

SAE Technical Standards Board 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™/14

RATIONALE

LIMITED SCOPE REVISION IS REQUIRED TO CLARIFY THE SAFETY WIRE HOLE REQUIREMENTS IN FIGURE 1 FOR THE NON-SELF LOCKING COUPLING NUT CONFIGURATION AND TO CORRECT THE METRIC EQUIVALENT FOR DIMENSION A, SHELL SIZE 13 IN TABLE 1.

NOTICE

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

FEDERAL SUPPLY CLASS
5935

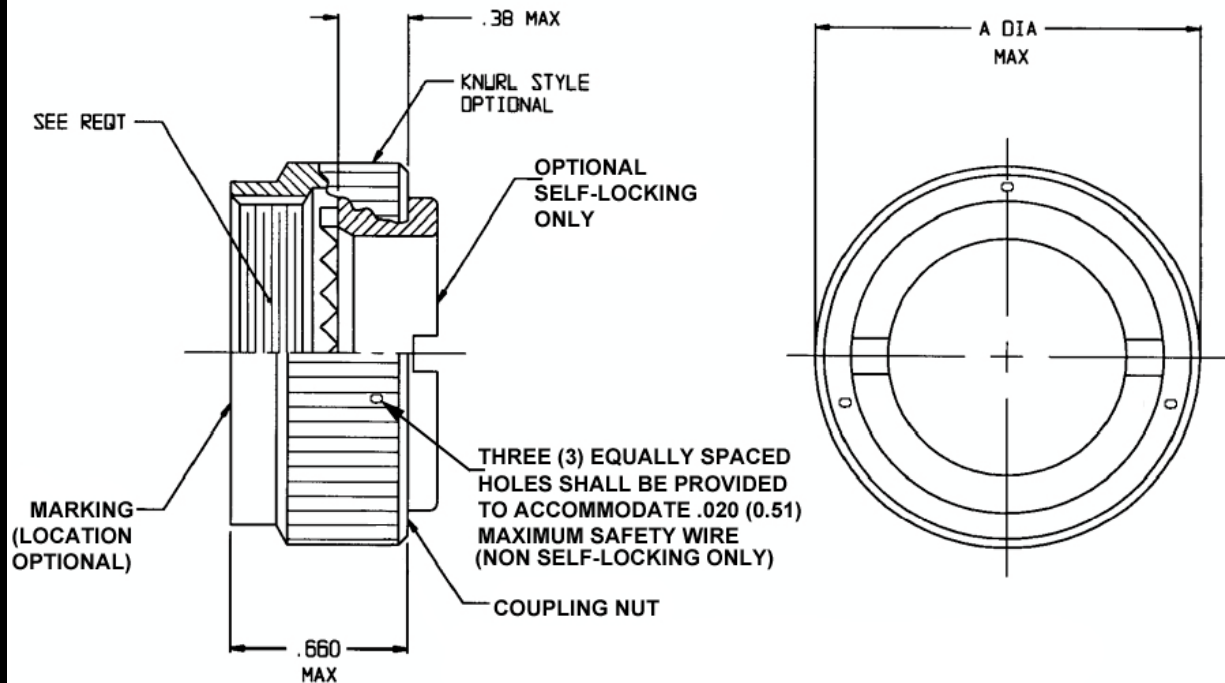


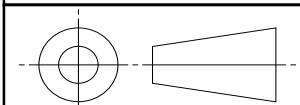
FIGURE 1 - DIMENSIONS AND CONFIGURATIONS NON SELF-LOCKING AND SELF-LOCKING

TABLE 1 - CONNECTOR SHELL SIZE AND DIMENSIONS

CONNECTOR SHELL SIZE	SHELL SIZE CODE (REF)	A MAX DIA
9	A	.858 (21.8)
11	B	.984 (25.0)
13	C	1.157 (29.39)
15	D	1.279 (32.49)
17	E	1.406 (35.71)
19	F	1.516 (38.50)
21	G	1.642 (41.71)
23	H	1.768 (44.91)
25	J	1.889 (47.98)

