

TYPICAL POUND
 MIL-C-83522/8B
 30 December 1988
 SUPERSEDING
 MIL-C-83522/8A
 28 September 1987

MILITARY SPECIFICATION SHEET
 CONNECTOR, RECEPTACLE, FIBER OPTIC,
 SINGLE TERMINUS, THREADED,
 BULKHEAD, HEX NUT MOUNT

This specification is approved for use by all Depart-
 ments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist
 of this specification sheet and the issue of the following specification
 listed in that issue of the Department of Defense Index of Specifications
 and Standards (DODISS) specified in the solicitation: MIL-C-83522.

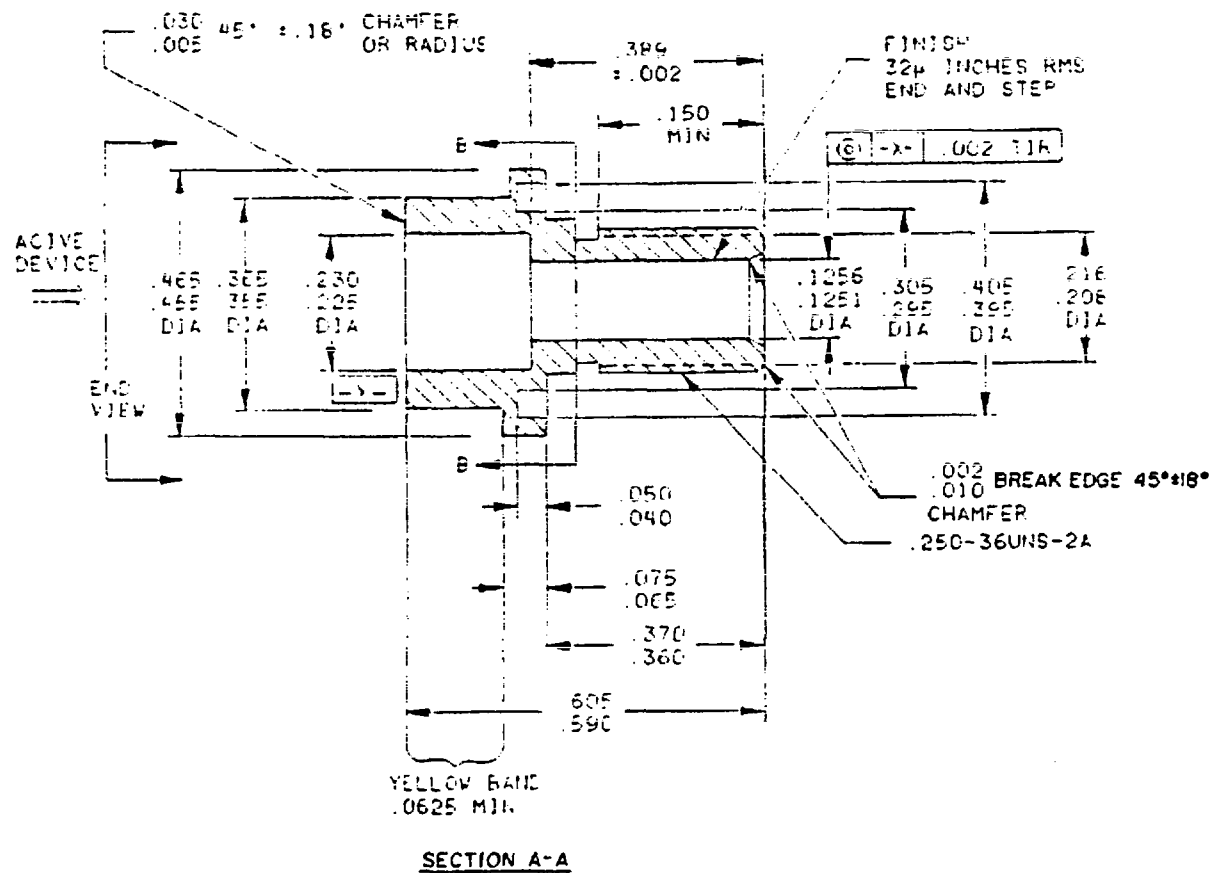
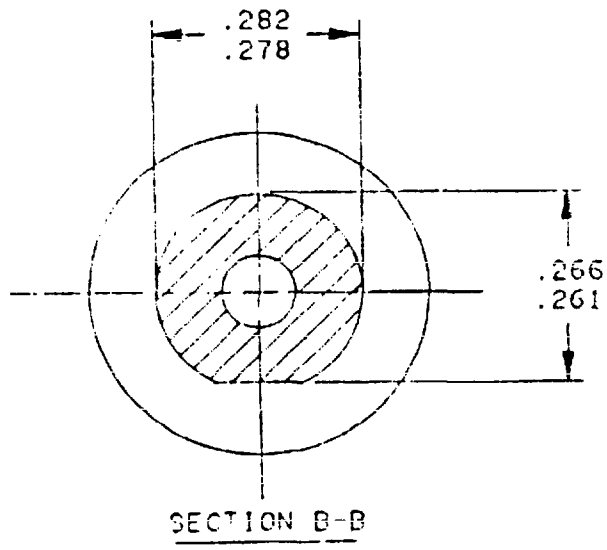
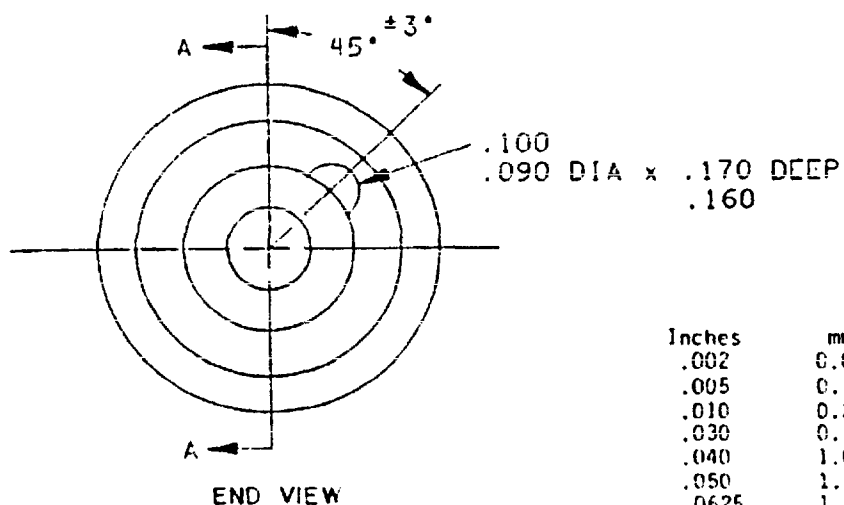


