

INCH-POUND

MIL-DTL-28731/24D
15 March 2004
SUPERSEDING
MIL-C-28731/24C
25 May 1984

DETAIL SPECIFICATION SHEET

CONNECTOR, ELECTRICAL, RECTANGULAR SHIELD, FOR 120 REMOVABLE CONTACTS

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
MIL-DTL-28731.

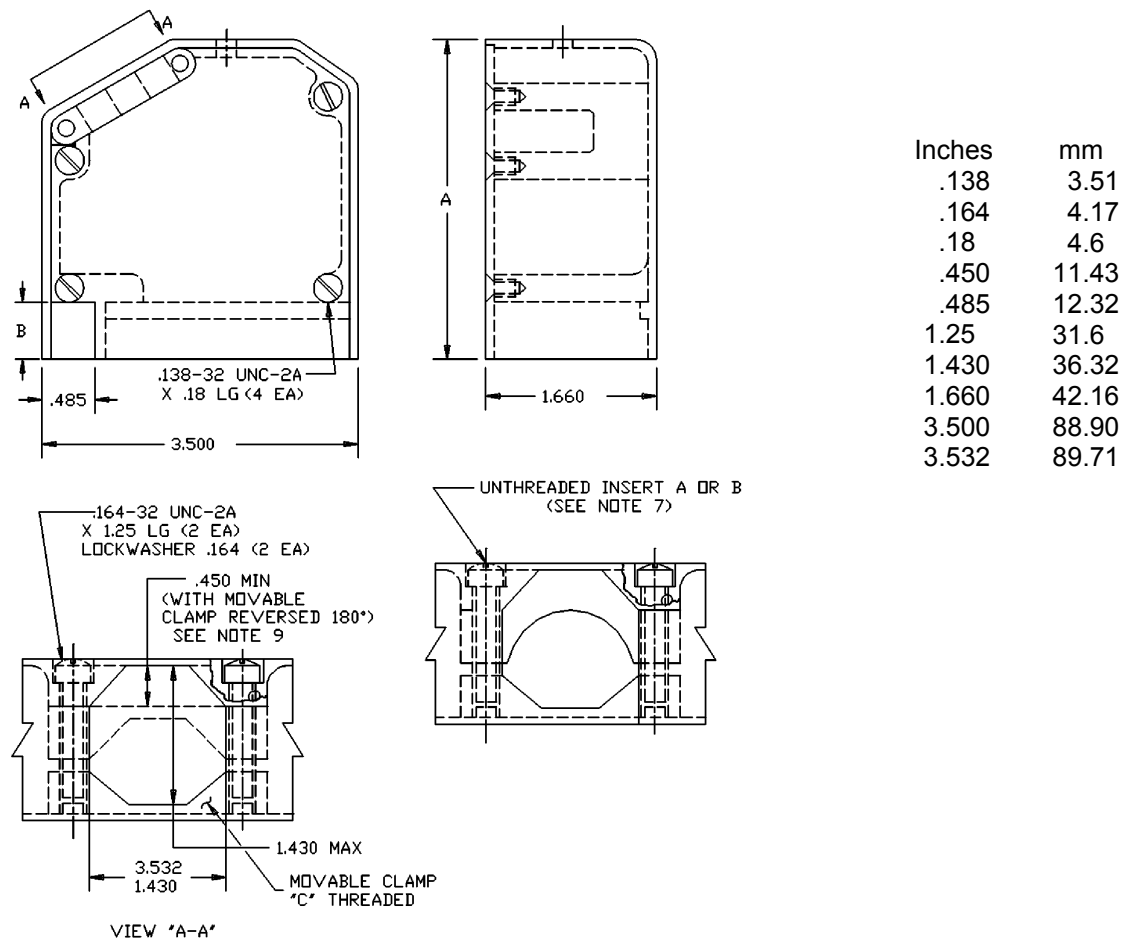
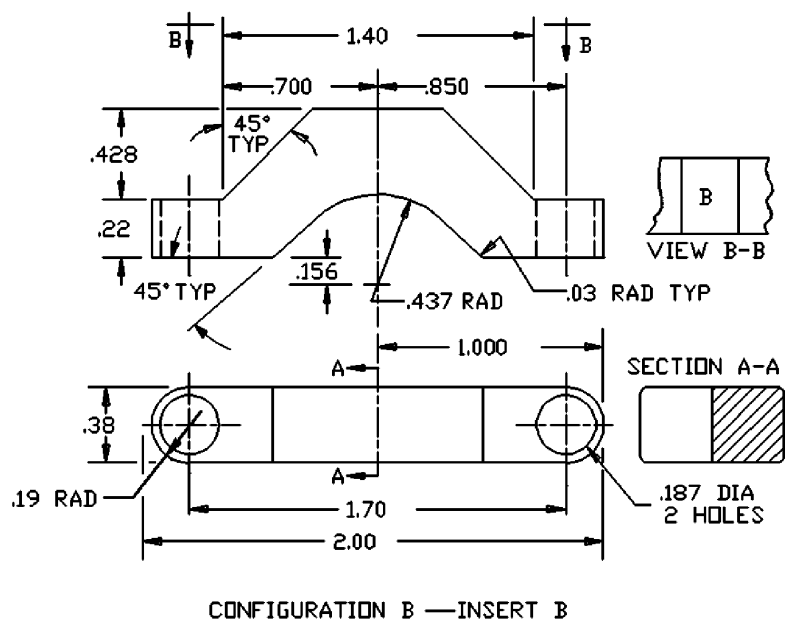
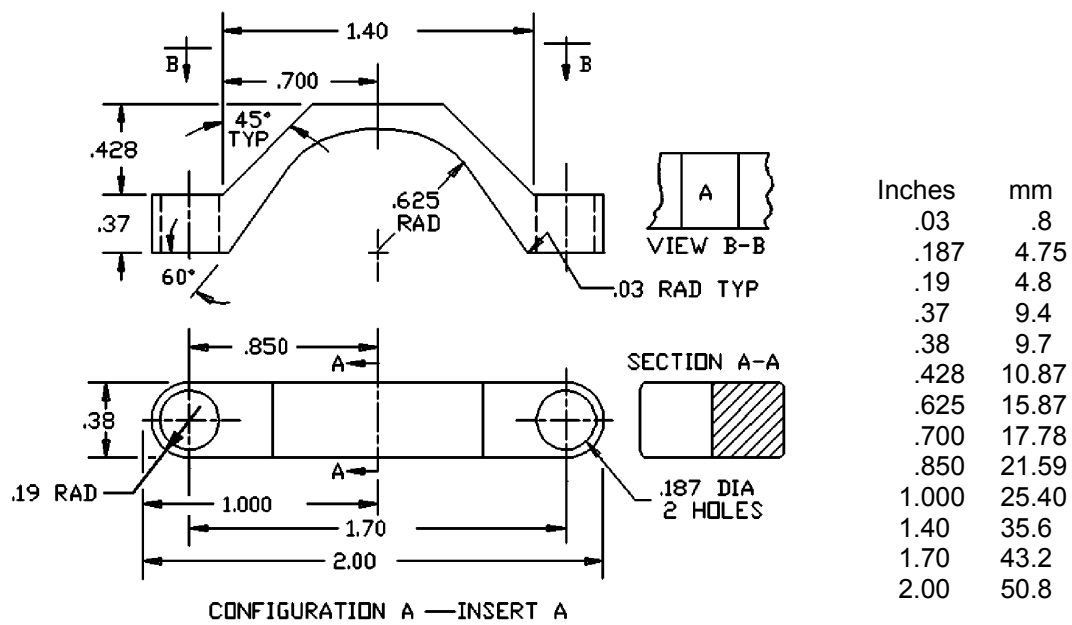
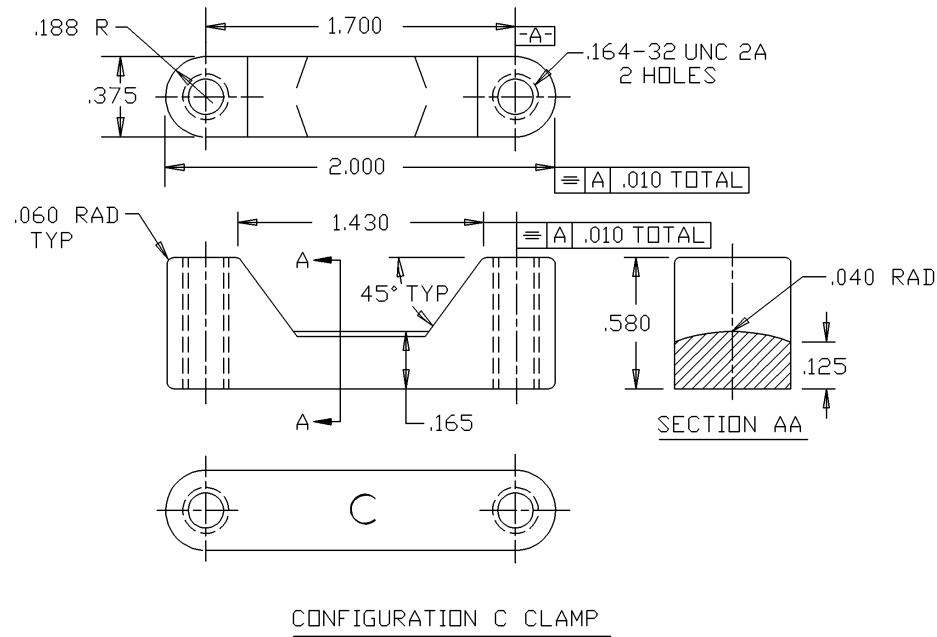


