

REV. B

SAE AS34121

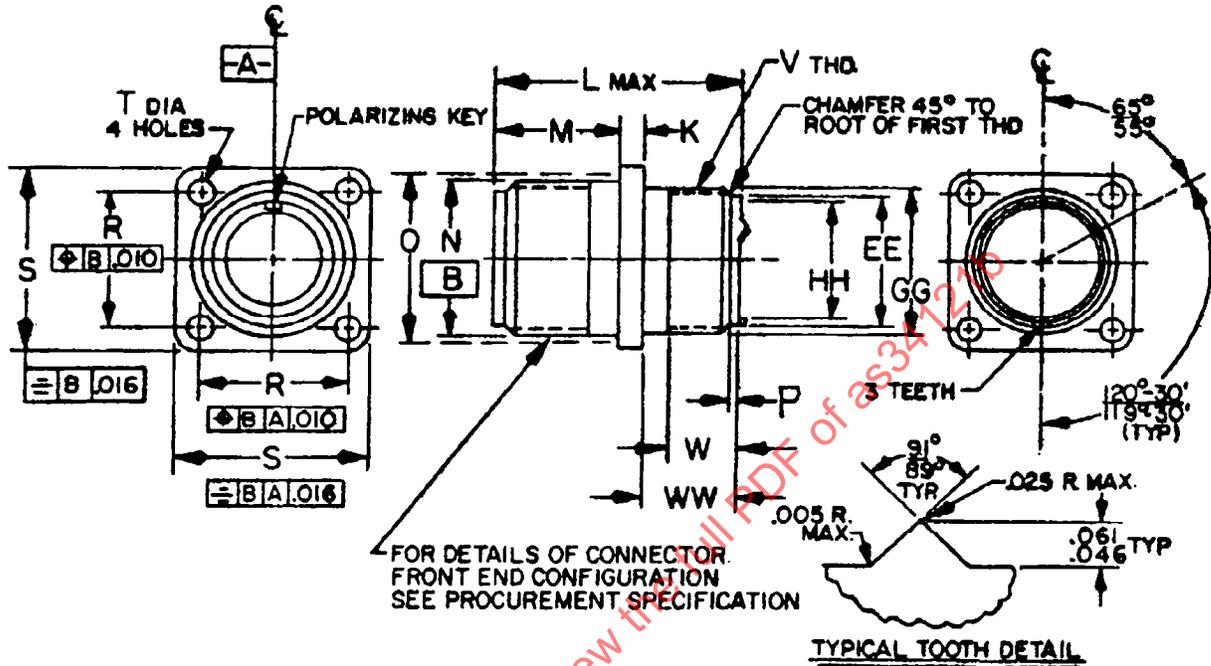
FEDERAL SUPPLY CLASS
5935

RATIONALE

LIMIT SCOPE REVISION REQUIRED TO INCORPORATE AS34121-A1

NOTICE

THE REQUIREMENTS FOR ACQUIRING THE COMPONENTS DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF AS50151.

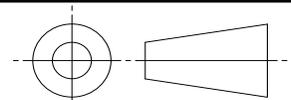


CLASSES D, L, U, W ENVIRONMENT RESISTANT INTERFACE ONLY - WITH ACCESSORY THREADS

FIGURE 1 - AS34121 CONFIGURATION

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS34121B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS50151

SAE Aerospace
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AEROSPACE STANDARD
CONNECTORS, RECEPTACLE, ELECTRIC, WALL MOUNTING, FRONT RELEASE, CRIMP CONTACT, AN TYPE - WITH ACCESSORY THREADS

SAE AS34121
SHEET 1 OF 4

REV. B

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ISSUED 1997-10 REAFFIRMED 2003-11 REVISED 2010-12

