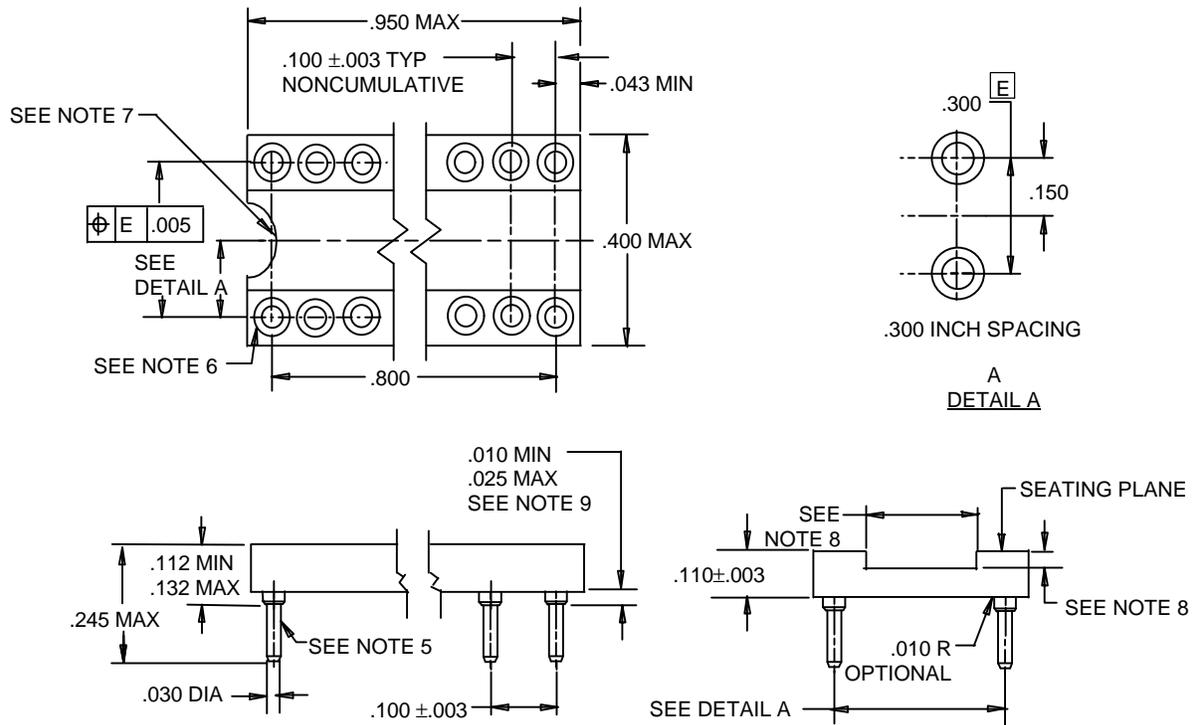


DETAIL SPECIFICATION SHEET  
SOCKETS, PLUG-IN ELECTRONIC COMPONENTS,  
LOW PROFILE, (FOR 18 PIN DUAL-IN-LINE PACKAGES)

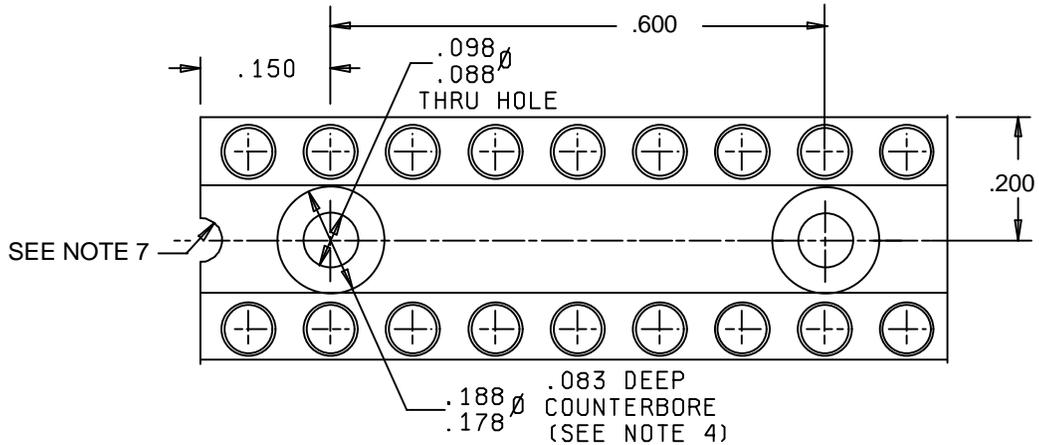
This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification and MIL-DTL-83734.