FIGURE 1. Shield, rectangular.

FIGURE 1. Shield, rectangular — Continued.

MIL-DTL-28731/24D



Inserts		Movable field	Typical cable size		
"A"	"F"		MIL-DTL-24643	Cables	O.D.
		Yes	/33	LS2SWU-24	1.590 max (40.39)
		Yes	/27	LSAU40	1.380/1.325 (30.05/33.66)
Yes		Yes	/35	LS3SU14	1.290/1.200 (32.77/30.48)
	Yes	Yes	/7	LSMH0F-44	1.000/ .925 (25.40/23.50)
	Yes	Yes	/45	LS2U-45	.870/ .830 (22.10/21.08)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Tolerance shall be $\pm .005$ (0.13 mm) unless otherwise specified. All dimensions are for parts after plating.
4. Shield assembly (MIL-DTL-28731/24-0001 or -0002) can be used with connector assemblies M28731/18-0111 and M28731/18-0114.
5. Shield assemblies are supplied with four .138-32, screws for mounting shield to insulator, and a rubber grommet No. MS-35489-4 in accordance with NASM3036 for placement in clearance hole for actuating hardware shaft. Complete unit to be packaged in accordance with MIL-STD-2073-1, method 10.
6. Tolerances shall be $\pm .015$ (0.38 mm) unless otherwise specified.
7. The Government has a royalty-free license under the following listed patents for the benefit of manufacturers of the item either for the Government or for use in equipment to be delivered to the Government. Patent notice: Patent No. 3,248,686 owned by Elco Corporation.
8. Unthreaded cable inserts are marked with letters "A" or "B"; a threaded movable clamp is marked with the letter "C". All three items ("A", "B", "C") are supplied with the shield (unless otherwise specified).
9. For cables less than .750 inch (19.05 mm) O.D., use inverted clamp "C" as shown in view A-A.

FIGURE 1. Shield, rectangular – Continued.

MIL-DTL-28731/24D

REQUIREMENTS

Dimensions and configuration: See figure 1.

Part or Identifying Number (PIN): M28731/24- (and dash number from table I).

TABLE I. Dash numbers and dimensions.

Dash number M28731/24	"A" dimension	"B" dimension
-0001	3.895 (98.93)	.650 (16.51)
-0002	3.410 (86.61)	.165 (4.19)

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.

Reference documents. In addition to MIL-DTL-28731, this document references the following:

MIL-STD-2073-1
NASM3036

MIL-DTL-24643/7
MIL-DTL-24643/27
MIL-DTL-24643/33

MIL-DTL-24643/35
MIL-DTL-24643/45
MIL-DTL-28731/24

CONCLUDING MATERIAL

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

Preparing activity:
DLA - CC

(Project 5935-4508-003)

Review activities:
Army - AR, AT, AV, CR4, MI
Navy - AS, MC, OS
Air Force - 19, 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organization and responsibilities can change, you should verify the currency of information above using the ASSIST Online database at <http://www.dodssp.daps.mil>.