



**DEFENSE LOGISTICS AGENCY**  
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IN REPLY  
REFER TO

DSCC-VAI

June 17, 2004

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Draft of Military Standards MS24285 through MS24288 and MS24695 through MS24700, Connector, Rack and Panel, Miniature, project numbers 5935-4695 through 4703.

The initial drafts for these subject documents, dated 14 June 2004, are now available for viewing and downloading from the DSCC-VA Web site:

<http://www.dscccols.com/Programs/MilSpec>

or

<http://www.dscc.dla.mil/Programs/MilSpec/DocSearch.asp>

Major changes to these documents include: formatting documents into slash sheet format, drawings on documents have been redrawn to be more legible, and cancelled military references have been changed to the industry equivalents.

Concurrence or comments are required at this Center within 45 days from the date of this letter. Late comments will be held for the next coordination of the document. Comments from military departments must be identified as either "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians of this office, as applicable, in sufficient time to allow for consolidating the department reply.

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NOTE: This initial draft, dated 14 June 2004 prepared by DLA-CC, has not been approved and is subject to modification. DO NOT USE PRIOR TO APPROVAL. (PROJECT NUMBER 5935-4700)

INCH-POUND

MS24287D  
 DRAFT  
 SUPERSEDING  
 MS24287C  
 15 June 1965

DETAIL SPECIFICATION SHEET

MATED ASSEMBLY, CONNECTOR  
 RACK AND PANEL, MINIATURE

Inactive for new design after 8 June 1999.

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-26518.

The Qualified Products List (QPL) associated with this inactive for new design specification will be maintained until acquisition of the product is no longer required, where upon the specification and QPL will be canceled.

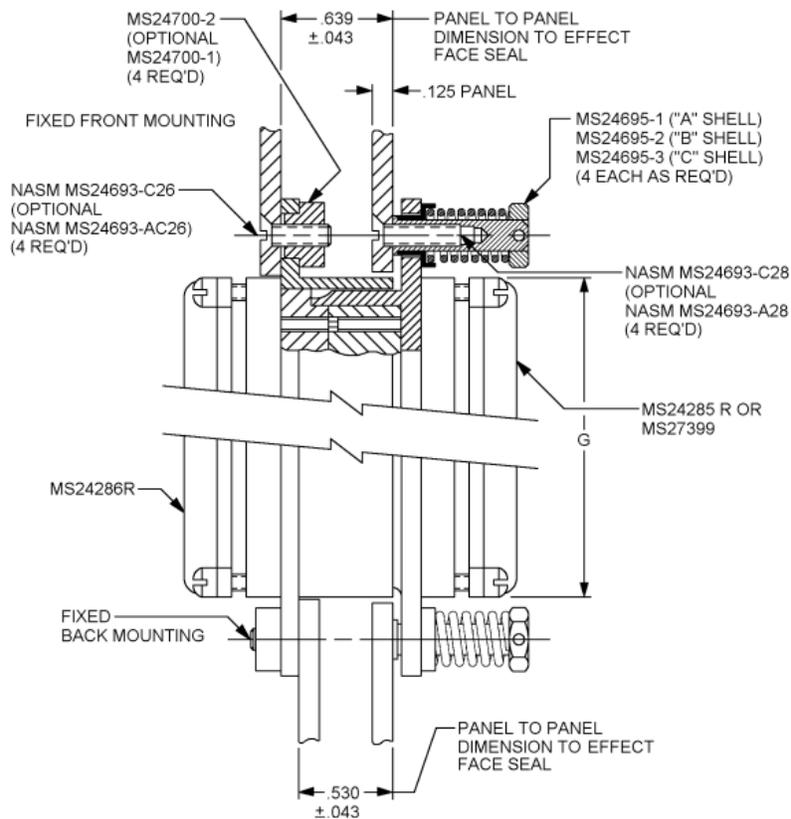
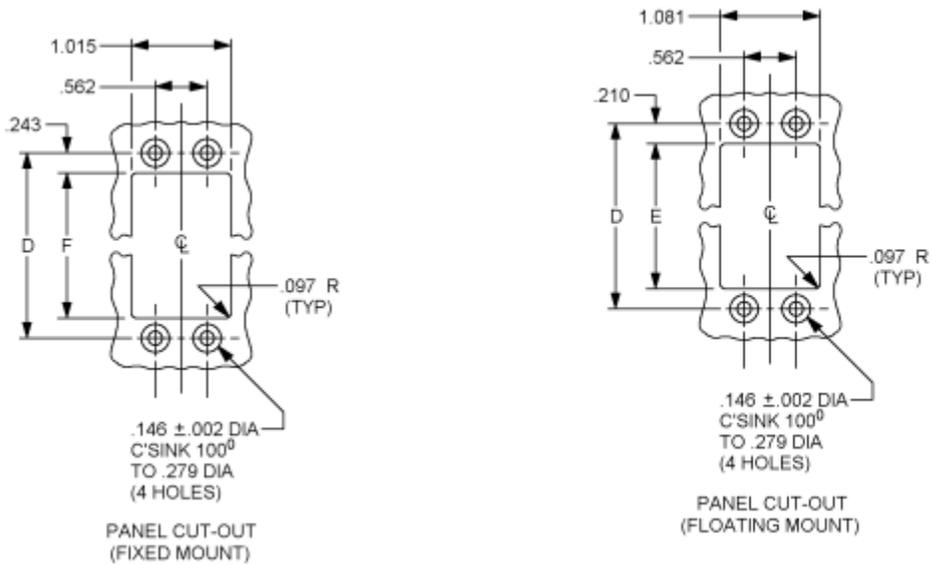


