

INCH-POUND

MIL-DTL-83505/2C
25 April 2022
SUPERSEDING
MIL-S-83505/2B
30 November 1987

DETAIL SPECIFICATION SHEET

SOCKETS, (LEAD, ELECTRONIC COMPONENTS) (TYPE II, PRINTED CIRCUIT)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirement for acquiring the product described herein shall consist of this specification sheet and the latest issue of MIL-DTL-83505.

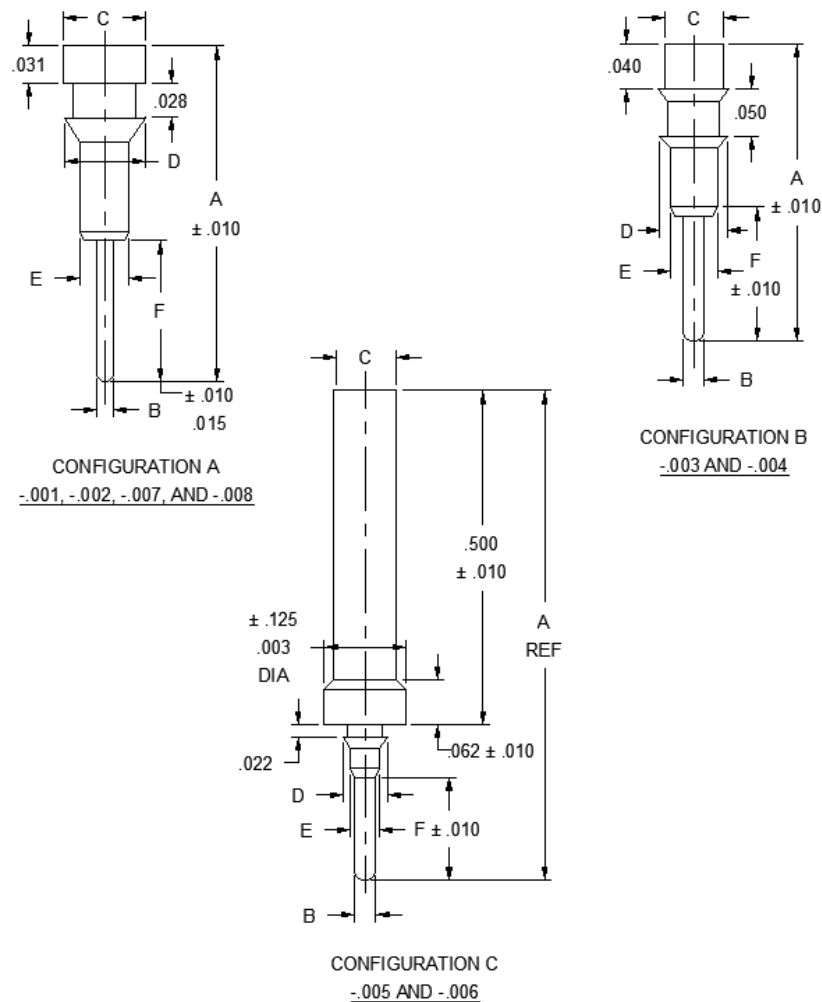


FIGURE 1. Sockets, lead, (type II) printed circuit.

AMSC N/A
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FSC 5935



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Dash number	Recommended mounting hole dia $\pm .001$	Test gauge "B" length 1/	Mating force (max) (lbs)	Sleeve plating
-001	.055	.125	2.00	Gold
-002				Tin/lead
-003	.055	.105	4.00	Gold
-004				Tin/lead
-005	.055	.140	4.00	Gold
-006				Tin/lead
-007	.076	.140	4.00	Gold
-008				Tin/lead

1/ See mating and unmating test per MIL-DTL-83505.

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.003	0.08	.028	0.71	.061	1.55	.143	3.63
.005	0.13	.030	0.76	.062	1.57	.145	3.68
.010	0.25	.031	0.79	.073	1.85	.148	3.76
.015	0.38	.040	1.02	.076	1.93	.162	4.11
.016	0.41	.050	1.27	.082	2.08	.165	4.19
.020	0.51	.051	1.30	.105	2.67	.200	5.08
.021	0.53	.053	1.35	.125	3.18	.290	7.37
.022	0.56	.055	1.40	.140	3.56	.300	7.62
.027	0.69	.060	1.52	.141	3.58	.400	10.16
						.500	12.70

B Dash numbers and dimensions

Dash number	Configuration	Accept pins		A	B Dia	C Dia	D Dia	E Dia	F
		Length	Dia						
-001	A	.143	.021	.290	.020	.072	.061	.053	.125
-002		.125	.016	(7.37)		(1.83)			
-003	B	.148	.021	.290	.020	.055	.060	.051	.125
-004		.105	.016	(7.37)		(1.40)			
-005	C	.165	.030	.732	.027	.093	.060	.053	.160
-006		.141	.020	(18.59)		(2.36)			
-007	D	.145	.030	.300	.020	.085	.082	.073	.125
-008		.140	.020	(7.62)		(2.16)			

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Metric equivalents are in parentheses.
4. Unless otherwise specified, tolerance is $\pm .005$ (.13 mm).

FIGURE 1. Sockets, lead, (type II) printed circuit – Continued.

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REQUIREMENTS:

Dimensions and configurations: See figure 1.

Terminals. Type II (printed circuit).

Mounting. Use .046 inch minimum thickness mounting board.

-001, -002, -005, -006, -007, and -008: Use glass epoxy board, type G10 material for mounting sockets.

-003, -004. Use Teflon board (.125 inch minimum) for mounting sockets.

Qualification: Not required.

First article testing: First article testing shall be in accordance with table II and group A inspection of MIL-DTL-83505.

Group first article testing (as applicable):

-001 and -002: Require all first article testing in accordance with table II and group A inspection of MIL-DTL-83505.

-003 and -004: Visual and mechanical tests of MIL-DTL-83505 and first article testing of -001 or -002.

-005 through -008: Visual and mechanical tests, groups 1 and 2 of MIL-DTL-83505 and first article testing of -001 or 002.

Part number. M83505/2 – (dash number from figure 1).

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:
Army – CR
Navy – EC
Air Force – 85

Preparing activity:
DLA – CC

(Project 5935-2022-072)

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>.