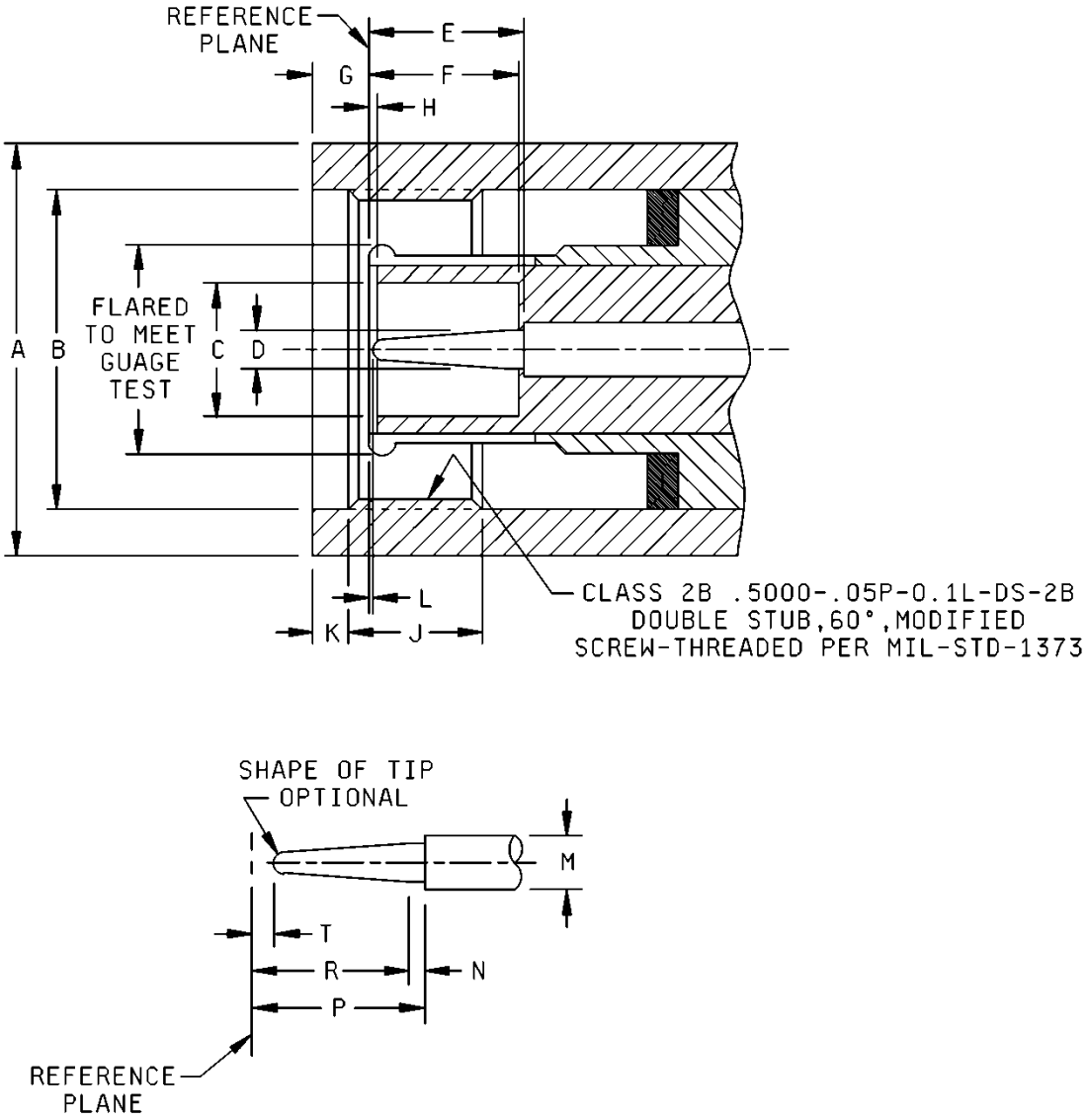


FIGURE 307-1. Interface, series QNC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.640 (16.26)	.660 (16.76)
B	.516 (13.11)	.519 (13.18)
C	.190 (4.83)	--------
D	.052 (1.32)	.054 (1.37)
E	.210 (5.33)	--------
F	.208 (5.28)	--------
G	--------	.140 (3.56)
H	.006 (0.15)	--------
J	.271 (6.88)	.291 (7.39)
K	.088 (2.24)	.098 (2.49)
L	.003 (0.08)	--------
M	.081 (2.06)	.087 (2.21)
N	.003 (0.08)	--------
P	.210 (5.33)	--------
R	.120 (3.05)	.155 (3.94)
T	.003 (0.08)	--------

FIGURE 307-1. Interface, series QNC, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

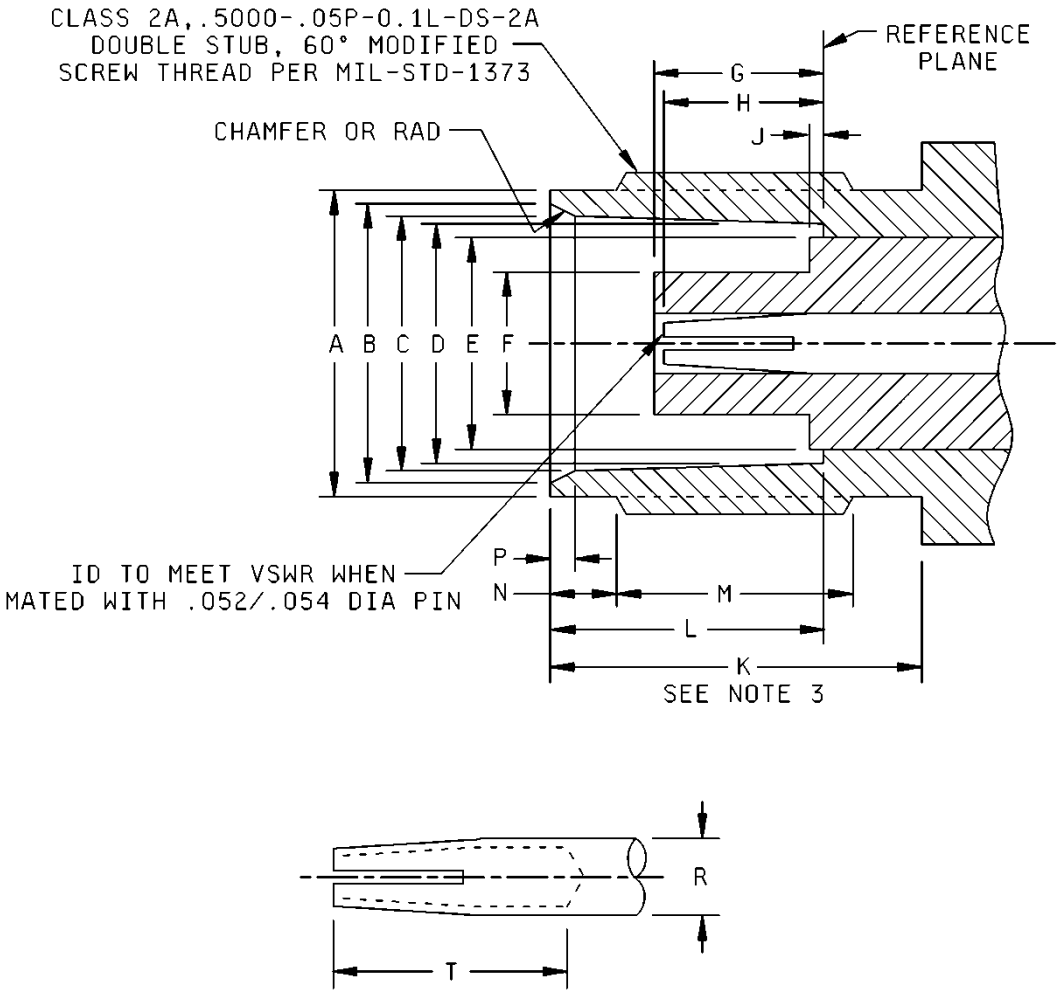


FIGURE 307-2. Interface, series QNC, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.446 (11.33)	.449 (11.40)
B	.345 (8.76)	.356 (9.04)
C	.327 (8.31)	.333 (8.46)
D	.319 (8.10)	.321 (8.15)
E	--------	.256 (6.50)
F	--------	.186 (4.72)
G	--------	.208 (5.28)
H	--------	.206 (5.23)
J	--------	.006 (0.15)
K	--------	.477 (12.12)
L	.327 (8.31)	.335 (8.51)
M	.271 (6.88)	.291 (7.39)
N	.088 (2.24)	.098 (2.49)
P	.015 (0.38)	.030 (0.76)
R	.081 (2.06)	.087 (2.21)
T	.195 (4.95)	--------

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/89.
2. The .256 dimension applies to that portion (if applicable) of the dielectric which protrudes beyond the metal shoulder (or reference plane) by dimension .006.
3. Clearance for mating connector coupling nut.

FIGURE 307-2. Interface, series QNC, socket contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

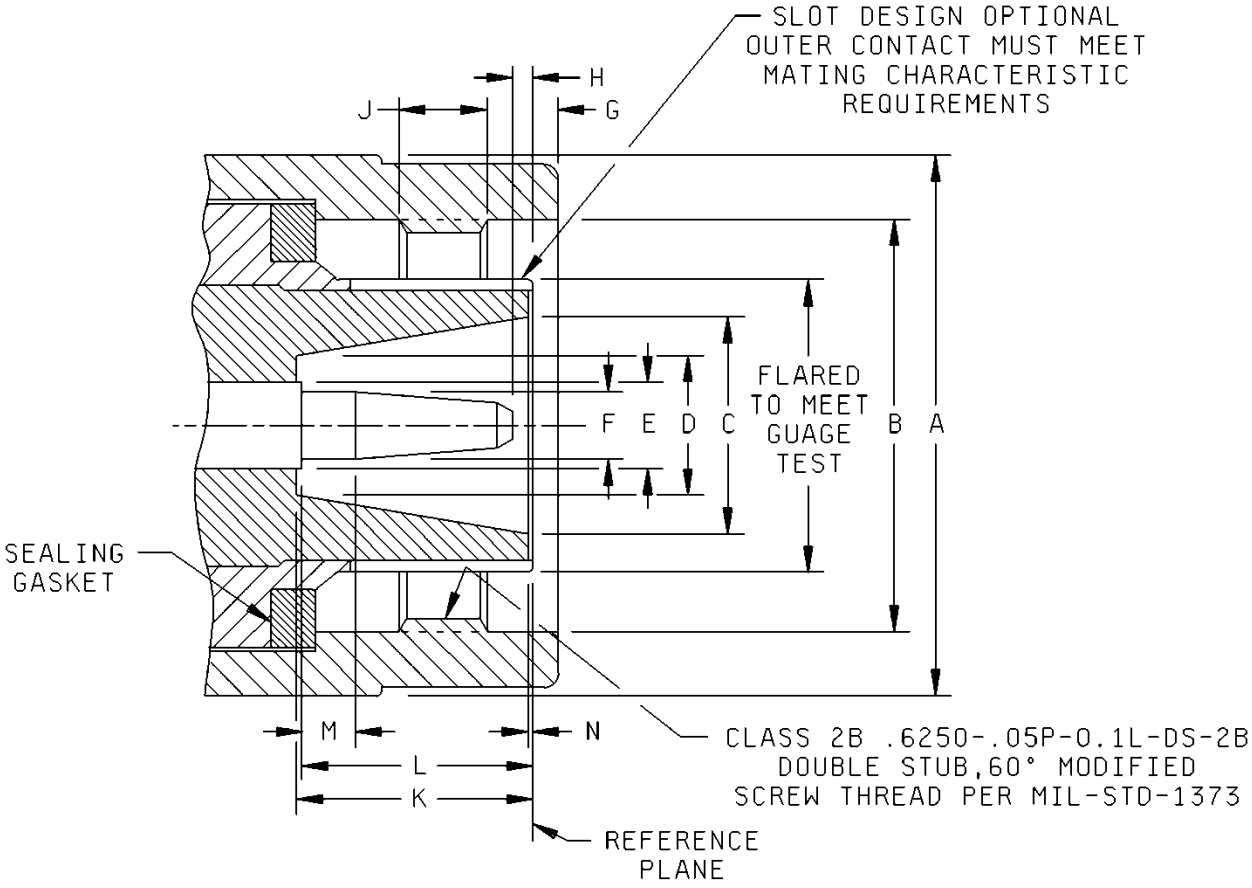


FIGURE 308-1. Interface, series QSC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	--------	.781 (19.84)
B	.642 (16.31)	.645 (16.38)
C	.276 (7.01)	--------
D	.194 (4.93)	--------
E	.119 (3.02)	.124 (3.15)
F	.090 (2.29)	.092 (2.34)
G	.088 (2.24)	.098 (2.49)
H	.003 (0.08)	--------
J	.271 (6.88)	.291 (7.39)
K	.309 (7.85)	--------
L	.307 (7.80)	.337 (8.56)
M	.093 (2.36)	--------
N	.007 (0.18)	--------

NOTE: This interface shall meet the gauge requirements as specified in MIL-PRF-39012/84.

FIGURE 308-1. Interface, series QSC, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

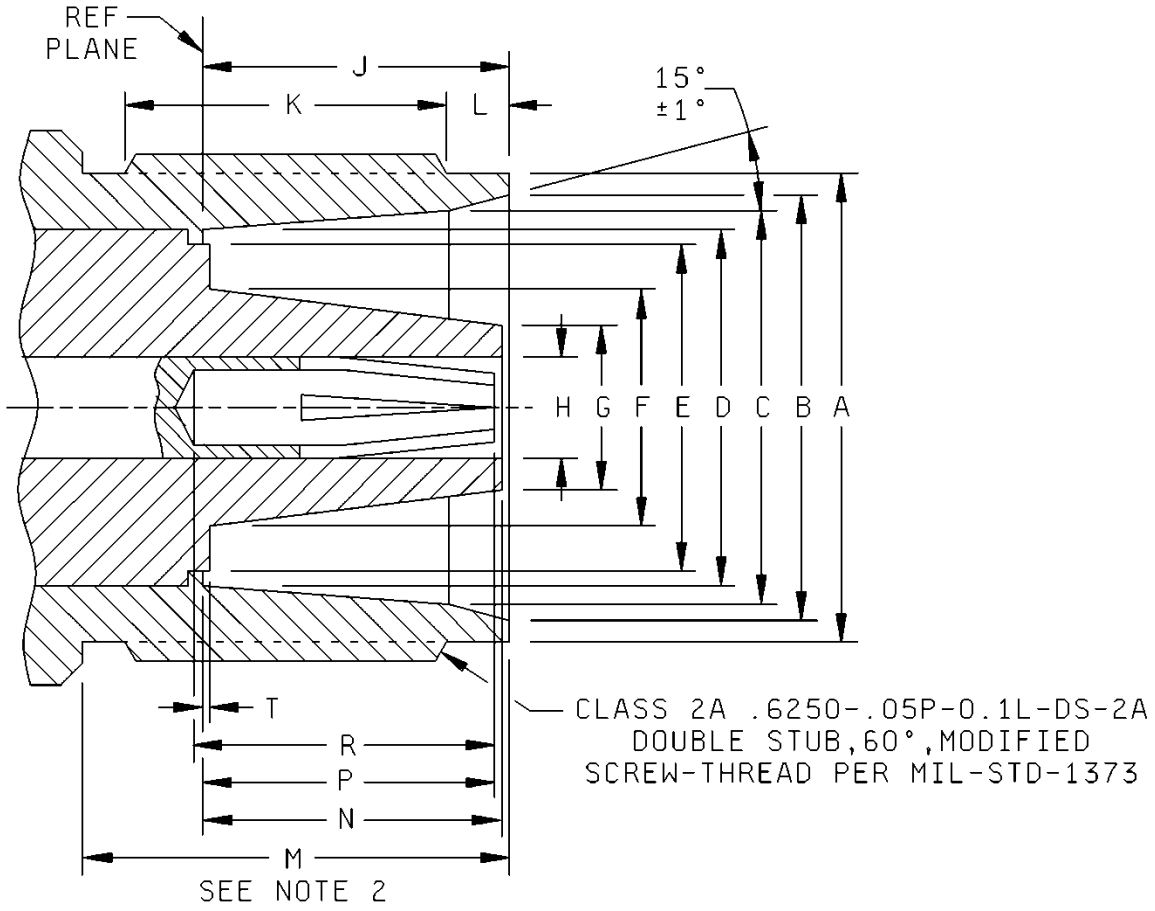


FIGURE 308-2. Interface, series QSC, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.571 (14.50)	.574 (14.58)
B	.485 (12.32)	.495 (12.57)
C	.440 (11.18)	.450 (11.43)
D	.411 (10.44)	.416 (10.57)
E	--------	.374 (9.50)
F	--------	.272 (6.91)
G	--------	.190 (4.83)
H	.119 (3.02)	.124 (3.15)
J	.332 (8.43)	.338 (8.59)
K	.271 (6.88)	.291 (7.39)
L	.088 (2.24)	.098 (2.49)
M	.495 (12.57)	--------
N	--------	.309 (7.85)
P	--------	.303 (7.70)
R	--------	.325 (8.26)
T	--------	.007 (0.18)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/85.
2. Clearance for mating connector coupling nut.

FIGURE 308-2. Interface, series QSC, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

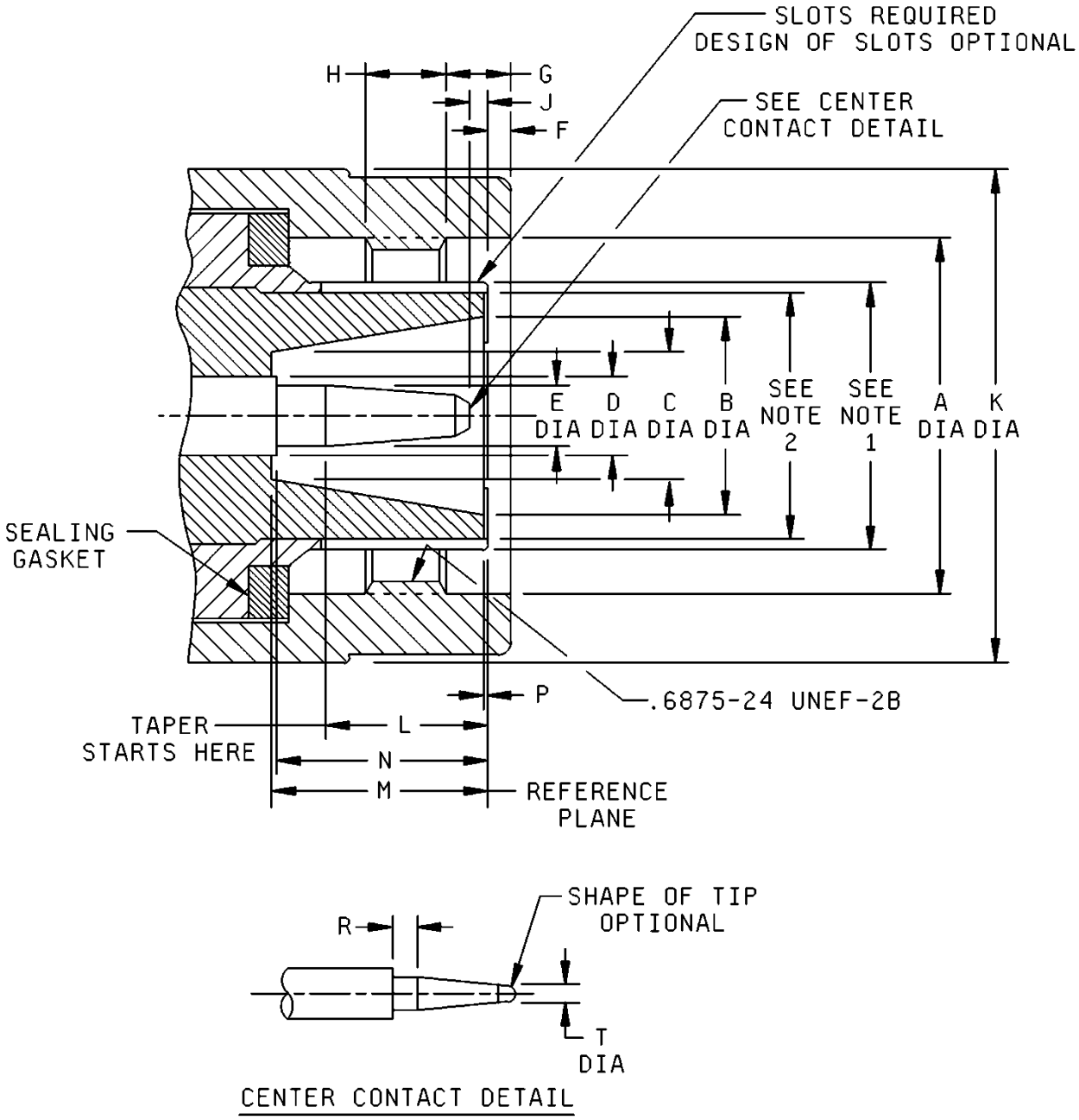


FIGURE 309-1. Interface, series SC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.690 (14.99)	--------
B	.276 (7.01)	--------
C	.194 (4.93)	--------
D	.119 (3.02)	.124 (3.15)
E	.090 (2.29)	.092 (2.34)
F	.025 (.64)	.085 (2.16)
G	.213 (5.41)	.223 (5.66)
H	.250 (6.35)	--------
J	.003 (0.08)	.040 (1.02)
K	--------	.828 (21.03)
L	.191 (4.85)	.251 (6.38)
M	.309 (7.85)	--------
N	.307 (7.80)	.337 (8.56)
P	.007 (0.18)	--------
R	.093 (2.36)	--------
T	--------	.050 (1.27)

NOTES:

1. This interface shall be flared to meet gauge requirements as specified in MIL-PRF-39012.
2. The ID of outer contact when inserted into a .411 inch (10.44 mm) maximum ring gauge shall be .377 inch (9.58 mm) minimum.

FIGURE 309-1. Interface, series SC, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

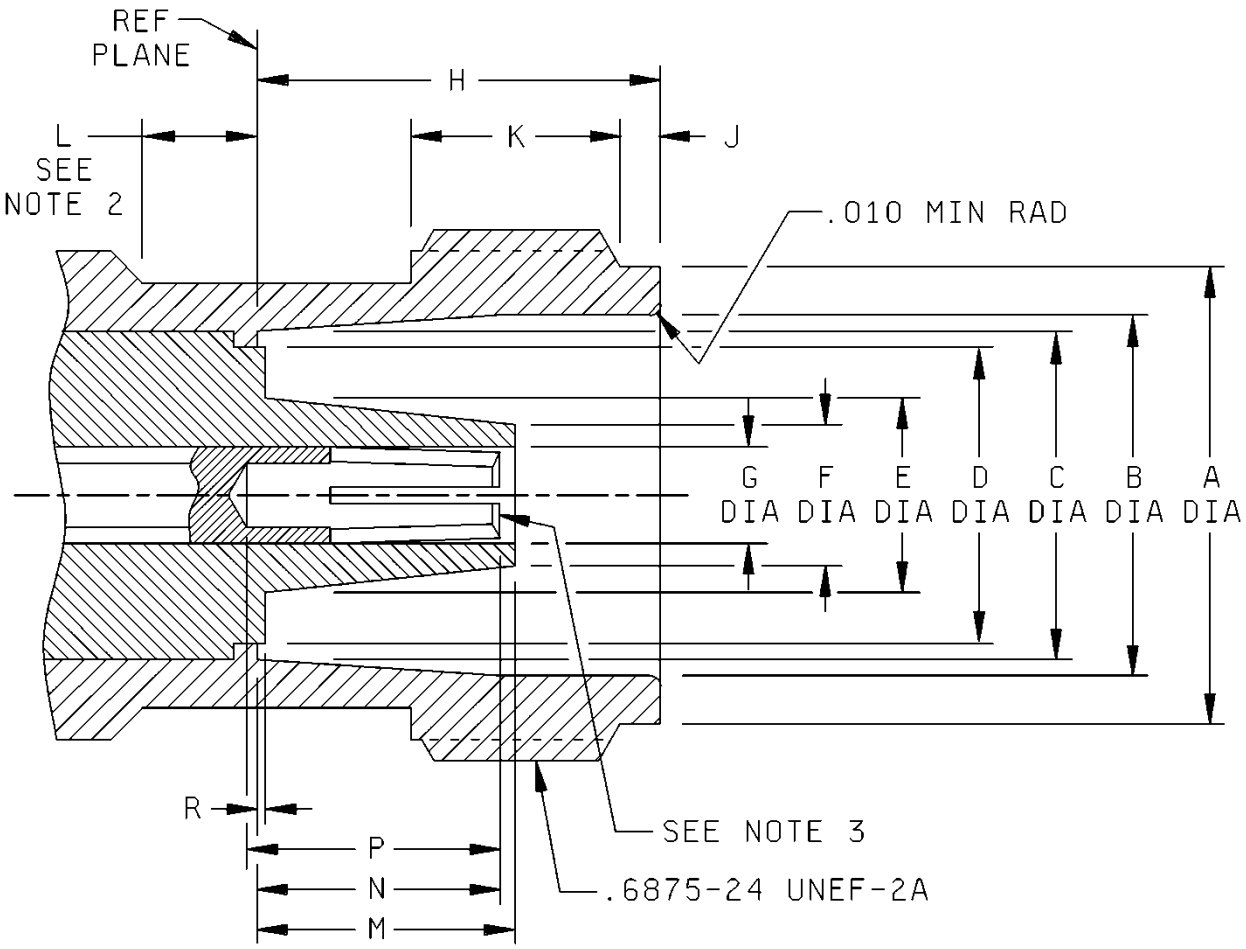


FIGURE 309-2. Interface, series SC, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	--------	.630 (16.00)
B	.482 (12.24)	.498 (12.65)
C	.411 (10.44)	.415 (10.54)
D	--------	.374 (9.50)
E	--------	.272 (6.91)
F	--------	.190 (4.83)
G	.119 (3.02)	.124 (3.15)
H	.491 (12.47)	.495 (12.57)
J	.047 (1.19)	.077 (1.96)
K	.250 (6.35)	--------
L	.140 (3.56)	--------
M	--------	.309 (7.85)
N	.273 (6.93)	.303 (7.70)
P	.300 (7.62)	---------
R	--------	.007 (0.18)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/40.
2. Clearance for mating connector coupling nut.
3. Interface shall meet the mechanical and electrical performance requirements when mated with a .090 (2.29 mm)/.092 (2.34 mm) male pin.

FIGURE 309-2. Interface, series SC, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

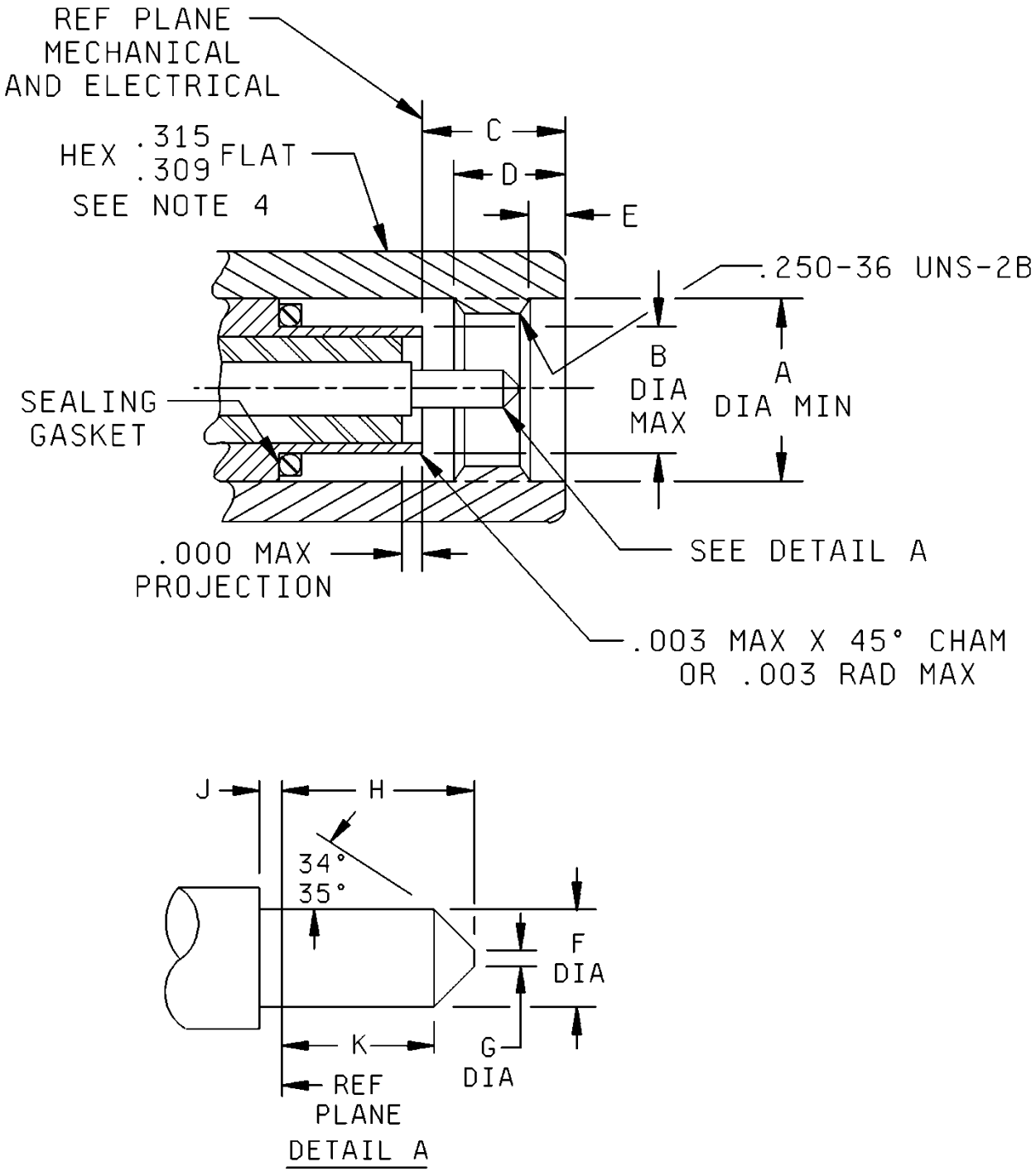


FIGURE 310-1. Interface, series SMA, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.255 (6.48)	--------
B	--------	.1808 (4.59)
C	--------	.135 (3.43)
D	.130 (3.30)	--------
E	.015 (0.38)	.045 (1.14)
F	.0355 (0.90)	.0370 (0.94)
G	--------	.012 (0.30)
H	---------	.100 (2.54)
J	.000 (0.00)	---------
K	.050 (1.27)	---------

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Connector interfaces (after mating) shall be kept free from dust and moisture.
4. May extend throughout the full length of the coupling nut.

FIGURE 310-1. Interface, series SMA, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

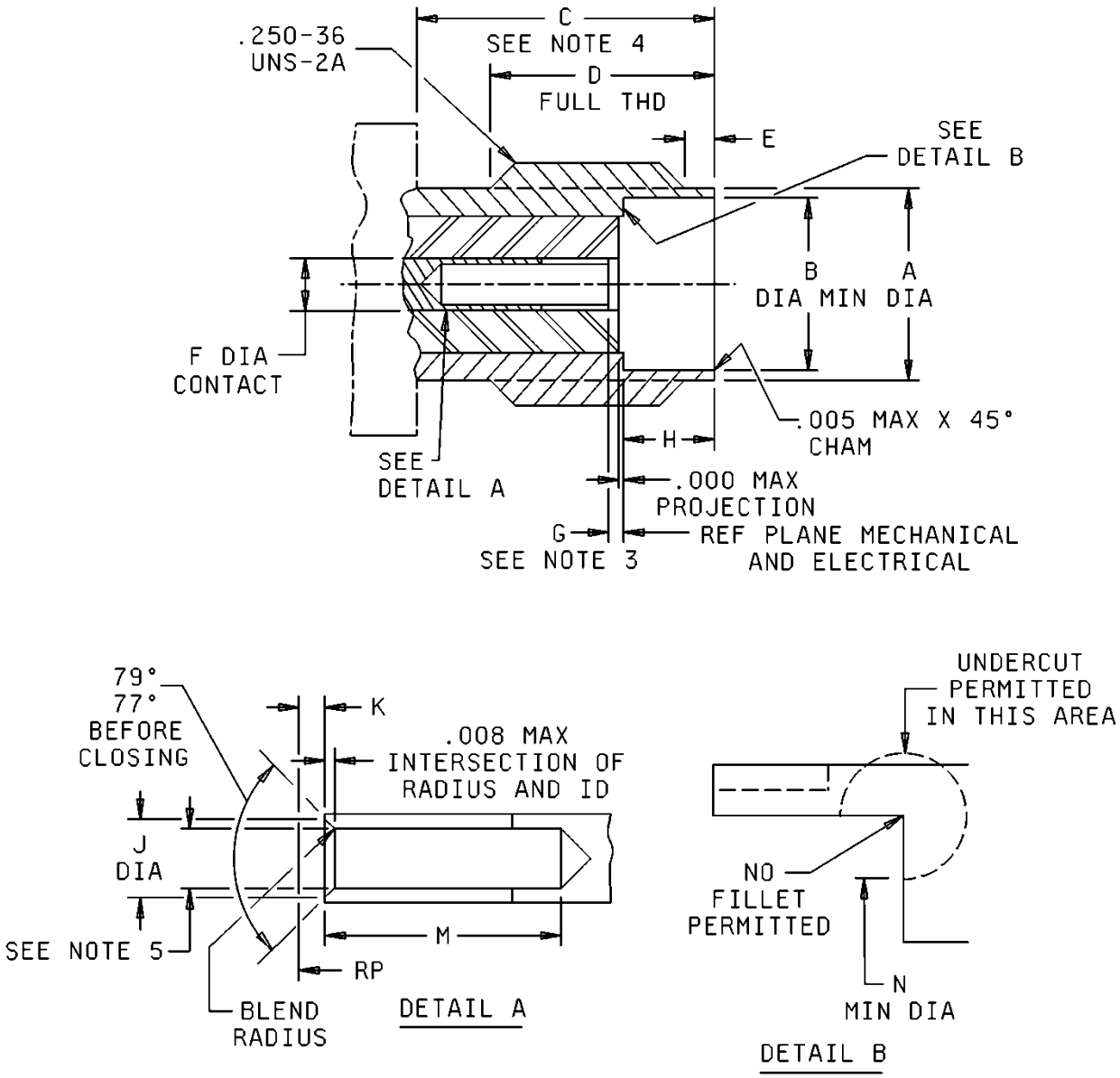


FIGURE 310-2. Interface, series SMA, socket contact.

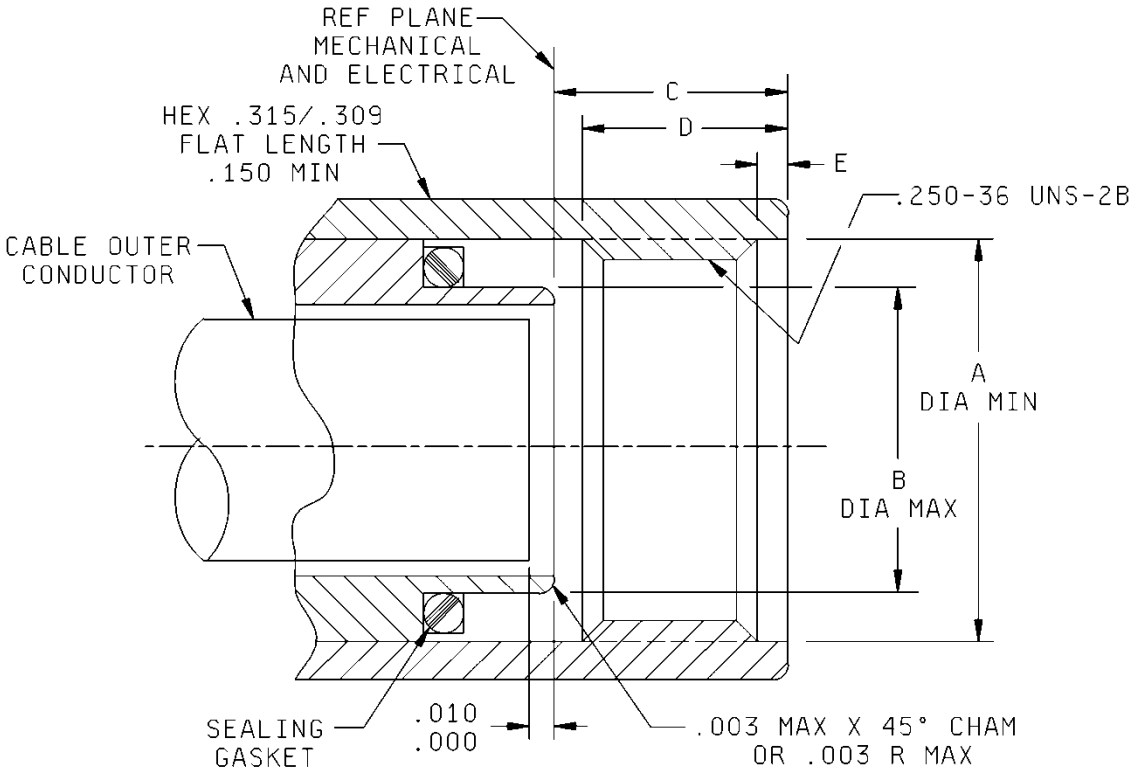
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.208 (5.28)	.216 (5.49)
B	.1810 (4.60)	--------
C	.218 (5.54)	--------
D	.170 (4.32)	--------
E	.015 (0.38)	.045 (1.14)
F	.049 (1.24)	.051 (1.30)
G	.000 (0.00)	.010 (0.25)
H	.074 (1.88)	.078 (1.98)
J	.043 (1.09)	.047 (1.19)
K	.000 (0.00)	.010 (0.25)
M	.105 (2.67)	--------
N	.168 (4.27)	--------

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are for information only.
3. Previously qualified parts using a .030 inch (0.76) maximum contact recession are not acceptable for Government use. Caution should be exercised to determine whether a .030 recession design is being used during maintenance and part replacement.
4. Clearance for mating connector coupling nut.
5. Dimension to meet VSWR, mating characteristics, and connector durability when mated with a +.0355/-.0370 inch diameter pin.

FIGURE 310-2. Interface, series SMA, socket contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.255 (6.48)	--------
B	--------	.1808 (4.59)
C	--------	.135 (3.43)
D	.130 (3.30)	--------
E	.015 (0.38)	.045 (1.14)

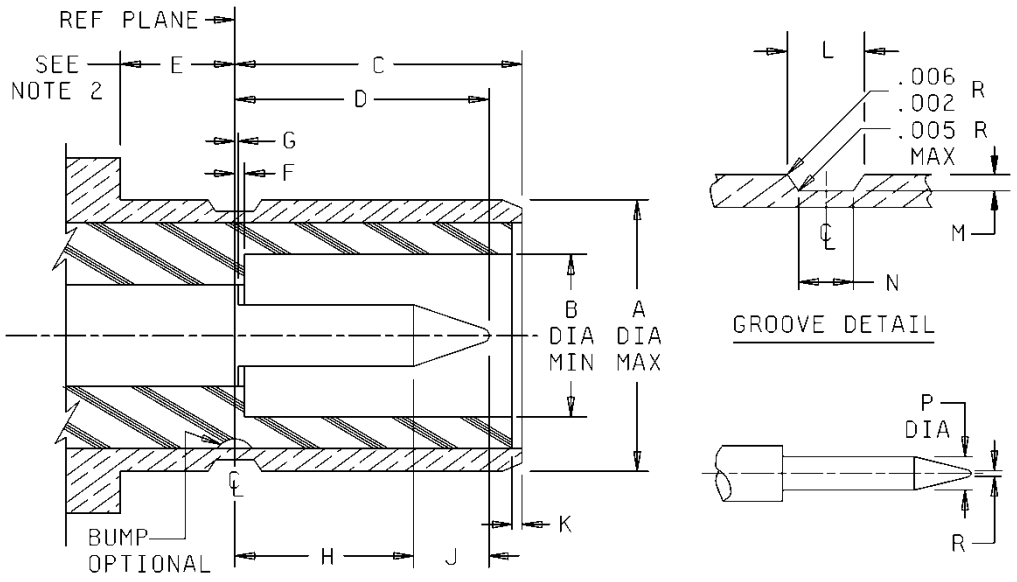
NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Reference MIL-PRF-39012/92 for cable stripping dimensions.

FIGURE 310-3. Interface, series SMA, no contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
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Check the source to verify that this is the current version before use.



Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	--------	.146 (3.71)
B	.082 (2.08)	--------
C	.131 (3.33)	.141 (3.58)
D	.094 (2.39)	.117 (2.97)
E	.065 (1.65)	--------
F	--------	.007 (0.18)
G	--------	.007 (0.18)
H	.052 (1.32)	--------
J	.010 (0.25)	--------
K	.000 (0.00)	--------
L	.027 (0.69)	.037 (0.94)
M	.006 (0.15)	.010 (0.25)
N	.011 (0.28)	.015 (0.38)
P	.019 (0.48)	.021 (0.53)
R	--------	.010 (0.25)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/68.
2. Clearance for mating connector coupling nut.

FIGURE 311-1. Interface, series SMB, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

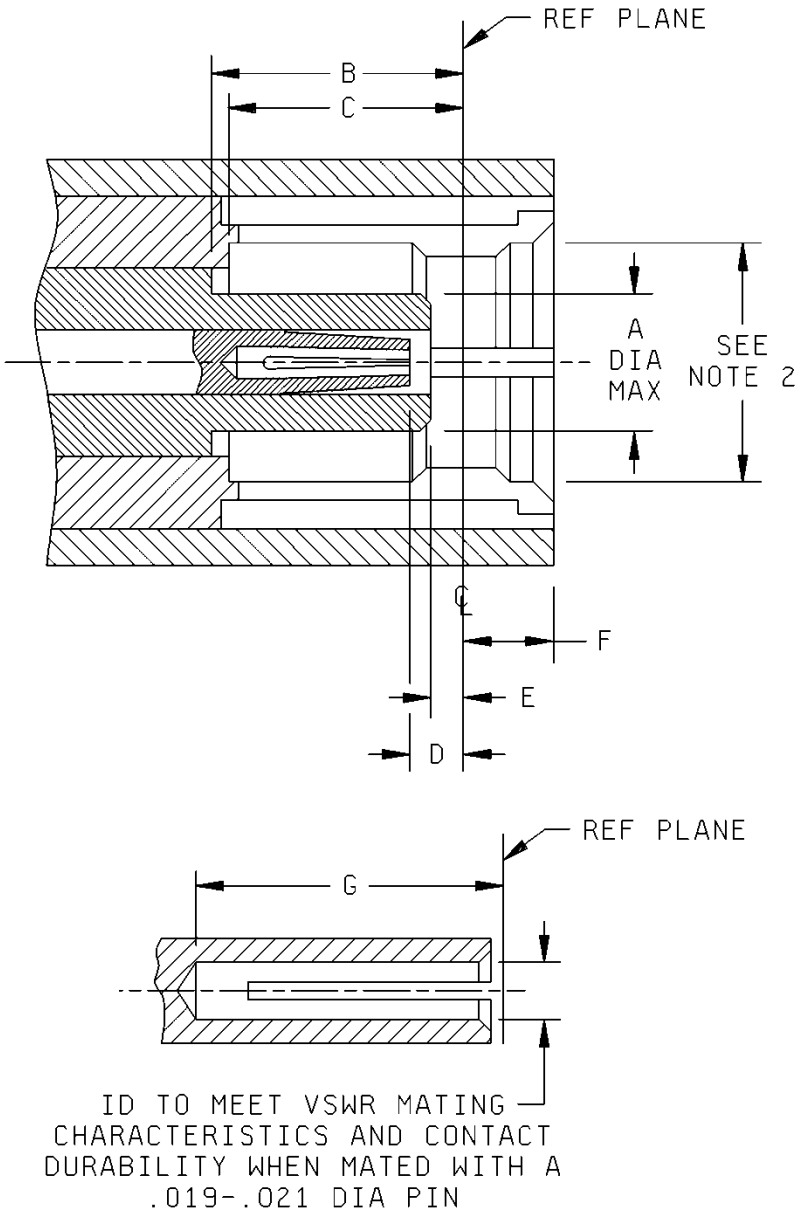


FIGURE 311-2. Interface, series SMB, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	--------	.081 (2.06)
B	.141 (3.58)	--------
C	.141 (3.58)	--------
D	.007 (0.18)	.037 (0.94)
E	.007 (0.18)	--------
F	--------	.064 (1.63)
G	.117 (2.97)	--------

NOTES:
1. Method of slotting of inner contact optional.
2. Must meet the longitudinal force requirements of force to engage and disengage when mated with its mating gauge.
3. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/67.

FIGURE 311-2. Interface, series SMB, socket contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

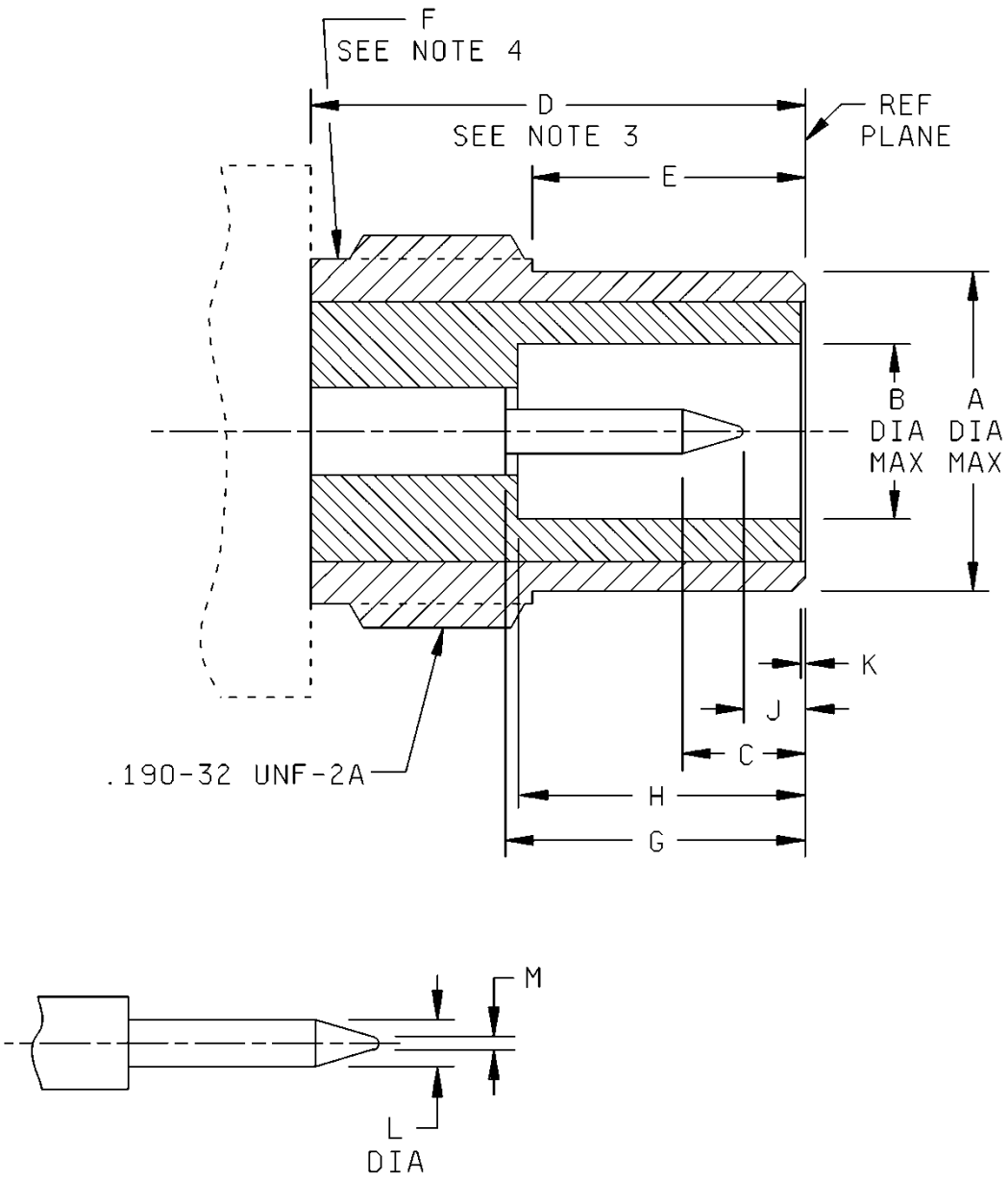


FIGURE 312-1. Interface, series SMC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	--------	.146 (3.71)
B	.082 (2.08)	--------
C	--------	.084 (2.13)
D	.234 (5.94)	--------
E	.123 (3.12)	.133 (3.38)
F	--------	.040 (1.02)
G	.134 (3.40)	--------
H	.134 (3.40)	--------
J	.024 (0.61)	--------
K	.000 (0.00)	--------
L	.019 (0.48)	.021 (0.53)
M	--------	.010 (0.25)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/74.
2. Thread gauge must go .234 inch minimum from reference plane.
3. Clearance for mating connector coupling nut.
4. With undercut to root diameter.

