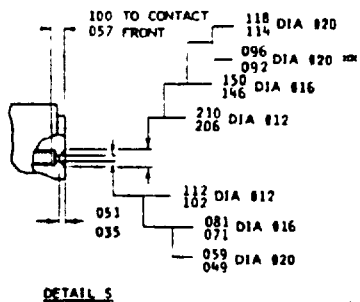
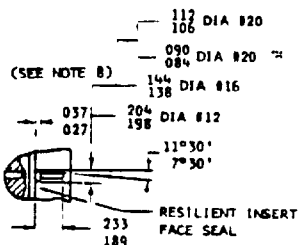


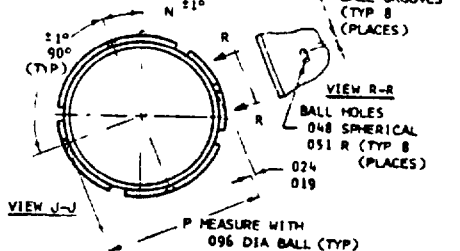
FIGURE 1
CONNECTOR VIEW



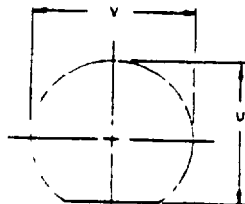
DETAIL S



DETAIL T



VIEW R-R



PANEL CUTOUT

100 ON OUTER ROW CONTACTS OF INSERT ARRANGEMENTS INDICATED IN CHART

INSERT ARRANGEMENTS REQUIRING REDUCED DIAMETERS FOR SOCKET CONTACT CHAMFER LEAD-INS AND PIN CONTACT RAISED SEAL BARRIERS

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

PART NUMBER

EXAMPLE MS 3464 E 19 - 50 P B

MS NUMBER
CLASS
SHELL SIZE
INSERT ARRANGEMENT

ALTERNATE INSERT POSITION
CONTACT STYLE

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 1 OF 4

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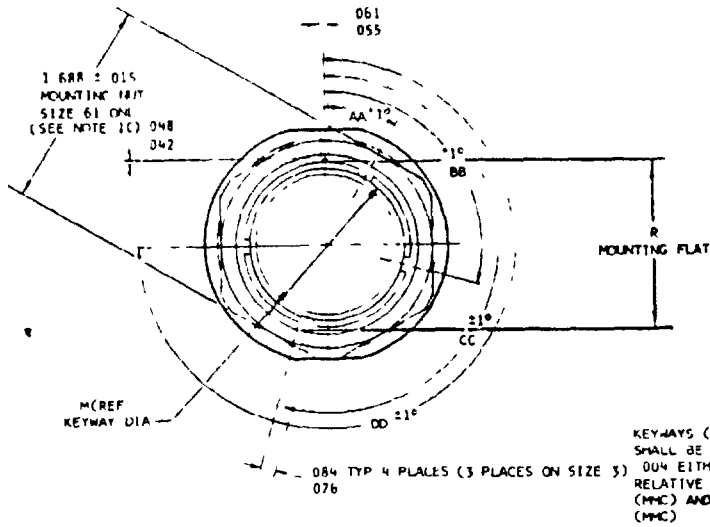
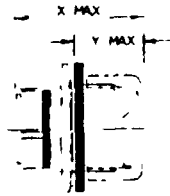
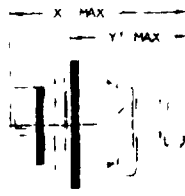


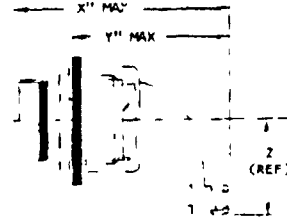
FIGURE 11
KEYWAY POSITIONS



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

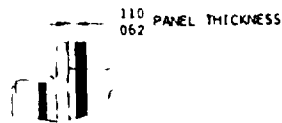


FIGURE 1V
PANEL DIMENSIONS

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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

SHELL SIZE	A	B	C	D	E	F	G THREAD	H THREAD	K	L	N
3	.441/ .441	.367/ .366	.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/ .743	.738	.790	.861	.937	1-20 UNEF-2A	1-20 UNEF-2A	1.171/1.141	1.209/1.172	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	1.081/1.076	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	1.463	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			.397/ .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°

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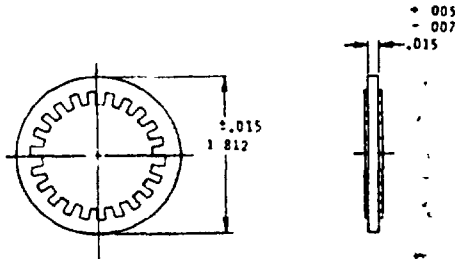
P A NAVY-AS Other Cust	International interest	TITLE	MILITARY STANDARD
		CONNECTOR, RECEPTACLE, ELECTRIC, CRIMP TYPE, JAM NUT MOUNTING, PUSH-PULL COUPLING, SERIES 3 (CLASS L AND E)	MS 3464(NAVY)
Procurement Specification MIL-C-81703		SUPERSEDES	SHEET 3

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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 NUMBER CROSS REFERENCE
- 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 XX' ± 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

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PA 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)	MS 3464(NAVY)
Procurement Specification MIL-C-81703		SUPERSEDES:	SHEET 4

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