

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.

REV.
A

SAE AS34521

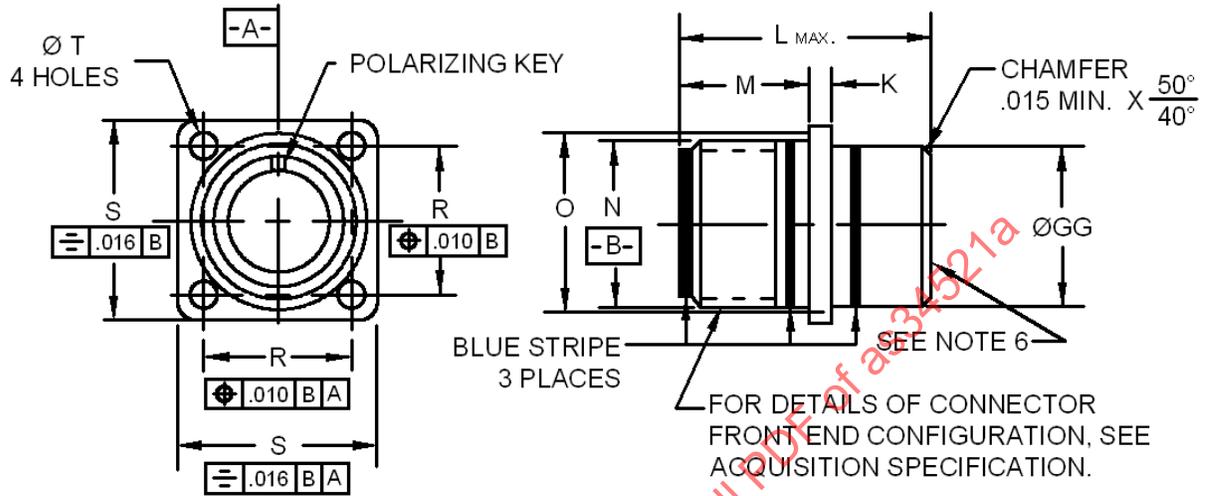
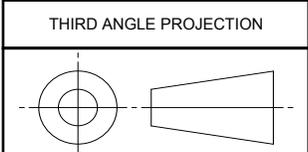


FIGURE 1 – CONNECTOR CONFIGURATION (CLASSES L,U & W ENVIRONMENT RESISTANT INTERFACE ONLY)

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS50151

SAE Aerospace
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AEROSPACE STANDARD

(R) CONNECTOR, RECEPTACLE, ELECTRIC, BOX MOUNTING, REAR RELEASE, CRIMP CONTACT, AN TYPE WITH

SAE AS34521
SHEET 1 OF 3

REV. A

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TABLE 1 - DIMENSIONS

SIZE	ØGG ±.16	K ±.15	L MAX.		M +.031 -.000	N +.000 -.062	O (REF) MTG HOLES	R C ₁ -C ₁	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						.782	.812	.812	1.094		
12S	.750					.562	.906	.938	.906		1.188
12						.750	1.032	1.062	.969		1.281
14S	.875					.750	1.156	1.188	1.062		1.375
14						.750	1.282	1.312	1.156		1.500
16S	1.000					.812	1.406	1.438	1.250		1.625
16		.812	1.532	1.562	1.375	1.750	.147				
18	1.052	.125	1.937	.750	1.782	1.812	1.562	2.000	.173		
20	1.187				2.032	2.062	1.750	2.250			
22	1.312				2.282	2.312	1.938	2.500			
24	1.437				2.532	2.562	2.188	2.750			
28	1.750			2.782	2.812	2.375	3.000				
32	2.000			3.032	3.062	2.625	3.250				
36	2.250										
40	2.500										
44	2.750										
48	3.000										

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 ±.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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	(R) CONNECTOR, RECEPTACLE, ELECTRIC, BOX MOUNTING, REAR RELEASE, CRIMP CONTACT, AN TYPE WITH		