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Review activities: Army - AR  
 Navy - EC, SH  
 Air Force - 11, 17, 99

User activities: Army - AV  
 Navy - MC  
 Air Force - 4

P.A Army - CR Other Cust Navy - AS AF-85		International Interest	TITLE CONNECTORS, RECEPTACLE, ELECTRIC, SERIES 2, CRIMP TYPE, NARROW FLANGE MOUNT, BAYONET COUPLING, CLASSES A, L, S, AND W	MILITARY STANDARD <b>MS3470</b>
Procurement Specification MIL-C-26482		SUPERSEDES: MS3470 (Navy), MIL-C-83723/1B, MIL-C-83723/2B		PAGE 1 OF 4

DD FORM 1 MAY 73 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5935-3465-1

APPROVED 1 Apr 71 REVISED 12 Jul 85

FED. SUP CLASS 5935

① "ENTIRE STANDARD REVISED"

A MAX (TYP)  
 B (TYP)  
 MASTER KEYWAY  
 60°  
 H DIA (TYP) 4 HOLES  
 LOCATED WITHIN .0025  
 RAD OF (TP) AT (MMC) RELATIVE TO  
 R (MIL-C-26482) DIA AT (MMC) AND  
 RELATIVE TO MASTER KEYWAY WITHIN  
 .010 EITHER SIDE OF (TP) AT (MMC)

L MAX  
 F  
 G  
 MASTER POLARIZING KEYWAY  
 .216 MIN LENGTH OF KEYWAYS  
 SHELL SIZE 88 THRU 918  
 .278 MIN LENGTH OF KEYWAYS  
 SHELL SIZE 920 THRU 974  
 STATIC AREA  
 .140 MIN  
 SEE NOTE B  
 SEE NOTE 8  
 SEE NOTE 10  
 CONNECTOR IDENT. SEE NOTE 5  
 COLOR BAND TYPICAL 2 PLACES  
 SEE NOTE 5

FLANGE RELATIVE TO HOLES EQUAL WITHIN .015 8 PLACES  
 .738 MAX (REF) SIZE 88 THRU 918  
 .643 MAX (REF) SIZE 920 & 972  
 .608 MAX (REF) SIZE 974  
 3 TEETH EQUALLY SPACED 120° APART

MASTER KEYWAY  
 .06 WIDTH OF POLARIZING STRIP (SEE NOTE 4)  
 MIN EDGE DISTANCE RELATIVE TO MFG HOLES FOR SHELL SIZE 8 THRU 18 (.035) FOR SHELL SIZES 20, 22, & 24 (.050)

M DIA TYP 4 PLACES  
 E  
 K DIA  
 PANEL CUTOUT  
 MAX ACCOMMODATION FOR PANEL AND SCREW-HEAD  
 .087 SHELL SIZES 8 THRU 18  
 .212 SHELL SIZES 20 THRU 24  
 .125 MAX  
 BACKSHELL ACCESSORY NUT  
 MAX PANEL THICKNESS (TYP)

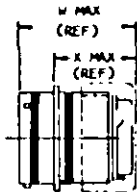
INCHES	M1
.0025	0.064
.010	0.25
.015	0.38
.035	0.89
.050	1.27
.060	1.52
.067	1.70
.087	2.21
.125	3.18
.140	3.56
.212	5.38
.216	5.49
.278	7.06
.608	15.44
.641	16.28
.738	18.75

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

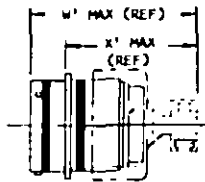
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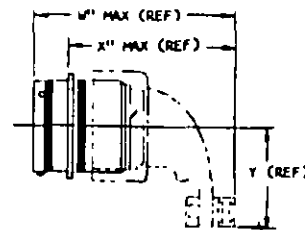
FED. SUP CLASS  
5935



