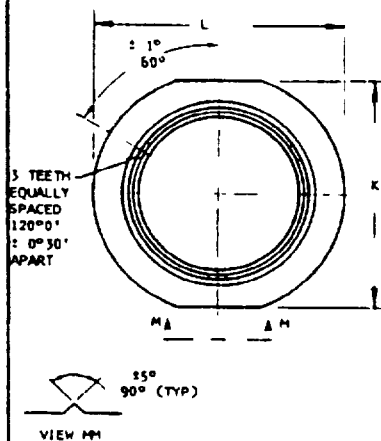
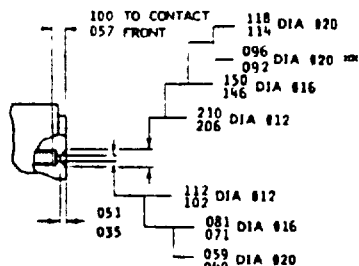
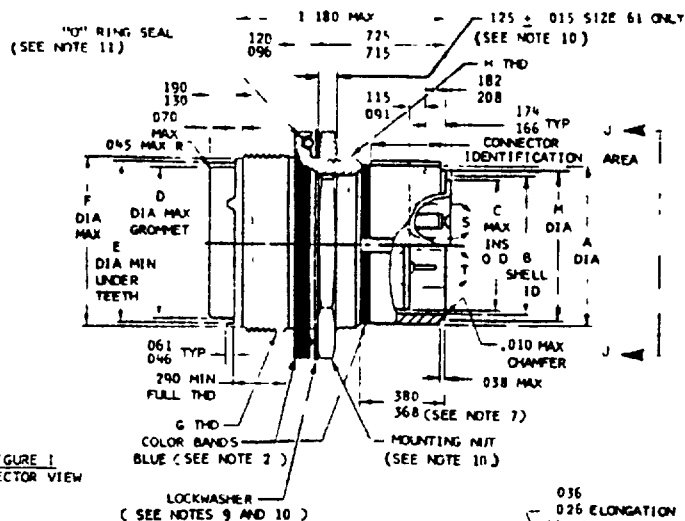
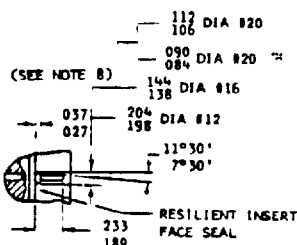
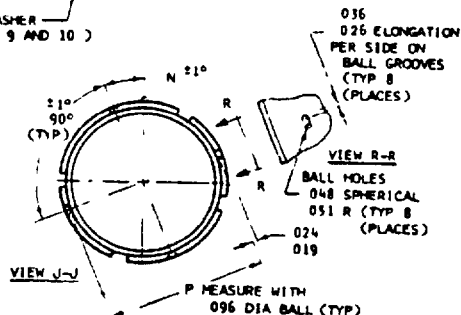


FED SUP CLASS
5935FIGURE 1
CONNECTOR VIEW

DETAIL S



DETAIL T



PANEL CUTOUT

PART NUMBER

EXAMPLE MS 3464

MS NUMBER

CLASS

SHELL SIZE

INSERT

ARRANGEMENT

E

19

50

P

B

ALTERNATE

INSERT

POSITION

CONTACT

STYLE

100 ON OUTER ROW CONTACTS
OF INSERT ARRANGEMENTS
INDICATED IN CHARTINSERT ARRANGEMENTS REQUIRING REDUCED
DIAMETERS FOR SOCKET CONTACT CHAMFER
LEAD-INS AND PIN CONTACT RAISED SEAL
BARRIERS

SHELL SIZE	INSERT ARRANGE- MENTS	CONTACT CAVITIES
12	12-50	5, 6, 8, 9, 11 AND 12

P A NAVY-AS	International Interest	TITLE CONNECTOR, RECEPTACLE, ELECTRIC, CRIMP TYPE, JAM NUT MOUNTING, PUSH-PULL COUPLING, SERIES 3 (CLASS L AND E)	MILITARY STANDARD
Other Cust			MS 3464(NAVY)
Procurement Specification MIL-C-81703		SUPERSEDES:	SHEET 1 OF 4

