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

FED. SUP CLASS  
 5935

FLANGE RELATIVE TO HOLES EQUAL WITHIN .015 8 PLACES

.758 MAX (REF) SIZE 88 THRU 818  
 .643 MAX (REF) SIZE 870 & 872  
 .608 MAX (REF) SIZE 874

MASTER KEYWAY

60°

A MAX (TYP)

B (TYP)

3 TEETH EQUALLY SPACED 120° APART

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)

MIN EDGE DISTANCE RELATIVE TO M16 HOLES FOR SHELL SIZE 8 THRU 18 (.035) FOR SHELL SIZES 20, 22, & 24 (.050)

.06 WIDTH OF POLARIZING STRIP (SEE NOTE 4)

MINOR POLARIZING KEYWAY

.216 MIN LENGTH OF KEYWAYS SHELL SIZE 88 THRU 818  
 .278 MIN LENGTH OF KEYWAYS SHELL SIZE 870 THRU 874  
 STATIC AREA

1.40 MIN

SEE NOTE 8

SEE NOTE 10

CONNECTOR IDENT. G

COLOR BAND TYPICAL 2 PLACES SEE NOTE 5

M DIA TYP 4 PLACES

E

K DIA

PANEL CUTOFF

MAX ACCOMMODATION FOR PANEL AND SCREW-HEAD  
 .087 SHELL SIZES 8 THRU 18  
 .217 SHELL SIZES 20 THRU 24

BACKSHELL ACCESSORY NUT

MAX PANEL THICKNESS (TYP)

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

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

(D) "ENTIRE STANDARD REVISED"

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

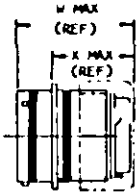
APPROVED 1 Apr 71 REVISED (D) 12 Jul 85

FED. SUP CLASS  
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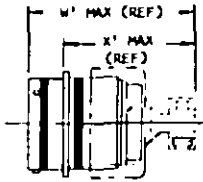
User activities: Army - AV  
Navy - MC  
Air Force -

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

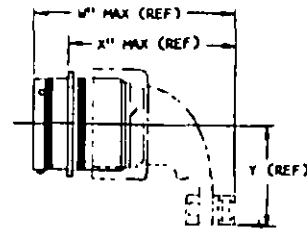
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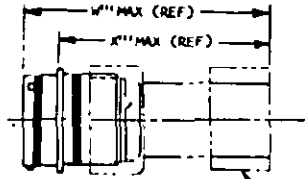
ASSEMBLED TO STRAIGHT BACKSHELL LESS STRAIN RELIEF (SEE NOTE 7)



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)

APPROVED 1 Apr 71 REVISED For changes see pages 1, 2, 3 and 4 12 Jul 85

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
			MS3470
Procurement Specification MIL-C-26482	SUPERSEDES: MS3470 (Navy), MIL-C-83723/1B, MIL-C-83723/2B	PAGE 2	OF 4

FED. SUP CLASS  
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User activities: Army - AV  
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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)	.0167 (0.424)
10		1.842 (46.79)	2.115 (53.72)			1.411 (35.84)	1.684 (42.77)		.880 (22.35)	.0227 (0.577)	.0239 (0.607)
12		1.842 (46.79)	2.250 (57.15)			1.411 (35.84)	1.819 (46.20)		.950 (24.13)	.0311 (0.790)	.0369 (0.937)
14		2.077 (52.76)	2.340 (59.44)			1.646 (41.81)	1.909 (48.49)		1.010 (25.65)	.0392 (0.996)	.0483 (1.227)
16		2.077 (52.76)	2.475 (62.87)			1.646 (41.81)	2.044 (51.92)		1.070 (27.18)	.0503 (1.278)	.0609 (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 (1.377)	.0699 (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)	.0698 (1.773)	.0898 (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 (2.024)	.1090 (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 (2.662)	.1241 (3.152)

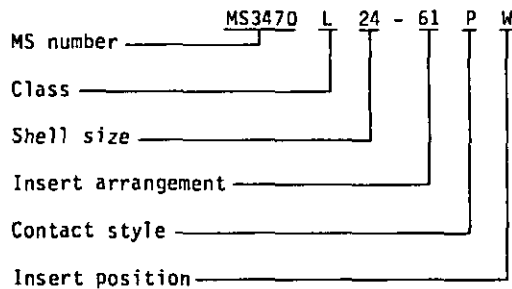
\*Less contacts and accessories. Maximum weights do not apply to class S.

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Other Cust Navy - AS AF-85			MS3470
Procurement Specification MIL-C-26482	SUPERSEDES: MS3470 (Navy), MIL-C-83723/1B, MIL-C-83723/2B		PAGE 3 OF 4

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:

## 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:  $.070 \pm 0.031$  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.

P.A Army - CR

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

MILITARY STANDARD

Other Cust  
Navy - AS  
AF-85

MS3470

Procurement Specification  
MIL-C-26482SUPERSEDES:  
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1 MAY 73

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