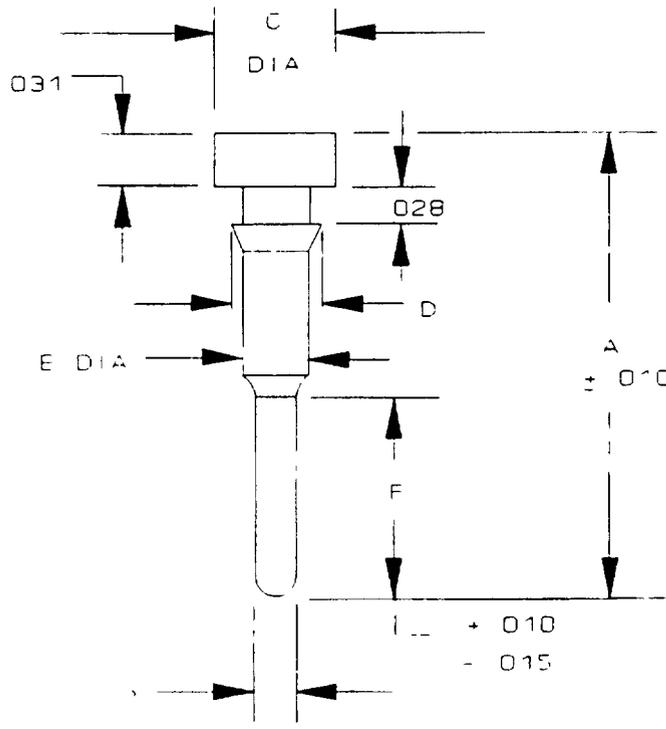


MILITARY SPECIFICATION SHEET

SOCKETS (LEAD, ELECTRONIC COMPONENTS) (TYPE II, PRINTED CIRCUIT)
LOW INSERTION FORCE (LIF)

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 the issue of the following specification listed in that issue of the Department of
Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-S-83505



NOTES:

- 1 Dimensions are in inches
- 2 Metric equivalents are given for general information only
- 3 Unless otherwise specified the tolerance for three place decimals is $\pm .005$
- 4 Part is to be free of burrs or sharp edges
- 5 Dimensions apply after plating
- 6 For retention design requirements see MIL-S-83505, figure 2.

FIGURE 1 Socket, lead, (type II) printed circuit

MIL-S-83505/7

TABLE I Interface dimensions and finish 1/

Dash number	Recommended mounting hole dia ± 001 inch	Test gauge "B" length inch 2/	Mating force (max) (oz/gram)	Sleeve plating
-001 -002	.055 (.140)	.120 (3.05)	2.00/56.7	Gold Tin/lead
-003 -004	.076 (1.93)	.140 (3.56)	2.00/56.7	Gold Tin/lead

- 1/ Metric equivalents are in parentheses.
 2/ See mating and unmating test in accordance with MIL-S-83505.

TABLE II Dash numbers and dimensions 1/

Dash number	Accepts pin		A Inch	B Dia inch	C Dia inch	D Dia inch	E Dia inch	F Inch
	Length inch	Dia inch						
-001	.143 (3.63)	.021 (0.53)	.290 (7.37)	.020 (0.51)	.072 (1.83)	.052 (1.32)	.053 (1.35)	.125 (3.18)
-002	.125 (3.18)	.016 (0.41)						
-003	.145 (3.68)	.030 (0.76)	.300 (7.62)	.020 (0.51)	.085 (2.16)	.052 (1.32)	.073 (1.83)	.125 (3.18)
-004	.140 (3.56)	.020 (0.51)						

- 1/ Metric equivalents are in parentheses.

REQUIREMENTS:

Dimensions and configuration See figure 1 and tables I and II

Terminal Type II (printed circuit)

Mounting. Use .046 inch (1.16 mm) minimum thickness mounting board

Test mounting:

Use glass epoxy board, type G10 material for mounting sockets

Qualification:

Group qualification. Require all qualification tests of MIL-S-83505

Part or Identifying Number (PIN) M83505/7 - (dash number from table II)

CONCLUDING MATERIAL

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

Review activities
 Air Force - 17, 99
 DIA - ES

Preparing activity.
 Air Force - 85

Agent
 DLA - ES

(Project 5935-3926 01)