

METRIC

MIL-DTL-38999/27C
w/AMENDMENT 1
5 August 2016
SUPERSEDING
MIL-DTL-38999/27C
10 July 2008

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, THREADED, RECEPTACLE,
WELD MOUNTING, HERMETIC, HERMETIC SOLDER CONTACTS,
SERIES III, METRIC

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-38999.

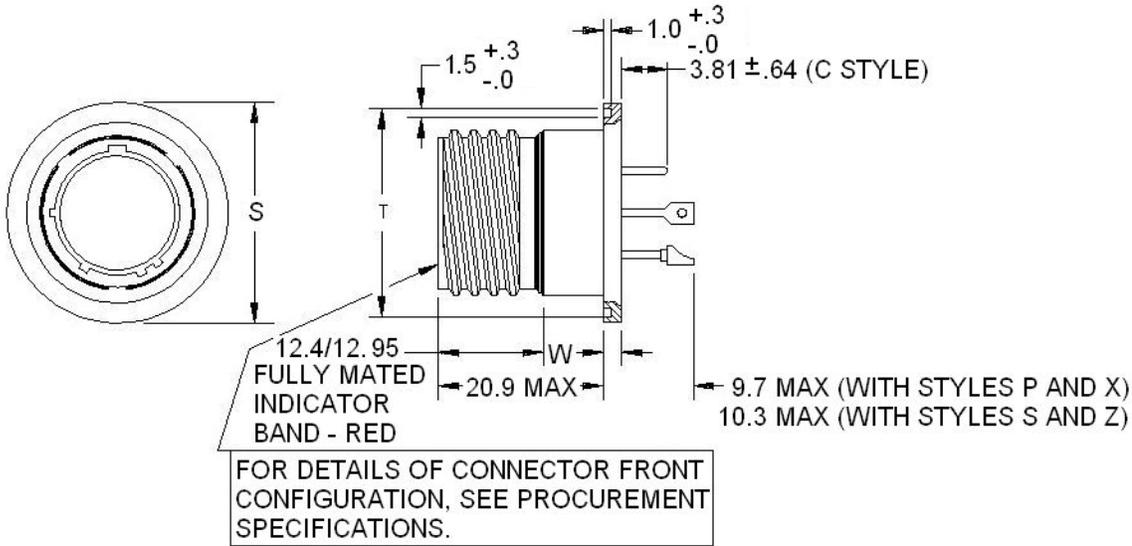


FIGURE 1. Receptacle, classes N and Y.



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Shell size	Shell size code	S + .3 - .0	T + .0 - .3	W ± .2
9	A	24.7 (.972)	23.9 (.941)	3.2 (.126)
11	B	27.8 (1.094)	27.0 (1.063)	3.2 (.126)
13	C	31.0 (1.220)	30.2 (1.189)	3.2 (.126)
15	D	34.2 (1.346)	33.4 (1.315)	3.2 (.126)
17	E	36.4 (1.433)	35.6 (1.402)	3.2 (.126)
19	F	40.1 (1.579)	39.3 (1.547)	3.2 (.126)
21	G	43.7 (1.720)	42.9 (1.689)	3.2 (.126)
23	H	47.9 (1.886)	47.1 (1.854)	4.0 (.157)
25	J	50.1 (1.972)	49.3 (1.941)	4.0 (.157)

NOTES:

1. Dimensions are in millimeters.
2. Inch equivalents are given for information only.
3. The specified red band location is measured from the front edge of the shell to the back edge of the red band.

FIGURE 1. Receptacle, classes N and Y - Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1. Interface dimensions shall conform to MIL-DTL-38999.

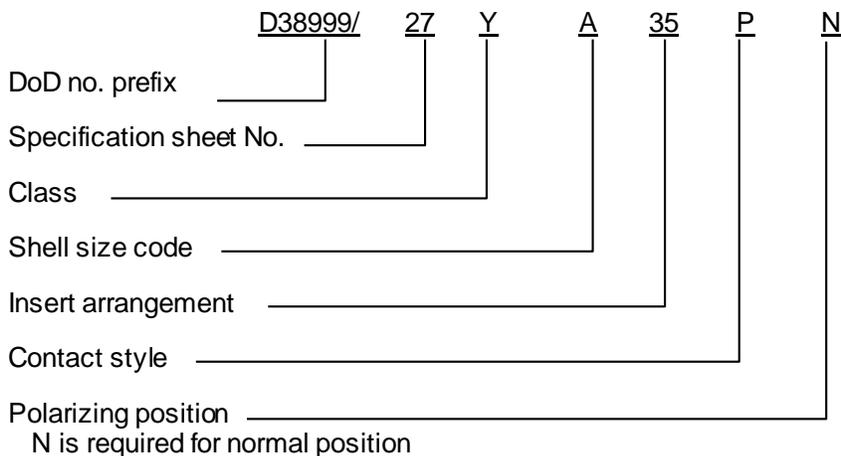
This connector mates with MIL-DTL-38999/26.

For insert arrangements: See MIL-STD-1560.

Connector accessories: See SAE-AS85049.

Eyelet contact termination: See MIL-DTL-38999.

Part or Identifying Number (PIN) example:



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Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Referenced documents. In addition to MIL-DTL-38999, this document references the following:

MIL-DTL-38999/26
MIL-STD-1560
SAE-AS85049

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - AS
Air Force - 85
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-2016-159)

Review activities:

Army - AR, MI
Navy - EC, MC, OS
Air Force - 19, 99
DLA - IS

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>.