FIGURE 1. Connector mating and mounting details.

MS24287D



| Dimension | Shell size |       |       |
|-----------|------------|-------|-------|
|           | A          | B     | C     |
| D         | 3.875      | 2.445 | 2.000 |
| E         | 3.454      | 2.025 | 1.580 |
| F         | 3.388      | 1.959 | 1.528 |
| G         | 3.375      | 1.945 | 1.516 |

| Inches | mm    | Inches | mm    |
|--------|-------|--------|-------|
| .002   | 0.05  | 1.081  | 27.46 |
| .043   | 1.09  | 1.516  | 38.51 |
| .097   | 2.46  | 1.528  | 38.81 |
| .125   | 3.18  | 1.580  | 40.13 |
| .146   | 3.71  | 1.945  | 49.40 |
| .210   | 5.33  | 1.959  | 49.53 |
| .243   | 6.17  | 2.000  | 50.80 |
| .530   | 13.46 | 2.025  | 51.44 |
| .562   | 14.27 | 3.375  | 85.73 |
| .639   | 17.60 | 3.388  | 86.06 |
| 1.015  | 25.78 | 3.454  | 87.73 |
|        |       | 3.875  | 98.43 |

Mating and mounting details of MS24285R, MS24286R, and MS27399 connectors for service or test.

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances are  $\pm .005$  inch (0.13 mm).

FIGURE 1. Connector mating and mounting details - Continued.

