

REV.
C

SAE AS85049/80

RATIONALE

FEDERAL SUPPLY CLASS
5935

REVISION IS REQUIRED TO SPECIFY A SEALING BOOT FOR CERTAIN INSERTS TO MAINTAIN THE ENVIRONMENTAL SEALING CAPABILITY OF THE CONNECTOR.

NOTICE

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049.

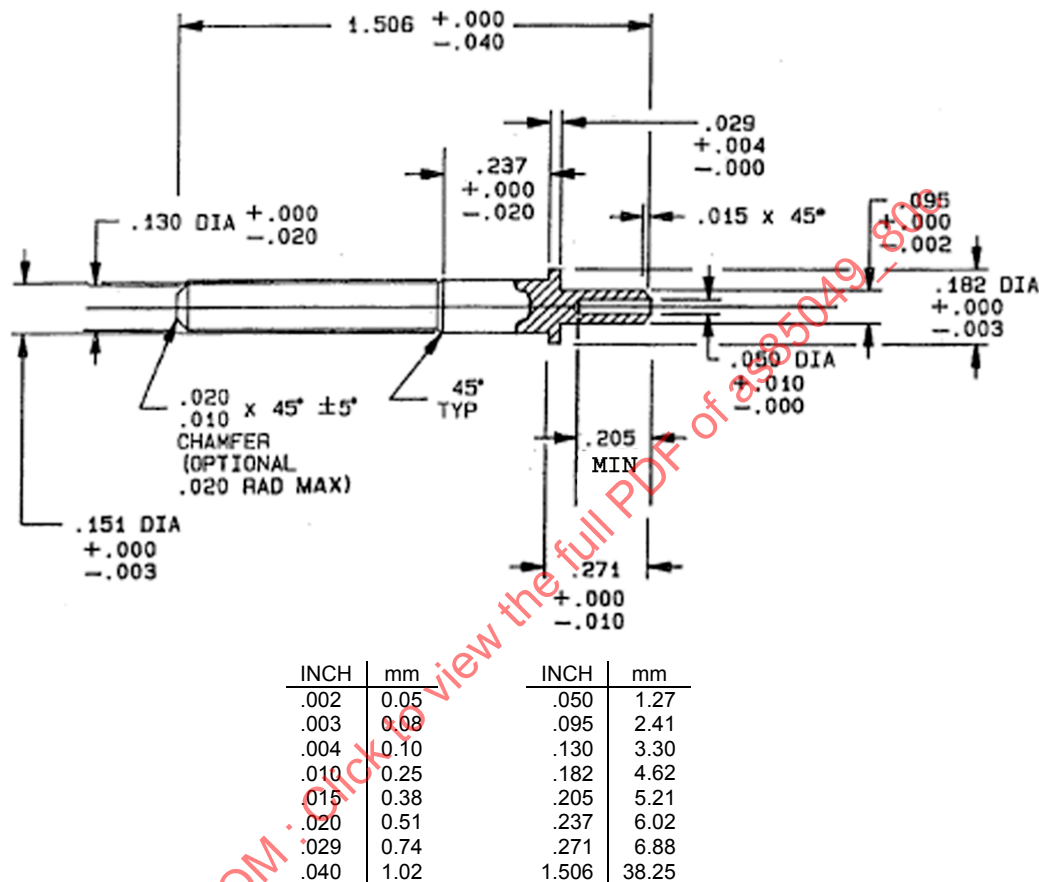
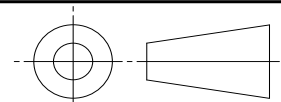


FIGURE 1 - DIMENSIONS AND CONFIGURATION FOR SIZE 12 CONTACTS

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS85049/80C>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: NONE

