

INCH-POUND

MS18200B  
w/AMENDMENT 1  
28 October 2013  
SUPERSEDING  
MS18200B  
15 February 2013

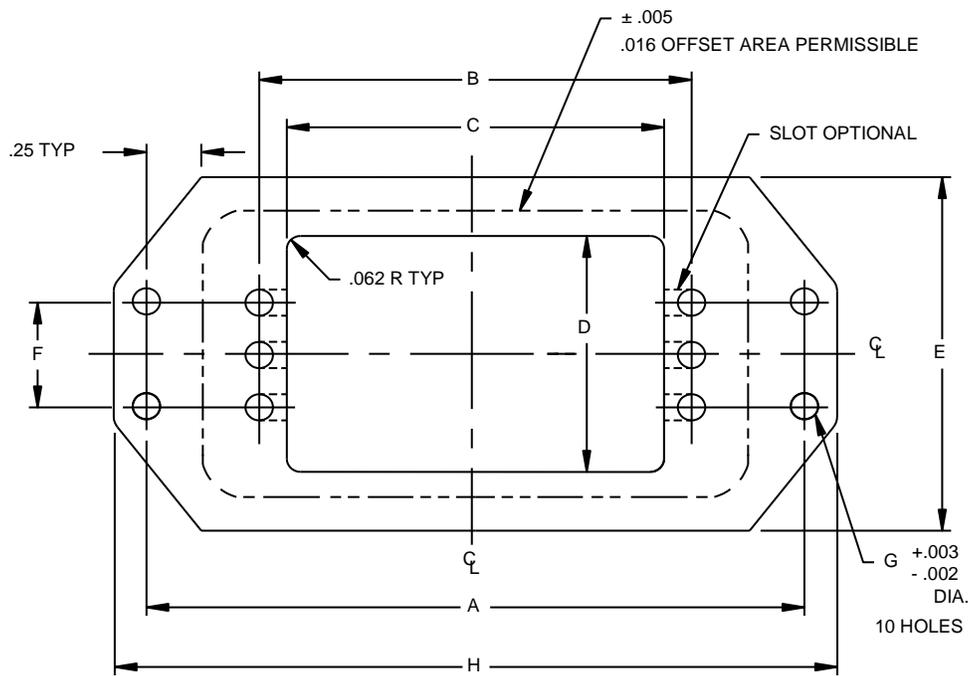
DETAIL SPECIFICATION SHEET

PLATE, RETAINING, RECEPTACLE ELECTRICAL CONNECTOR,  
FOR SIZE 66 AND 104 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.



Inches	mm
.002	0.05
.003	0.08
.005	0.13
.016	0.41
.062	1.57
.25	6.4

FIGURE 1. Retaining plate.

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Retaining plate designator	Connector size (number of contacts)	A ±.005 (0.13 mm)	B ±.005 (0.13 mm)	C (mm)	D (mm)	E (mm)	F ±.005 (0.13 mm)	G (mm)	H (mm)
MS18200-1	66	2.984 (75.79)	1.969 (50.01)	1.718 (43.64)	1.125 (28.58)	1.688 (42.88)	.500 (12.70)	.125 (3.18)	3.296 (83.72)
MS18200-2	104	3.500 (88.90)	2.375 (60.33)	2.125 (53.98)	1.486 (37.74)	2.000 (50.80)	.875 (22.23)	.150 (3.81)	3.875 (98.43)

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

(Project 5935-2013-216)

Review activities:

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

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>.