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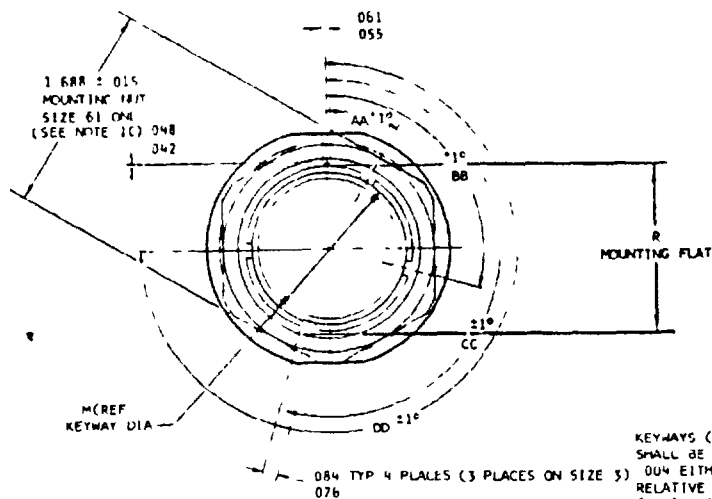
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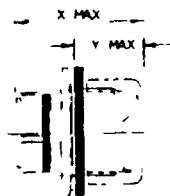
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Department of the NAVY and is mandatory for use by
that activity. All other military activities are required
to employ it as standard where available.

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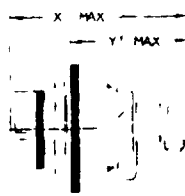
FED SUP CLASS
5935

KEYWAYS (MMC) AND INSERT SHALL BE LOCATED WITHIN 0.04 EITHER SIDE OF (TP) RELATIVE TO MASTER KEY (MMC) AND SHELLO D D (MMC)

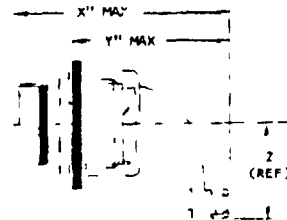
FIGURE 11
KEYWAY POSITIONS



ASSEMBLED TO STRAIGHT BACKSHELL
LESS STRAIN RELIEF
(SEE NOTE 3)



ASSEMBLED TO STRAIGHT BACKSHELL
WITH STRAIN RELIEF
(SEE NOTE 3)



ASSEMBLED TO 90° BACKSHELL
WITH STRAIN RELIEF
(SEE NOTE 3)

FIGURE 11I
BACKSHELL ACCESSORIES

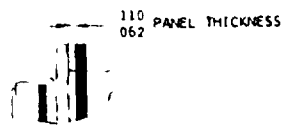


FIGURE 1V
PANEL DIMENSIONS

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P A NAVY-AS Other Cust	International Interest	TITLE	MILITARY STANDARD
		CONNECTOR RECEPTACLE ELECTRIC, CRIMP TYPE JAM NUT MOUNTING, PUSH-PULL COUPLING SERIES 3 (CLASS L AND E)	MS3464(NAVY)
Procurement Specification MIL-C-81703		SUPERSEDES	SHEET 2

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TABLE I CONNECTOR DIMENSIONS AND WEIGHTS											FED SUP CLASS 5935	
SHELL SIZE	A	B	C	D	E	F	G THREAD	H THREAD	K	L	N	
3	441/ 441	367/ 356	330	351	441	509	9/16-24 UNEF-2A	9/16-24 UNEF-2A	765/ 735	765/ 735	30°	
7	576/ 566	481/ 473	451	531	613	687	1/4-20 UNEF-2A	11/16-24 UNEF-2A	890/ 860	890/ 860	22°30'	
12	710/ 700	624/ 614	553	665	731	812	7/8-20 UNEF-2A	13/16-20 UNEF-2A	1 077/1 047	1 077/1 047	22°30'	
19	849/ 839	763/ 753	738	790	861	937	1-20 UNEF-2A	1-20 UNEF-2A	1 171/1 141	1 207/1 172	22°30'	
27	1 004/ 994	918/ 908	854	869	919	992	1 1/16-18 UNEF-2A	1 1/8-18 UNEF-2A	1 327/1 297	1 327/1 297	22°30'	
37	1 126/1 116	1 040/1 030	978	994	1 044	1 117	1 3/16-18 UNEF-2A	1 1/4-18 UNEF-2A	1 435/1 405	1 515/1 485	22°30'	
61	1 414/1 404	1 316/1 306	1 271	1 280	1 361	1 427	1 1/2-18 UNEF-2A	1 1/2-18 UNEF-2A	1 864/1 834	1 890/1 860	22°30'	

SHELL SIZE	P	R	U	V	X	X	X'	Y	Y'	Y''	Z
3	398/ 391	523	538/ 534	577/ 567	1 452	1 802	2 009	750	1 112	1 320	850
7	533/ 526	655	665/ 661	701/ 691	1 452	1 802	2 210	750	1 112	1 521	950
12	668/ 661	776	788/ 784	826/ 816	1 452	2 037	2 300	750	1 347	1 611	1 010
19	806/ 799	963	973/ 969	1 013/1 003	1 452	2 037	2 435	750	1 347	1 746	1 070
27	961/ 954	1 089	1 099/1 095	1 138/1 128	1 452	2 037	2 534	750	1 347	1 845	1 130
37	1 083/1 076	1 214	1 224/1 220	1 263/1 253	1 452	2 037	2 667	750	1 347	1 978	1 190
61	1 367/1 360	1 461	1 471/1 467	1 514/1 504	1 452	2 037	2 914	750	1 347	2 220	1 335

