

MIL-C-83522/18
7 May 1991

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MILITARY SPECIFICATION SHEET

CONNECTOR, FIBER OPTIC, SINGLE TERMINUS, ADAPTER,
2.5 MILLIMETER BAYONET COUPLING PC MOUNT,

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 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.

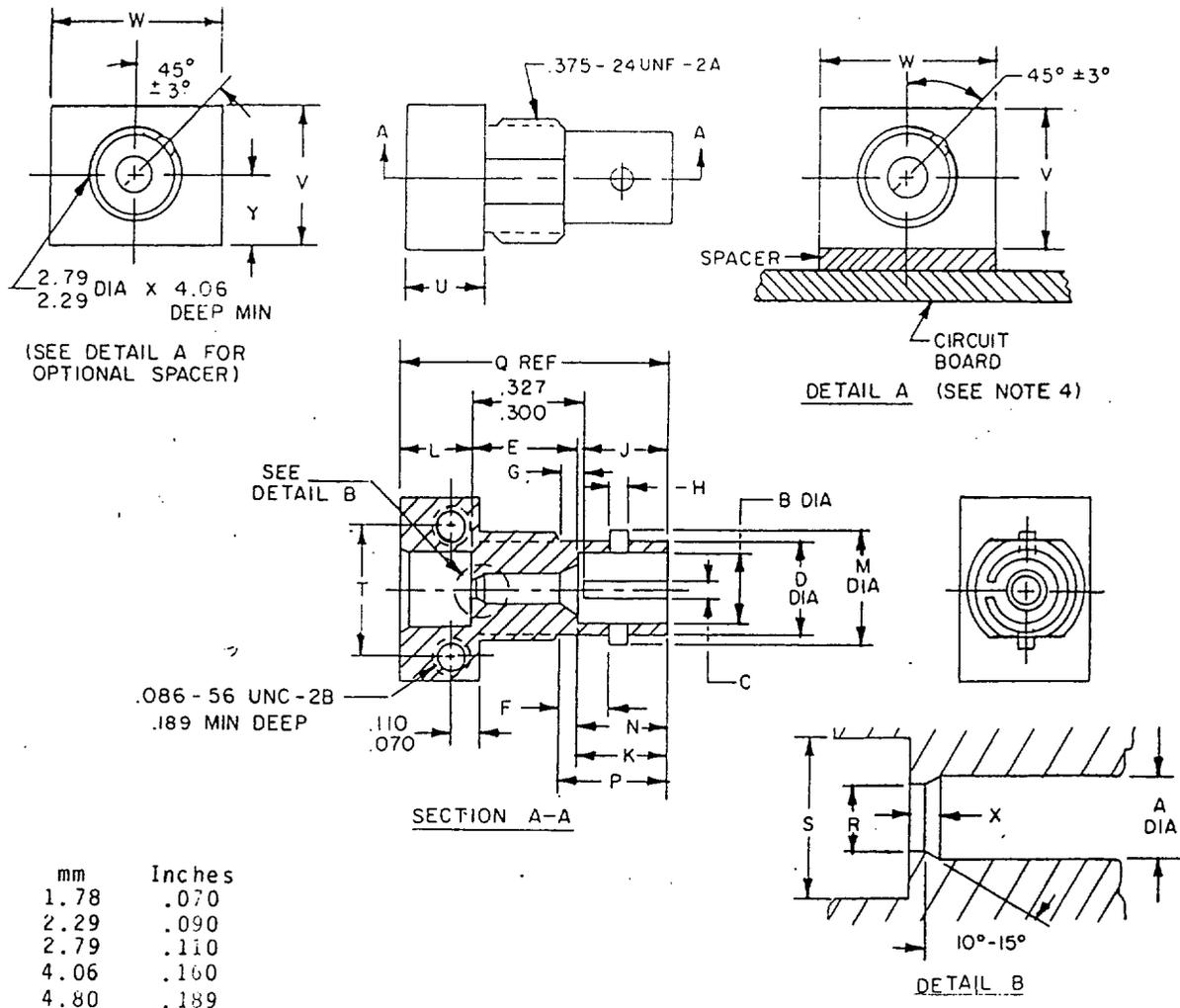
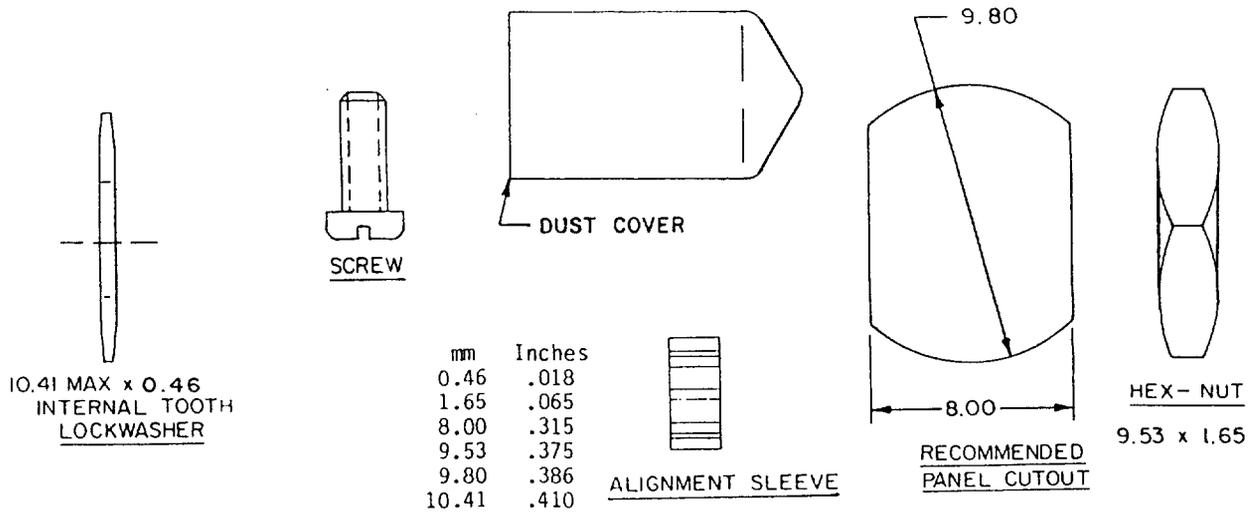


