

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.

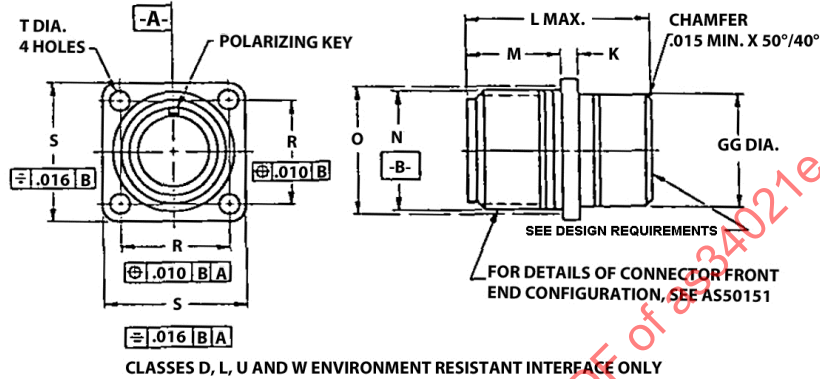


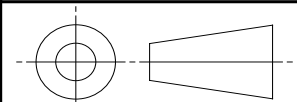
FIGURE 1 - CONNECTOR CONFIGURATION AND DIMENSIONS

TABLE 1 - DIMENSIONS

SIZE	DIA GG ±.015	K ±.015	L MAX		M +.031 -.001	N +.000 -.062	O (REF) MTG HOLES	R ℓ - ℓ	S ±.031	T +.010 -.005
			SIZE 16 AND 12 CONTACTS	SIZE 8, 4, AND 0 CONTACTS						
8S	.500	.083	1.662	N/A	.562	.532	.562	.594	.875	.120
10S	.625				.562	.656	.688	.719	1.000	
10SL	.625				.562	.656	.688	.719	1.000	
12S	.750				.750	.782	.812	.812	1.094	
14S	.875				.562	.906	.938	.906	1.188	
14	.875				.750	.906	.938	.906	1.188	
16S	1.000	.125	1.662	1.937	.562	1.032	1.062	.969	1.281	.147
16	1.000				.562	1.032	1.062	.969	1.281	
18	1.062				.750	1.156	1.188	1.062	1.375	
20	1.187					1.282	1.312	1.156	1.500	
22	1.312					1.406	1.438	1.250	1.625	
24	1.437					1.532	1.562	1.375	1.750	
28	1.750				.812	1.782	1.812	1.562	2.000	
32	2.000					2.032	2.062	1.750	2.250	
36	2.250					2.282	2.312	1.938	2.500	
40	2.500				.875	2.532	2.562	2.188	2.750	
44	2.750					2.782	2.812	2.375	3.000	
48	3.000					3.032	3.062	2.625	3.250	

For more information on this standard, visit
<https://www.sae.org/standards/content/AS34021E/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS50151



AEROSPACE STANDARD

CONNECTOR, RECEPTACLE, ELECTRIC, BOX
MOUNTING, FRONT RELEASE, CRIMP
CONTACT, AN TYPE

AS34021™
SHEET 1 OF 2

REV.
E