

INCH-POUND

MS3127K  
 6 June 2003  
 SUPERSEDING  
 MS3127J  
 10 June 1993

DETAIL SPECIFICATION SHEET

CONNECTORS, RECEPTACLE, ELECTRICAL, SERIES 1, CRIMP TYPE,  
 BOX MOUNTING, FLANGE, NO. 4/6 HOLES, BAYONET COUPLING

This specification is approved for use by all Departments and  
 Agencies of the Department of Defense.

The requirements for acquiring the product described herein  
 shall consist of this specification and MIL-C-26482.

Inactive for new design as of 5 September 1975.  
 For new design, use MS3474 for classes E, F, and P

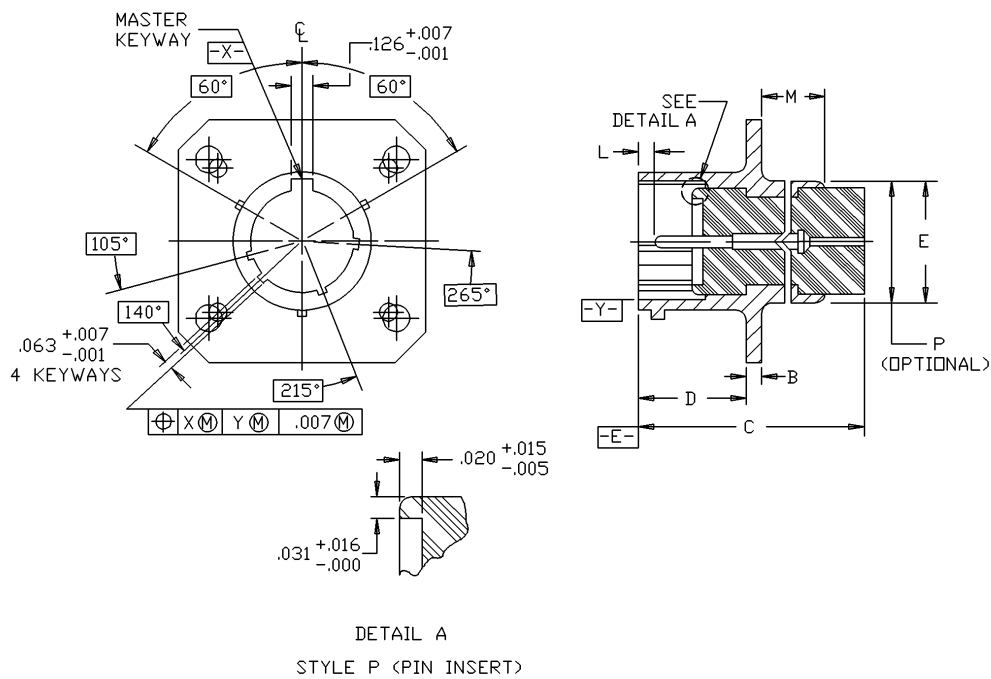


FIGURE 1. Dimension and configurations.



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Shell Size	A min edge distance	B $\pm .016$ thick mounting flange	C max overall length	D + .031 - .000 mounting flange location	E dia. + .031 - .024 od	F (TP) mounting holes	G (TP) mounting holes
10	1.141	.120	.150	.085	.406	.457	.5625-24
12	1.266					.564	.6875-24
14	1.360					.689	.8125-20
16	1.453					.814	.9375-20
18	1.532					.907	1.0625-18
20	1.688			1.039		1.1875-18	
22	1.766			1.164		1.3125-18	
24	1.891	.147		.147		1.289	1.4375-18

Shell Size	H max length	J $\pm .005$ dia mounting holes	K $\pm .005$ dia mounting holes	L + .010 - .020 pin contact location	M max	N max ID gasket	P UNEF-2A hread (optional)
10	1.141	.120	.150	.085	.406	.457	.5625-24
12	1.266					.564	.6875-24
14	1.360					.689	.8125-20
16	1.453					.814	.9375-20
18	1.532					.907	1.0625-18
20	1.688			1.039		1.1875-18	
22	1.766			1.164		1.3125-18	
24	1.891	.147		.147		1.289	1.4375-18

FIGURE 1. Dimensions and configurations - Continued.

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Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.001	0.025	.085	2.16	.688	17.48	1.156	29.36	1.438	36.53
.005	0.13	.094	2.39	.689	17.50	1.164	29.57	1.453	36.91
.007	0.18	.120	3.05	.719	18.26	1.188	30.18	1.500	38.10
.010	0.28	.126	3.20	.812	20.62	1.203	30.56	1.532	38.91
.015	0.39	.147	3.73	.814	20.68	1.250	31.75	1.688	42.88
.016	0.41	.150	3.82	.906	23.01	1.266	32.16	1.766	44.86
.020	0.51	.156	3.96	.907	23.04	1.289	32.74	1.891	48.03
.024	0.61	.406	10.31	.938	23.83	1.297	32.94		
.031	0.79	.457	11.61	.969	24.61	1.312	33.32		
.035	0.89	.462	11.73	1.031	26.19	1.320	33.53		
.050	1.28	.556	14.12	1.039	26.39	1.360	34.54		
.062	1.57	.562	14.27	1.062	26.97	1.367	34.72		
.063	1.60	.564	14.33	1.125	28.58	1.375	34.93		
.070	1.78	.589	14.96	1.141	28.98	1.418	36.02		

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is  $\pm 1/2^\circ$ .
4. True position (TP) tolerance specified are in accordance with ANSI Y14.5.
5. Interchangeability dimensions shall be in accordance with MIL-C-26482.

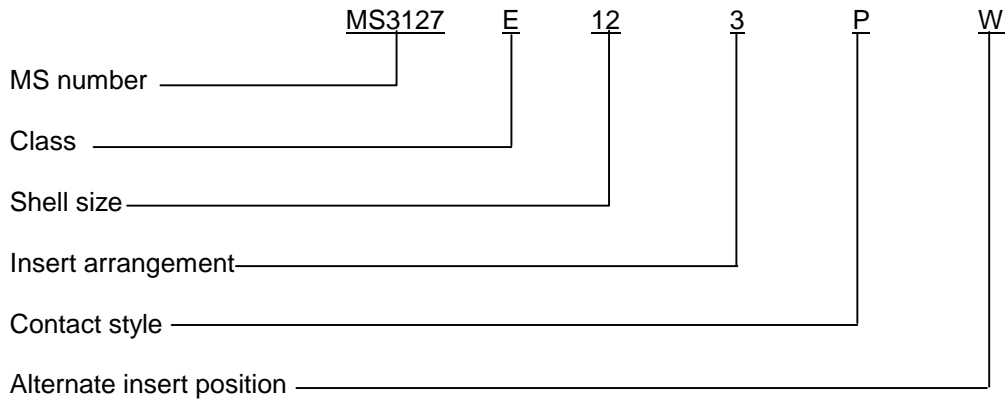
FIGURE 1. Dimensions and configurations - Continued.

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### REQUIREMENTS:

Dimensions and configurations: See figure 1.  
 This connector mates with MS3121 and MS3126.  
 Insert arrangements shall be in accordance with MIL-STD-1669.  
 Connectors accessories: See MIL-C-85049.  
 Packing material shall meet the requirements of ASTM-D2000.

Part or Identifying Number (PIN) example:



### CONCLUDING MATERIAL

Custodian:  
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 Navy - AS  
 Air Force - 11  
 DLA - CC

Preparing activity:  
 DLA - CC

(Project 5935-4419-022)

Review activities:  
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 Air Force - 99

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