FIGURE 312-1. Interface, series SMC, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

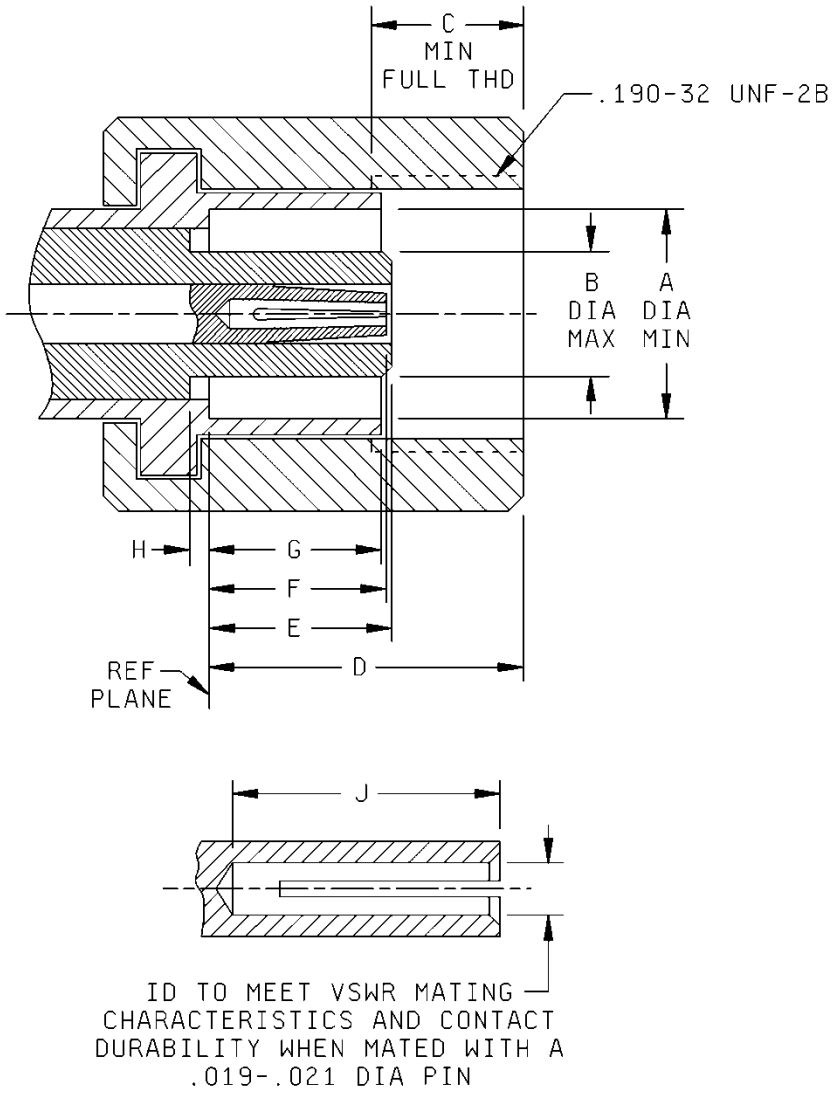


FIGURE 312-2. Interface, series SMC, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.147 (3.73)	--------
B	--------	.081 (2.06)
C	.110 (2.79)	--------
D	--------	.233 (5.92)
E	--------	.134 (3.40)
F	--------	.134 (3.40)
G	--------	.122 (3.10)
H	.000 (0.00)	--------
J	.110 (2.79)	--------

NOTES:
1. Method of slotting of inner contact optional.
2. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/73.

FIGURE 312-2. Interface, series SMC, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

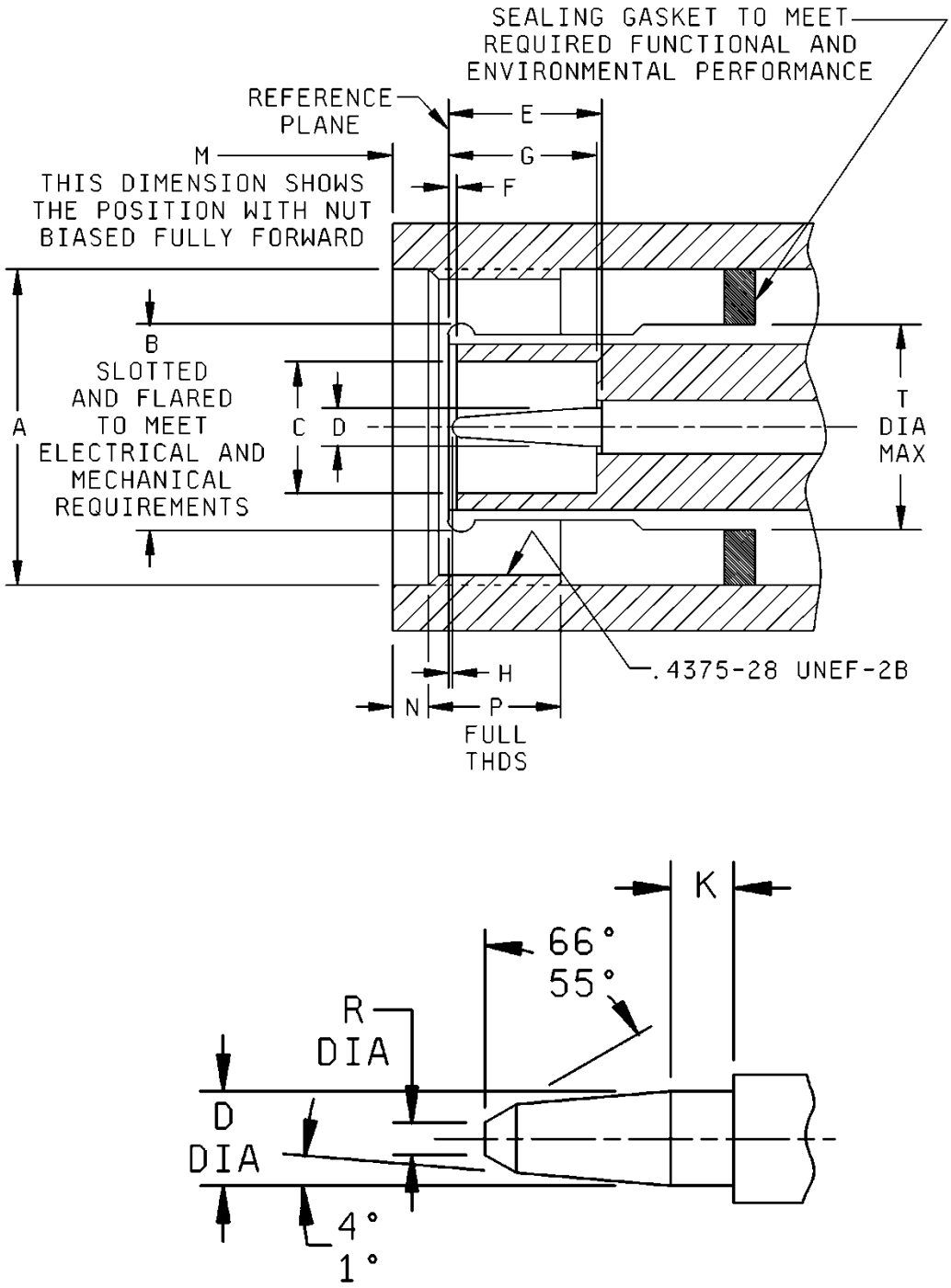


FIGURE 313-1. Interface, series TNC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.440 (11.18)	--------
B	Gauge test	
C	.190 (4.83)	--------
D	.052 (1.32)	.054 (1.37)
E	.210 (5.33)	.230 (5.84)
F	.006 (0.15)	--------
G	.208 (5.28)	.228 (5.79)
H	.003 (0.08)	.040 (1.02)
K	.078 (1.98)	--------
M	--------	.078 (1.98)
N	.063 (1.60)	--------
P	.156 (3.96)	--------
R	--------	.025 (0.64)
T	--------	.322 (8.18)

NOTE:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/26.

FIGURE 313-1. Interface, series TNC, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

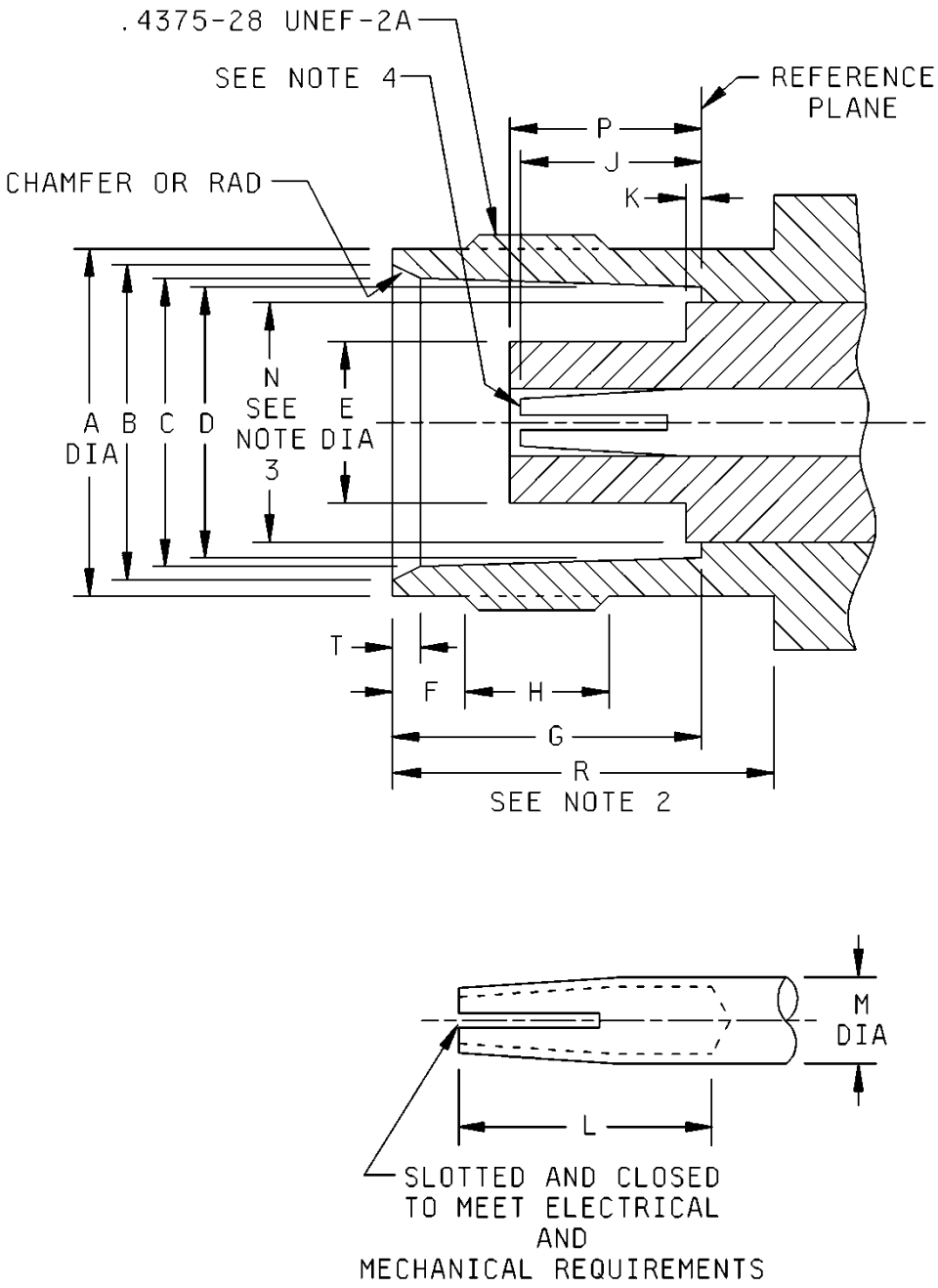


FIGURE 313-2. Interface, series TNC, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.378 (9.60)	.381 (9.68)
B	.346 (8.79)	.356 (9.04)
C	.327 (8.31)	.333 (8.46)
D	.319 (8.10)	.321 (8.15)
E	--------	.186 (4.72)
F	.068 (1.73)	.088 (2.24)
G	.327 (8.31)	.335 (8.51)
H	.187 (4.75)	--------
J	.186 (4.72)	.206 (5.23)
K	--------	.006 (0.15)
L	.195 (4.95)	--------
M	.081 (2.06)	.087 (2.21)
N	--------	.256 (6.50)
P	.188 (4.78)	.208 (5.28)
R	.414 (10.52)	--------
T	.015 (0.38)	.030 (0.76)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/28.
2. Clearance for mating connector coupling nut.
3. Dimension applies to that portion (if applicable) of the dielectric which protrudes beyond the metal shoulder (or reference plane) by dimension K.
4. ID to meet VSWR when mated with .052 inch (1.32 mm)/.054 (1.37 mm) diameter pin.

FIGURE 313-2. Interface, series TNC, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

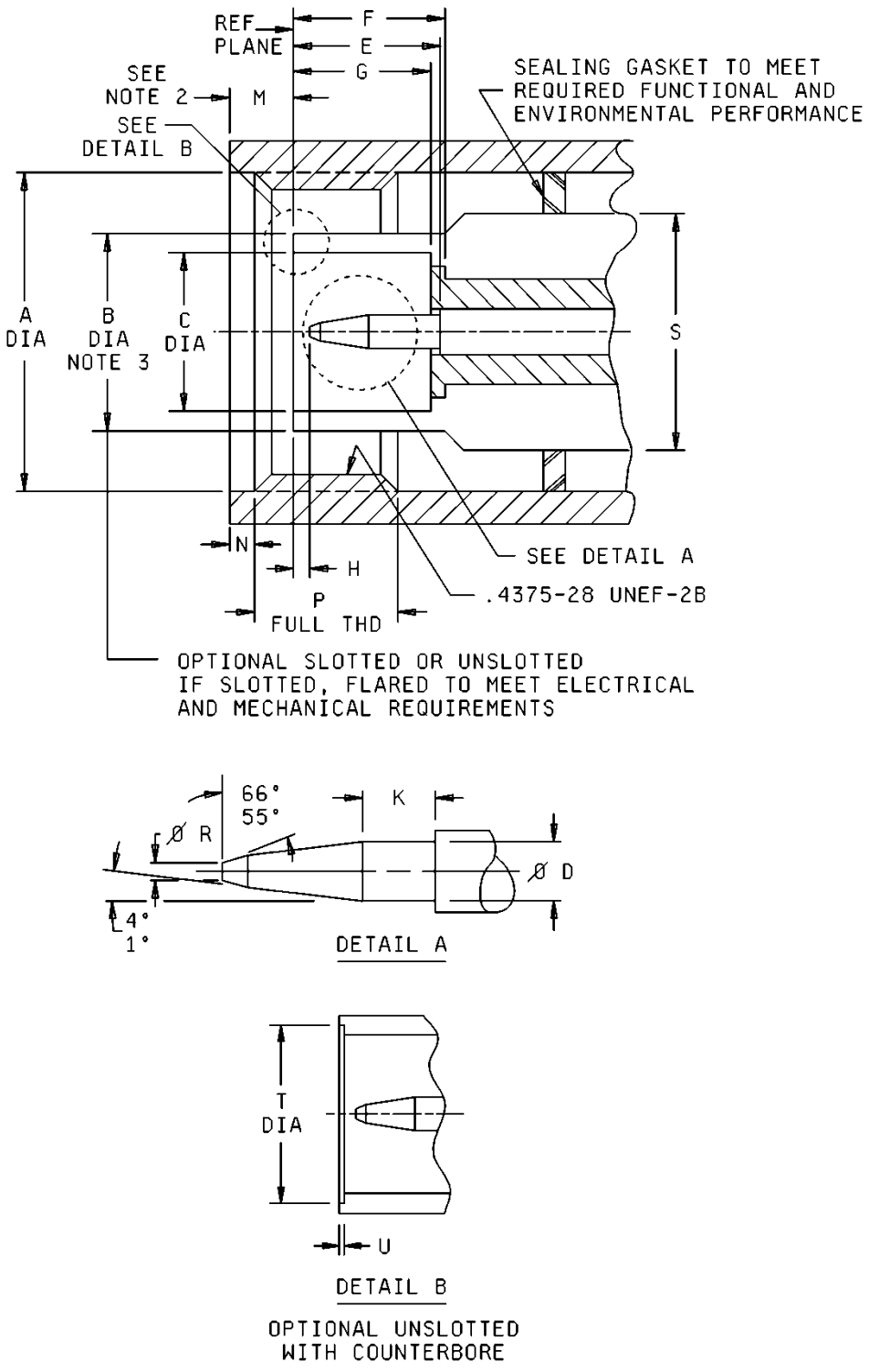


FIGURE 313-3. Interface, series TNCA, pin contact, air interface.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.440 (11.18)	--------
B	.314 (7.98)	.318 (8.08)
C	.238 (6.05)	.242 (6.15)
D	.052 (1.32)	.054 (1.37)
E	.208 (5.28)	--------
F	.212 (5.38)	--------
G	.208 (5.28)	--------
H	.003 (0.08)	.040 (1.02)
K	.078 (1.98)	--------
M	--------	.078 (1.98)
N	.063 (1.60)	--------
P	.156 (3.96)	--------
R	--------	.025 (0.64)
S	--------	.322 (8.18)
T	.266 (6.76)	.268 (6.81)
U	.0060 (0.152)	.0090 (0.229)

NOTES:
1. Three holes .027 inch (0.69) minimum diameter equally spaced for safety wiring when required. Location on coupling nut is optional.
2. Dimension with nut bias fully forward.
3. B dimension apples to unslotted version. Slotted designs must meet gauge test, B dimension will not apply.

FIGURE 313-3. Interface, series TNCA, pin contact, air interface – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

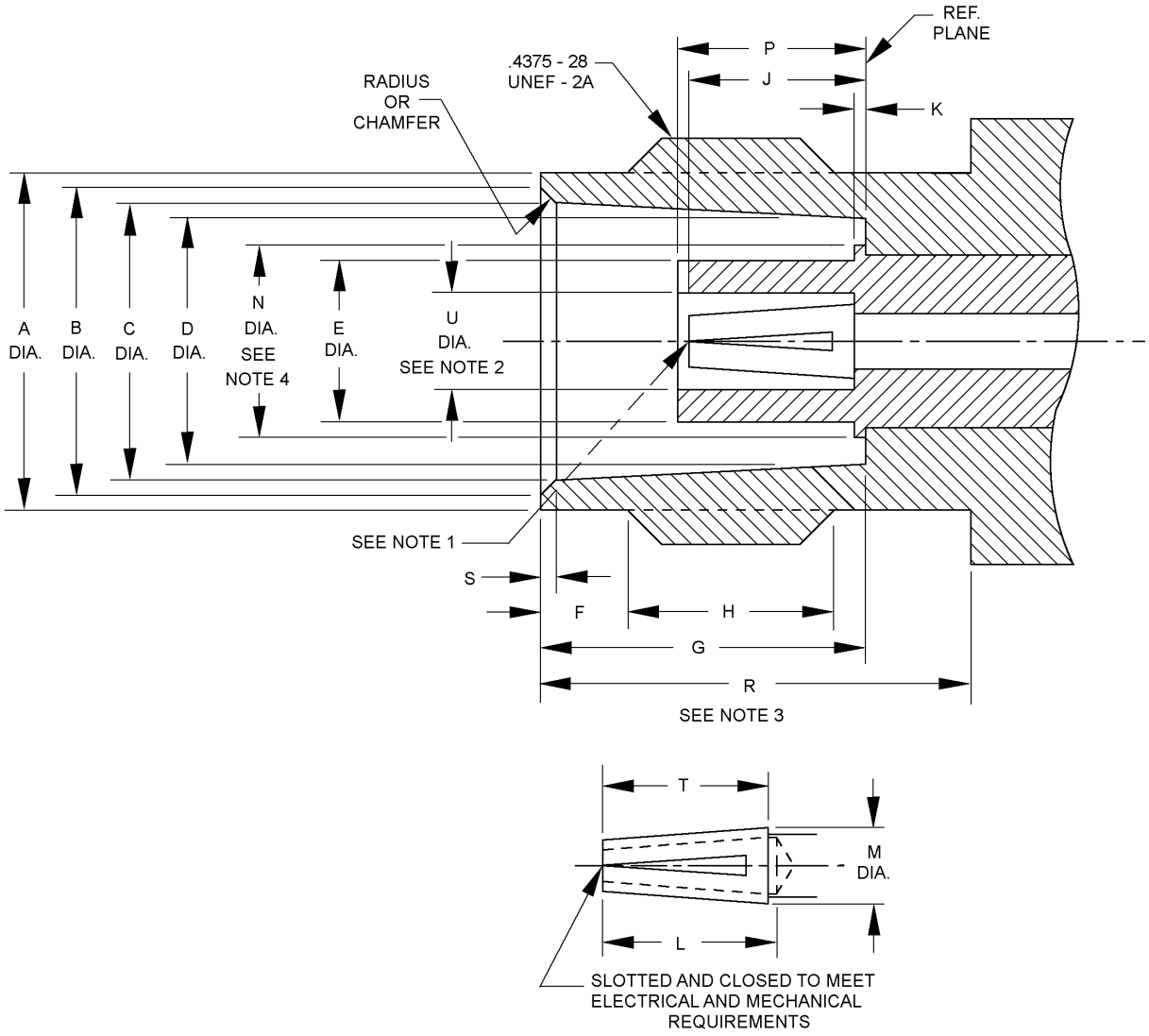


FIGURE 313-4. Interface, series TNCA, socket contact, air interface.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.378 (9.60)	.381 (9.68)
B	.346 (8.79)	.356 (9.04)
C	.327 (8.31)	.333 (8.38)
D	.319 (8.10)	.321 (8.15)
E	.182 (4.62)	.186 (4.72)
F	.068 (1.73)	.088 (2.24)
G	.327 (8.31)	.335 (8.51)
H	.187 (4.75)	--------
J	.198 (5.03)	.208 (5.28)
K	--------	.006 (0.15)
L	.195 (4.95)	--------
M	.084 (2.13)	.087 (2.21)
N	--------	.230 (5.84)
P	.198 (5.03)	.208 (5.28)
R	.414 (10.52)	--------
S	.015 (0.38)	.030 (0.76)
T	.180 (4.57)	.196 (4.98)
U	--------	.092 (2.34)

NOTES:
1. ID to meet VSWR when mated with .052 (1.32 mm) .054 (1.37 mm) diameter pin.
2. Diameter is ID of dielectric.
3. Clearance for mating connector coupling nut.
4. Applies to portion of dielectric which protrudes beyond metal shoulder (reference plane).

FIGURE 313-4. Interface, series TNCA, socket contact, air interface – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

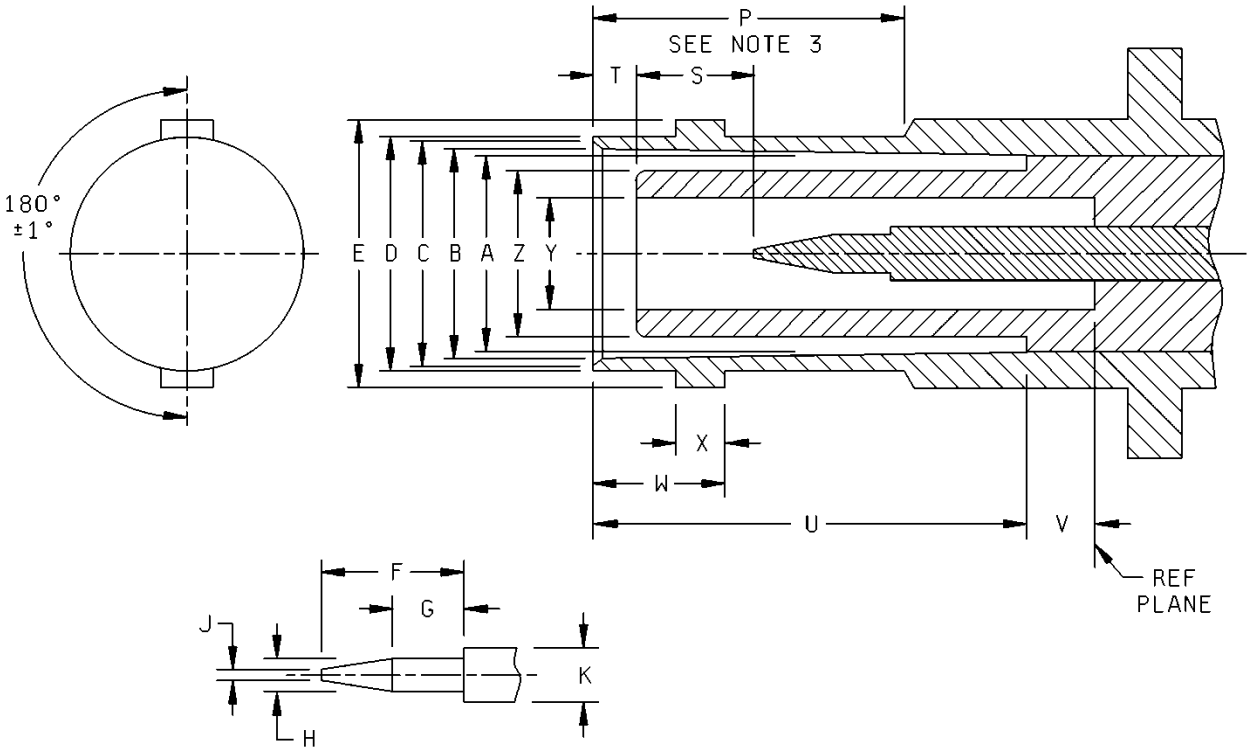


FIGURE 314-1. Interface, series SHV, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim. Ltr.	Inches (mm)	
	Min.	Max.
A	.319 (8.10)	.321 (8.15)
B	.328 (8.33)	.333 (8.46)
C	.347 (8.81)	.357 (9.07)
D	.378 (9.60)	.382 (9.70)
E	.432 (10.97)	.436 (11.07)
F	.207 (5.26)	.214 (5.44)
G	.130 (3.30)	--------
H	.052 (1.32)	.054 (1.37)
J	.015 (0.38)	.025 (0.64)
K	.081 (2.06)	.083 (2.11)
P	.427 (10.85)	--------
S	.188 (4.78)	.208 (5.28)
T	.061 (1.55)	.078 (1.98)
U	.626 (15.90)	.630 (16.00)
V	.064 (1.63)	.086 (2.18)
W	.204 (5.18)	.208 (5.28)
X	.075 (1.91)	.081 (2.06)
Y	.190 (4.83)	.196 (4.98)
Z	--------	.260 (6.60)

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-PRF-39012/107.
2. .005 inch (0.13 mm) flat permissible to meet dimension W.
3. Clearance for meeting connector coupling nut.

FIGURE 314-1. Interface, series SHV, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

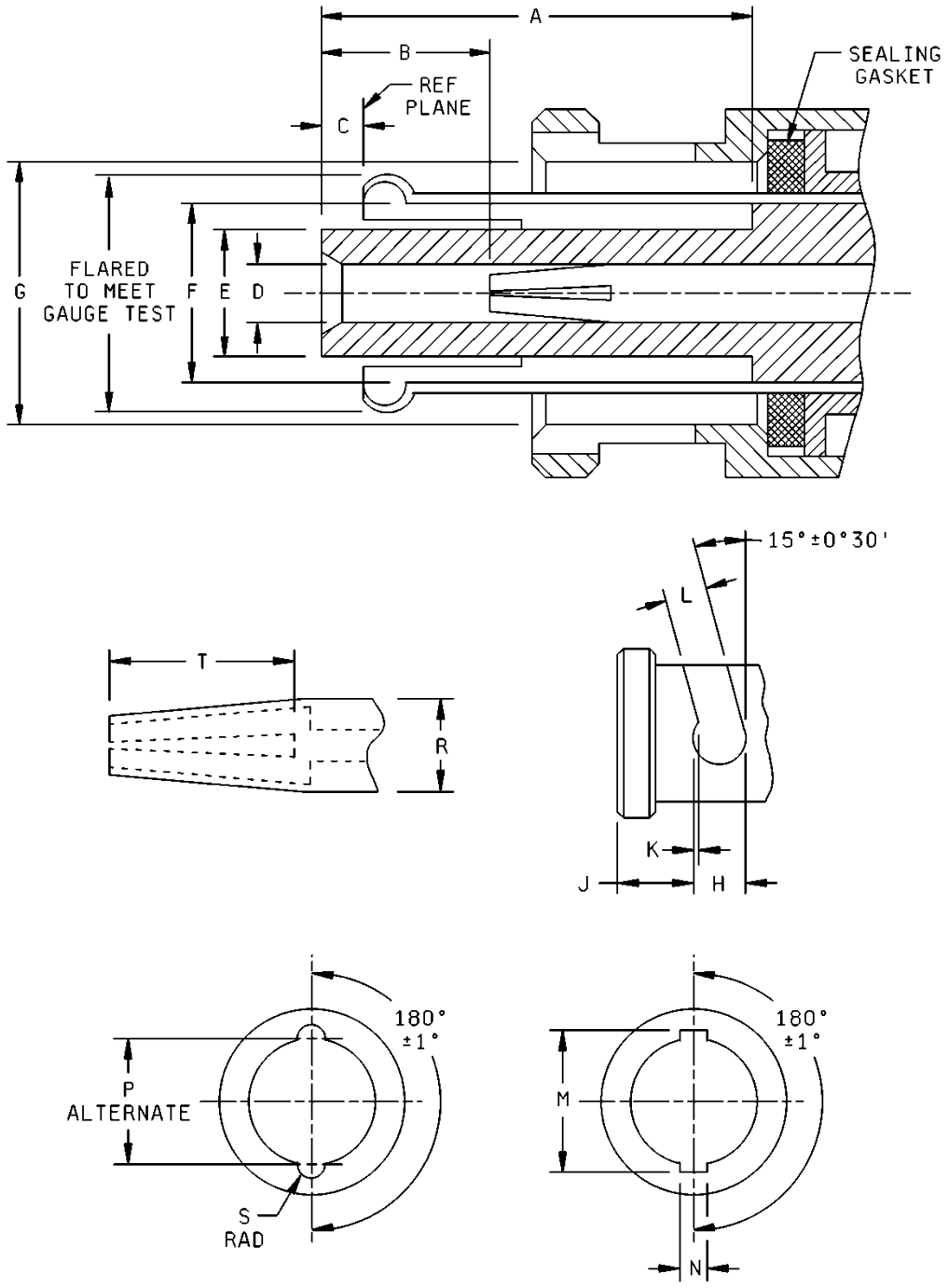


FIGURE 314-2. Interface, series SHV, socket contact.

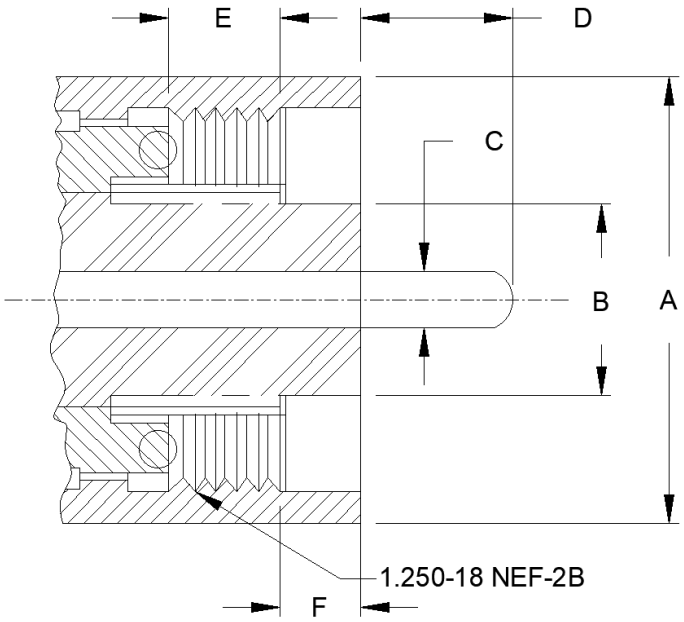
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	.628 (15.95)	.632 (16.05)
B	.238 (6.05)	.262 (6.65)
C	.046 (1.17)	.064 (1.63)
D	.082 (2.08)	---------
E	.180 (4.57)	.186 (4.72)
F	.264 (6.71)	---------
G	.385 (9.78)	.390 (9.91)
H	.124 (3.15)	---------
J	.180 (4.57)	.184 (4.67)
K	.018 (0.46)	.022 (0.56)
L	.091 (2.31)	.097 (2.46)
M	.463 (11.76)	.473 (12.01)
N	.091 (2.31)	.094 (2.39)
P	.394 (10.01)	.400 (10.16)
R	.081 (2.06)	.083 (2.11)
S	.045 (1.14)	.049 (1.24)
T	.214 (5.44)	---------

NOTE: This interface shall meet the gauge requirements as specified MIL-PRF-39012/106.

FIGURE 314-2. Interface, series SHV, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Dimension Ltr.	Inches	
	Minimum	Maximum
A	1.276	1.286
B	.685	.690
C	.187	.189
D	.485	.515
E	.349	.369
F	.25	.25

NOTE: The interface shall meet the gauge requirements as specified in MIL-DTL-3650.

FIGURE 315-1. Interface, series LC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

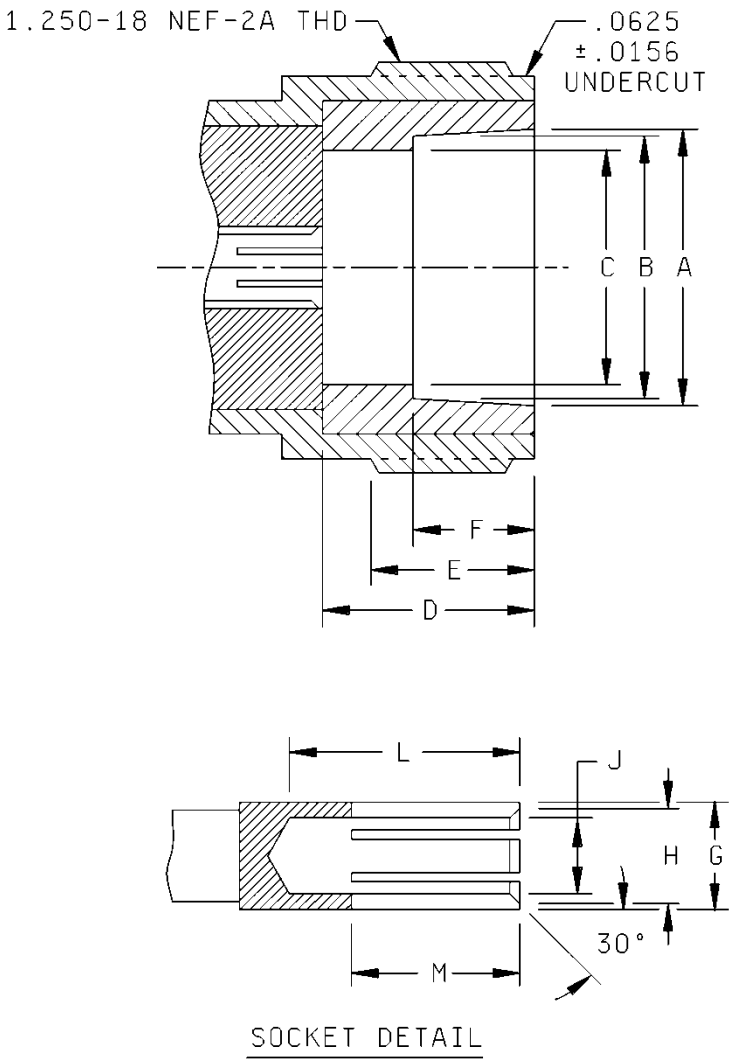


FIGURE 315-2. Interface, series LC, socket contact, full dielectric,

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

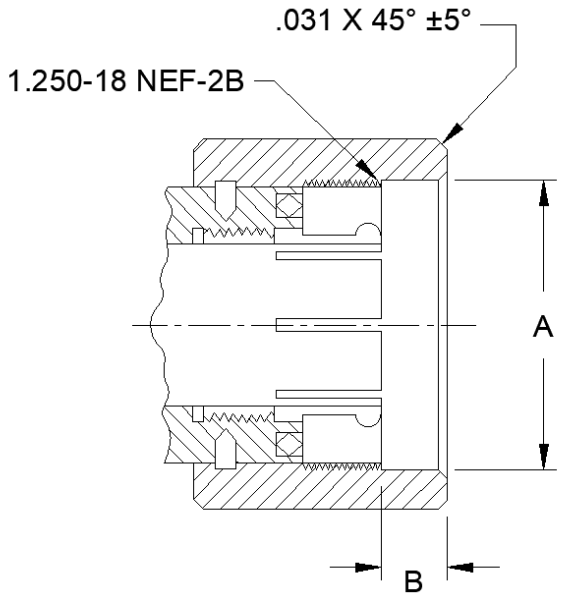
Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	.806 (20.47)	.814 (20.68)
B	.788 (20.02)	.790 (19.81)
C	.693 (17.60)	.697 (17.70)
D	.623 (15.82)	.627 (15.93)
E	.484 (12.29)	.516 (13.11)
F	.373 (9.47)	.377 (9.58)
G	.227 (5.77)	.229 (5.82)
H	.212 (5.38)	.220 (5.59)
J	.202 (5.13)	---------
L	.557 (14.15)	---------
M	.250 (6.35)	---------

NOTE. Dimensions J and M to be slotted to meet mechanical and electrical performance requirements.

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. This interface shall meet the gauge requirements as specified in MIL-DTL-3650.

FIGURE 315-2. Interface, series LC, socket contact, full dielectric – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Dimension Ltr.	Inches	
	Minimum	Maximum
A	1.276	1.286
B	.234	.276

NOTE: The interface shall meet the gauge requirements as specified in MIL-DTL-3650.

FIGURE 315-3. Interface, series LC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

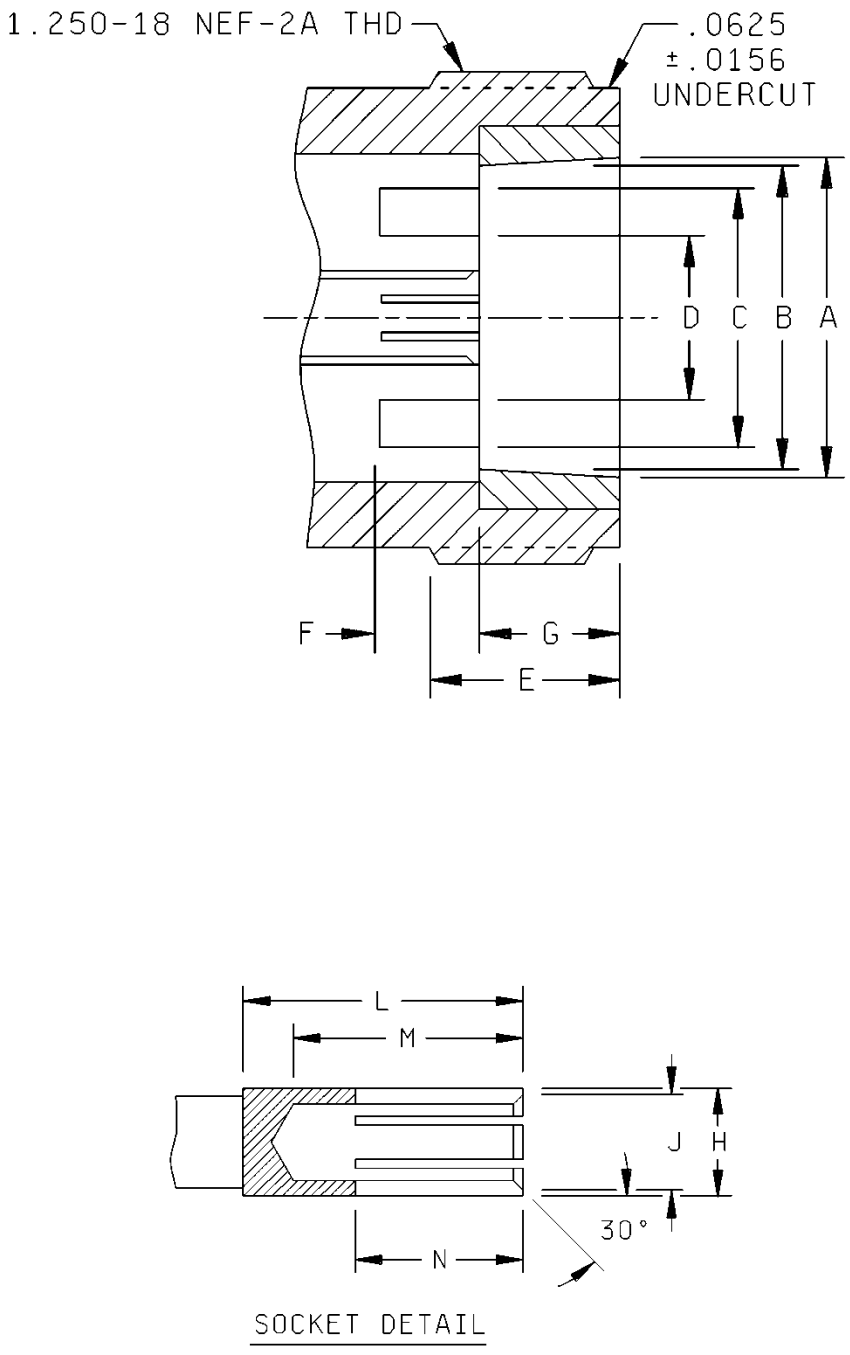


FIGURE 315-4. Interface, series LC, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

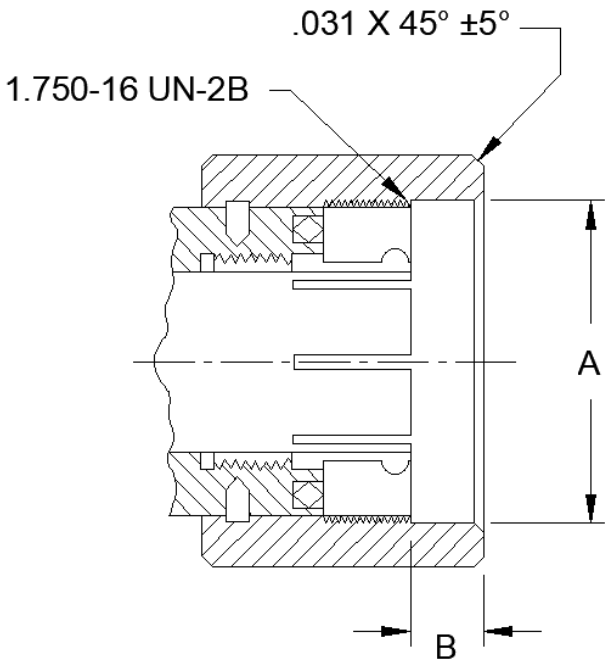
Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	.806 (20.47)	.814 (20.68)
B	.788 (20.02)	.790 (20.07)
C	.691 (17.55)	.699 (17.75)
D	.433 (11.00)	.441 (11.20)
E	.484 (12.34)	.516 (13.11)
F	.248 (6.30)	.252 (6.40)
G	.373 (9.47)	.377 (9.58)
H	.227 (5.77)	.229 (5.82)
J	.212 (5.38)	.220 (5.59)
L	.750 (19.05)	---------
M	.557 (14.15)	---------
N	.250 (6.35)	---------

NOTE. Dimensions J and M contact to be slotted to meet mechanical and electrical performance requirements.

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. This interface shall meet the gauge requirements of MIL-DTL-3650.

FIGURE 315-4. Interface, series LC, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

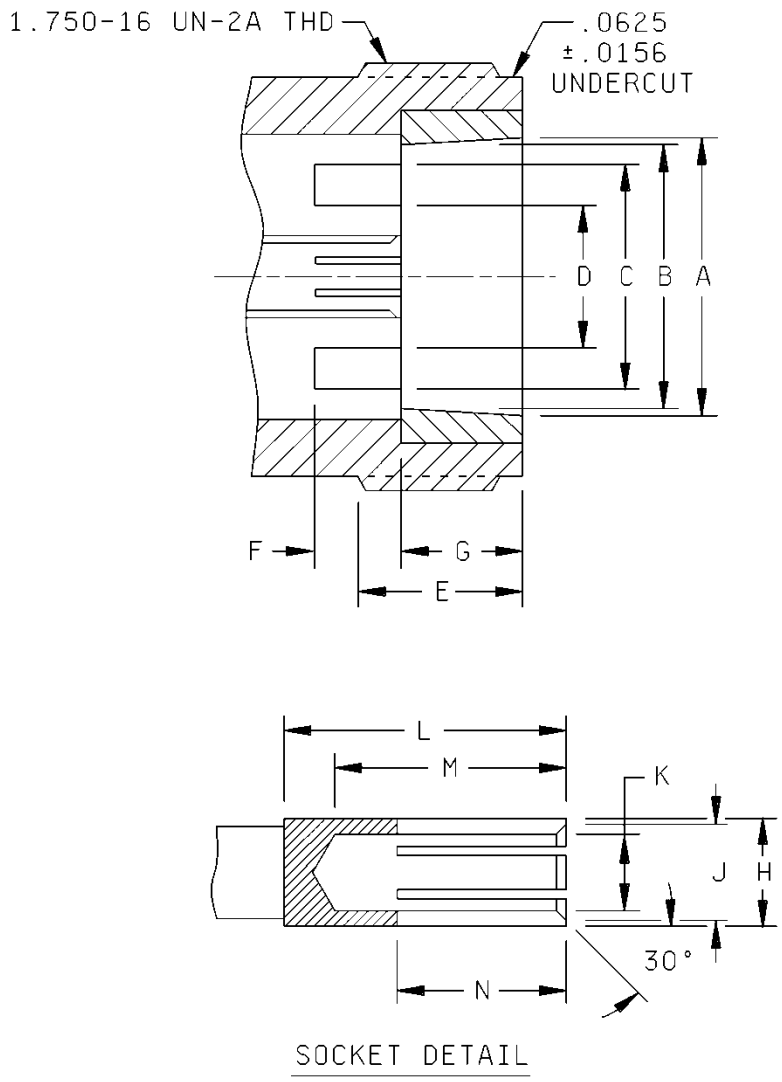


Dimension Ltr.	Inches	
	Minimum	Maximum
A	1.765	1.797
B	.359	.391

NOTE: The interface shall meet the gauge requirements as specified in MIL-DTL-3650.

FIGURE 315-5. Interface, Series LC, Pin Contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



NOTES:
1. Dimensions are in inches.
2. Metric equivalents are for reference purposes only.
3. The interface shall meet the gauge requirements as specified in MIL-DTL-3650.

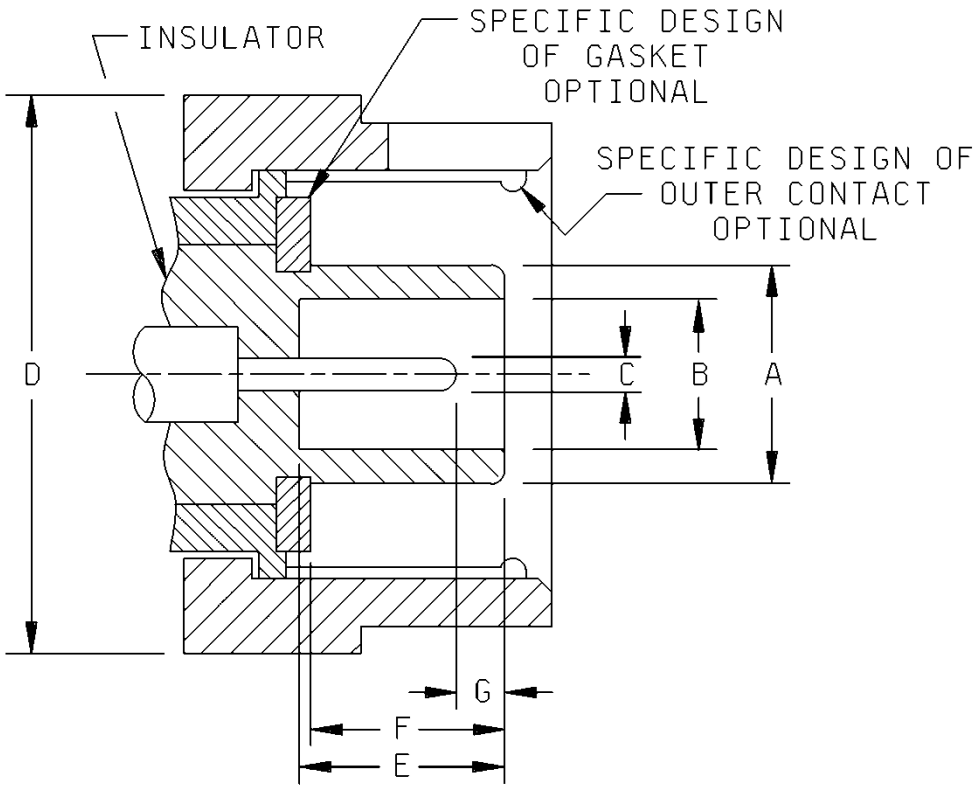
FIGURE 315-6. Interface, Series LC, Socket Contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	1.083 (27.51)	1.093 (27.76)
B	1.054 (26.77)	1.056 (26.82)
C	.926 (23.52)	.934 (23.72)
D	.621 (15.77)	.629 (15.98)
E	.609 (15.47)	.641 (16.28)
F	.373 (9.47)	.377 (9.57)
G	.373 (9.47)	.377 (9.57)
H	.304 (7.72)	.306 (7.77)
J	.289 (7.34)	.297 (7.54)
K	.271 (6.88)	
L	.750 (19.05)	
M	.562 (14.27)	
N	.250 (6.35)	

FIGURE 315-6. Interface, Series LC, Socket Contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



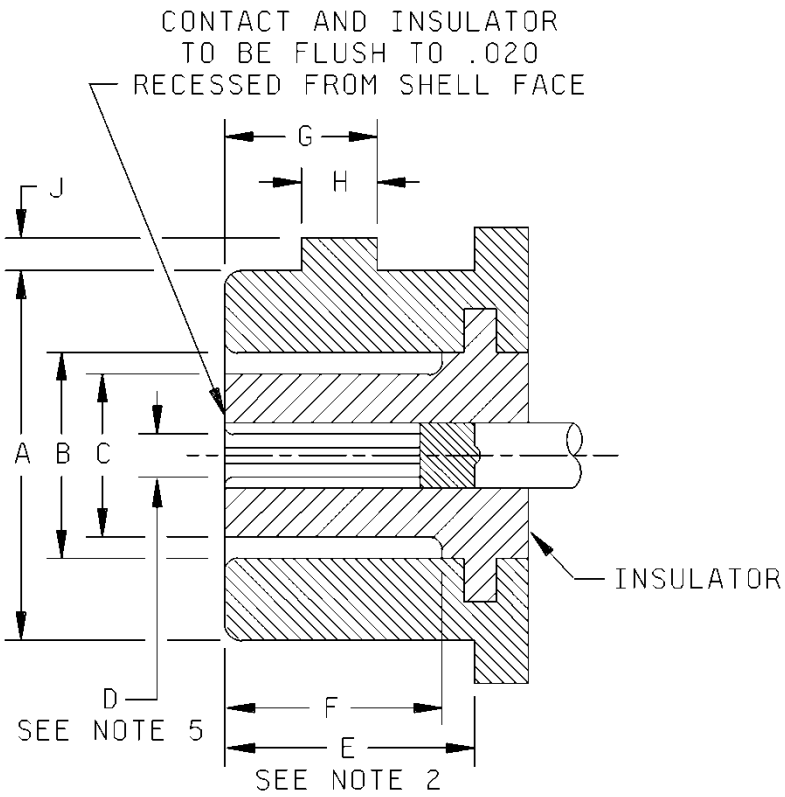
PLUG WITH PIN CONTACT

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	--------	.196 (4.98)
B	.130 (3.30)	--------
C	.037 (0.94)	.039 (0.99)
D	--------	.450 (11.43)
E	.170 (4.32)	--------
F	.130 (3.30)	.160 (4.06)
G	.000 (0.00)	.040 (1.02)

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. This interface shall meet the gauge requirements as specified in MIL-DTL-25516.

