

INCH-POUND

MIL-DTL-12883/49B
w/AMENDMENT 1
4 March 2019
SUPERSEDING
MIL-DTL-12883/49B
18 February 2003

DETAIL SPECIFICATION SHEET

SOCKETS AND ACCESSORIES FOR PLUG-IN ELECTRONIC COMPONENTS, MOUNTING TRACKS FOR RELAYS, 10 AMPERES (MIL-PRF-6106, MIL-PRF- 83536, AND MIL-PRF-83726)

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 and MIL-DTL-12883.

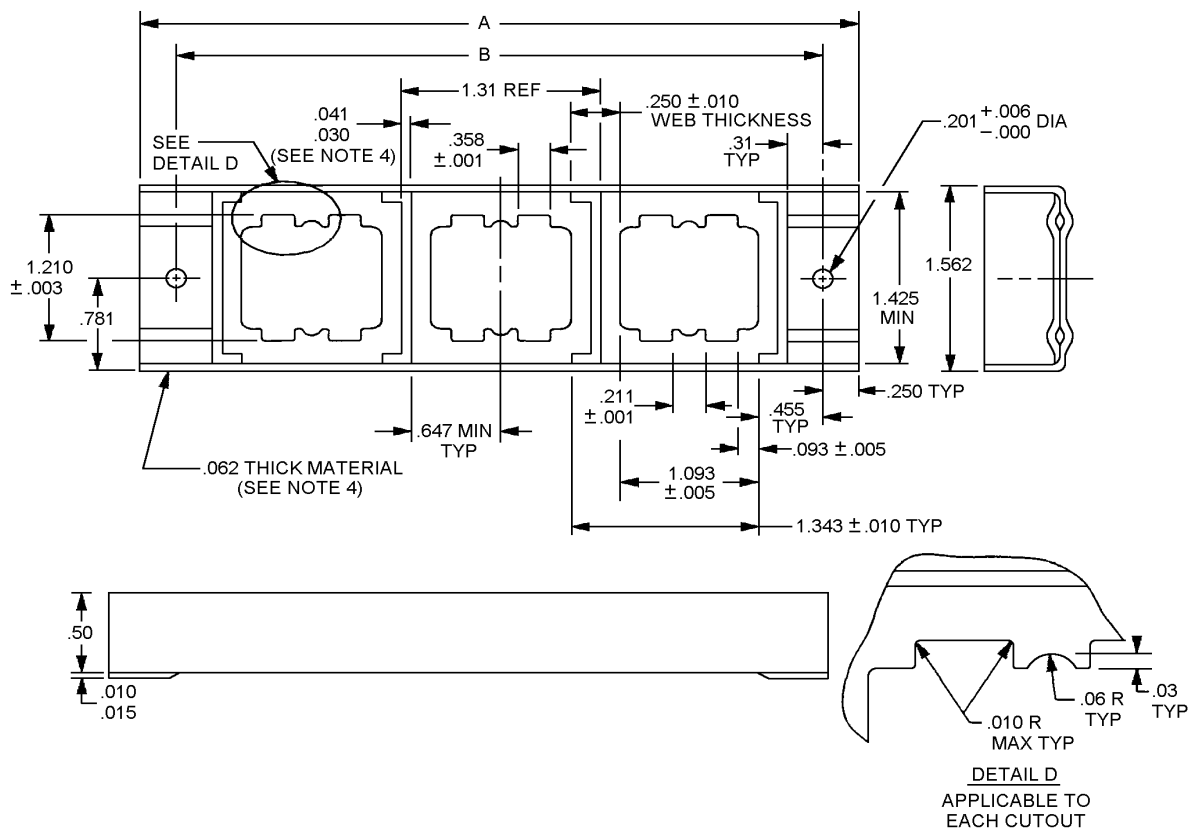


FIGURE 1. Outline configurations.



