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This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

Review activities: Army - MI, Navy - AS, Air Force - DLA-ES, 11, 99

Other activities: Navy MC, CG, SH, Navy MC, CG, SH, Navy MC, CG, SH

P A		International		TITLE		MILITARY STANDARD						
NAVY-EC				CONNECTORS, ELECTRIC, RECTANGULAR, MINIATURE, POLARIZED SHELL, RACK AND PANEL, SHELL, PLUG, PIN CONTACTS, CRIMP TYPE								
Other Cust AF-85 ARMY-CR						MS18271						
Procurement Specification MIL-C-24308				SUPERSEDES		PAGE 2 OF 4						
MS number	Shell size	A	B	C	1/D	E	F	G	H	J	K	L
MS18271-1	1	1.228 (.31.19)	.671 (.17.04)	.989 (.25.12)	.334 (.8.48)	.509 (12.93)	.432 (10.97)	.241 (6.12)	.769 (19.53)	.432 (10.97)	.060 (1.52)	.040 (1.02)
		1.198 (.30.43)	.661 (.16.79)	.979 (.24.87)	.324 (.8.23)	.479 (12.17)	.412 (10.46)	.229 (5.82)	.749 (19.02)	.412 (10.46)	.035 (0.89)	.020 (0.51)
MS18271-2	2	1.556 (.39.52)	.999 (.25.37)	1.317 (.33.45)	.334 (.8.48)	.509 (12.93)	.432 (10.97)	.241 (6.12)	1.093 (27.76)	.432 (10.97)	.060 (1.52)	.040 (1.02)
		1.526 (.38.76)	.989 (.25.12)	1.307 (.33.20)	.324 (.8.23)	.479 (12.17)	.412 (10.46)	.229 (5.82)	1.073 (27.25)	.412 (10.46)	.035 (0.89)	.020 (0.51)
MS18271-3	3	2.103 (.53.42)	1.539 (.39.09)	1.857 (.47.17)	.334 (.8.48)	.509 (12.93)	.436 (11.07)	.236 (5.99)	1.635 (41.53)	.432 (10.97)	.070 (1.78)	.049 (1.24)
		2.073 (.52.65)	1.529 (.38.84)	1.847 (.46.91)	.324 (.8.23)	.479 (12.17)	.416 (10.57)	.224 (5.69)	1.615 (41.02)	.412 (10.46)	.050 (1.27)	.029 (0.74)
MS18271-4	4	2.744 (.69.70)	2.187 (.55.55)	2.505 (.63.63)	.334 (.8.48)	.509 (12.93)	.436 (11.07)	.236 (5.99)	2.282 (57.96)	.432 (10.97)	.070 (1.78)	.049 (1.24)
		2.714 (.68.94)	2.177 (.55.30)	2.495 (.63.37)	.324 (.8.23)	.479 (12.17)	.416 (10.57)	.224 (5.69)	2.262 (57.45)	.412 (10.46)	.050 (1.27)	.029 (0.74)
MS18271-5	5	2.650 (.67.31)	2.084 (.52.93)	2.411 (.61.24)	.441 (11.20)	.620 (15.75)	.436 (11.07)	.236 (5.99)	2.188 (55.58)	.544 (13.82)	.070 (1.78)	.049 (1.24)
	2/	2.620 (.66.55)	2.074 (.52.68)	2.401 (.60.99)	.431 (10.95)	.590 (14.99)	.416 (10.57)	.224 (5.69)	2.168 (55.07)	.524 (13.31)	.050 (1.27)	.029 (0.74)
MS18271-6	6	2.744 (.69.70)	2.217 (.56.31)	2.505 (.63.63)	.508 (12.90)	.683 (17.35)	.436 (11.07)	.236 (5.99)	2.312 (58.72)	.606 (15.39)	.070 (1.78)	.049 (1.24)
		2.714 (.68.94)	2.207 (.56.06)	2.495 (.63.37)	.498 (12.65)	.653 (16.59)	.416 (10.57)	.224 (5.69)	2.292 (58.22)	.586 (14.88)	.050 (1.27)	.029 (0.74)