FIGURE 316-1. Interface, coaxial, pin contact, environment resistant.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



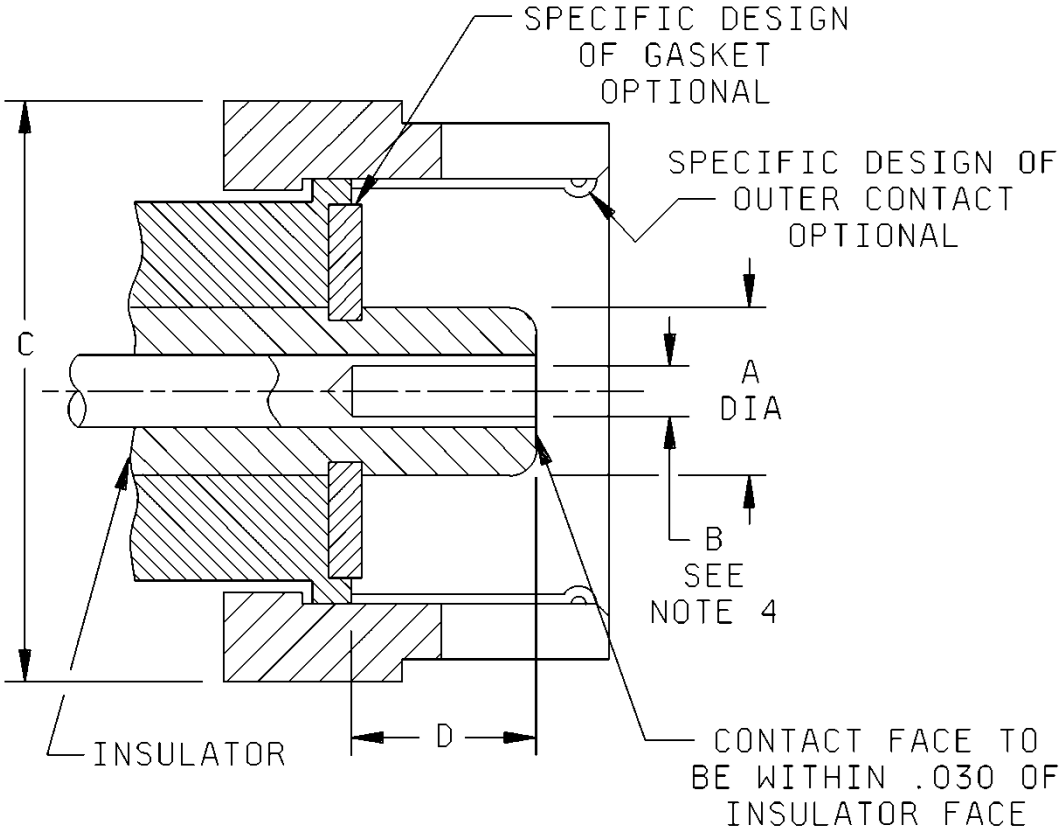
RECEPTACLE WITH SOCKET CONTACT

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A DIA.	.286 REF	--------
B	.196	--------
C	--------	.128
D	.041	.043
E	.250	--------
F	.180	--------
G	.151 REF	--------
H lug	.055 REF	--------
J	.027 TYP	

NOTES:
1. Dimensions are in inches.
2. Clearance for mating connector coupling nut.
3. Metric equivalents are given for information only.
4. This interface shall meet the gauge requirements as specified in MIL-DTL-25516.
5. .170 inch (4.32 mm) minimum deep.

FIGURE 316-2. Interface, coaxial, socket contact, environment resistant.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



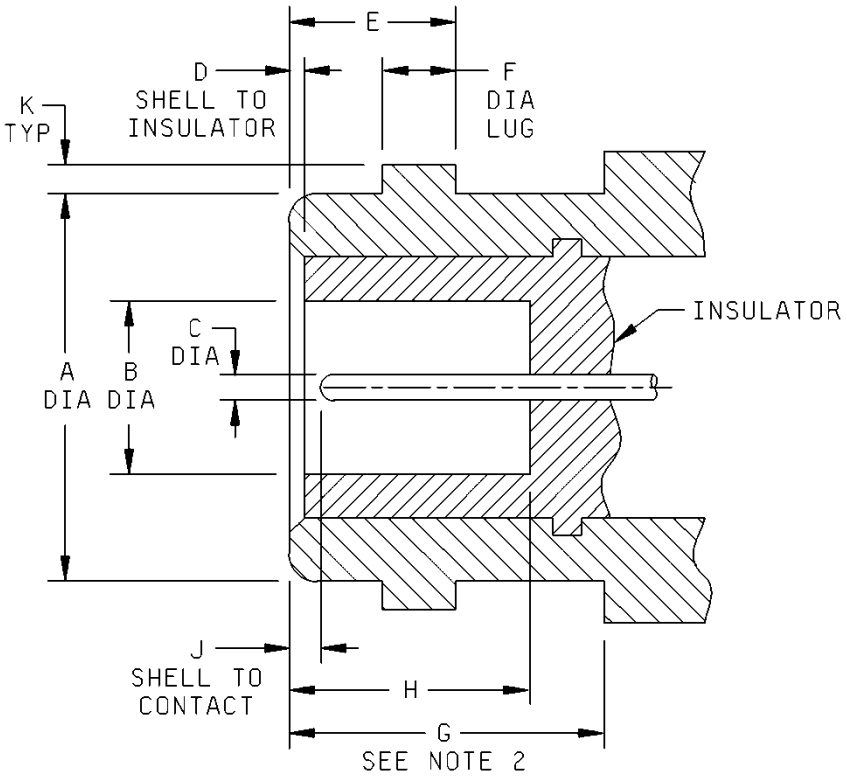
PLUG WITH SOCKET CONTACT

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	--------	.128
B	.041	.043
C	--------	.450
D	.130	.160

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. This interface shall meet the gauge requirements as specified in MIL-DTL-25516.
4. .170 inch (4.32 mm) minimum deep.

FIGURE 316-3. Interface, coaxial, socket contact, environment resistant.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



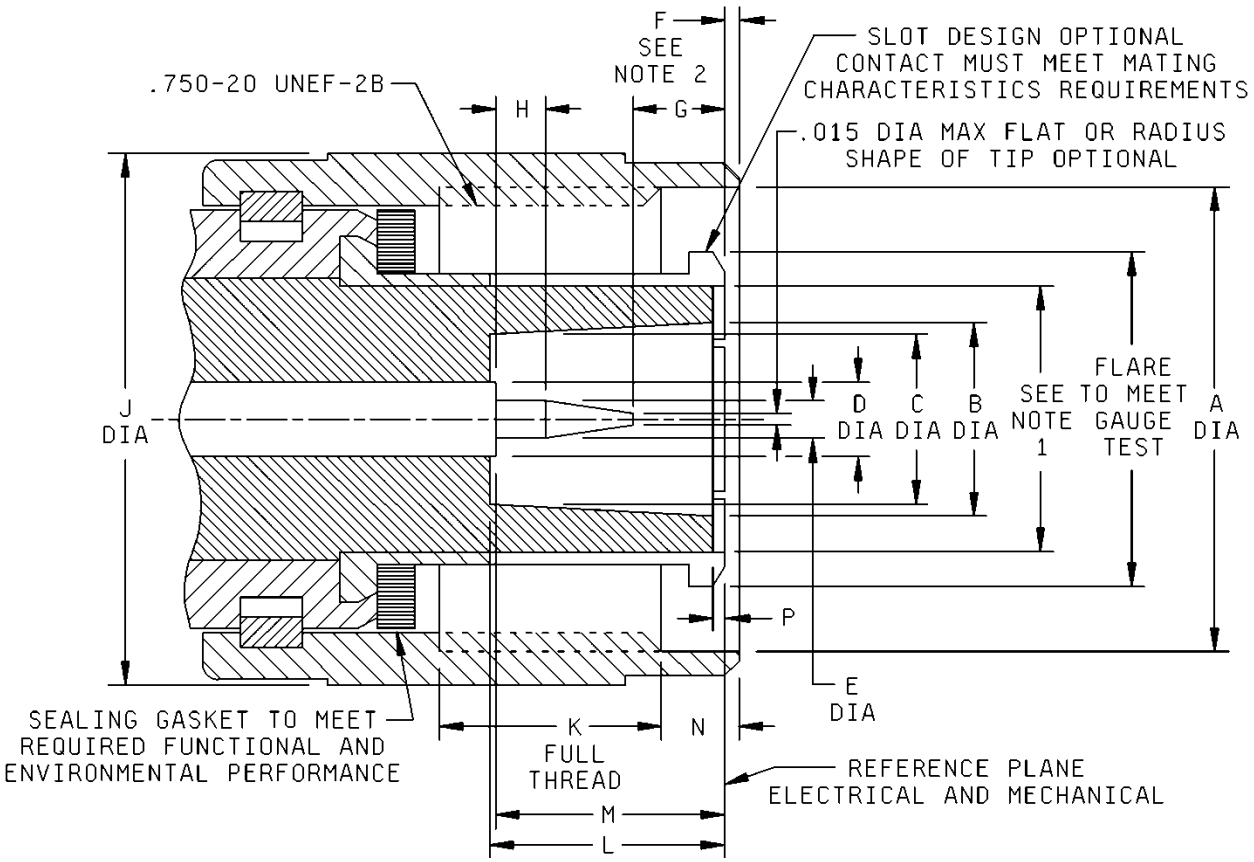
RECEPTACLE WITH PIN CONTACT

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	.286 (7.26) REF	--------
B	.130 (3.30)	--------
C	.037 (0.94)	.039 (0.99)
D	.000 (0.00)	.020 (0.51)
E	.151 (3.84) REF	--------
F	.055 (1.40) REF	--------
G	.250 (6.35)	--------
H	.180 (4.57)	--------
J	.000 (0.00)	.040 (1.02)
K	.027 (0.69) Typical	

NOTES:
1. This interface shall meet the gauge requirements as specified in MIL-DTL-25516.
2. Clearance for mating connector coupling nut.
3. Dimensions are inches.
4. Metric equivalents are given for information only.

FIGURE 316-4. Interface, coaxial, pin contact, environment resistant.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



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FIGURE 317-1. Interface, series HN, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	.760 (19.30)	--------
B	.289 (7.34)	--------
C	.263 (6.68)	--------
D	--------	.132 (3.35)
E	.062 (1.57)	.066 (1.68)
F	--------	.058 (1.47)
G	.138 (3.51)	--------
H	.120 (3.05)	--------
J	--------	.925 (23.50)
K	.403 (10.24)	--------
L	.368 (9.35)	--------
M	.356 (9.04)	.388 (9.86)
N	.100 (2.54)	--------
P	.005 (0.13)	--------

NOTE:
1. ID of outer contact when inserted into a .548 inch (13.92 mm) maximum diameter ring gauge shall be .432 inch (10.97 mm) minimum.
2. With nut biased in forward position.

FIGURE 317-1. Interface, series HN, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

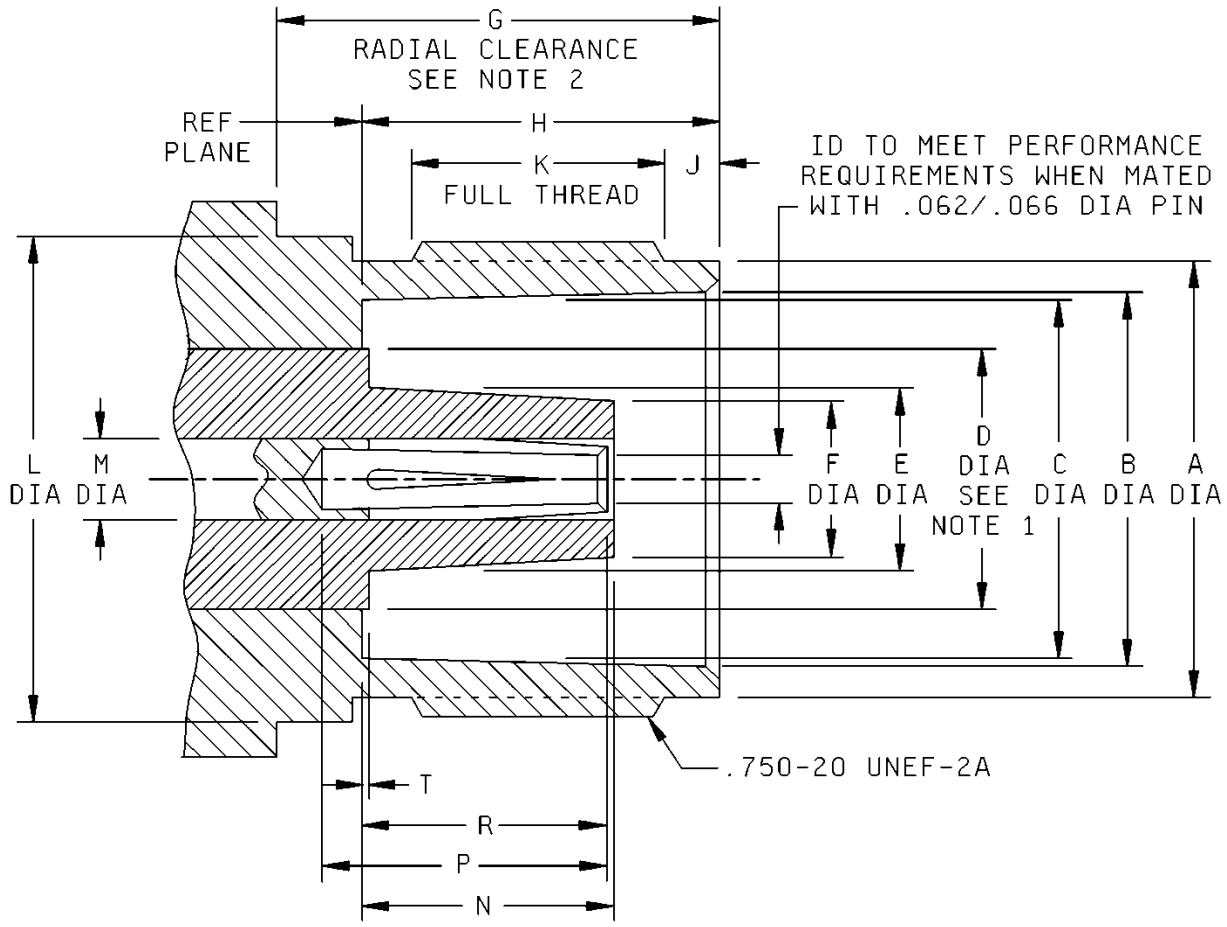


FIGURE 317-2. Interface, series HN, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	.662 (16.81)	.683 (17.35)
B	.571 (14.50)	.578 (14.68)
C	.548 (13.92)	.553 (14.05)
D	--------	.430 (10.92)
E	--------	.294 (7.47)
F	--------	.268 (6.81)
G	.590 (14.99)	--------
H	.516 (13.11)	.522 (13.26)
J	.077 (1.96)	.087 (2.21)
K	.359 (9.12)	--------
L	--------	.755 (19.18)
M	--------	.132 (3.35)
N	--------	.368 (9.35)
P	.355 (9.02)	--------
R	.328 (8.33)	.358 (9.09)
T	--------	.005 (0.13)

NOTES:
1. Dielectric protrusion beyond reference plane.
2. Clearance for mating connector coupling nut.
3. Dimensions are in inches.
4. Metric equivalents are given for information only.

FIGURE 317-2. Interface, series HN, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

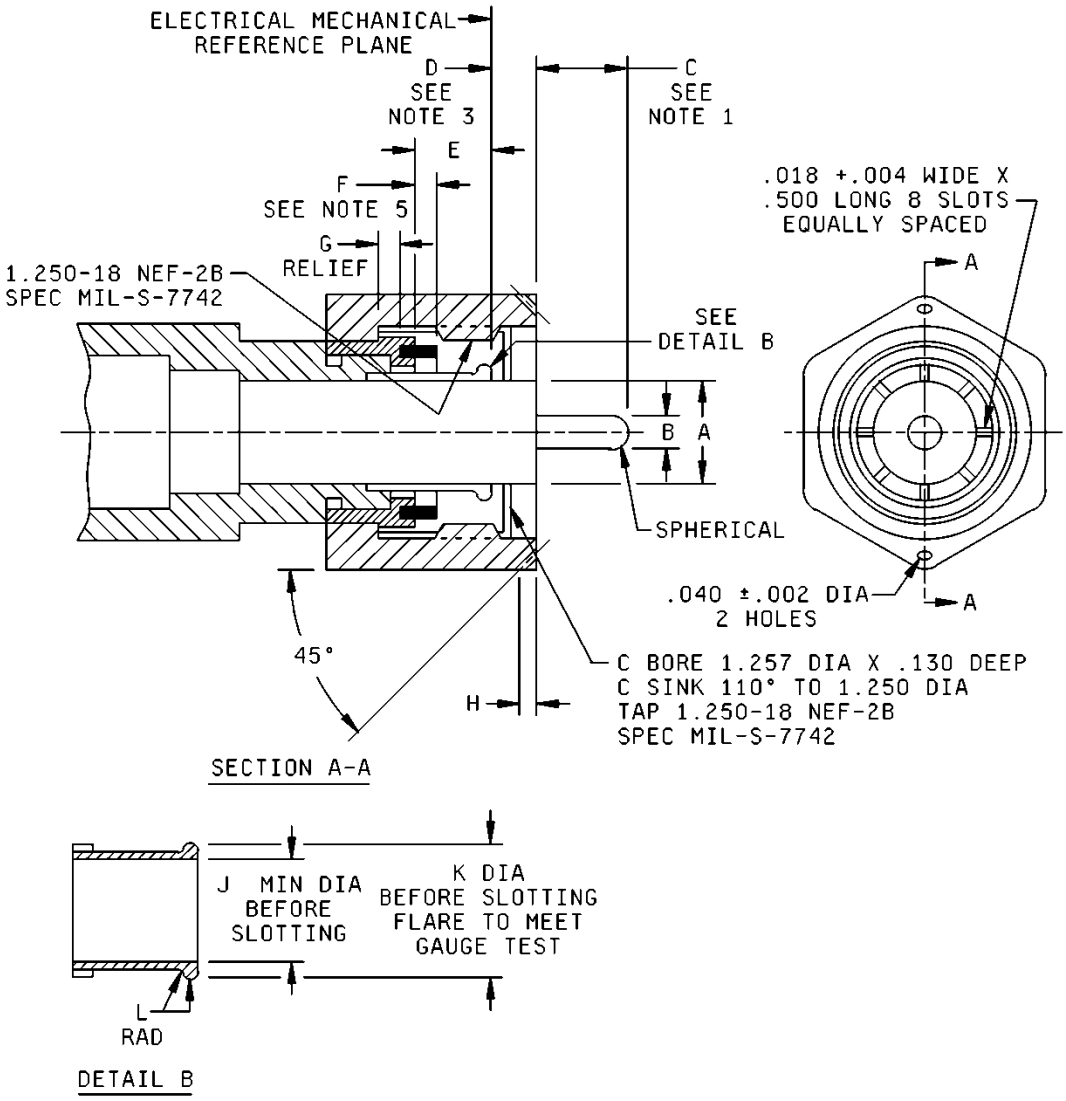


FIGURE 318-1. Interface, series LT, without contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	.618 (15.70)	.620 (15.75)
B	.186 (4.72)	.188 (4.78)
C	.468 (11.89)	.500 (12.70)
D	.250 (6.35)	.260 (6.60)
E	.433 (11.00)	.441 (11.20)
F	.099 (2.51)	.119 (3.02)
G	.094 (2.39) relief	
H	.094 (2.39)	
J	.621 (15.77)	---------
K	.785 (19.94)	.786 (19.96)
L	.046 (1.17)	

NOTES:
1. This dimension is from the tip of the center contact to the end of the dielectric.
2. Dimensions are in inches.
3. This dimension if from the end of the outer contact to the end of the dielectric.
4. Unless otherwise specified, all tolerances shall be ±.005 inch.
5. The gasket upon mating with the mating connector shall meet the electrical and environmental performance requirements.

FIGURE 318-1. Interface, series LT, without contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

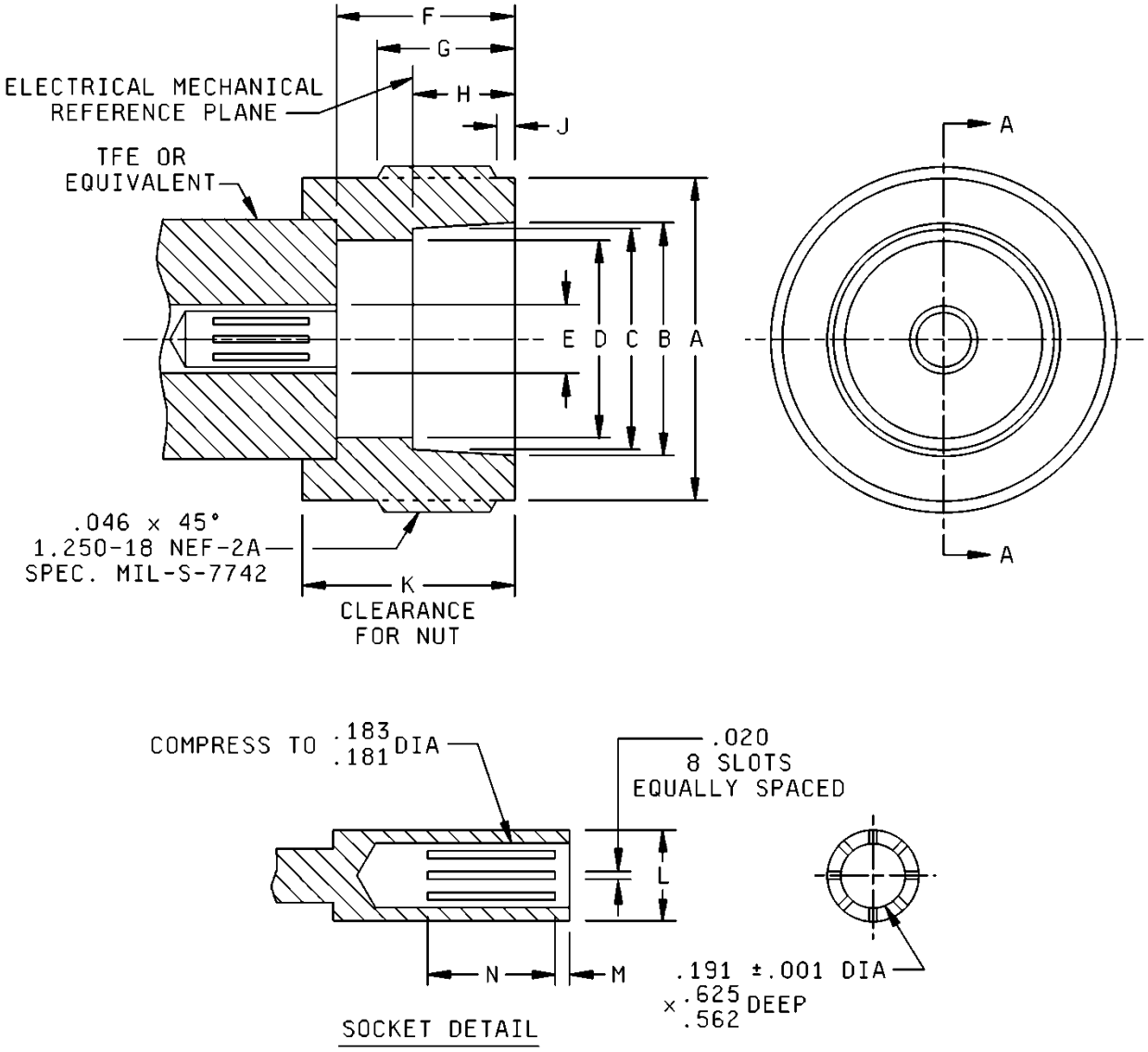


FIGURE 318-2. Interface, series LT, socket contact.

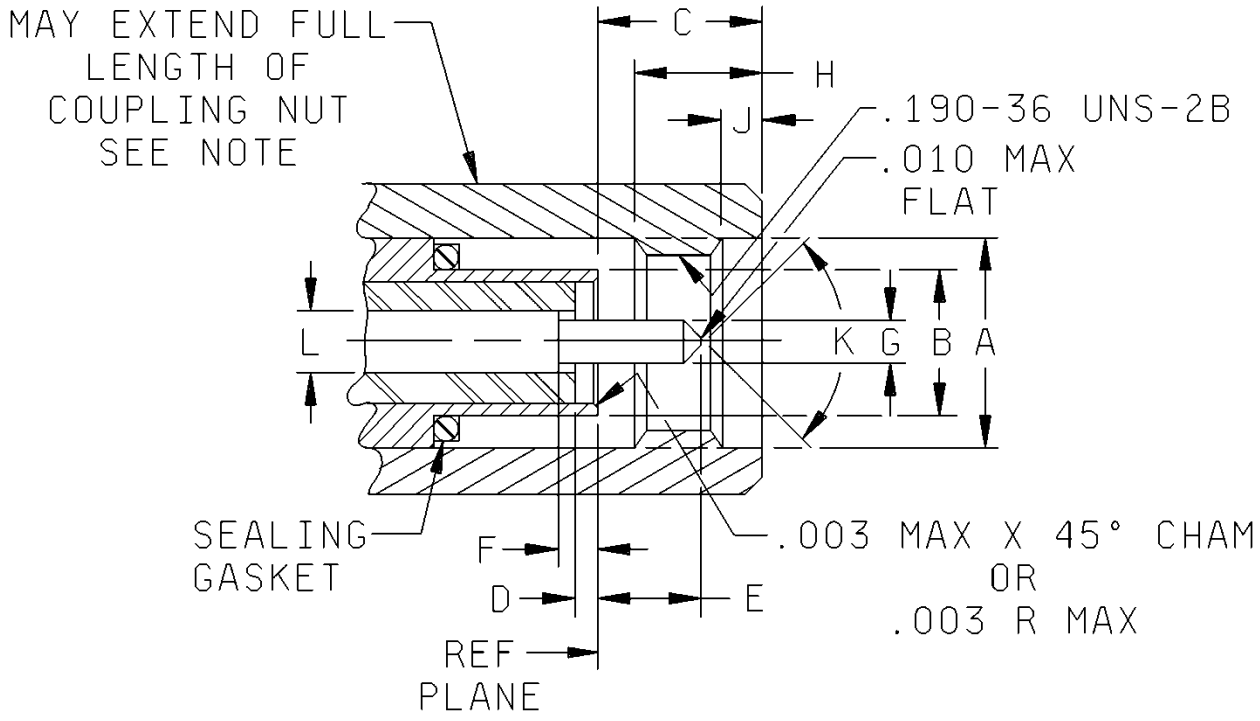
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dimension Ltr.	Inches (mm)	
	Minimum	Maximum
A	1.150 (29.21)	
B	.798 (20.27)	.806 (20.47)
C	.788 (20.02)	.790 (20.07)
D	.621 (15.77)	.623 (15.82)
E Ref.	.217 (5.51)	.218 (5.54)
F	.618 (15.70)	.624 (15.85)
G	.562 (14.27)	
H	.374 (9.50)	.376 (9.55)
J	.140 (3.56)	
K	.750 (19.05)	--------
L	.217 (5.51)	.218 (5.54)
M	.094 (2.39)	
N	.437 (11.10)	

NOTES:
1. Dimensions are in inches.
2. Unless otherwise specified, all tolerances shall be ±.005 inch.

FIGURE 318-2. Interface, series LT, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

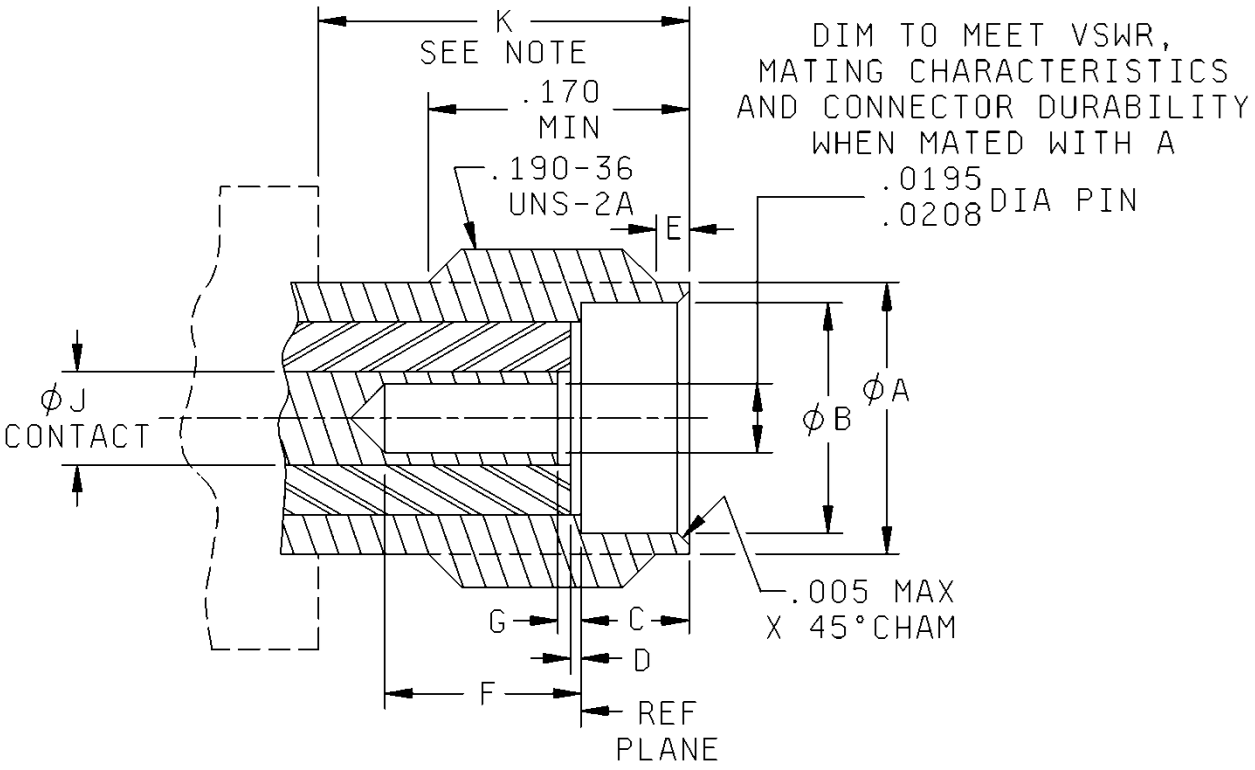


NOTE. .250 reference hex (across flats) may extend full length of coupling nut per FED-STD-H28.

Letter	Inches (mm)	
	Minimum	Maximum
A dia.	.196 (4.98)	.202 (5.13)
B dia.	.124 (3.15)	.1268 (3.22)
C	.100 (2.54)	.133 (3.38)
D	.000 (.00)	.010 (0.25)
E	.050 (1.27)	.065 (1.65)
F	.000 (0.00)	.010 (0.25)
G dia.	.0195 (0.50)	.0208 (0.53)
H	.130 (3.30)	---------
J	.015 (0.38)	.045 (1.14)
K	70°	95°
L dia.	---------	.0348 (0.88)

FIGURE 319-1. Interface, series SSMA, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Letter	Inches (mm)	
	Minimum	Maximum
A dia.	.147 (3.73)	.160 (4.06)
B dia.	.127 (3.23)	.130 (3.30)
C	.075 (1.91)	.077 (1.96)
D	.000 (0.00)	.010 (0.25)
E	.020 (0.51)	.040 (1.02)
F	.075 (1.91)	--------
G	.000 (0.00)	.010 (0.25)
J dia.	.0335 (0.85)	.0348 (0.88)
K	.230 (5.84)	--------

NOTE: Clearance for coupling nut.

FIGURE 319-2. Interface, series SSMA, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

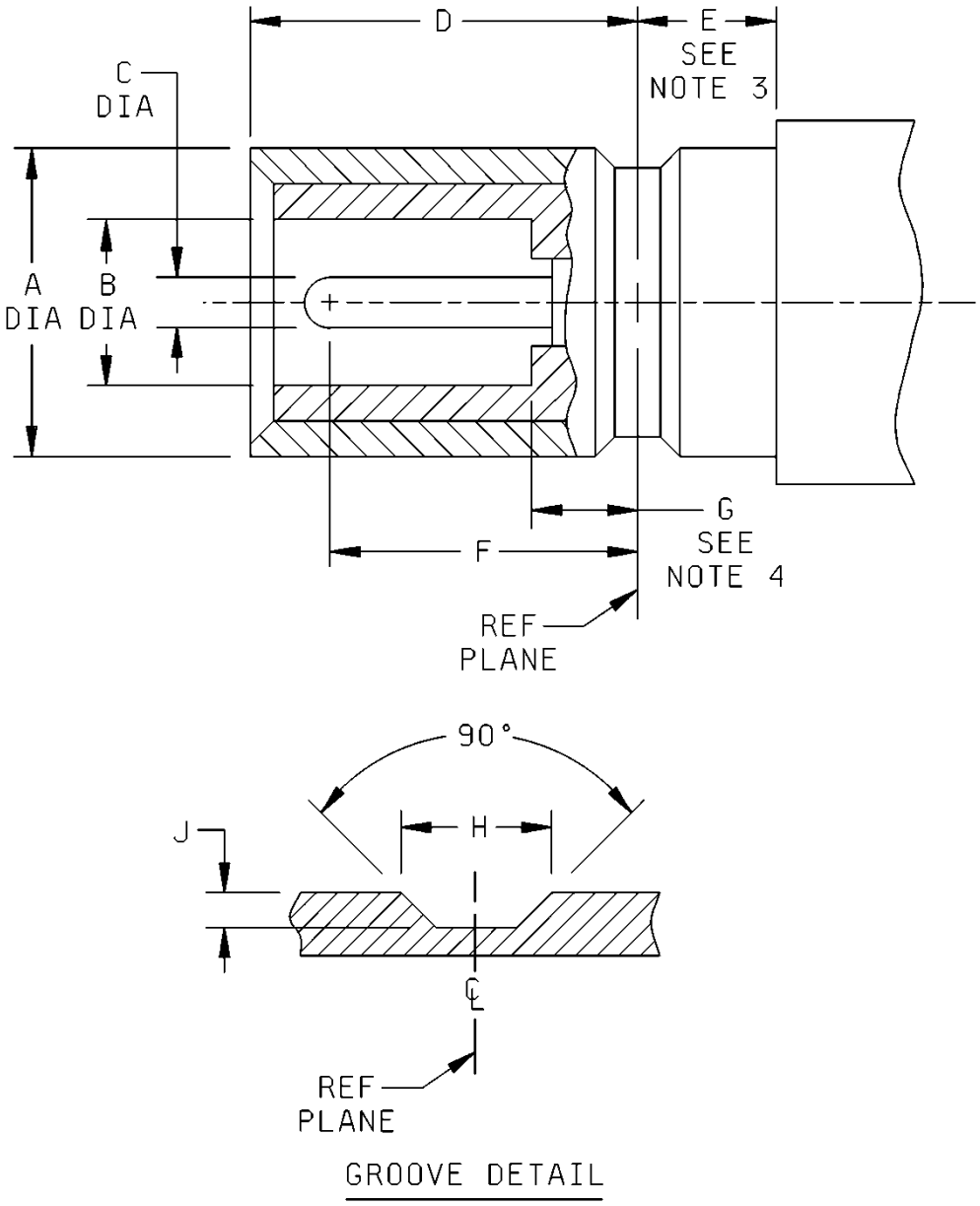


FIGURE 320-1. Interface, series SSMB, pin contact.

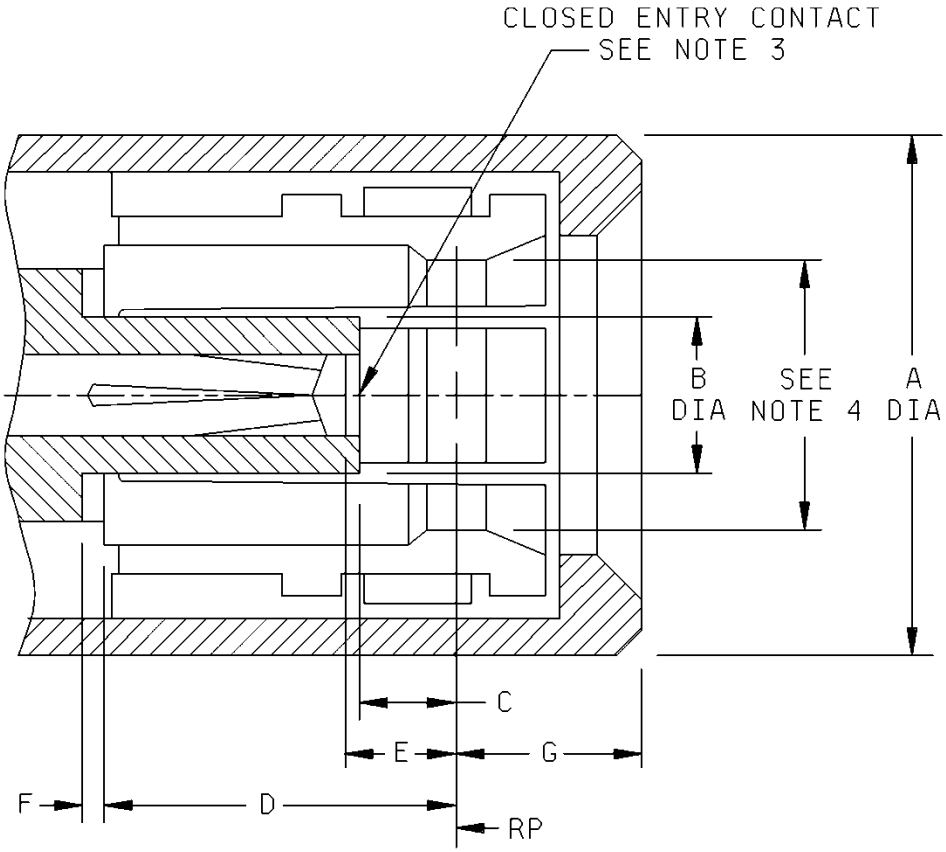
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Letter	Inches (mm)	
	Minimum	Maximum
A	--------	.105 (2.67)
B	.054 (1.37)	--------
C	.014 (0.36)	.015 (0.38)
D	.122 (3.10)	
E	.075 (1.91)	--------
F	.075 (1.91)	--------
G	--------	.033 (0.84)
H	.028 (0.71)	.029 (0.74)
J	.002 (0.56)	.006 (0.15)

NOTES:
1. All undimensioned pictorial representations are for reference purposes only.
2. Unless otherwise specified, all tolerances shall be ±.005 inch.
3. Clearance for mating connector coupling nut.
4. This dimension (.033 max.) applies to both the insulator and the contact.

FIGURE 320-1. Interface, series SSMB, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

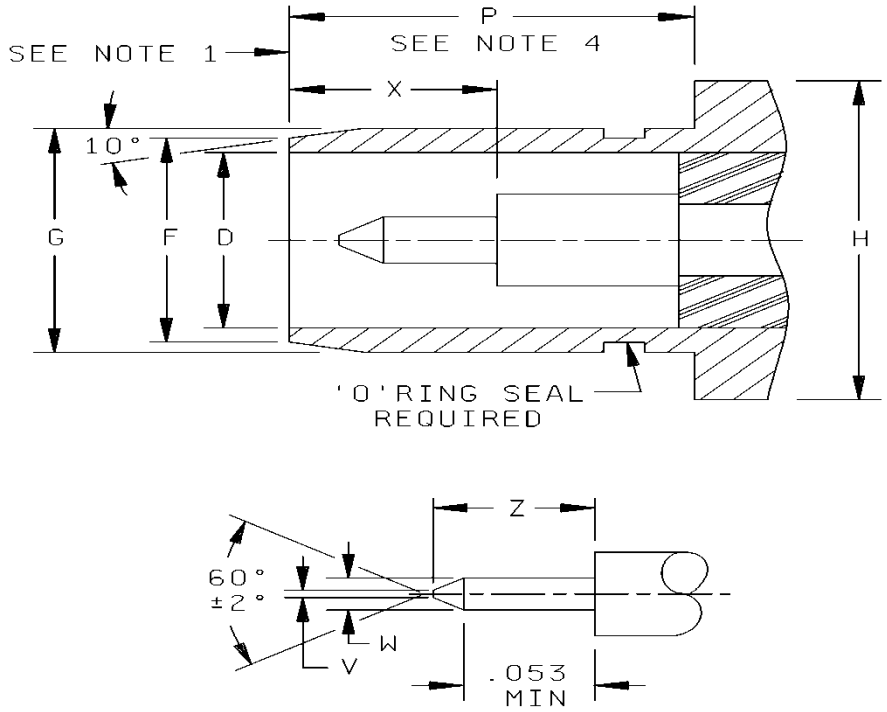


Letter	Inches(mm)	
	Minimum	Maximum
A	--------	.190 (4.83)
B	--------	.053 (1.35)
C	.033 (0.84)	--------
D	.122 (3.10)	--------
E	.033 (0.84)	--------
F	.000 (0.00)	--------
G	--------	.070 (1.78)

NOTES:
1. All undimensioned pictorial representations are for reference purposes only.
2. Unless otherwise specified, all tolerances shall be ±.005.
3. Inside diameter of contact to meet VSWR, mating characteristics and connector durability when mated with a .014/.015 inch diameter pin contact.
4. Must meet the force to engage/disengage requirement when mated with its mating part.

FIGURE 320-2. Interface, series SSMB, socket contact.

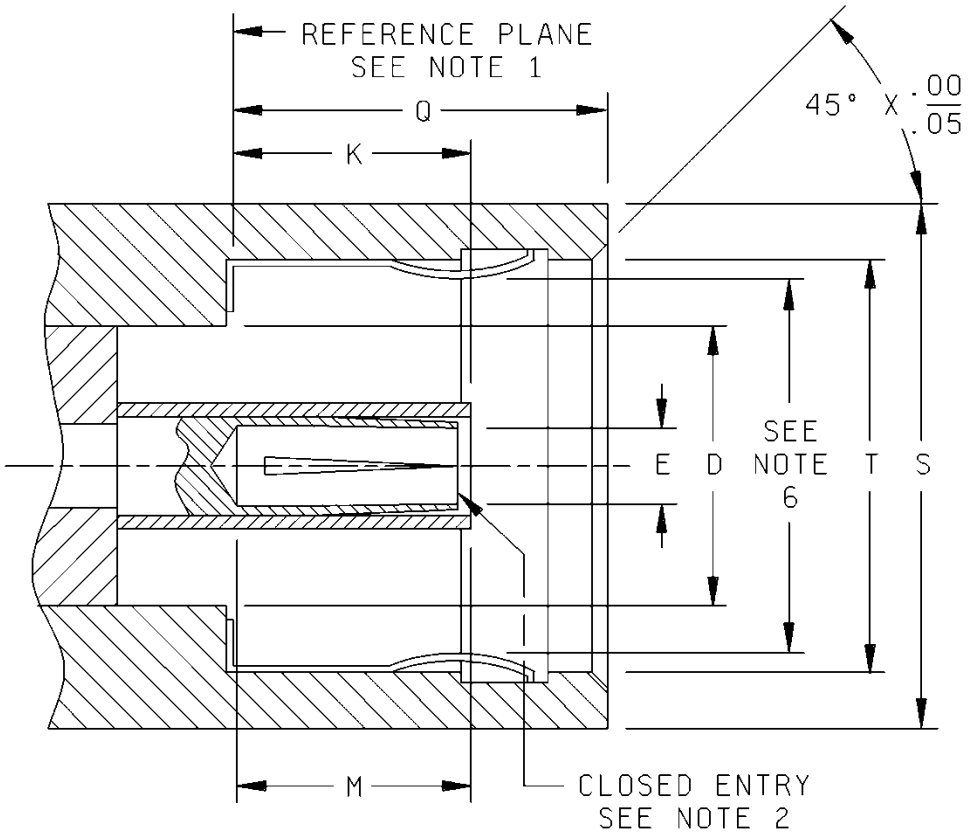
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Letter	Inches (mm)	
	Minimum	Maximum
D	.161 (4.09) nominal	
F	.192 (4.88) nominal	
G	.209 (5.31)	.211 (5.36)
H	.300 (7.62) nominal	
P	.198 (5.03)	--------
V	--------	.015 (0.38)
W	.0354 (0.90)	.0370 (0.94)
X	.128 (3.25)	--------
Z	.090 (2.29) nominal	

FIGURE 321-1. Interface, series BMA, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Letter	Inches (mm)		Notes
	Minimum	Maximum	
D	.161 (4.09) nominal		
E	--------	--------	2
K	.120 (3.05)	.127 (3.23)	
M	.115 (2.92)	--------	
Q	--------	.198 (5.03)	3
S	.290 (7.37)	--------	
T	.225 (5.72)	--------	

NOTES:
1. Reference plane.
2. Bore diameter closed to meet electrical and mechanical requirements when mated with a .0355/.0370 inch pin. (.902/.940mm)
3. With spring finger bottomed.
4. Clearance for mating connector coupling nut.
5. Patent notice: See 6.2 for U.S. patent number 4,426,127.
6. To meet mechanical and electrical requirements of MIL-PRF-31031.

FIGURE 321-2. Interface dimension, series BMA, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

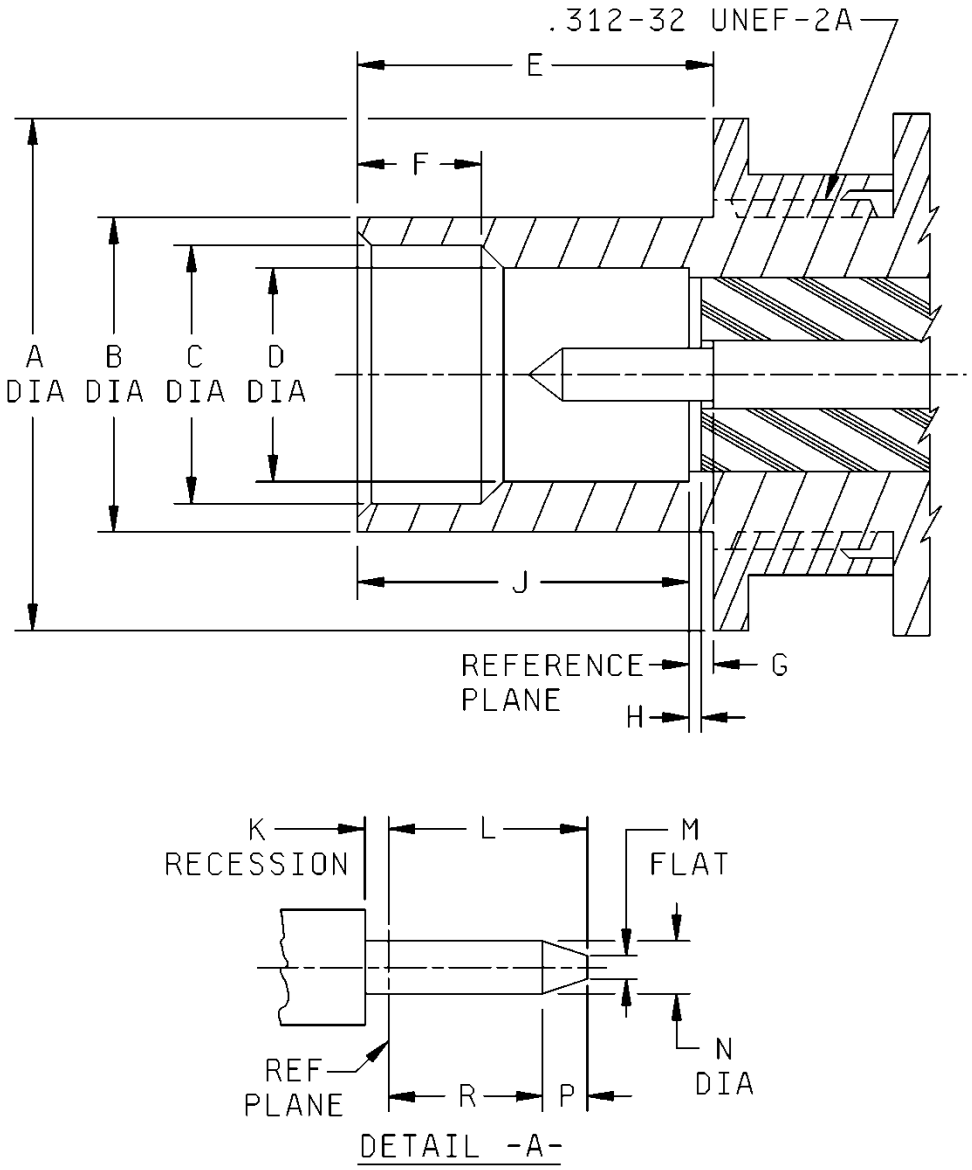


FIGURE 322-1. Interface, series BMB, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Letter	Inches (mm)	
	Minimum	Maximum
A	--------	.468 (11.89)
B	--------	.272 (6.91)
C	.223 (5.66)	--------
D	.1805 (4.58)	.1835 (4.66)
E	.272 (6.91)	--------
F	.090 (2.29)	.100 (2.54)
G	.000 (.00)	.010 (0.25)
H	.000 (.00)	.010 (0.25)
J	.240 (6.10)	.250 (6.35)
K	.000 (0.00)	.010 (0.25)
L	--------	.100 (2.54)
M	--------	.015 (0.38)
N	.0355 (0.90)	.0370 (0.94)
P	.015 (0.38)	--------
R	.050 (1.27)	--------

NOTES:
1. Patent notice: See 6.2 for U.S. patent number 4,358,174.
2. Unless otherwise specified, tolerances shall be ±.005 inch.

