

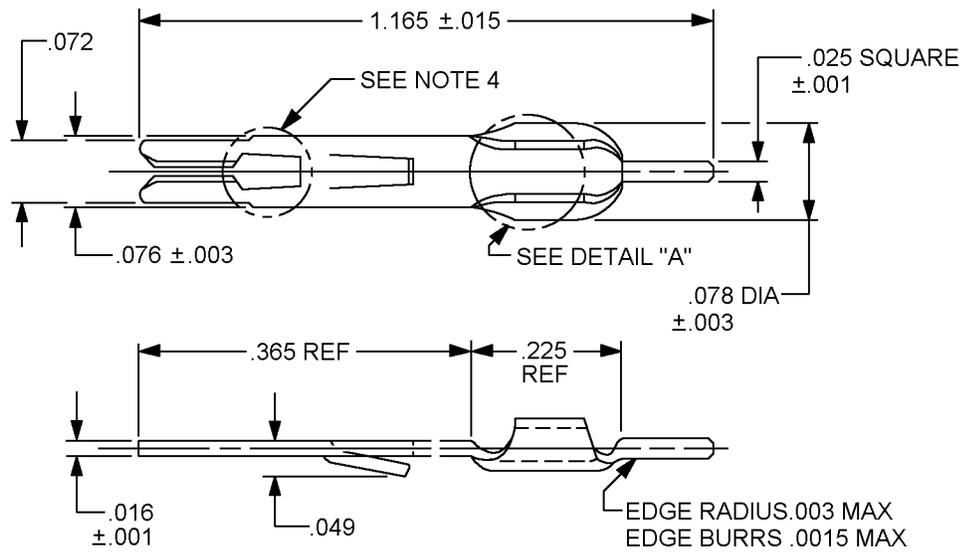
INCH-POUND
MIL-DTL-55302/98D
w/AMENDMENT 2
12 September 2012
SUPERSEDING
MIL-DTL-55302/98D
w/AMENDMENT 1
3 June 2010

DETAIL SPECIFICATION SHEET

CONNECTORS, PRINTED CIRCUIT SUBASSEMBLY AND ACCESSORIES:
CONTACT, WRAPPOST REMOVABLE TYPE

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

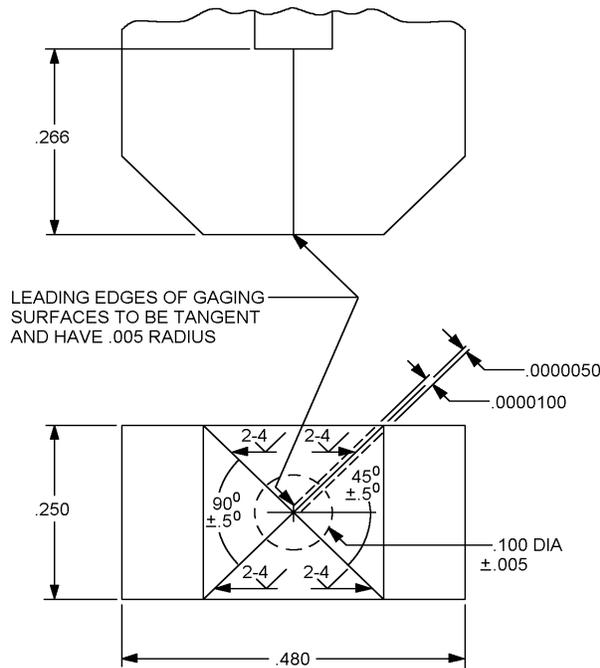
The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-55302.



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

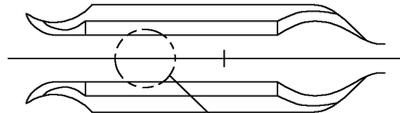
FIGURE 1. Contact, hermaphroditic, wrappost removable.

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MATERIAL: MEDIUM ALLOY STEEL BONDED TITANIUM
CARBIDE, ROCKWELL-C-67-69

CONFIGURATION "A" TEST GAGE



MANUFACTURERS
IDENTIFICATION
SYMBOL, FAR SIDE

Inches	mm
.0000050	0.000127
.0000100	0.000254
.005	0.13
.100	2.54
.250	6.35
.266	6.76
.480	12.19

Detail A

Manufacturer's identification symbol shall be imprinted approximately as shown.

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified tolerances shall be $\pm .005$ (0.13 mm). All dimensions are for parts after plating.
4. Contact relief hole configuration, optional.
5. Contact insertion and removal tool M81969/5-01 and M81969/4-02.

FIGURE 1. Contact, hermaphroditic, wrappost removable - Continued.

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REQUIREMENTS

Dimensions and configurations: See figure 1.

Material: Phosphor bronze in accordance with ASTM B139/B139M, composition A.

Plating: The contact plating shall be gold in accordance with ASTM B488, type II, code D, class 1.27, over nickel plating in accordance with SAE AMS-QQ-N-290, class 2, 30 to 150 microinches.

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, maximum: 3 amperes, 24 AWG wire.

Wire size: For .025 square wrappost, wire sizes 24, 26, 28 and 30 are recommended.

Identification of contact:

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

Application: Contact, hermaphroditic, crimp removable for wire (stranded), are to be used with connectors MIL-DTL-55302/95, MIL-DTL-55302/96, and MIL-DTL-55302/99.

Part or Identifying Number (PIN): M55302/98-01.

Wrappost shall be tested in accordance with the applicable connector specification sheet.

Qualification: Qualification is not required for this specification sheet.

First article testing (FAT): FAT shall be in accordance with MIL-DTL-55302, qualification inspection.

Amendment notations. The margins of this specification are marked with vertical lines to indicate where modifications from this amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

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Referenced documents. In addition to MIL-DTL-55302, this document references the following:

MIL-DTL-55302/95
MIL-DTL-55302/96
MIL-DTL-55302/99
ASTM B139/B139M
ASTM B488
SAE AMS-QQ-N-290

CONCLUDING MATERIAL

Custodians:

Army - CR
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-2012-138)

Review activities:

Army - AR, AT, AV, CR4, MI
Air Force - 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.dla.mil>.