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

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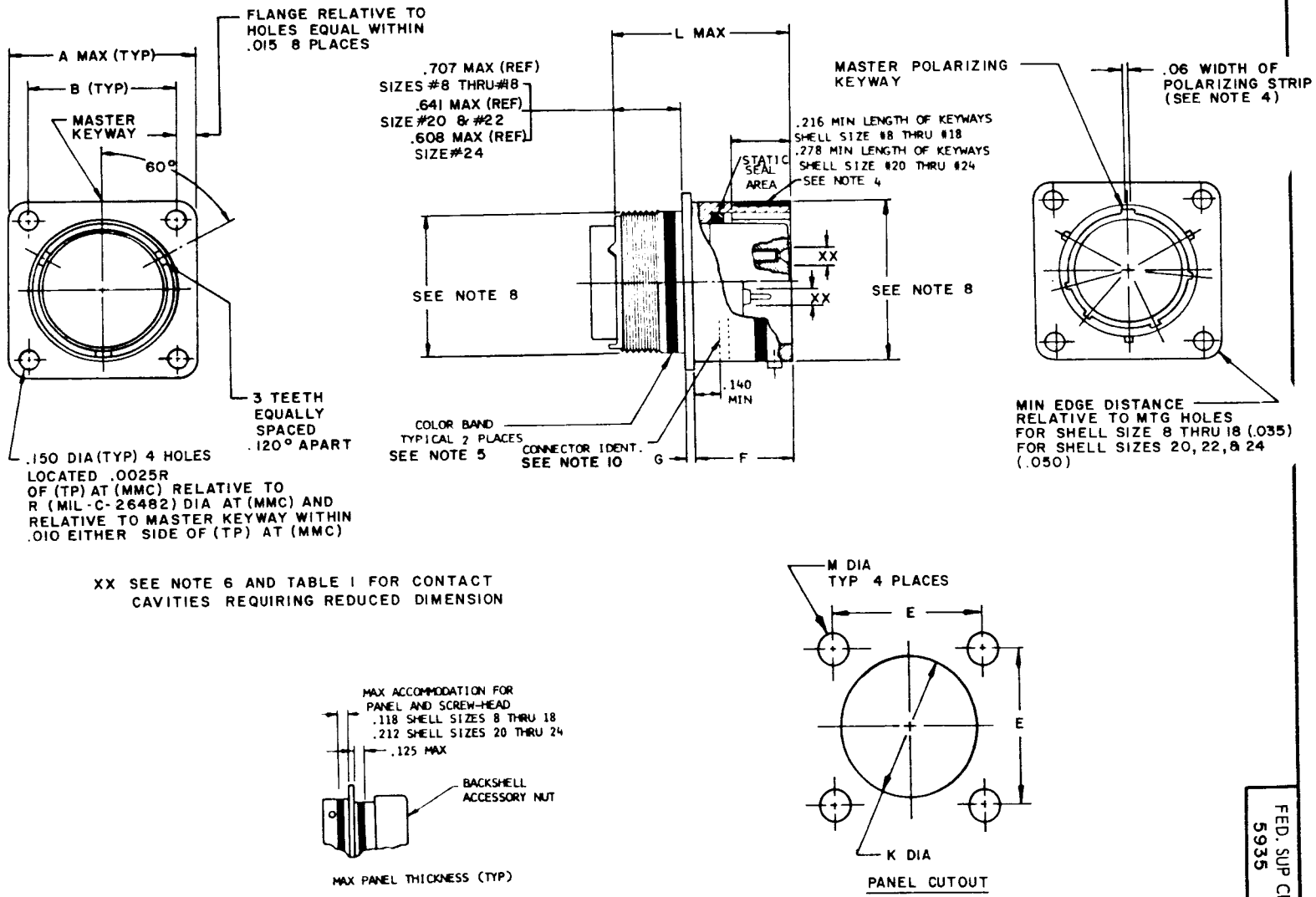


Ⓓ "ENTIRE STANDARD REVISED"

P.A ARMY-CR

Other Cust NAVY-AS AF-85

International interest

Procurement Specification MIL-C-26482

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

SUPERSEDES: MS3472 (NAVY) MIL-C-83723/3B MIL-C-83723/4B

MILITARY STANDARD

MS 3472

PAGE 1 OF 5

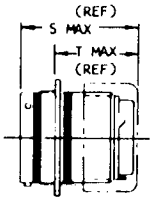
FED. SUP CLASS 5935

APPROVED 1 APR 71 REVISED Ⓓ 12 Jul 85

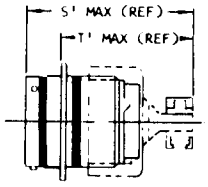
DD FORM 1 MAY 73 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5935-3465-3

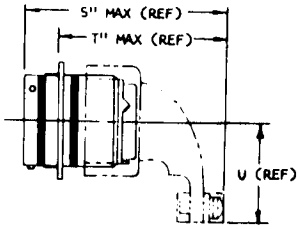
INCHES	MM
.0025	0.064
.015	0.38
.035	0.89
.050	1.27
.06	1.5
.118	3.00
.125	3.18
.150	3.81
.212	5.38
.216	5.49
.278	7.06
.608	15.44
.641	16.28
.707	17.96



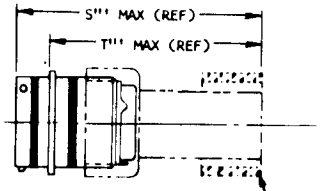
ASSEMBLED TO STRAIGHT BACKSHELL LESS STRAIN RELIEF (SEE NOTE 7)



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 (D) FOR CHANGES SEE PAGES 1,2,3,4, AND 5 12 Jul 85

