

INCH-POUND

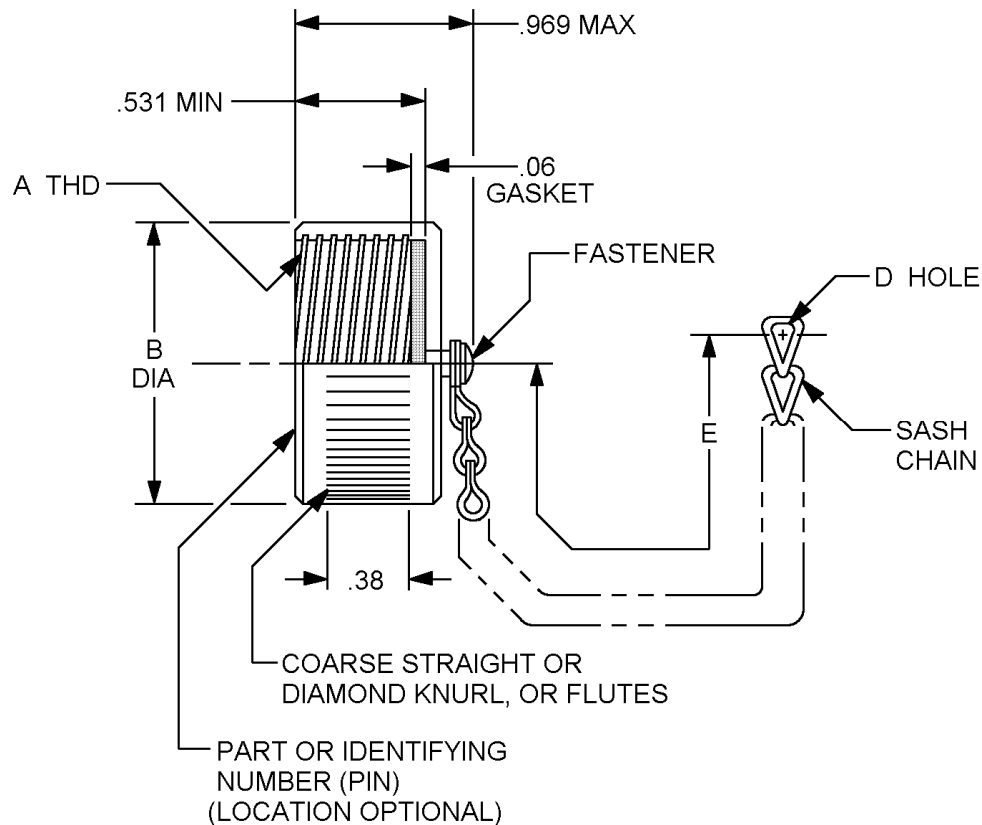
MS90563F  
 26 October 2005  
 SUPERSEDING  
 MS90563E  
 25 March 1977

## DETAIL SPECIFICATION SHEET

## COVER, ELECTRICAL CONNECTOR, RECEPTACLE, CLASS L

This specification is approved for use by all Departments  
 and Agencies of the Department of Defense

The requirements for acquiring the product described herein  
 shall consist of this specification sheet and MIL-DTL-22992.

FIGURE 1. Dimensions and configuration.

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Inches	mm
0.06	1.524
0.38	9.652
0.531	13.487
0.969	24.612

MS PIN	Shell size	A thread DS-2B	B dia max	D dia. hole (see note 5)		E
				For receptacle  MS90555	For plug without coupling ring MS90557	
MS90563 –1 ( )	28	2.000-.1428P-.2857L	2.219 (56.36)	.190 (4.826)	.190 (4.826)	6.000 (152.40)
- 3 ( )	32	2.250-.1428P-.2857L	2.469 (62.71)			4.500 (114.30)
- 4 ( )						6.000 (152.40)
-7 ( )	44	3.000-.1428P-.2867L	3.219 (81.16)	.265 (6.731)	.265 (6.731)	7.500 (190.50)
-9 ( )	46	3.250-.1420P-.2857L	3.469 (18.11)			7.500 (190.50)
-11 ( )	52	3.500-.1428P-.2857L	3.750 (95.25)			7.500 (190.50)

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Metric equivalents are in parentheses.
4. Unless otherwise specified, tolerances are + .010 (.25 mm) for three place decimals and ± .02 (.51mm) for two place decimals.
5. D clearance to accommodate screw size indicated. Clearance hole may be rounded and enlarged by the use of a drift pin.

FIGURE 1. Dimensions and configuration - Continued.

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## REQUIREMENTS:

Design and construction, see figure 1.

Chain shall be passivated stainless steel in accordance with type II, class 3, trade number 8 of RR-C-271 for -1, -3 and -4, and type II, class 3, trade number 35 of RR-C-271 for -7, -9 and -11.

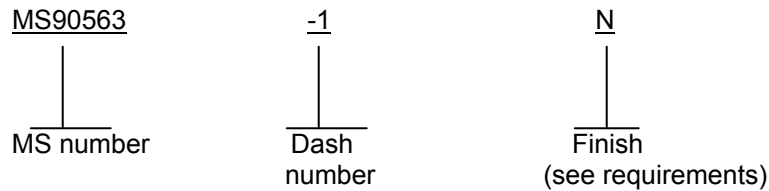
Chain shall move freely on protective cap after assembly.

Chain shall be within one link of length specified.

Cover finish shall be designated by the letter C (conductive) or N (nonconductive).

Optional design chain: Chain may be reversed and a larger link provided as a reverse link to provide the necessary D clearance hole.

## PIN example:



## Supersession data:

MS PIN MS90563-3 is superseded by MS PIN MS90563-3C.

MS PIN MS90563-4 is superseded by MS PIN MS90563-4C.

## Qualification:

Visual and mechanical examination.

Humidity.

Durability.

Salt spray (corrosion).

Tensile.

Water immersion.

Group A sampling inspection. 100% inspection is not applicable, sampling inspection shall be in accordance with table I:

TABLE I. Group A sampling plan.

Lot size	Sampling size
1 to 13	100 percent
14 to 150	13 units
151 to 280	20 units
281 to 500	29 units
501 to 1,200	34 units
1,201 to 3,200	42 units

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Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-22992, this document references the following:

RR-C-271  
MS90555  
MS90557

#### CONCLUDING MATERIAL

Custodians:

Army – CR  
Navy – EC  
Air Force – 11  
DLA – CC

Preparing activity:

DLA – CC

Review activities:

Army – AT, AV, CR4, MI  
Navy – AS, CG, MC, OS  
Air Force – 19, 99

(Project 5935–4719–014)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.