FIGURE 322-1. Interface, series BMB, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

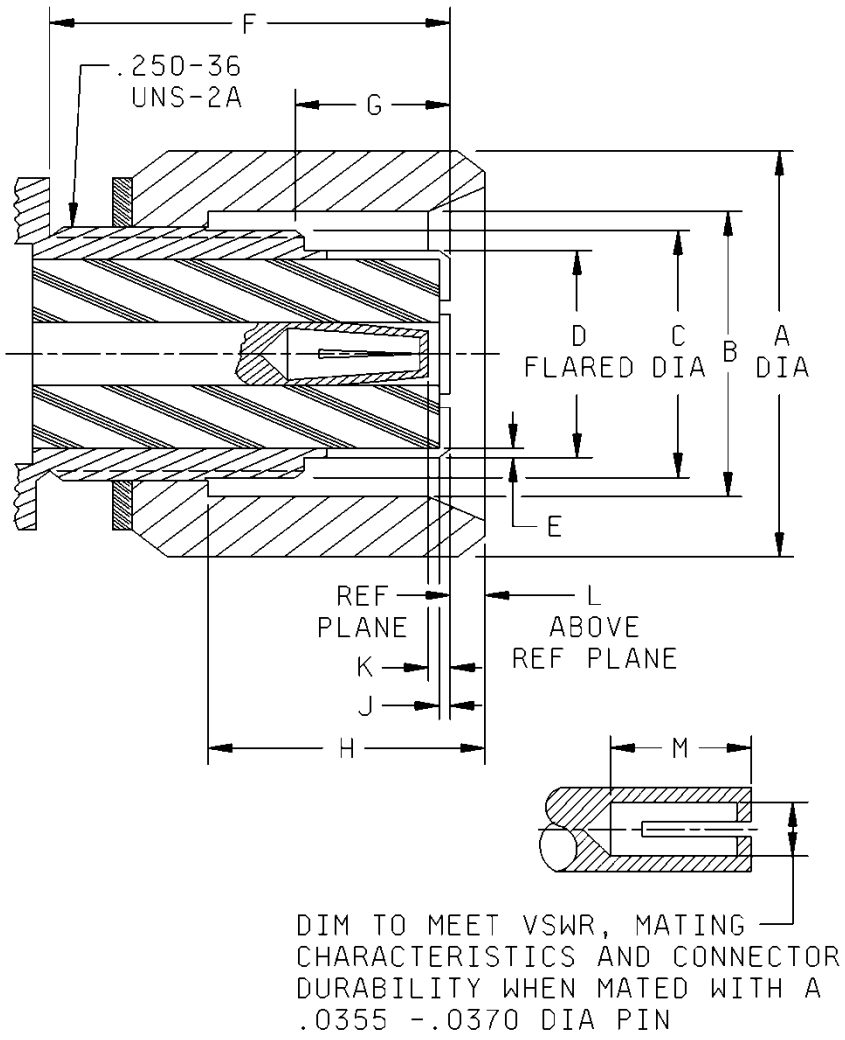


FIGURE 322-2. Interface, series BMB, socket contact.

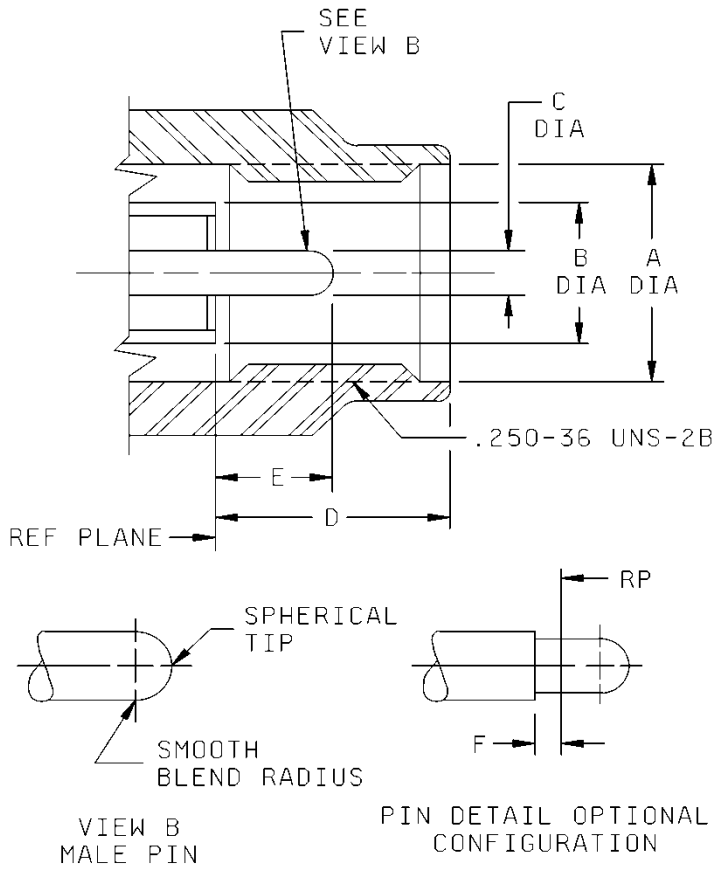
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Letter	Inches (mm)	
	Minimum	Maximum
A	--------	.468 (11.89)
B	.275 (6.99)	--------
C	--------	.222 (5.64)
D	.184 (4.67)	.187 (4.75)
E	.005 (.13) nominal	
F	.438 (11.13)	.442 (11.23)
G	.159 (4.04)	.169 (4.29)
H	.278 (7.06)	--------
J	.000 (0.00)	.010 (0.25)
K	.000 (0.00)	.010 (0.25)
L	.000 (0.00)	.012 (0.30)
M	.115 (2.92)	

NOTES:
1. Patent notice: See 6.2 for U.S. patent number 4,358,174.
2. Unless otherwise specified, all tolerances shall be ±.005 inch.

FIGURE 322-2. Interface, series BMB, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
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Letter	Inches (mm)	
	Minimum	Maximum
A	.255 (6.48)	--------
B	.178 (4.52)	.180 (4.57)
C	.0355 (0.90)	.0370 (0.94)
D	--------	.135 (3.43)
E	.055 (1.40)	.065 (1.65)
F	.000 (0.00)	.005 (0.13)

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. The location of the contact support bead shall not be extended beyond the reference plane.
4. All undimensioned areas including counterbore are to be in accordance with series SMA pin contact interface as specified in this standard.
5. Sealing gasket optional but not required.

FIGURE 323-1. Interface, series SMK, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

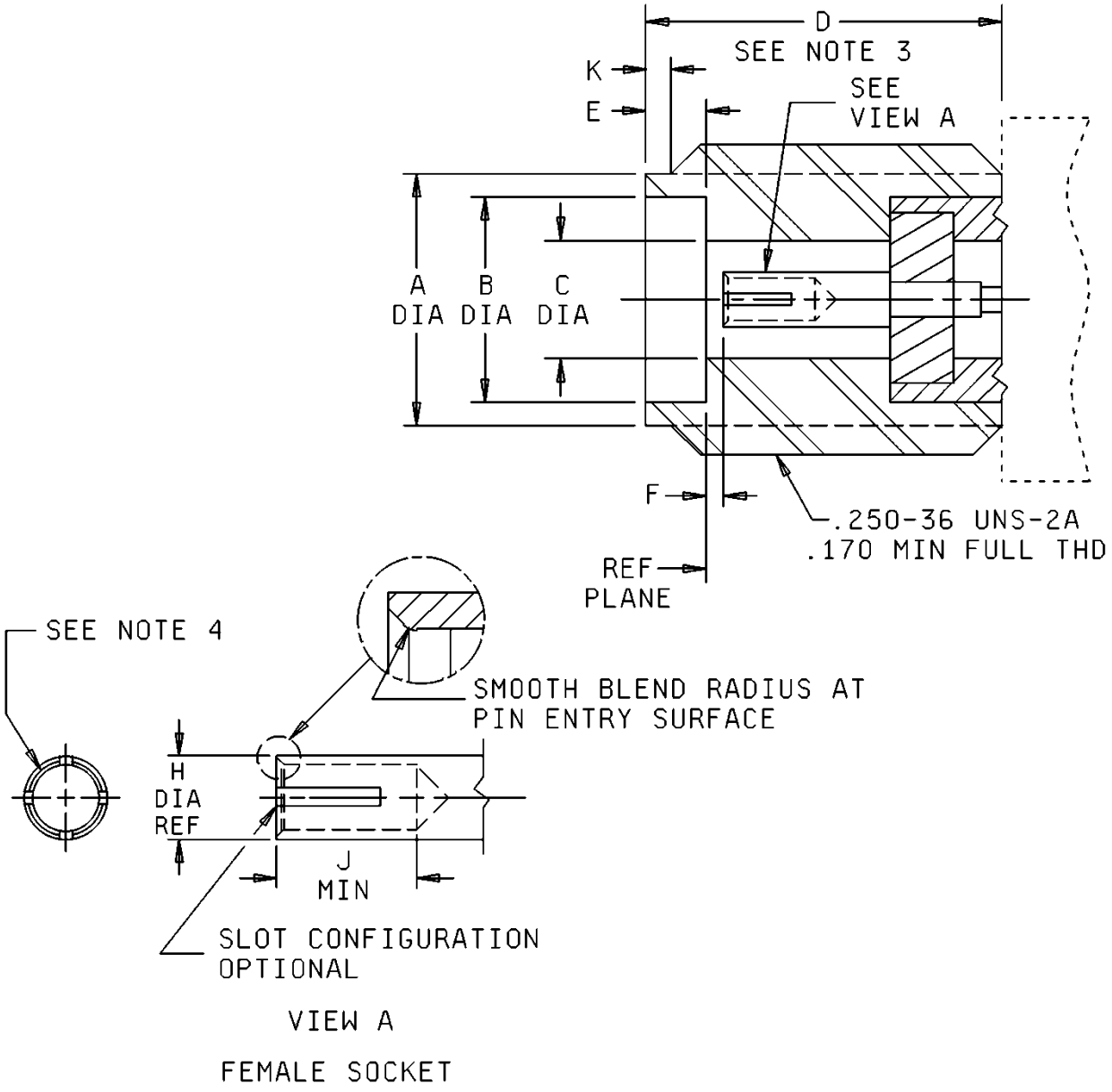


FIGURE 323-2. Interface, series SMK, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Letter	Inches (mm)	
	Minimum	Maximum
A	.206 (5.23)	.216 (5.44)
B	.181 (4.60)	.183 (4.65)
C	.114 (2.90)	.116 (2.95)
D	.218 (5.54)	-------
E	.074 (1.88)	.078 (1.98)
F	.000 (.00)	.005 (.13)
G	See note 4	See note 4
H	.050 (1.27) Ref.	
J	.105 (2.67)	--------
K	.015 (0.38)	.045 (1.14)

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information purposes only.
3. Clearance for mating connector coupling nut.
4. Dimensions to meet VSWR, mating characteristics, and connector durability when mated with a .0355 (0.90 mm)/.0370 (0.94 mm) diameter pin.

FIGURE 323-2. Interface, series SMK, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

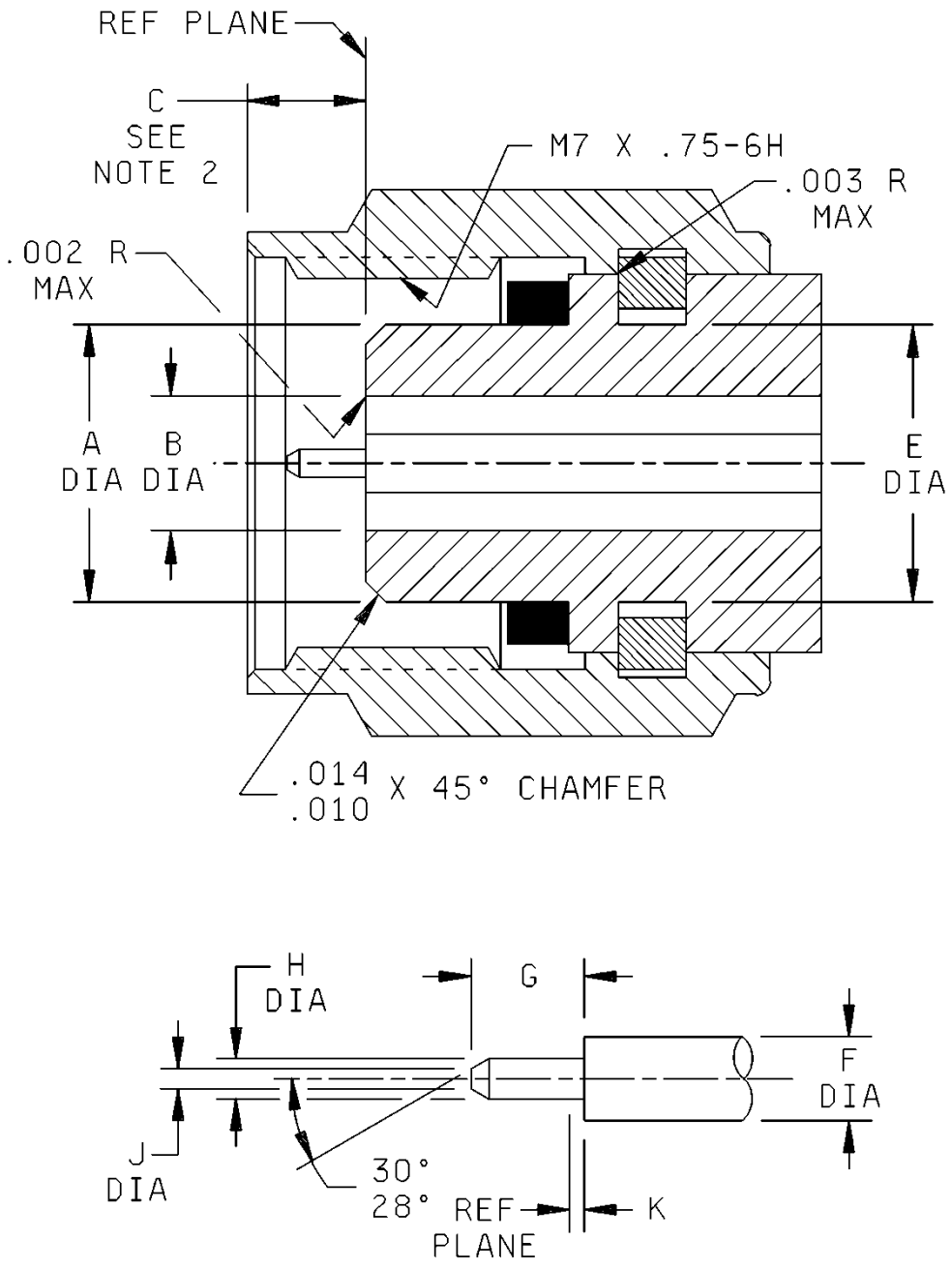


FIGURE 324-1. Interface dimensions (2.4 mm) pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Letter	Millimeters (Inches)	
	Minimum	Maximum
A	4.725 (.186)	4.75 (.187)
B	2.393 (.094)	2.408 (.095)
C	1.85 (.073)	2.45 (.096)
E	4.75 (.187)	4.85 (.191)
F	1.035 (.0407)	1.05 (.0413)
G	1.34 (.053)	1.45 (.057)
H	0.498 (.0196)	0.523 (.0206)
J	---------	0.25 (.010)
K	0.00 (.000)	0.08 (.003)

NOTES.:

1. Thread length is from the end of the coupling nut, 4.37 mm (.172 inch) minimum, 0.63 mm (.025 inch) ±0.25 mm (.010 inch).
2. With coupling nut biased in the forward direction.
3. Dimensions are in millimeters.
4. Inch-pound equivalents are given for information only.
5. Counter bore 7 mm (.276 inch) minimum.

FIGURE 324-1. Interface dimensions (2.4 mm) pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

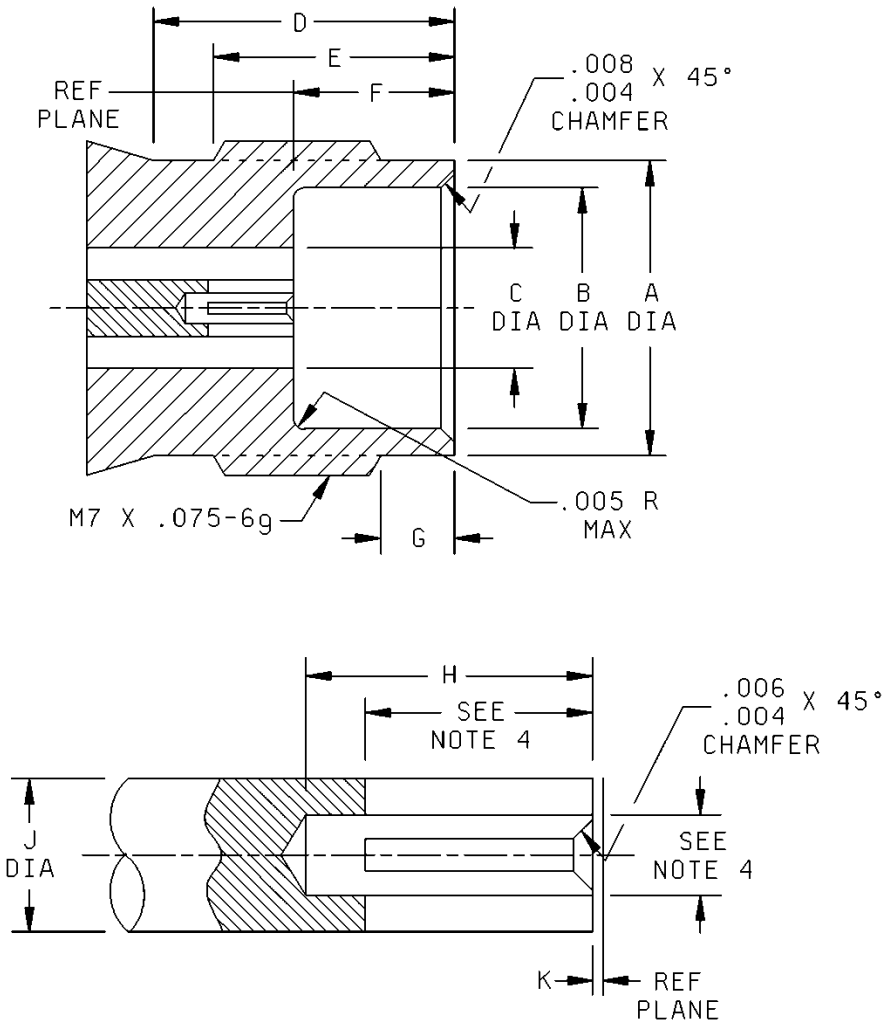


FIGURE 324-2. Interface dimensions (2.4 mm) socket contact.

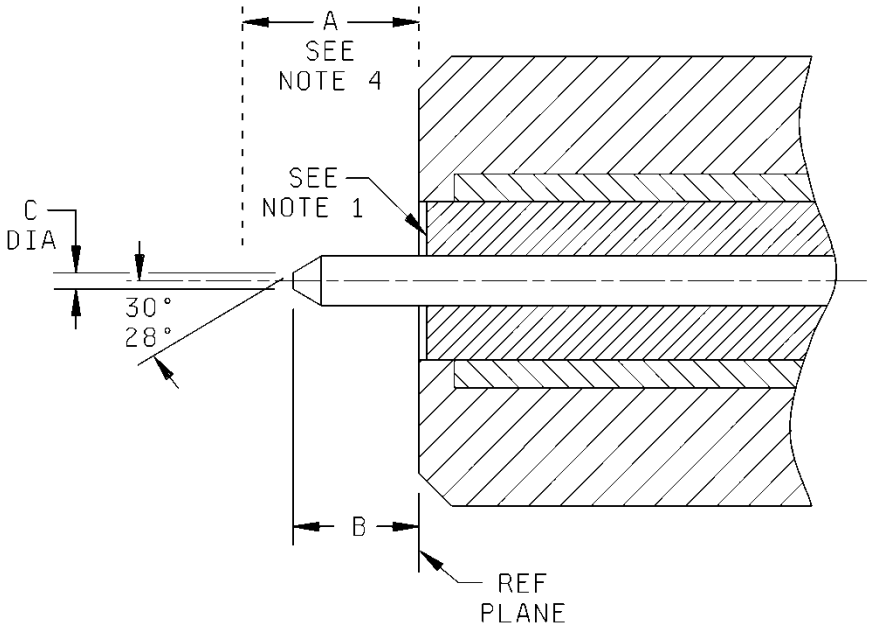
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Letter	Millimeters (Inches)	
	Minimum	Maximum
A	5.79 (.228)	5.89 (.232)
B	4.77 (.1878)	4.80 (.189)
C	2.393 (.094)	2.408 (.095)
D	6.00 (.236)	--------
E	4.80 (.189)	5.06 (.199)
F	3.00 (.118)	3.10 (.122)
G	1.37 (.054)	1.63 (.064)
H	2.65 (.104)	--------
J	1.035 (.04075)	1.05 (.04134)
K	0.00 (.000)	0.076 (.003)

NOTES:
1. Dimensions are in millimeters.
2. Inch-pound equivalents are given for information only.
3. Shall meet the electrical and mechanical performance when mated with a 2.4 mm pin as specified in this standard.

FIGURE 324-2. Interface dimensions (2.4 mm) socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



THE CABLE CENTER CONDUCTOR IS USED AS THE CENTER CONTACT PIN AND SHALL BE BETWEEN .0196/.0206 DIA.

Letter	Millimeters (Inches)	
	Minimum	Maximum
A	1.85 (.073)	2.44 (.096)
B	1.27 (.050)	1.45 (.057)
C	----------	0.25 (.010)

NOTES.

1. Insulator to be flush to .0762mm (.003inch) below reference plane.
2. All unspecified dimensions to meet 2.4 mm pin contact.
3. See the manufacturers assembly instructions for cable preparation.
4. With coupling nut biased in the forward direction.

FIGURE 324-3. 2.4 mm Connector Interface without contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

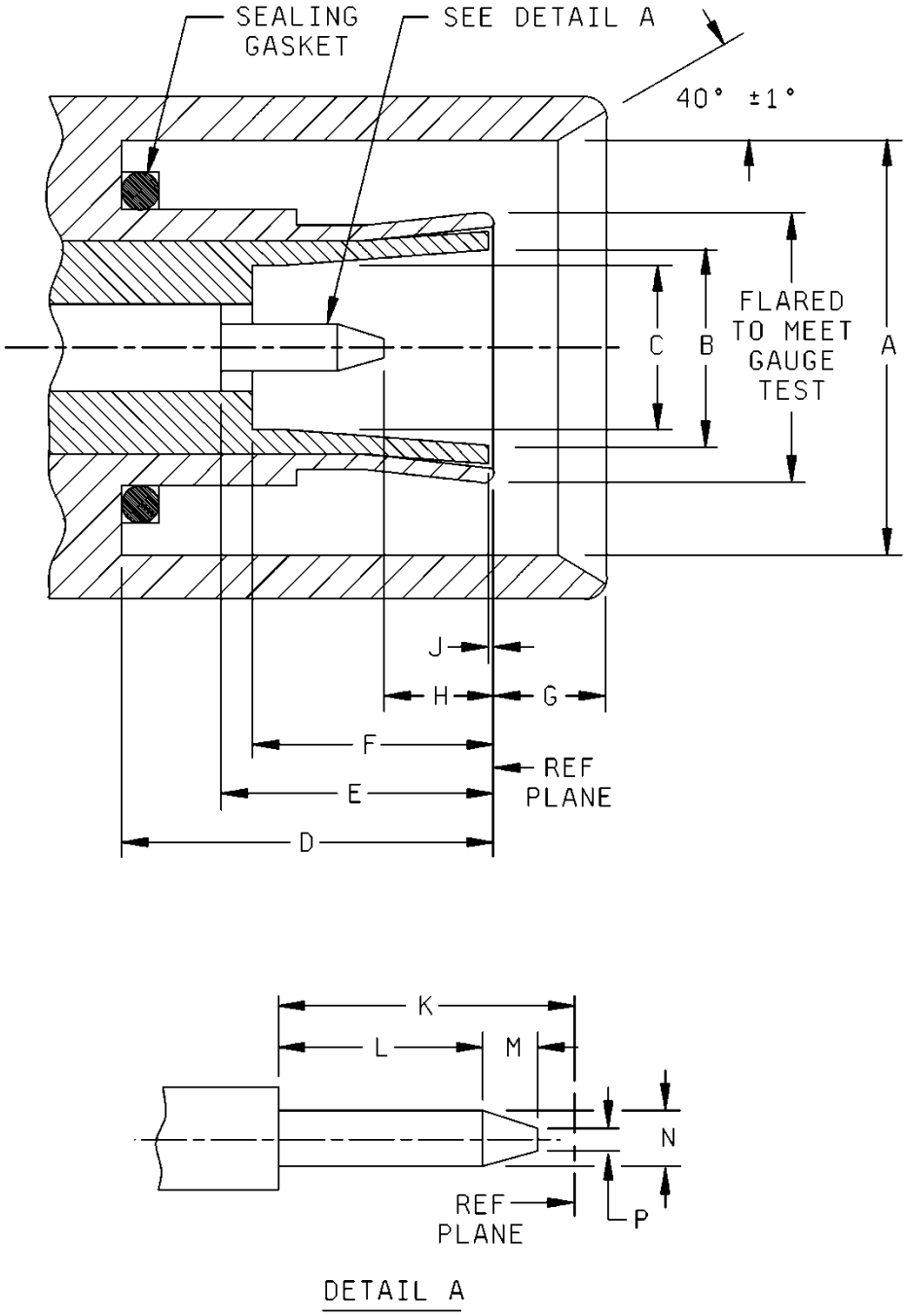


FIGURE 325-1. Interface, series BMZ, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Letter	Inches (mm)	
	Minimum	Maximum
A	.184 (4.67)	--------
B	.087 (2.21)	--------
C	.062 (1.57)	--------
D	.197 (5.00)	.203 (5.16)
E	.130 (3.30)	--------
F	.130 (3.30)	--------
G	.055 (1.40)	.065 (1.65)
H	.030 (0.76)	--------
J	.000 (0.00)	.010 (0.25)
K	.130 (3.30)	--------
L	.060 (1.52)	--------
M	.015 (0.38)	--------
N	.0195 (0.50)	.0210 (0.53)
P	--------	.011 (0.28)

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information purposes only.

FIGURE 325-1. Interface, series BMZ, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

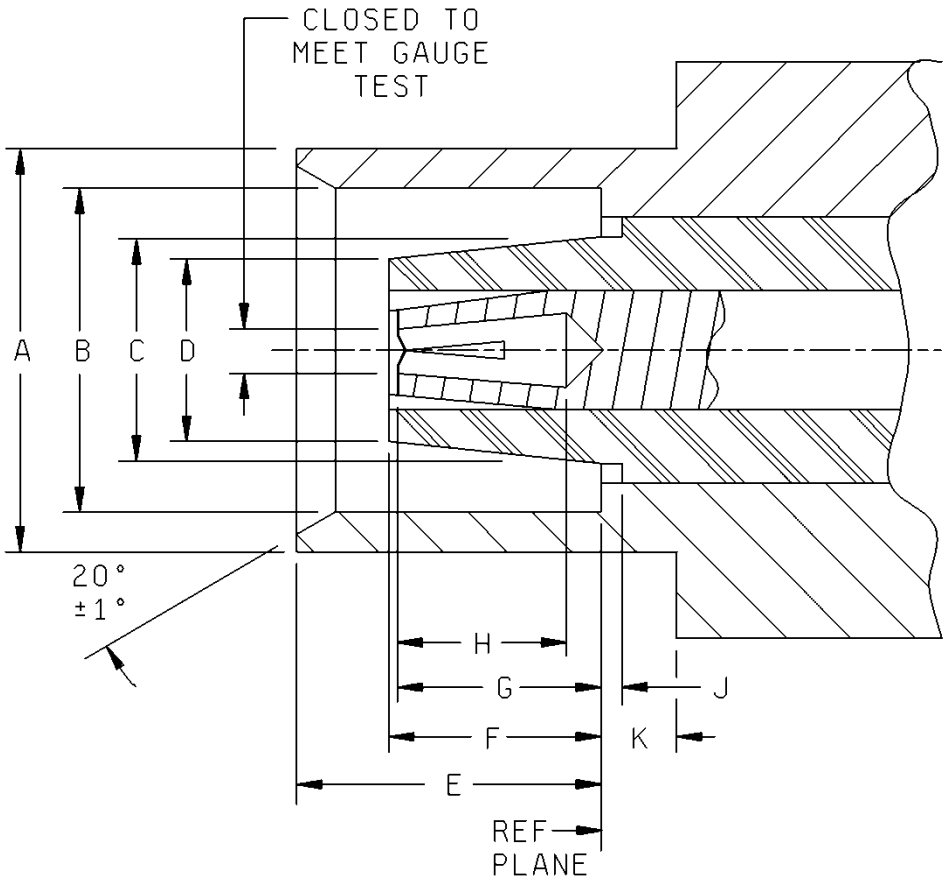


FIGURE 325-2. Interface, series BMZ, socket contact.

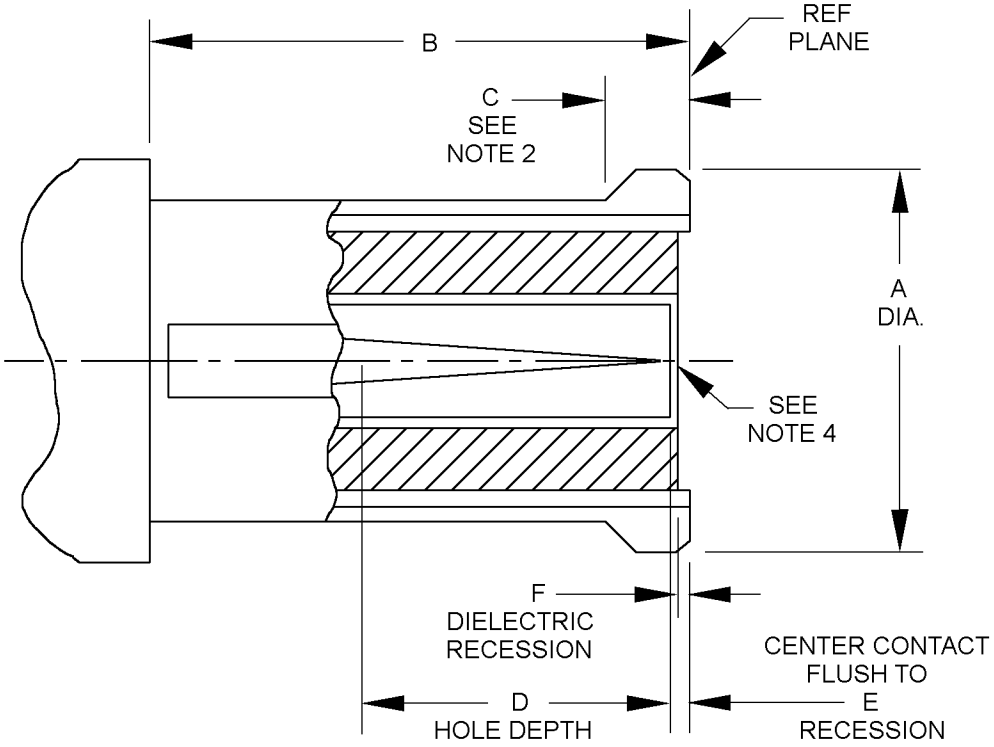
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Letter	Inches (mm)	
	Minimum	Maximum
A	--------	.182 (4.62)
B	--------	.131 (3.33)
C	--------	.087 (2.21)
D	--------	.062 (1.57)
E	.182 (4.62)	.188 (4.78)
F	--------	.130 (3.30)
G	--------	.130 (3.30)
H	.095 (2.41)	--------
J	.000 (0.00)	.010 (0.25)
K	.070 (1.78)	--------

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information purposes only.

FIGURE 325-2. Interface, series BMZ, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

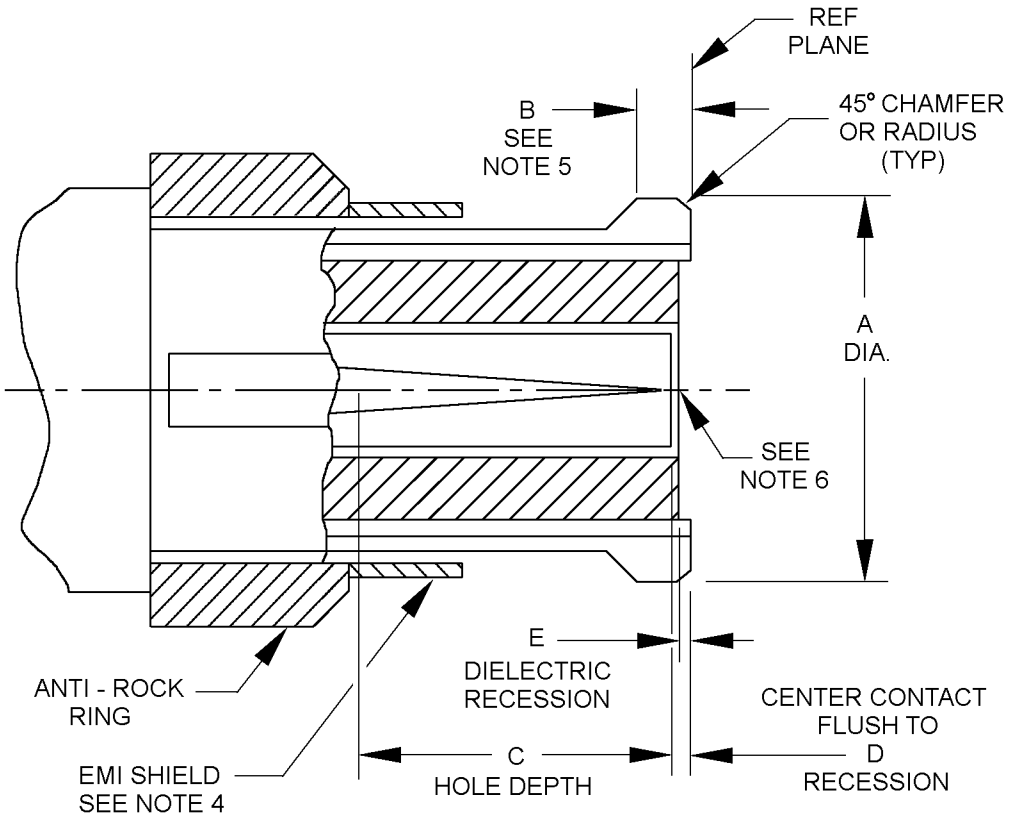


Letter	Inches (mm)	
	Minimum	Maximum
A	--------	.135 (3.43)
B	.112 (2.84)	--------
C	.018 (0.46)	.025 (0.64)
D	.070 (1.78)	--------
E	.000	.008 (0.20)
F	.000 (0.00)	--------

NOTES:
1. Dimensions are in inches. Metric equivalents are given for information purposes only.
2. Form and dimension of outer conductor to meet electrical and mechanical requirements.
3. Interface shall meet the force to engage and disengage requirements in accordance with DSCC drawing 94007.
4. Dimension to meet force to engage and disengage in accordance with specification or drawing.

FIGURE 326-1. Interface, series SMP, socket contact (uncabled connector).

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Letter	Inches (mm)	
	Minimum	Maximum
A	---------	.135 (3.43)
B	---------	.0235
C	.070 (1.78)	---------
D	.000	.008 (0.20)
E	.000 (0.00)	---------

Notes:
1. Dimensions are in inches.
2. Metric equivalents are given for information purposes only.
3. Interface shall meet the force to engage and disengage requirements in accordance with DSCC drawing 94008.
4. EMI shield configuration optional. Shall not prevent proper engagement with any required detent. To meet mechanical and electrical requirements of DSCC drawing 94008.
5. Form and dimension of outer conductor to meet electrical and mechanical requirements.
6. Dimension to meet force to engage and disengage in accordance with specification or drawing.

FIGURE 326-1a. Interface, series SMP, socket contact (cabled connector).

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

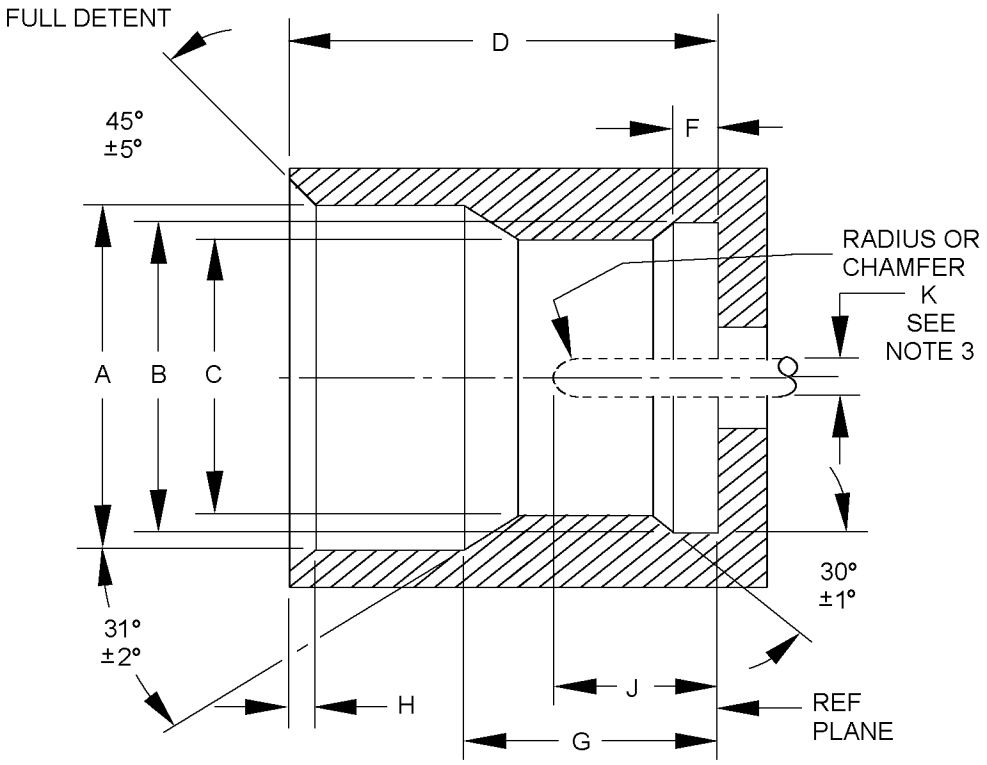


FIGURE 326-2. Interface, series SMP, pin contact, full detent.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Letter	Inches (mm)	
	Minimum	Maximum
A	.139 (3.53)	.145 (3.68)
B	.124 (3.15)	.126 (3.20)
C	.115 (2.92)	.117 (2.97)
D	.108 (2.74)	.112 (2.84)
E	----------	----------
F	.0205 (0.521)	.0235 (0.597)
G	.073 (1.85)	.077 (1.96)
H	.003 (0.08)	.008 (0.20)
J	.045 (1.14)	.055 (1.40)
K	.014 (0.36)	.016 (0.41)

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information purposes only.
3. Pin may not be supplied with shroud, refer to the applicable specification.

FIGURE 326-2. Interface, series SMP, pin contact, full detent – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

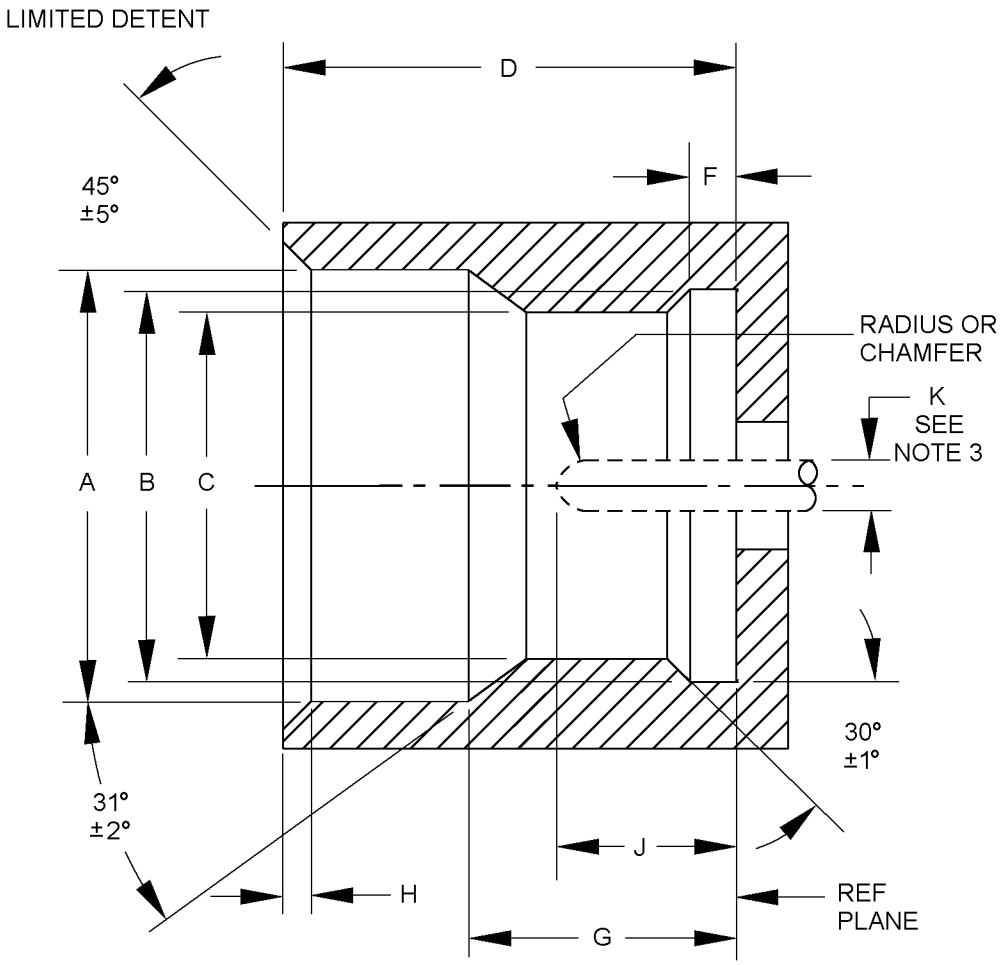


FIGURE 326-3. Interface, series SMP, pin contact, limited detent.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Letter	Inches (mm)	
	Minimum	Maximum
A	.139 (3.53)	.145 (3.68)
B	.124 (3.15)	.126 (3.20)
C	.119 (3.02)	.121 (3.07)
D	.108 (2.74)	.112 (2.84)
E	----------	----------
F	.0205 (0.521)	.0235 (0.597)
G	.073 (1.85)	.077 (1.96)
H	.003 (0.08)	.008 (0.20)
J	.045 (1.14)	.055 (1.40)
K	.014 (0.36)	.016 (0.41)

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information purposes only.
3. Pin may not be shipped with shroud, refer to applicable specification.

FIGURE 326-3. Interface, series SMP, pin contact, limited detent – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

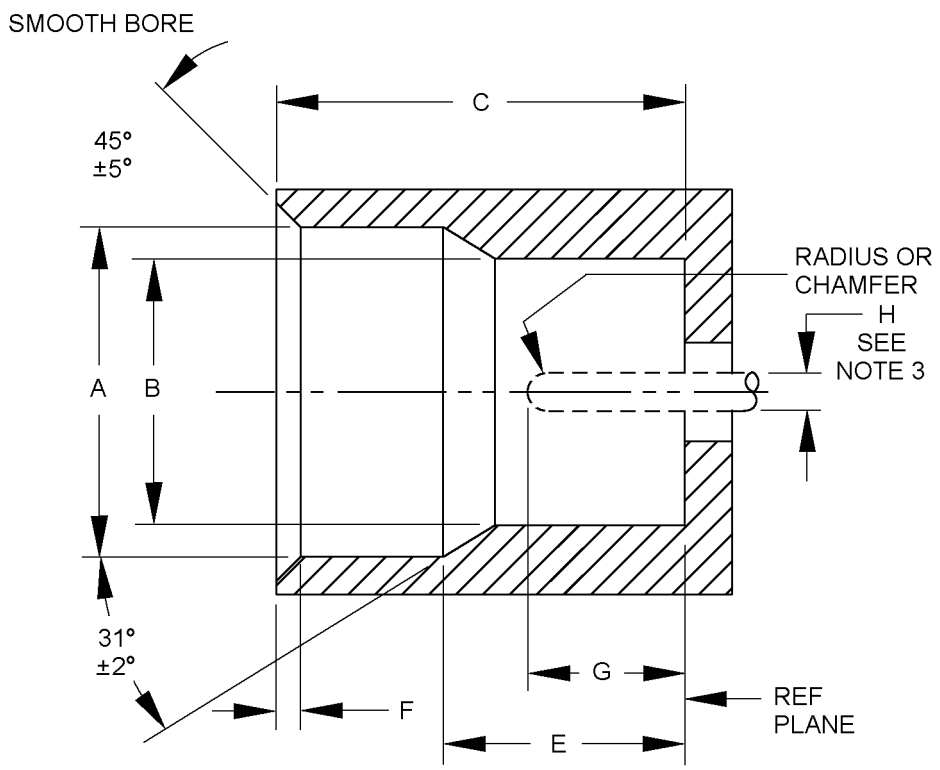


FIGURE 326-4. Interface, series SMP, pin contact, smooth bore.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Letter	Inches (mm)	
	Minimum	Maximum
A	.139 (3.53)	.145 (3.68)
B	.124 (3.15)	.126 (3.20)
C	.108 (2.74)	.112 (2.84)
D	--------	--------
E	.073 (1.85)	.077 (1.96)
F	.003 (0.08)	.008 (0.20)
G	.045 (1.14)	.055 (1.40)
H	.014 (0.36)	.016 (0.41)

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information purposes only.
3. Pin may not be supplied with shroud, refer to applicable specification.

FIGURE 326-4. Interface, series SMP, pin contact, smooth bore – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

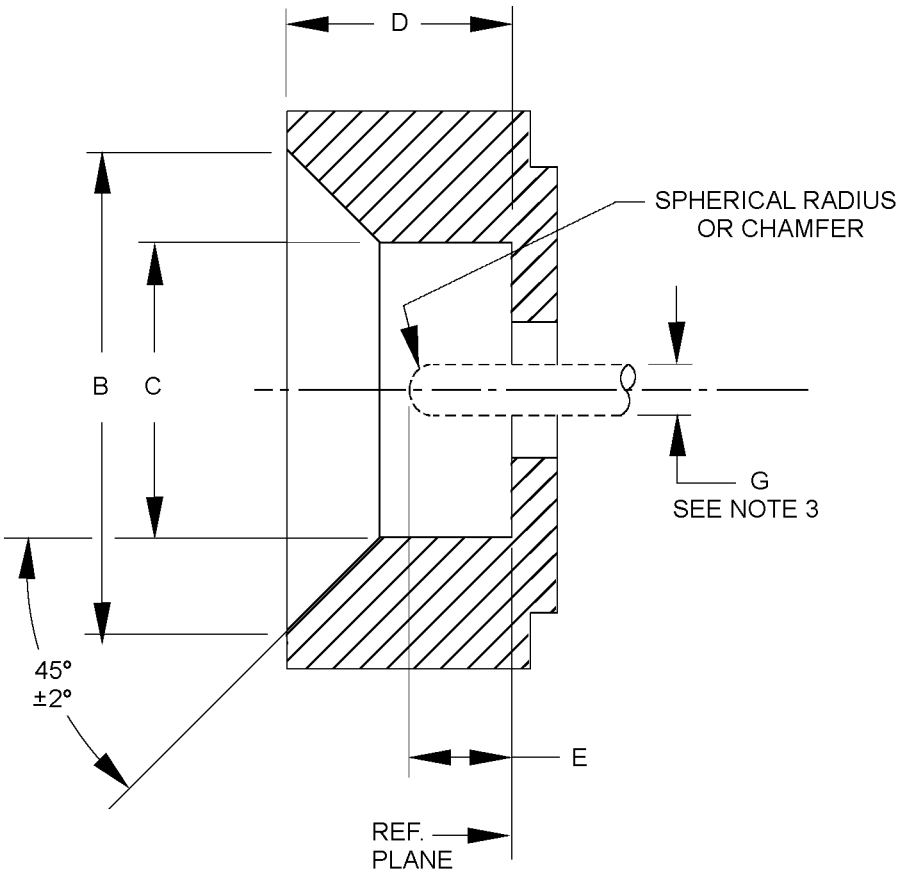


FIGURE 326-5. Interface, series SMP, pin contact, catchers mit.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Letter	Inches (mm)	
	Minimum	Maximum
A	--------	--------
B	.212 (5.38)	.218 (5.54)
C	.124 (3.15)	.126 (3.20)
D	.108 (2.74)	.112 (2.84)
E	.045 (1.14)	.055 (1.40)
F	--------	--------
G see note 3	.014 (0.36)	.016 (.41)

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information purposes only.
3. Pin may not be supplied with shroud, refer to applicable specification.

