

NOTICE OF  
CHANGE

INCH-POUND

MIL-STD-348A  
NOTICE 2  
21 July 1992

MILITARY STANDARD

RADIO FREQUENCY CONNECTOR INTERFACES FOR

MIL-C-3643, MIL-C-3650, MIL-C-3655, MIL-C-25516,  
MIL-C-26637, MIL-C-39012, MIL-C-49142, MIL-A-55339,  
AND MIL-C-83517

TO ALL HOLDERS OF MIL-STD-348A:

1. THE FOLLOWING PAGES OF MIL-STD-348A ARE NEW OR HAVE BEEN REVISED AND SUPERSEDE THE PAGES LISTED:

NEW PAGE	DATE	SUPERSEDED PAGE	DATE
iii		iii	12 January 1990
iv		iv	12 January 1990
v/vi		v	12 January 1990
SECTION 300		SECTION 300	12 January 1990
310.1		310.1	12 January 1990
310.2		310.2	12 January 1990
310.3/310.4		310.3	12 January 1990
323.1		NEW	---
323.2		NEW	---
325.1		NEW	---
325.2		NEW	---

2. RETAIN THIS NOTICE AND INSERT BEFORE TABLE OF CONTENTS.

3. Holders of MIL-STD-348A will verify that page changes and additions indicated above have been entered. This notice page will be retained as a check sheet. This issuance, together with appended pages, is a separate publication. Each notice is to be retained by stocking points until the military standard is completely revised or canceled.

CONCLUDING MATERIAL

Custodians:  
Army - CR  
Navy - EC  
Air Force - 85

Review activities:  
Army - AT, AV, MI  
Navy - AS, SH  
Air Force - 10, 11, 17, 99  
DLA - ES

User activities:  
Navy - CG, MC

Preparing activity:  
Army - CR

Agent:  
DLA - ES

(Project 5935-3815)

AMSC N/A

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FSC 5935

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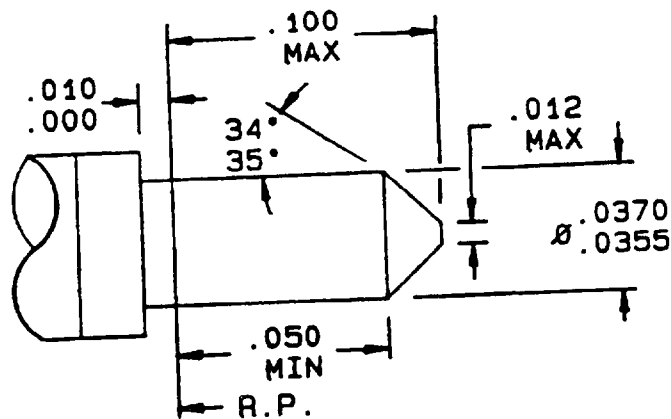
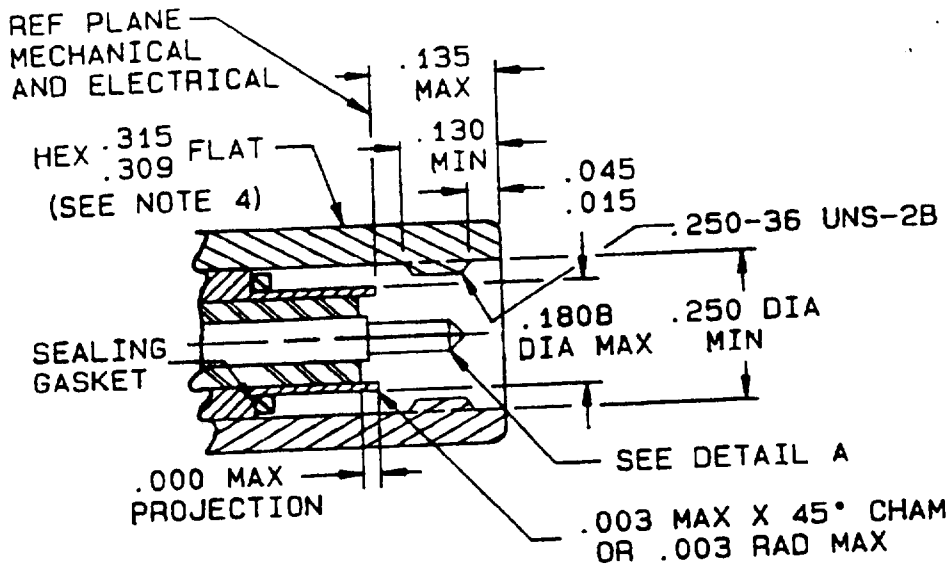
SECTION 300

