

METRIC

MIL-DTL-83538/7C
7 January 2015
SUPERSEDING
MIL-DTL-83538/7B
02 June 2008

DETAIL SPECIFICATION SHEET

CONNECTORS AND ACCESSORIES, ELECTRICAL, CIRCULAR,
UMBILICAL, COVER, PROTECTIVE, STORE RECEPTACLE FOR MIL-
STD-1760 APPLICATIONS (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-83538.

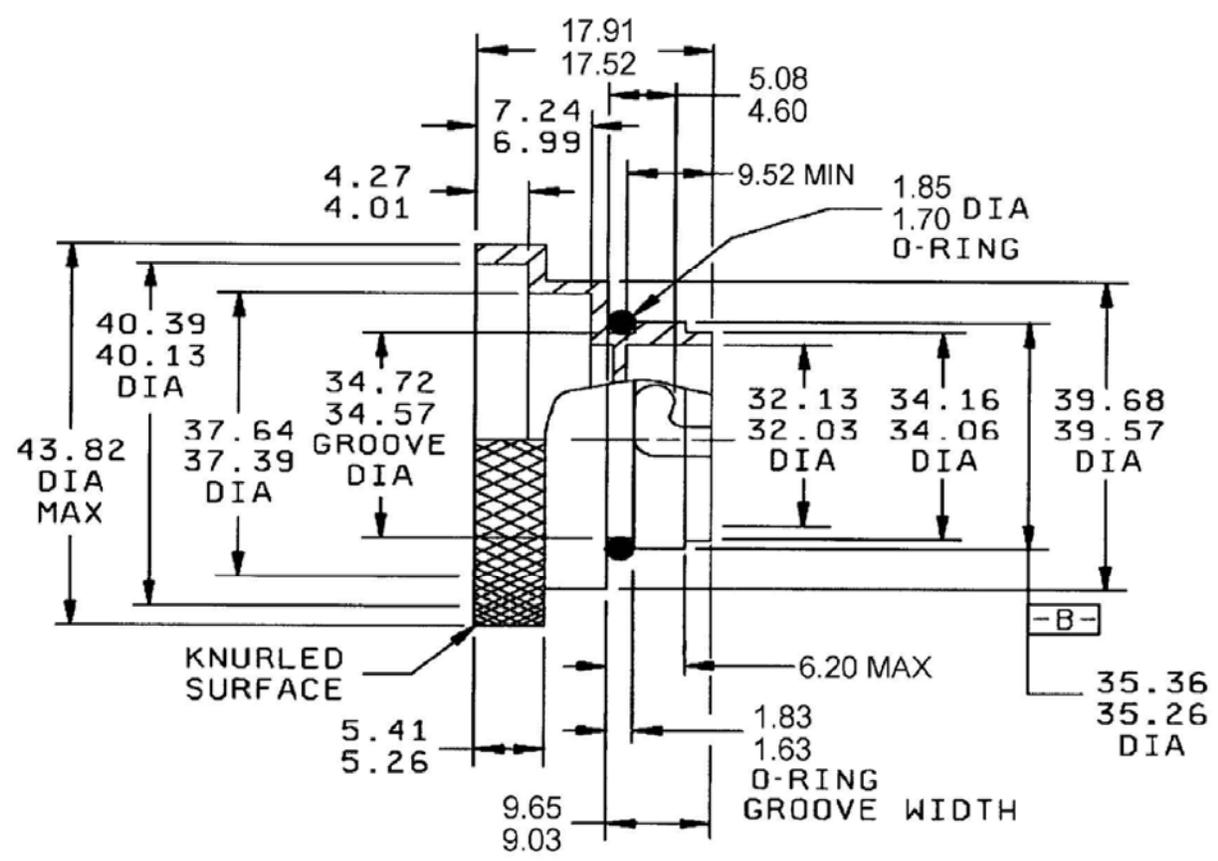


FIGURE 1. Protective store cover receptacle.



