

INCH-POUND

MIL-PRF-28876/26D
4 October 2004
SUPERSEDING
MIL-C-28876/26C
9 July 1992

PERFORMANCE SPECIFICATION SHEET

CONNECTORS, FIBER OPTIC, CIRCULAR, PLUG AND RECEPTACLE STYLE,
MULTIPLE REMOVABLE TERMINI, SCREW THREADS,
WALL MOUNTING, WITH SHORT BACKSHELL, NON-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-28876.

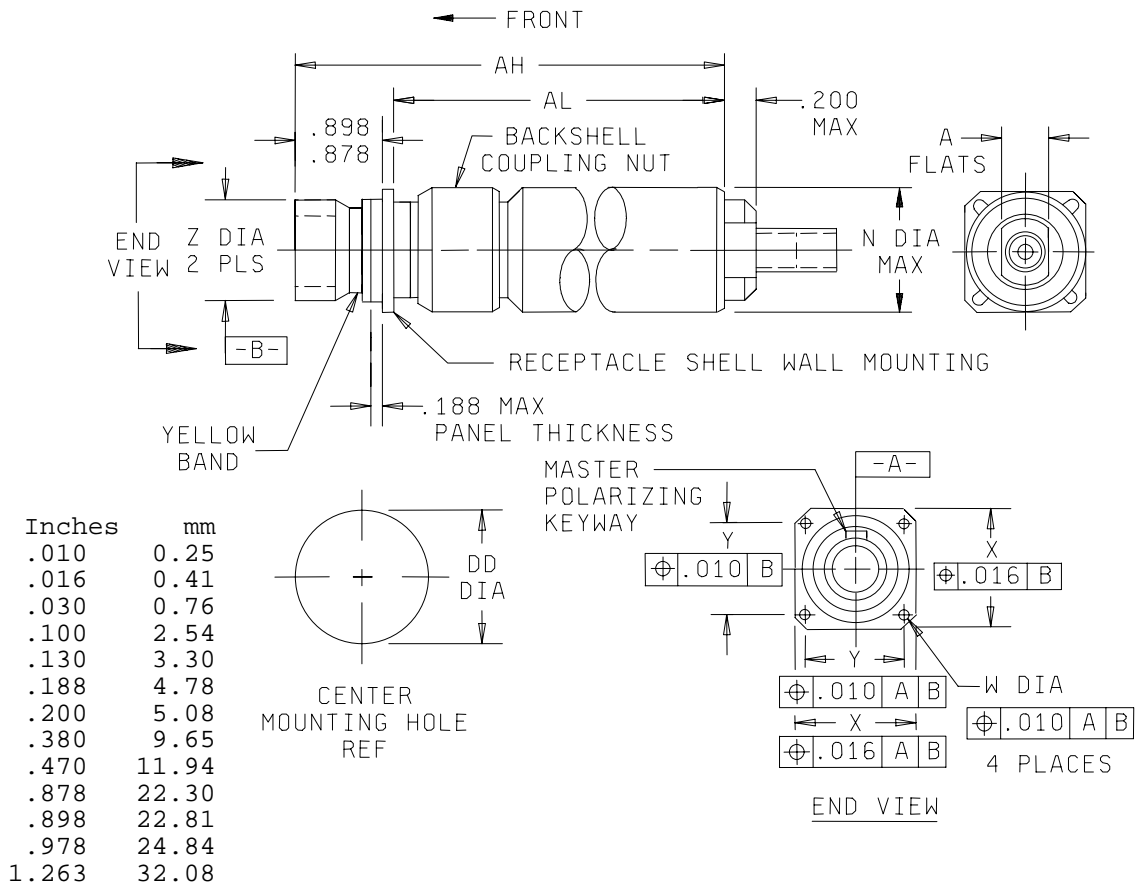


FIGURE 1. Wall mounting receptacle connector with short straight backshell.

