

INCH-POUND  
MIL-DTL-83734/17A  
24 September 2001  
SUPERSEDING  
MIL-S-83734/17  
5 September 1986

DETAIL SPECIFICATION SHEET  
SOCKETS, PLUG-IN ELECTRONIC COMPONENTS,  
(FOR 32 PIN, DUAL-IN-LINE PACKAGES)

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-83734.

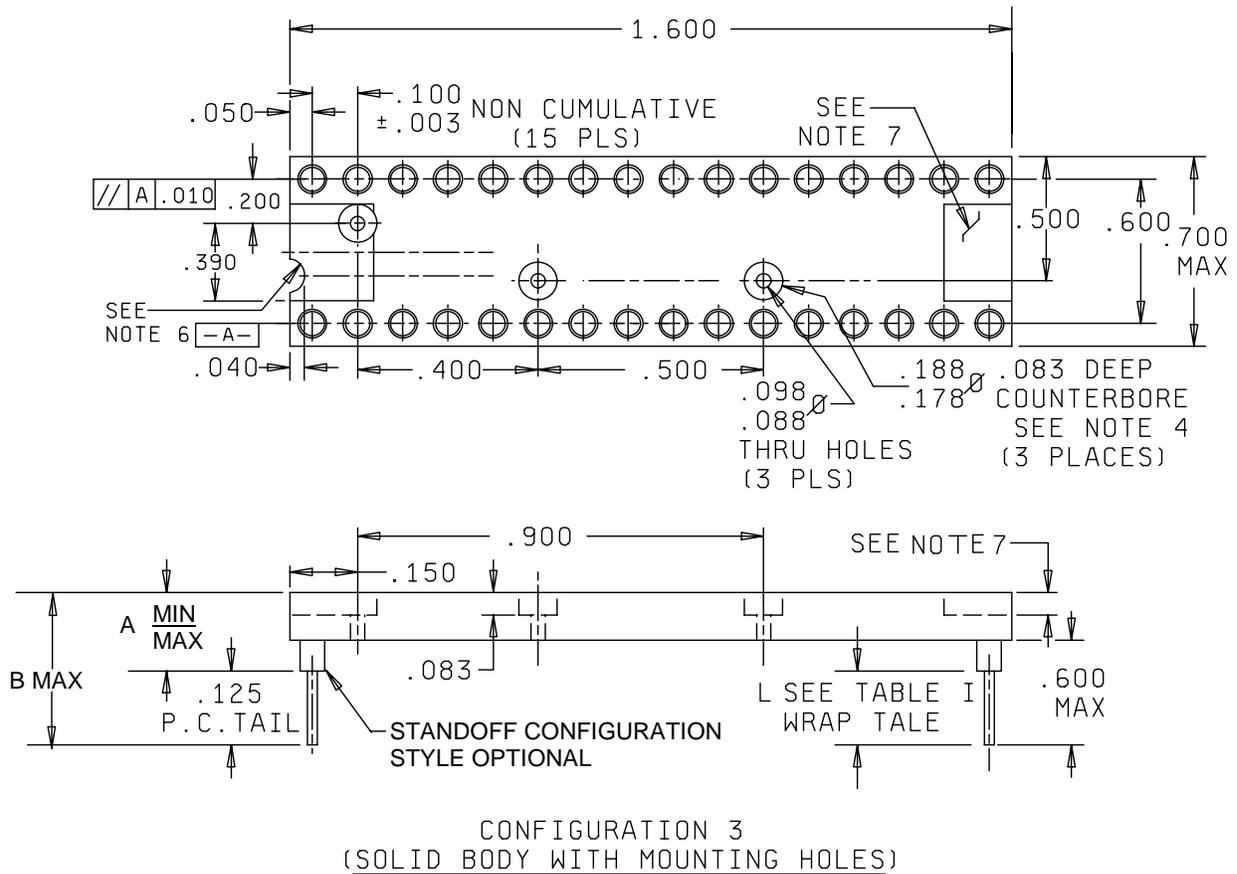


FIGURE 1. Dimensions and configuration.

