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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 - AR, SH
Navy - EC, SH
Air Force - 11, 17, 99

User activities: Army - AV
Navy - MC
Air Force -

<p>P.A. ARMY - CR</p> <p>Other Cust NAVY - AS AF - 85</p> <p>Procurement Specification MIL-C-26482</p>		<p>International Interest</p>	<p>TITLE CONNECTORS, PLUG ELECTRIC, RFI SHIELDED, SERIES 2, CRIMP TYPE, BAYONET COUPLING, CLASSES L, S, AND W</p> <p>SUPERSEDES: MS 3475 (NAVY) MIL-C-83723/42A MIL-C-83723/43A</p>	<p>MILITARY STANDARD</p> <p>MS 3475</p> <p>PAGE 1 OF 4</p>
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DD FORM 672 1 MAY 73 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5935-3465-5

APPROVED 1 APR 71 REVISED (D) 12 JUL 85

FED. SUP CLASS 5935

(D) "ENTIRE STANDARD REVISED"

MASTER KEY

3 TEETH
EQUALLY SPACED
120° Ø APART

MAX FULLY COUPLED.
INDICATOR (SEE SHEET
2 AND NOTE 4)

60°

A DIA MAX

SEE NOTE 7

1.230 MAX

F MAX (REF)

.320 MIN

200 MIN TOTAL
KNURL LENGTH

CONNECTOR IDENTIFICATION
(SEE NOTE 9)

MASTER
POLARIZING
KEY

DETAIL T

COUPLING RING REMOVED
FOR CLARITY

.029

.187 MAX (SIZES 8 THRU 18)

.218 MAX (SIZES 20 THRU 24)

R DIA
MIN
OVER
FINGERS

HARD INSERT

RESILIENT INSERT
FACE SEAL

.045 NO. 8 THRU NO. 18

.025 SHELL SIZE

.107 NO. 20 THRU NO. 24

.087 SHELL SIZE

.045 DIA NO. 20

.042

.065 DIA NO. 16

.101 DIA NO. 12

.008 MIN

.032

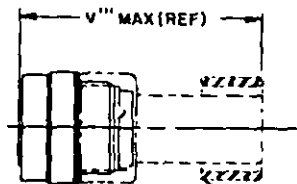
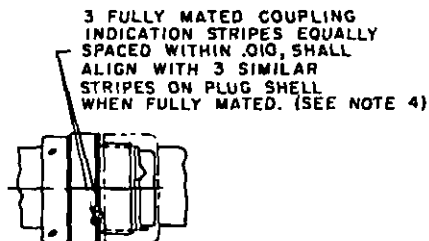
.269

.225

XX SEE NOTE 6 AND TABLE 1
FOR CONTACT CAVITIES
REQUIRING REDUCED
DIMENSION

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CRIMP SLEEVE NOT SUPPLIED
WITH CONNECTORASSEMBLED TO RFI BACKSHELL
(SEE NOTE 6)

COUPLED POSITION

Size	A	F	R	S	V'''	Max weight in lbs. *	
						Pin	Socket
8	.782 (19.86)	.887 (22.53)	.369 (9.37)	.363/.343 (9.22/8.71)	2.334 (59.28)	.0204 (.518)	.0216 (.549)
10	.926 (23.52)	.887 (22.53)	.497 (12.62)	.363/.343 (9.22/8.71)	2.334 (59.28)	.0406 (1.031)	.0421 (1.069)
12	1.043 (26.49)	.887 (22.53)	.614 (15.60)	.363/.343 (9.22/8.71)	2.334 (59.28)	.0505 (1.283)	.0536 (1.361)
14	1.183 (30.05)	.887 (22.53)	.739 (18.77)	.363/.343 (9.22/8.71)	2.334 (59.28)	.0639 (1.623)	.0692 (1.758)
16	1.305 (33.15)	.887 (22.53)	.864 (21.95)	.363/.343 (9.22/8.71)	2.334 (59.28)	.0788 (2.002)	.0880 (2.235)
18	1.391 (35.33)	.887 (22.53)	.969 (24.61)	.363/.343 (9.22/8.71)	2.334 (59.28)	.0864 (2.195)	.0957 (2.431)
20	1.531 (38.89)	.825 (20.96)	1.094 (27.79)	.425/.405 (10.80/10.29)	2.334 (59.28)	.1016 (2.581)	.1114 (2.830)
22	1.656 (42.06)	.825 (20.96)	1.219 (30.96)	.425/.405 (10.80/10.29)	2.334 (59.28)	.1241 (3.152)	.1363 (3.462)
24	1.777 (45.14)	.825 (20.96)	1.344 (34.14)	.425/.405 (10.80/10.29)	2.334 (59.28)	.1400 (3.556)	.1916 (4.867)

* Less contacts and accessories. Maximum weights do not apply to class S.