SHELL SIZE	WEIGHT MAX (LBS)		M
	PIN INSERT	SOC INSERT	
3			392/ 385
7			527/ 520
12	WEIGHTS WILL BE SUPPLIED IN LATER REVISION		661/ 654
19			800/ 793
27			955/ 948
37			1 077/1 070
61			1 365/1 358

WEIGHT LISTED IS FOR CONNECTOR WITH
MAX DENSITY INSERT ARRANGEMENT
LESS CONTACTS AND BACKSHELL ACCESSORIES

TABLE II
KEYWAY POSITIONS

SIZE	AA	BB	CC	DD
3	23°	97°	187°	—
7	23°	97°	187°	277°
12	30°	105°	195°	270°
19	30°	105°	195°	270°
27	30°	105°	195°	270°
37	30°	105°	195°	270°
61	30°	105°	195°	270°

P A NAVY-AS Other Cust	International Interest	TITLE CONNECTOR, RECEPTACLE, ELECTRIC, CRIMP TYPE, JAM NUT MOUNTING, PUSH-PULL COUPLING, SERIES 3 (CLASS L AND E)	MILITARY STANDARD
			MS 3464(NAVY)
Procurement Specification MIL-C-81703	SUPERSEDES		SHEET 3

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Department of the NAVY and is mandatory for use by
all activities. All other military activities are required
to employ this standard where suitable.

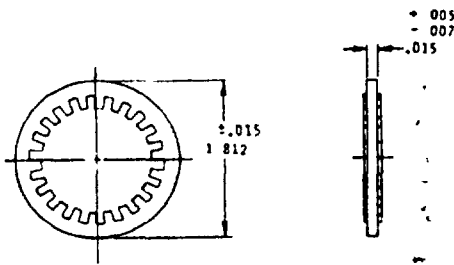
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LOCKWASHER
FOR SIZE 61 ONLY
(SEE NOTES 9 & 10)

NOTES

- 1 THE COMPLETE REQUIREMENTS FOR PROCURING THE CONNECTOR DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE ISSUE IN EFFECT OF MIL-C-81703
- 2 COLOR BAND .100 WIDE MAX BAND LOCATION MUST BE SUCH THAT IT IS VISIBLE WHEN THE CONNECTOR IS MOUNTED
- 3 CONNECTOR ASSEMBLY MUST INCLUDE A BACKSHELL TO MEET THE MOISTURE SEALING REQUIREMENTS OF THE PROCUREMENT DOCUMENT SEE MS 3416, MS 3417 AND MS 3418 FOR APPLICABLE BACKSHELL ACCESSORIES
- 4 MATERIALS SHELLS 6061-T6 PER QQ-A-367
- 5 THE FINISH ON THE SHELLS SHALL BE ELECTROLESS NICKEL
- 6 DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCE SHALL BE XX ± .010 AND XXX ± .005, ANGULAR TOLERANCE, X° ± 1°-00' AND X°X' ± 30'
- 7 .380/ .368 DIM CONTROLS BOTH LENGTH OF KEYWAY AND START OF ANGLE FROM "A" DIA
- 8 DIAMETERS SHOWN ARE AT BASE OF BARRIERS
- 9 LOCKWASHER OR OTHER SUITABLE MEANS SHALL BE USED TO ASSURE NUT ASSEMBLY
- 10 MOUNTING NUT & LOCKWASHER FOR SIZES 3 THRU 37 ARE THE SAME AS MS3134E- EXCEPT PARTS SHALL BE ELECTROLESS NICKEL PLATED SIZE 61 SHALL BE AS SPECIFIED ON SHEETS 1, 2 & 4 OF THIS DRAWING
- 11 O-RING FOR SHELL SIZES 3 THRU 37 SHALL BE PER MS3134, SHEET 3 O-RING FOR SHELL SIZE 61 SHALL BE MS-29513-130

This standard has been approved by the Department of the NAVY and is mandatory for use by all activities. All other military activities are required to comply with this standard where suitable.

PA NAVY AS	International Interest	TITLE	MILITARY STANDARD
Other Cust		CONNECTOR, RECEPTACLE, ELECTRIC, CRIMP TYPE, JAM NUT MOUNTING PUSH-PULL COUPLING, SERIES 3 (CLASS L AND E)	MS 3464(NAVY)
Procurement Specification MIL-C-81703		SUPERSEDES:	SHEET 4

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