FIGURE 1. Dimensions and configuration.

Ltr	Millimeters		Inches	
	Min	Max	Min	Max
A (sm /mm)	2.498	2.500	.0983	.0984
A (mm)	2.498	2.501	.0983	.0985
B	5.64	5.82	.220	.229
C	1.12	1.32	.044	.065
D	6.91	7.04	.272	.277
E	7.75	7.80	.300	.307
F	5.03	5.33	.180	.226
G	1.14	1.65	.045	.065
H	1.47	1.57	.042	.062
J	6.85	6.98	.270	.275
K	7.24	7.34	.285	.290
L	5.21	5.46	.205	.215

Ltr	Millimeters		Inches	
	Min	Max	Min	Max
M	8.13	8.38	.320	.340
N	4.44	4.57	.145	.190
P	9.65	9.91	.380	.390
Q	20.37	20.6	.781	.810
R	1.91	2.01	.075	.85
S	5.74	5.84	.226	.230
T	9.40	9.65	.370	.380
U	5.21	5.46	.205	.235
V	9.45	9.70	.310	.420
W	12.6	12.8	.495	.505
X	0.152	0.203	.006	.008
Y	5.08	5.33	.200	.210



NOTES:

1. Dimensions are in millimeters.
2. Inches equivalents are given for general information only.
3. Tolerance is 0.38 mm (± 0.005 inch) unless otherwise specified.
4. This dimension may be held by use of a spacer to be supplied with receptacle.

FIGURE 1. Dimensions and configuration - Continued.

REQUIREMENTS:

Metals: The coupling bushing housing shall be of corrosion resistant steel in accordance with QQ-S-763, class 303/316L or nickel plated brass in accordance with QQ-B-626.

Dust covers: Shall be thermoplastic.

Hex nut: Shall be nickel plated brass or stainless steel.

Dimensions and configuration: See figure 1.

Optical requirements:

Optical loss (attenuation): Not applicable.

Weight: 20 grams maximum.

Safety wire holes: Not applicable.

Force to engage and disengage:

Longitudinal force: 4.5 pounds max.

Torque: 4.0 in-pounds max.

Coupling proof torque: Not applicable.

Coupling mechanism retention force: Not applicable.

Fiber optical cable: Not applicable.

Submersion: Not applicable.

Ozone exposure: Not applicable.

Fluid immersion: Applicable except cleaning of assembly is allowed before testing optically.

Temperature cycling: Applicable except 5 cycles, -55°C to +85°C.

Mating durability: Applicable except 500 cycles.

Part or Identifying Number (PIN) is a new term encompassing previous terms used in specifications such as part number, type designator, or identification number.

PIN: M83522/18 - X.

Temperature _____

Temperature: H - (High), N - (Normal).

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CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - EC
Air Force - 85

Review activities:

Navy - SH
Air Force - 17, 19, 71, 80, 90, 99
DLA - ES

User activities:

Navy - AS, MC, OS
Air Force - 13, 14, 80

Preparing activity:

Air Force - 85

Agent:

DLA - ES

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