# MS24287D

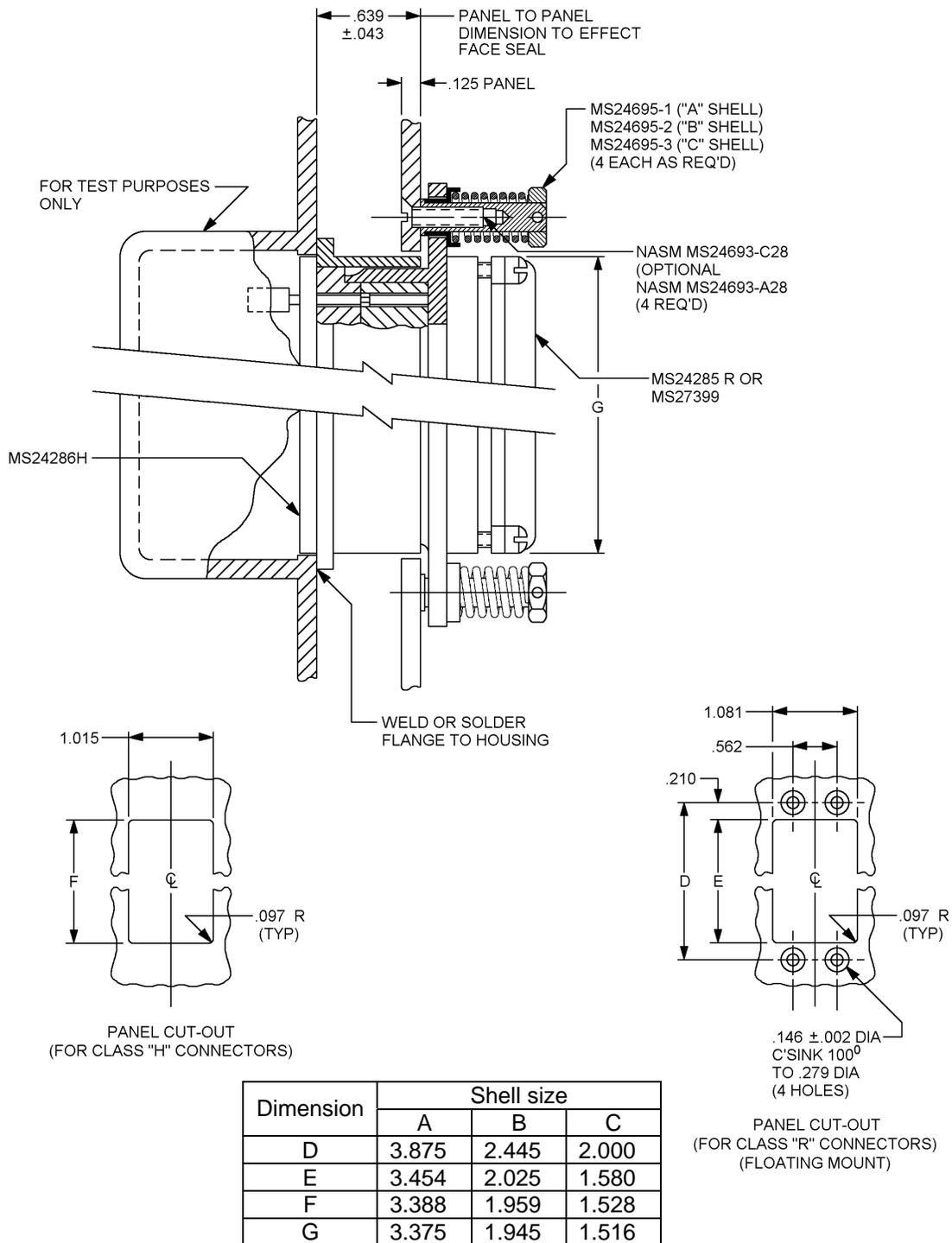


FIGURE 2. Connector mating and mounting details – Continued.

MS24287D

| Inches | mm    | Inches | mm    |
|--------|-------|--------|-------|
| .002   | 0.05  | 1.528  | 38.81 |
| .043   | 1.09  | 1.580  | 40.13 |
| .097   | 2.46  | 1.945  | 49.40 |
| .125   | 3.18  | 1.959  | 49.53 |
| .146   | 3.71  | 2.000  | 50.80 |
| .210   | 5.33  | 2.025  | 51.44 |
| .562   | 14.27 | 2.445  | 62.10 |
| .639   | 17.60 | 3.375  | 85.73 |
| 1.015  | 25.78 | 3.388  | 86.06 |
| 1.081  | 27.46 | 3.454  | 87.73 |
| 1.516  | 38.51 | 3.875  | 98.43 |

Mating and mounting details of MS24285R, MS24286H, and MS27399 connectors for service or test.

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances are  $\pm 0.005$  inch (0.13 mm).

FIGURE 2. Connector mating and mounting details.

MS24287D

REQUIREMENTS:

Dimensions and configuration see figure 1.

This is a design standard. Not to be used a part number.

Part or Identifying Number (PIN): N/A

Referenced documents: In addition to MIL-DTL-26518 this document references the following:

|         |              |
|---------|--------------|
| MS24285 | MS27399      |
| MS24286 | AN507C       |
| MS24695 | NASM MS24693 |

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.

CONCLUDING MATERIAL

Custodians:  
Air Force - 11  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5935-4700-000)

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 [www.dodssp.daps.mil](http://www.dodssp.daps.mil).

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|--|---|---|---|
| <b>PROJECT NUMBER</b><br>5935-4700         | <b>COMPILATION OF COMMENTS</b>  |   | (DOD use only)<br><b>COMMENT NUMBER</b>   |
| <b>DOCUMENT NUMBER</b><br>MS24287D         | <b>COMMENTOR (NAME OR CODE)</b>   |   | <input type="checkbox"/> <b>MFR</b> <input type="checkbox"/> <b>USER</b><br><input type="checkbox"/> <b>IND ASSOC</b> |
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| <b>DOCUMENT NUMBER</b><br>MS24287D         | <b>COMMENTOR (NAME OR CODE)</b><br>_____  |   | <input type="checkbox"/> <b>MFR</b> <input type="checkbox"/> <b>USER</b><br><input type="checkbox"/> <b>IND ASSOC</b> |
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| <b>DOD USE ONLY</b>                        | <b>DEPT</b>   | <input type="checkbox"/> <b>ARMY</b> <input type="checkbox"/> <b>NAVY</b> <input type="checkbox"/> <b>AF</b> <input type="checkbox"/> <b>DLA</b><br><input type="checkbox"/> <b>NSA</b> <input type="checkbox"/> <b>CNDN</b> <input type="checkbox"/> <b>NASA</b> | <input type="checkbox"/> <b>ESSENTIAL</b><br><input type="checkbox"/> <b>SUGGESTED</b>                                |
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