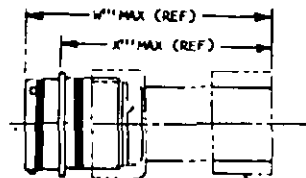
ASSEMBLED TO STRAIGHT  
BACKSHELL LESS STRAIN RELIEF  
(SEE NOTE 7)



ASSEMBLED TO STRAIGHT  
BACKSHELL WITH STRAIN RELIEF  
(SEE NOTE 7)



ASSEMBLED TO 90° BACKSHELL  
WITH STRAIN RELIEF  
(SEE NOTE 7)



CRIMP SLEEVE NOT SUPPLIED  
WITH CONNECTOR.

ASSEMBLED TO RFI BACKSHELL  
(SEE NOTE 7)

12 Jul 85

For changes see pages 1, 2, 3 and 4

REVISED

1 Apr 71

APPROVED

P.A. Army - CR

International  
Interest

Other Cust  
Navy - AS  
AF-85

TITLE CONNECTORS, RECEPTACLE, ELECTRIC,  
SERIES 2, CRIMP TYPE, NARROW FLANGE  
MOUNT, BAYONET COUPLING, CLASSES A,  
L, S, AND W

MILITARY STANDARD

MS3470

Procurement Specification  
MIL-C-26482

SUPERSEDES:  
MS3470 (Navy), MIL-C-83723/1B, MIL-C-83723/2B

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DD FORM 672  
1 MAY 73

(Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

P.A. Army - CR

Other Cust:  
Navy - AS  
AF-85Procurement Specification  
MIL-C-26482International  
InterestTITLE CONNECTORS, RECEPTACLE, ELECTRIC,  
SERIES 2, CRIMP TYPE, NARROW FLANGE  
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MILITARY STANDARD

MS3470

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Size	A	B	E	F	G	H	K	L	M
8	.828 (21.03)	.594 (15.08)	.589 / .599 (14.96) (15.21)	.462 / .431 (11.73) (10.95)	.078 / .046 (1.98) (1.17)	.120 (3.05)	.563 / .573 (14.30) (14.55)	1.215 (30.86)	.110 / .130 (2.79) (3.30)
10	.954 (24.23)	.719 (18.26)	.714 / .724 (18.14) (18.39)				.580 / .590 (17.27) (17.53)		
12	1.047 (26.59)	.812 (20.62)	.807 / .817 (20.50) (20.75)				.859 / .869 (21.82) (22.07)		
14	1.141 (28.98)	.906 (23.01)	.901 / .911 (22.89) (23.14)				.984 / .994 (24.99) (25.25)		
16	1.234 (31.34)	.969 (24.61)	.964 / .974 (24.49) (24.74)				1.108 / 1.118 (28.14) (28.40)		
18	1.328 (33.73)	1.062 (26.97)	1.057 / 1.067 (26.85) (27.10)	.462 / .431 (11.73) (10.95)	.078 / .046 (1.98) (1.17)		1.233 / 1.243 (31.32) (31.57)	1.215 (30.86)	
20	1.453 (36.91)	1.156 (29.36)	1.151 / 1.161 (29.24) (29.49)	.587 / .556 (14.91) (14.12)	.110 / .078 (2.79) (1.98)		1.358 / 1.368 (34.49) (34.75)	1.275 (32.39)	
22	1.578 (40.08)	1.250 (31.75)	1.245 / 1.255 (31.62) (31.88)	.587 / .556 (14.91) (14.12)	.110 / .078 (2.79) (1.98)	.120 (3.05)	1.483 / 1.493 (37.67) (37.92)	1.275 (32.39)	.110 / .130 (2.79) (3.30)
24	1.703 (43.26)	1.375 (34.93)	1.370 / 1.380 (34.80) (35.05)	.620 / .589 (15.75) (14.96)	.110 / .078 (2.79) (1.98)	.147 (3.73)	1.610 / 1.620 (40.89) (41.15)	1.275 (32.39)	.137 / .157 (3.48) (3.99)

