

INCH-POUND

MIL-C-83522/3G
17 May 2006
SUPERSEDING
MIL-C-83522/3F
28 June 1990

MILITARY SPECIFICATION SHEET

CONNECTOR, ADAPTER, FIBER OPTIC, BULKHEAD MOUNT, FOR SINGLE FIBER

Inactive for new design
after 17 August 1999

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-C-83522.

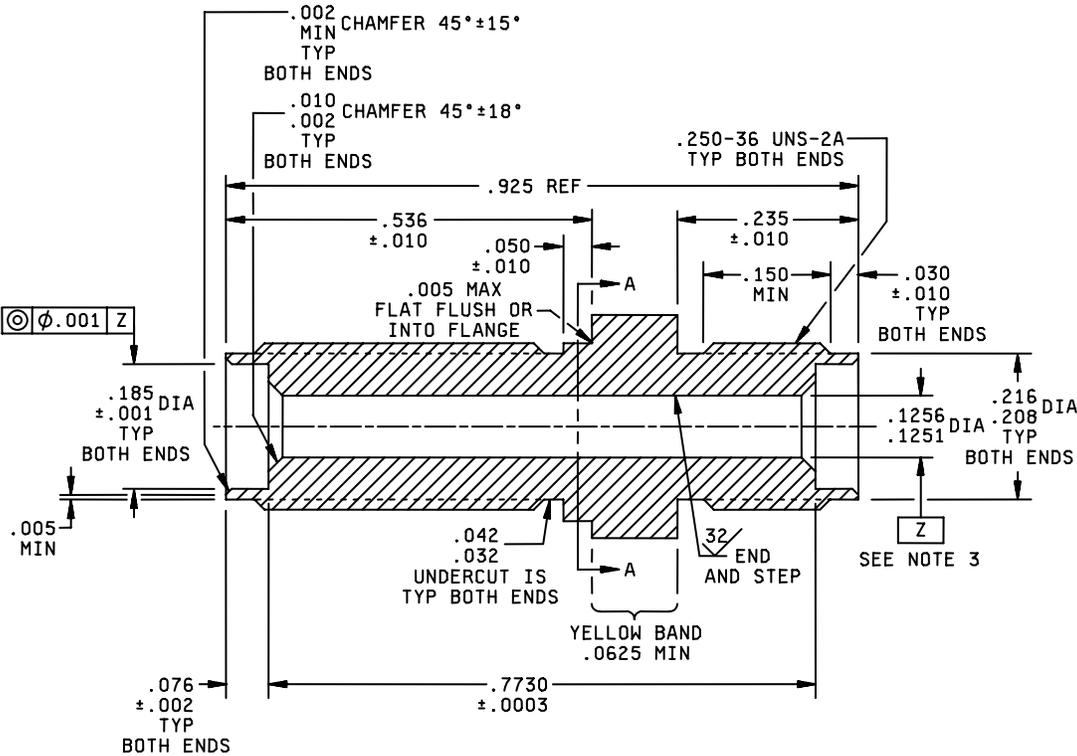
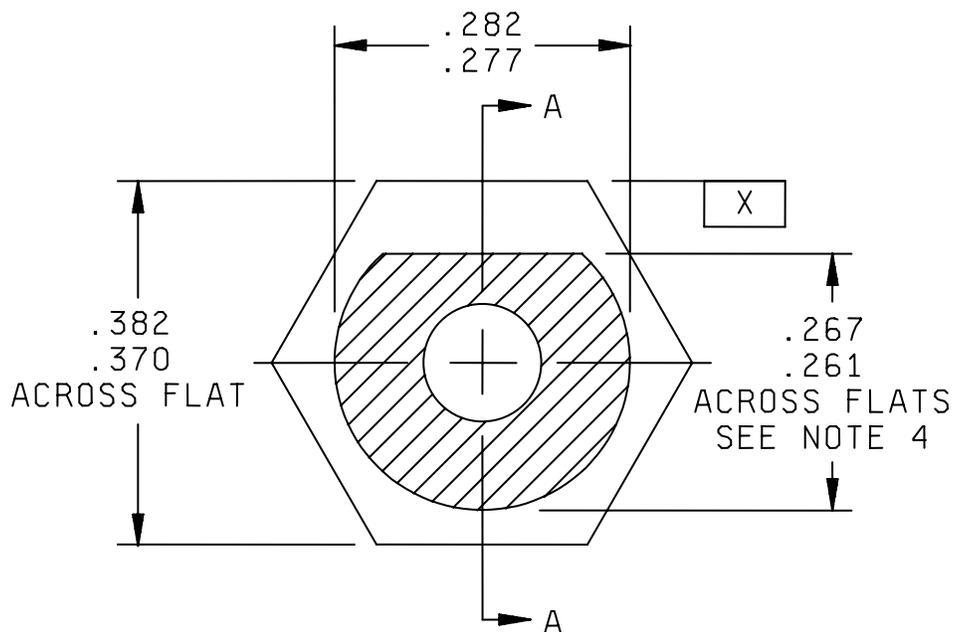


FIGURE 1. Dimensions and configuration (step-down nose).



Inches	mm	Inches	mm
.0003	0.008	.185	4.70
.001	0.03	.208	5.28
.002	0.05	.216	5.49
.005	0.13	.235	5.97
.010	0.25	.250	6.35
.030	0.76	.261	6.63
.034	0.86	.267	6.78
.042	1.07	.277	7.04
.050	1.27	.282	7.10
.0625	1.588	.370	9.40
.076	1.93	.382	9.70
.1251	3.178	.536	13.61
.1256	3.190	.7730	19.634
.150	3.81	.925	23.50

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are for general information only.
3. All dimensions are after plating.
4. Flat to be within ± 1 percent of surface -X-.
5. No burrs or nicks for entire length.

FIGURE 1. Dimensions and configuration – Continued.

MIL-C-83522/3G

Part or Identifying Number (PIN): M83522/3-01.

REQUIREMENTS:

Metals: The adapter housing and other metal components shall be of corrosion resistant steel in accordance with SAE-AMS-QQ-S-763, class 303 or nickel plated brass in accordance with ASTM-B36/B36M alloys C23000, C24000, C26000, or C26800 or ASTM-B16/B16M or ASTM-B122/B122M alloys C377000, C46400, C48200, or C48500.

Optical requirements:

Coupling loss (attenuation): 2 dB maximum per mated pair.

Weight: 6 grams maximum.

Safety wire holes: Not applicable.

Force to engage and disengage:

Longitudinal force: 12 pounds maximum.

Torque: 4 inch-pounds maximum.

Coupling proof torque: 5 inch-pounds minimum.

Coupling mechanism retention force: Not applicable.

Ozone exposure: Not applicable.

Adapter accessories: one internal teeth lock washer .410 maximum by .018 inch thick, and one hex nut .3125 by .065 inch thick maximum and two protective dust-caps.

NOTE: The adapter mates with MIL-C-83522/1 plug and MIL-C-83522/2 plug.

Referenced documents: In addition to MIL-C-83522, this document references the following:

MIL-C-83522/1	ASTM-B16/B16M	ASTM-B122/B122M
MIL-C-83522/2	ASTM-B36/B36M	SAE-AMS-QQ-S-763

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

MIL-C-83522/3G

Custodians:
Army – CR
Navy – SH
Air Force – 11
DLA - CC

Preparing activity:
DLA - CC

(Project 6060-2006-013)

Review activities:
Navy – AS
Air Force – 02, 03, 19, 33, 93, 99
DIA – DI
NASA – NA

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 <http://assist.daps.dla.mil/>.