APPROVED 1 APR 71 REVISED (D) FOR CHANGES SEE PAGES 1, 2, 3, AND 4 12 JUL 85

P.A. ARMY-CR	International interest	TITLE CONNECTORS, PLUG ELECTRIC, RFI SHIELDED, SERIES 2, CRIMP TYPE, BAYONET COUPLING, CLASSES L, S, AND W	MILITARY STANDARD
Other Cust NAVY-AS AF-85			MS 3475
Procurement Specification MIL-C-26482		SUPERSEDES: MS 3475 (NAVY) MIL-C-83723/42A MIL-C-83723/43A	PAGE 2 OF 4

FED. SUP CLASS
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INCHES	MM	INCHES	MM
.008	0.20	.101	2.57
.010	0.25	.127	2.72
.025	0.64	.187	4.75
.029	0.74	.200	5.08
.032	0.81	.218	5.54
.042	1.07	.225	5.72
.045	1.14	.269	6.83
.046	1.17	.320	8.13
.065	1.66	.337	8.56
.069	1.75	.357	9.07
.087	2.21	.399	10.13
.097	2.46	.419	10.64
		1.230	31.24

TABLE I. Reduced diameters (XX).

Shell size	Insert arrangements	Contact cavities
8	-33 & -98	A, B, C
12	-10	C, G
14	-12	A, B, C, D, E, F, G, H
14	-18	A, C, E, G, J, L
14	-19	B, D, F, H, K, M
16	-26	A, B, C, D, E, F, G, H, J, K, L, M, N, P, R
18	-32	A, B, C, D, E, F, G, H, J, K, L, M, N, P, R, S, T
22	-41	A, B, C, D, E, F, G, H, J, K, L, M, N, P, R, S, T, U, V, W, X, Y

Connector part numbering

MS number MS3475 L 24 - 61 P W
 Class _____
 Shell size _____
 Insert arrangement _____
 Contact style _____
 Insert position _____

P.A. ARMY - CR

International
interestOther Cust
NAVY - AS
AF - 85Procurement Specification
MIL-C-26482TITLE CONNECTORS, PLUG
ELECTRIC, RFI SHIELDED, SERIES 2,
CRIMP TYPE, BAYONET COUPLING,
CLASSES L, S, AND WSUPERSEDES: MS 3475 (NAVY)
MIL-C-83723/42A MIL-C-83723/43A

MILITARY STANDARD

MS3475

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DD FORM 672
1 MAY 73

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NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerances are ± 0.005 (0.13 mm) for three place decimals and ± 0.01 (0.3 mm) for two place decimals, and angular tolerances are $\pm 0^\circ 1'$ and $0^\circ 0' \pm 30'$.
3. Color band: .070 \pm .031 wide, color blue.
4. Coupling indication indicator, color optional.
5. Connector assembly must be used with a backshell. Backshell must be procured separately. See MIL-C-85049 for applicable backshells.
6. Insert arrangements requiring reduced diameters for raised seal barriers or lead-in chamfer on outer row of contact cavities as indicated. (See table 1).
7. Intermateability and rear accessory interchangeability dimensions shall be in accordance with MIL-C-26482.
8. For insert arrangements see MIL-STD-1669.
9. Connector identification marking shall be in accordance with MIL-C-26482. Example: MS3475 L----, M83723-42 R---- (minimum height does not apply to shell sizes 8, 10 and 12.)
10. Class E cancelled and replaced by class L.
11. The complete requirements for procuring this connector described herein shall consist of this document and the issue in effect of MIL-C-26482.
12. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
13. Referenced documents shall be of the issue in effect on date of invitations for bids.
14. Metric equivalents are given for general information only.

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Other Cust NAVY - AS AF - 85			MS 3475
Procurement Specification MIL-C-26482		SUPERSEDES: MS 3475 (NAVY) MIL-C-83723/42A MIL-C-83723/43A	PAGE 4 OF 4