

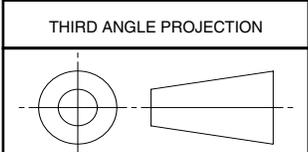
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PROCUREMENT SPECIFICATION: MIL-C-81703

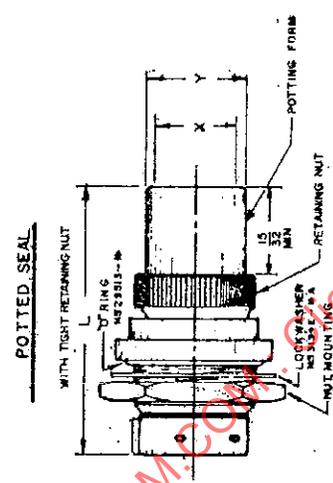
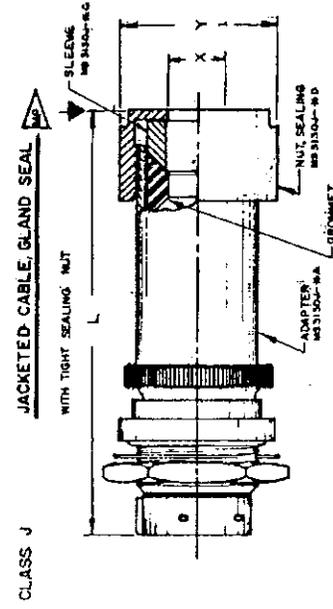


**AEROSPACE STANDARD**

CONNECTOR, RECEPTACLE, ELECTRIC, SOLDER TYPE, JAM NUT MOUNTING, PUSH-PULL, COUPLING, SERIES 1 (CLASS E, P, J AND H)

**AS31341**  
SHEET 1 OF 5





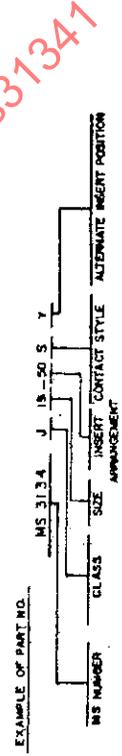
SHELL SIZE DASH NO.	L LENGTH MAX.	X MIN. DIA. MIN. LD. POTTING POSITION	Y MAX. DIA. MAX. LD. POTTING POSITION	CABLE SEALING		ADAPTOR	SLEEVE	NUT SEALING
				MIN.	MAX.			
-3	1.641	.261	.391	.178	.210	MS 31300-8A	MS 31300-8B	MS 31300-8C
-7	2.625	.372	.515	.381	.413	MS 31300-7A	MS 31300-7B	MS 31300-7D
-12	3.093	.482	.630	.412	.444	MS 31300-6A	MS 31300-6B	MS 31300-6D
-19	3.125	.602	.760	.522	.554	MS 31300-5A	MS 31300-5B	MS 31300-5D
-27	3.125	.725	.887	.600	.632	MS 31300-4A	MS 31300-4B	MS 31300-4D
-37	3.156	.857	1.047	.682	.714	MS 31300-3A	MS 31300-3B	MS 31300-3D

MAX. CABLE SEALING FORCE ALLOWABLE FORCE IN DIRECTION INDICATED.

SHELL SIZE	MAX. WEIGHT
-3	2.0
-7	2.0
-12	4.0
-19	5.5
-27	8.0
-37	12.0

DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCE, DECIMALS .005, ANGULAR TOLERANCES ± 1/8°

- NOTES:
- FOR CLASS J ADAPTOR SEALING NUT, SLEEVE AND GROMMET SEE MS 3130 SHEET 3.
  - FOR CLASS P LOCKWASHER, MOUNTING NUT AND O-RING SEE SHEET 3.





**LOCKWASHER**

EXAMPLE OF PART NO. MS 3134 E-3 A  
 MS NUMBER CLASS CONNECTOR SHELL SIZE

**NUT MOUNTING**

EXAMPLE OF PART NO. MS 3134 E-3 B  
 MS NUMBER CLASS CONNECTOR SHELL SIZE

CONNECTOR SHELL (REF) DASH NO.	LOCKWASHER		NUT MOUNTING				MS NUMBER
	A O.D.	B THICK.	N	S	T	THREAD SIZE	
-3	.770	.023	.823	.082	.300-24 UNF	3/4"-24 UNF	MS22913-15
-7	.953	.412	.412	.040	1/4"-20 UNF	1/4"-20 UNF	MS22913-17
-12	1.042	.337	.337	.125	5/16"-20 UNF	5/16"-20 UNF	MS22913-19
-18	1.132	.262	.262	.125	1/2"-20 UNF	1/2"-20 UNF	MS22913-22
-27	1.438	1.230	1.230	.125	1/2"-20 UNF	1/2"-20 UNF	MS22913-24
-37	1.438	1.375	1.375	.125	1/4"-20 UNF	1/4"-20 UNF	MS22913-26

DIMENSIONS IN INCHES  
 UNLESS OTHERWISE SPECIFIED, TOLERANCE: DECIMALS ±.015  
 ANGULAR TOLERANCE ± 1/2°

**NOTES:**

1. A INDICATES LOCKWASHER.
2. B INDICATES NUT MOUNTING.
3. THESE LOCKWASHERS AND MOUNTING NUTS ARE INTENDED FOR USE ON MS3134 B SHAS CONNECTORS.
4. LOCKWASHERS - MATERIAL TO BE PHOSPHOROUS BRONZE
5. NUT MOUNTING - MATERIAL - CLASS "F" - ALUMINUM - CLASS "H" - STEEL.

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