

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.
D

AS85049™/55

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO IMPROVE DRAWINGS, MOVE NOTES TO DESIGN PARAGRAPH TO FOLLOW C1 AS STANDARD FORMAT, REMOVE IMAGES, ADD PLASTIC TIE WRAP RESTRICTION TO NOTICE ON 1ST PAGE, CLARIFY RESTRICTIONS, ADD METRIC EQUIVALENTS TO FIGURE 1 AND ADD NOTE TO FIGURE 1 "KNURL (STYLE OPTIONAL).

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049. SEE APPLICATION NOTE 1.

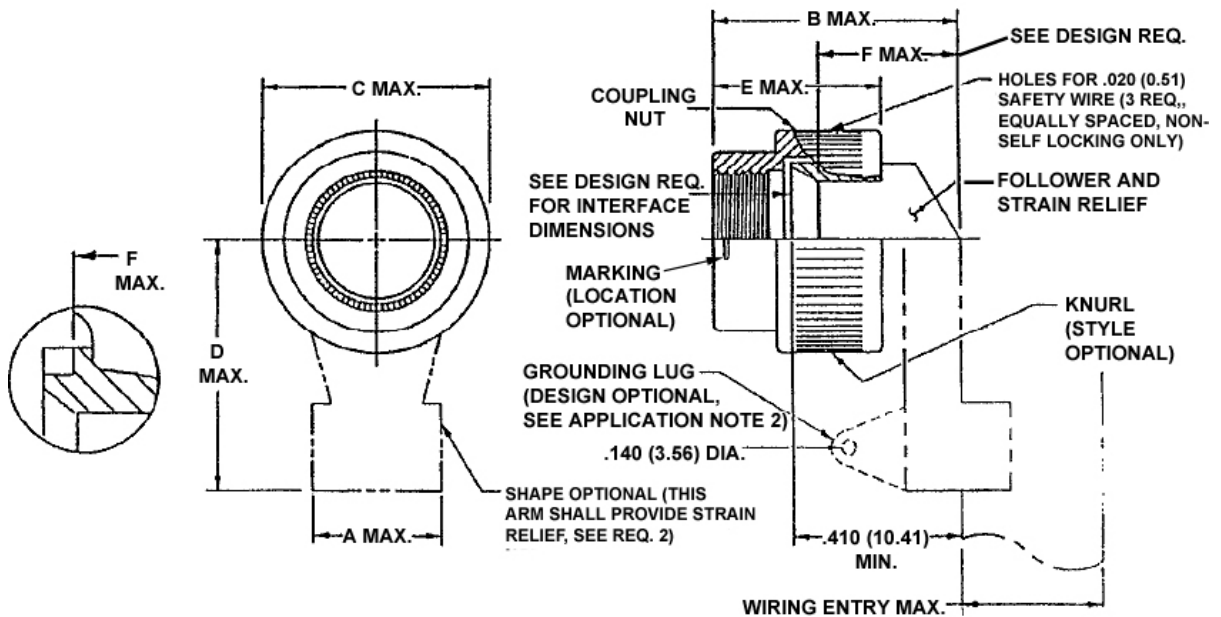
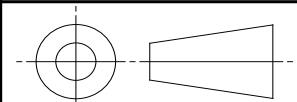


FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS

For more information on this standard, visit

<https://www.sae.org/standards/content/AS85049/55D/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, NON-ENVIRONMENTAL, 90°, SELF-LOCKING AND NON-SELF-LOCKING, CATEGORY 4C (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)

AS85049™/55
SHEET 1 OF 4

REV.
D

Documents

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 – FIGURE 1 DASH NUMBERS AND DIMENSIONS

