

**INCH-POUND**

MS18198C  
w/AMENDMENT 1  
28 October 2013  
**SUPERSEDING**  
MS18198C  
15 February 2013

**DETAIL SPECIFICATION SHEET**

**PLATE, RETAINING, RECEPTACLE ELECTRICAL CONNECTOR,  
FOR 9, 14, 20 AND 26 CONTACT CONNECTORS**

Reinstated after 10 July 2009 and may be used  
for new and existing designs and acquisitions.

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-28748.

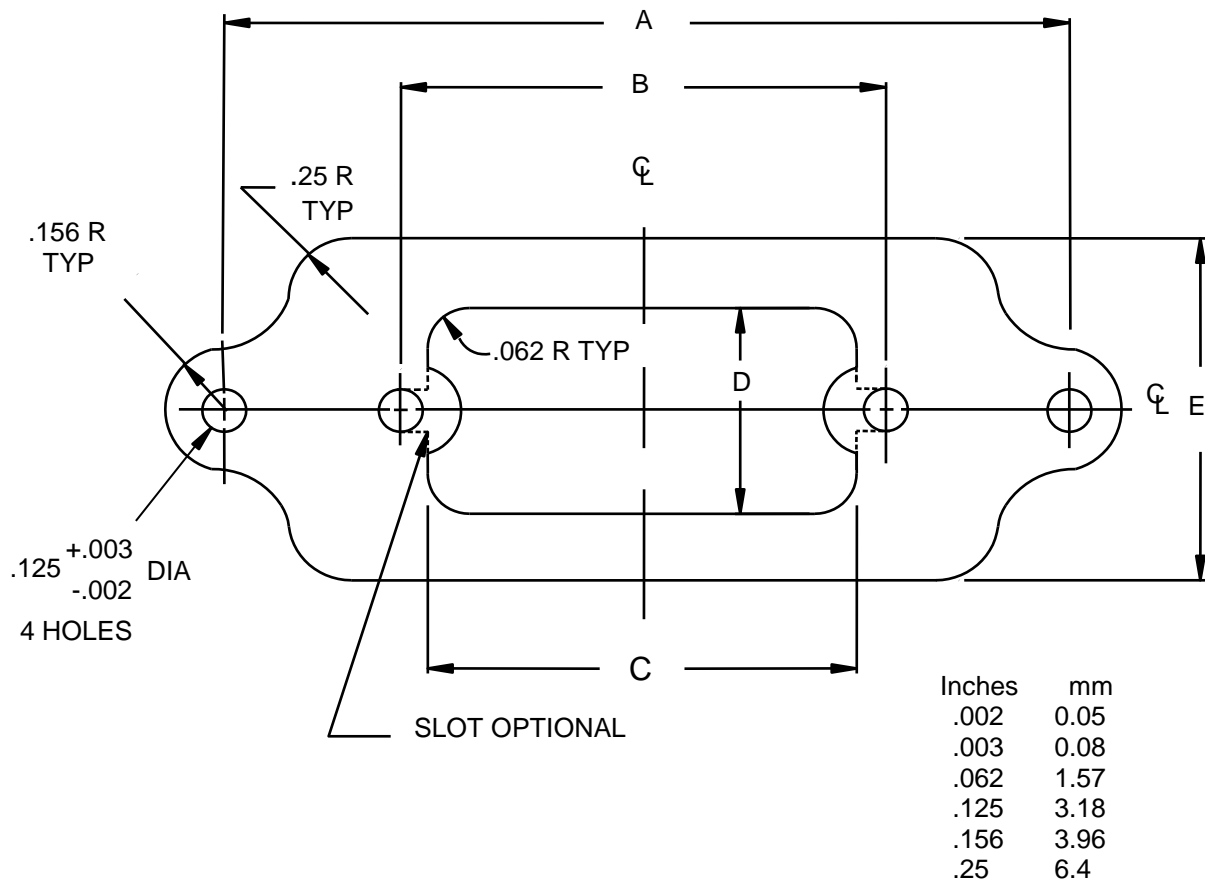


FIGURE 1. Retaining plate.

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| Retaining plate designator | Connector size (number of contacts) | A<br>±.005<br>(0.13 mm) | B<br>±.005<br>(0.13 mm) | C<br>(mm)        | D<br>(mm)       | E<br>(mm)        |
|----------------------------|-------------------------------------|-------------------------|-------------------------|------------------|-----------------|------------------|
| MS18198-1                  | 14                                  | 1.953<br>(49.61)        | .937<br>(23.80)         | .812<br>(20.62)  | .469<br>(11.91) | 1.016<br>(25.81) |
| MS18198-2                  | 20                                  | 2.266<br>(57.56)        | 1.250<br>(31.75)        | 1.125<br>(28.58) | .469<br>(11.91) | 1.016<br>(25.81) |
| MS18198-3                  | 9                                   | 2.016<br>(51.21)        | 1.000<br>(25.4)         | .875<br>(22.23)  | .406<br>(10.31) | .953<br>(24.21)  |
| MS18198-4                  | 26                                  | 2.328<br>(59.13)        | 1.312<br>(33.32)        | 1.187<br>(30.15) | .593<br>(15.06) | 1.141<br>(28.98) |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ±.016 inch (0.41 mm).
4. Material aluminum alloy in accordance with SAE AMS4016, temper H32, .040 inch (1.02 mm) thick.
5. Finish anodize in accordance with MIL-A-8625, type I or type II.

FIGURE 1. Retaining plate – Continued.

Qualification: Qualified sources for MIL-DTL-28748/1 through MIL-DTL-28748/6 that meet the qualification testing requirements in MIL-DTL-28748 require no further testing for the hardware.

Qualification of hardware only: the hardware shall be installed in a qualified connector and shall be subjected to the tests below in accordance with MIL-DTL-28748. Sample size, if qualifying all hardware configurations, shall be two connector pairs.

Visual and mechanical inspection

Vibration

Shock

Salt spray

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-28748, this document references the following:

MIL-A-8625

MIL-DTL-28748/1

MIL-DTL-28748/2

MIL-DTL-28748/3

MIL-DTL-28748/4

MIL-DTL-28748/5

MIL-DTL-28748/6

SAE AMS4016

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CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

Review activities:

Army - AM, AR, AT, CR4, MI  
Navy - AS, MC, OS  
Air Force - 99

(Project 5935-2013-214)

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>.