

REV.
B

AS34041™

FEDERAL SUPPLY CLASS
5935

RATIONALE

AS34041B 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.

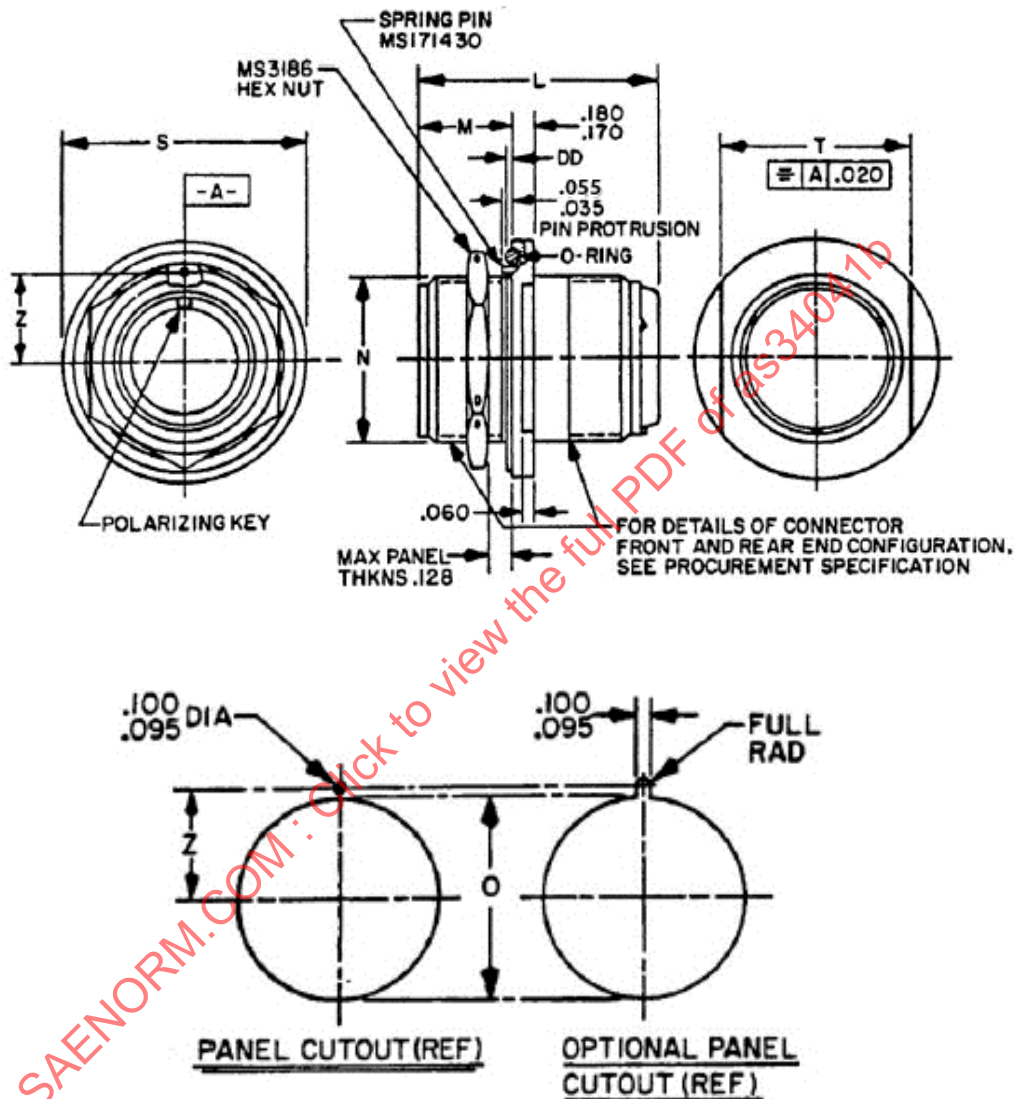
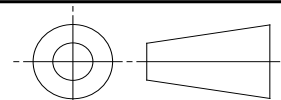


FIGURE 1 – CONNECTOR CONFIGURATIONS (CLASSES D, L, U & W ENVIRONMENT RESISTANT)

For more information on this standard, visit
<https://www.sae.org/standards/content/AS34041B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS50151



AEROSPACE STANDARD

CONNECTORS, RECEPTACLE, ELECTRIC,
JAM NUT MOUNTING, FRONT RELEASE,
CRIMP CONTACT, AN TYPE

AS34041™
SHEET 1 OF 4

REV.
B

TABLE 1 - DIMENSIONS

SIZE	L MAX.		M ± .005	N + .000 - .005	O + .015 - .000	S ± .005	T ± .010 FLATS	Z ± .005
	SIZE 16 & 12 CONTACTS	SIZE 8, 4 & 0 CONTACTS						
8S	2.031	N/A	.720	.500	.505	1.072	.865	.326
10S				.625	.630	1.193	.990	.385
10SL				.625	.630	1.193	.990	.385
12S				.750	.755	1.317	1.050	.448
12	2.125		.966	.750	.755	1.317	1.050	.448
14S	2.031		.720	.875	.880	1.443	1.175	.510
14	2.125		.966	.875	.880	1.443	1.175	.510
16S	2.031		.720	1.000	1.005	1.567	1.300	.573
16	2.125	2.500	.966	1.000	1.005	1.567	1.300	.573
18				1.125	1.130	1.693	1.425	.635
20				1.250	1.255	1.817	1.550	.698
22				1.375	1.380	1.943	1.550	.760
24				1.500	1.505	2.067	1.800	.823
28				1.750	1.755	2.317	1.925	.948
32				2.000	2.005	2.567	2.175	1.073
36				2.250	2.255	2.817	2.550	1.198
40				2.500	2.505	3.061	2.800	1.323
44				2.750	2.755	3.311	3.050	1.448
48				3.000	3.005	3.561	3.300	1.573

**AEROSPACE STANDARD**CONNECTORS, RECEPTACLE, ELECTRIC,
JAM NUT MOUNTING, FRONT RELEASE,
CRIMP CONTACT, AN TYPE**AS34041™**
SHEET 2 OF 4**REV.**
B

TABLE 1 – DIMENSIONS (CONTINUED)

SIZE	DD ± .008 O RING PROJECTION	O RING SIZE AS568 NO.	MS3186 DASH # (REF)
8S	.020	-020	-25, -26, -27
10S		-021	-31, -32, -33
10SL		-021	-31, -32, -33
12S		-023	-37, -38, -39
12		-023	-37, -38, -39
14S		-026	-40, -41, -42
14		-026	-40, -41, -42
16S		-028	-43, -44, -45
16		-028	-43, -44, -45
18		-029	-46, -47, -48
20		-030	-49, -50, -51
22	.026	-131	-52, -53, -54
24		-133	-55, -56, -57
28		-137	-61, -62, -63
32		-141	-64, -65, -66
36		-145	-67, -68, -69
40		-149	-70, -71, -72
44		-151	-73, -74, -75
48		-152	-76, -77, -78

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.