

REV.
A

SAE AS34541

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.

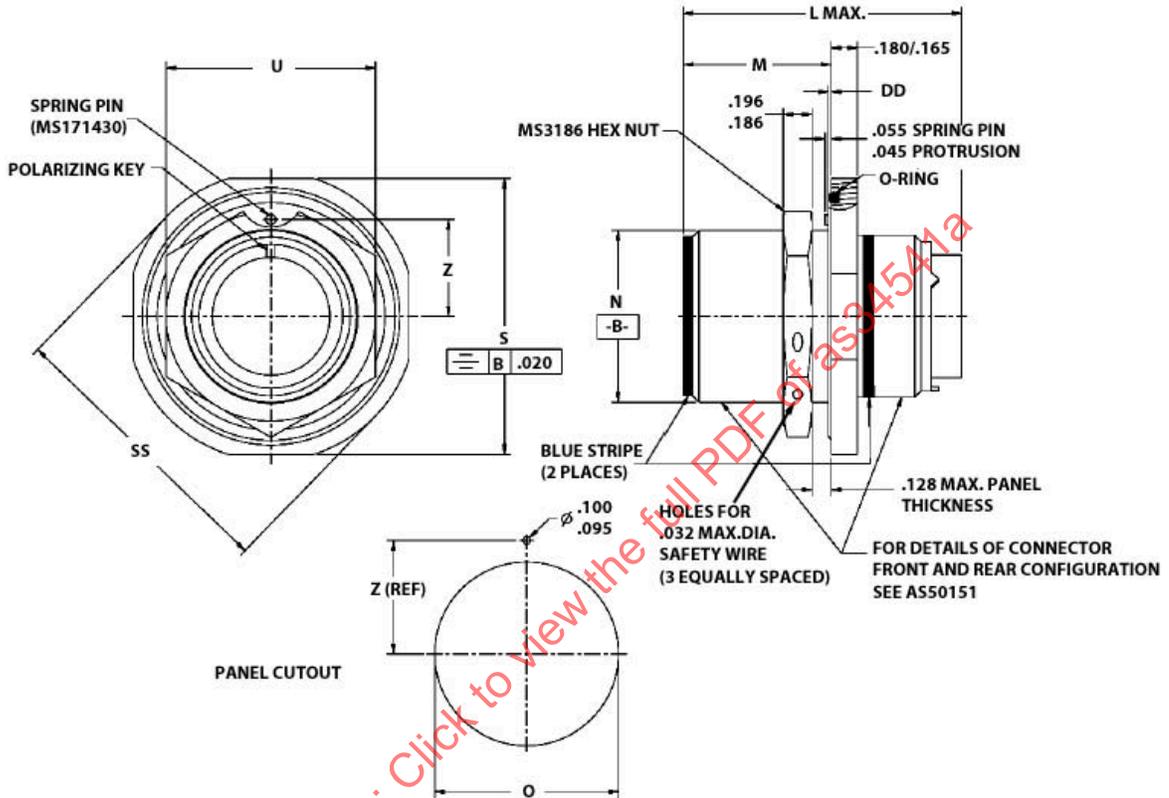
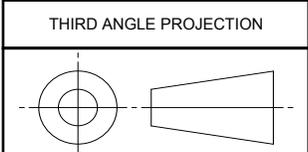


FIGURE 1 – CONNECTOR CONFIGURATION (CLASSES L,U & W ENVIRONMENT RESISTANT)

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CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS50151

SAE Aerospace
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AEROSPACE STANDARD

(R) CONNECTORS, RECEPTACLE, ELECTRICAL,
JAM NUT MOUNTING, REAR RELEASE
CRIMP CONTACT, AN TYPE

SAE AS34541
SHEET 1 OF 4

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ISSUED 1998-01 REAFFIRMED 2003-11 REVISED 2012-01

TABLE 1 - DIMENSIONS

SIZE	L MAX.		M ± .005	N + .000 - .005	S ± .005	SS ± .005	U ± .010
	SIZE 16 & 12 CONTACTS	SIZE 8, 4 & 0 CONTACTS					
8S	2.031	N/A	.720	.500	1.187	1.272	.687
10S				.625	1.312	1.397	.812
10SL				.625	1.312	1.397	.812
12S				.750	1.437	1.522	.937
12	2.125		.970	.750	1.437	1.522	.937
14S	2.031		.720	.870	1.562	1.647	1.125
14	2.125		.970	.870	1.562	1.647	1.125
16S	2.031		.720	1.000	1.687	1.772	1.250
16	2.125	2.500	.970	1.000	1.687	1.772	1.250
18				1.125	1.812	1.897	1.375
20				1.250	1.937	2.022	1.500
22				1.375	2.156	2.241	1.625
24				1.500	2.281	2.366	1.750
28				1.730	2.531	2.616	2.000
32				2.000	2.781	2.866	2.375
36				2.250	3.031	3.116	2.625
40				2.500	3.281	3.366	2.875
44				2.750	3.656	3.741	3.125
48	3.000	3.906	3.991	3.375			

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TABLE 1 – DIMENSIONS (CONTINUED)

SIZE	O + .015 - .000	Z ± .005	DD ± .008 O RING PROJECT	O RING SIZE A.R.P. 568 NO.
8S	.505	.323	.020	-020
10S	.630	.385		-022
10SL	.630	.385		-022
12S	.755	.448		-024
12	.755	.448		-024
14S	.880	.510		-026
14	.880	.510		-026
16S	1.005	.573		-028
16	1.005	.573		-028
18	1.130	.635		-029
20	1.255	.698	-030	
22	1.380	.760	.026	-132
24	1.505	.823		-134
28	1.755	.948		-138
32	2.005	1.073		-142
36	2.255	1.198		-148
40	2.505	1.323		-150
44	2.755	1.448		-152
48	3.005	1.573		-153

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 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.

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