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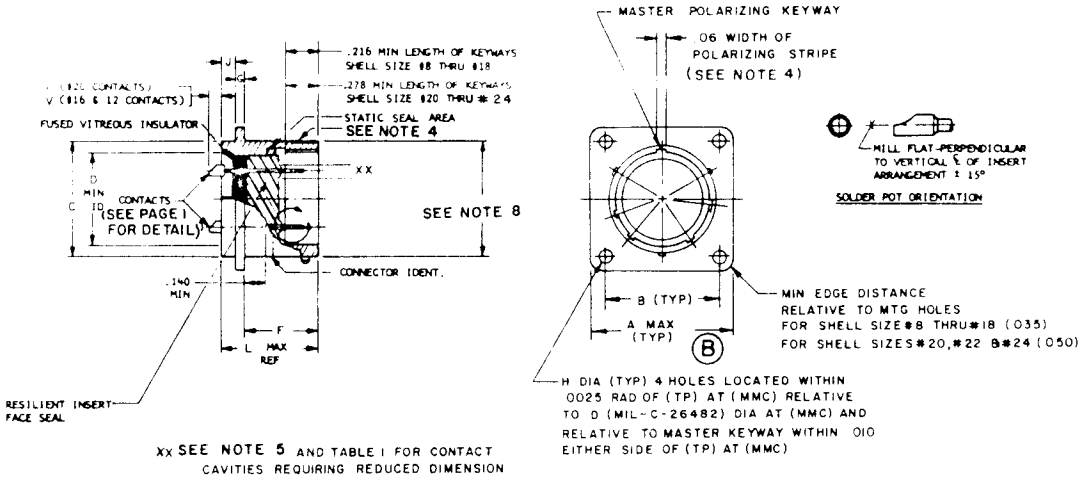
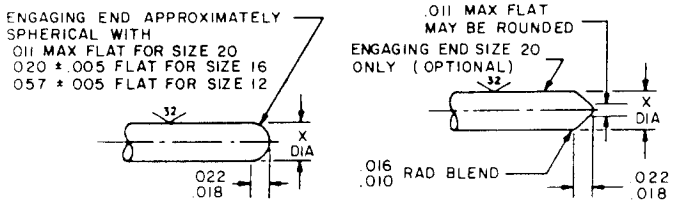


ENGAGING END OF CONTACTS



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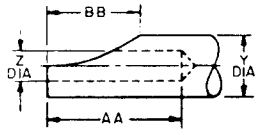
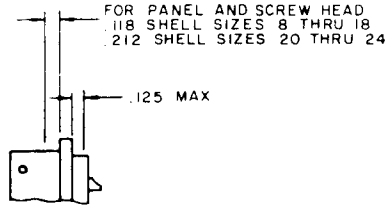


MAX PANEL THICKNESS (TYP)



(B) Denotes changes

APPROVED 1 Apr 71 REVISED (A) 5 SEPT 1975 (B) 31 July 1978

User activities: Army AV, Navy, Air Force

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

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P.A Navy - AS Other Cus Army - EL AF - 85	International interest	TITLE CONNECTORS, RECEPTACLE, ELECTRIC, SERIES 2, WIDE FLANGE MOUNTING, BAYONET COUPLING, SOLDER PIN CONTACT, CLASS H	MILITARY STANDARD MS 3442
Procurement Specification MIL-C-26482		SUPERSEDES MS3442 (NAVY)	PAGE 1 OF 3

DD FORM 1 SEP 63 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5935-3006-12

TABLE I. Reduced diameter (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:

MS3442 H 24 C 61 P W

- MS number
- Class
- Shell size
- Termination type and shell material
- Insert arrangement
- Contact style
- Insert position

TABLE II.

