

INCH-POUND

MS3113H  
 10 June 1993  
 SUPERSEDING  
 MS3113G  
 31 July 1978

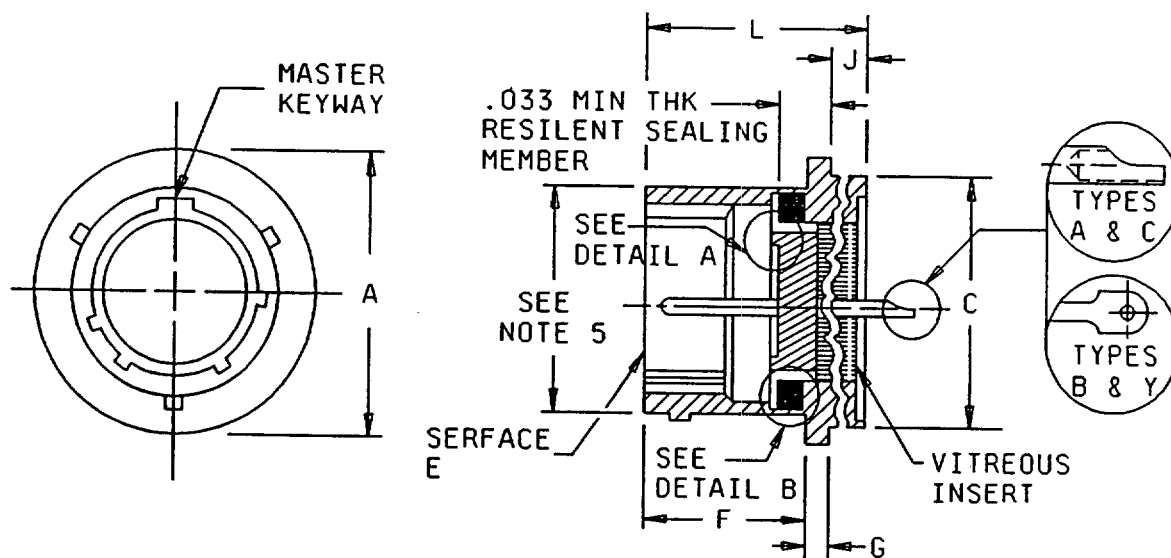
## MILITARY SPECIFICATION SHEET

(H) CONNECTORS, RECEPTACLE, ELECTRICAL, SERIES 1, SOLDER  
 TYPE, SOLDER MOUNTING, BAYONET COUPLING, CLASS H

(H) INACTIVE FOR NEW DESIGN USE MS3443

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 sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-C-26482.

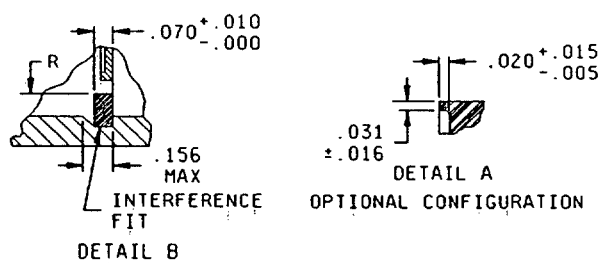


Style P (pin insert)

FIGURE 1. Dimensions and configurations.

(H) denotes changes

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Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.001	0.03	.188	4.78	.750	19.05	1.013	25.73	1.438	36.53
.005	0.13	.329	8.36	.781	19.84	1.039	26.39	1.500	38.10
.010	0.25	.411	10.44	.814	20.68	1.094	27.79	1.563	39.70
.015	0.38	.457	11.61	.828	21.03	1.156	29.36		
.016	0.41	.473	12.01	.844	21.44	1.164	29.57		
.020	0.51	.506	12.85	.891	22.63	1.218	30.94		
.031	0.79	.562	14.27	.906	23.01	1.250	31.75		
.033	0.84	.564	14.33	.907	23.04	1.289	32.74		
.070	1.78	.672	17.07	.921	23.39	1.312	33.32		
.156	3.96	.689	17.50	.969	24.61	1.375	34.93		