CONFIGURATION 1  
(SOLID BODY WITHOUT MOUNTING HOLES)

FIGURE 1. Dimensions and configuration.



**CONFIGURATION 3**  
**(SOLID BODY WITH MOUNTING HOLES)**

| Inches | mm   | Inches | mm    |
|--------|------|--------|-------|
| .003   | 0.08 | .112   | 2.84  |
| .005   | 0.13 | .132   | 3.35  |
| .010   | 0.25 | .150   | 3.81  |
| .025   | 0.63 | .178   | 4.52  |
| .030   | 0.76 | .188   | 4.78  |
| .043   | 1.09 | .200   | 5.08  |
| .083   | 2.11 | .245   | 6.22  |
| .088   | 2.16 | .300   | 7.62  |
| .098   | 2.49 | .400   | 10.16 |
| .100   | 2.54 | .600   | 15.24 |
| .110   | 2.79 | .800   | 20.32 |
|        |      | .900   | 22.86 |

**NOTES:**

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified tolerances are  $\pm 0.005$  (0.13 mm) inch for three place decimals and  $\pm 0.01$  (0.3 mm) inch for two place decimals.
4. A recess to be provided to fully enclose the head or nut of the fastener below the surface of the socket.
5. PWB hole size  $.035 \pm 0.003$  inch ( $0.89 \pm 0.08$  mm) solder termination.
6. 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). Contact shall be made at or before reaching a depth of  $.100$  inch (2.54 mm).
7. 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.
8. It is desirable that the socket face shall be relieved to facilitate removal of the integrated circuit.
9. Standoffs are either an integral part of the insulator or leads, design optional.
10. All dimensions of configuration 1 are applicable to configuration 3.

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.

Terminations Type II: Printed circuit terminal dimensions specified in figure 1 and table I.

Contact identification: See figure 1 and note 7.

Marking:

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

Example

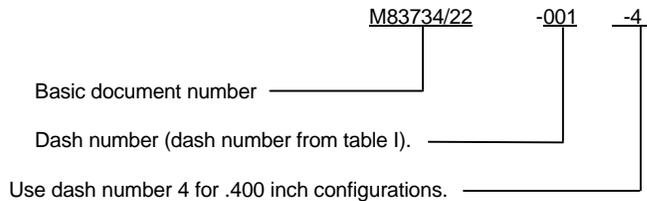


TABLE I. Dash numbers and characteristics.

| Dash number<br>M83734/22 | Termination<br>type | Contact<br>style | Insulator<br>Configuration | Contact<br>engagement<br>area finish | Termination<br>finish |
|--------------------------|---------------------|------------------|----------------------------|--------------------------------------|-----------------------|
| -001                     | II                  | A                | 1                          | Gold                                 | Gold                  |
| -002                     | II                  | A                | 1                          | Gold                                 | Tin/lead              |
| -003                     | II                  | A                | 1                          | Tin/lead                             | Tin/lead              |
| -004                     | II                  | A                | 3                          | Gold                                 | Gold                  |
| -005                     | II                  | A                | 3                          | Gold                                 | Tin/lead              |
| -006                     | II                  | A                | 3                          | Tin/lead                             | Tin/lead              |

1/ For replacement purposes, the Government will stock, store, and issue -001 AND -004 parts only.  
(See 6.5 of MIL-DTL-83734.)

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:  
DLA - CC

(Project 5935-4183-05)

Review Activities:

- Navy - AS, MC, OS, SH, TD
- Air Force - 17, 19, 99