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

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

Size	A	B	E	F	G	K	L	M	S	S'
8	1.065 (27.05)	.734 (18.64)	.734 (18.64)	.493/.462 (12.52/11.73)	.078/.046 (1.98/1.17)	.563/.573 (14.30/14.55)	1.215 (30.86)	.140/.160 (3.56/4.06)	1.492 (37.90)	1.842 (46.79)
10	1.141 (28.98)	.812 (20.62)	.812 (20.62)			.680/.690 (17.27/17.53)				1.842 (46.79)
12	1.266 (32.16)	.938 (23.83)	.938 (23.83)			.859/.869 (21.82/22.07)				1.842 (46.79)
14	1.360 (34.54)	1.031 (26.19)	1.031 (26.19)			.984/.994 (24.99/25.25)				2.077 (52.76)
16	1.453 (36.91)	1.125 (28.58)	1.125 (28.58)			1.108/1.118 (28.14/28.40)				2.077 (52.76)
18	1.532 (38.91)	1.203 (30.56)	1.203 (30.56)	.493/.462 (12.52/11.73)	.078/.046 (1.98/1.17)	1.233/1.243 (31.32/31.57)	1.215 (30.86)		1.492 (37.90)	2.077 (52.76)
20	1.688 (42.88)	1.297 (32.94)	1.297 (32.94)	.587/.556 (14.91/14.12)	.110/.078 (2.79/1.98)	1.358/1.368 (34.49/34.75)	1.275 (32.39)		1.552 (39.42)	2.137 (54.28)
22	1.766 (44.86)	1.375 (34.93)	1.375 (34.93)	.587/.556 (14.91/14.12)	.110/.078 (2.79/1.98)	1.483/1.493 (37.67/37.92)	1.275 (32.39)		1.552 (39.42)	2.137 (54.28)
24	1.891 (48.03)	1.500 (38.10)	1.500 (38.10)	.620/.589 (15.75/14.96)	.110/.078 (2.79/1.98)	1.610/1.620 (40.89/41.15)	1.275 (32.39)	.140/.160 (3.56/4.06)	1.552 (39.42)	2.137 (54.28)

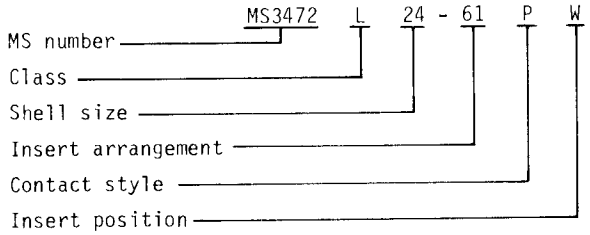
Size	S"	S"'	T	T'	T"	T"'	U	Max weight (lbs)* Pin	Socket
8	2.115 (53.72)	2.339 (59.41)	1.030 (26.16)	1.380 (35.05)	1.653 (41.99)	1.920 (48.77)	.830 (21.08)	.0190 (.483)	.0200 (.508)
10	2.115 (53.72)	↑	↑	1.380 (35.05)	1.653 (41.99)	↑	.880 (22.35)	.0244 (.620)	.0258 (.655)
12	2.250 (57.15)	↕	↕	1.380 (35.05)	1.788 (45.42)	↕	.950 (24.13)	.0375 (.953)	.0406 (1.031)
14	2.340 (59.44)	↕	↕	1.615 (41.02)	1.878 (47.70)	↕	1.010 (25.65)	.0449 (1.140)	.0502 (1.275)
16	2.475 (62.87)	↓	↓	1.615 (41.02)	2.013 (51.13)	↓	1.070 (27.18)	.0547 (1.389)	.0667 (1.694)
18	2.574 (65.38)	2.339 (59.41)	1.030 (26.16)	1.615 (41.02)	2.112 (53.64)	1.920 (48.77)	1.130 (28.70)	.0685 (1.740)	.0790 (2.006)
20	2.767 (70.28)	2.399 (60.93)	.996 (25.30)	1.581 (40.16)	2.211 (56.16)	1.855 (47.12)	1.190 (30.23)	.0851 (2.162)	.0979 (2.487)
22	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)	.0968 (2.459)	.1128 (2.865)
24	3.012 (76.50)	2.399 (60.93)	.996 (25.30)	1.548 (39.32)	2.423 (61.54)	1.822 (46.28)	1.320 (33.53)	.1142 (2.900)	.1341 (3.406)

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

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:
1. Dimensions are in inches.
2. Unless otherwise specified, tolerances are ±.005 (0.13 mm) for three place decimals and ±.01 (0.3 mm) for two place decimals, and angular tolerances are ±0° ±1° and 0° 0' ±30'.
3. True position (TP) tolerances specified are in accordance with ANSI Y14.5-1973.
4. Polarizing stripe, color optional.
5. Color band: .070 ±.031 wide, color blue. Band location must be such that it is visible when mounted.
6. Insert arrangements requiring reduced diameters for raised seal barriers or lead-in chamfer on outer row of contact cavities as indicated. (See table I).
7. Connector assembly must be used with a backshell. Backshell must be procured separately. See MIIL-C-85049 for applicable backshells.
8. Intermateability and rear accessory interchangeability dimensions shall be in accordance with MIL-C-26482.
9. For insert arrangements see MIL-STD-1669.
10. Connector identification marking shall be in accordance with MIL-C-26482. Example: MS3472 L----, M83723-04 R----, (minimum height does not apply to shell sizes 8, 10 and 12).
11. Class E cancelled and replaced by class L.
12. The complete requirements for procuring this connector described herein shall consist of this document and the issue in effect of MIL-C-26482.
13. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
14. Referenced documents shall be of the issue in effect on date of invitations for bids.
15. Metric equivalents are given for general information only.
16. Metric equivalents are in parentheses.

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