

SAE Executive Standards Committee Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

REV.
C

AS85049™/17

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO IMPROVE DRAWINGS, MOVE NOTES TO DESIGN PARAGRAPH TO FOLLOW C1 COMMITTEE STANDARD DOCUMENT FORMAT, REMOVE IMAGES, ADD FINISH TABLE, CLARIFY RESTRICTIONS, DEPICT ANOTHER O-RING ON FRONT FACE OF DRAWING AND INCLUDE IT IN THE O-RING MATERIALS CALLOUT, AND ADD "WASHER – POLYTETRAFLUOROETHYLENE (PTFE)" UNDER MATERIALS.

NOTICE

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

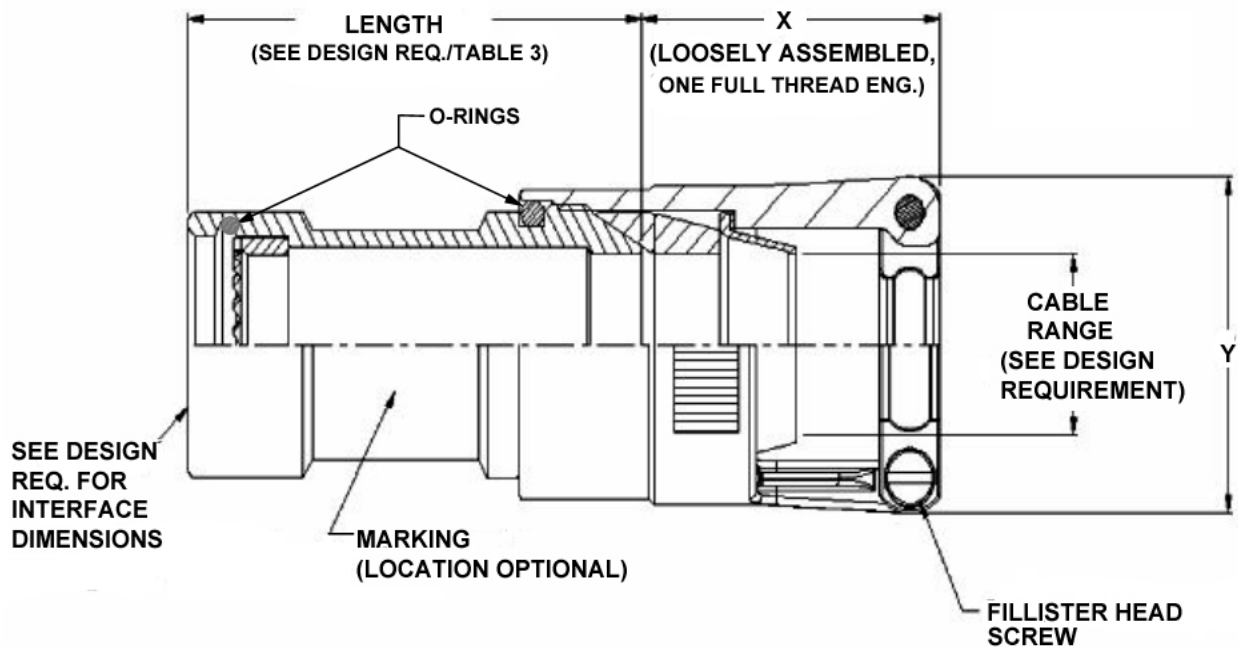
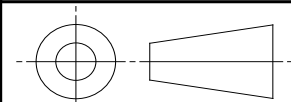


FIGURE 1 - ACCESSORY CONFIGURATIONS AND DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85049/17C>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 2B (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)

AS85049™/17
SHEET 1 OF 4

REV.
C

Copyright © 2021 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

TABLE 1 - ACCESSORY SHELL SIZE, CONNECTOR SHELL SIZE AND CLAMP SIZE

ACCESSORY SHELL SIZE	CONNECTOR SHELL SIZE		MIN. CLAMP SIZE	MAX. CLAMP SIZE
	SERIES II	SERIES I		
08	8	9	01	02
10	10	11	01	03
12	12	13	02	04
14	14	15	02	05
16	16	17	02	06
18	18	19	03	07
20	20	21	03	08
22	22	23	03	09
24	24	25	04	10

TABLE 2 - CLAMP SIZE AND DIMENSIONS

CLAMP SIZE	CABLE RANGE		Y DIM. MAX.	X MAX.
	MIN.	MAX.		
01	.062 (1.57)	.125 (3.18)	.781 (19.84)	1.250 (31.75)
02	.125 (3.18)	.250 (6.35)	.969 (24.61)	
03	.250 (6.35)	.375 (9.53)	1.062 (26.97)	
04	.375 (9.53)	.500 (12.70)	1.156 (29.36)	
05	.500 (12.70)	.625 (15.88)	1.250 (31.75)	1.312 (33.32)
06	.625 (15.88)	.750 (19.05)	1.375 (34.93)	1.375 (34.93)
07	.750 (19.05)	.875 (22.23)	1.500 (38.10)	1.500 (38.10)
08	.875 (22.23)	1.000 (25.40)	1.625 (41.28)	1.625 (41.28)
09	1.000 (25.40)	1.125 (28.58)	1.750 (44.45)	
10	1.125 (28.58)	1.250 (31.75)	1.875 (47.63)	

TABLE 3 - ACCESSORY BODY LENGTH

CODE	LENGTH IN INCHES ± .032 (0.81)
STANDARD	1.50 (38.1)
A	2.50 (63.5)
B	3.50 (88.9)
C	4.50 (114.3)

	AEROSPACE STANDARD	AS85049™/17 SHEET 2 OF 4	REV. C
	(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 2B (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)		



Documents

Document Sharing Hub