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REV.
B

AS85049™/81

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO IMPROVE DRAWING QUALITY/CLARIFY DIMENSIONS AND TO REMOVE THE NOTES AND INCLUDE THE INFORMATION IN THE REQUIREMENTS SECTION.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049.

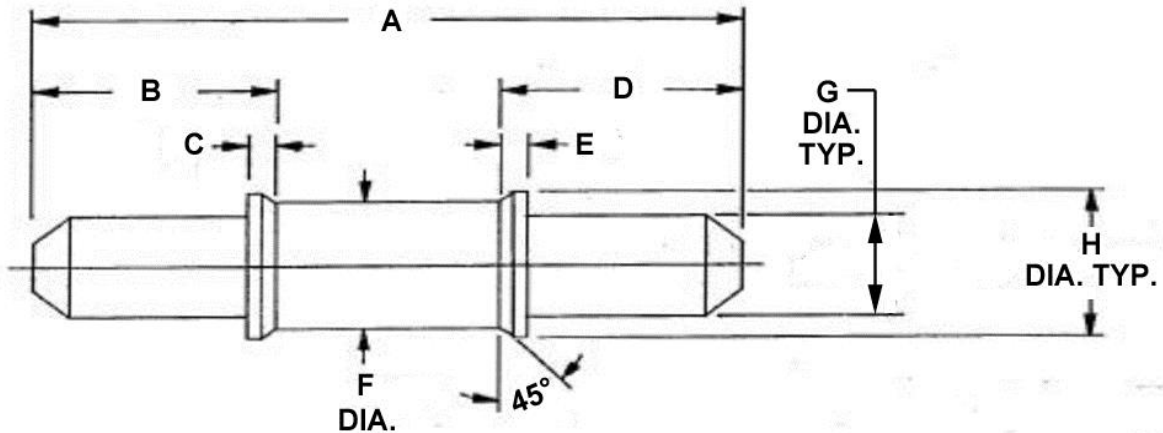


FIGURE 1 - DIMENSIONS AND CONFIGURATION

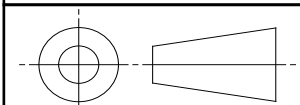
TABLE 1 - FIGURE 1 DIMENSIONS

DASH NUMBER	A	B	C	D	E	F DIA.	G DIA.	H DIA.
10	.702 (17.83) .672 (17.07)	.255 (6.48) .245 (6.22)	.034 (.86) .028 (.71)	.255 (6.48) .245 (6.22)	.034 (.86) .028 (.71)	.155 (3.94) .149 (3.78)	.130 (3.30) .120 (3.05)	.185 (4.70) .179 (4.55)

For more information on this standard, visit

<https://www.sae.org/standards/content/AS85049/81B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL,
SEAL PLUG, SIZE 10, CATEGORY 7
(FOR MIL-DTL-38999 CONNECTORS)

AS85049™/81
SHEET 1 OF 2

REV.
B

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REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049.

1. DESIGN AND CONSTRUCTION:

SEALING PLUG SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES. METRIC EQUIVALENTS ARE GIVEN FOR INFORMATION ONLY AND ARE BASED UPON 1.00 INCH = 25.4 MM. BREAK ALL SHARP EDGES. SEAL PLUG SHALL BE FREE OF FLASH AND BURRS.

2. MATERIALS:

PLASTIC ROD, MOLDED, AND EXTRUDED: TEMPERATURE LIMIT 200 °C MINIMUM. POLYTETRAFLUOROETHYLENE, PERFLUOROALKOXY (PFA) OR FLUORINATED ETHYLENE PROPYLENE (FEP).

COLOR: GREEN.

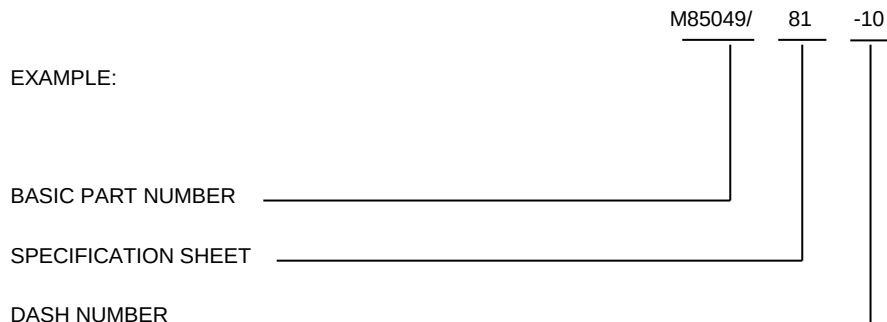
INSULATION RESISTANCE: SHALL BE 100 MEGOHMS MINIMUM AT 500 V DC WHEN TESTED IN ACCORDANCE WITH EIA 364-21 USING FLAT PROBES PLACED ON OPPOSITE ENDS OF THE SEALING PLUGS.

3. TOOLS: SEE TABLE 2.

TABLE 2 - TOOLS

GAUGE SIZE	INSTALLING TOOL	REMOVAL TOOL
SIZE 10	M81969/14-05	M81969/14-05

4. PART NUMBER. SEE EXAMPLE BELOW:



5. QUALIFICATION: SEE AS85049, CATEGORY 7.

EXAMINATION OF PRODUCT IS THE ONLY APPLICABLE TEST.

APPLICATION NOTES:

- THIS DESIGN IS FOR USE WITH ALL MIL-DTL-38999 CONNECTOR SERIES UTILIZING SIZE 10 CONTACT CAVITIES FOR M39029/56, /58 /106, /107, /117, /118, /121, OR /122 CONTACTS. SEAL PLUG TO BE USED IN BOTH PIN AND SOCKET REAR CAVITIES, PLUGS AND RECEPTACLES, WHERE A WIRE IS NOT PRESENT (UNWIRED CONTACTS).
- THIS SEALING PLUG ONLY PROVIDES ENVIRONMENTAL SEALING FEATURES. IF THE CONNECTOR IS INSTALLED IN AN EMI ENVIRONMENT APPLICATION, A METALLIC M39029 CONTACT OF SIZE 10 IS REQUIRED TO FILL THE CAVITY, FOLLOWED BY A M27488 SIZE 10 SEALING PLUG.

SPECIFICATION NOTES:

1. REVISION INDICATOR:

A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.

	AEROSPACE STANDARD	AS85049™/81 SHEET 2 OF 2	REV. B
	(R) CONNECTOR ACCESSORIES, ELECTRICAL, SEAL PLUG, SIZE 10, CATEGORY 7 (FOR MIL-DTL-38999 CONNECTORS)		



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