DASH NUMBER	FOR CONNECTOR SHELL SIZE (REF)				NON-SELF-LOCKING				SELF-LOCKING			
	AS81703 SERIES 3	MIL-DTL- 26482 SERIES 2	AS50151 CRIMP AS95234	MIL-DTL- 83723 SERIES III	B MAX.	C MAX.	E DIA. MAX.	F MAX.	B MAX.	C MAX.	E DIA. MAX.	F MAX.
03	3	--	--	--	.751 (19.08)	.782 (19.86)	.540 (13.72)	.431 (10.95)	1.05 (26.67)	1.010 (25.65)	.710 (18.03)	.73 (18.54)
08	--	8	8S	8	.751 (19.08)	.657 (16.69)	.540 (13.72)	.431 (10.95)	1.05 (26.67)	.885 (22.48)	.710 (18.03)	.73 (18.54)
10	--	10	10S,10SL	10	.751 (19.08)	.782 (19.86)	.540 (13.72)	.431 (10.95)	1.05 (26.67)	1.010 (25.65)	.710 (18.03)	.73 (18.54)
12	7	12	12,12S	12	.751 (19.08)	.937 (23.80)	.540 (13.72)	.431 (10.95)	1.05 (26.67)	1.135 (28.83)	.710 (18.03)	.73 (18.54)
14	12	14	14,14S	14	.751 (19.08)	1.050 (26.67)	.540 (13.72)	.431 (10.95)	1.05 (26.67)	1.260 (32.00)	.710 (18.03)	.73 (18.54)
16	19	16	16,16S	16	.751 (19.08)	1.239 (31.47)	.540 (13.72)	.431 (10.95)	1.05 (26.67)	1.385 (35.18)	.710 (18.03)	.73 (18.54)
18	27	18	18	18	.776 (19.71)	1.378 (35.00)	.540 (13.72)	.456 (11.58)	1.05 (26.67)	1.510 (38.35)	.710 (18.03)	.73 (18.54)
20	37	20	20	20	.776 (19.71)	1.500 (38.10)	.540 (13.72)	.456 (11.58)	1.07 (27.18)	1.635 (41.53)	.710 (18.03)	.75 (19.05)
22	--	22	22	22	.776 (19.71)	1.631 (41.43)	.540 (13.72)	.456 (11.58)	1.07 (27.18)	1.760 (44.70)	.710 (18.03)	.75 (19.05)
24	--	24	24	24	.776 (19.71)	1.750 (44.45)	.540 (13.72)	.456 (11.58)	1.07 (27.18)	1.885 (47.88)	.710 (18.03)	.75 (19.05)
28	--	--	28	--	.938 (23.83)	1.970 (50.04)	.702 (17.83)	.448 (11.38)	1.24 (31.50)	2.135 (54.23)	.890 (22.61)	.75 (19.05)

TABLE 1 - FIGURE 1 DASH NUMBERS AND DIMENSIONS (CONTINUED)

DASH NUMBER	A MAX	D MAX	WIRING ENTRY MAX
03	.500 (12.70)	1.29 (32.77)	.260 (6.60)
08	.463 (11.76)	1.22 (30.99)	.260 (6.60)
10	.551 (14.00)	1.29 (32.77)	.365 (9.27)
12	.644 (16.36)	1.62 (41.15)	.501 (12.73)
14	.738 (18.75)	1.66 (42.16)	.575 (14.61)
16	.834 (21.18)	1.72 (43.69)	.700 (17.78)
18	.914 (23.22)	1.72 (43.69)	.779 (19.79)
20	1.00 (25.40)	1.79 (45.47)	.904 (22.96)
22	1.10 (27.94)	1.85 (46.99)	1.029 (26.14)
24	1.20 (30.48)	1.91 (48.51)	1.144 (29.06)
28	1.48 (37.59)	2.06 (52.32)	1.379 (35.03)

	AEROSPACE STANDARD	AS85049™/55 SHEET 2 OF 4 	REV. 1
	(R) CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, NON-ENVIRONMENTAL, 90°, SELF-LOCKING AND NON-SELF-LOCKING, CATEGORY 4C (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)		