Interface Dimensions for MIL-C-3643, MIL-C-3650, MIL-C-26637,  
MIL-C-39012, MIL-A-55339, and MIL-C-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 QMC
Section 308	Series QSC
Section 309	Series SC
Section 310	Series SMA
Section 311	Series SMB
Section 312	Series SMC
Section 313	Series TNC and TNCA
Section 314	Series SHV
Section 315	Series LC
Section 316	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	Reserved for 2.4 mm
Section 325	Series BMZ

Supersedes section 300 of  
Notice 1.

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Inches	mm
.000	0.00
.003	0.08
.010	0.25
.012	0.30
.015	0.38
.0355	0.900
.0370	0.940
.045	1.14
.050	1.27
.100	2.54
.130	3.30
.135	3.43
.1808	4.590
.250	6.35
.309	7.85
.315	8.00

NOTES:

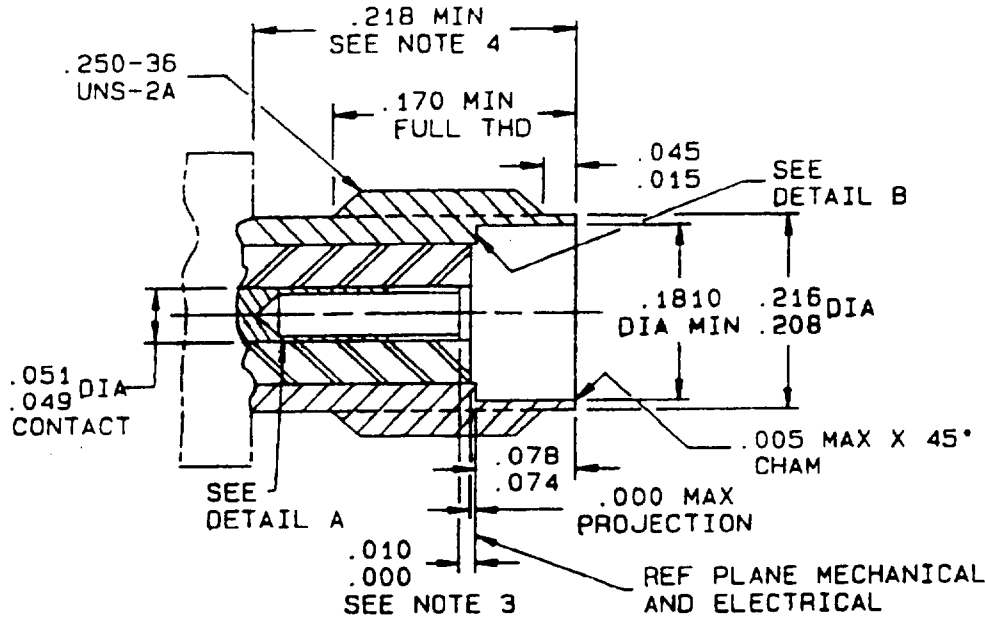
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Connector interfaces (after connector mating) shall be kept free from dust and moisture.
4. Ray extend throughout the full length of the coupling nut.