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Inches	mm	Inches	mm
.003	0.08	.180	4.57
.008	0.20	.188	4.78
.010	0.25	.200	5.08
.040	1.02	.290	7.37
.050	1.27	.390	9.91
.083	2.11	.400	10.16
.088	2.24	.480	12.10
.098	2.48	.500	12.70
.100	2.54	.600	15.24
.125	3.18	.700	17.78
.150	3.81	.900	22.86
.178	4.52	1.600	40.64
		2.300	58.42

Dash number	Dimension "A" max/min (mm)	Dimension "B" max (mm)
-001, 002, 003	.210/.190 (5.33/4.83)	.470 (11.90)
-004, 005, 006	.210/.190 (5.33/4.83)	.565 (14.30)
-007, 008, 009	.210/.190 (5.33/4.83)	.715 (18.20)
-013, 014, 015	.175/.155 (4.44/3.94)	.300 (7.62)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified tolerances are  $\pm .005$  inch (0.13 mm) for three place decimals.
4. Holes to be provided for mounting. A recess to be provided to fully enclose the head or nut of the fastener below the surface of the sockets.
5. Devices shall accept flat leads .008 inch (0.20 mm) to .015 inch (0.38 mm) thick by .015 inch (0.38 mm) to .021 inch (0.53 mm) wide. The values for mating forces are based upon the use of standard leads .011  $\pm$  .002 inch (0.28  $\pm$  0.05 mm) thick by .018  $\pm$  .002 inch (0.46  $\pm$  0.05 mm) wide. The length of the lead accepted by the device shall be .150 inch (3.81 mm) long for the low profile sockets. Contact shall be made at or before reaching a depth of .100 inch (2.54 mm) in the low profile socket.
6. A visual polarization index shall be provided in the first quadrant. If the visual index overlaps into the fourth quadrant, it shall be adjacent to or clockwise from contact number one.
7. It is desirable that the socket face shall be relieved to facilitate removal of the integrated circuit.

FIGURE 1. Dimensions and configurations - Continued.

REQUIREMENTS:

Design and construction:

Dimensions and configurations: See figure 1 and table I.

Material and contact finish: In accordance with MIL-DTL-83734.

Termination's (see table I and MIL-DTL-83734).

- a. Type I; Solderless wrap.
- b. Type II; Printed circuit terminal.

Contact identification: See figure 1 and note 6.

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

Example:

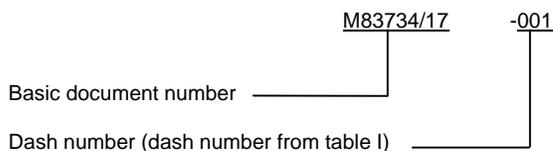


TABLE I. Dash numbers and characteristics.

Dash number M83734/17	Termination type	Length L Min	Contact engagement area finish	Termination finish	Number of wrap levels
-001	I	.185	Gold	Gold	1
-002	I	.185	Gold	Tin/lead	1
-003	I	.185	Tin/lead	Tin/lead	1
-004	I	.320	Gold	Gold	2
-005	I	.320	Gold	Tin/lead	2
-006	I	.320	Tin/lead	Tin/lead	2
-007	I	.485	Gold	Gold	3
-008	I	.485	Gold	Tin/lead	3
-009	I	.485	Tin/lead	Tin/lead	3
-013	II	.120	Gold	Gold	N/A
-014	II	.120	Gold	Tin/lead	N/A
-015	II	.120	Tin/lead	Tin/lead	N/A

1/ For replacement purposes, the Government will stock, store, and issue -001, -004, -007, and -013 parts only. (See MIL-DTL-83734.)

NOTE: Revision letters are not used to denote changes due to the extensiveness of the changes.

CONCLUDING MATERIAL

Custodians:  
 Army - CR  
 Navy - EC  
 Air Force - 11  
 DLA - CC

Preparing activity:  
 DLA - CC  
 (Project 5935-4329-14)

Review activities:  
 Navy - AS, MC, OS, SH, TD  
 Air Force - 19, 99