Connector dimensions

Shell size	A ±.016 OD flange	C +.001 -.005 OD	F +.031 -.000 mtg flange location	G +.016 -.005 thk mtg flange	J Max length of mtg dia	L Max overall length	R Max ID gasket	
8	.625	.562	.411	.031	.156	.828	.329	
10	.750	.672					.457	
12	.844	.781					.564	
14	.969	.906					.689	
16	1.094	1.031					.814	
18	1.218	1.156					.907	
20	1.312	1.250	.473		.188	.921	.891	1.039
22	1.438	1.375					1.164	
24	1.563	1.500					1.289	

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Resilient sealing member bonded to vitreous insert.
4. True position (TP) tolerance specified are in accordance with ANSI Y14.5.
5. Interchangeability dimensions shall be in accordance with MIL-C-26482.
6. MS3113 is not for Air Force use, use MS3443.

FIGURE 1. Dimensions and configurations - Continued.

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## REQUIREMENTS:

Dimensions and configurations: See figure 1.

- (H) Mating connector: This connector mates with MS3116.

Insert arrangements: See MIL-STD-1669.

- (H) Connectors accessories: See MIL-C-85049.

## Material and finish:

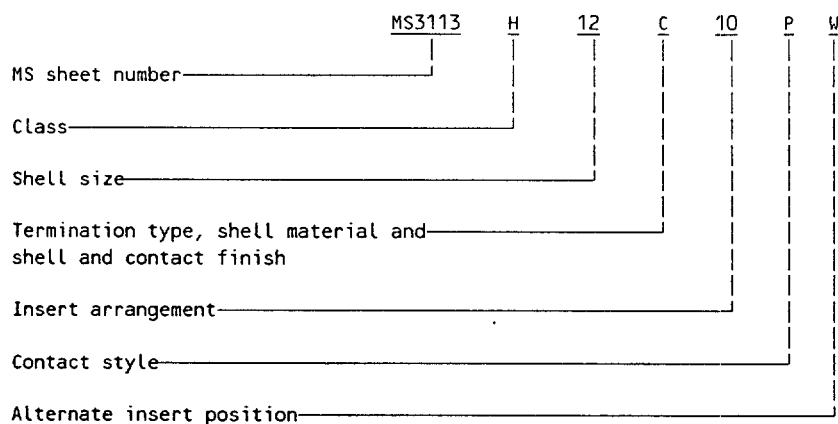
Shell (types A and B), passivated stainless steel with gold plated contacts.

Shell (types C and Y), tin plated ferrous alloy with tin plated contacts.

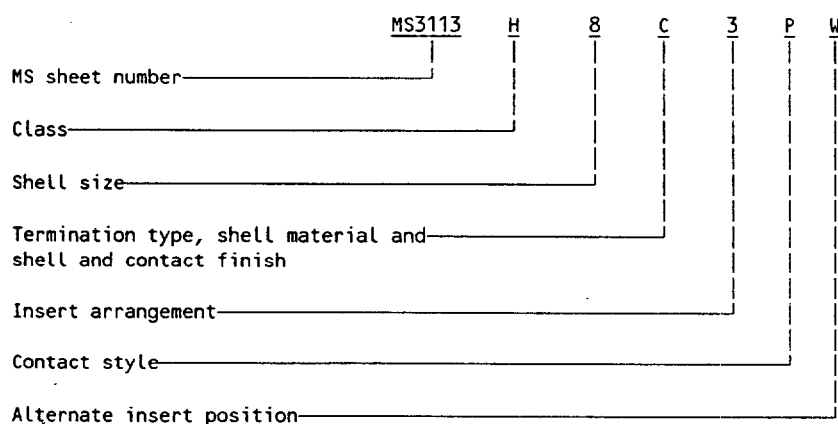
(Tin plating shall be no more than 97% pure tin and 3% lead).

Bayonet pins, passivated stainless steel.

- (H) Part or Identifying Number (PIN) example (1)



- (H) Part or Identifying Number (PIN) example (2)



- (H) Qualification:

QPL evaluating activity: Defense Electronics Supply Center, (DESC-E), Dayton, OH 45444.

MS3113H

CONCLUDING MATERIAL

Custodians:

Army - CR  
Navy - AS  
Air Force - 85

Review activities:

Army - AR  
Navy - EC, SH  
Air Force - 11, 17, 99  
DLA - ES

User activity:

Army - AV

Preparing activity:

Army - CR

Agent:

DLA - ES

(Project 5935-3894)