MILITARY 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 requirements for acquiring the sockets described herein shall consist of this specification and the latest issue of MIL-S-83505.

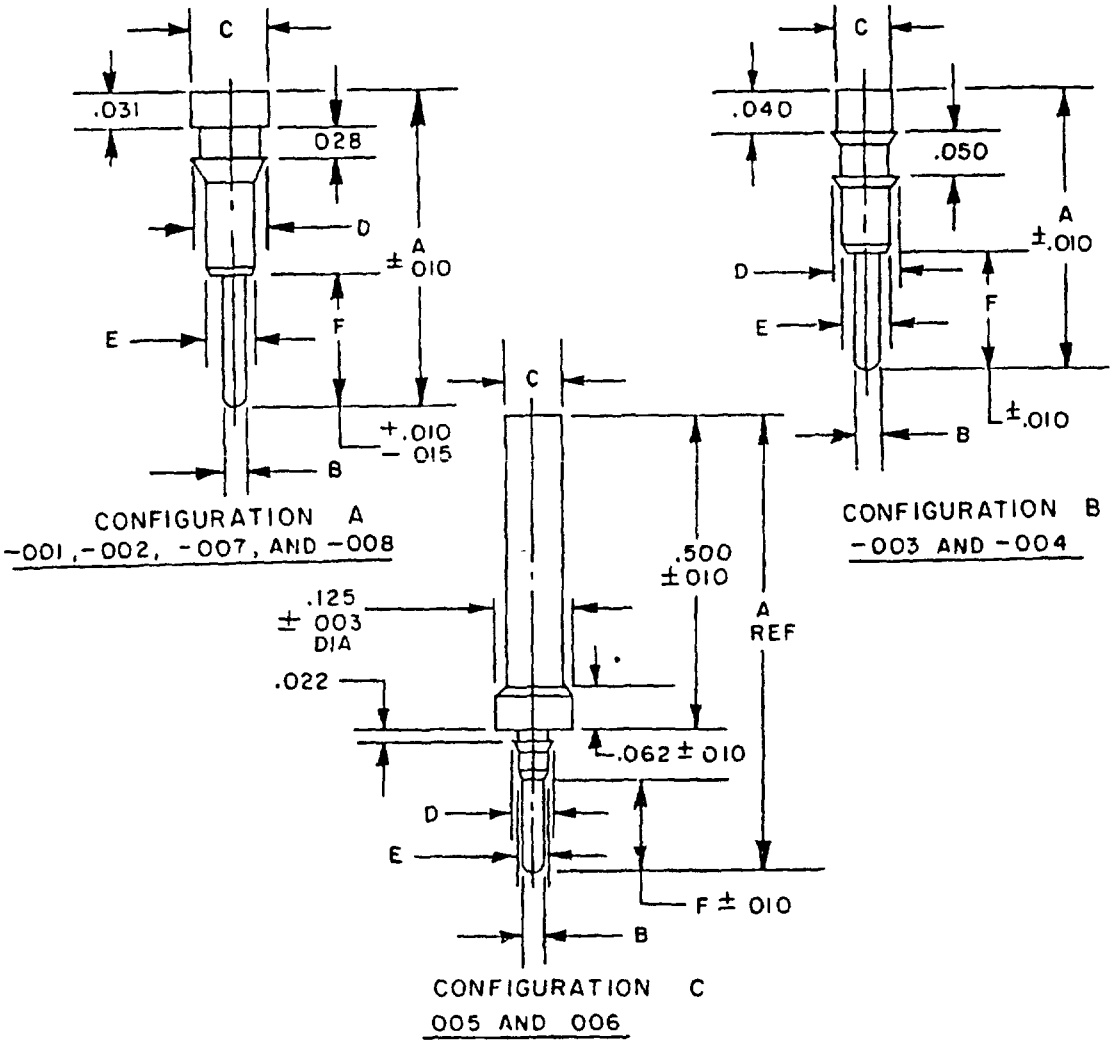

FIGURE 1. Sockets, lead, (type II) printed circuit.

Ⓑ denotes changes

DISTRIBUTION STATEMENT A. Approved for public release, distribution is unlimited.

Dash number	Recommended mounting hole dia ±.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-S-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

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

(B) Dash numbers and dimensions

Dash number	Configuration	Accepts pin		A	B Dia	C Dia	D Dia	E Dia	F
		Length	Dia				±.002		
-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	A	.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. (B) Metric equivalents are in parentheses.
4. Unless otherwise specified, tolerance is ±.005 (.13 mm).

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

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Terminals. Type II (printed circuit).

Mounting. Use .046 inch minimum thickness mounting board.

(B) -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.

(B) Group qualification (as applicable):

-001 and -002: Require all qualification tests of MIL-S-83505.

-003 and -004: Visual and mechanical tests of MIL-S-83505 and qualification of -001 or -002.

-005 through -008: Visual and mechanical tests, groups 1 and 2 of MIL-S-83505 and qualification of -001 or -002.

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

Custodians:
Army - CR
Navy - EC
Air Force - 85

Review activities.
Air Force - 11, 17, 99
DLA - ES

Preparing activity:
Air Force - 85

Agent:
DLA - ES

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