

INCH-POUND

MS90563H
21 November 2012
SUPERSEDING
MS90563G
7 March 2007

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.

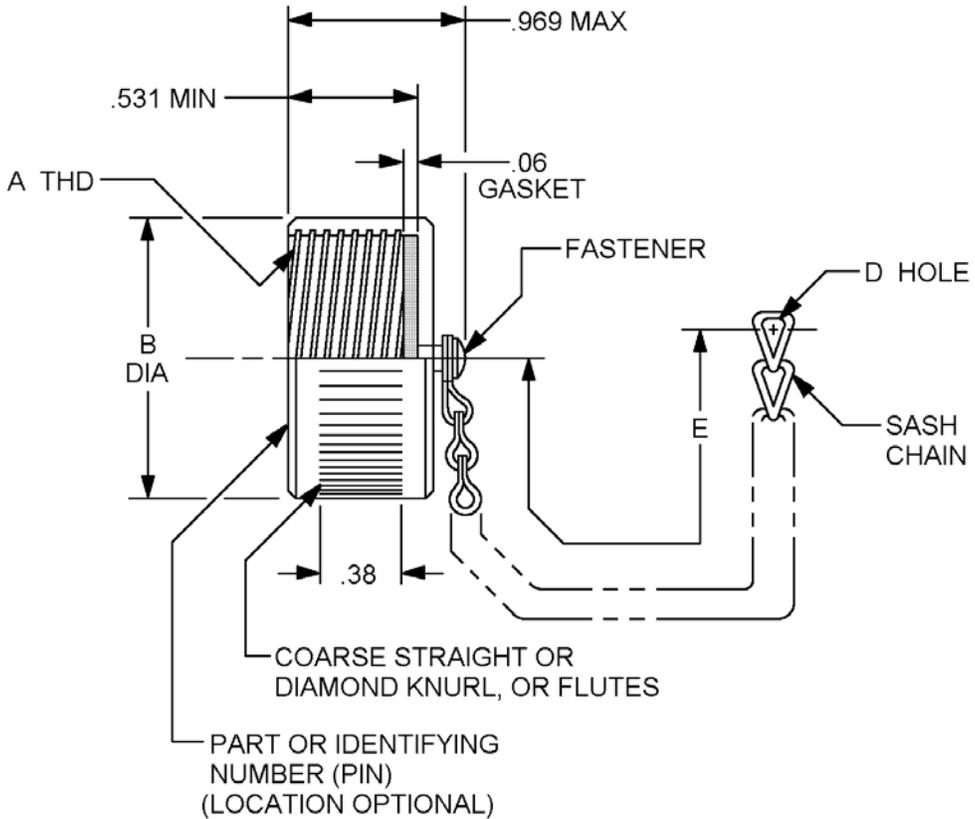


FIGURE 1. Dimensions and configuration.

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Inches	mm
.06	1.524
.38	9.652
.531	13.487
.969	24.612

MS PIN	Shell size	A thread DS-2B	B dia max	D dia hole (see note 4)		E chain length
				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)
MS90563-3()	32	2.250-.1428P-.2857L	2.469 (62.71)			4.500 (114.30)
MS90563-4()						6.000 (152.40)
MS90563-7()	44	3.000- .1428P-.2867L	3.219 (81.76)	.265 (6.731)	.265 (6.731)	7.500 (190.50)
MS90563-9()	46	3.250-.1420P-.2857L	3.469 (18.11)			7.500 (190.50)
MS90563-11()	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. Unless otherwise specified, tolerances are + .010 (0.25 mm) for three place decimals and ± .02 (0.51 mm) for two place decimals.
4. 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 as specified in RR-C-271 for -1, -3 and -4, and type II, class 3, trade number 35 as specified in RR-C-271 for -7, -9 and -11.

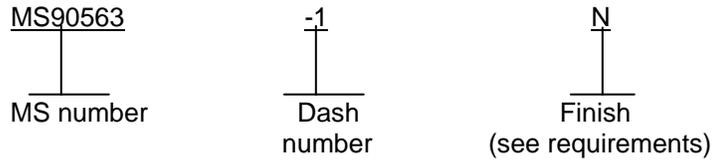
Chain shall move freely on protective cap after assembly.

Chain shall be within one link of length specified.

Cover finish: See MIL-DTL-22992.

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

Part or Identifying Number (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.

Magnetic permeability.

Water immersion.

Salt spray (corrosion).

Tensile.

Air leakage.

Group A sampling plan. Lot and sample sizes shall be specified in table I. Samples shall be randomly selected from the lot. If one or more defects are found, the lot shall be rescreened and defects removed. A new sample as specified in table I shall then be randomly selected. If one or more defects are found in the second sample lot, the lot shall not be supplied to this specification.

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:

MS90555
MS90557
RR-C-271

CONCLUDING MATERIAL

Custodians:

Army – CR
Navy – EC
Air Force – 85
DLA – CC

Preparing activity:

DLA – CC

Review activities:

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

(Project 5935–2012–193)

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 <https://assist.dla.mil>.