FIGURE 326-5. Interface, series SMP, pin contact, catchers mit – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

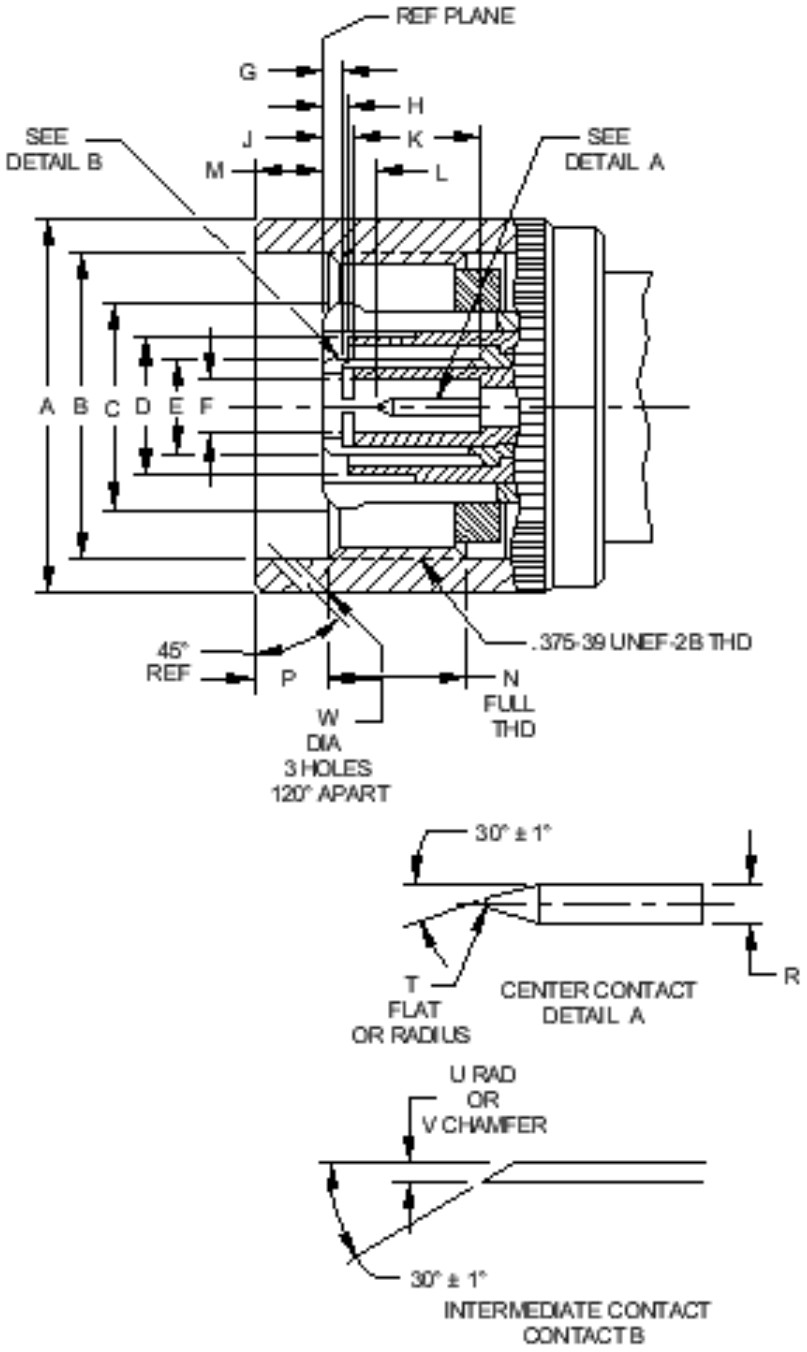


FIGURE 327-1. Interface, series DBA, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Ltr.	Inches (millimeter)	
	Min.	Max.
A	--------	.460 (11.68)
B	.378 (9.60)	.384 (9.75)
C	.250 (6.35)	.256 (6.50)
D	.170 (4.32)	.174 (4.42)
E	.124 (3.15)	.128 (3.25)
F	.067 (1.70)	.070 (1.78)
G	.004 (0.10)	.027 (0.69)
H	.024 (0.61)	--------
J	.009 (0.23)	.037 (0.94)
K	.162 (4.11)	.164 (4.17)
L	.019 (0.48)	.072 (1.83)
M	.084 (2.13)	.105 (2.67)
N	.156 (3.96)	--------
P	.082 (2.08)	.088 (2.24)
R	.017 (0.43)	.019 (0.48)
T	--------	.006 (0.15)
U	.005 (0.13)	.010 (0.25)
V	.006 (0.15)	.014 (0.36)
W	.027 (0.69)	--------

NOTES:
1. Metric equivalents are in parentheses.

FIGURE 327-1. Interface, series DBA, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

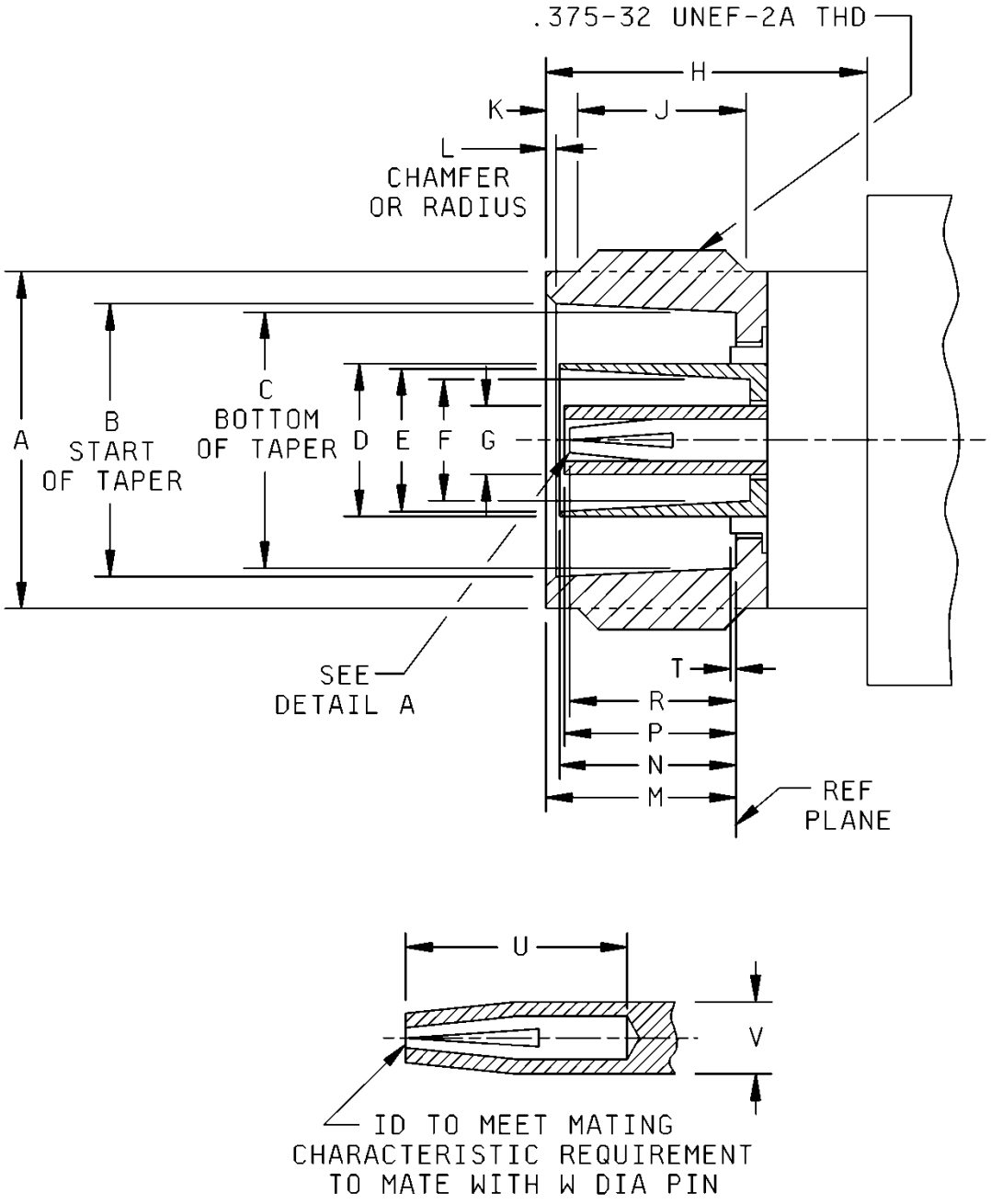


FIGURE 327-2. Interface, series DBA, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

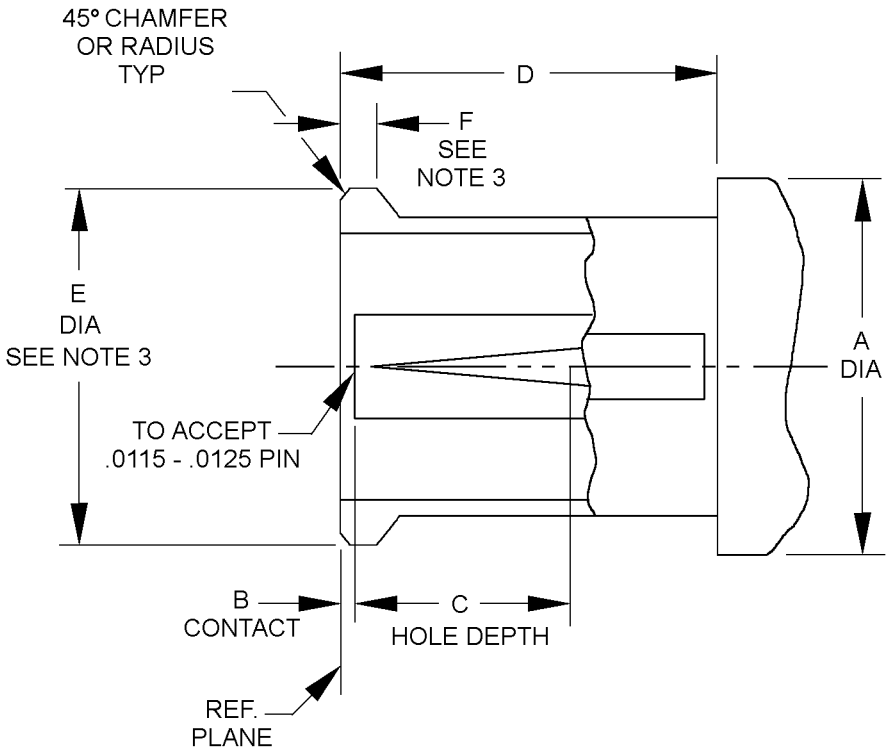
seri

Ltr.	Inches (millimeter)	
	Min.	Max.
A	.292 (7.42)	.298 (7.57)
B	.271 (6.88)	.277 (7.04)
C	.251 (6.38)	.257 (6.53)
D	.141 (3.58)	.146 (3.71)
E	.135 (3.43)	.137 (3.48)
F	.113 (2.87)	.115 (2.92)
G	.064 (1.63)	.066 (1.68)
H	.297 (7.54)	--------
J	.150 (3.81)	--------
K	.025 (0.64)	.035 (0.89)
L	.003 (0.08)	.007 (0.18)
M	.177 (4.50)	.183 (4.65)
N	.155 (3.94)	.183 (4.65)
P	.155 (3.94)	.181 (4.60)
R	.153 (3.89)	.183 (4.65)
T	--------	.010 (0.25)
U	.147 (3.73)	.170 (4.32)
V	.028 (0.71)	.034 (0.86)
W	.017 (0.43)	.019 (0.48)

NOTES:
1. Metric equivalents are in parentheses.
2. When nut is biased fully forward the maximum dimension permitted is .060. When nut is biased fully back the minimum dimension is .016.

FIGURE 327-2. Interface, series DBA, socket contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

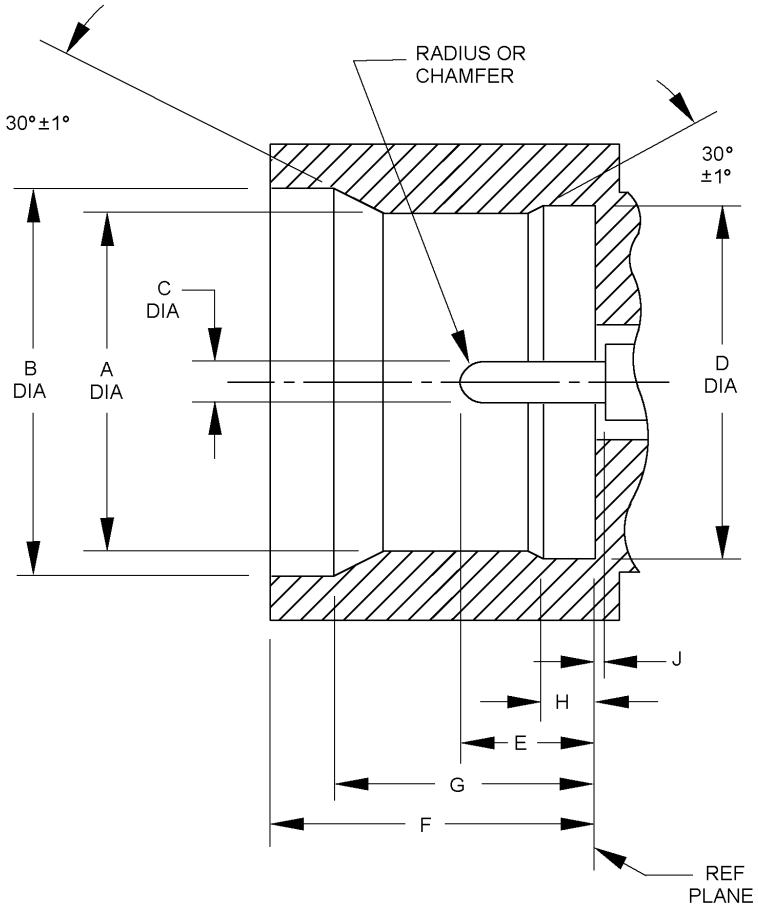


Letter	Inches (mm)	
	Minimum	Maximum
A dia.	---------	.110 (2.79)
B	.000 (0.00)	.008 (0.20)
C	.050 (1.27)	---------
D	.072 (1.83)	---------
E dia.	---------	.095 (2.41)
F	---------	.023 (0.58)

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information purposes only.
3. Features to meet mechanical/electrical requirements when mated with SMPM pin interface.

FIGURE 328-1. Interface, series SMPM, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

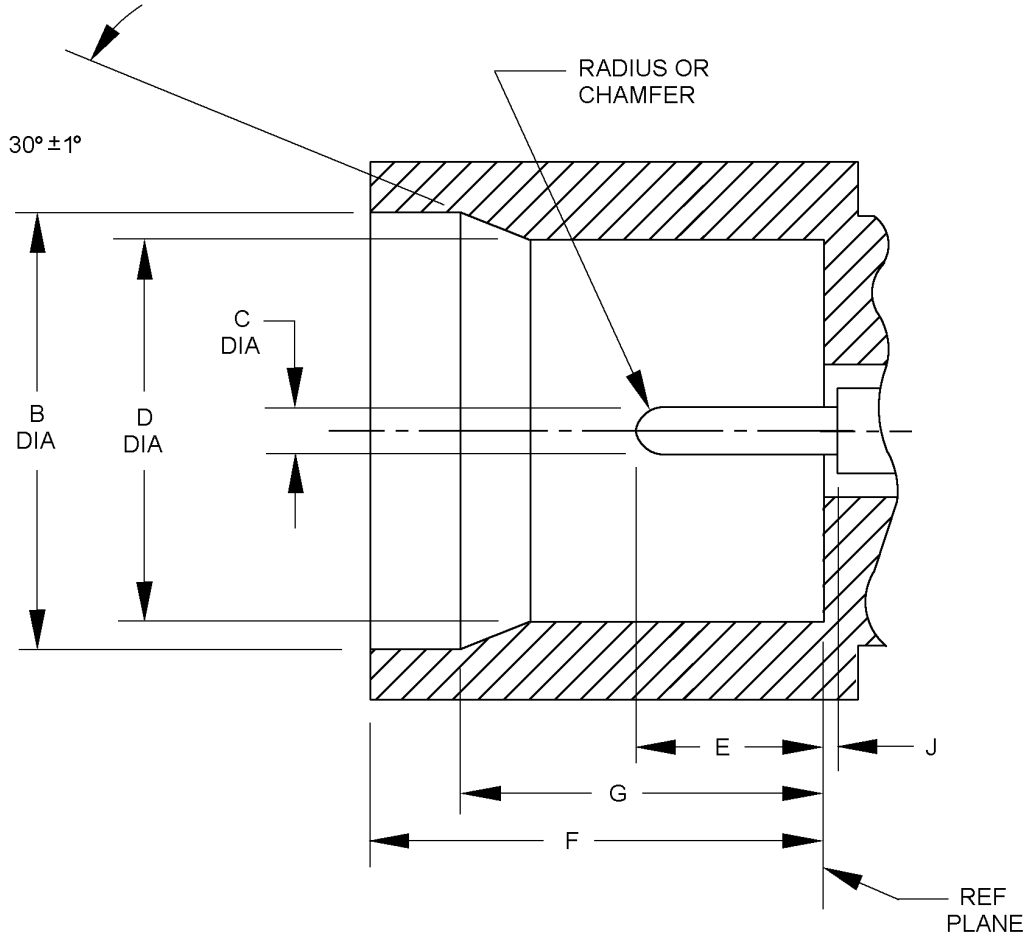


Letter	Inches (mm)	
	Minimum	Maximum
A dia.	.083 (2.11)	.085 (2.16)
B dia.	.111 (2.82)	.115 (2.92)
C dia.	.0115 (0.29)	.0125 (0.32)
D dia.	.086 (2.18)	.088 (2.24)
E	.030 (0.76)	.045 (1.14)
F	.082 (2.08)	.084 (2.13)
G	.062 (1.57)	.072 (1.83)
H	.021 (0.53)	.023 (0.58)
J	.000 (0.00)	---------

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information purposes only.

FIGURE 328-2. Interface, series SMPM, pin contact, (full detent).

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

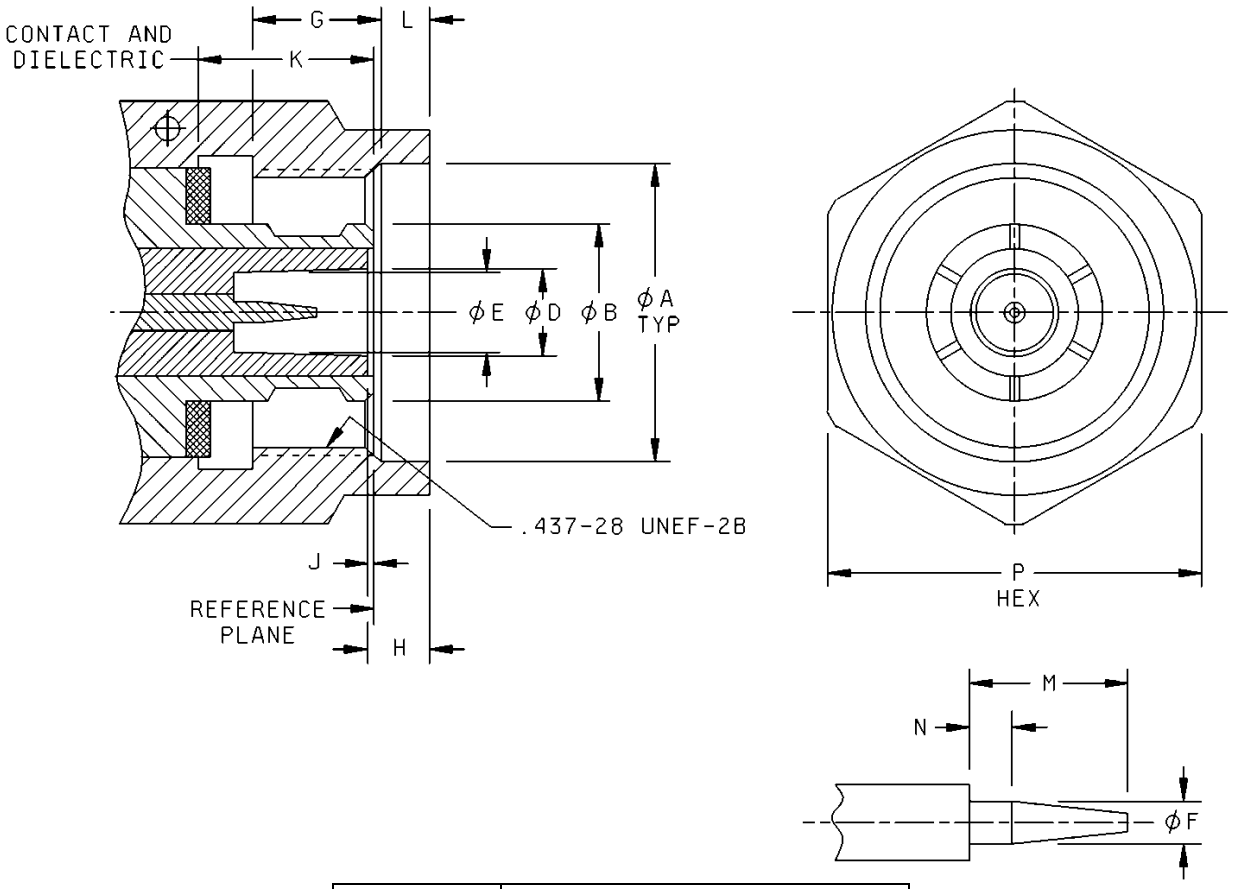


Letter	Inches (mm)	
	Minimum	Maximum
A dia.	----------	----------
B dia.	.111 (2.82)	.115 (2.92)
C dia.	.0115 (0.29)	.0125 (0.32)
D dia.	.086 (2.18)	.088 (2.24)
E	.030 (0.76)	.045 (1.14)
F	.082 (2.08)	.084 (2.13)
G	.062 (1.57)	.072 (1.83)
J	.000 (0.00)	--------

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information purposes only.

FIGURE 328-3. Interface, series SMPM, pin contact (smooth bore).

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Letter	Inches (mm)	
	Minimum	Maximum
A dia.	.440 (11.18)	---------
B dia.	.242 (6.15)	.246 (6.25)
D dia.	.124 (3.15)	.126 (3.20)
E dia.	.114 (2.90)	.116 (2.95)
F dia.	.0335 (0.851)	.0345 (0.876)
G	.175 (4.45)	.215 (5.46)
H	.074 (1.88)	.096 (2.44)
J	.000 (0.00)	.004 (0.10)
K	.209 (5.31)	.212 (5.38)
L	.065 (1.65)	.085 (2.16)
M	.120 (3.05)	.130 (3.30)
N	.030 (0.76)	.040 (1.02)
P	.562 (14.27)	

NOTES:
1. When fully engage, the two reference planes must coincide with metal to metal contact.
2. Metric equivalents are given for information purposes only.

FIGURE 329-1. Interface, series TK, pin contact, slotted outer contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

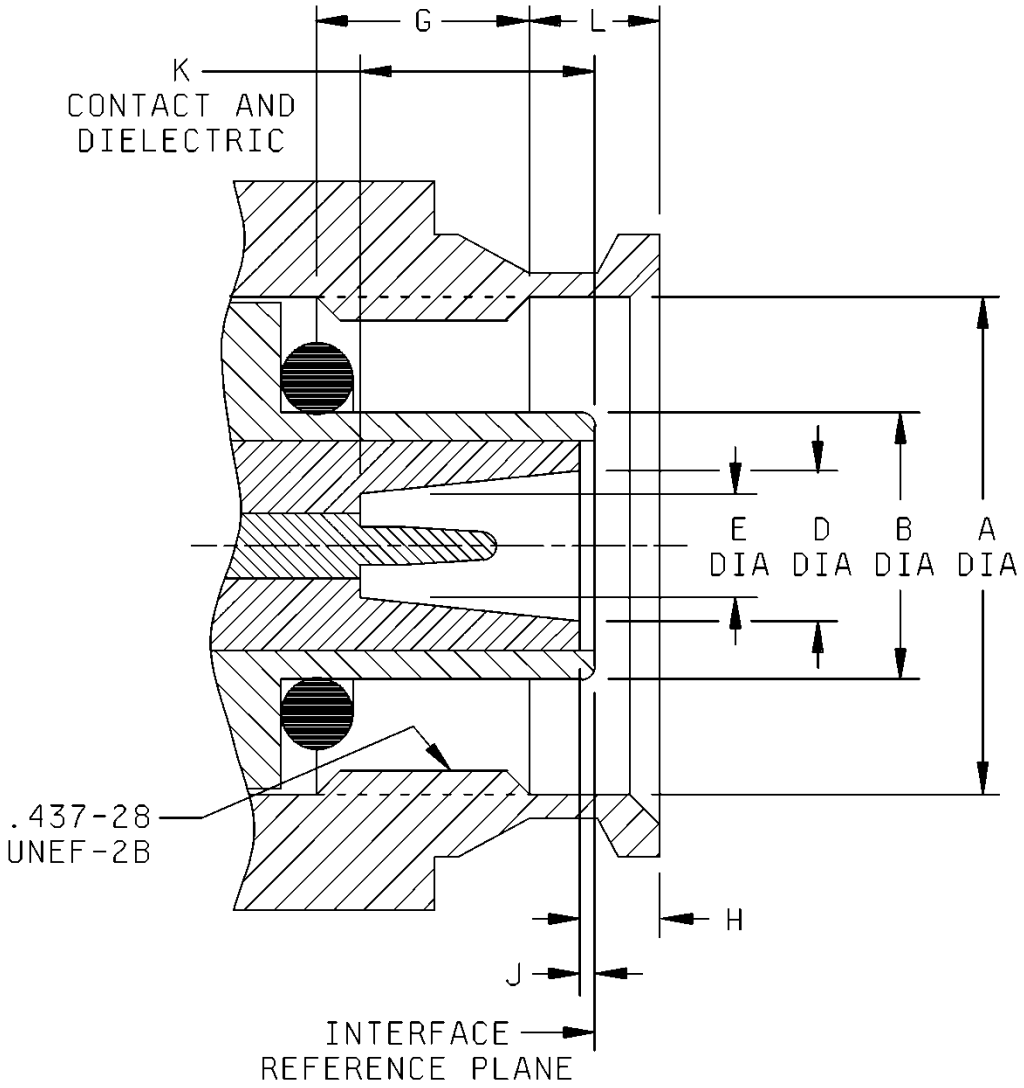
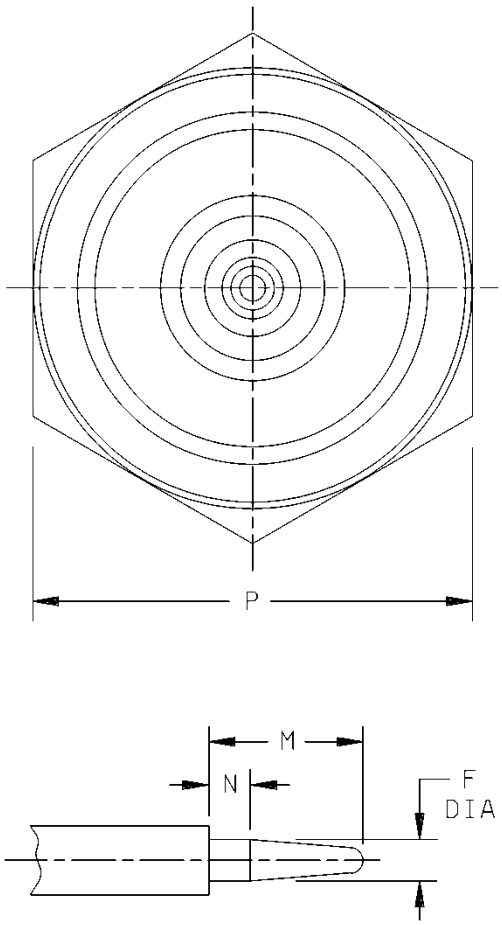


FIGURE 329-1a. Interface, series TK, pin contact, unslotted outer contact.

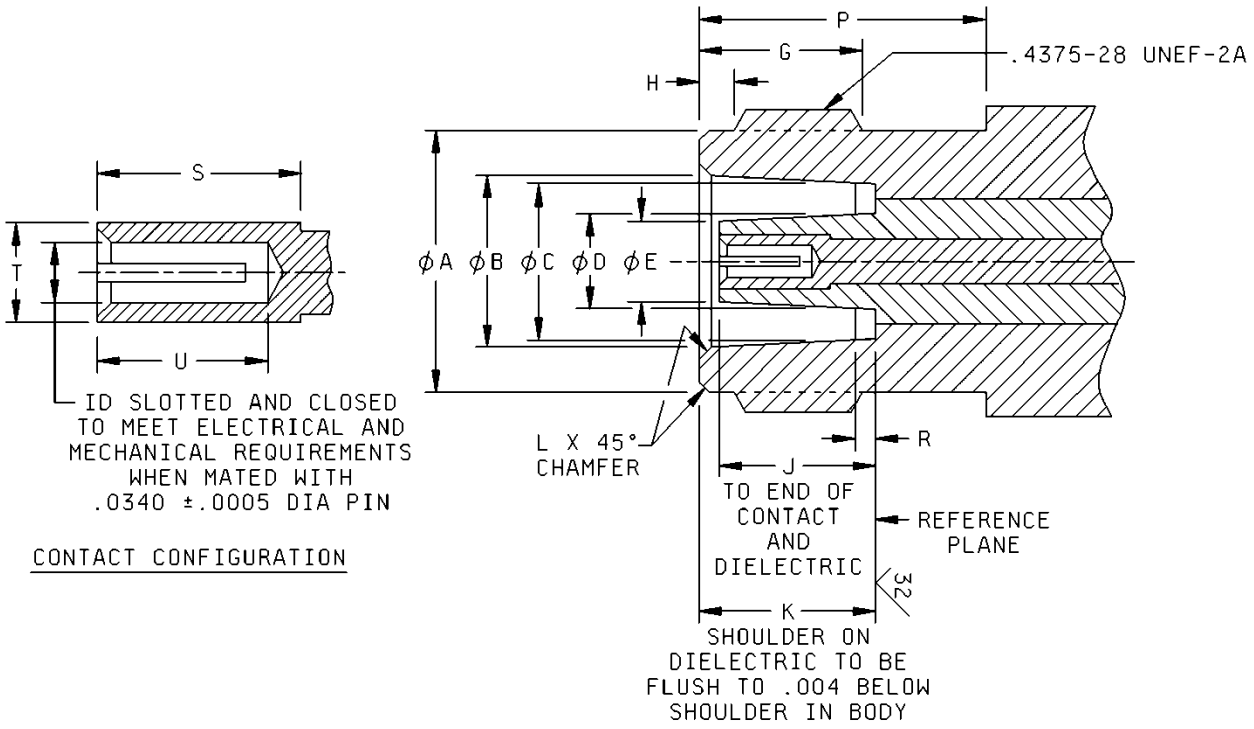
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Letter	Inches (mm)	
	Minimum	Maximum
A	.440 (11.18)	---------
B	.2370 (6.020)	.2380 (6.045)
D	.124 (3.15)	.126 (3.20)
E	.114 (2.90)	.116 (2.95)
F	.0335 (0.851)	.0345 (0.876)
G	.173 (4.39)	.215 (5.46)
H	.074 (1.88)	.095 (2.44)
J	.000 (0.00)	.004 (0.10)
K	.209 (5.31)	.212 (5.38)
L	.063 (1.60)	.085 (2.16)
M	.120 (3.05)	.130 (3.30)
N	.030 (0.76)	.040 (1.02)

FIGURE 329-1a. Interface, series TK, pin contact, unslotted outer contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Letter	Inches (mm)	
	Minimum	Maximum
A dia.	.365 (9.27)	.375 (9.53)
B dia.	.250 (6.35)	.255 (6.48)
C dia.	.239 (6.07)	.241 (6.12)
D dia.	.122 (3.10)	.124 (3.15)
E dia.	.112 (2.84)	.114 (2.90)
G	.235 (5.97)	.245 (6.22)
H	.055 (1.40)	.065 (1.65)
J	.205 (5.21)	.208 (5.28)
K	.227 (5.77)	.233 (5.92)
L	.010 (0.25)	.020 (0.51)
P	.340 (8.64)	---
R	.025 (0.64)	.035 (0.89)
S	.120 (3.05)	.130 (3.30)
T	.0567 (1.440)	.0577 (1.466)
U	.145 (3.68)	---

NOTES:
1. When fully engaged, the two reference planes must coincide with metal to metal contact.
2. Metric equivalents are given for information purposes only.

FIGURE 329-2. Interface, series TK. socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

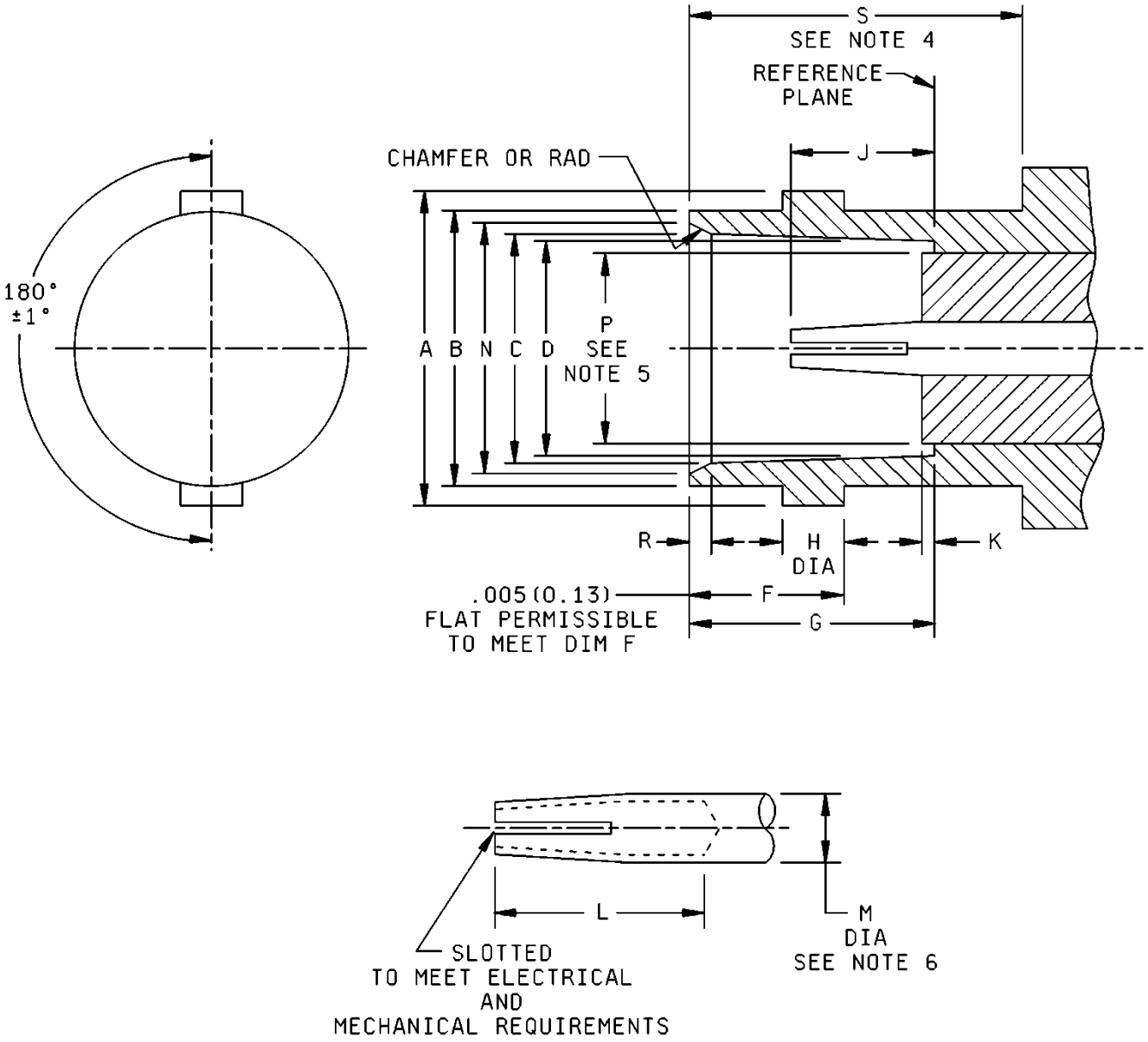


FIGURE 330-1. Interface, series BNC, socket contact, 75 ohm.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.432 (10.97)	.436 (11.07)
B	.378 (9.60)	.382 (9.70)
C	.327 (8.31)	.333 (8.46)
D	.319 (8.10)	.321 (8.15)
F	.204 (5.18)	.208 (5.28)
G	.327(8.31)	.335 (8.51)
H	.075 (1.91)	.081 (2.06)
J	.186 (4.72)	.206 (5.23)
K	--------	.006 (0.15)
L	.195 (4.95)	--------
M	.081 (2.06)	.087 (2.21)
N	.346 (8.79)	.356 (9.04)
P	--------	.256 (6.50)
R	.015 (0.38)	.030 (0.76)
S	.414 (10.52)	--------

NOTES:
1. Dimensions are in inches. Metric equivalents are in parentheses.
2. Metric equivalents are given for general information only.
3. This interface shall meet the gauge requirements as specified in DSCC drawing or specification.
4. Clearance for mating connector coupling nut.
5. “P” dimension applies to that portion (if applicable) of dielectric which extends beyond references planes by dimension K.
6. “M” applies only over length “L”.

FIGURE 330-1. Interface, series BNC, socket contact, 75 ohm – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

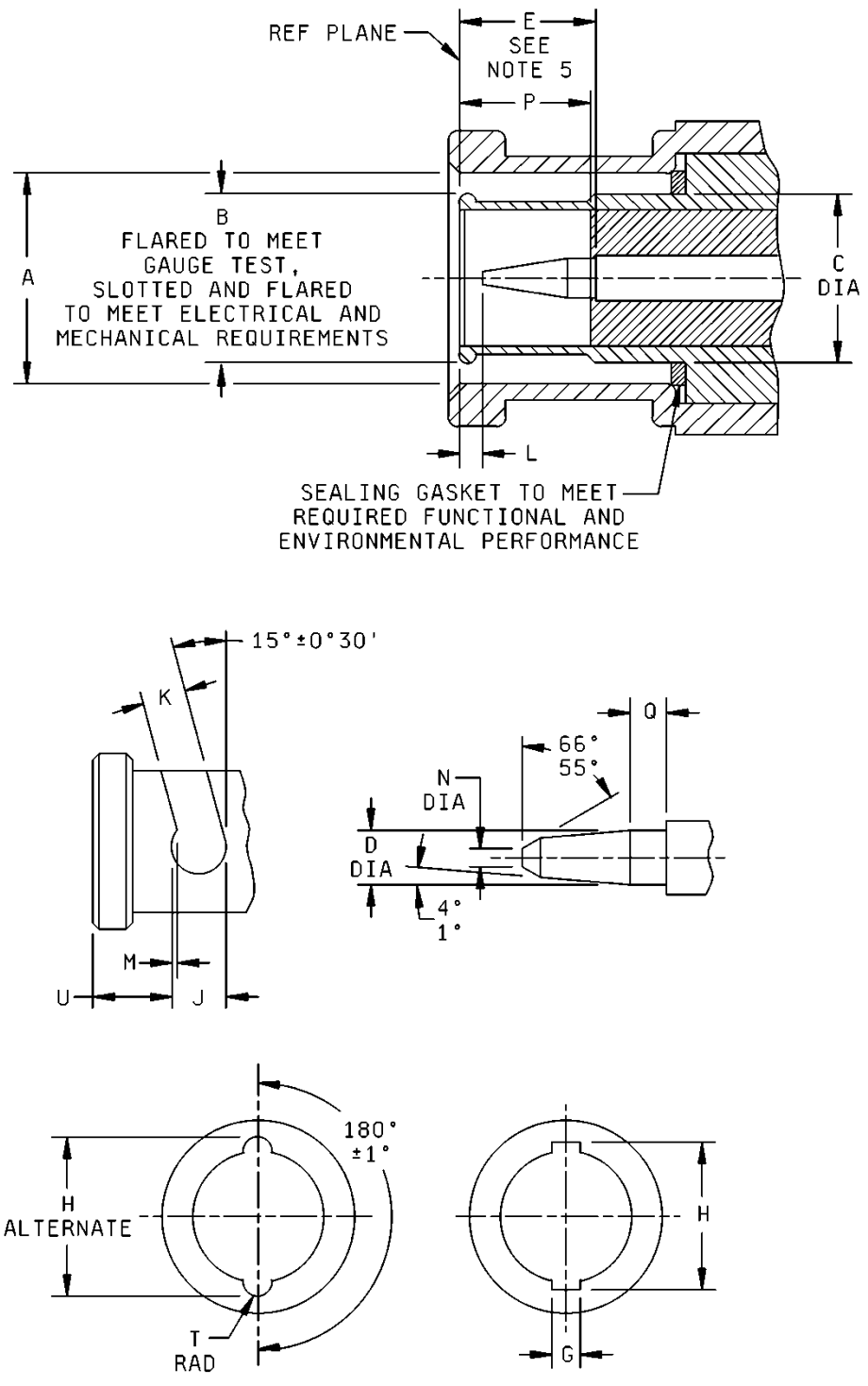


FIGURE 330-2. Interface, series BNC, pin contact, 75 ohm.

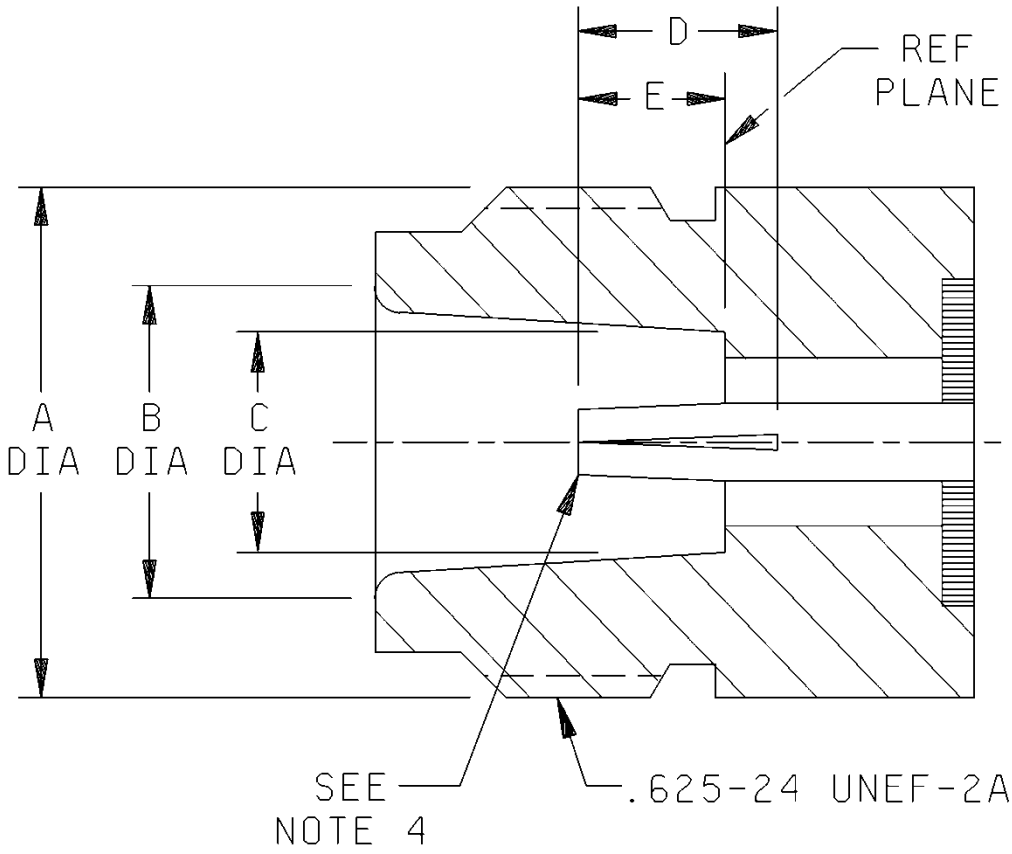
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.385 (9.78)	.390 (9.91)
B	Gauge test	
D	.052 (1.32)	.054 (1.37)
E	.210 (5.33)	.230 (5.84)
G	.091 (2.31)	.097 (2.46)
H	.463 (11.76)	.473 (12.01)
H alternate	.394 (10.01)	.400 (10.16)
J	.124 (3.15)	--------
K	.091 (2.31)	.097 (2.46)
L	.003 (0.08)	--------
M	.018 (0.46)	.022 (0.56)
N	--------	.025 (0.64)
P	.208 (5.28)	--------
Q	.078 (1.98)	--------
T	.045 (1.14)	.049 (1.24)
U	.180 (4.57)	.184 (4.67)

NOTES:
1. Dimensions are in inches. Metric equivalents are in parentheses.
2. Metric equivalents are given for general information only.
3. In the mated condition, the longitudinal force of the spring of the coupling mechanism shall exceed the pressure exerted by the sealing gasket by an amount necessary to insure butting of the outer contacts at the reference plane.
4. This interface shall meet the gauge requirements as specified.

FIGURE 330-2. Interface, series BNC, pin contact, 75 ohm – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

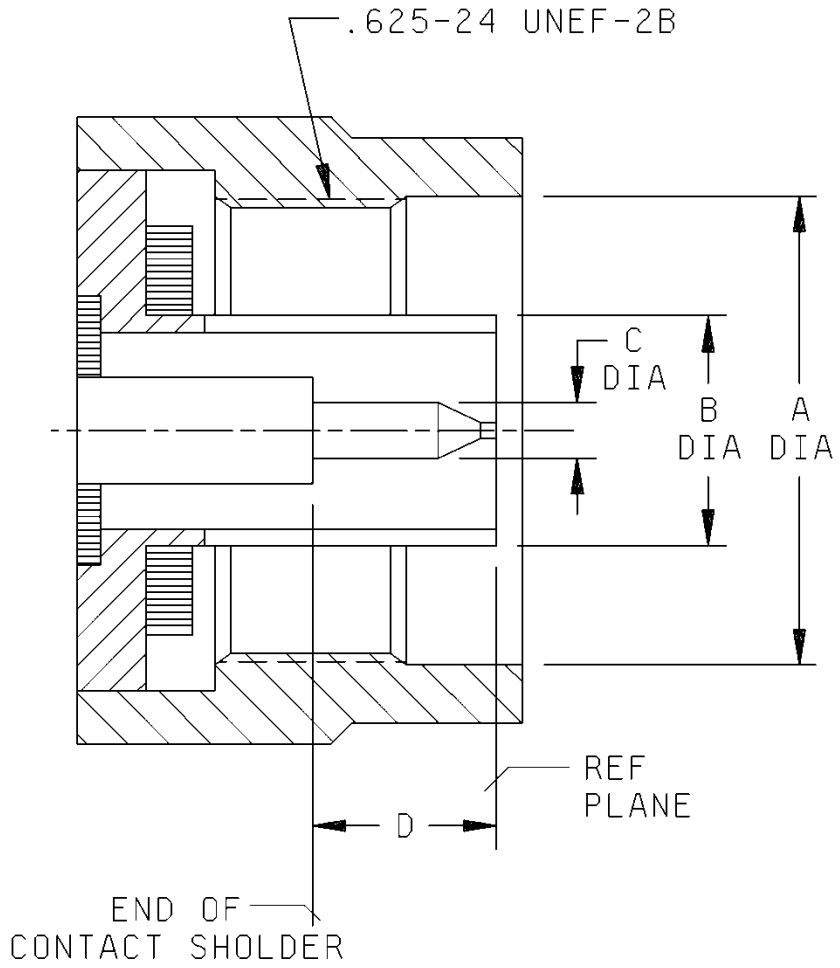


Letter	Inches (mm)	
	Minimum	Maximum
A	-------	.627 (15.93)
B	.336 (8.53)	.344 (8.74)
C	.316 (8.03)	.320 (8.13)
D	.210 (5.33)	--------
E	.187 (4.75)	.207 (5.26)

NOTES:
1. Dimensions are in inches. Metric equivalents are in parentheses.
2. Metric equivalents are given information only.
3. Utilizes standard 50Ω body with 75Ω contact/air dielectric configuration.
4. ID to meet contact resistance, mating characteristics and connector durability when mated with a .036/.037 (0.091/0.094 mm).