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Shell size 6/	N dia max	W	X	DD dia ref	Z dia max
15	1.263 (32.08)	.130 (3.30)	1.278 (32.46)	1.124 (28.55)	1.062 (26.97)
		.115 (2.92)	1.238 (31.45)		

NN across flats	AH	AL max	A flats max	Y TIR	Insert figure 5/
1.153 (29.29)	4.613 (117.17)	3.60 (91.44)	.750 (19.05)	.968 (24.59)	B-3 or B-4
1.144 (29.06)	4.573 (116.15)				

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Metric equivalents (mm) are in parentheses.
4. Dimensions apply to plated/finished part.
5. For insert arrangement, see the indicated figure in appendix B of MIL-PRF-28876.
6. The color band shall be yellow and in accordance with EIA-359 for all shell sizes.
7. For mating key dimensions and configurations, see MIL-PRF-28876, figure A-3.

FIGURE 1. Wall mounting receptacle connector with short straight backshell - Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1 herein and MIL-PRF-28876, appendix A, figure A-2, figure A-6, and figure A-7.

Weight (without termini):

Shell size Weight (ounces (grams)), maximum

15 11.5 (326.025g)

Fiber optic cable:

Cable diameter: .315 ± .020 inch (8.00 ± 0.51 mm), or .425 ± .043 inch (10.75 ± 1.07 mm).

Protective caps: Each connector shall be supplied with protective caps over the front and rear portions of the connector.

Insert arrangement: See appendix B of MIL-PRF-28876 for desired shell size.

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Termini: Style P (pin) or S (socket). See MIL-PRF-29504/1, MIL-PRF-29504/2, MIL-PRF-29504/12, MIL-PRF-29504/13, MIL-PRF-29504/14, and MIL-PRF-29504/15 (For dummy terminus, see MIL-PRF-29504/3).

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".

Shell polarization: 1 through 6 keyway positions. See MIL-PRF-28876, appendix A, figure A-3.

Marking:

PIN: Marked on flange of receptacle (see table I).

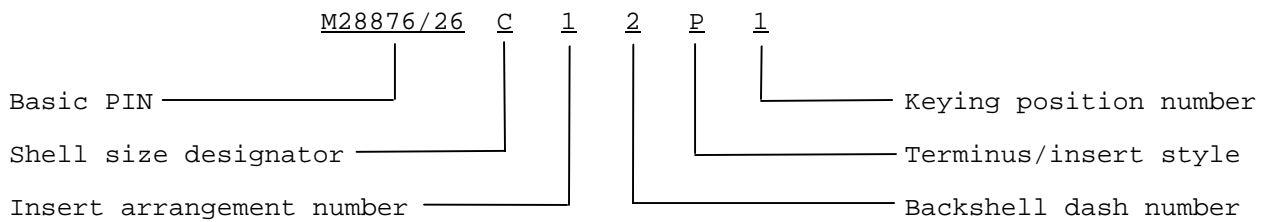


TABLE I. PIN designators.

Shell size	Designator	Insert arrangement number	Terminus/insert style	Key position	Maximum cable outer diameter in accordance with backshell dash number		
					-1	-2	-3
15	C	1 or 2	P or S	1, 2, 3, 4, 5, or 6	.515 (13.08)	.405 (10.29)	.375 (9.53)

Mating counterpart: Receptacle connectors specified in MIL-PRF-28876/1 through MIL-PRF-28876/5 and MIL-PRF-28876/11 through MIL-PRF-28876/14.

Installation and removal tools: As specified in NAVSEA drawing 6872813.

For qualified products listing, quality conformance, and periodic inspections, dummy termini shall be used in all unused cavities.

NOTES:

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

Referenced documents. In addition to MIL-PRF-28876, this specification sheet references the following documents:

MIL-PRF-28876/1	MIL-PRF-28876/2	MIL-PRF-28876/3
MIL-PRF-28876/4	MIL-PRF-28876/5	MIL-PRF-28876/11
MIL-PRF-28876/12	MIL-PRF-28876/13	MIL-PRF-28876/14
MIL-PRF-29504/1	MIL-PRF-29504/2	MIL-PRF-29504/3
MIL-PRF-29504/12	MIL-PRF-29504/13	MIL-PRF-29504/14
MIL-PRF-29504/15		
NAVSEA drawing 6872813		
EIA-359		

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - SH
Air Force - 11
DLA - CC

Preparing activity:

Navy-SH

Agent:

DLA - CC

Review activities:

Navy - AS
Air Force - 13, 19, 93, 99
DIA - DI
NASA - NA

(Project 6060-0144-16)

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 <http://www.dodssp.daps.mil/>.