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

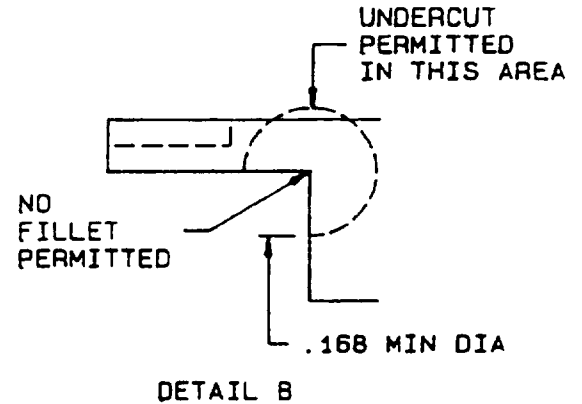
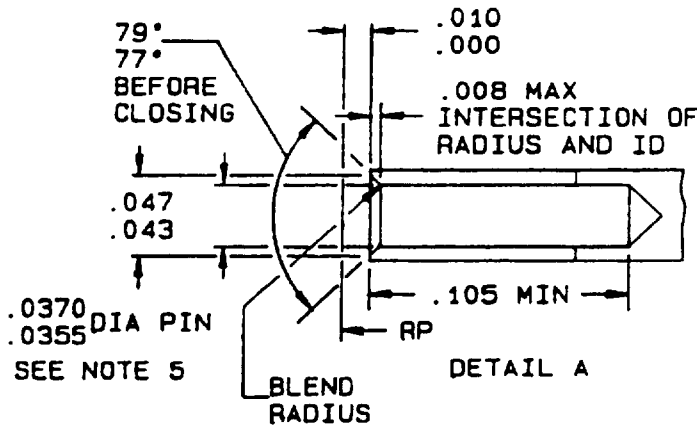
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Inches	mm
.005	0.13
.008	0.20
.010	0.25
.015	0.38
.0355	0.900
.0370	0.940
.043	1.08
.045	1.14
.047	1.19
.049	1.24
.051	1.29
.074	1.88
.078	1.98
.105	2.67
.168	4.27
.170	4.32
.1810	4.597
.208	5.28
.216	5.49
.218	5.54
.250	6.35



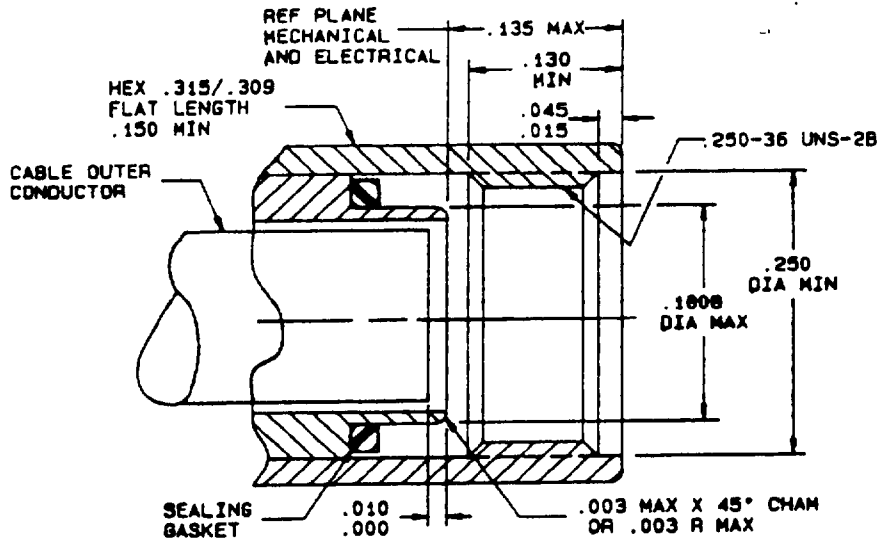
NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Previously qualified parts utilizing a .030 inch maximum contact recession are not acceptable for Government procurement. Caution should be exercised to determine whether a .030 inch 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 diameter pin

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

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Inches	mm
.000	0.00
.003	0.08
.010	0.25
.015	0.38
.045	1.14
.130	3.30
.135	3.43
.150	3.81
.1808	4.59
.250	6.35
.309	7.85
.315	8.00

NOTES:

