

REV.
A

SAE AS34561

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISE TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY, UPDATE REFERENCES, ALIGN SPECIFICATION WITH SAE GUIDELINES AND RE-WORK ILLEGIBLE DRAWINGS/TABLES, AND REVIEW SPECIFICATION FOR KNOWN TECHNICAL PROBLEMS.

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS50151.

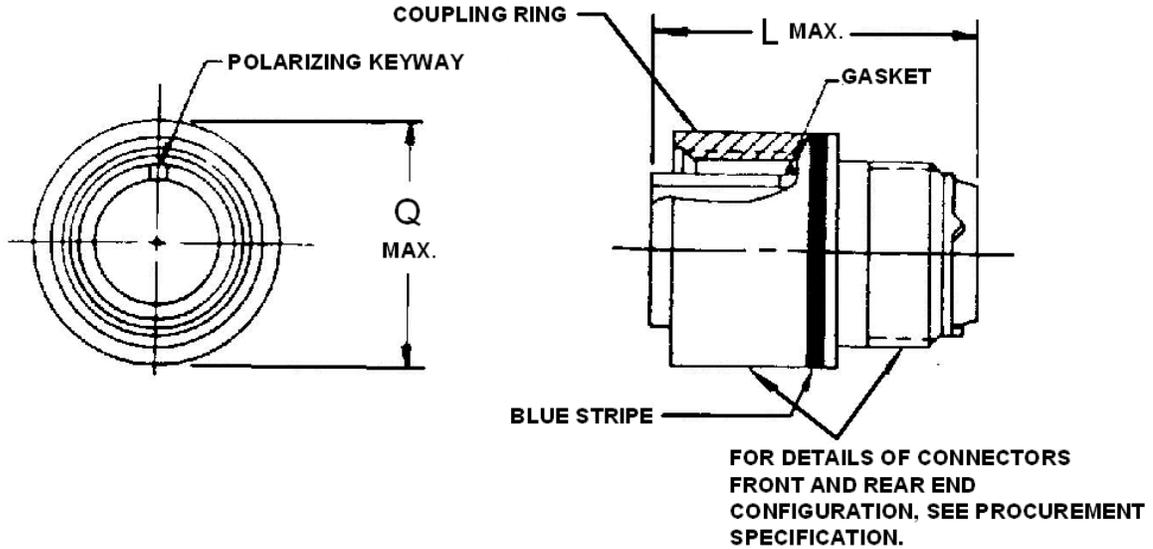
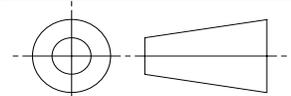


FIGURE 1 – CONNECTOR CONFIGURATION (CLASSES K, L,U & W ENVIRONMENT RESISTANT)

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS50151

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONNECTORS, PLUG, ELECTRICAL,
REAR RELEASE, CRIMP CONTACT,
AN TYPE

SAE AS34561
SHEET 1 OF 3

REV. A

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ISSUED 1998-07 REAFFIRMED 2004-11 REVISED 2011-12

TABLE 1 – DIMENSIONS

SIZE	L MAX.		Q MAX.	
	SIZE 16 & 12 CONTACTS	SIZE 8, 4 & 0 CONTACTS		
8 S	2.031	N/A	.844	
10 S			.969	
10 SL			.969	
12 S			1.062	
12	2.125		1.062	
14 S	2.031		1.156	
14	2.125		1.156	
16 S	2.031		1.250	
16	2.125		2.500	1.250
18				1.344
20		1.469		
22		1.594		
24		1.719		
28		1.969		
32		2.219		
36		2.469		
40		2.719		
44		2.969		
48		3.219		

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF AS50151.

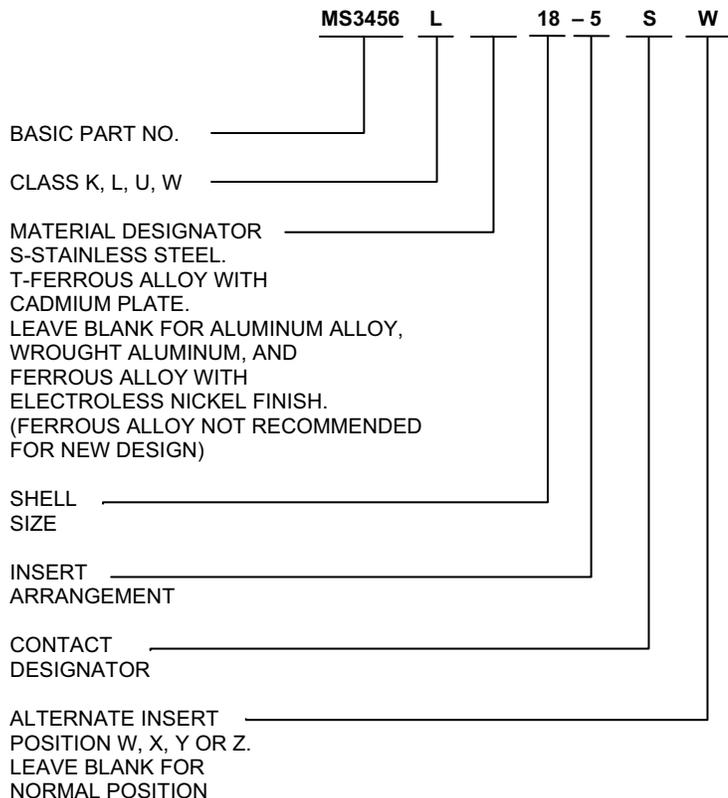
1. DESIGN:

CONNECTORS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± 0.016 . DIMENSIONS AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI/ASME Y14.5M-1994. AS50151 FRONT AND REAR RELEASE CRIMP CONTACT CONNECTORS AND SOLDER CONTACT CONNECTORS ARE INTERMATEABLE. UNLESS OTHERWISE SHOWN, CORRESPONDING FEATURES OF PIN AND SOCKET CONTACT CONNECTORS ARE IDENTICAL. EXTRACTION TOOL MIL-I-81969/29-01 SHALL BE USED TO REMOVE SIZE 16 CONTACTS THAT ARE CRIMPED TO MIL-DTL-25038/1 FIRE ZONE WIRE.

2. FOR INSERT ARRANGEMENTS SEE MIL-STD-1651.

 An SAE International Group	AEROSPACE STANDARD	SAE AS34561 SHEET 2 OF 3	REV. A
	(R) CONNECTORS, PLUG, ELECTRICAL, REAR RELEASE, CRIMP CONTACT, AN TYPE		

3. THE PART NUMBERS SHALL BE AS SHOWN IN THE EXAMPLE BELOW:



NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

SPECIFICATION NOTES:

A CHANGE BAR (|) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.

APPLICATION NOTES:

- AS34561 CLASSES K AND U ARE NOT RECOMMENDED FOR NEW DESIGN AND ARE NO LONGER RECOMMENDED FOR USE, EXCEPT FOR REPLACEMENT PURPOSES. CLASSES L AND W ARE RECOMMENDED FOR NEW DESIGN.
- AS34561 SUPERSEDES MS3456.

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	(R) CONNECTORS, PLUG, ELECTRICAL, REAR RELEASE, CRIMP CONTACT, AN TYPE		