

SAE Executive Standards Committee Rules provide that: " This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

**REV.
A**

AS34561™

FEDERAL SUPPLY CLASS
5935

RATIONALE

AS34561A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

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

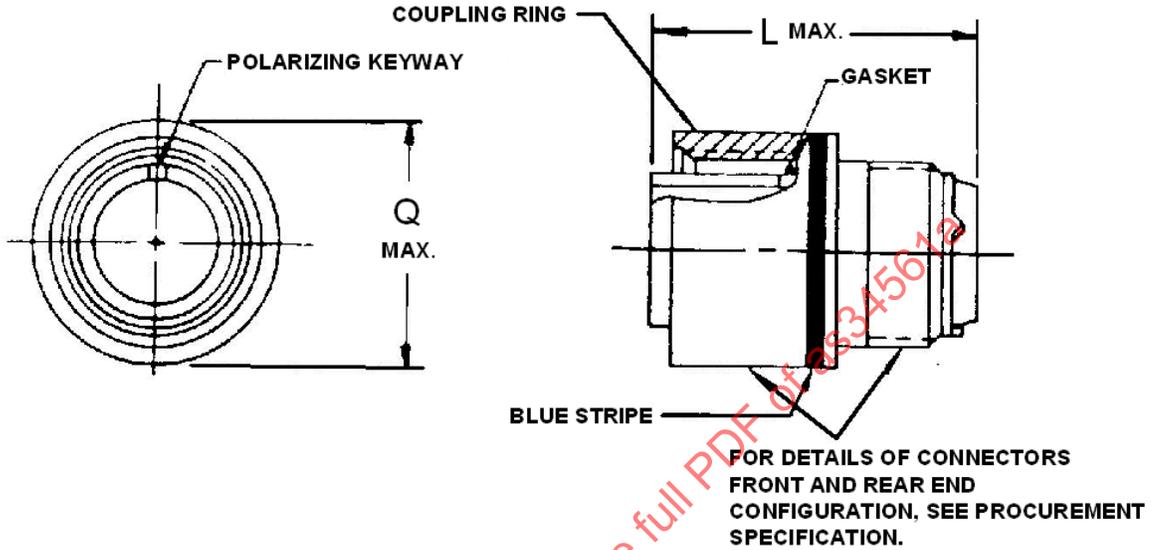
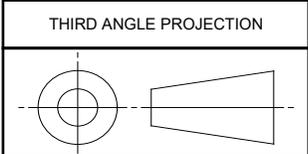


FIGURE 1 – CONNECTOR CONFIGURATION (CLASSES K, L, U & W ENVIRONMENT RESISTANT)

SAENORM.COM : Click to view the full PDF of AS34561A

For more information on this standard, visit
<https://www.sae.org/standards/content/AS34561A>



CUSTODIAN: AE-8C1		PROCUREMENT SPECIFICATION: AS50151	
	AEROSPACE STANDARD		AS34561™ SHEET 1 OF 3
	CONNECTORS, PLUG, ELECTRICAL, REAR RELEASE, CRIMP CONTACT, AN TYPE		

ISSUED 1998-07 REVISED 2011-12 REAFFIRMED 2021-10

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.