Shell size	A	B	C	D	F	G	H	J	L	P	V	Panel cutout dia	Max weight (lbs)
8	1.065	.734	.563/.557	.403	.598/.578	.078/.046	.150	.125/.105	.801	.178/.118	.248/.188	.570	Data supplied in future revision
10	1.141	.812	.673/.667	.515	↓	↓	↓	↓	↓	↓	↓	.650	
12	1.266	.938	.782/.776	.630								.789	
14	1.360	1.031	.907/.901	.755								.914	
16	1.453	1.125	1.032/1.026	.880	↓	↓		↓	↓	↓		1.039	
18	1.532	1.203	1.157/1.151	.980	.598/.578	.078/.046		.125/.105	.801	↓	↓	1.164	
20	1.688	1.297	1.251/1.245	1.105	.660/.640	.110/.078		.093/.073	.863	.178/.118	.248/.188	1.258	
22	1.766	1.375	1.376/1.370	1.230	.660/.640	.110/.078	↓	.125/.105	.895	.146/.086	.216/.156	1.383	
24	1.891	1.500	1.501/1.495	1.385	.660/.640	.110/.078	.150	.125/.105	.895	.146/.086	.216/.156	1.508	

APPROVED 1 Apr 71 REVISED (A) Entire standard revised (B) For changes see pages 1 & 3

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

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Cont size	X	Y	Z	AA	BB
20	.041/.039	.088/.061	.048 .042	.188/.109	.110/.068
16	.0635/.0615	.116/.096	.075/.069	.251/.172	.141/.109
12	.095/.093	.150/.130	.122/.112	.251/.172	.141/.109

INCHES	MM	INCHES	MM	INCHES	MM
.0025	.064	.150	3.81	.914	23.22
.010	.25	.156	3.96	.938	23.83
.016	.41	.172	4.37	1.026	26.06
.018	.46	.178	4.52	1.031	26.19
.022	.56	.188	4.78	1.032	26.21
.039	.99	.216	5.49	1.039	26.39
.041	1.04	.248	6.30	1.065	27.05
.042	1.07	.251	6.38	1.105	28.07
.046	1.17	.403	10.24	1.125	28.58
.048	1.22	.515	13.08	1.141	28.98
.061	1.55	.557	14.15	1.151	29.24
.0615	1.562	.563	14.30	1.157	29.39
.0635	1.613	.570	14.48	1.164	29.57
.068	1.73	.578	14.68	1.203	30.56
.069	1.75	.580	14.73	1.230	31.24
.073	1.85	.598	15.19	1.245	31.62
.075	1.90	.630	16.00	1.251	31.78
.078	1.98	.640	16.26	1.258	31.95
.086	2.18	.660	16.76	1.266	32.16
.088	2.24	.667	16.94	1.297	32.94
.093	2.36	.673	17.09	1.360	34.54
.095	2.41	.680	17.27	1.375	34.92
.096	2.44	.734	18.64	1.376	34.95
.105	2.67	.755	19.18	1.383	35.13
.109	2.77	.776	19.71	1.385	35.18
.110	2.79	.782	19.86	1.453	36.91
.112	2.84	.789	20.04	1.495	37.97
.116	2.95	.801	20.35	1.500	38.10
.118	3.00	.812	20.62	1.501	38.13
.125	3.18	.863	21.92	1.508	38.30
.130	3.30	.880	22.35	1.532	38.91
.141	3.58	.901	22.89	1.766	44.86
.146	3.71	.907	23.04	1.891	48.03

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
3. Tolerances shall be .XX ±.01, .XXX ±.005, angular ±1° and X°X' ±30'.
4. Polarizing stripe, color optional.
5. Insert arrangements requiring reduced diameters for raised seal barriers on outer row of contact cavities as indicated. (See table I).
6. True position tolerances specified are in accordance with ANSI Y14.5-1973.
7. For insert arrangement see MIL-STD-1669.
8. Intermateability dimensions shall be in accordance with MIL-C-26482.
9. Shell material: Cold rolled steel per QQ-S-637.
10. (B) Shell finish: .0001 minimum tin per MIL-T-10727 over nickel per QQ-N-290.
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 bid.

APPROVED 1 Apr 71 REVISED (A) Entire standard revised (B) For changes see pages 1 & 3

User activities: Army AV Navy Air Force

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Procurement Specification MIL-C-26482		SUPERSEDES: MS3442 (NAVY)	PAGE 3 OF 3

DD FORM 1 SEP 63 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 5935-3006-12

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