FIGURE 1. Dimensions and configuration.



Inches	mm	Inches	mm
.002	0.05	.230	5.84
.005	0.13	.250	6.35
.010	0.25	.261	6.63
.030	0.76	.266	6.76
.040	1.02	.278	7.06
.050	1.27	.282	7.16
.0625	1.588	.295	7.49
.065	1.65	.305	7.75
.075	1.91	.355	9.02
.090	2.29	.360	9.14
.100	2.54	.365	9.27
.1251	3.177	.370	9.40
.1256	3.190	.389	9.88
.150	3.81	.395	10.03
.160	4.06	.405	10.29
.170	4.31	.455	11.56
.208	5.28	.465	11.81
.216	5.48	.590	14.99
.225	5.72	.605	15.37

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .005$ (0.13 mm) for three place decimals.
4. When applicable, three holes .016 (0.41 mm) minimum diameter, equally spaced, are required for safety wiring after mating. Location on the coupling nuts optional.

FIGURE 1. Dimensions and configuration - Continued.

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REQUIREMENTS:

Metals: The receptacle housing and other metal components shall be of corrosion resistant steel per QQ-S-763, class 303 or nickel plated brass per QQ-E-626.

Weight: 5 grams maximum.

Safety wire holes: Not required.

Force to engage and disengage:

Longitudinal force: 12 pounds maximum.

Torque: 4 inch-pounds maximum.

Coupling proof torque: Not applicable.

Coupling mechanism retention force: Not applicable.

Ozone exposure: Not applicable.

Part or Identifying Number: M83522/6-01.

Receptacle accessories: Receptacle accessories shall include one internal tooth lockwasher (.410 inch maximum by .016 inch thick); one hexnut (.3125 inch by .065 inch thick maximum); one plastic device ring (.229 inch diameter maximum by .085 inch thick maximum); one fluoroelastomer (VITON rubber) o-ring (.301 inch diameter by .054 inch thick); and one dust cover.

NOTES: The receptacle mates with MIL-C-83522/1 plug, MIL-C-83522/2 plug, and MIL-C-83522/6 plug.

The receptacle accepts 10 can sizes 18, 46, and 52.

Revision letters are not used to denote changes due to the extensiveness of the changes.

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - EC
Air Force - 85
NASA - NA

Preparing activity:

Air Force - 85

Agent:

DLA - ES

Review activities:

Army - MI
Navy - AS, SH
Air Force - 11, 17, 19, 70, 71, 80, 84, 90, 99
DLA - LS

(Project 6060-0073-B)

User activities:

Navy - MC, OS, YD
Air Force - 13, 14, 19