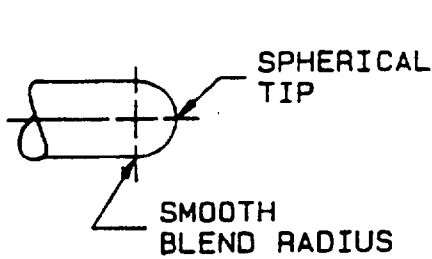
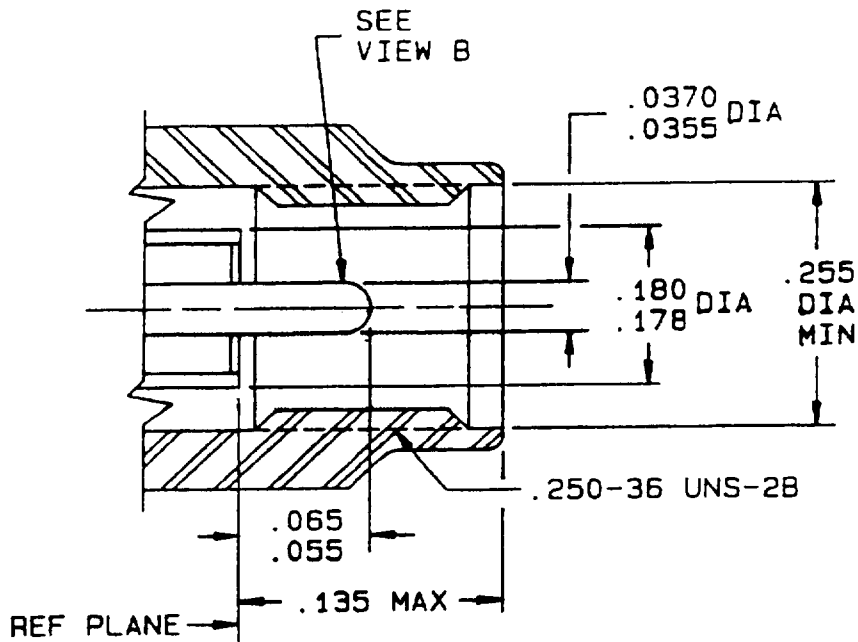
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Reference MIL-C-39012/92 for cable stripping dimensions.

FIGURE 301-3. Interface, series SMA, no contact.

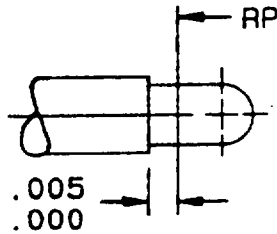
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VIEW B  
MALE PIN



PIN DETAIL OPTIONAL  
CONFIGURATION

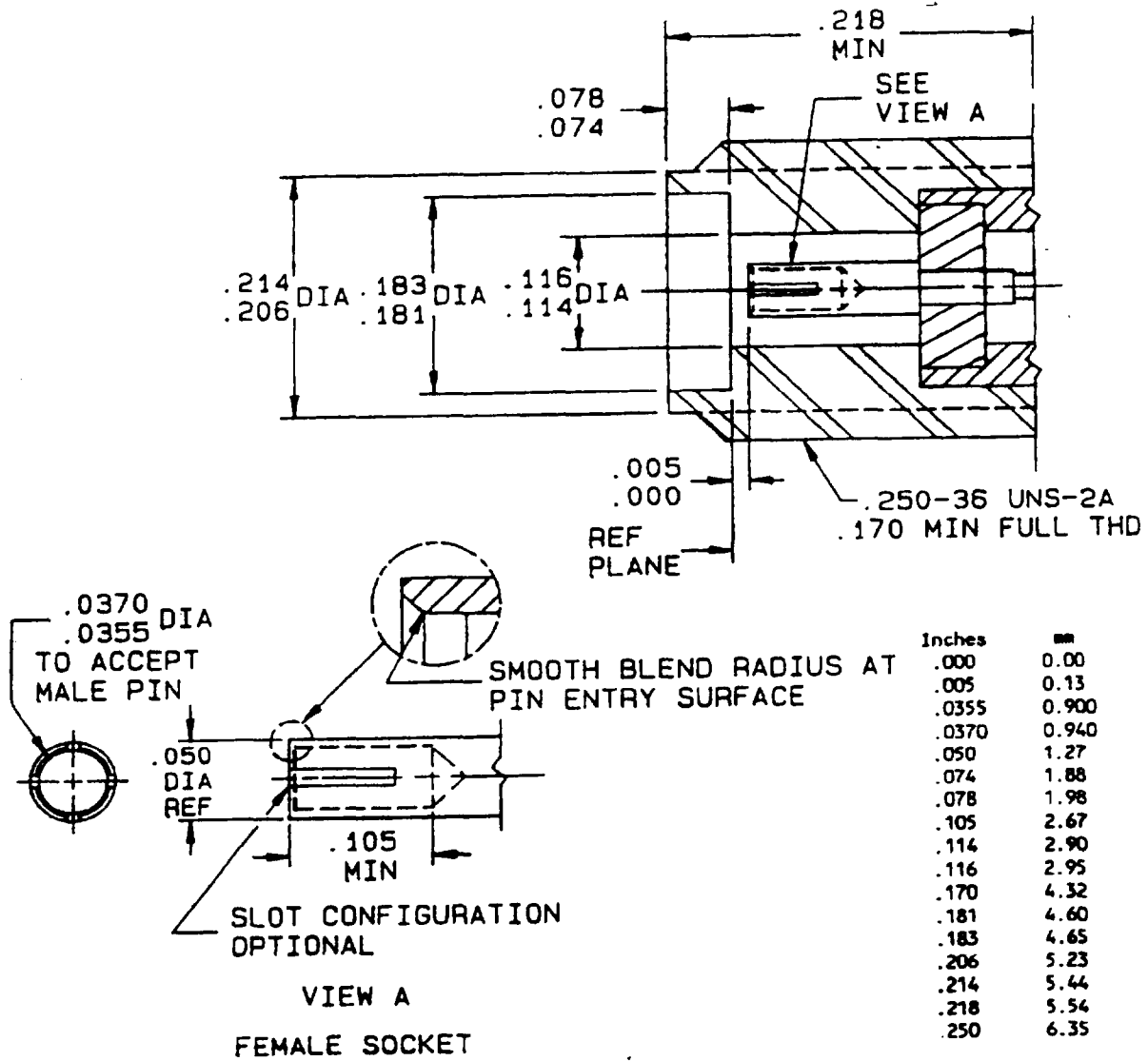
Inches	mm
.000	0.00
.005	0.13
.0355	0.900
.0370	0.940
.055	1.40
.065	1.65
.135	3.43
.178	4.52
.180	4.59
.250	6.35
.255	6.48

