

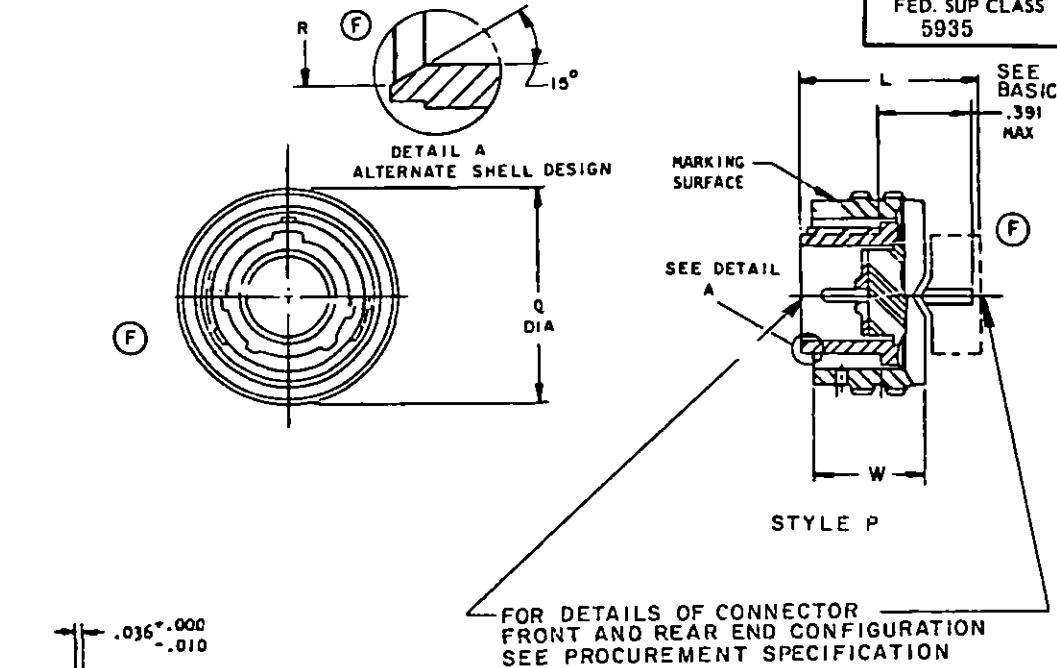
User activities:

Army -
Navy -
Air Force -

Reviewer activities:

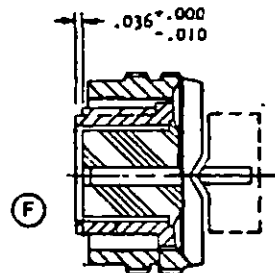
Army -
Navy - EC
Air Force - 11, 15, 17, 80
DSA - ES

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.

FED. SUP CLASS
5935SEE
BASIC
.391
MAXMARKING
SURFACE

SEE DETAIL

STYLE P

FOR DETAILS OF CONNECTOR
FRONT AND REAR END CONFIGURATION
SEE PROCUREMENT SPECIFICATION

STYLE S

CLASS E

SHELL SIZE	K MAX REF	Q MAX DIA	R + .005 - .008 DIA	W ± .015
8	.115	.750	.316	.547
10		.859	.436	
12		1.031	.549	
14		1.156	.675	
16		1.281	.799	
18	.109	1.406	.893	.524
20		1.531	1.018	
22		1.641	1.143	
24		1.766	1.268	.575

EXAMPLE OF PART NUMBER

MS NO.	CLASS	SHELL SIZE	FINISH (COLOR)	INSERT ARR. NUMBER	STYLE (P OR S)	POLARIZATION NO LETTER REQUIRED FOR NORMAL
MS27500	E	24	F	61	P	A

INACTIVE FOR DESIGN

(F) FOR CHANGES SEE SHEETS 182

P.A. AF-85	International Interest	TITLE CONNECTOR, PLUG, ELECTRICAL, 90° ELBOW, CRIMP TYPE, BAYONET COUPLING, SERIES II.	MILITARY STANDARD
Other Cust ARMY EL NAVY AS			MS27500
Procurement Specification MIL-C-38999	SUPERSEDES:		SHEET 1 OF 2

