INCH-POUND MS18192G <u>5 January 2011</u> SUPERSEDING MS18192F 1 June 1983

#### DETAIL SPECIFICATION SHEET

#### SHIELD, ELECTRICAL CONNECTORS FOR 7, 9, 14, 20, 26, 34, 42, 50 AND 75 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.

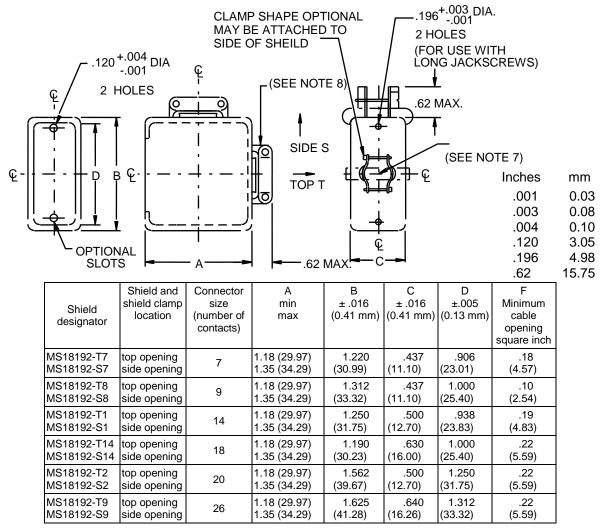
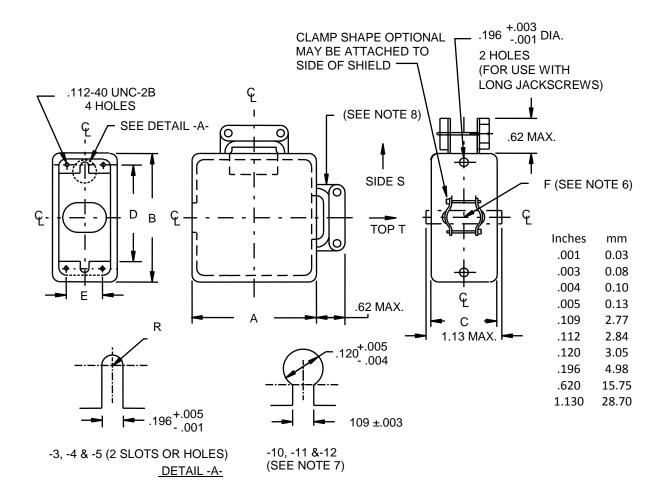


FIGURE 1. Shields for 7, 9, 14, 18, 20, 26, 34, 42, 50, and 75 contact positions.

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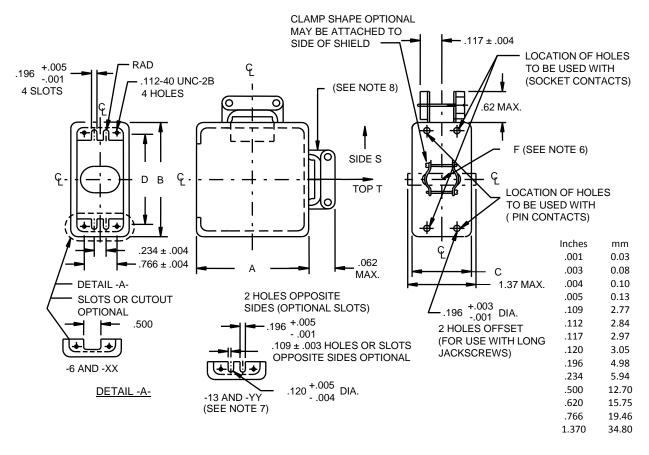
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Shield and Connector А В С D Е F shield clamp min ±.016 ± .016 ±.005 ±.010 Minimum size Shield location (number max (0.41 mm) (0.41 mm) (0.13 mm) (0.25)cable designator suffix opening of designator contacts) square inch MS18192-T3 1.22 (30.99) 2.000 .828 1.688 .468 .34 top opening 34 MS18192-S3 side opening 1.35 (34.29) (50.80)(21.03)(42.88)(11.89)(8.64)MS18192-T4 top opening 1.22 (30.99) 2.312 .828 2.000 .468 .34 42 MS18192-S4 side opening 1.35 (34.29) (58.72)(21.03)(50.80)(11.89)(8.64)MS18192-T5 top opening 1.22 (30.99) 2.594 .828 2.282 .468 .34 50 MS18192-T5 side opening 1.35 (34.29) (65.89) (21.03)(57.96)(8.64) (11.89)MS18192-T10 top opening 1.22 (30.99) 2.000 .828 1.688 .468 .34 34 MS18192-S10 side opening 1.35 (34.29) (50.80) (42.88) (8.64) (21.03)(11.89)MS18192-T11 top opening 1.22 (30.99) 2.312 .828 2.000 .468 .34 42 MS18192-S11 side opening 1.35 (34.29) (21.03) (50.80)(8.64)(58.72)(11.89)MS18192-T12 1.22 (30.99) 2.594 .828 2.282 .468 .34 top opening 50 MS18192-S12 side opening 1.55 (39.37) (65.89)(21.03) (57.96) (11.89)(8.64)

FIGURE 1. Shields for 7, 9, 14, 18, 20, 26, 34, 42, 50, and 75 contact positions - Continued.

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Designator	Shield and shield clamp location suffix designator	Connector size (number of contacts)	A min max	B ± .016 (0.41 mm)	C ± .016 (0.41 mm)	D ±.005 (0.13 mm)	F Minimum cable opening square inch
MS18192-T6	top opening	75	1.22 (30.99)	2.594	1.188	2.282	.55
MS18192-S6	side opening	Pin only	1.35 (34.29)	(65.89)	(30.18)	(57.96)	(13.97)
MS18192-T13	top opening	75	1.22 (30.99)	2.594	1.188	2.282	.55
MS18192-S13	side opening	Pin only	1.35 (34.29)	(65.89)	(30.18)	(57.96)	(13.97)
MS18192-TXX	top opening	75	1.22 (30.99)	2.594	1.188	2.282	.55
MS18192-SXX	side opening	Socket only	1.35 (34.29)	(65.89)	(30.18)	(57.96)	(13.97)
MS18192-TYY	top opening	75	1.22 (30.99)	2.594	1.188	2.282	.55
MS18192-SYY	side opening	Socket only	1.35 (34.29)	(65.89)	(30.18)	(57.96)	(13.97)

# 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 anodized in accordance with MIL-A-8625, type I or type II.
- 6. Edges of cable entry hole to be rounded to prevent insulation chafing.
- 7. MS18192-T10, S10, T11, S12, T13, S13, TYY, and SYY are for use with one-piece jackscrews.
- 8. Clamp hinge may attach to side of shield.

FIGURE 1. Shields for 7, 9, 14, 18, 20, 26, 34, 42, 50, and 75 contact positions - Continued.

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Shields contact positions. See figure 1.

<u>Changes from previous issue</u>. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-28748, this document references the following:

MIL-A-8625 SAE-AMS4016

# CONCLUDING MATERIAL

Custodians: Army – CR Navy – EC Air Force – 85 DLA - CC

Review activities: Army – AM, AR, AT, CR4, MI Navy – AS, MC, OS, SH Air Force – 99 Preparing activity: DLA - CC

(Project 5935-2009-159)

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 <a href="https://assist.daps.dla.mil">https://assist.daps.dla.mil</a>.