FIGURE 331-1. Interface, series N, socket contact, 75 ohm.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

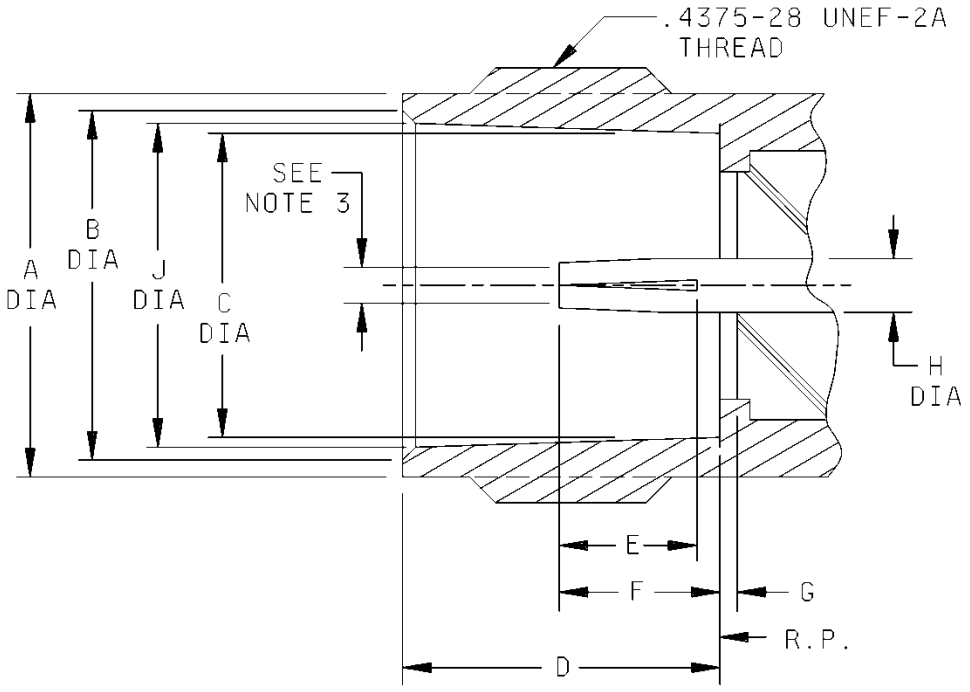


Letter	Inches (mm)	
	Minimum	Maximum
A	.630 (16.00)	--------
B	--------	.330 (8.38)
C	.036 (0.86)	.037 (0.92)
D	.210 (5.33)	.230 (5.84)

NOTES:
1. Dimensions are in inches. Metric equivalents are in parentheses and are given for information only.
2. Utilizes standard 50Ω body with 75Ω contact/air dielectric configuration.

FIGURE 331-2. Interface, series N, pin contact, 75 ohm.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

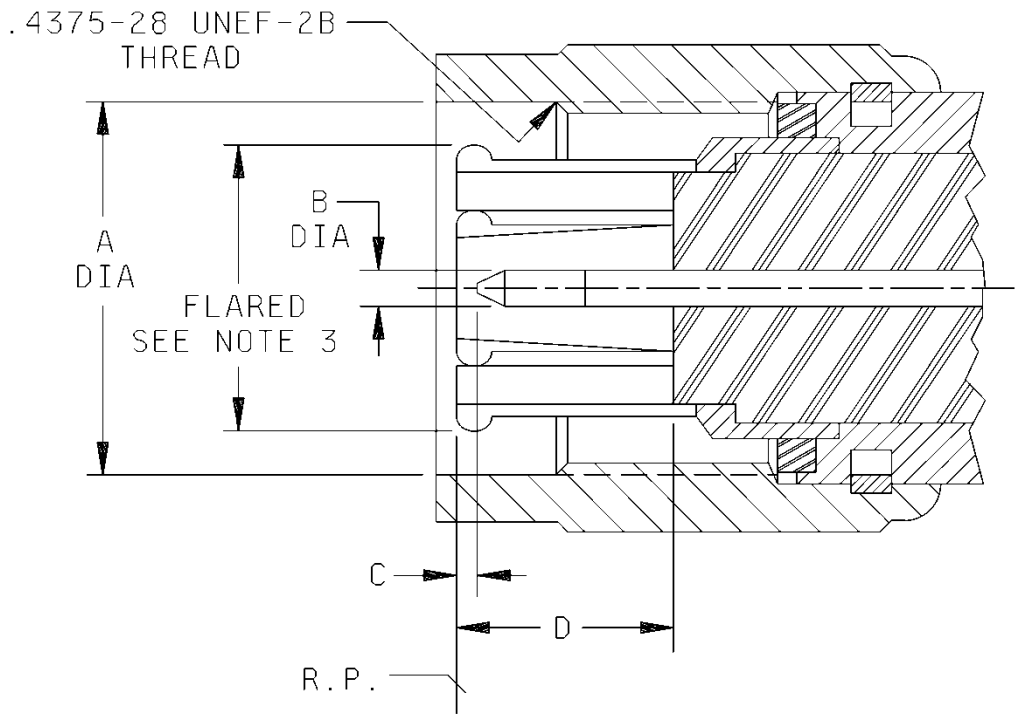


Letter	Inches (mm)	
	Minimum	Maximum
A	.378 (9.60)	.381 (9.68)
B	.346 (8.79)	.356 (9.04)
C	.319 (8.10)	.321 (8.15)
D	.327 (8.31)	.335 (8.51)
E	.195 (4.95)	--------
F	.186 (4.72)	.206 (5.23)
G	.000 (0.00)	--------
H	.081 (2.06)	.087 (2.21)
J	.327 (8.31)	.333 (8.46)

NOTES:
1. Dimensions are in inches. Metric equivalents are in parentheses.
2. Metric equivalents are given information only.
3. ID to meet contact resistance, mating characteristics and connector durability when mated with a .052/.054 (0.091/0.094 mm).
4. Utilizes standard 50Ω body with 75Ω contact/air dielectric configuration.

FIGURE 332-1. Interface, series TNC, socket contact, 75 ohm.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

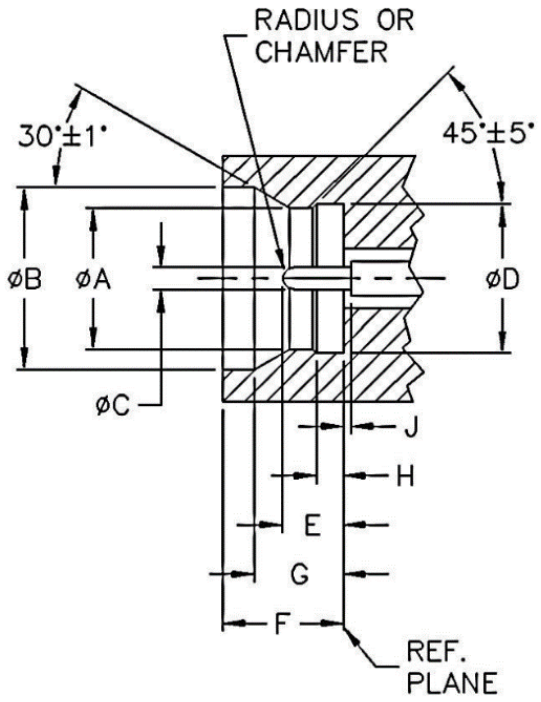


Letter	Inches (mm)	
	Minimum	Maximum
A	.440 (11.18)	--------
B	.052 (1.32)	.054 (1.37)
C	.003 (0.08)	.040 (1.02)
D	.208 (5.28)	--------

NOTES:
1. Dimensions are in inches. Metric equivalents are in parentheses.
2. Metric equivalents are given for information only.
3. Utilizes standard 50Ω body with 50Ω contact dia./75Ω air dielectric configuration. See standard 50 ohm TNC pin contact interface in this military standard.

FIGURE 332-2. Interface, series TNC, pin contact, 75 ohm.

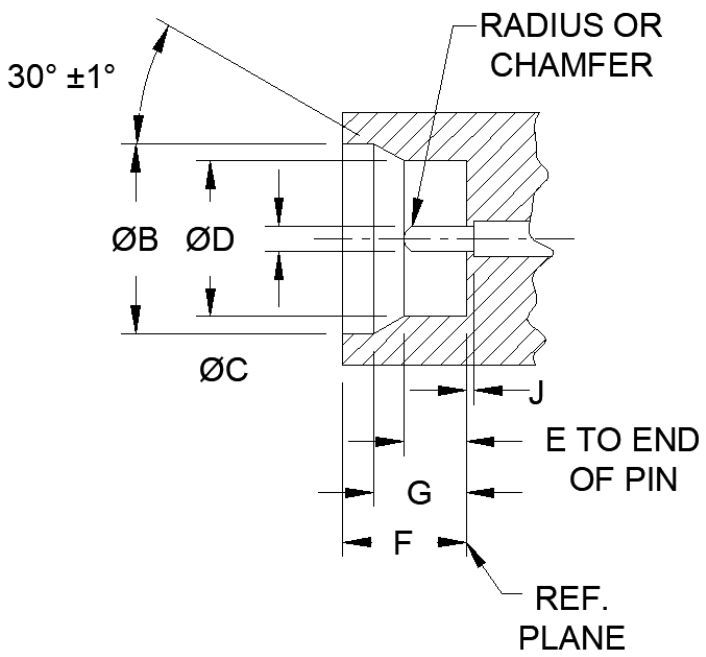
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Ref.	Inches	
	Min.	Max.
A	.057	.058
B	.073	.075
C	.0085	.0095
D	.059	.061
E	.020	.030
F	.048	.050
G	.033	.041
H	.010	.012
J	.000	

FIGURE 333-1. Interface, Series SMP3, Pin Contact, Full Detent

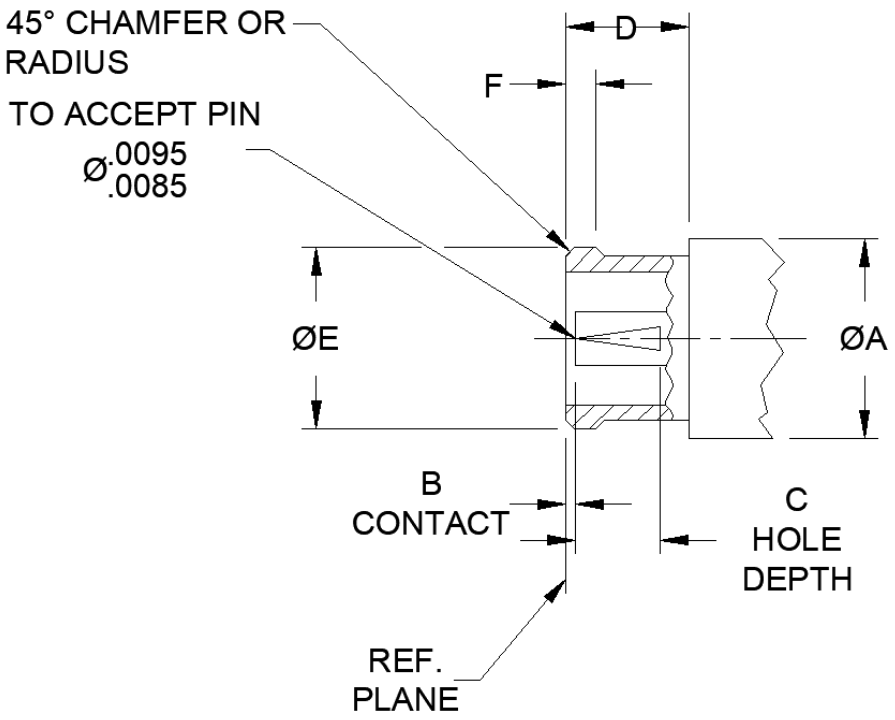
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Ref.	Inches	
	Min.	Max.
B	.073	.075
C	.0085	.0095
D	.059	.061
E	.020	.030
F	.048	.050
G	.033	.041
J	.000	

FIGURE 333-2. Interface, Series SMP3, Pin Contact, Smooth Bore.

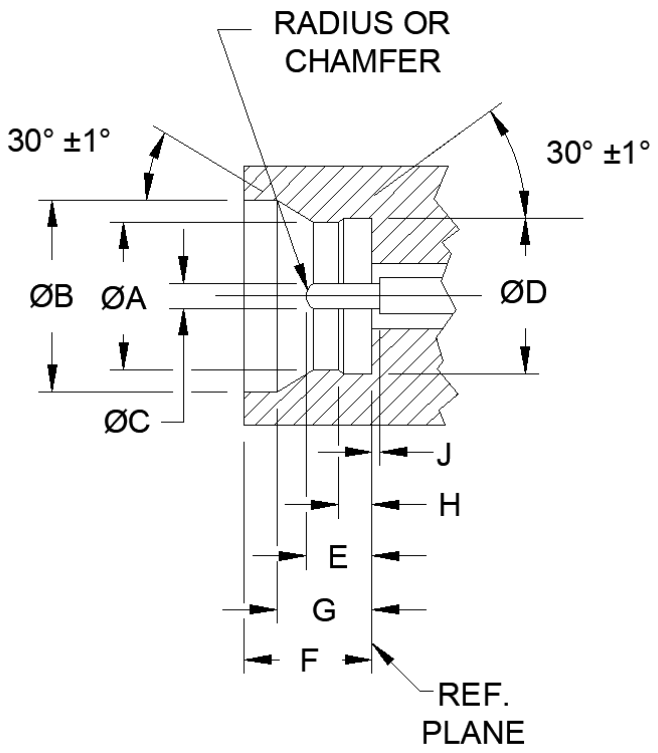
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Ref.	Inches	
	Min.	Max.
A		.070
B	.000	.005
C	.029	
D	.040	
E		.065
F		.0105

FIGURE 333-3. Interface, Series SMP3, Socket Contact.

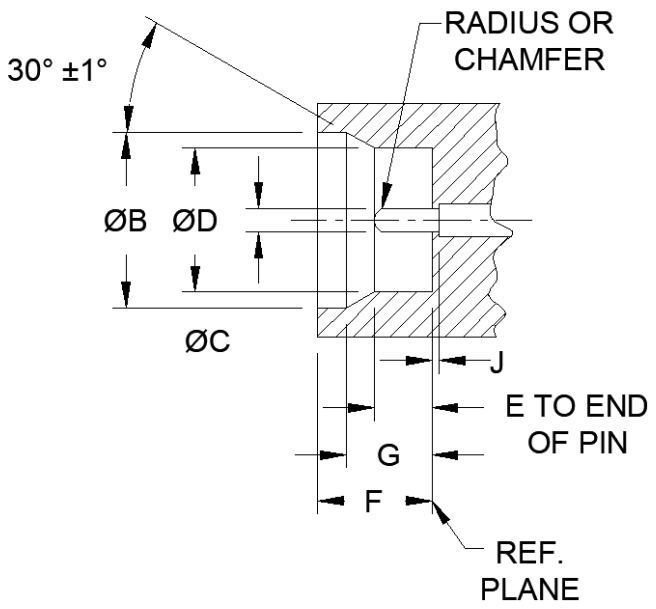
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Ref.	Inches	
	Min.	Max.
A	.0575	.0585
B	.071	.073
C	.0085	.0095
D	.063	.065
E	.020	.030
F	.048	.050
G	.033	.041
H	.0115	.0135
J	.000	

FIGURE 334-1. Interface, Series SMPS, Pin Contact, Full Detent

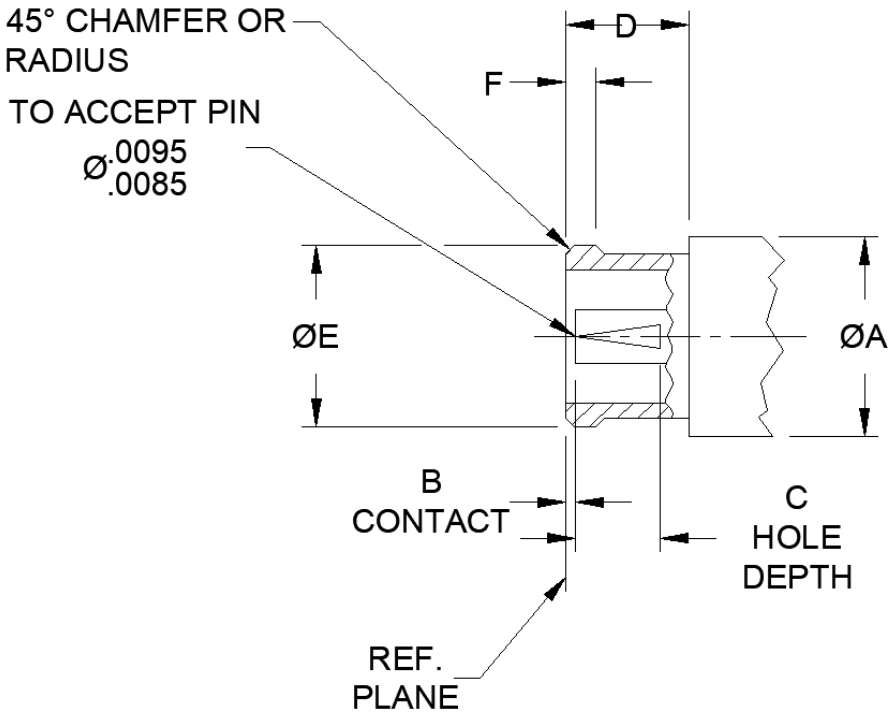
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Ref.	Inches	
	Min.	Max.
B	.071	.073
C	.0085	.0095
D	.060	.061
E	.020	.030
F	.048	.050
G	.033	.041
J	.000	

FIGURE 334-2. Interface, Series SMPS, Pin Contact, Smooth Bore

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Ref.	Inches	
	Min.	Max.
A		.070
B	.000	.005
C	.031	
D	.041	
E		.066
F		.011

FIGURE 334-3. Interface, Series SMPS, Socket Contact

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

SECTION 400

Interface Dimensions for MIL-DTL-39012, MIL-DTL-55339 and MIL-DTL-83517

Section 401	Series C
Section 402	Series N
Section 403	Series SC
Section 404	Series BNC
Section 405	Series SMA
Section 406	Series TNC
Section 407	Series SMB
Section 408	Series SMC
Section 409	Series QNC
Section 410	Series QSC

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

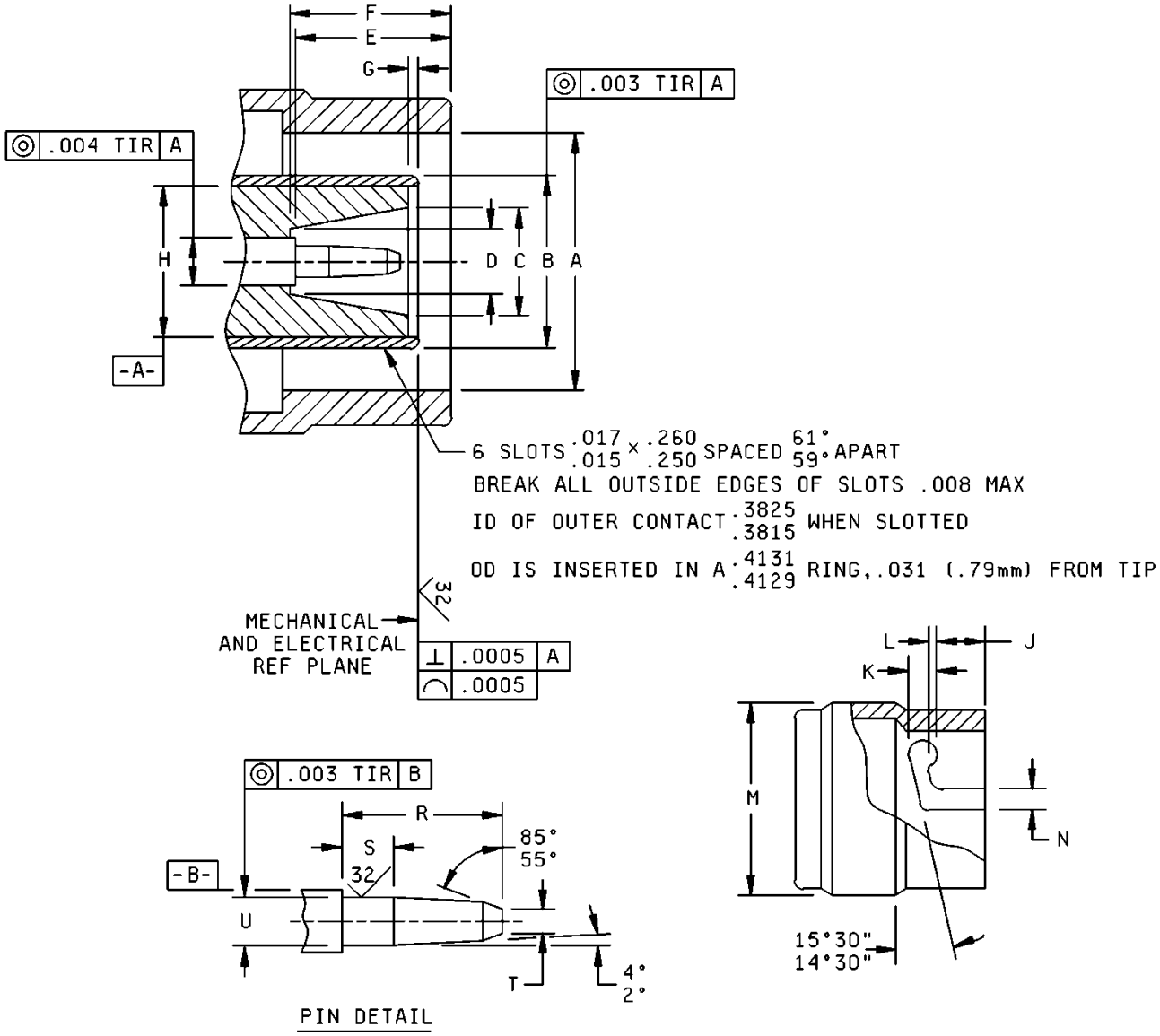


FIGURE 401-1. Interface test connector, series C, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.543 (13.79)	.549 (13.94)
B	.412 (10.46)	.414 (10.52)
C	.276 (7.01)	.280 (7.11)
D	.194 (4.93)	.198 (5.03)
E	.307 (7.80)	.311 (7.90)
F	.309 (7.85)	.318 (8.08)
G	.007 (0.18)	.013 (0.33)
H	.3889 (9.878)	.3897 (9.898)
J	.103 (2.62)	.113 (2.87)
K	.131 (3.33)	.141 (3.58)
L	.010 (0.25)	.018 (0.46)
M	---------	.785 (19.94)
N	.105 (2.67)	.114 (2.90)
R	.301 (7.65)	.308 (7.82)
S	.093 (2.36)	.103 (2.62)
T	.041 (1.04)	.051 (1.30)
U	.0900 (2.29)	.0921 (2.34)

FIGURE 401-1. Interface test connector, series C, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

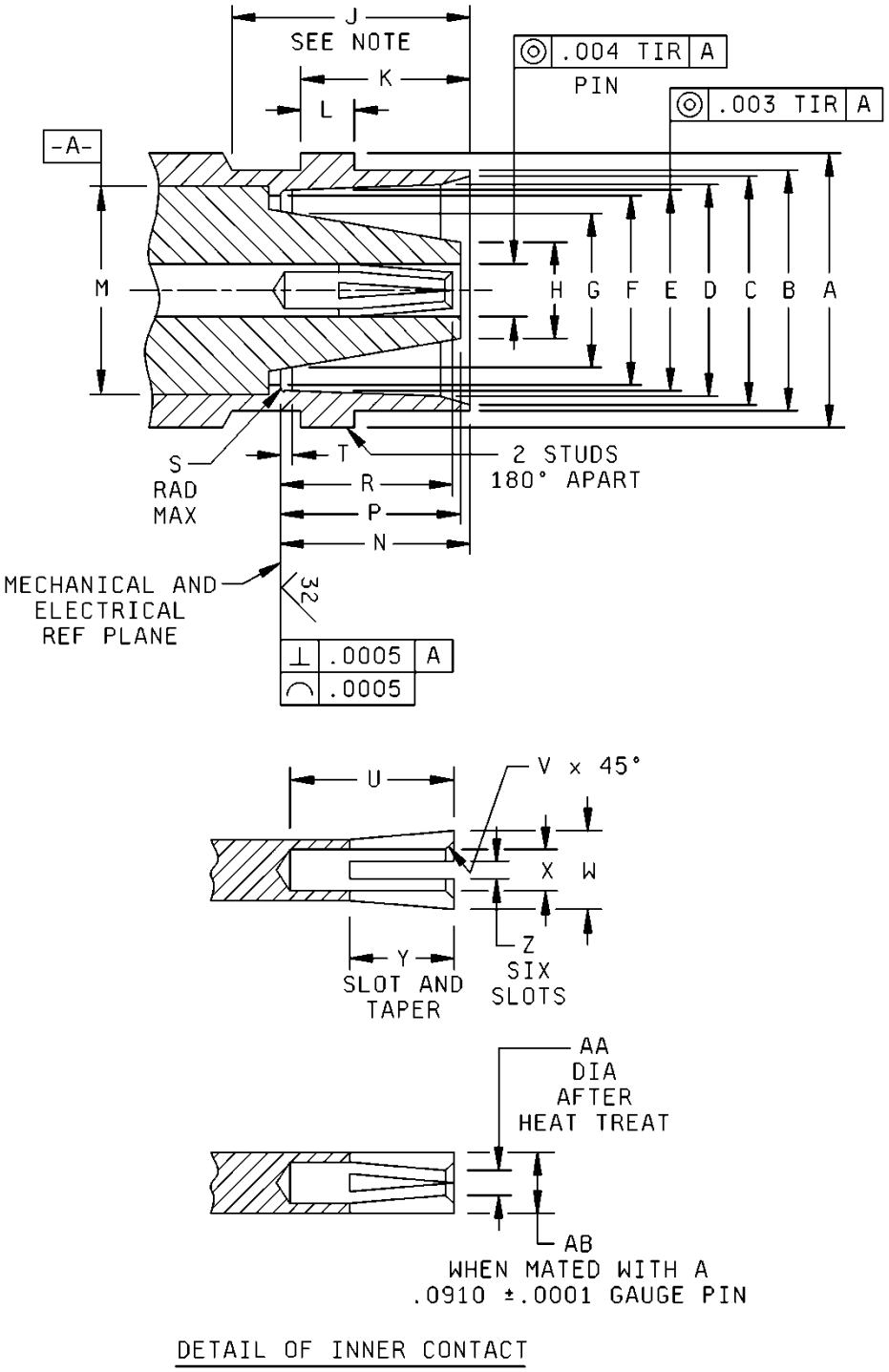


FIGURE 401-2. Interface test connector, series C, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

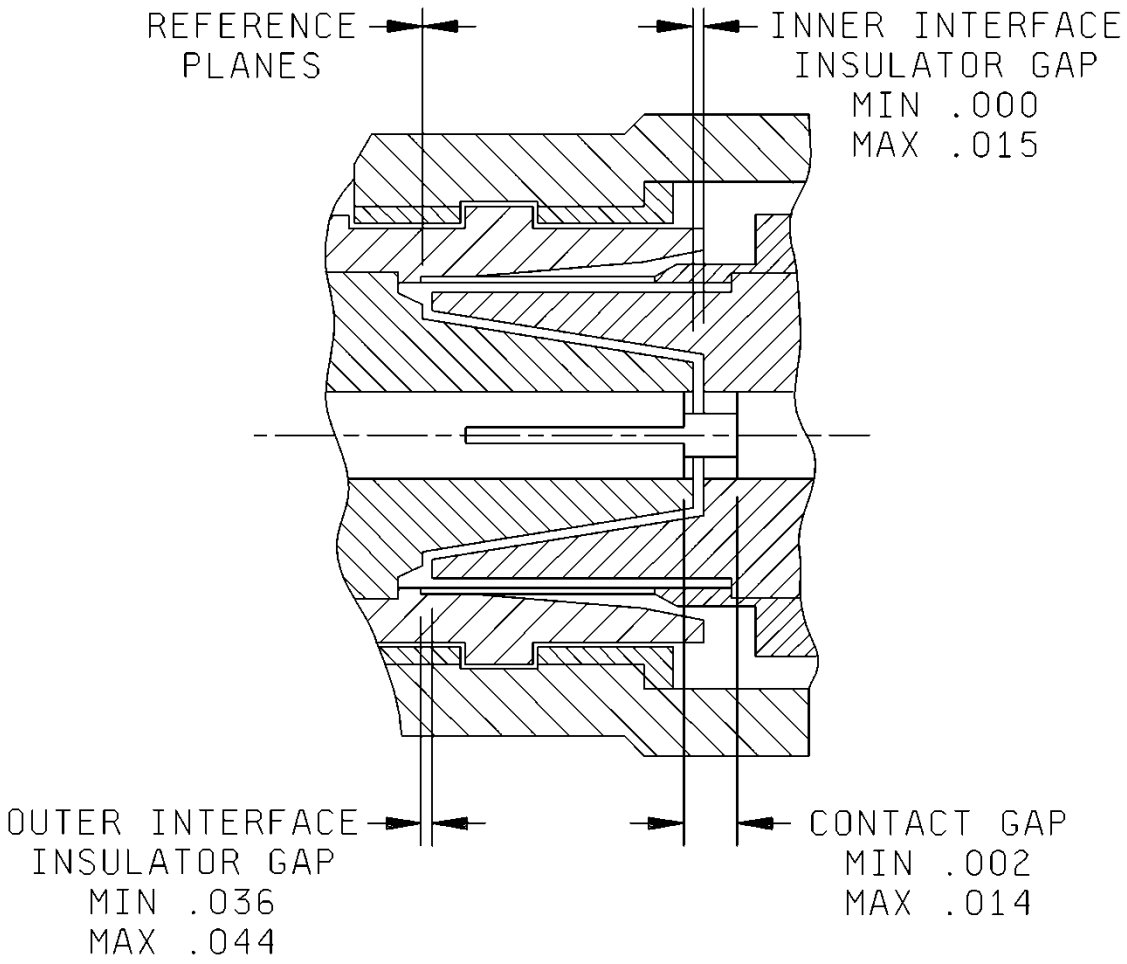
Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.590 (14.99)	.600 (15.24)
B	.530 (13.46)	.540 (13.72)
C	.485 (12.32)	.495 (12.57)
D	.440 (11.18)	.450 (11.43)
E	.411 (10.44)	.415 (10.54)
F	.354 (8.99)	.358 (9.09)
G	.268 (6.81)	.272 (6.91)
H	.188 (4.78)	.190 (4.83)
J	.495 (12.57)	---
K	.277 (7.04)	.283 (7.19)
L	.088 (2.24)	.098 (2.49)
M	.3889 (9.878)	.3897 (9.898)
N	.334 (8.48)	.338 (8.59)
P	.303 (7.70)	.309 (7.85)
R	.297 (7.54)	.305 (7.75)
S	---	.004 (0.10)
T	.020 (0.51)	.040 (1.02)
U	.306 (7.77)	---
V	.004 (0.10)	.011 (0.28)
W	.1314 (3.34)	.1328 (3.37)
X	.0989 (2.512)	.0991 (2.517)
Y	.240 (6.10)	.260 (6.60)
Z	.0095 (0.241)	.0125 (0.317)
AA	.085 (2.16)	.088 (2.24)
AB	.1232 (3.129)	.1288 (3.271)

NOTE: Clearance for mating connector coupling nut.

.

FIGURE 401-2. Interface test connector, series C, socket contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Inches	(mm)
.002	(0.05)
.014	(0.36)
.015	(0.38)
.036	(0.91)
.044	(1.12)

FIGURE 401-3. Interface, mated test connector, series C.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

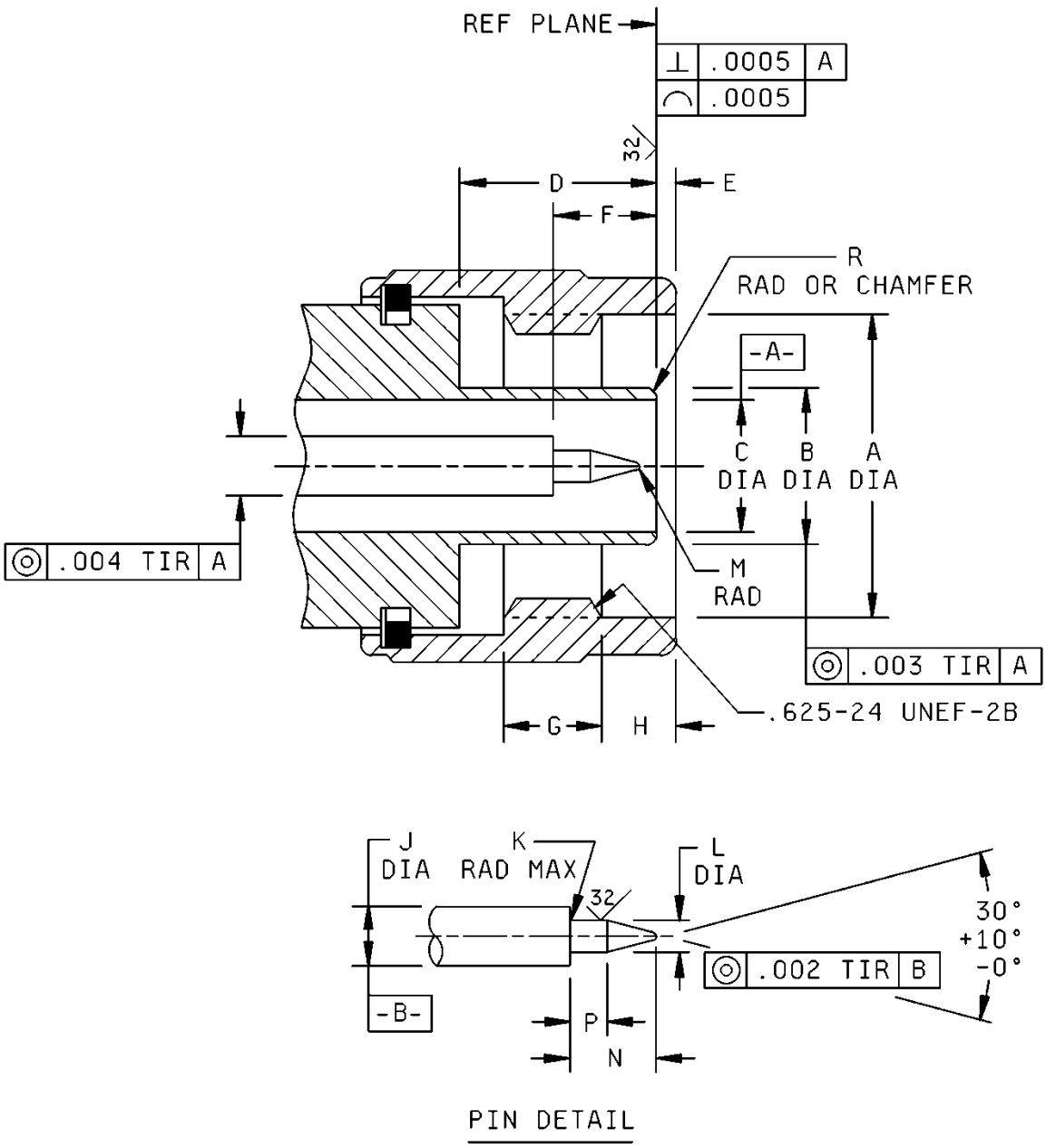


FIGURE 402-1. Interface, test connector, series N, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.630 (0.16)	---------
B	.3140 (7.98)	.3165 (8.04)
C	.2753 (6.99)	.2759 (7.01)
D	.362 (9.19)	.372 (9.45)
E	.011 (0.28)	.051 (1.30)
F	.208 (5.28)	.211 (5.36)
G	.177 (4.50)	.197 (5.00)
H	.158 (4.01)	.168 (4.27)
J	.1194 (3.03)	.1200 (3.05)
K	-------	.003 (0.08) Max. Rad
L	.0644 (1.64)	.0656 (1.67)
M	.010 (0.25)	.030 (0.76)
N	.178 (4.52) Reference	
P	.070 (1.78)	.080 (2.03)
R	.005 (0.13)	.008 (0.20)

FIGURE 402-1. Interface, test connector, series N, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

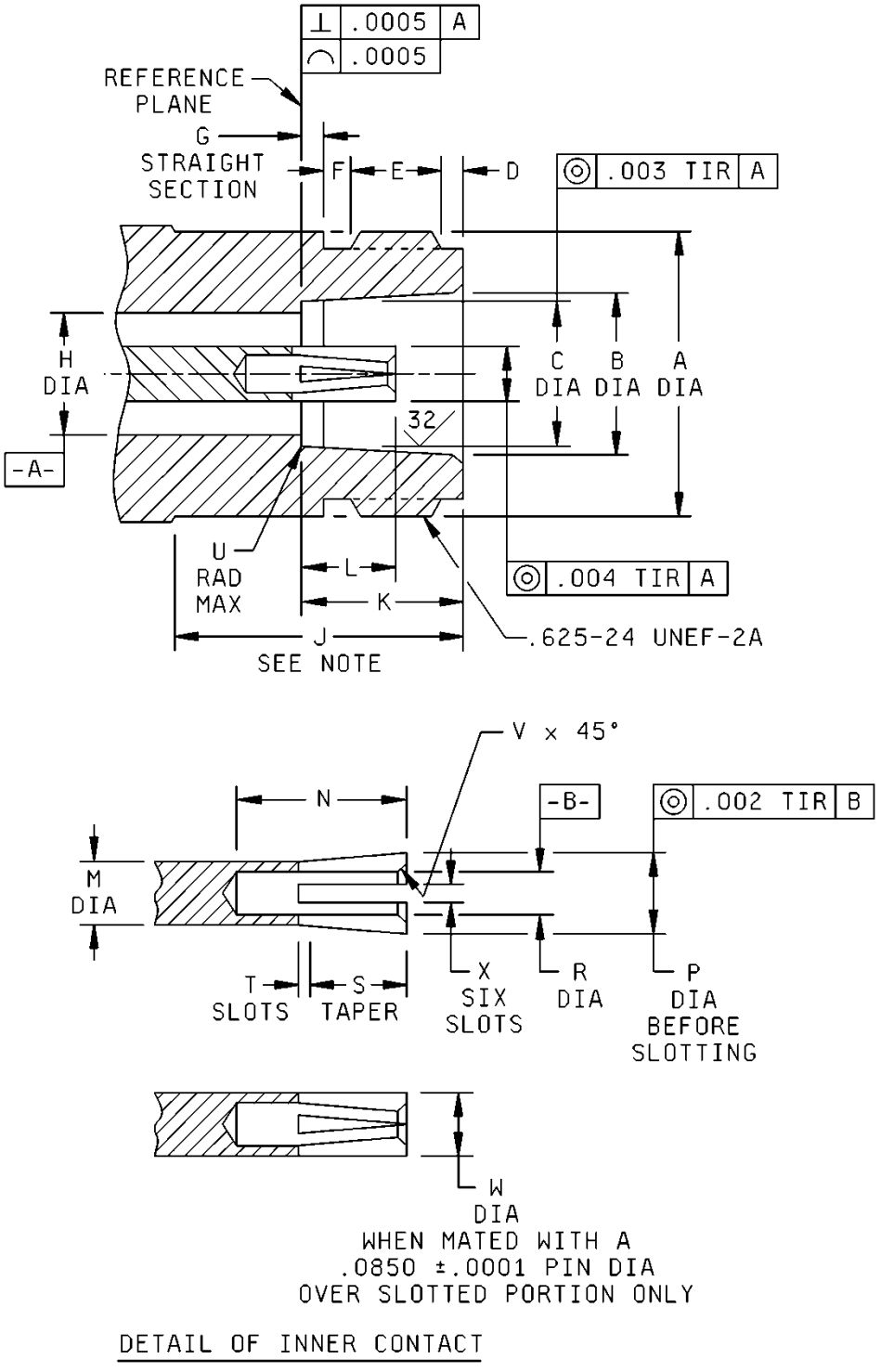


FIGURE 402-2. Interface, test connector, series N, socket contact.

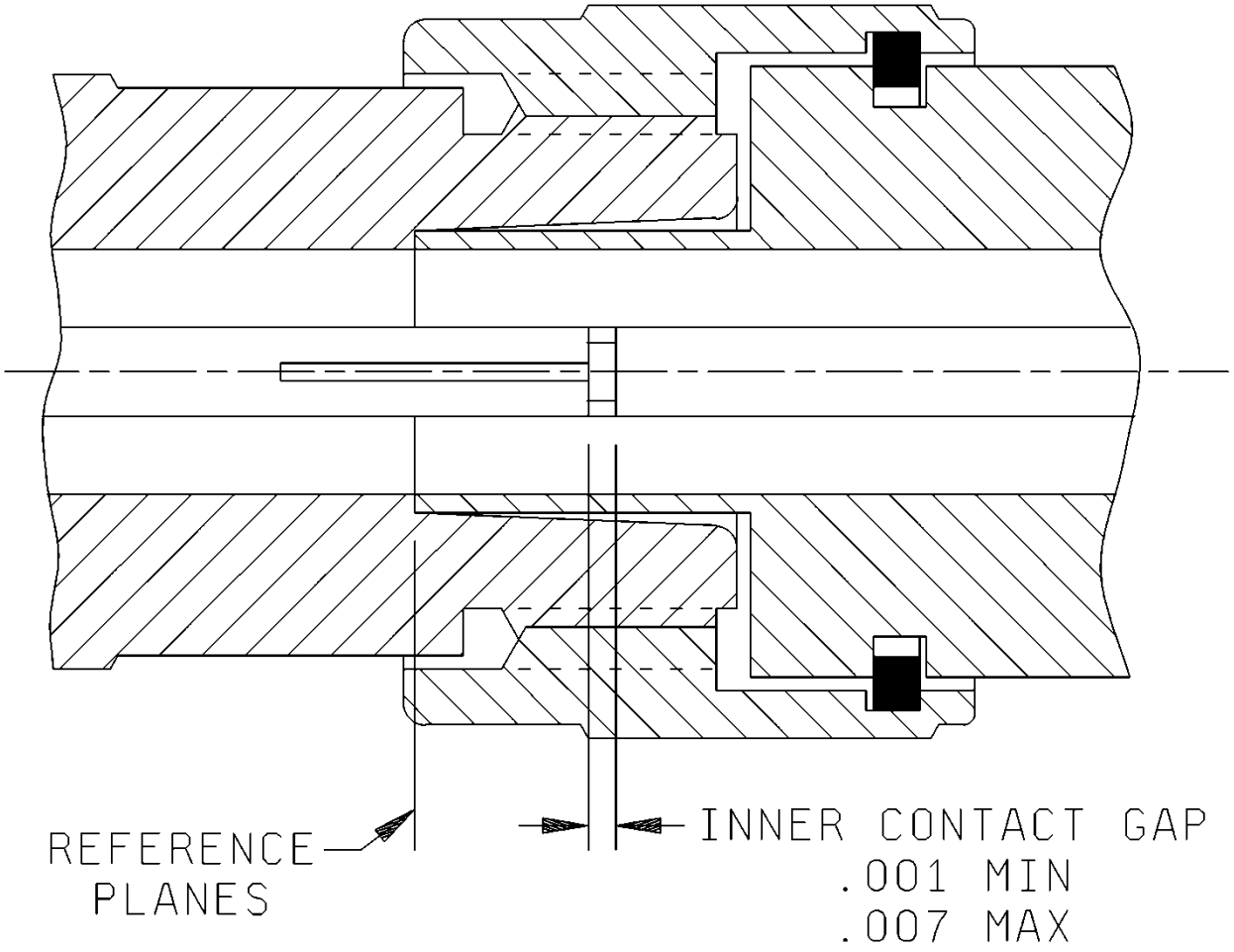
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	---------	.627 (15.93)
B	.336 (8.53)	.344 (8.74)
C	.317 (8.05)	.319 (8.10)
D	.047 (1.19)	.077 (1.96)
E	.180 (4.57)	.220 (5.59)
F	.040 (1.02)	.080 (2.03)
G	.020 (0.51)	.040 (1.02)
H	.2753 (6.991)	.2759 (7.008)
J	.442 (11.23)	---------
K	.357 (9.07)	.361 (9.17)
L	.204 (5.18)	.207 (5.26)
M	.1194 (3.033)	.1200 (3.048)
N	.370 (9.40)	---------
P	.1314 (3.327)	.1326 (3.368)
R	.0709 (1.801)	.0731 (1.857)
S	.240 (6.10)	.260 (6.60)
T	.000 (0.00)	.006 (0.15)
U	---------	.004 (0.10)
V	.003 (0.08)	.006 (0.15)
W	.1232 (3.129)	.1268 (3.221)
X	.0095 (0.241)	.0125 (0.317)

NOTE: Clearance for mating connector coupling nut.

FIGURE 402-2. Interface, test connector, series N, socket contact - Contined.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Inches (mm)
.001 (0.03)
.007 (0.18)

FIGURE 402-3. Interface, mated test connector, series N.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

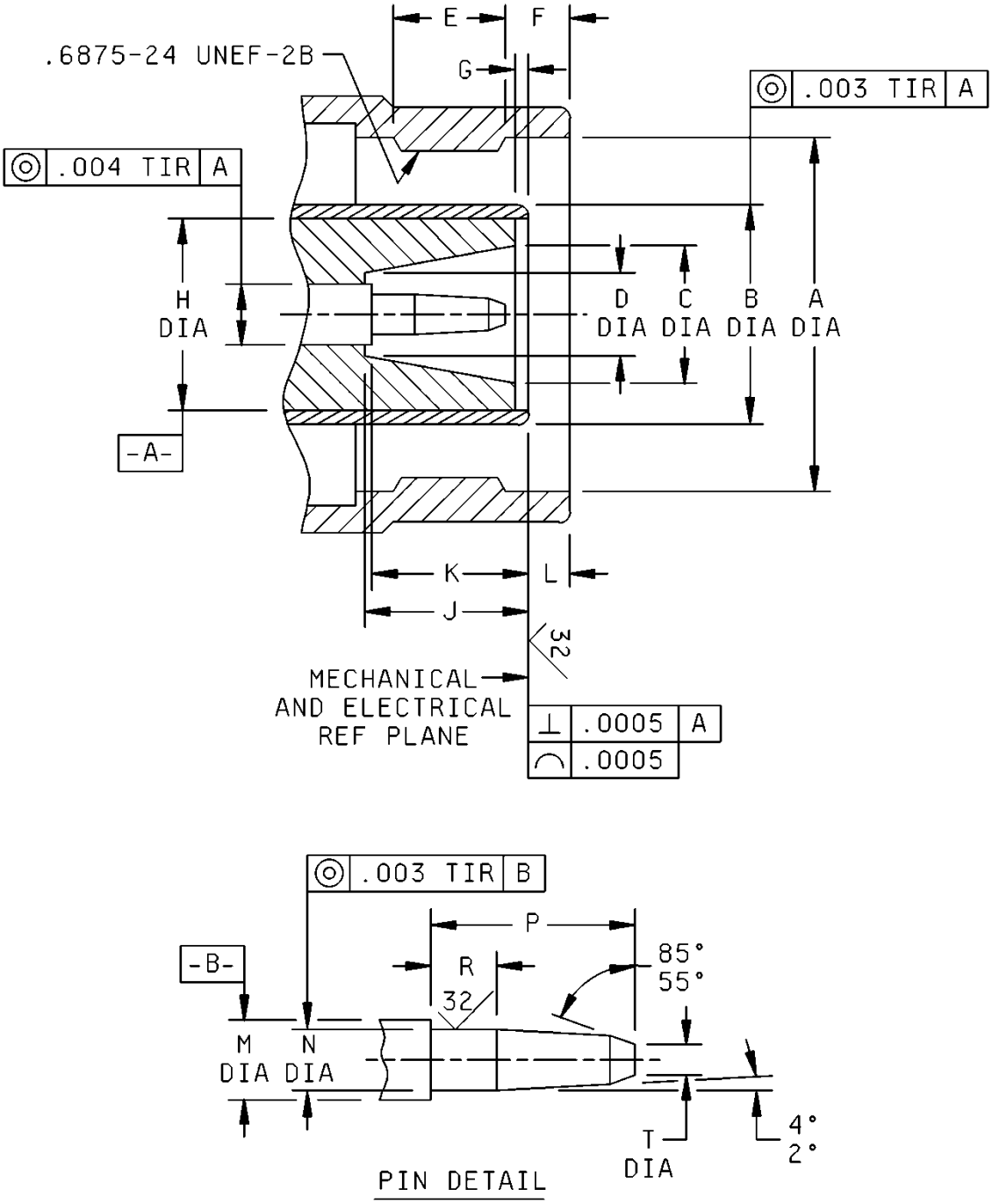


FIGURE 403-1. Interface, test connector, series SC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.690 (17.53)	---------
B	.407 (10.34)	.409 (10.39)
C	.276 (7.01)	.280 (7.11)
D	.194 (4.93)	.198 (5.03)
E	.380 (9.65)	.420 (10.67)
F	.190 (4.83)	.210 (5.33)
G	.007 (0.18)	.013 (0.33)
H	.3889 (9.878)	.3897 (9.898)
J	.309 (7.85)	.318 (8.08)
K	.307 (7.80)	.311 (7.90)
L	---------	.085 (2.16)
M	.1192 (3.028)	.1202 (3.053)
N	.0900 (2.286)	.0921 (2.339)
P	.301 (7.65)	.308 (7.82)
R	.093 (2.36)	.103 (2.62)
T	.041 (1.04)	.051 (1.30)

FIGURE 403-1. Interface, test connector, series SC, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

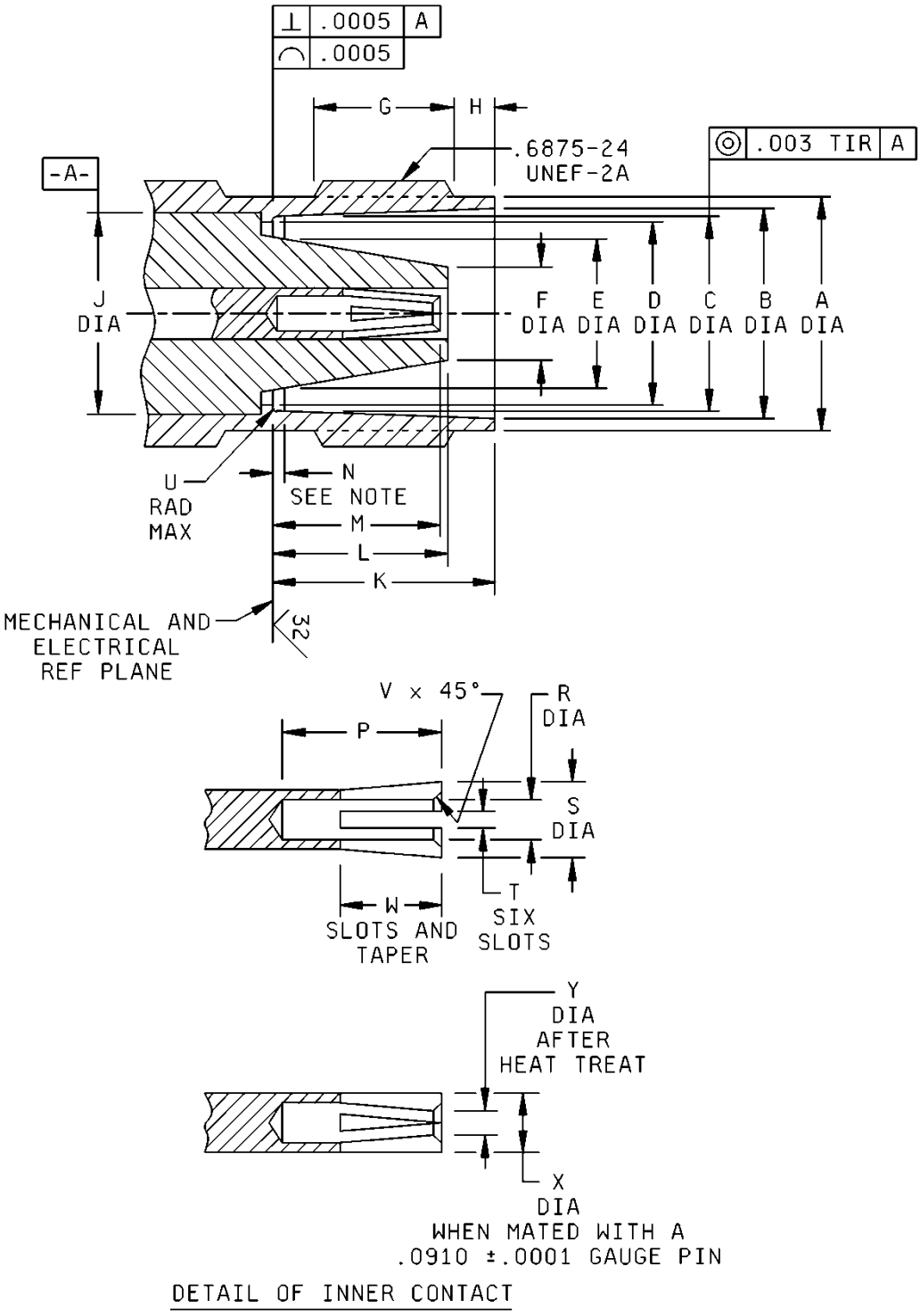


FIGURE 403-2. Interface, test connector, series SC, socket contact.

