

INCH-POUND
MIL-PRF-64266/17A
w/Amendment 1
1 December 2014
SUPERSEDING
MIL-PRF-64266/17A
24 June 2014

PERFORMANCE SPECIFICATION SHEET

CONNECTOR, RECEPTACLE, FIBER OPTIC, CIRCULAR,
MULTIPLE REMOVABLE TERMINI, DUMMY STOWAGE, SCREW THREADS,
ENVIRONMENT RESISTING

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

The requirements for acquiring fiber optic connectors described
herein shall consist of this specification sheet and MIL-PRF-64266.

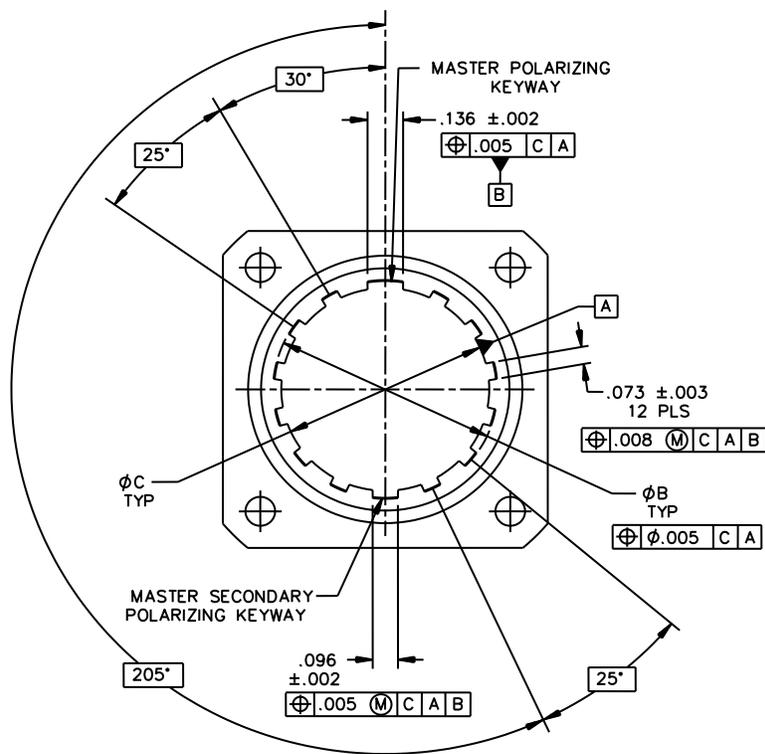
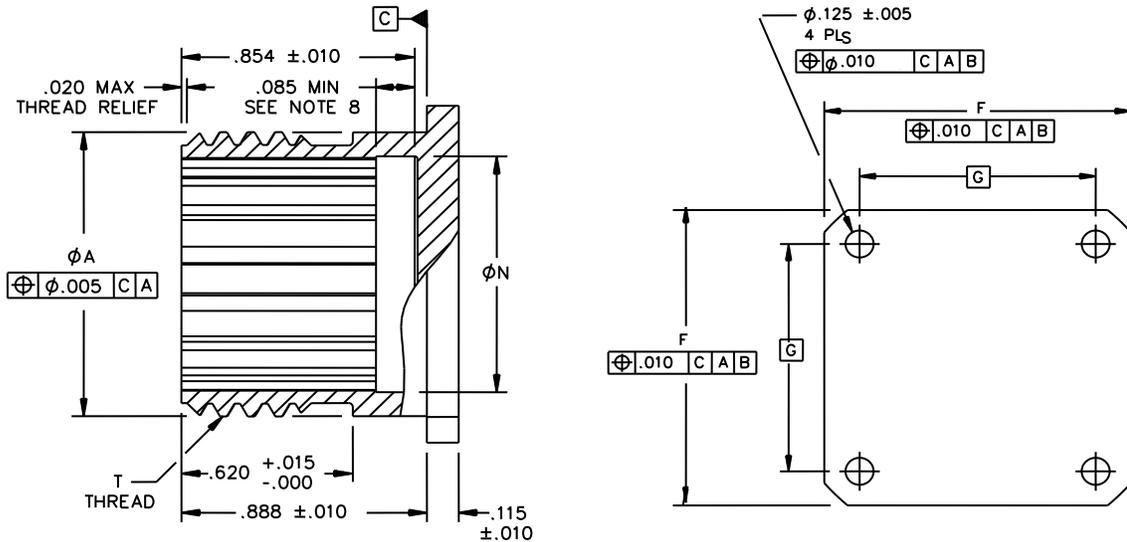


FIGURE 1. Dummy stowage receptacle.

