

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.

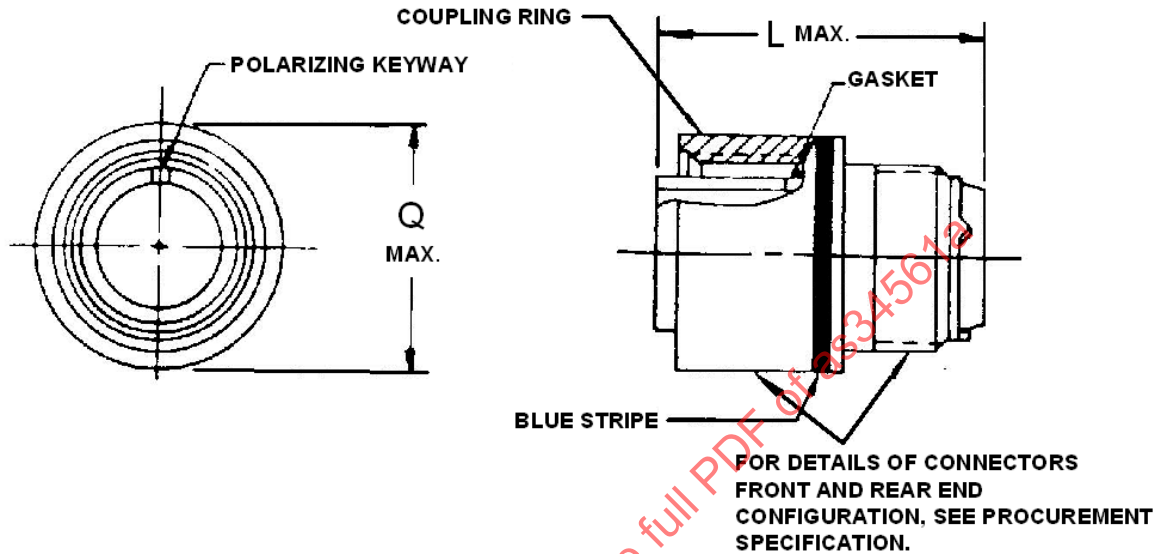
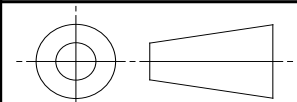


FIGURE 1 – CONNECTOR CONFIGURATION (CLASSES K, L, U & W ENVIRONMENT RESISTANT)

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

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS50151



AEROSPACE STANDARD

CONNECTORS, PLUG, ELECTRICAL,
REAR RELEASE, CRIMP CONTACT,
AN TYPE

AS34561™
SHEET 1 OF 3

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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 $\pm .016$. 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.