

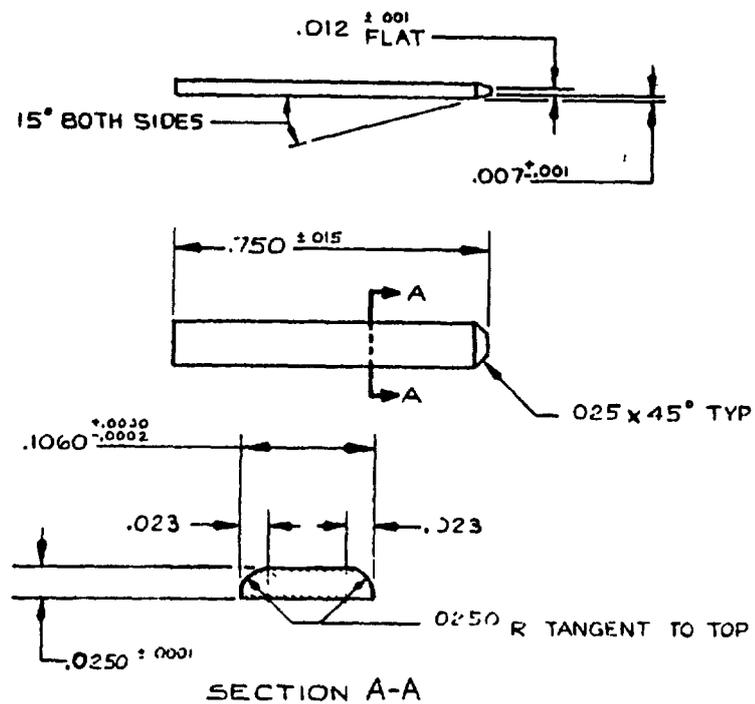
MILITARY SPECIFICATION SHEET
 CONNECTORS, ELECTRICAL, PRINTED WIRING BOARD
 BLADE SIMULATOR FOR MEASURING ENGAGEMENT AND SEPARATION
 FORCES FOR TYPE CR CONTACTS

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

The complete requirements for procuring the blade simulator described herein shall consist of this document and the latest issue of Specification MIL-C-21097.

(C) NOT FOR USE IN NEW DESIGNS OF ARMY EQUIPMENT

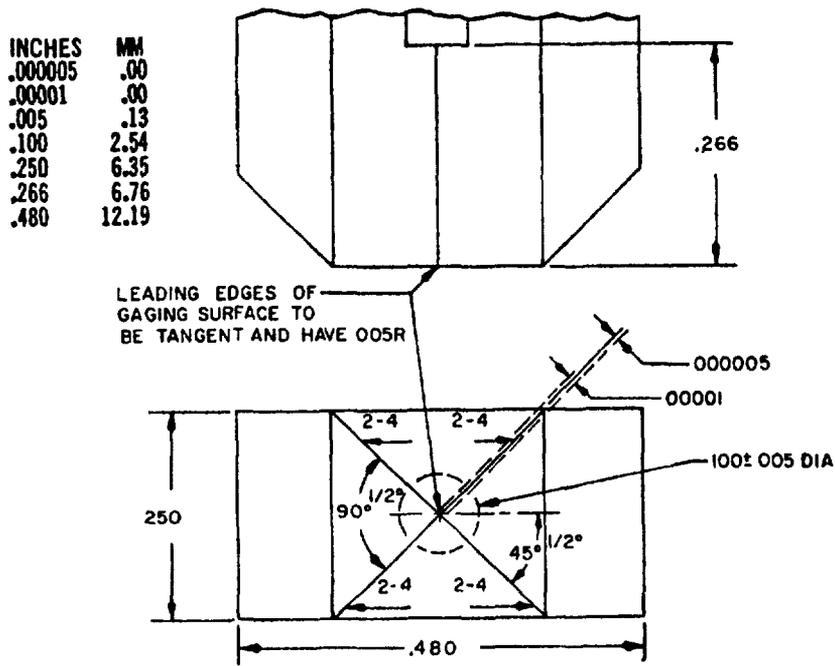
INCHES	MM
.0001	.00
.0002	.01
.001	.03
.007	.18
.012	.30
.015	.38
.023	.58
.025	.64
.1060	2.69
.750	19.05



NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is $\pm .005$ (.13 mm) for three place decimals.
3. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.

FIGURE 1. Blade simulator for type C contacts.



NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is $\pm .005$ (.13 mm) for three place decimals.
3. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.

FIGURE 2. Gage tip, test fixture, contact separation force.

REQUIREMENTS FOR BLADE SIMULATOR:

Dimensions and configuration: See figure 1.

Use: With contacts conforming to MIL-C-21097/16 and MIL-C-21097/17.

Material: "Carpenter" No. 610.

Hardness: Rockwell "C" 60-62

Part number: M21097/19-01.

REQUIREMENTS FOR GAGE TIP:

Dimensions and configuration: See figure 2.

Use: With connectors and contacts conforming to MIL-C-21097/2, MIL-C-21097/3, MIL-C-21097/4, and MIL-C-21097/5.

Material: Medium alloy steel bonded titanium carbide.

Hardness: Rockwell "C" 67-69.

Part number: M21097/19-02.

Custodians:

Army - EL
Navy - EC
Air Force - 11

Preparing activity:

Navy - EC

Agent:

DSA - ES

(Project 5935-1868-16)

Review activities:

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Navy - AS, OS
Air Force -
DSA - ES

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