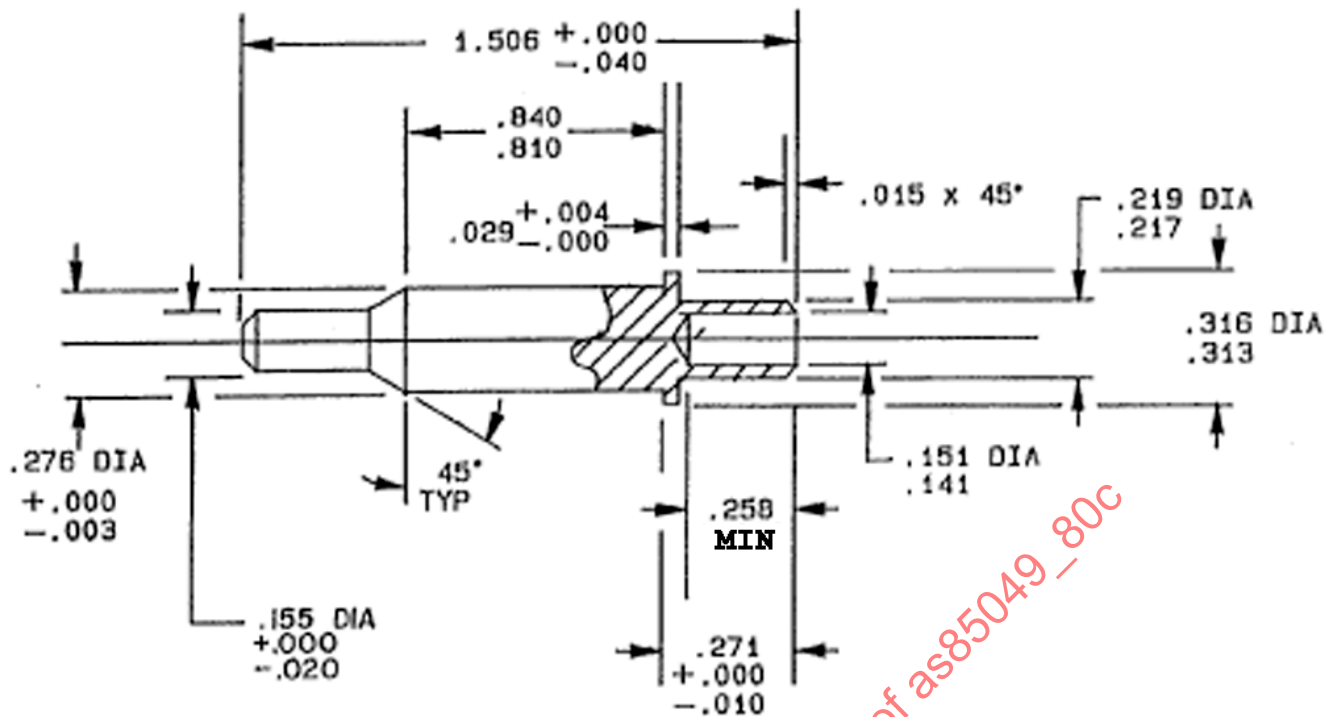
SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL,
DUMMY CONTACT, SIZES 16, 12 AND 8,
CATEGORY 7 (FOR MIL-DTL-38999 CONNECTORS)

SAE AS85049/80
SHEET 1 OF 5

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INCH	mm	INCH	mm
.003	0.08	.217	5.56
.004	0.10	.219	5.56
.010	0.25	.258	4.62
.015	0.38	.271	6.88
.020	0.51	.276	7.01
.029	0.74	.313	7.95
.040	1.02	.316	8.03
.141	3.58	.810	20.57
.151	3.84	.840	21.34
.155	3.94	1.506	38.25

FIGURE 2 - DIMENSIONS AND CONFIGURATION FOR SIZE 8 CONTACTS

COLOR:

- SIZE 16: BLUE, COLOR TO BE IN ACCORDANCE WITH EIA RS359.
- SIZE 12: YELLOW, COLOR TO BE IN ACCORDANCE WITH EIA RS359.
- SIZE 8: GREEN, COLOR TO BE IN ACCORDANCE WITH EIA RS359.

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 DUMMY CONTACT.

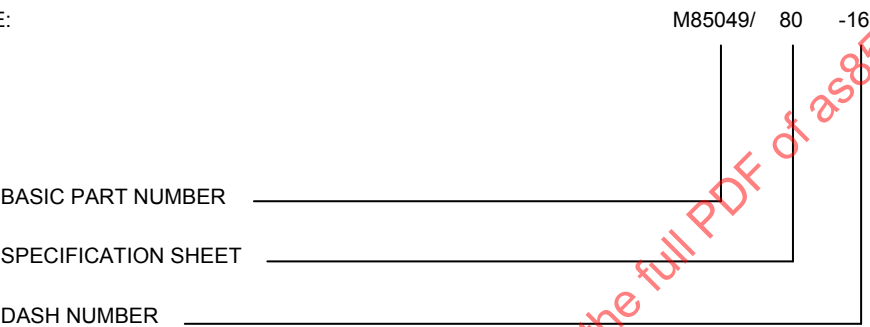
TOOLS:

GAUGE SIZE	INSTALLING TOOLS	REMOVAL TOOLS
SIZE 16	M81969/14-03	M81969/14-03
SIZE 12	M81969/14-04	M81969/14-04
SIZE 8 <u>1/</u>	M81969/14-06	M81969/14-06

1/ SEE APPLICATION NOTE 3 AND FIGURE 4.

PART OR IDENTIFYING NUMBER (PIN): SEE EXAMPLE BELOW:

EXAMPLE:



APPLICATION NOTES:

NOTE 1:

-16 IS FOR USE IN MIL-DTL-38999, SERIES I, III, OR IV CONNECTORS IN SIZE 16 CONTACT CAVITIES, -12 IS FOR USE IN MIL-DTL-38999, SERIES I, III, OR IV CONNECTORS IN SIZE 12 CONTACT CAVITIES, -8 IS FOR USE IN MIL-DTL-38999, SERIES I, III, OR IV CONNECTORS IN SIZE 8 CAVITIES.

NOTE 2:

THE -16, -12 AND -8 DUMMY CONTACTS ARE TO BE USED IN LIEU OF CONTACTS AND SEALING PLUGS IN UNWIRED CONTACT CAVITIES FOR BOTH PIN AND SOCKET INSERTS.

NOTE 3:

THE SIZE 8 DUMMY CONTACT REQUIRES AN ADDITIONAL BOOT FOR THE FOLLOWING INSERT ARRANGEMENT 17-2, 19-18, 21-75, 25-7, 25-8, 25-46, AND 25-90 IN ORDER TO SEAL THE CAVITY. BOOT SUPPLIED BY THE CONNECTOR MANUFACTURER. (SEE FIGURE 4)