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. The location of the contact support bead shall not extend beyond the reference plane.

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

NEW PAGE

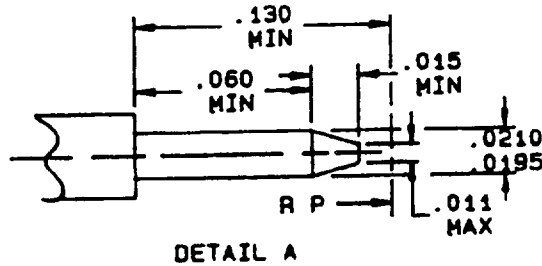
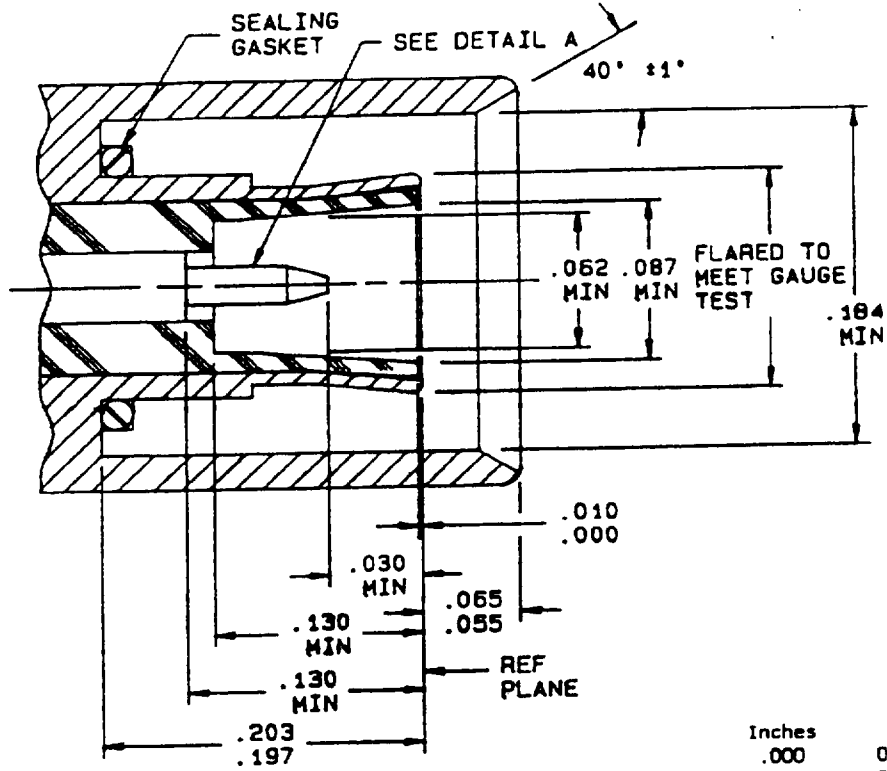


NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are  $\pm .005$ .

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

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Inches	mm
.000	0.00
.010	0.25
.011	0.30
.015	0.38
.0195	0.50
.0210	0.53
.030	0.76
.055	1.40
.060	1.52
.062	1.57
.065	1.65
.087	2.21
.130	3.30
.184	4.67
.197	5.00
.203	5.16

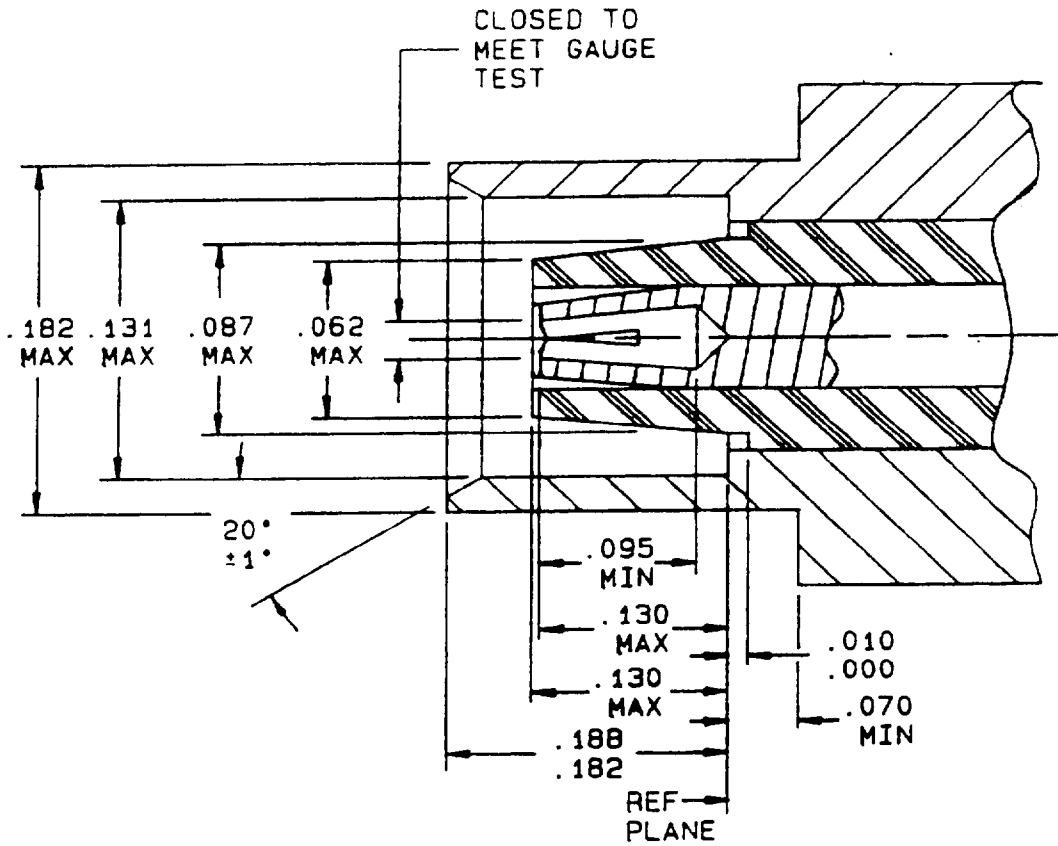
NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.

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

NEW PAGE

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Inches	mm
.000	0.00
.010	0.25
.062	1.57
.070	1.78
.087	2.21
.095	2.31
.130	3.30
.131	3.33
.182	4.62
.188	4.78

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.

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

NEW PAGE