

REV.  
C

AS34521™

FEDERAL SUPPLY CLASS  
5935

RATIONALE

REVISION IS REQUIRED TO ADD AN APPLICATION NOTE TO CLARIFY THE ENVIRONMENTAL SEALING PROPERTIES OF THIS CONNECTOR.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS50151.

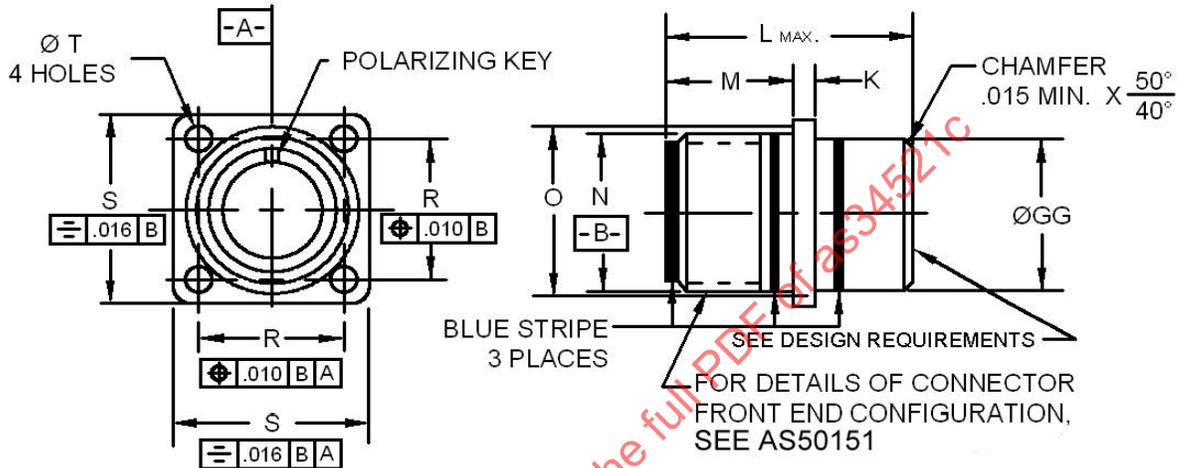
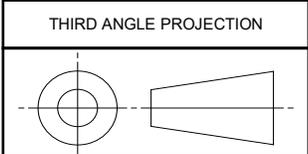


FIGURE 1 - CONNECTOR CONFIGURATION (CLASSES L, U, AND W ENVIRONMENT RESISTANT INTERFACE ONLY)

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For more information on this standard, visit <https://www.sae.org/standards/content/AS34521C/>



CUSTODIAN: AE-8/AE-8C1		PROCUREMENT SPECIFICATION: AS50151	
	<b>AEROSPACE STANDARD</b>		<b>AS34521™</b> SHEET 1 OF 3
	CONNECTOR, RECEPTACLE, ELECTRIC, BOX MOUNTING, REAR RELEASE, CRIMP CONTACT, AN TYPE		

ISSUED 2004-06 REVISED 2017-02 REAFFIRMED 2021-10

**TABLE 1 - DIMENSIONS**

SIZE	ØGG ±.016	K ±.015	L MAX		M +.031 -.000	N +.000 -.062	O (REF) MTG HOLES	R C <sub>1</sub> -C <sub>1</sub>	S ±.031	T +.010 -.005	
			SIZE 16 & 12 CONTACTS	SIZE 8, 4 & 0 CONTACTS							
8S	.500	.083	1.662	N/A	.562	.532	.562	.594	.875	.120	
10S	.625					.656	.688	.719	1.000		
10SL						.750	.782	.812	1.094		
12S	.750					.562	.906	.938	1.188		
12						.750	1.032	1.062	.969		1.281
14S	.875					.750	1.156	1.188	1.062		1.375
14						.562	1.282	1.312	1.156		1.500
16S	1.000					.750	1.406	1.438	1.250		1.625
16						.562	1.532	1.562	1.375		1.750
18	1.052					.125	1.937	.812	1.782		1.812
18	1.187	2.032	2.062	1.750	2.250						
20	1.312	2.282	2.312	1.938	2.500						
22	1.437	2.532	2.562	2.188	2.750						
24	1.750	2.782	2.812	2.375	3.000						
28	2.000	3.032	3.062	2.625	3.250						
32	2.250										
36	2.500										
40	2.750										
44	3.000										
48											

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT 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 ±.016. DIMENSIONS AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI/ASME Y14.5M-1994. AS50151 CRIMP CONTACT, FRONT AND REAR RELEASE CONNECTORS AND SOLDER CONTACT CONNECTORS ARE INTERMATEABLE. UNLESS OTHERWISE SHOWN, CORRESPONDING FEATURES OF PIN AND SOCKET CONTACT CONNECTORS ARE IDENTICAL. THE INSULATION MATERIAL SHALL BE ABOVE, FLUSH WITH, OR NO MORE THAN .015 INCH BELOW THE METAL SHELL AND ALL CONTACTS SHALL BE RECESSED BELOW THE INSULATION MATERIAL. TOOLS USED FOR INSERTING AND REMOVAL OF CONTACTS SHALL BE AS SPECIFIED IN AS50151.

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

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