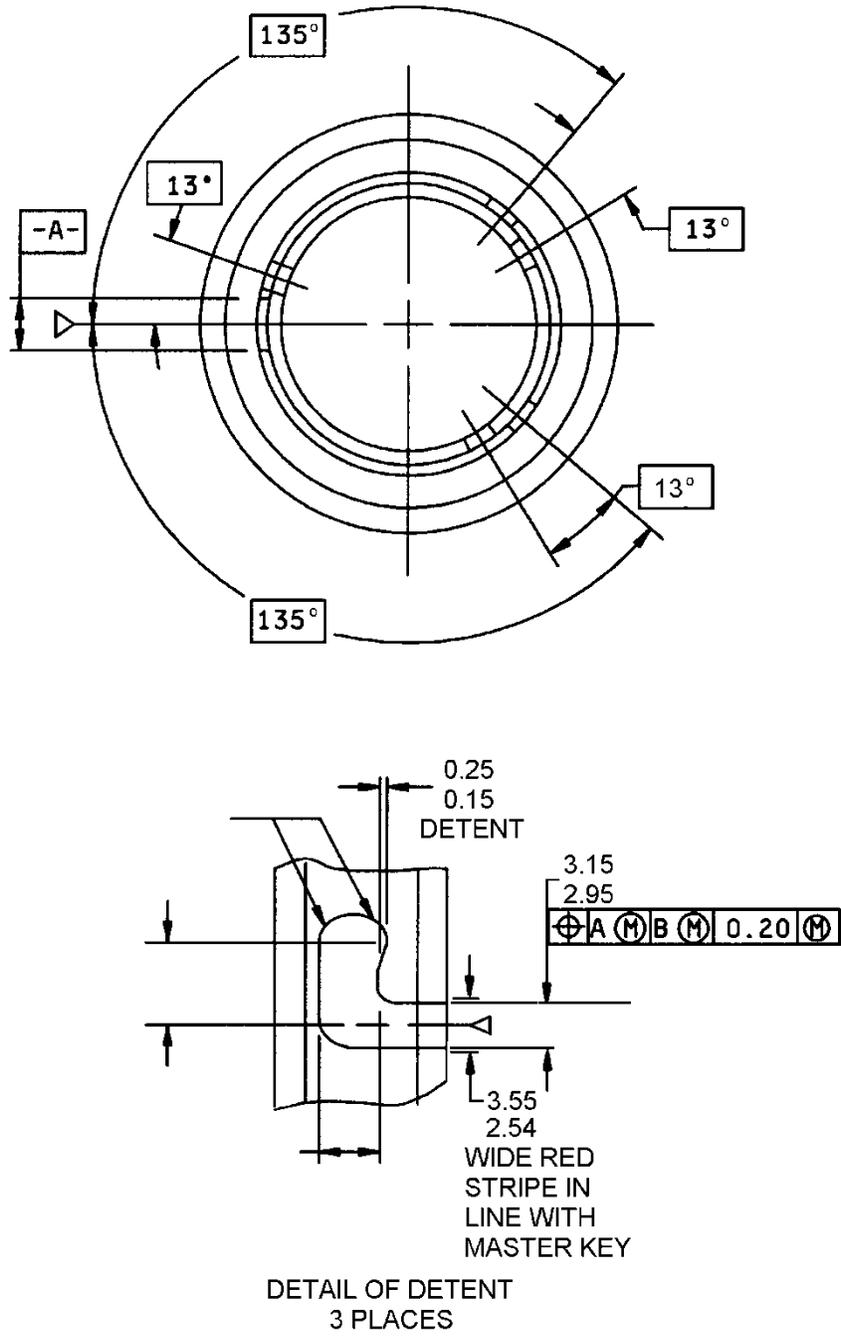


FIGURE 1. Protective store cover receptacle - Continued.

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mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches
0.15	.006	2.67	.105	4.60	.181	9.93	.391	35.26	1.388
0.20	.008	2.94	.116	4.85	.191	10.03	.395	35.36	1.392
0.25	.010	2.95	.116	5.11	.201	17.65	.695	37.39	1.472
1.35	.053	3.05	.120	5.21	.205	17.91	.705	37.64	1.482
1.45	.057	3.15	.124	5.26	.207	32.03	1.261	39.57	1.558
1.63	.064	3.55	.140	5.41	.213	32.13	1.265	39.68	1.562
1.70	.067	3.81	.150	6.99	.275	34.06	1.341	40.13	1.580
1.73	.068	3.96	.156	7.24	.285	34.16	1.345	40.39	1.590
1.85	.073	4.01	.158	9.65	.380	34.57	1.361	43.82	1.725
2.54	.100	4.27	.168	9.91	.390	34.72	1.367		

NOTES:

1. Dimensions are in millimeters.
2. Inch equivalents are for information only.

FIGURE 1. Protective store cover receptacle - Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1.
 This protective cover mates with MIL-DTL-83538/1.
 Part or Identifying Number (PIN) example: M83538/7-1.

QUALIFICATION: Protective covers shall be in accordance with the qualification requirements of MIL-DTL-83538. The following details and exceptions shall apply:

Group A: Visual and mechanical examination (100% inspection).

Group B: Not applicable.

Qualification and group C: Two MIL-DTL-83538/7 protective covers with mating connectors shall be required for stand alone qualification. However, if a manufacturer is in the process of qualifying MIL-DTL-83538/1 concurrently with MIL-DTL-83538/7, then one protective cover and mating connector shall be required.

Manufacturers that are qualifying this protective cover as a stand alone accessory shall conduct the following sequence of tests:

- Visual and mechanical examination
- Salt spray
- Humidity
- Sand and dust
- Coupling torque
- Post test examination.

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Manufacturers that are qualifying the MIL-DTL-83538/1 concurrently with the MIL-DTL-83538/7, shall conduct the following sequence of tests:

Visual and mechanical examination
Salt spray
Coupling torque
Post test examination.

All testing shall be in accordance with MIL-DTL-83538.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. 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 and relationship to the last previous issue.

Referenced documents. In addition to MIL-DTL-83538, this document references the following:

MIL-DTL-83538/1

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

Review activities:

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

(Project 5935–2014-115)

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>.