TABLE 1 – AS34121 DIMENSIONS

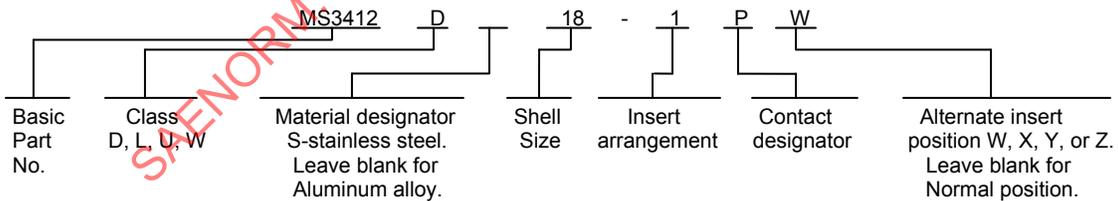
SIZE	K ±.015	L MAX		M +.031 -.000	N +.000 -.062	O (REF) MTG. HOLE	R T.P. C _L -C _L	S ±.031	T +.010 -.005
		SIZE 16 & 12 CONT'S	SIZE 8, 4 & 0 CONT'S						
8S	.083	1.662		.562	.532	.562	.594	.875	.120
10S	↑	↑		↑	.656	.688	.719	1.000	↑
10SL				↓	.656	.688	.719	1.000	
12S				.562	.782	.812	.812	1.094	
12				.750	.782	.812	.812	1.094	
14S				.562	.906	.938	.906	1.188	
14				.750	.906	.938	.906	1.188	
16S	↓			.562	1.032	1.062	.969	1.281	
16	.083		1.937	.750	1.032	1.062	.969	1.281	
18	.125		↑	↑	1.156	1.188	1.062	1.375	
20	↑		↑	↓	1.282	1.312	1.156	1.500	↓
22			↑	.750	1.406	1.438	1.250	1.625	.120
24			↑	.812	1.532	1.562	1.375	1.750	.147
28			↑	.812	1.782	1.812	1.562	2.000	.147
32			↑	.875	2.032	2.062	1.750	2.250	.173
36			↑	↑	2.282	2.312	1.938	2.500	↑
40			↓	↓	2.532	2.562	2.188	2.750	↓
44	↓	↓	↓	↓	2.782	2.812	2.375	3.000	↓
48	.125	1.662	1.937	.875	3.032	3.062	2.625	3.250	.173

SAENORM.COM : Click to view the full PDF of AS34121

TABLE 1 (CONTINUED) – AS34121 DIMENSIONS

SIZE	V THREAD CLASS 2A	EE	GG MAX	HH ±.005	P ±.005	W MIN	WW MIN
8S	.500-20 UNEF	.426 .419	.499	.368	.065	.290	.310
10S	.625-24 ↑	.562 .555	.625	.502	↑	↑	↑
10SL	.625-24	.562 .555	.625	.502			
12S	.750-20	.679 .672	.750	.618			
12	.750-20	.679 .672	.750	.618			
14S	.875-20	.804 .797	.875	.743			
14	.875-20	.804 .797	.875	.743			
16S	1.000-20	.929 .922	1.000	.868			
16	1.000-20	.929 .922	1.000	.868			
18	1.062-18	.984 .977	1.062	.924			
20	1.188-18	1.109 1.102	1.187	1.049			
22	1.312-18 ↓	1.234 1.227	1.312	1.174		↓	↓
24	1.438-18 UNEF	1.359 1.352	1.437	1.299	.065	.290	.310
28	1.750-18 UNS	1.613 1.603	1.750	1.520	.095	.467	.487
32	2.000-18 UNS	1.863 1.853	2.000	1.770	↑	↑	↑
36	2.250-16 UN	2.113 2.103	2.250	1.985			
40	2.500-16 UN	2.363 2.353	2.500	2.200			
44	2.750-16 UN	2.613 2.603	2.750	2.455	↓	↓	↓
48	3.000-16 UN	2.858 2.848	3.000	2.705	.095	.467	.487

Example of part no: MS3412D 18-1P W



NOTES

1. DIMENSIONS ARE IN INCHES.
2. UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±.016.
3. DIMENSIONS AND TOLERANCING IN ACCORDANCE WITH ANSI Y14.5.
4. AS50151 CRIMP CONTACT, FRONT AND REAR RELEASE CONNECTORS AND SOLDER CONTACT CONNECTORS ARE INTERMATEABLE.
5. UNLESS OTHERWISE SHOWN, CORRESPONDING FEATURES OF PIN AND SOCKET CONTACT CONNECTORS ARE IDENTICAL.