

INCH-POUND

MIL-DTL-28731/36C

15 March 2004

SUPERSEDING

MIL-C-28731/36B

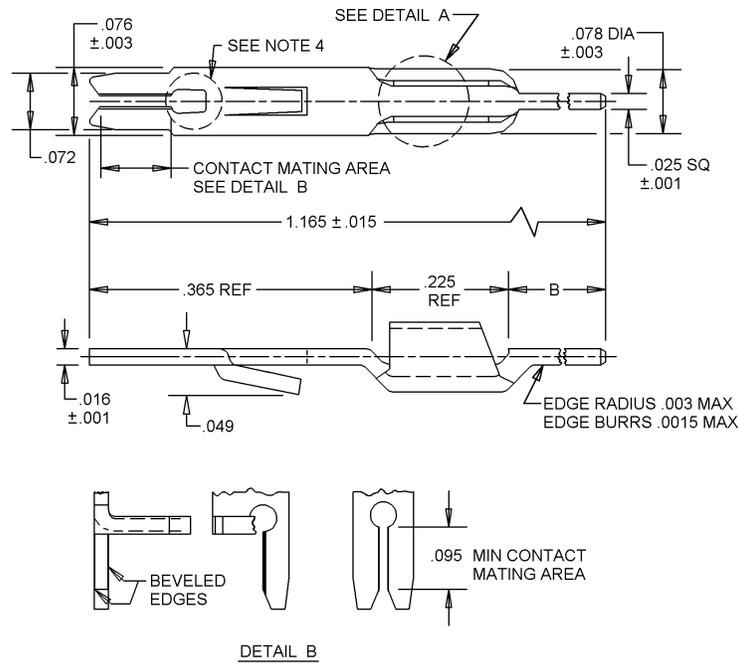
4 June 1985

DETAIL SPECIFICATION SHEET

CONNECTOR, ELECTRICAL, CONTACT FORK TYPE,
WRAPPOST REMOVABLE (3.0 AMPERES)

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

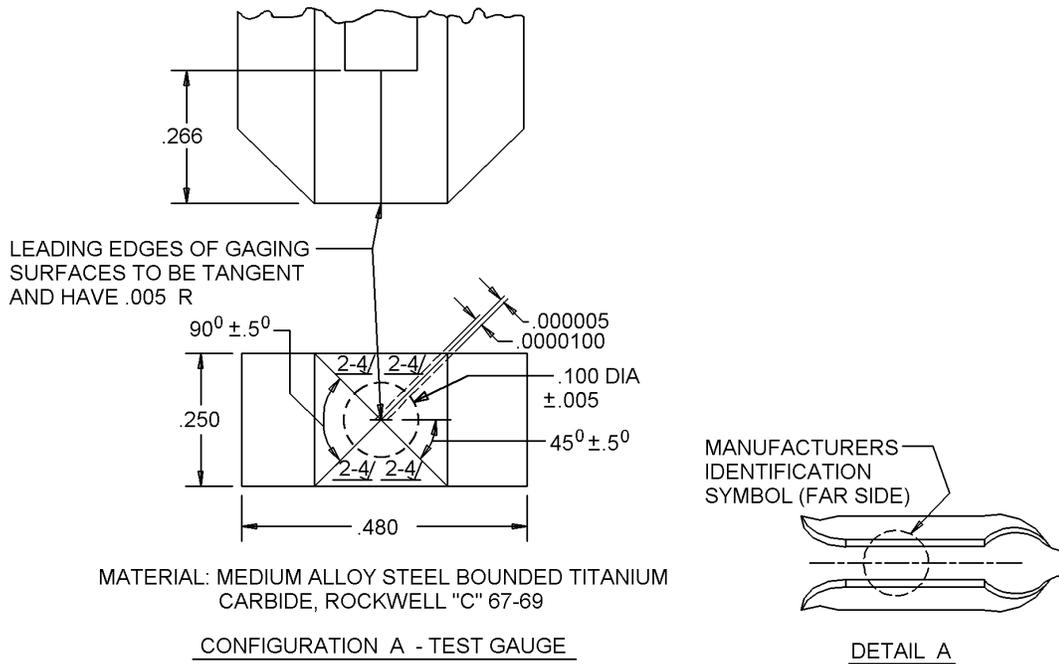
The requirements for acquiring the product described herein shall consist of this specification sheet and
MIL-DTL-28731.



Inches	mm	Inches	mm
.001	0.03	.072	1.83
.0015	0.038	.076	1.93
.003	0.08	.078	1.98
.015	0.38	.095	2.41
.016	0.41	.225	5.72
.025	0.64	.365	9.27
.049	1.24	1.165	29.59

FIGURE 1. Contact, fork type, wrappost removable.

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MANUFACTURERS IDENTIFICATION SYMBOL SHALL BE IMPRINTED APPROXIMATELY AS SHOWN

Inches	mm
.000005	0.00027
.0000100	0.000254
.005	0.13
.100	2.54
.250	6.35
.266	6.76
.480	12.19

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ±.005 (0.13 mm). All dimensions are for parts after plating.
4. Contact relief hold configuration, optional.
5. Contact insertion and removal tool, MIL-I-81969/5-01 and MIL-I-81969/4-02.
6. The Government has a royalty-free license under the following listed patents for the benefit of manufacturers of the items 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.

FIGURE 1. Contact, fork type, wrappost removable - Continued.

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REQUIREMENTS

Dimensions and configurations: See figure 1.

Application: Contacts are used with mounted connectors having fixed actuating hardware on connectors specified in MIL-C-28731/29 through MIL-C-28731/33 and MIL-DTL-28731/34. Automatic wire wrap applications are not recommended for use on contacts.

Wire size: For .025 square wrappost, wire sizes 24, 26, 28 and 30 are recommended for wrappost geometry (see MIL-DTL-28731).

Contact separating force (see configuration A):

Polished steel gage from unplated contacts: 1 ounce, minimum.

Plated gold over nickel contacts (contact to contact): 2 to 10 ounces.

Current rating: 3 amperes, 24 AWS wire.

Contact mating area: Contacts may be supplied with either overall plating or localized finish. For localized finish contacts the contact mating area shall be in accordance with detail B and MIL-DTL-28731 and the tail area (dimension B on figure 1) shall be in accordance with MIL-DTL-28731.

Part or Identifying Number (PIN): M28731/36-0001.

Identification of contact: Contacts shall be permanently imprinted with manufacturer's symbol for purpose of identifying manufacturer's product (see detail A).

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.

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

MIL-C-28731/29	MIL-DTL-28731/34
MIL-C-28731/30	MIL-I-81969/4
MIL-C-28731/31	MIL-I-81969/5
MIL-C-28731/32	
MIL-C-28731/33	

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:
DLA - CC

(Project 5935-4508-006)

Review activities:

Army - AR, AT, AV, 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>.