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Inches	mm	Inches	mm	Inches	mm
.001	0.03	.06	1.5	.50	12.7
.003	0.08	.062	1.57	.647	16.43
.005	0.13	.093	2.36	.781	19.84
.006	0.15	.201	5.10	1.093	27.76
.010	0.25	.211	5.36	1.210	30.73
.015	0.38	.250	6.35	1.31	33.27
.030	0.76	.31	7.9	1.343	34.11
.03	0.8	.358	9.09	1.425	36.20
.041	1.04	.455	11.56	1.562	39.67

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .010$ inch (0.25 mm).
4. Material shall be annealed stainless steel in accordance with SAE-AMS-QQ-S-763, type 302 or 304L.

FIGURE 1. Outline configurations – Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1.

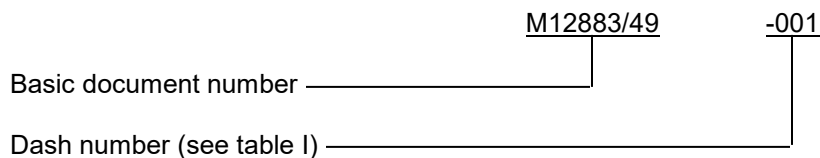
Material: 302 stainless steel, annealed and nickel plated in accordance with SAE-AMS-QQ-N-290, 100 microinches minimum, or 304L stainless steel, annealed and passivated.

Finish: Shot peen, in accordance with SAE-AMS2430.

Plating: Sulfamate nickel in accordance with SAE-AMS-QQ-N-290. Thickness shall be 100 microinches (2.54 μ m) minimum.

Part or Identifying Number (PIN): The PIN shall consist of the basic number of this specification sheet and the dash number from table I.

Example:



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TABLE I. Dash number and characteristics.

Dash number <u>1/</u>	Number of track cutouts <u>2/</u>	Dimensions <u>3/</u>		
		A	B	Max weight ounces (grams)
001	1	2.50 (63.5)	2.000 (50.80)	1.78 (50.46)
002	2	3.84 (97.54)	3.343 (84.91)	2.36 (66.0)
003	3	5.19 (131.83)	4.687 (119.05)	3.2 (90.7)
004	4	6.53 (165.86)	6.031 (153.19)	4.0 (113.4)
005	5	7.87 (199.90)	7.375 (187.33)	4.18 (118.50)
006	6	9.22 (234.19)	8.718 (221.44)	5.1 (144.6)

1/ To be used in conjunction with MIL-DTL-12883/50 and MIL-DTL-12883/51.

2/ MIL-PRF-6106/35 shall be used to fill cutouts when socket module is not installed.

3/ Dimensions are in inches. Millimeters are in parentheses.

Supersession data: See table II.

TABLE II. Supersession data. 1/

Superseded Dash number	Superseding PIN
M6106/3-001	M12883/49-001
M6106/3-002	M12883/49-002
M6106/3-003	M12883/49-003
M6106/3-004	M12883/49-004
M6106/3-005	M12883/49-005
M6106/3-006	M12883/49-006

1/ For Government logistics support, supersession data becomes applicable when a qualified products list becomes available.

The Government PIN, specified in table III, supersedes the following commercial PINs.

TABLE III. Supersession and cross reference.

Active Government PIN	Superseded manufacturers PIN
	CAGE 99699
M12883/49-001	2210-15
M12883/49-002	2210-16
M12883/49-003	2210-17
M12883/49-004	2210-18
M12883/49-005	2210-19
M12883/49-006	2210-20

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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.

Reference documents. In addition to MIL-DTL-12883, this document references the following:

MIL-DTL-12883/50
MIL-DTL-12883/51
MIL-PRF-6106
MIL-PRF-6106/35
MIL-PRF-83536
MIL-PRF-83726
SAE-AMS-QQ-N-290
SAE-AMS-QQ-S-763
SAE-AMS2430

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA – CC

(Project 5935-2018-175)

Review activities:

Army - MI

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>.