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS85049/14C>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, STRAIGHT, NON-SELF-LOCKING AND SELF-LOCKING, CATEGORY 3B (FOR MIL-DTL-38999 SERIES III AND IV CONNECTORS)

AS85049™/14
SHEET 1 OF 3

REV.
C

Documents

Copyright © 2019 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>

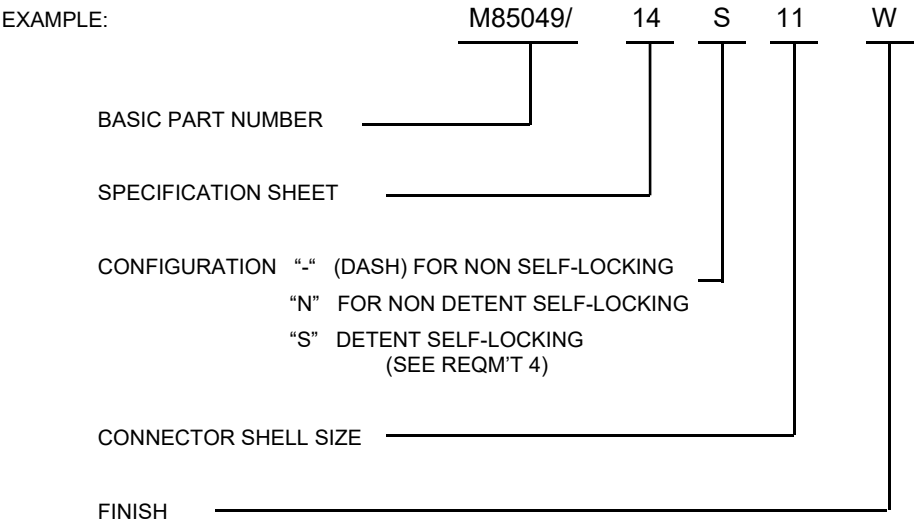
NOTES:

- 1. DIMENSIONS ARE IN INCHES.
- 2. DIMENSIONS APPLY AFTER PLATING.
- 3. METRIC EQUIVALENTS ARE IN PARENTHESIS AND ARE GIVEN FOR GENERAL INFORMATION ONLY.

REQUIREMENTS:

- 1. DESIGN AND CONSTRUCTION:
DIMENSIONS AND CONFIGURATIONS: SEE FIGURE 1 AND TABLE 1.
- 2. INTERFACE DIMENSIONS: IN ACCORDANCE WITH AS85049, FIGURE 3.
- 3. ACCESSORY: CONSISTS OF A COUPLING NUT AND FOLLOWER. THE COUPLING NUT SHALL BE CAPTIVATED TO THE FOLLOWER AND ROTATABLE.
- 4. DETENTED SELF-LOCKING PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING. OPTION "N" IS A FREE SPINNING SELF-LOCKING COUPLING.
- 5. MATERIAL: ALUMINUM ALLOY IN ACCORDANCE WITH AS85049.
- 6. FINISH:
 - 1 N ELECTROLESS NICKEL
 - 2 W CADMIUM, OLIVE DRAB
 - X NICKEL FLUOROCARBON POLYMER
 - Y PURE DENSE ELECTRODEPOSITED ALUMINUM
 - 2 Z ZINC NICKEL
 - 1 N FINISH NOT FOR NAVY USE, RESTRICTED TO AIR FORCE SPACE APPLICATIONS ONLY.
 - 2 W AND Z FINISH ARE NOT FOR USE IN SPACE APPLICATIONS. ALSO SEE SPECIFICATION NOTES.

PART OR IDENTIFYING NUMBER (PIN):



QUALIFICATION: REFER TO AS85049, CATEGORY 3B. BENDING MOMENT AND CABLE PULLOUT NOT APPLICABLE.

	AEROSPACE STANDARD	AS85049™/14 SHEET 2 OF 3	REV. C
	CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, STRAIGHT, NON-SELF-LOCKING AND SELF-LOCKING, CATEGORY 3B (FOR MIL-DTL-38999 SERIES III AND IV CONNECTORS)		



Documents

Document Sharing Hub