

INCH-POUND

MS3187F  
 1 March 2007  
 SUPERSEDING  
 MS3187E  
 14 April 1977

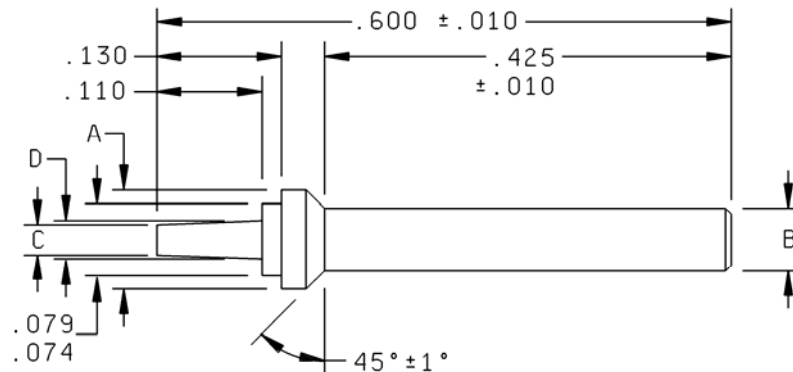
## DETAIL SPECIFICATION SHEET

PLUG, END SEAL, FOR MIL-DTL-26482, MIL-DTL-5015, MIL-C-81703  
 AND MIL-DTL-83723 ELECTRICAL CONNECTORS

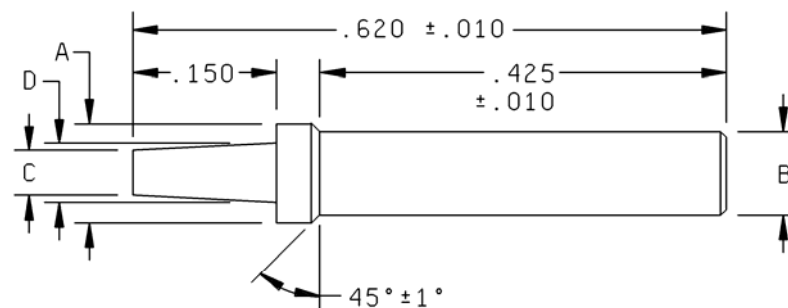
Reactivated after 1 March 2007 and may be used  
 for new and existing designs and acquisitions.

This specification is approved for use by all Departments and  
 Agencies of the Department of Defense.

The requirements for acquiring the product described herein  
 shall consist of this specification sheet and MIL-DTL-26482.



SEALING PLUG SIZE 20



SEALING PLUG SIZES 12-16

FIGURE 1. Grommet end seal for MIL-DTL-26482 series 1, and MIL-C-81703  
 series 2 electrical connectors.

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Part or Identifying Number (PIN)	Size	A	B ± .003	C	D	Color code
MS3187-A20	A20	.106 (2.69) .102 (2.59)	.066 (1.68)	.034 (0.86) .030 (0.76)	.042 (1.07) .037 (0.94)	Red
MS3187-16	16	.105 (2.67) .101 (2.57)	.088 (2.24)	.050 (1.27) .045 (1.14)	.064 (1.63) .059 (1.50)	Blue
MS3187-12	12	.153 (3.89) .147 (3.73)	.120 (3.05)	.082 (2.08) .077 (1.96)	.096 (2.44) .091 (2.31)	Yellow

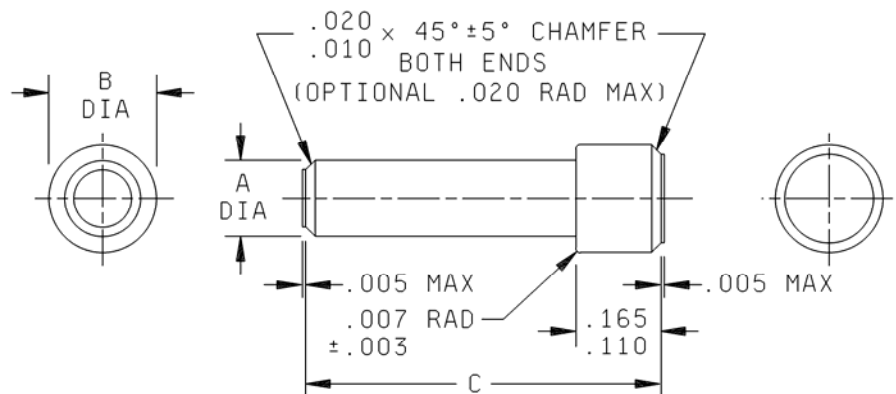
Inches	mm	Inches	mm
.003	0.08	.130	3.30
.010	0.25	.150	3.81
.074	1.88	.425	10.79
.079	2.01	.600	15.24
.110	2.79	.620	15.75

## NOTES:

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

FIGURE 1. Grommet end seal for MIL-DTL-26482 series 1, and MIL-C-81703 series 2 electrical connectors - Continued.

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PIN	Install in connector contact cavity size	A dia	B dia	C	Color code
MS3187-20-2	20	.065 (1.65) .045 (1.14)	.100 (2.54) .085 (2.16)	.584 (14.83) .544 (13.82)	Red
MS3187-16-2	16	.093 (2.36) .073 (1.85)	.138 (3.51) .128 (3.25)	.584 (14.83) .544 (13.82)	Blue
MS3187-12-2	12	.131 (3.33) .111 (2.82)	.176 (4.47) .166 (4.22)	.584 (14.83) .544 (13.82)	Yellow
MS3187-8-2	8	.195 (4.95) .175 (4.45)	.320 (8.13) .310 (7.87)	.480 (12.19) .460 (11.68)	Red
MS3187-4-2	4	.320 (8.13) .300 (7.62)	.420 (10.67) .410 (10.41)	.480 (12.19) .460 (11.68)	Blue
MS3187-0-2	0	.450 (11.43) .430 (10.92)	.610 (15.49) .600 (15.24)	1.010 (25.65) .990 (25.15)	Yellow

Inches	mm	Inches	mm
.003	0.08	.020	0.51
.005	0.13	.110	2.79
.007	0.18	.165	4.19
.010	0.25		

## NOTES:

1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are  $\pm .005$  inches.
3. Flash not to exceed .010 inches.
4. Break all sharp corners.

FIGURE 2. Grommet end seal for MIL-DTL-26482 series 2, and MIL-DTL-5015, MIL-C-81703 series 3 and MIL-DTL-83723 electrical connectors.

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### REQUIREMENTS:

Dimensions and configurations: See figures 1 and 2.

Material: Nylon, in accordance with ASTM D4066, type III for MIL-DTL-26482 series 1 and MIL-C-81703 series 2. TFE or equivalent nonconductive material capable of passing all class R performance requirements without damage to connector or plug. For MIL-DTL-26482 series 2, MIL-DTL-5015, MIL-C-81703 series 3 and MIL-DTL-83723.

Color: Coding colors are specified in accordance with MIL-STD-104.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-26482, this document references the following:

MIL-DTL-5015  
MIL-C-81703  
MIL-DTL-83723  
MIL-STD-104  
ASTM D4066

### CONCLUDING MATERIAL

#### Custodians:

Army – CR  
Navy – AS  
Air Force – 11  
DLA – CC

Preparing activity:  
DLA – CC

(Project 5935-4656-007)

#### Review activities:

Army – AR, AV, MI  
Navy – EC, SH

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 <http://assist.daps.dla.mil>.