

INCH-POUND

MS3187F
 1 March 2007
 SUPERSEDING
 MS3187E
 14 April 1977

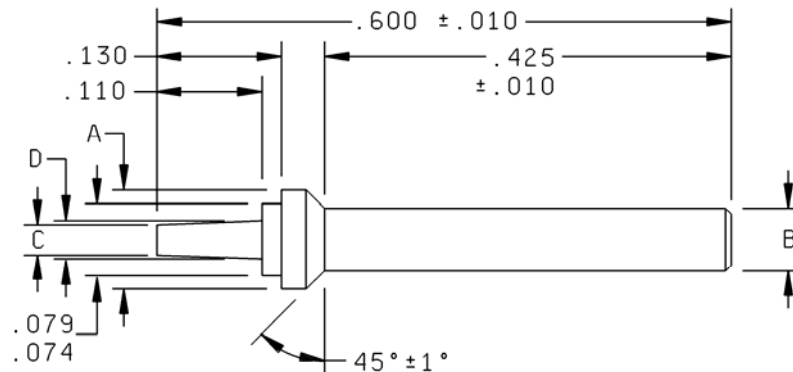
DETAIL SPECIFICATION SHEET

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

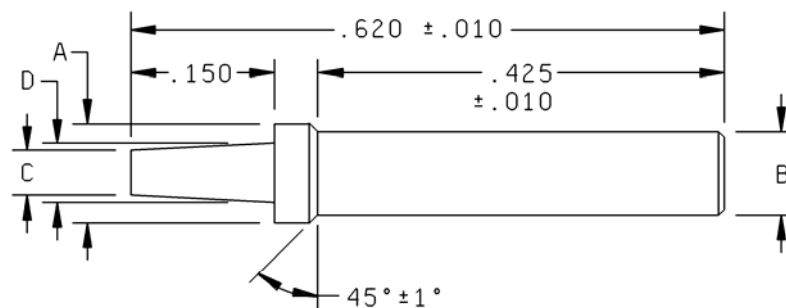
Reactivated after 1 March 2007 and may be used
 for new and existing designs and acquisitions.

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

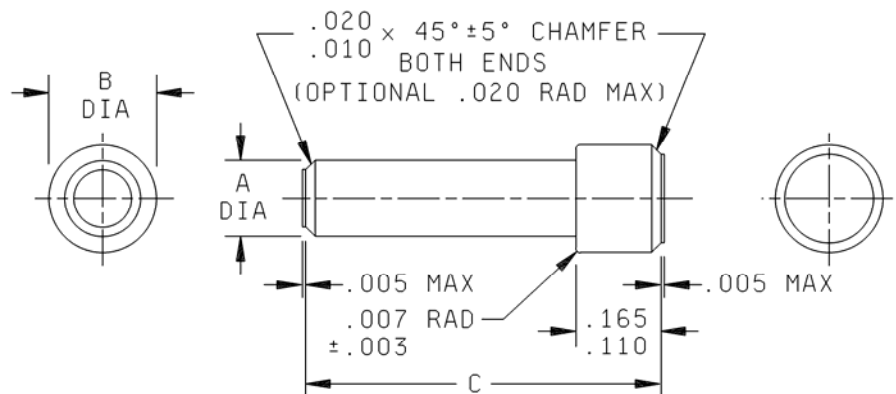
Inches	mm	Inches	mm
.003	0.08	.130	3.30
.010	0.25	.150	3.81
.074	1.88	.425	10.79
.079	2.01	.600	15.24
.110	2.79	.620	15.75

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>.