INCH-POUND

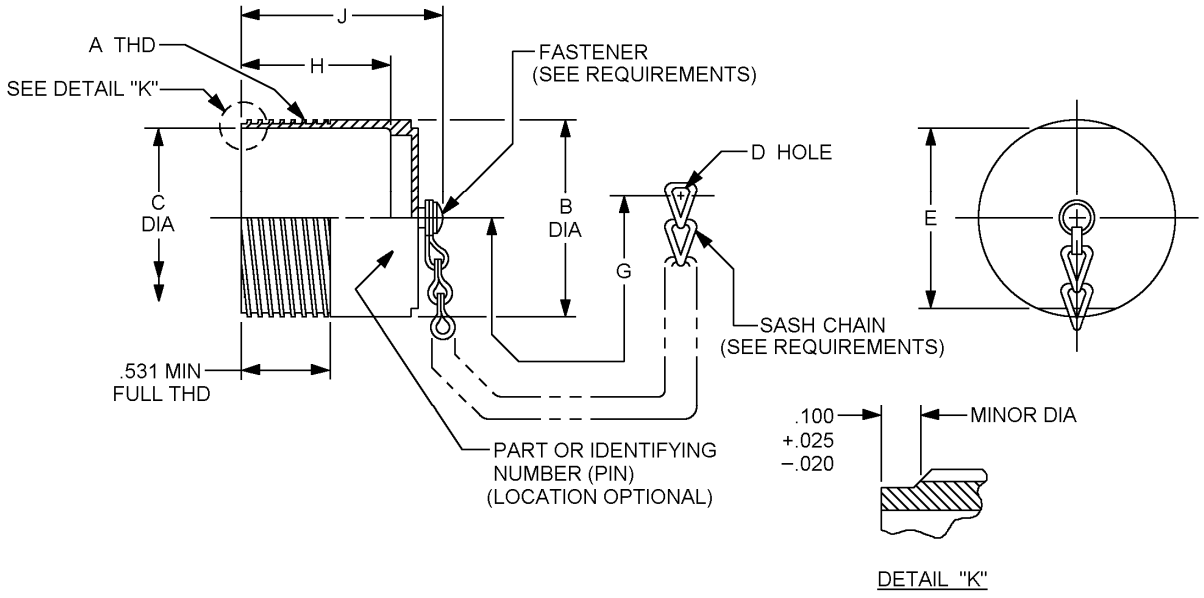
MS90564G
7 March 2007
SUPERSEDING
MS90564F
26 October 2005

# DETAIL SPECIFICATION SHEET

## COVER, ELECTRICAL, CONNECTOR, PLUG, 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.




| Inches | mm |
|---|---|
| .020 | 1.524 |
| .025 | 9.652 |
| .100 | 2.54 |
| .531 | 13.487 |

FIGURE 1. Dimensions and configuration.

| MS PIN | Shell size | A Thread DS-2A | B dia max | C dia min |
|---|---|---|---|---|
| MS90564-1( ) | 28 | 2.000-.1428P-2857L | 2.000 (50.80) | 1.692 (42.98) |
| MS90564-3 ( ) | 32 | 2.250-.1428P-.2857L | 2.250 (57.15) | 1.942 (49.33) |
| MS90564-4 ( ) | | | | |
| MS90564-7 ( ) | 44 | 3.000-.1428P-.2857L | 3.000 (76.20) | 2.692 (68.38) |
| MS90564-9 ( ) | 48 | 3.250-.1428P-.2857L | 3.250 (82.55) | 29.11 (73.94) |
| MS90564-11 ( ) | 52 | 3.500-.1428P-.2857L | 3.500 (88.90) | 3.161 (80.29) |

| MS PIN | Shell size | D Dia. Hole See note 4 | | E Across flats | G | H min | J max |
|---|---|---|---|---|---|---|---|
| | | For receptacle with coupling ring MS90558 | For plug with coupling ring MS90556 | | | | |
| MS90564-1 ( ) | 28 | .164 (4.166) | .164 (4.166) | 1.750 (44.45) | 7.500 (190.50) | 1.562 (39.67) | 2.266 (57.56) |
| MS90564-3 ( ) | 32 | .190 (4.826) | | 2.000 (50.80) | 6.000 (152.40) | 1.562 (39.67) | 2.266 (57.56) |
| MS90564-4 ( ) | | | .164 (4.166) | | 7.500 (190.50) | | |
| MS90564-7 ( ) | 44 | .250 (6.350) | .250 (6.350) | 2.750 (69.85) | 8.500 (215.90) | 1.781 (45.24) | 2.484 (63.09) |
| MS90564-9 ( ) | 48 | .250 (6.350) | .250 (6.350) | 3.000 (76.20) | 8.500 (215.90) | 1.781 (45.24) | 2.484 (63.09) |
| MS90564-11 ( ) | 52 | .250 (6.350) | .250 (6.350) | 3.250 (83.55) | 8.500 (215.90) | 1.781 (45.24) | 2.484 (63.09) |

FIGURE 1. Dimensions and configuration - Continued.

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are +.010 (.25 mm) for three place decimals and ±.02 (.51mm) 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.

REQUIREMENTS:

Design and construction: See figure 1.
Chain shall move freely on protective cap after assembly.
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 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:

| MS90564 | -1 | N |
|---|---|---|
| MS number | Dash number | Finish (see requirements) |

Supersession data:
MS PIN MS90564-3 is superseded by MS PIN MS90564-3C.
MS PIN MS90564-4 is superseded by MS PIN MS90564-4C.

Qualification:

Visual and mechanical examination.
Water immersion.
Salt spray (corrosion).
Tensile.
Air leakage.

Group A sampling inspection. 100% inspection is not applicable, sampling inspection shall be specified in 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 |

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:

MS90556
MS90558
RR-C-271

CONCLUDING MATERIAL

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

Preparing activity:
DLA – CC

Review activities:
Army – AT, AV, MI
Navy – AS, CG, MC, OS
Air Force – 19, 99

(Project 5935–2006-225)

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.