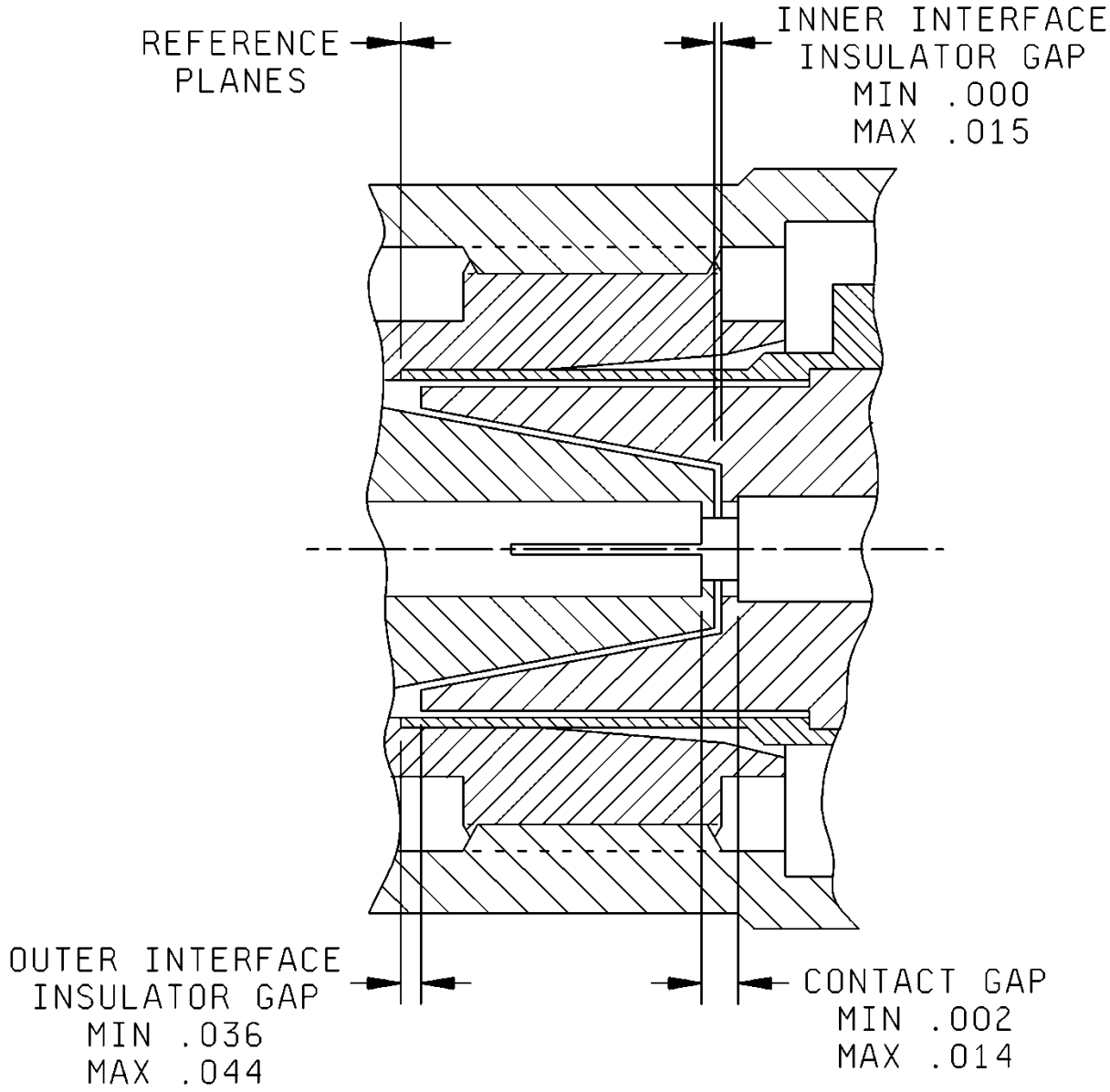
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	---------	.630 (16.00)
B	.482 (12.24)	.498 (12.65)
C	.411 (10.44)	.415 (10.54)
D	.354 (8.99)	.358 (9.09)
E	.268 (6.81)	.272 (6.91)
F	.188 (4.78)	.190 (4.83)
G	.250 (6.35)	---------
H	.047 (1.19)	.077 (1.96)
J	.3889 (9.88)	.3897 (9.90)
K	.491 (12.47)	.495 (12.57)
L	.303 (7.70)	.309 (7.85)
M	.297 (7.54)	.305 (7.75)
N	.020 (0.51)	.040 (1.02)
P	.306 (7.77)	---------
R	.0969 (2.46)	.0991 (2.52)
S	.1314 (3.34)	.1326 (3.37)
T	.0095 (0.24)	.0125 (0.32)
U	----------	.004 (0.10)
V	.004 (0.10)	.011 (.28)
W	.240 (6.10)	.260 (6.60)
X	.1232 (3.129)	.1268 (3.221)
Y	.085 (2.16)	.088 (2.24)

NOTE. Applies to body straight section.

FIGURE 403-2. Interface, test connector, series SC, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Inches (mm)
.002 (0.05)
.014 (0.36)
.015 (0.38)
.036 (0.91)
.044 (1.12)

FIGURE 403-3. Interface, mated test connector, series SC.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

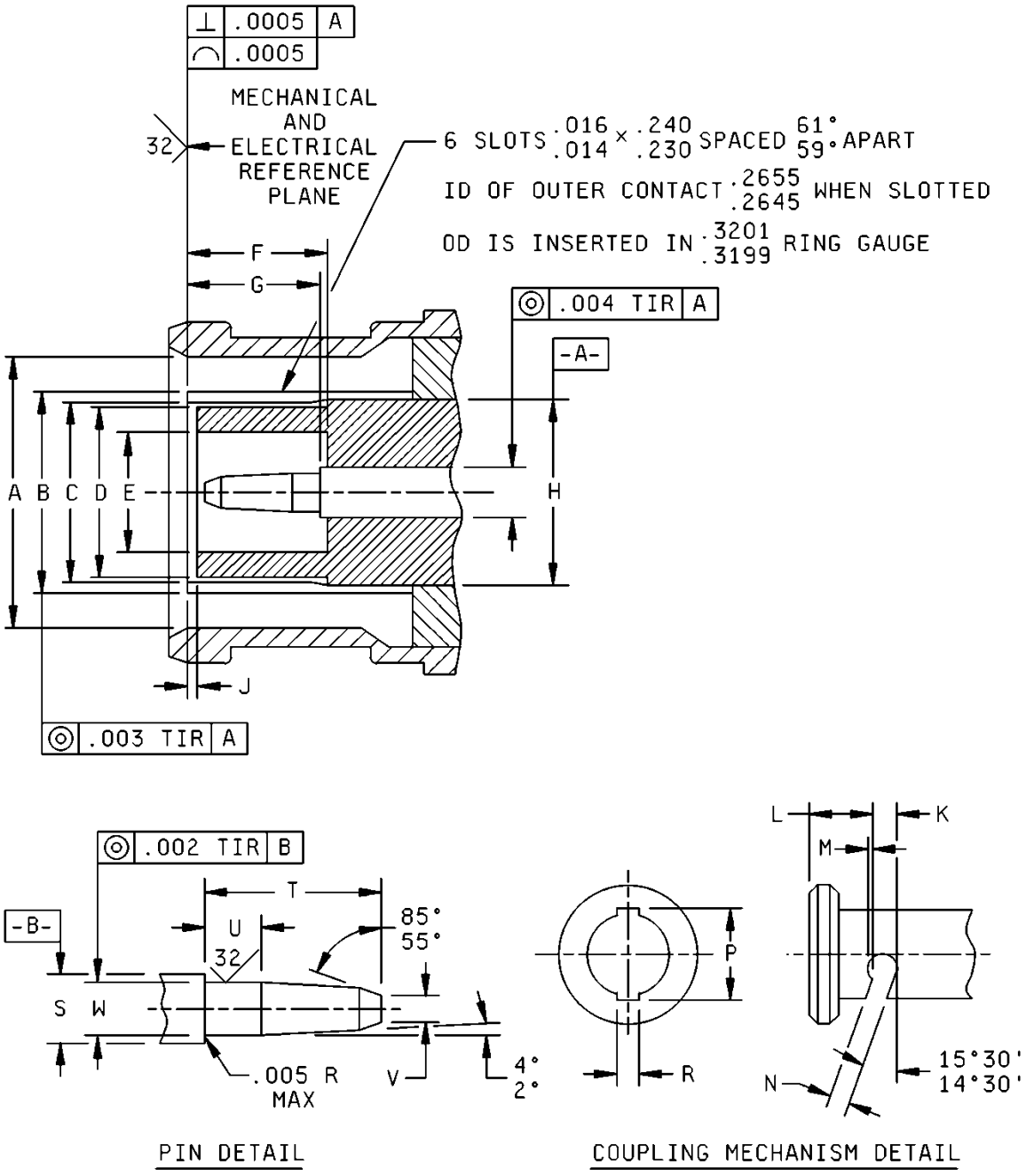


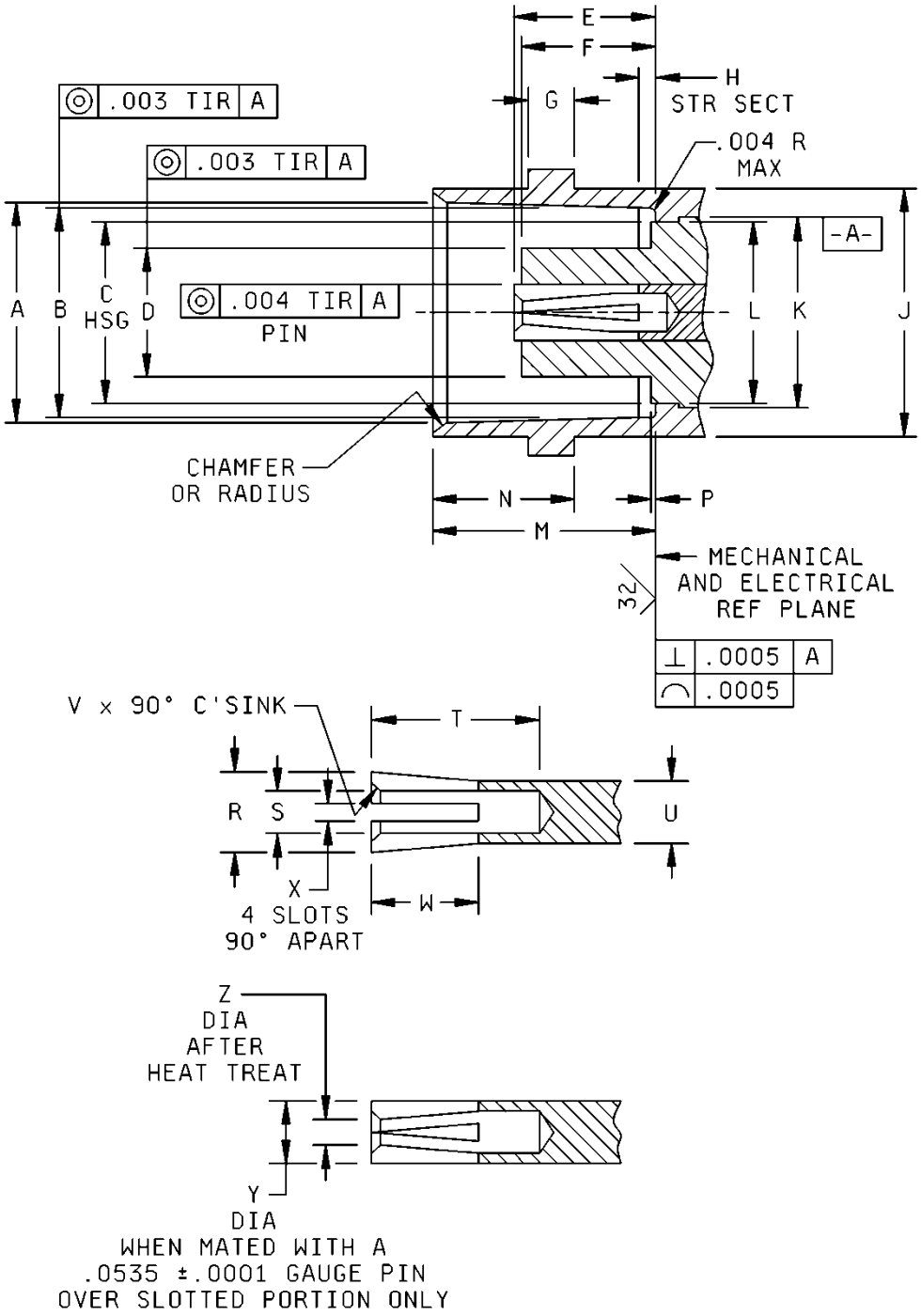
FIGURE 404-1. Interface, test connector, series BNC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.385 (9.78)	.390 (9.91)
B	.312 (7.92)	.319 (8.10)
C	.2645 (6.718)	.2655 (6.744)
D	.260 (6.60)	.262 (6.65)
E	.192 (4.88)	.194 (4.93)
F	.212 (5.38)	.218 (5.54)
G	.209 (5.31)	.212 (5.38)
H	.2752 (6.990)	.2760 (7.010)
J	.006 (0.15)	.012 (0.30)
K	.124 (3.15)	---------
L	.180 (4.57)	.184 (4.67)
M	.018 (0.46)	.022 (0.56)
N	.091 (2.31)	.097 (2.46)
P	.463 (11.76)	.473 (12.01)
R	.091 (2.31)	.097 (2.46)
S	.0851 (2.161)	.0859 (2.182)
T	.182 (4.62)	.192 (4.88)
U	.055 (1.40)	.065 (1.65)
V	.013 (0.33)	.027 (0.69)
W	.0530 (1.346)	.0541 (1.374)

FIGURE 404-1. Interface, test connector, series BNC, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



DETAIL OF INNER CONTACT

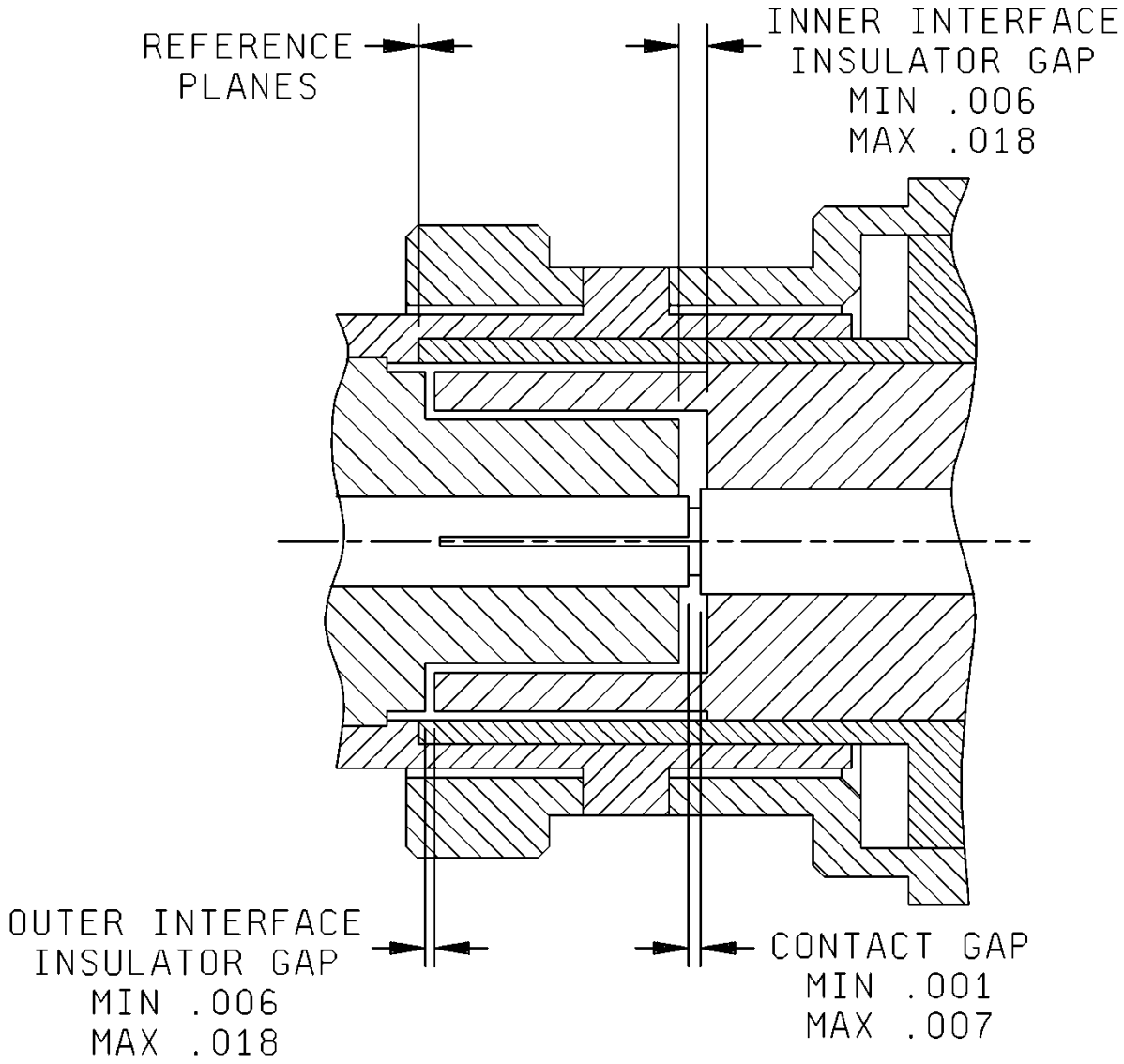
FIGURE 404-2. Interface, test connector, series BNC, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.327 (8.31)	.333 (8.46)
B	.319 (8.10)	.321 (8.15)
C	.264 (6.71)	.266 (6.76)
D	.184 (4.67)	.186 (4.72)
E	.205 (5.21)	.208 (5.28)
F	.200 (5.08)	.206 (5.23)
G	.075 (1.91)	.081 (2.06)
H	.020 (0.51)	.040 (1.02)
J	.378 (9.60)	.381 (9.68)
K	.2752 (6.990)	.2760 (7.010)
L	---------	.256 (6.50)
M	.329 (8.36)	.333 (8.46)
N	.204 (5.18)	.208 (5.28)
P	.000 (0.00)	.008 (0.20)
R	.0965 (2.451)	.0976 (2.479)
S	.0600 (1.524)	.0622 (1.580)
T	.205 (5.21)	---------
U	.0852 (2.164)	.0859 (2.182)
V	.066 (1.68)	.074 (1.88)
W	.182 (4.62)	.192 (4.88)
X	.0105 (0.267)	.0135 (0.343)
Y	.0878 (2.230)	.0911 (2.314)
Z	.0475 (1.206)	.0510 (1.295)

FIGURE 404-2. Interface, test connector, series BNC, socket contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Inches (mm)
.001 (0.03)
.006 (0.15)
.007 (0.18)
.018 (0.46)

FIGURE 404-3. Interface, mated test connector, series BNC.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

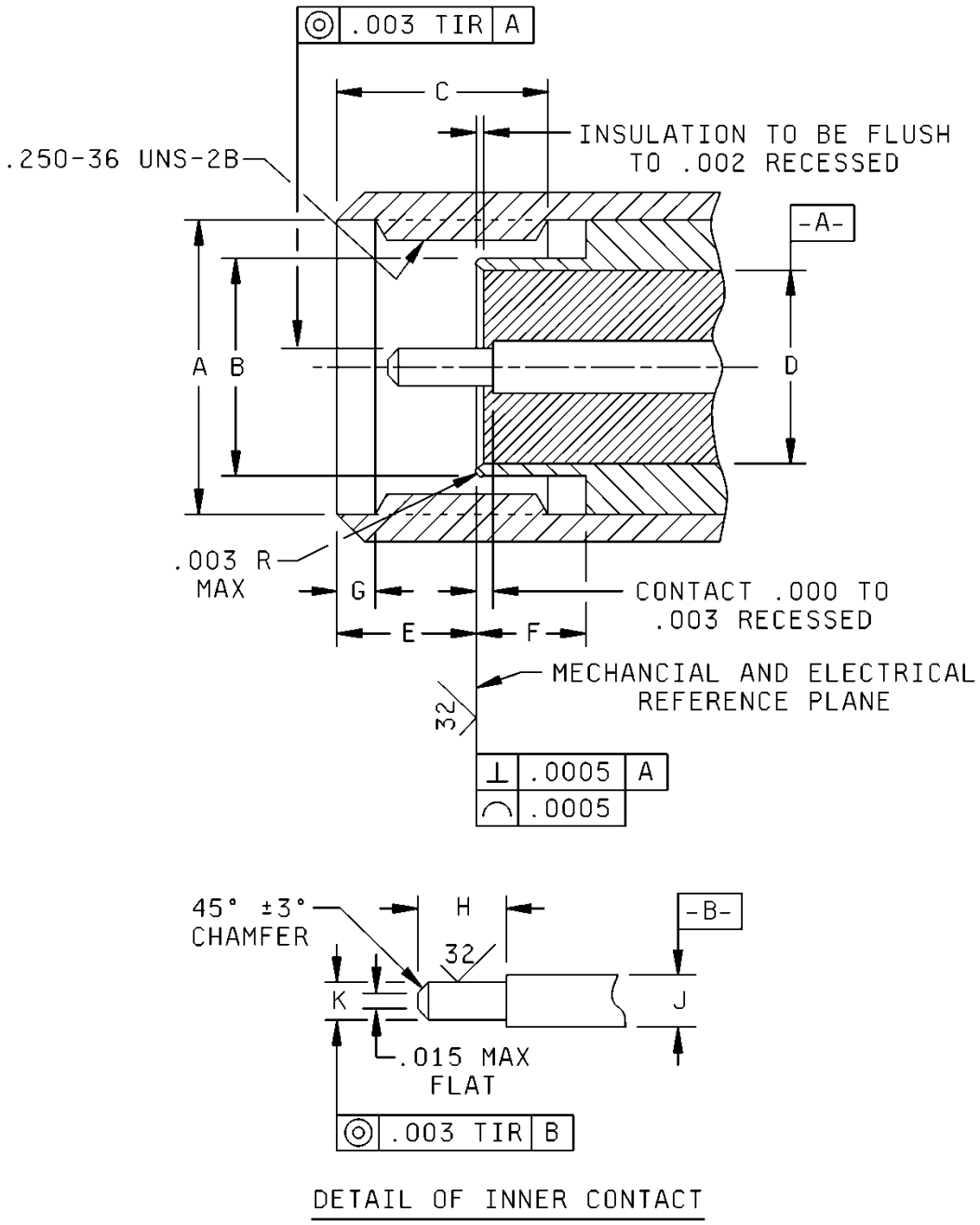


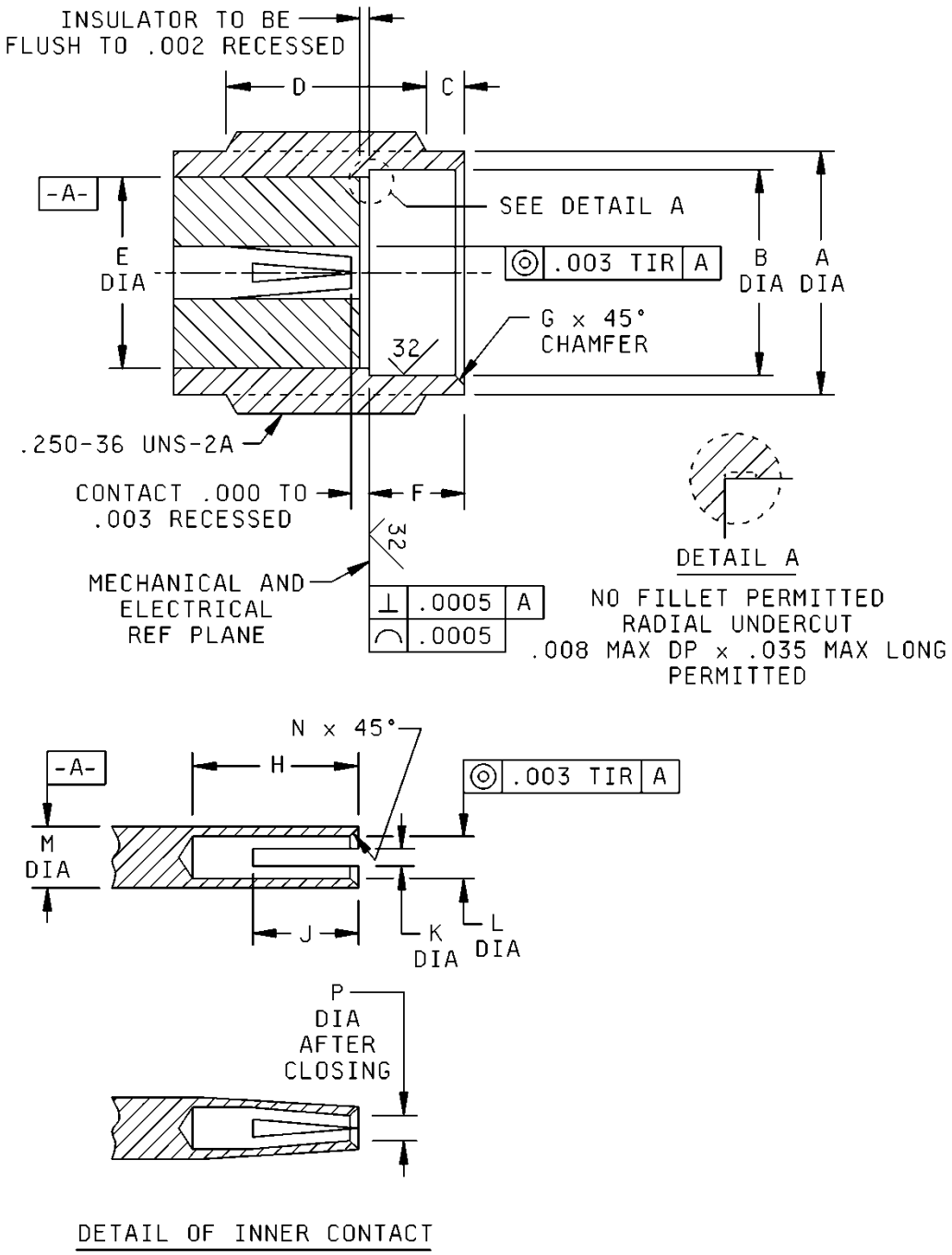
FIGURE 405-1. Interface, test connector, series SMA, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A DIA	.255 (6.48)	.265 (6.73)
B DIA	.1780 (4.521)	.1808 (4.592)
C	.146 (3.71)	.170 (4.32)
D DIA	.1615 (4.102)	.1625 (4.127)
E	.102 (2.59)	.132 (3.35)
F	.080 (2.03)	---------
G	.025 (0.64)	.045 (1.14)
H	.080 (2.03)	.090 (2.29)
J DIA	.0500 (1.270)	.0506 (1.285)
K DIA	.0355 (0.902)	.0365 (0.927)

FIGURE 405-1. Interface, test connector, series SMA, pin contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



DETAIL OF INNER CONTACT

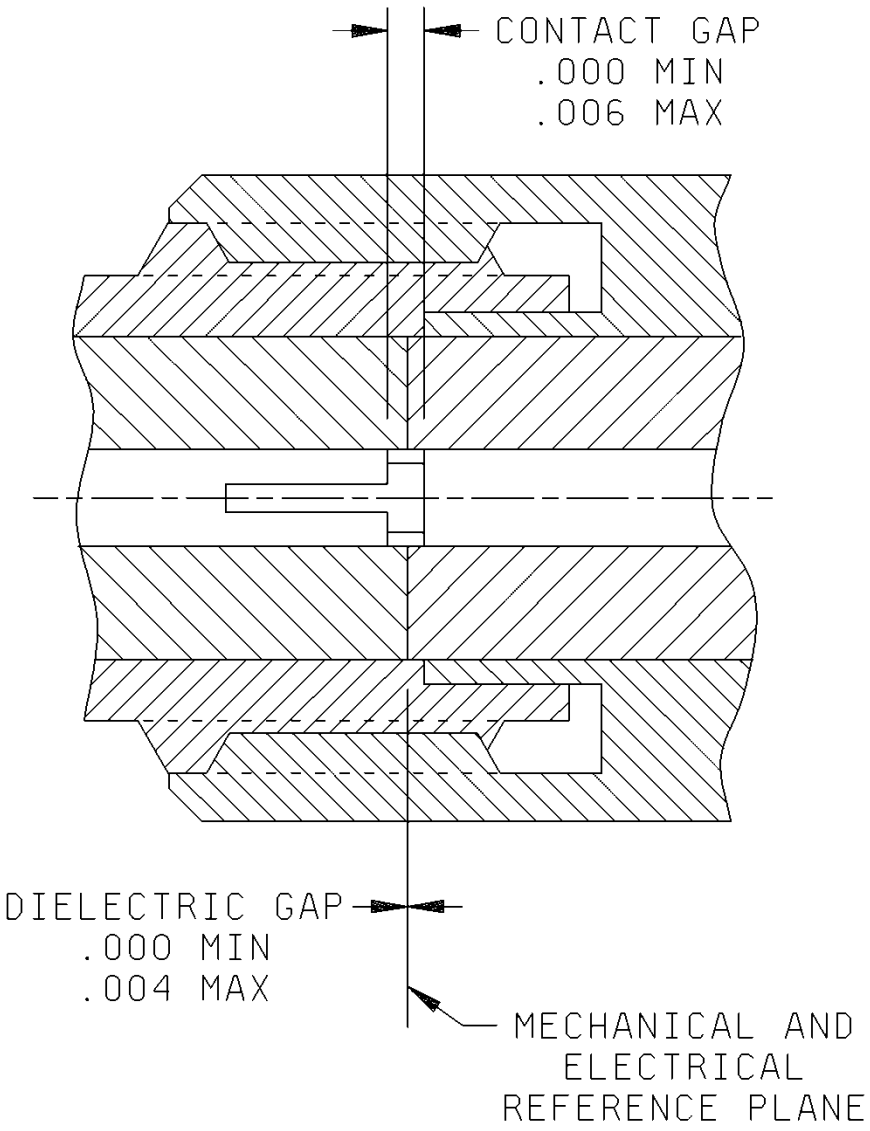
FIGURE 405-2. Interface, test connector, series SMA, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.208 (5.28)	.216 (5.49)
B	.1810 (4.597)	.1837 (4.666)
C	.015 (.38)	.045 (1.14)
D	.150 (3.81)	---------
E	.1615 (4.102)	.1625 (4.127)
F	.074 (1.88)	.078 (1.98)
G	---------	.010 (0.25)
H	.100 (2.54)	---------
J	.075 (1.91)	.095 (2.41)
K	.005 (0.13)	.009 (0.23)
L	.0370 (0.940)	.0390 (0.991)
M	.0500 (1.270)	.0506 (1.285)
N	.039 (0.99)	.047 (1.19)
P	.0285 (0.724)	.0330 (0.838)

FIGURE 405-2. Interface, test connector, series SMA, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Inches (mm)
.004 (0.10)
.006 (0.15)

FIGURE 405-3. Interface, mated test connector, series SMA.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

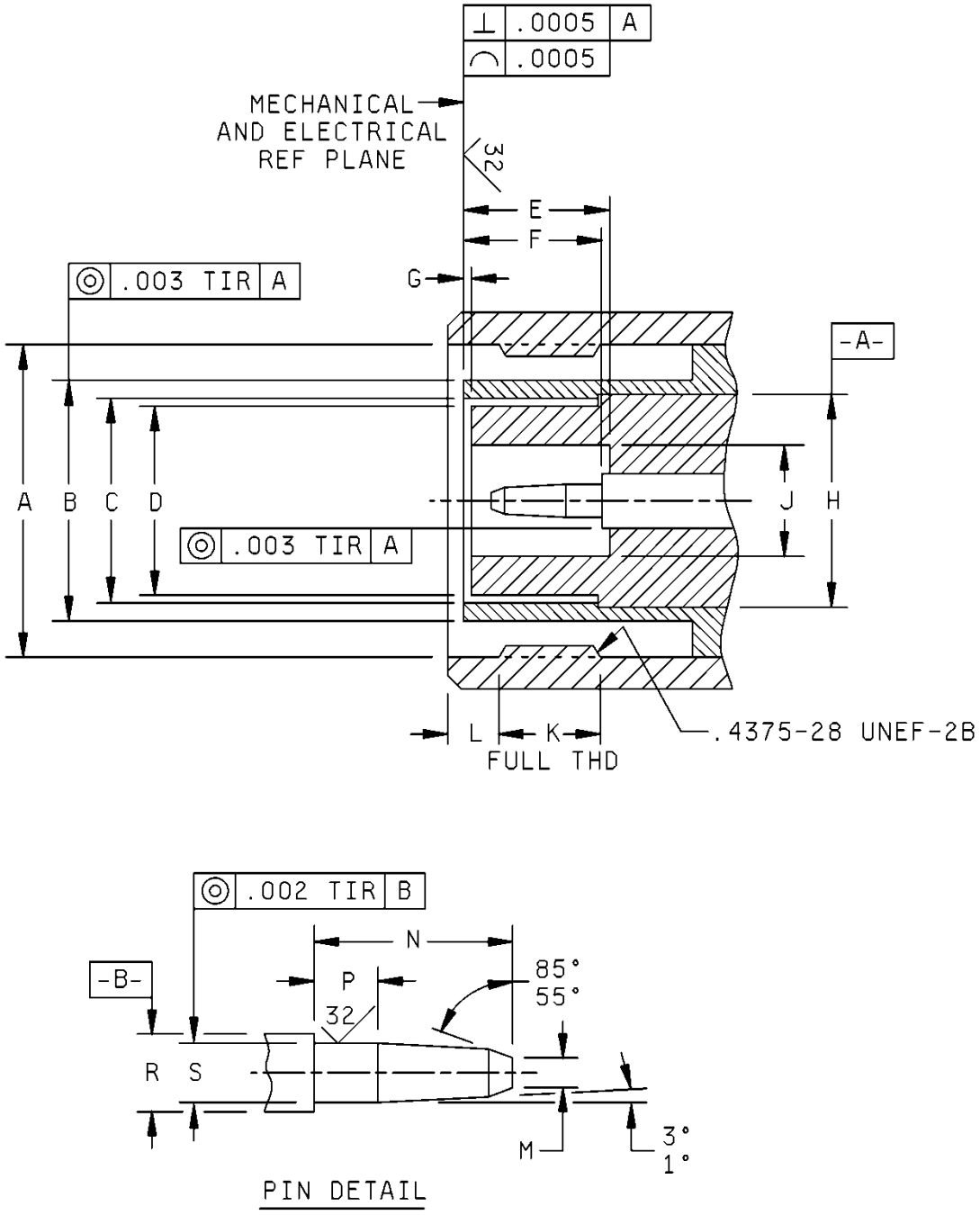


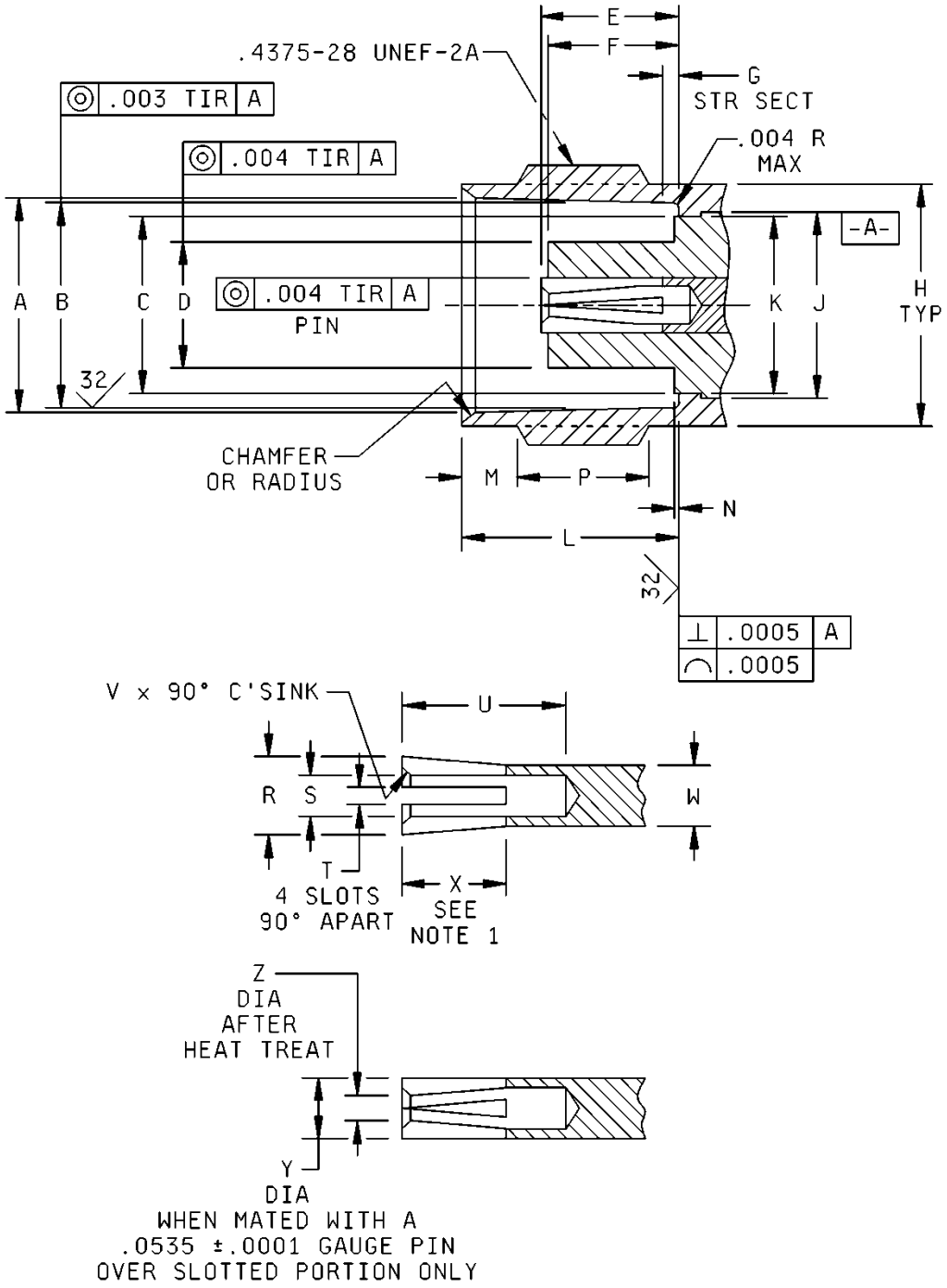
FIGURE 406-1. Interface, test connector, series TNC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.440 (11.18)	---------
B	.3175 (8.064)	.3185 (8.090)
C	.2645 (6.718)	.2655 (6.744)
D	.260 (6.60)	.262 (6.65)
E	.212 (5.38)	.218 (5.54)
F	.209 (5.31)	.212 (5.38)
G	.006 (0.15)	.012 (0.30)
H	.2752 (6.990)	.2760 (7.010)
J	.192 (4.88)	.194 (4.93)
K	.156 (3.96)	---------
L	.063 (1.60)	---------
M	.013 (0.33)	.027 (0.69)
N	.182 (4.62)	.192 (4.88)
P	.055 (1.40)	.065 (1.65)
R	.0851 (2.161)	.0859 (2.182)
S	.0530 (1.346)	.0541 (1.374)

FIGURE 406-1. Interface, test connector, series TNC, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



DETAIL OF INNER CONTACT

FIGURE 406-2. Interface, test connector, series TNC, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

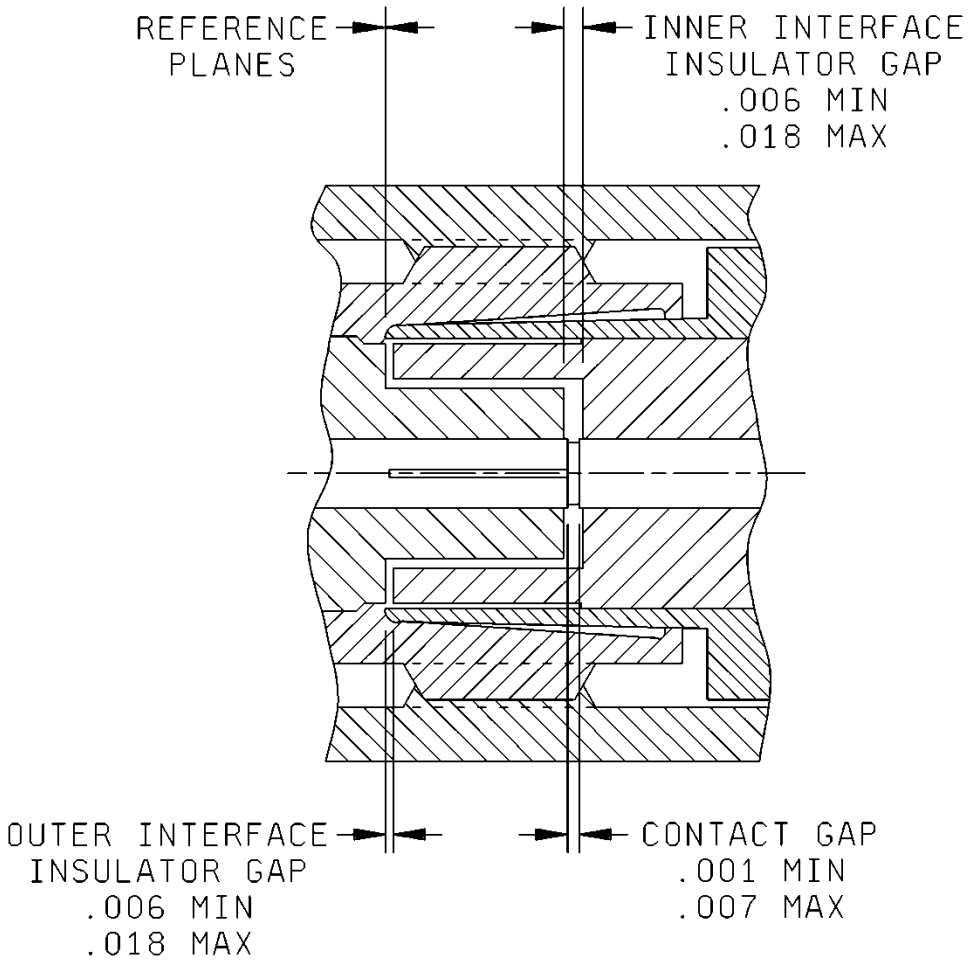
Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.327 (8.31)	.333 (8.46)
B	.319 (8.10)	.321 (8.15)
C	.000 (0.00)	.256 (6.50)
D	.184 (4.67)	.186 (4.72)
E	.205 (5.21)	.208 (5.28)
F	.200 (5.08)	.208 (5.28)
G	.020 (0.51)	.040 (1.02)
H	.378 (9.60)	.381 (9.68)
J	.2752 (6.99)	.2760 (7.01)
K	.264 (6.71)	.266 (6.76)
L	.329 (8.36)	.333 (8.46)
M	.068 (1.73)	.088 (2.24)
N	.000 (0.00)	.006 (0.15)
P	.187 (4.75)	---------
R	.0965 (2.45)	.0978 (2.48)
S	.0600 (1.52)	.0622 (1.58)
T	.0105 (0.27)	.0135 (0.34)
U	.205 (5.21)	---------
V	.066 (1.68)	.074 (1.88)
W	.0852 (2.16)	.0859 (2.18)
X	.182 (4.62)	.192 (4.88)
Y	.0878 (2.23)	.0911 (2.31)
Z	.0475 (1.21)	.0510 (1.30)

NOTES:

1. Contact to be slotted to meet mechanical and electrical performance in specification.
2. Dimension C and N to apply to dielectric projection.