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Review activities: Army - MJ, Navy - AS, Air Force - 11, 99, DLA-ES

User activities: Army - AT, Navy - MC, CG, SH, Air Force

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MS number	Shell size	Dimensions										
		A	B	C	1/D	E	F	G	H	J	K	L
MS18271-7	1	Same as MS18271-1 except per detail B										
-8	2	MS18271-2										
-9	3	MS18271-3										
-10	4	MS18271-4										
-11	5	MS18271-5										
-12	6	MS18271-6										
-13	1	Same as MS18271-1 except per detail D										
-14	2	MS18271-2										
-15	3	MS18271-3										
-16	4	MS18271-4										
-17	5	MS18271-5										
-18	6	MS18271-6										

1/ Part numbers MS18271-7 through MS18271-12 are inactive.
For new design use MS18271-13 through MS18271-18.

2/ See note 9.

P A NAVY-EC Other Cust AF-B5 ARMY-CR	International Interest	TITLE CONNECTORS, ELECTRIC, RECTANGULAR, MINIATURE, POLARIZED SHELL, RACK AND PANEL, SHELL, PLUG, PIN CONTACTS, CRIMP TYPE	MILITARY STANDARD	
Procurement Specification MIL-C-24308	SUPERSEDES		MS18271	
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DD FORM 1 MAY 67 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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NOTES

1. Dimensions are in inches.
2. Metric equivalents are in parentheses.
3. Metric equivalents are given for general information only.
4. Insulator may project .375 (9.52 mm) maximum.
5. Wire insulation .072 (1.83 mm) maximum for arrangements MS18273-1, MS18274-1, MS18275-1, MS18276-1 and MS18277-1. Wire insulation .054 (1.37 mm) maximum for arrangements MS18273-2, MS18274-2, MS18275-2, MS18276-2, MS18277-2 and MS14004-1.
6. Pin diameter .041/.039 (1.04/0.99 mm) for arrangements MS18273-1, MS18274-1, MS18275-1, MS18276-1 and MS18277-1. Pin diameter .0305/.0295 (0.775/0.749 mm) for arrangements MS18273-2, MS18274-2, MS18275-2, MS18276-2, MS18277-2 and MS14004-1.
7. Patent notice. The Government has a royalty free license under the U.S. Patents listed below for the benefit of manufacturers of the items disclosed and described herein, either for the Government or for use in equipment delivered to the Government.

Patent numbers

2790153 expires April 23, 1974
3110093 expires November 12, 1980
3158424 expires November 24, 1981

8. Copyright notice. All information disclosed in this military standard which is or may be copyrighted by IIT Cannon Electric is reproduced herein with the express permission of the copyright owner.
9. "D" dimension for shell size 5 will change from .441 - .431 (11.20 - 10.95 mm) to .446 - .436 (11.33 - 11.07 mm) effective 1 July 1980.
10. Dimensions are .155 (3.94 mm) minimum full pin diameter extension (sizes 3 through 6) and .164 (4.17 mm) minimum full pin diameter extension (sizes 1 and 2).
11. In the event of a conflict between the text of this standard and the references cited herein, the text of this standard shall take precedence.
12. Referenced Government documents of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation form a part of this standard to the extent specified herein.

P A NAVY-EC Other Cust AF-85 ARMY-CR	International Interest	TITLE CONNECTORS, ELECTRIC, RECTANGULAR, MINIATURE, POLARIZED SHELL, RACK AND PANEL, SHELL, PLUG, PIN CONTACTS, CRIMP TYPE	MILITARY STANDARD MS18271
Procurement Specification MIL-C-24308	SUPERSEDES	PAGE 4 OF 4	