

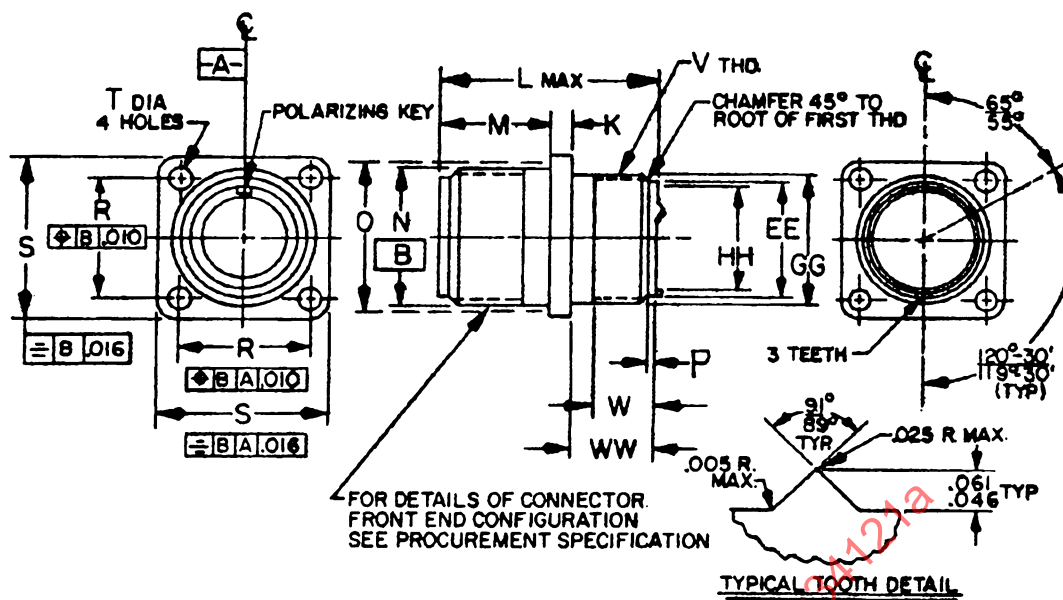
SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

REV. A	FEDERAL SUPPLY CLASS 5935	
	NOTICE THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS3412D AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MS3412D. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED. THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT. ANY MATERIAL RELATING TO QUALIFIED PRODUCT LISTS HAS NOT BEEN ADOPTED BY SAE. THIS MATERIAL WAS PART OF THE ORIGINAL MILITARY SPECIFICATION AND IS REPRINTED HERE FOR HISTORIC REFERENCE ONLY.	
AS34121		
SAENORM.COM : Click to view the full PDF of as34121a		
ISSUED 1997-10 REVISED 1998-01 REAFFIRMED 2003-11		
PREPARED BY SUBCOMMITTEE AE-8C1		PROCUREMENT SPECIFICATION MIL-C-5015
	AEROSPACE STANDARD	
	CONNECTORS, RECEPTACLE, ELECTRIC, WALL MOUNTING, FRONT RELEASE, CRIMP CONTACT, AN TYPE - WITH ACCESSORY THREADS	
AS34121 SHEET 1 OF 5		REV. A

REV.
A

AS34121



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

REV.
A

AS34121

SIZE	K ±.015	L MAX		M +.031 -.000	N +.000 -.062	O (REF) MTG. HOLE	R T.P. CL-CL	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

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	.085	.467	.487
32	2.000-16 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 18-1PW