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Shell size	T thread Class 2A	A diameter maximum		B diameter $\pm .004$	
		Inches	mm	Inches	mm
11	.750-.1P-.2L-D.S.	.750	19.05	.575	14.61
13	.875-.1P-.2L-D.S.	.875	22.26	.699	17.76
15	1.062-.1P-.2L-D.S.	1.062	28.55	.871	22.12
23	1.500-.1P-.2L-D.S.	1.500	38.10	1.294	32.87

Shell size	F		G		N diameter minimum	
	Inches	mm	Inches	mm	Inches	mm
11	1.023	25.98	.750	19.05	.585	14.86
13	1.138	28.91	.843	21.41	.709	18.01
15	1.258	31.95	.968	24.59	.881	22.38
23	1.718	43.64	1.281	32.54	1.304	33.12

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Dimensions apply to plated/finished part.
4. The connector interface dimensions shall be in accordance with figure A-2 of MIL-PRF-64266.
5. Mating key positions and dimensions are shown on figure A-3 of MIL-PRF-64266. For this dummy stowage receptacle, all 12 keying arrangements (8 for shell size 11) along with the master primary polarizing keyway (in the 12 o'clock position) and the master secondary polarizing keyway (in the 6 o'clock position) shall be provided. This keying arrangement ensures that cabling attached to a mating plug will not twist while mating to the dummy storage receptacle. Dummy stowage receptacle shall allow mating with a plug conforming to MIL-PRF-64266/2 containing any keying position (accommodate all 12 polarization positions within its shell size, 8 positions for shell size 11).
6. This design information establishes connector inter-mating criteria.
7. Dummy stowage receptacle is used when unmated plugs must be protected.
8. A conductive resilient member which will accommodate contact of connector plug shell and deflect down to .040 inch (1.02 mm) is specified as the standardized means to ensure shell to shell conductivity.

FIGURE 1. Dummy stowage receptacle - Continued.

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REQUIREMENTS:

Temperature ranges:

Operating: -67°F to 329°F (-55°C to 165°C)

Non-operating: -40°F to 185°F (-40°C to 85°C)

Storage: -40°F to 185°F (-40°C to 85°C)

Dimensions and configurations: See figure 1 herein and MIL-PRF-64266, figure A-2.

Weight: Weight shall not exceed the specified value in table I for the applicable shell size.

TABLE I. Dummy stowage receptacle weights.

Shell size	Composite		Aluminum		Stainless steel	
	ounces	grams	ounces	grams	ounces	grams
11	0.28	8.0	0.49	14.0	1.41	40.0
13	0.35	10.0	0.60	17.0	1.76	50.0
15	0.49	14.0	0.78	22.0	2.29	65.0
23	0.78	22.0	1.41	40.0	4.06	115.0

Flange: Flange on dummy stowage receptacle is solid (no penetrations or openings except the four flange mounting holes). There shall be no protrusion in the back of the flange (so as to permit mounting to a flush surface).

Gasket: Groove in back of flange to mechanically captivate a gasket/o-ring is not applicable.

Dust cover: A dust cover should be provided with each dummy stowage receptacle. The dust cover is obtained through a separate PIN in accordance with MIL-PRF-64266/11.

Qualification: Qualification shall consist of size, weight, identification markings, workmanship, screw threads, shell-to-shell conductivity, salt spray, modified SO₂/salt spray, thermal shock (composite material only), temperature life (composite material only), connector coupling engagement and disengagement torque. Testing shall be performed on a minimum of two dummy stowage receptacles.

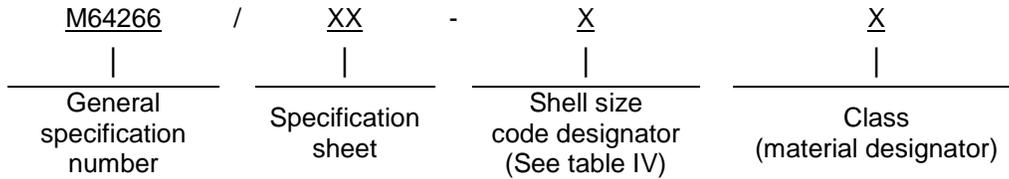
Qualification by similarity: Vendors that are qualified to MIL-PRF-64266/1 wall mounted receptacle and meet the size, weight, identification markings, and connector coupling engagement and disengagement torque are qualified to this specification sheet. This qualification by similarity is granted under the constraint that the same materials and processes are used to produce the product to this specification sheet as are used for MIL-PRF-64266/1. Testing shall be performed on a minimum of two dummy stowage receptacles.

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Cleaning procedures: Each shipment of connectors shall include recommended cleaning procedures. The following wording or equivalent is recommended "To clean, use lint free wipe dampened with alcohol and blow dry with air."

Marking:

Part or Identification Number (PIN). Mark on flange of dummy stowage receptacle.



Class (Material designator)

- A = Aluminum with conductive plating (see 3.3.2)
- B = CRES, passivated (see 3.3.2)
- C = Composite with conductive plating (see 3.3.2)
- D = Aluminum with non-conductive finish (see 3.3.2.3)
- E = Composite with non-conductive finish (see 3.3.2.3)

TABLE IV. PIN shell size code designator.

Shell size	Shell size code	Shell size	Shell size code
11	B	19	F
13	C	21	G
15	D	23	H
17	E	25	J

Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. 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.

Referenced documents. In addition to MIL-PRF-64266, this specification sheet references the following documents:

- MIL-PRF-64266/2
- MIL-PRF-64266/1
- MIL-PRF-64266/11

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CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - AS
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 6060-2014-063)

Review activities:

Army - TE
Navy - SH
Air Force - 13, 19, 93, 99
DIA - DI
MISC - MDA

Civil agencies:

GSA - FAS
NASA - NA

NOTE: The activities listed above were interested in this document on 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>.