FIGURE 406-2. Interface, test connector, series TNC, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Inches (mm)
.001 (0.03)
.006 (0.15)
.007 (0.18)
.018 (0.46)

FIGURE 406-3. Interface, mated test connector, series TNC.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

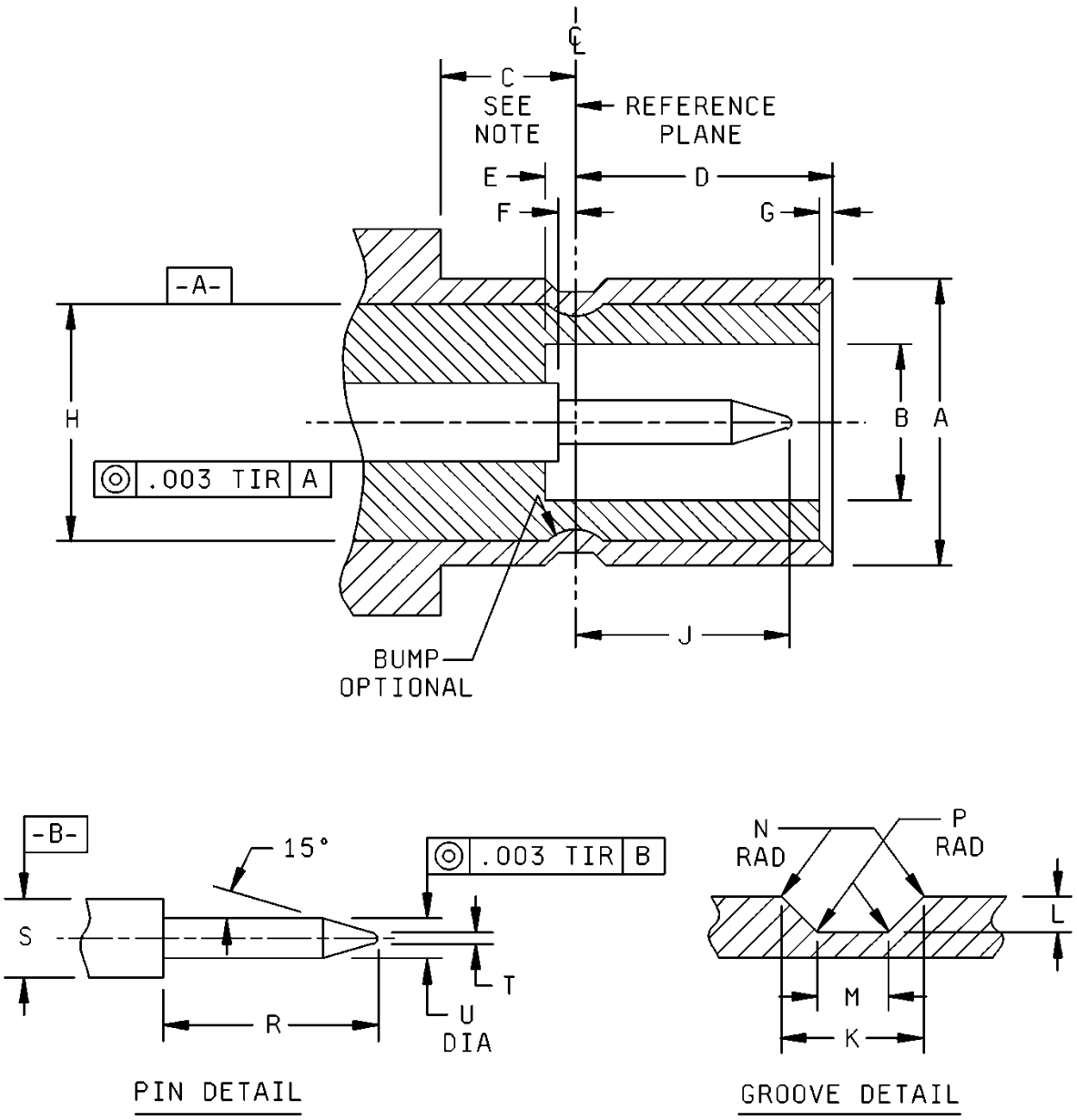


FIGURE 407-1. Interface, test connector, series SMB, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

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Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.144 (3.66)	.146 (3.71)
B	.082 (2.08)	.085 (2.16)
C	.065 (1.65)	---------
D	.137 (3.48)	.139 (3.53)
E	.0045 (0.11)	.0095 (0.24)
F	.0035 (0.09)	.0045 (0.11)
G	.0015 (0.038)	.0095 (0.241)
H	.120 (3.05)	.121 (3.07)
J	.094 (2.39)	.107 (2.72)
K	.027 (0.69)	.037 (0.94)
L	.006 (0.15)	.010 (0.25)
M	.011 (0.28)	.015 (0.38)
N	.002 (0.05)	.006 (0.15)
P	---------	.005 (0.13)
R	.099 (2.51)	.103 (2.62)
S	.0381 (0.968)	.0389 (0.988)
T	---------	.010 (0.25)
U	.019 (0.48)	.021 (0.53)

NOTE: Clearance for mating coupling nut.

FIGURE 407-1. Interface, test connector, series SMB, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

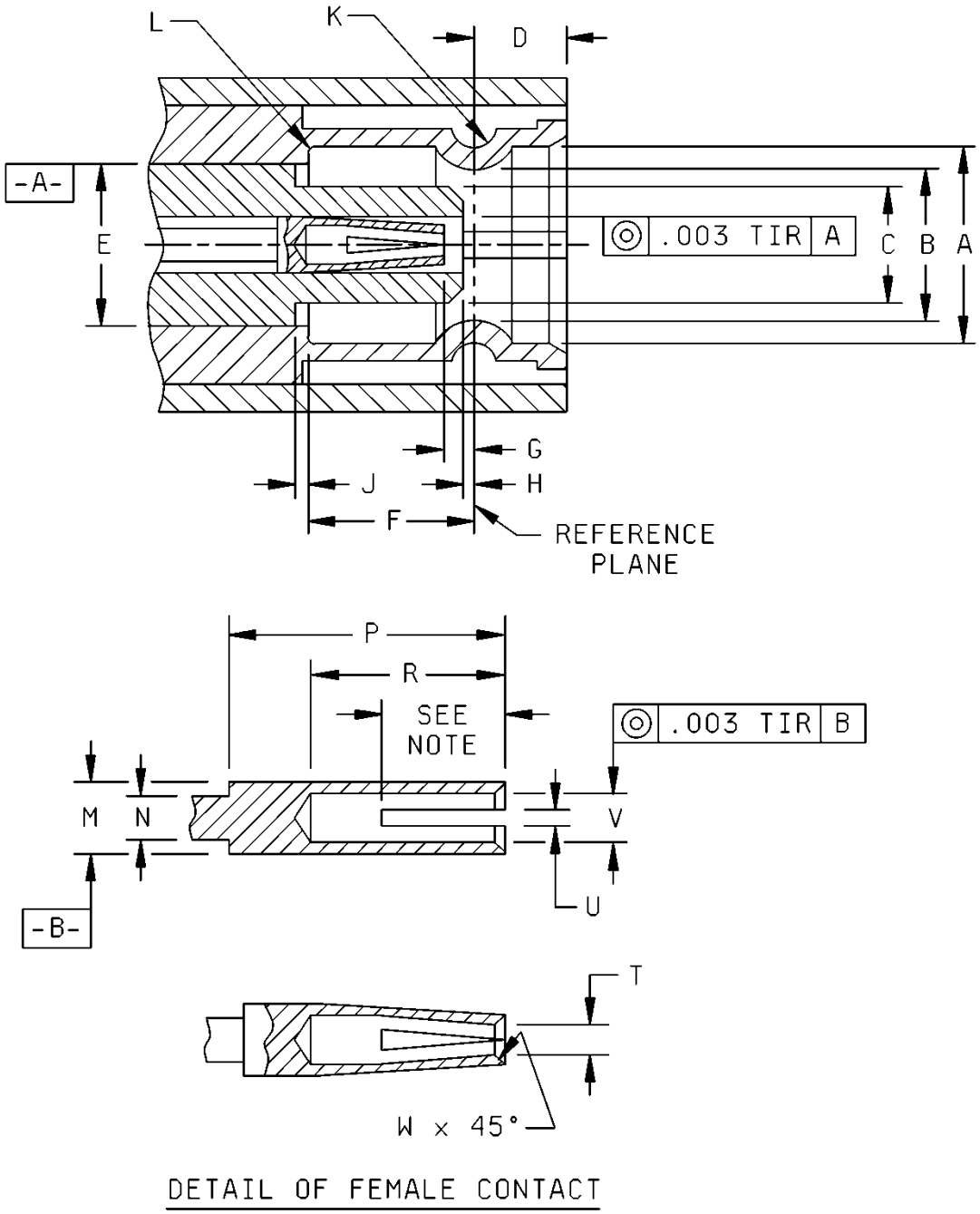


FIGURE 407-2. Interface, test connector, series SMB, socket contact.

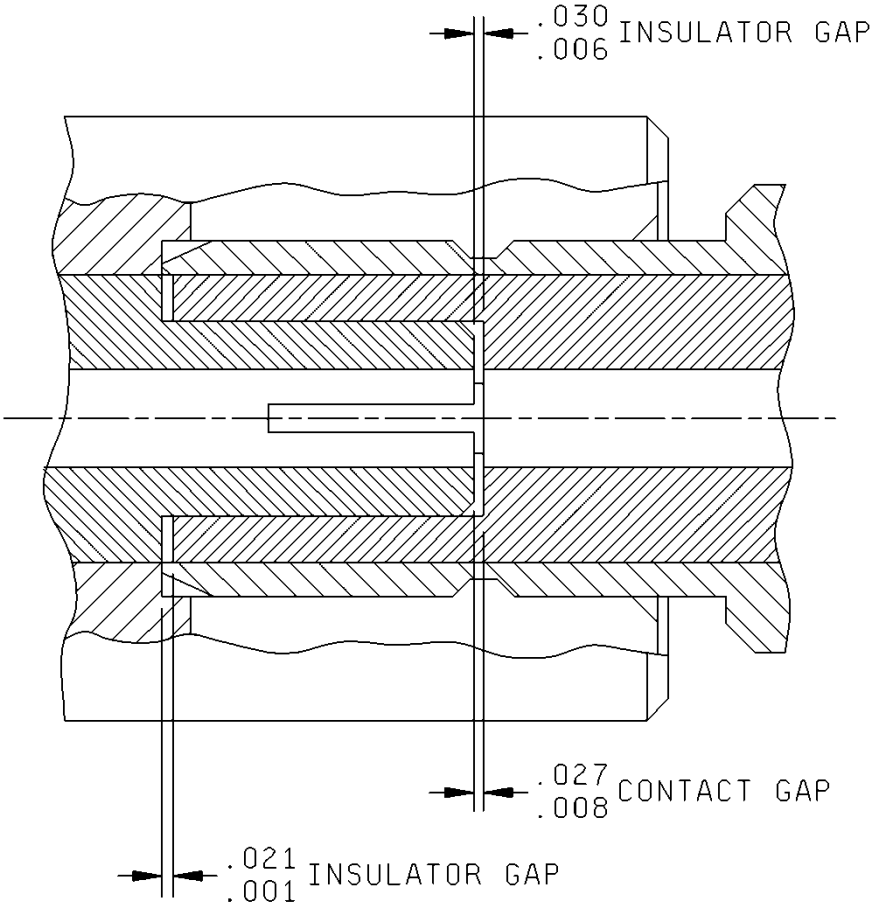
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.147 (3.73)	.149 (3.78)
B	.134 (3.40)	.136 (3.45)
C	.079 (2.01)	.081 (2.06)
D	---------	.064 (1.63)
E	.120 (3.05)	.121 (3.07)
F	.141 (3.58)	.149 (3.78)
G	.0115 (0.292)	.0225 (0.571)
H	.0105 (0.267)	.0205 (0.521)
J	-.0005 (0.018)	+.0115 (0.292)
K RAD	.025 (0.64)	.030 (0.76)
L RAD	---------	.003 (0.08)
M	.0396 (1.006)	.0404 (1.026)
N	.0381 (0.968)	.0389 (0.988)
P	.1325 (3.365)	.1375 (3.492)
R	.110 (2.79)	---------
T	.0155 (0.39)	.0190 (0.483)
U	.005 (.013)	.009 (0.23)
V	.0219 (0.556)	.0236 (0.599)
W	.002 (0.05)	.006 (0.15)

NOTE. Contact to be slotted to meet mechanical and electrical performance requirements on specification.

FIGURE 407-2. Interface, test connector, series SMB, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Inches (mm)
.001 (0.03)
.006 (0.15)
.008 (0.20)
.021 (0.53)
.027 (0.69)
.030 (0.76)

FIGURE 407-3. Interface, mated test connector, series SMB.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

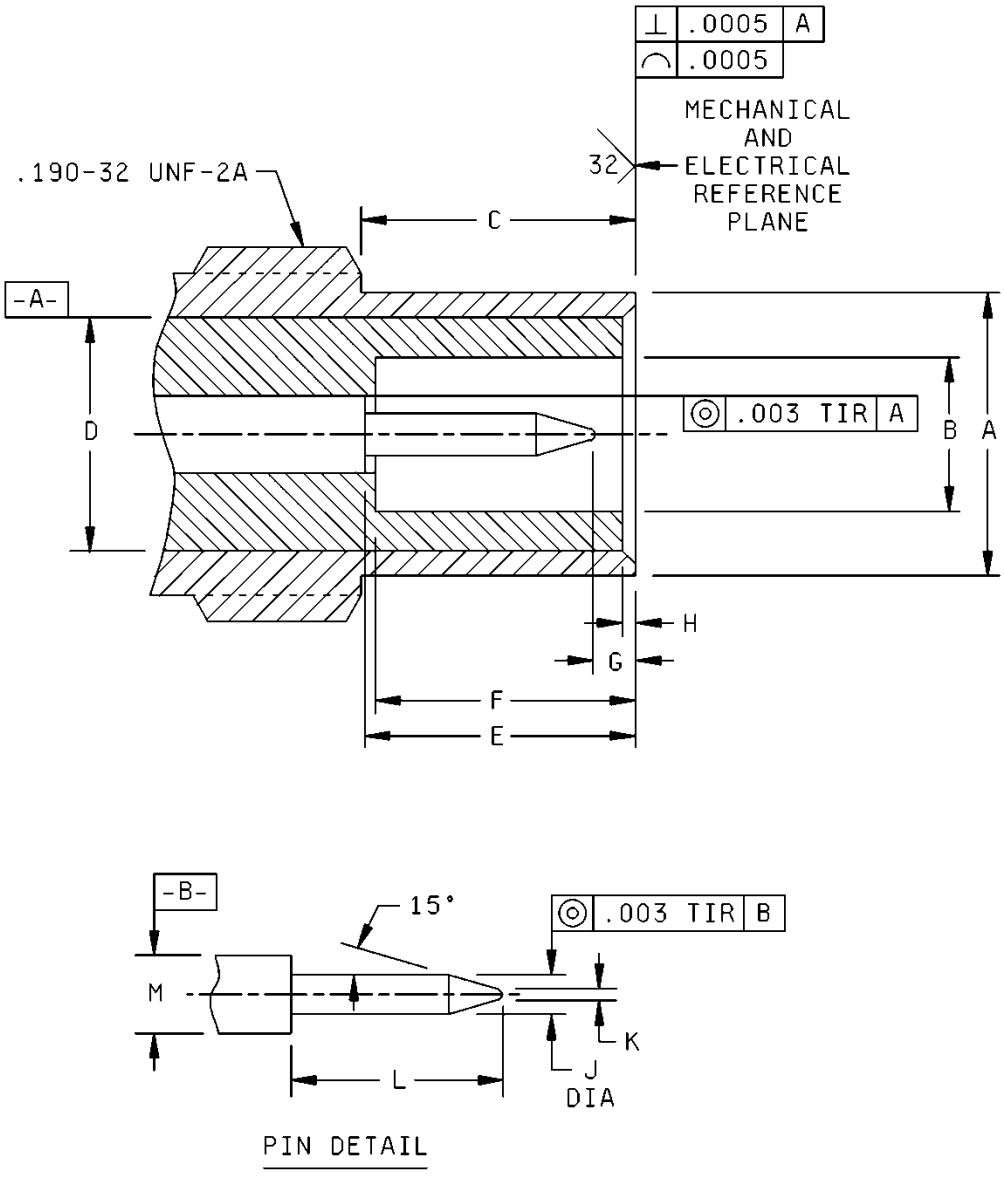


FIGURE 408-1. Interface, test connector, series SMC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.144 (3.66)	.146 (3.71)
B	.082 (2.08)	.085 (2.16)
C	.123 (3.12)	.133 (3.38)
D	.120 (3.05)	.121 (3.07)
E	.134 (3.40)	.138 (3.51)
F	.134 (3.40)	.142 (3.61)
G	.031 (0.79)	---------
H	.000 (0.00)	.005 (0.13)
J	.019 (0.48)	.021 (0.53)
K	---------	.010 (0.25)
L	.099 (2.51)	.103 (2.62)
M	.0381 (0.968)	.0389 (0.988)

FIGURE 408-1. Interface, test connector, series SMC, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

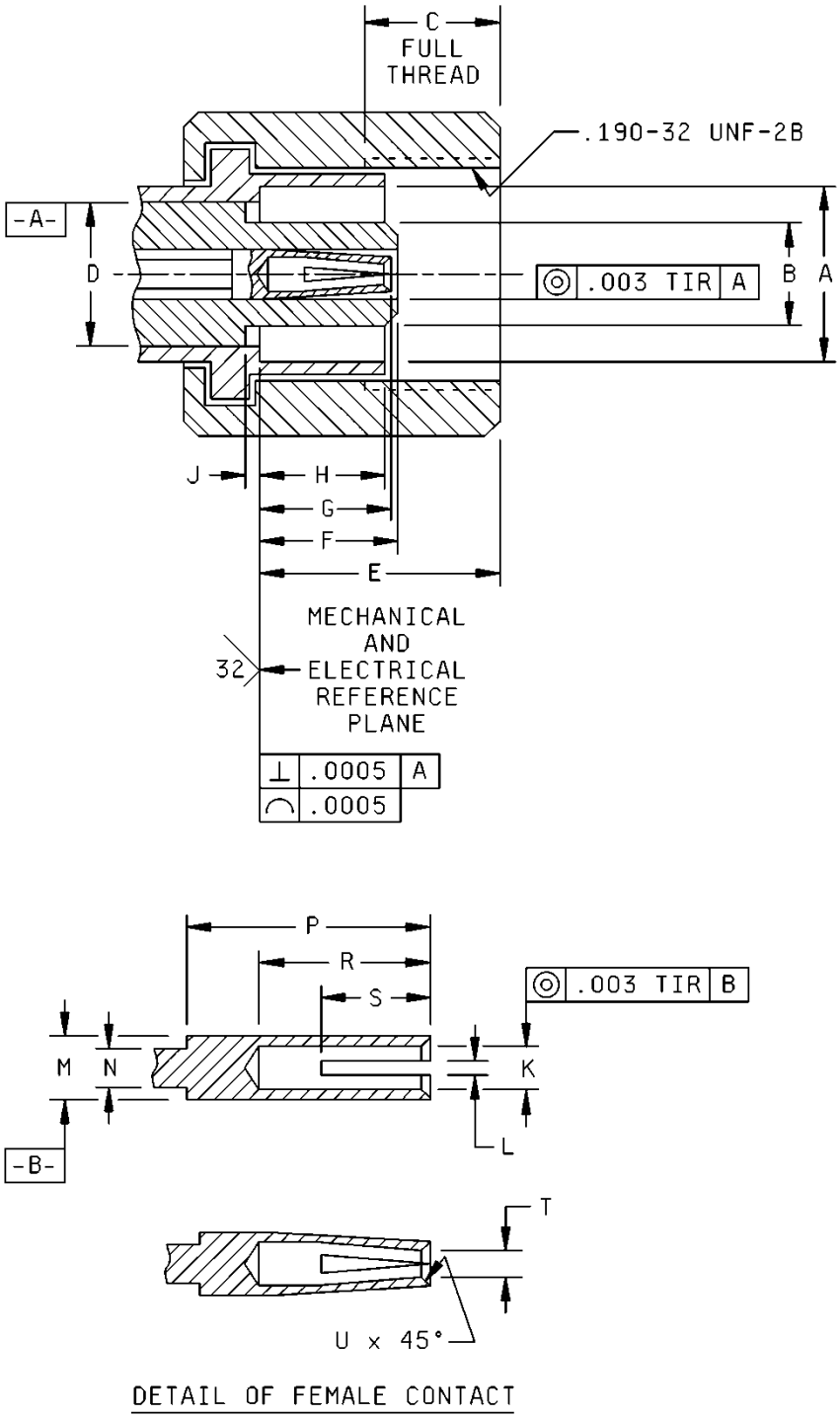


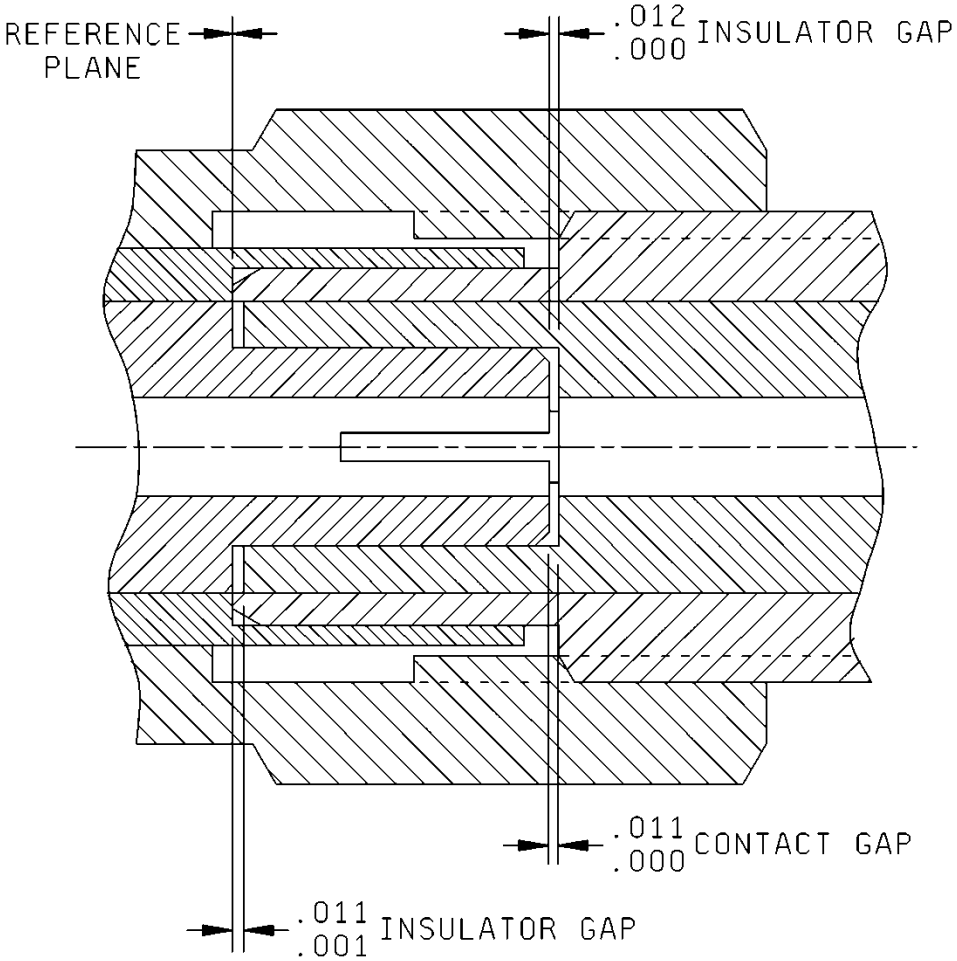
FIGURE 408-2. Interface, test connector, series SMC, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.147 (3.73)	.150 (3.81)
B	.079 (2.01)	.081 (2.06)
C	.110 (2.79)	---------
D	.120 (3.05)	.121 (3.07)
E	---------	.233 (5.92)
F	.130 (3.30)	.134 (3.40)
G	.127 (3.23)	.134 (3.40)
H	.120 (3.05)	.122 (3.10)
J	.000 (0.00)	.006 (0.15)
K	.0219 (0.556)	.0236 (0.599)
L	.005 (0.13)	.009 (0.23)
M	.0396 (1.006)	.0404 (1.026)
N	.0381 (0.968)	.0389 (0.998)
P	.1325 (3.365)	.1375 (3.492)
R	.110 (2.79)	---------
S	.065 (1.65)	
T	.0155 (0.394)	.0190 (0.483)
U	.002 (0.05)	.006 (0.15)

FIGURE 408-2. Interface, test connector, series SMC, socket contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Inches (mm)
.001 (0.03)
.011 (0.28)
.012 (0.30)

FIGURE 408-3. Interface, mated test connector, series SMC.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

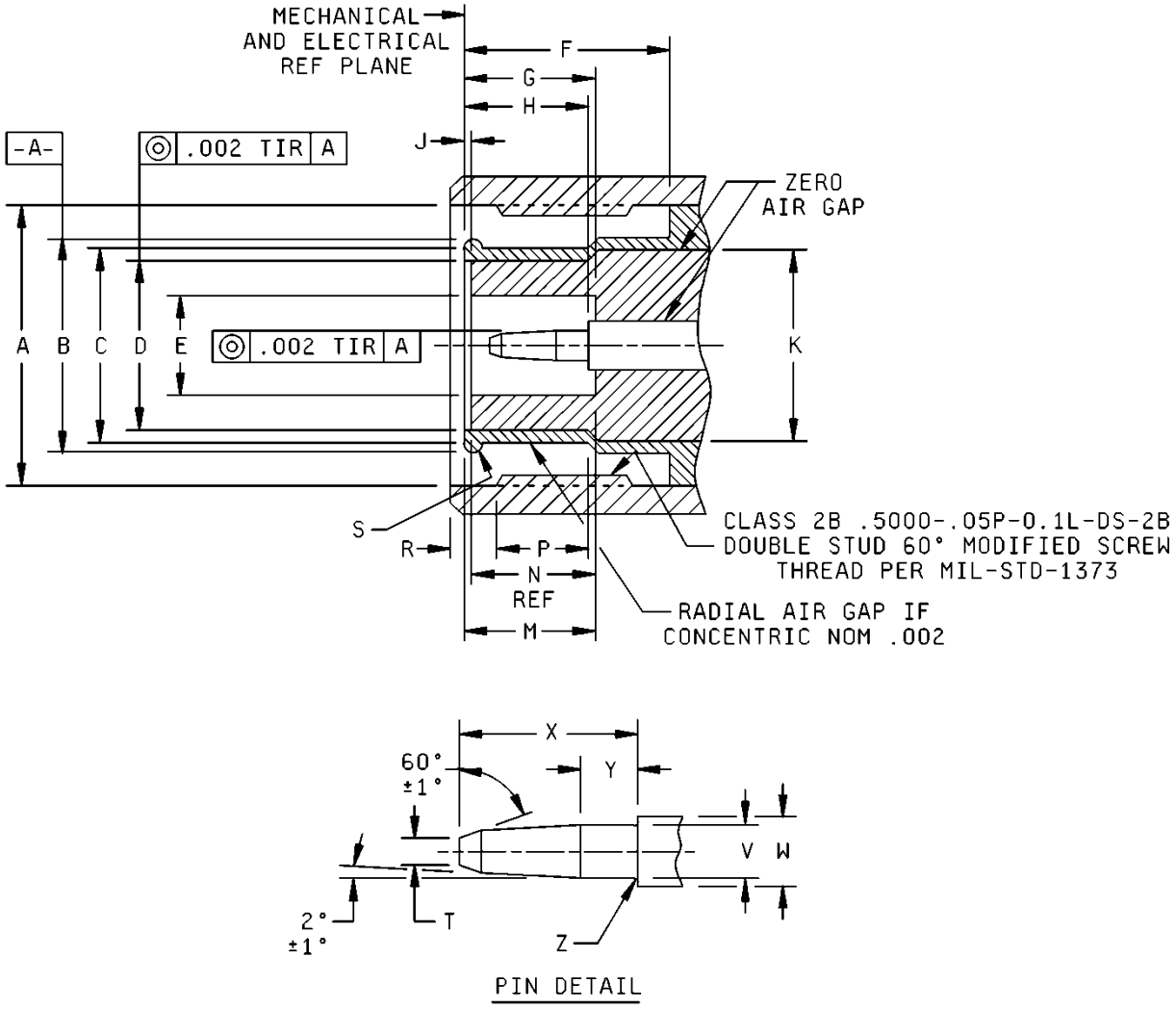


FIGURE 409-1. Interface, test connector, series QNC, pin contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.516 (13.11)	.519 (13.18)
B	.319 (8.10)	.321 (8.15)
C	.2645 (6.718)	.2655 (6.744)
D	.260 (6.60)	.262 (6.65)
E	.190 (4.83)	---------
F	.340 (8.64)	---------
G	.212 (5.38)	.218 (5.54)
H	.209 (5.31)	.212 (5.38)
J	.006 (0.15)	.012 (0.30)
K	.2751 (6.987)	.2761 (7.013)
M	.209 (5.31)	.211 (5.36)
N	.203 (5.16) Reference	
P	.271 (6.88)	.291 (7.39)
R	.088 (2.24)	.098 (2.49)
S	.029 (0.74)	.035 (0.89)
T	.013 (0.33)	.027 (0.69)
V	.0530 (1.346)	.0540 (1.372)
W	.0837 (2.126)	.0847 (2.151)
X	.182 (4.62)	.192 (4.88)
Y	.035 (0.89)	.045 (1.14)
Z	---------	.005 (0.13) Rad

FIGURE 409-1. Interface, test connector, series QNC, pin contact - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

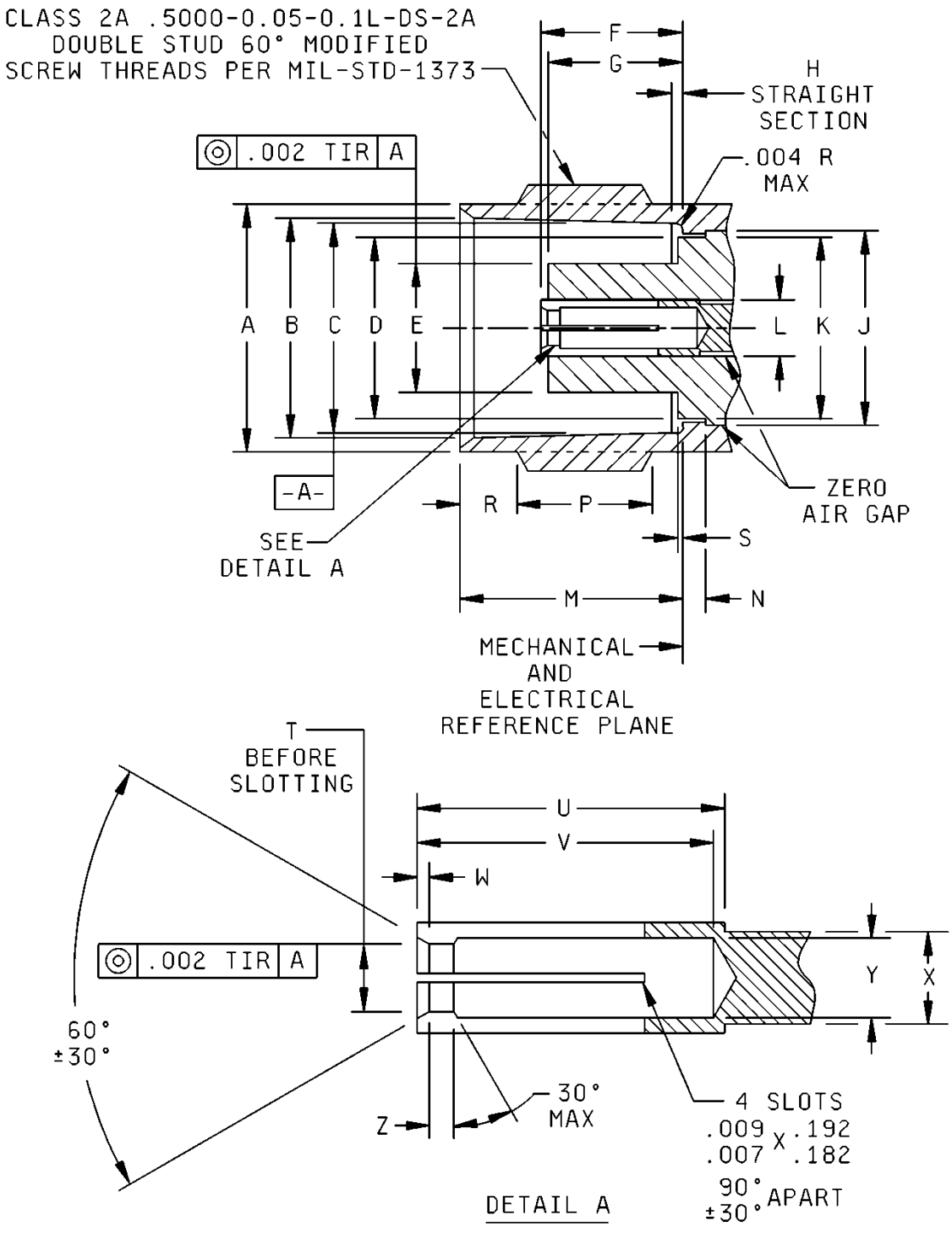


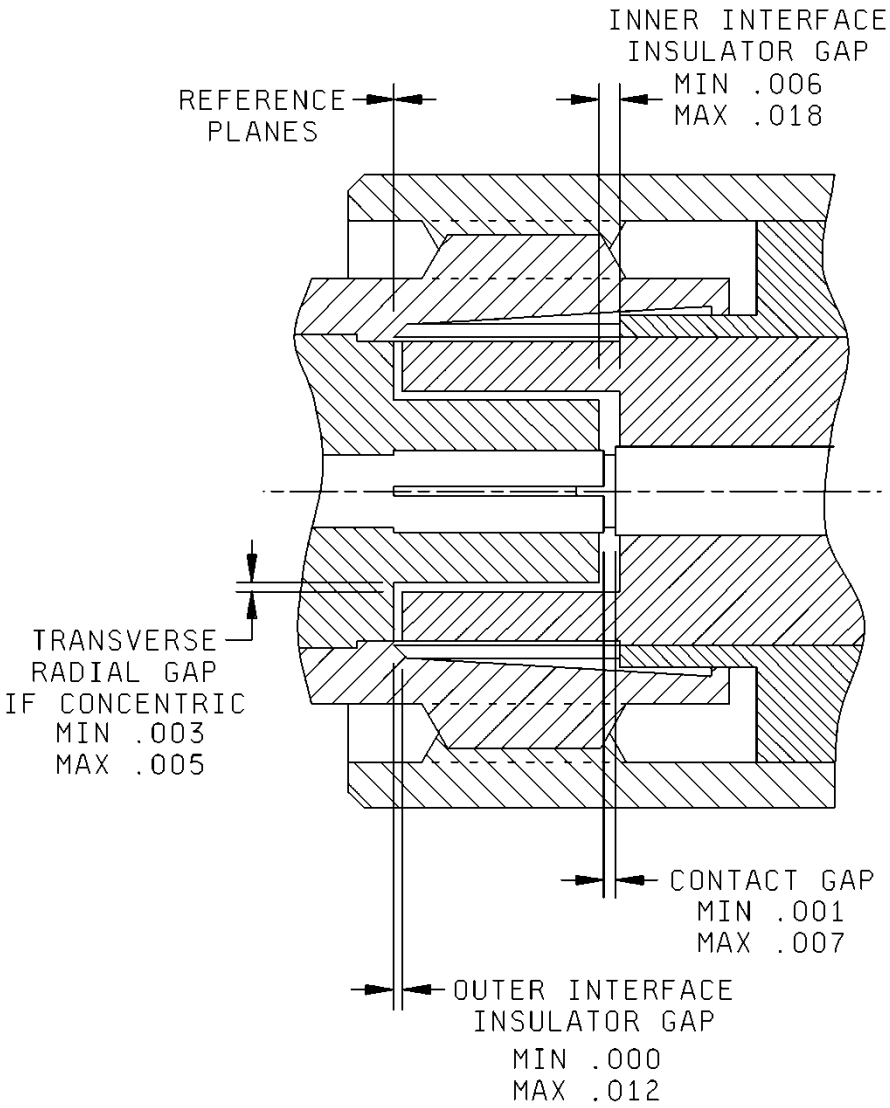
FIGURE 409-2. Interface, test connector, series QNC, socket contact.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.446 (11.33)	.449 (11.40)
B	.327 (8.31)	.333 (8.46)
C	.319 (8.10)	.321 (8.15)
D	.264 (6.71)	.266 (6.76)
E	.184 (4.67)	.186 (4.72)
F	.205 (5.21)	.208 (5.28)
G	.200 (5.08)	.206 (5.23)
H	.026 (0.66)	.036 (0.91)
J	.2751 (6.987)	.2761 (7.013)
K	.259 (6.58)	.263 (6.68)
L	.186 (4.72)	.188 (4.78)
M	.309 (7.85)	.313 (7.95)
N	.031 (0.79)	.033 (0.84)
P	.271 (6.88)	.291 (7.39)
R	.088 (2.24)	.098 (2.49)
S	.000 (0.00)	.006 (0.15)
T	.0330 (0.838)	.0340 (0.864)
U	.219 (5.56)	.281 (7.14)
V	.238 (6.05)	.240 (6.10)
W	.002 (0.05)	.008 (0.20)
X	.0837 (2.126)	.0847 (2.151)
Y	.060 (1.52)	.064 (1.63)
Z	.015 (0.38)	.035 (0.89)

FIGURE 409-2. Interface, test connector, series QNC, socket contact – Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.



Inches	(mm)
.001	0.03
.003	0.08
.005	0.13
.006	0.15
.007	0.18
.012	0.30
.018	0.46

FIGURE 409-3. Gap of mated standard test connector, series QNC.

Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

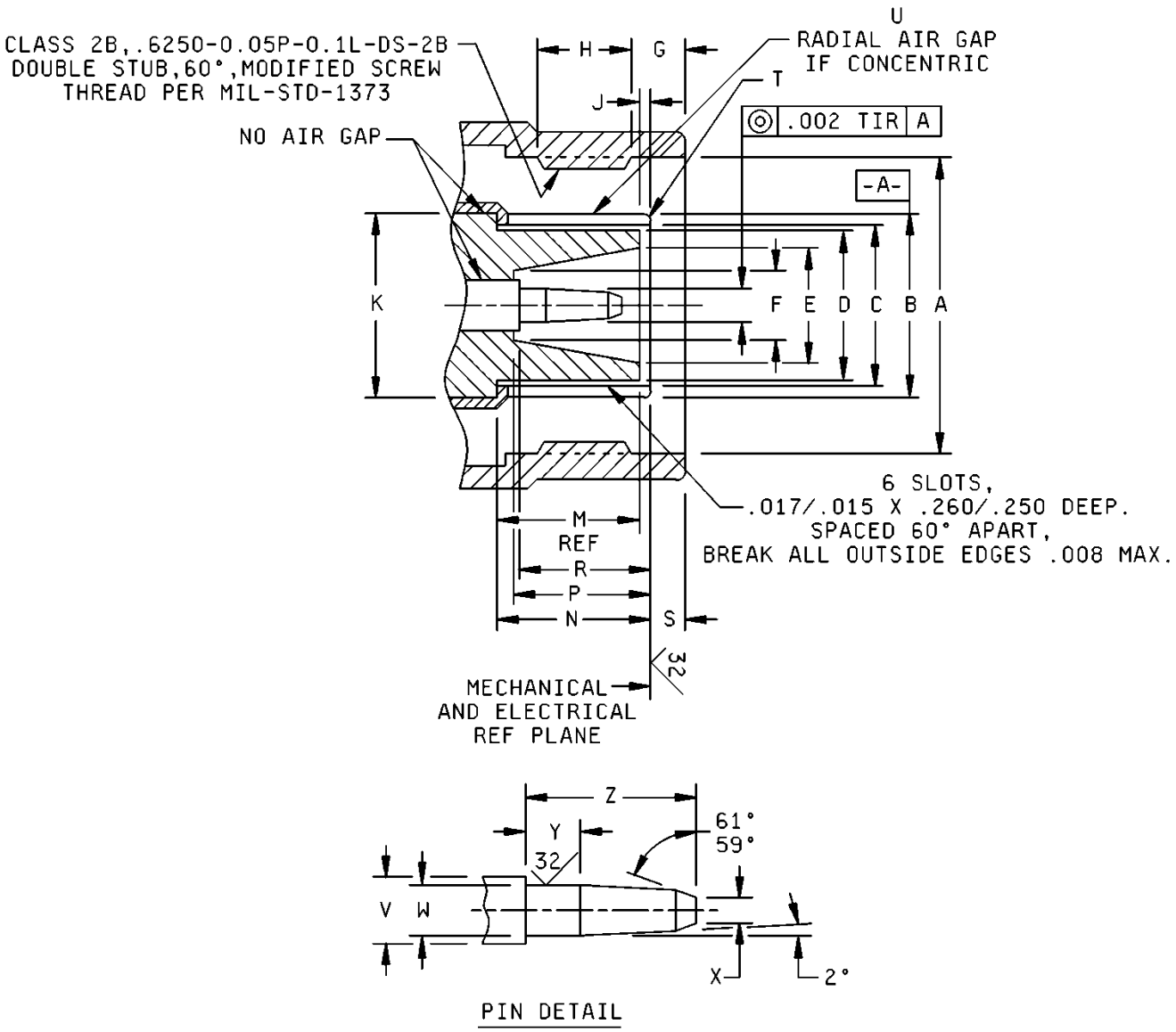


FIGURE 410-1. Interface, test connector, series QSC, pin contact.

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Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.639 (16.23)	.645 (16.38)
B	.412 (10.46)	.414 (10.52)
C	.3815 (9.69)	.3825 (9.72)
D	.375 (9.53)	.379 (9.63)
E	.286 (7.26)	.290 (7.37)
F	.198 (5.03)	.202 (5.13)
G	.088 (2.24)	.098 (2.49)
H	.271 (6.88)	.291 (7.39)
J	.007 (0.18)	.013 (0.33)
K	.3915 (9.94)	.3925 (9.97)
M	.350 (8.89) Reference	
N	.359 (9.12)	.361 (9.17)
P	.312 (7.92)	.318 (8.08)
R	.306 (7.77)	.309 (7.85)
S	---------	.085 (2.16)
T	.005 (0.13) Rad.	.008 (0.20) Rad.
U	.0025 (.06)	
V	.1192 (3.03)	.1202 (3.05)
W	.0905 (2.30)	.0915 (2.32)
X	.041 (1.04)	.051 (1.30)
Y	.035 (0.89)	.045 (1.14)
Z	.182 (4.62)	.192 (4.88)

FIGURE 410-1. Interface, test connector, series QSC, pin contact – Continued.

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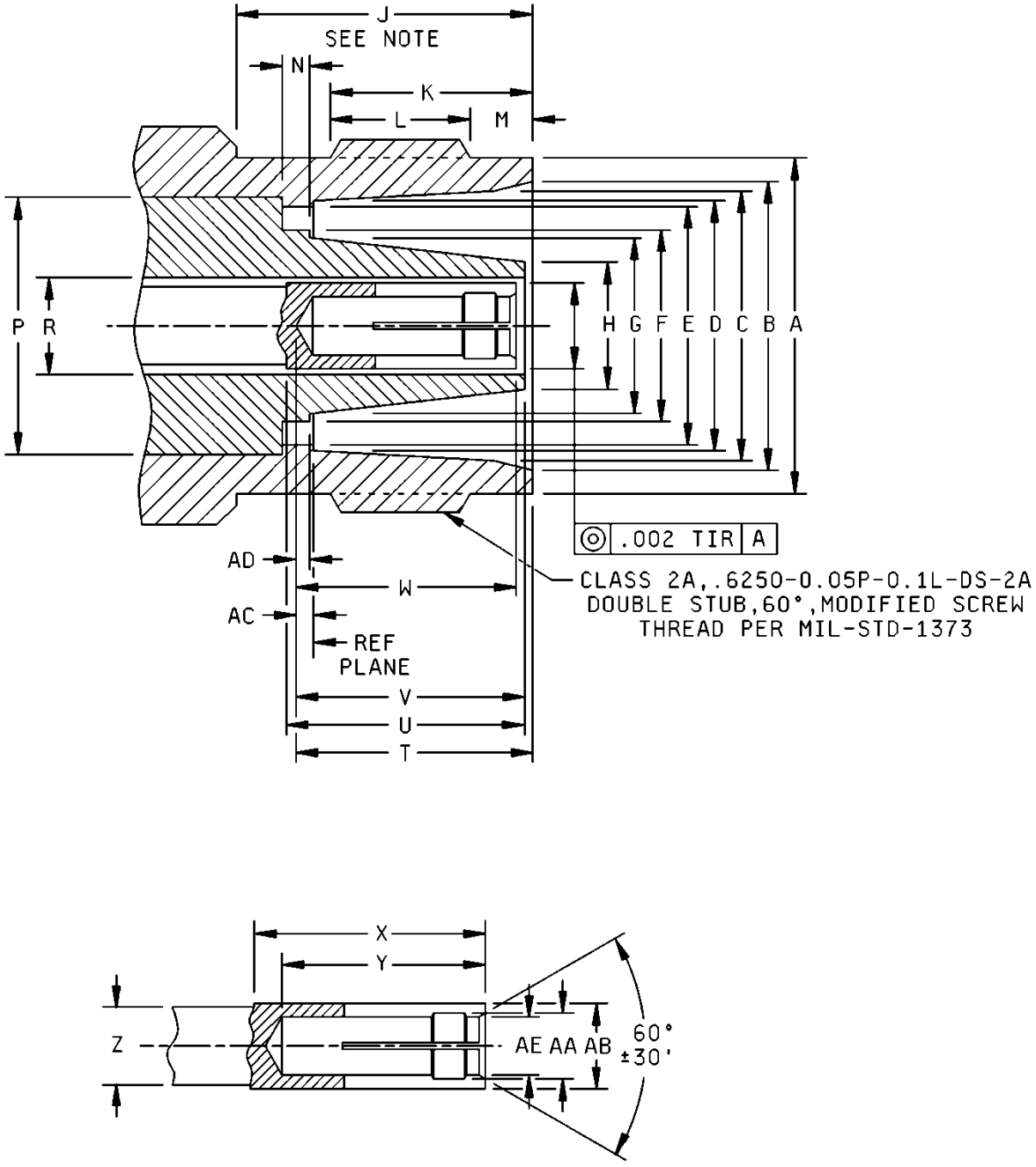


FIGURE 410-2. Interface, test connector, series QSC, socket contact.

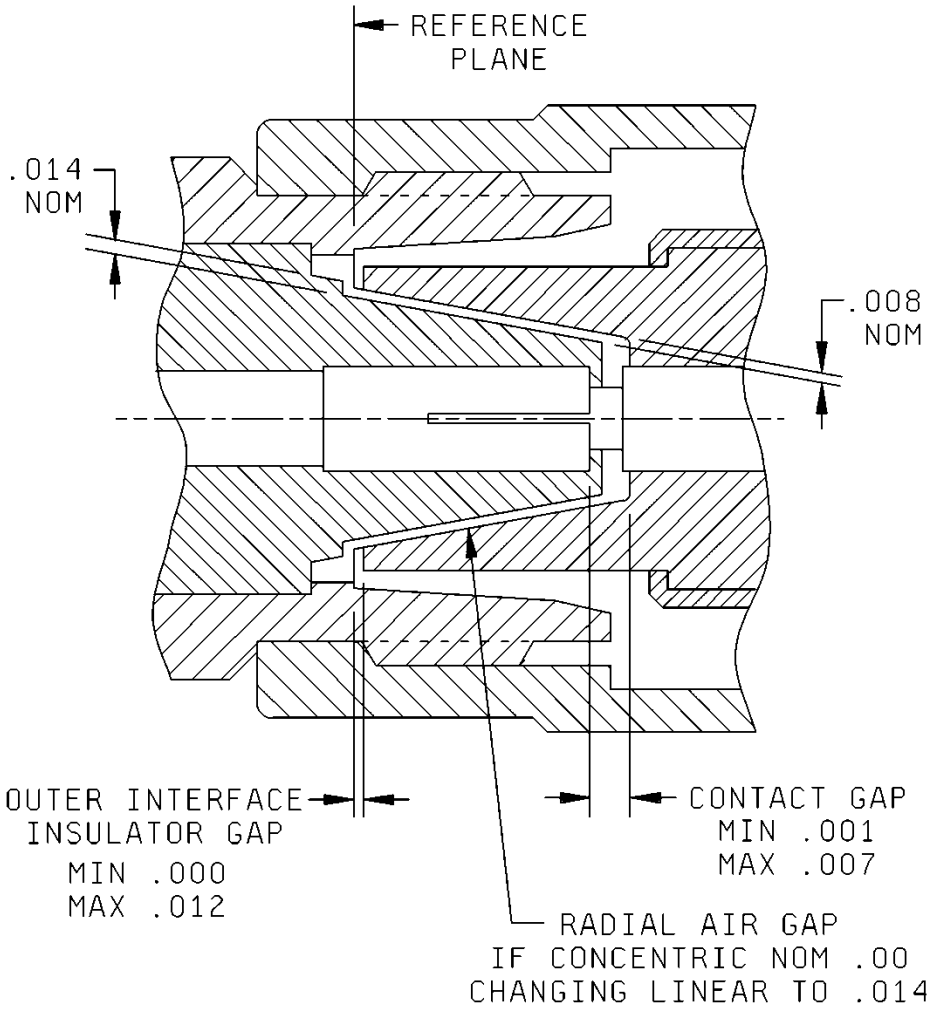
Source: https://assist.dla.mil -- Downloaded: 2026-11-17T23:52Z
Check the source to verify that this is the current version before use.

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.571 (14.50)	.574 (14.58)
B	.485 (12.32)	.495 (12.57)
C	.440 (11.18)	.450 (11.43)
D	.411 (10.44)	.415 (10.54)
E	.381 (9.68)	.383 (9.73)
F	.298 (7.57)	.302 (7.67)
G	.258 (6.55)	.262 (6.65)
H	.182 (4.62)	.186 (4.72)
J	.495 (12.57)	---
K	.371 (9.42)	.377 (9.58)
L	.271 (6.88)	.291 (7.39)
M	.088 (2.24)	.098 (2.49)
N	.031 (.79)	.033 (.84)
P	.3915 (9.94)	.3925 (9.97)
R	.127 (3.23)	.129 (3.28)
T	.304 (7.72)	.306 (7.77)
U	.388 (9.86) nominal	
V	.303 (7.70)	.309 (7.85)
W	.300 (7.62)	.303 (7.70)
X	.337 (8.56) nominal	
Y	.325 (8.26)	---
Z	.1192 (3.030)	.1202 (3.050)
AA	.097 (2.46)	.101 (2.57)
AB	.1255 (3.19)	.1265 (3.21)
AC	.020 (0.51)	.040 (1.02)
AD	.001 (0.02)	.007 (0.18)
AE	.0905 (2.30)	.0915 (2.32)

NOTE: Clearance for mating coupling nut.

FIGURE 410-2. Interface, test connector, series QSC, socket contact – Continued.

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Inches	(mm)
.000	(0.00)
.001	(0.02)
.007	(0.18)
.008	(0.20)
.012	(0.30)
.014	(0.36)

FIGURE 410-3. Gap of mated standard test connector, series QSC.

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Concluding Material

Custodians:
Army – CR
Navy – EC
Air Force – 85
DLA – CC

Review activities:
Army – AT, AV
Navy – AS, CG, MC

Preparing activities:
DLA – CC

(Project 5935-2024-134)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at https://assist.dla.mil.

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