

INCH - POUNDS

MIL-DTL-28731/35C
 25 May 2012
 SUPERSEDING
 MIL-C-28731/35B
 4 June 1985

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CONTACT FORK TYPE,
 CRIMP REMOVABLE (5.0 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.

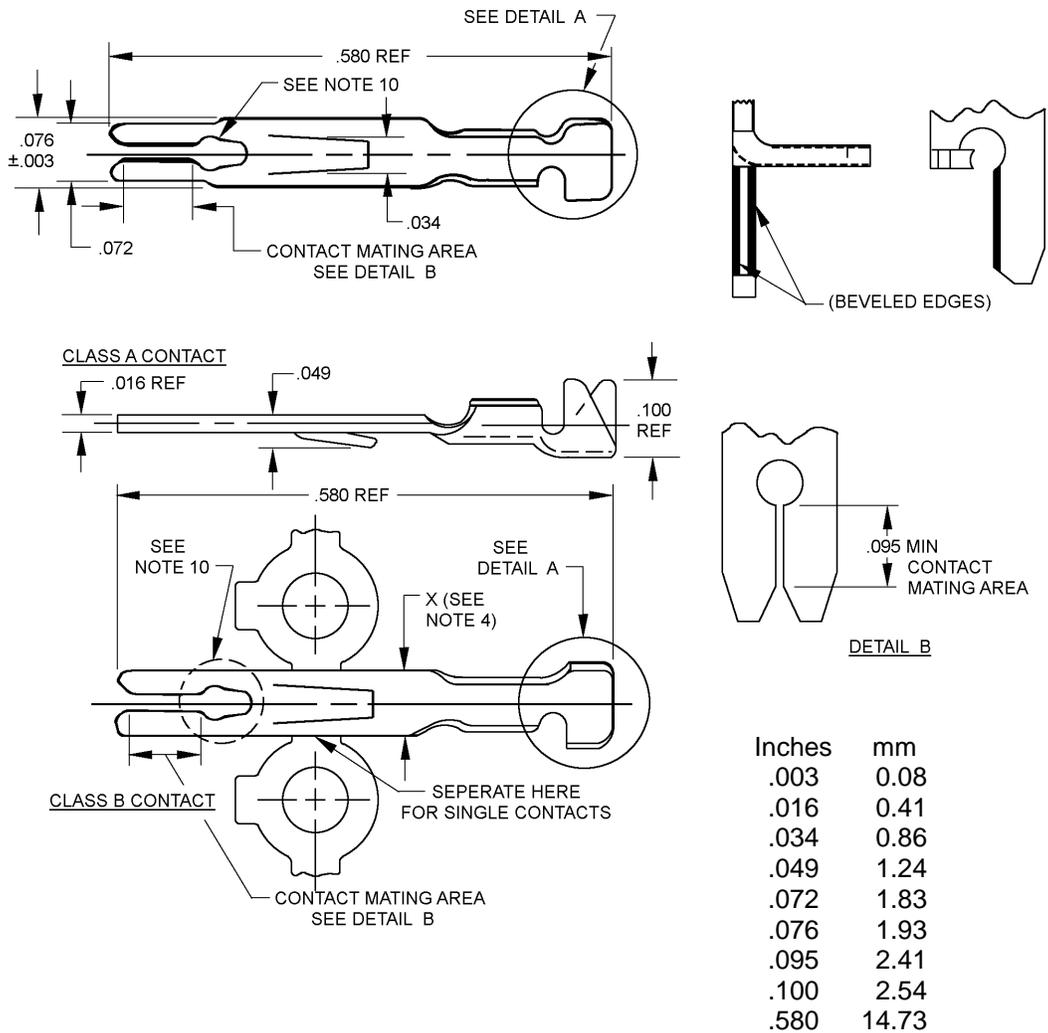
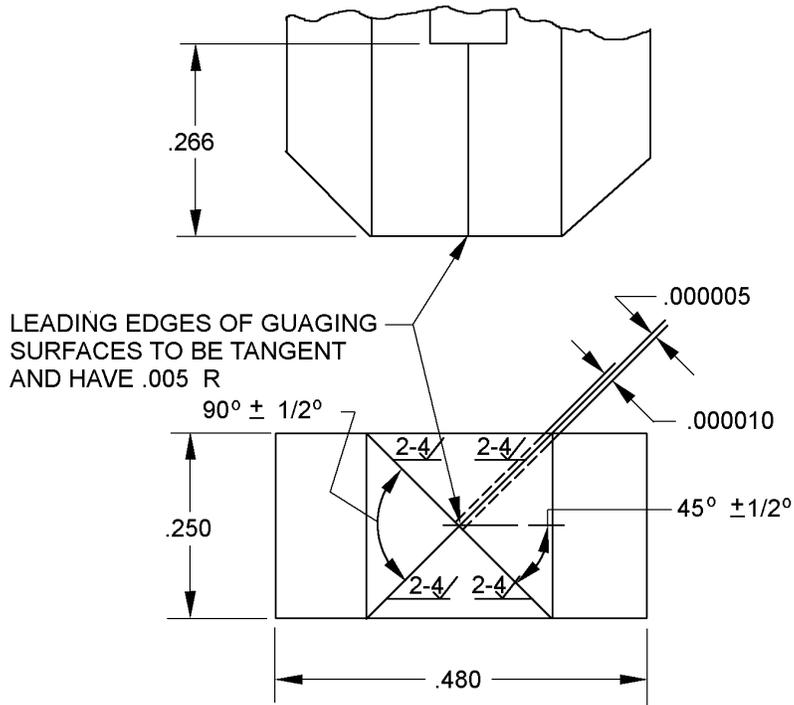


FIGURE 1. Contact, fork type, crimp removable.

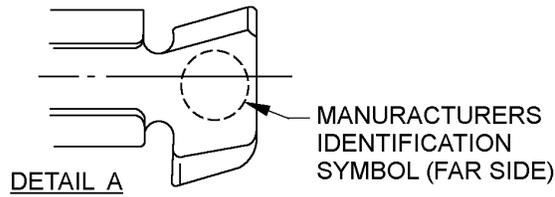
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Material: Medium alloy steel bonded titanium carbide, rockwell -67-69

Inches	mm
.0000050	0.000127
.0000100	0.000254
.001	0.03
.005	0.13
.250	6.35
.266	6.76
.480	12.19

Configuration A - Test gauge



Manufacturers identification symbol shall be imprinted approximately as shown.

FIGURE 1. Contact, fork type, crimp removable – Continued.

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NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerance is $\pm .005$ (0.13 mm). All dimensions are for parts after plating.
4. Trim area not to exceed width of contact across retaining lance area "X".
5. Contact crimp for use with (AWG) wire range No. 22 to No. 30 standard type E in accordance with MIL-DTL-16878.
6. Remove all burrs and sharp edges .001 (0.03 mm) maximum.
7. Crimp tool MIL-C-22520/17-02.
8. Contact insertion and removal tool MIL-I-81969/5-01 and MIL-I-81969/4-02.
9. Contact relief hole configuration, optional.

FIGURE 1. Contact, fork type, crimp removable – Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Contact separating force (see configuration A).

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

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

Current rating: 5 amperes, 22 AWG 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.

Part or Identifying Number (PIN):

M28731/35-0001 – supplied loose for hand crimping installation.

M28731/35-0002 – supplied on a reel for automatic crimping machine installation.

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.

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

MIL-DTL-16878

MIL-DTL-28731/35C

CONCLUDING MATERIAL

Custodians:

Army – CR
Navy – EC
Air Force – 85
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-2012-070)

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 organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.daps.dla.mil/>.