DD FORM 1 SEP 63 672

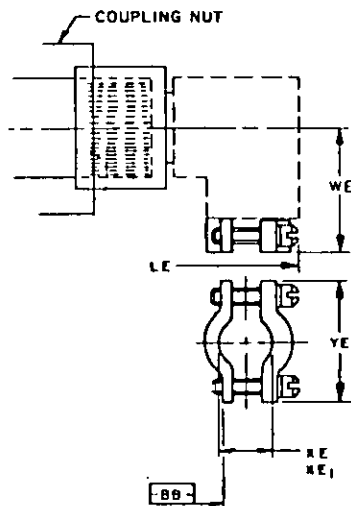
(Coordinated) - PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5935-2005-41

APPROVED 1 AUG 67 REVISED D 13 AUG 74 E 16 JAN 1975 F 2 JAN 1976

FED. SUP CLASS
5935

CLASS E



SHELL SIZE	LE MAX OVER-ALL LENGTH	WE MAX	XE MIN CABLE	XE1 MAX CABLE	YE MAX
8	1.859	1.000	.082	.234	.828
10	1.859	1.032	.082	.234	.891
12	1.938	1.094	.114	.328	1.016
14	2.125	1.219	.176	.457	1.141
16	2.281	1.281	.238	.634	1.255
18	2.312	1.344	.208	.614	1.469
20	2.375	1.375	.302	.698	1.550
22	2.531	1.438	.302	.823	1.675
24	2.828	1.719	.332	.853	1.800

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.005	.13	.316	8.03	.750	19.05	1.141	28.98	1.641	41.68
.006	.15	.328	8.33	.799	20.29	1.143	29.03	1.675	42.55
.010	.25	.332	8.43	.823	20.90	1.156	29.36	1.719	43.66
.015	.38	.391	9.93	.828	21.03	1.219	30.96	1.766	44.86
.036	.91	.436	11.07	.853	21.67	1.255	31.88	1.800	45.72
.082	2.08	.457	11.61	.859	21.82	1.268	32.21	1.859	47.22
.109	2.77	.524	13.31	.891	22.63	1.281	32.54	1.938	49.23
.114	2.90	.547	13.89	.893	22.68	1.344	34.14	2.125	53.98
.155	3.94	.549	13.94	1.000	25.40	1.375	34.93	2.281	57.94
.176	4.47	.575	14.61	1.016	25.81	1.406	35.71	2.312	58.72
.208	5.28	.614	15.60	1.018	25.86	1.438	36.53	2.375	60.33
.234	5.94	.634	16.10	1.031	26.19	1.469	37.31	2.531	64.29
.238	6.05	.675	17.15	1.032	26.21	1.531	38.89	2.828	71.83
.302	7.67	.698	17.73	1.094	27.79	1.550	39.37		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
3. For main keyway and keyway positions, see MIL-C-38999.
4. Dimensions LE and XE are applicable when the end of the screw is flush with surface BB.
5. For design feature purposes this standard takes precedence over documents referenced herein.
6. Referenced documents shall be of the issue in effect on date of invitation for bid.

P.A. AF-85	International Interest	TITLE CONNECTOR, PLUG, ELECTRICAL, 90° ELBOW, CRIMP TYPE, BAYONET COUPLING, SERIES II.	MILITARY STANDARD
Other Cust ARMY-EL NAVY-AS			MS27500
Procurement Specification MIL-C-38999		SUPERSEDES:	SHEET 2 OF 2

User activities:
Army -
Navy -
Air Force - 11, 15, 17, 80
DSA - ES

Reviewer activities:
Army -
Navy - EC
Air Force - 11, 15, 17, 80
DSA - ES

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.

APPROVED 1 Aug 67 (F) FOR CHANGES SEE SHEETS 1 and 2