Size	W	W'	W''	W'''	X	X'	X''	X'''	Y	Max. weight (lbs)* Pin Socket
8	1.492 (37.90)	1.842 (46.79)	2.115 (53.72)	2.339 (59.41)	1.061 (26.95)	1.411 (35.84)	1.684 (42.77)	1.920 (48.77)	.830 (21.08)	.0159 (0.404)
10		1.842 (46.79)	2.115 (53.72)			1.411 (35.84)	1.684 (42.77)		.880 (22.35)	.0227 (0.607)
12		1.842 (46.79)	2.250 (57.15)			1.411 (35.84)	1.819 (46.20)		.950 (24.13)	.0311 (0.937)
14		2.077 (52.76)	2.340 (59.44)			1.646 (41.81)	1.909 (48.49)		1.010 (25.65)	.0392 (1.227)
16		2.077 (52.76)	2.475 (62.87)			1.646 (41.81)	2.044 (51.92)		1.070 (27.18)	.0503 (1.547)
18	1.492 (37.90)	2.077 (52.76)	2.574 (65.30)	2.339 (59.41)	1.061 (26.95)	1.646 (41.81)	2.143 (54.43)	1.920 (48.77)	1.130 (28.70)	.0542 (1.755)
20	1.552 (39.42)	2.137 (54.28)	2.767 (70.28)	2.399 (60.93)	.996 (25.30)	1.581 (40.16)	2.211 (56.15)	1.855 (47.12)	1.190 (30.23)	.0598 (2.281)
22	1.552 (39.42)	2.137 (54.28)	2.890 (73.41)	2.399 (60.93)	.996 (25.30)	1.581 (40.16)	2.334 (59.28)	1.855 (47.12)	1.260 (32.00)	.0797 (2.769)
24	1.552 (39.42)	2.137 (54.28)	3.012 (76.50)	2.399 (60.93)	.963 (24.46)	1.548 (39.32)	2.423 (61.54)	1.822 (46.28)	1.320 (33.53)	.1048 (3.152)

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

APPROVED

1 Apr 71

REVISED

For changes see pages 1, 2, 3 and 4

12 Jul 85

FED. SUP CLASS  
5935

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 MS3470 L 24 - 61 P W  
 Class \_\_\_\_\_  
 Shell size \_\_\_\_\_  
 Insert arrangement \_\_\_\_\_  
 Contact style \_\_\_\_\_  
 Insert position \_\_\_\_\_

## NOTES:

- Dimensions are in inches.
- Unless otherwise specified, tolerances are  $\pm 0.005$  (0.13 mm) for three place decimals and  $\pm 0.01$  (0.3 mm) for two place decimals, angular tolerances are  $\pm 0^\circ \pm 1'$  and  $0^\circ 0' \pm 30'$ .
- True position (TP) tolerances specified are in accordance with ANSI Y14.5-1973.
- Polarizing stripe, color optional.
- Color band: .070  $\pm$  .031 wide, color blue. Band location must be such that it is visible when mounting.
- Insert arrangements requiring reduced diameters for raised seal barriers or lead-in chamfer on outer row of contact cavities as indicated. (See table I).
- Connector assembly must be used with a backshell. Backshell must be procured separately. See MIL-C-85049 for applicable backshells.
- Intermateability and rear accessory interchangeability dimensions shall be in accordance with MIL-C-26482.
- For insert arrangements see MIL-STD-1669.
- Connector identification marking shall be in accordance with MIL-C-26482.  
Example: MS3470 L----, M83723-01 R----, (minimum height does not apply to shell sizes 8, 10 and 12).
- Class E cancelled and replaced by class L.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- Referenced documents shall be of the issue in effect on date of invitations for bids.
- Metric equivalents are given for general information only.
- Metric equivalents are in parentheses.

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International  
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