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REV.
F

AS34021™

RATIONALE

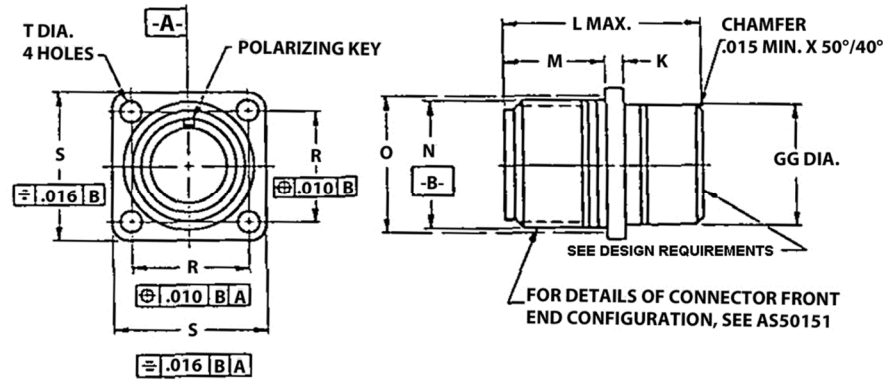
ADD LIMITED USE OF TIN/ZINC FINISH CLASS PER THE COMMITTEE'S DECISION. MINOR EDITORIAL CORRECTIONS.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS50151.

MILITARY AND/OR GOVERNMENT AGENCIES LISTED HEREIN ARE THOSE OF THE UNITED STATES. FOR OTHER LOCATIONS, USERS OF THIS SPECIFICATION ARE ADVISED TO CONSULT THEIR LOCAL REGULATIONS.

FEDERAL SUPPLY CLASS
5935



CLASSES D, DV, L, U, W ENVIRONMENT RESISTANT INTRFACE ONLY

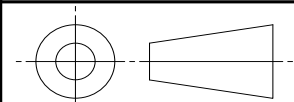
FIGURE 1 - CONNECTOR CONFIGURATION AND DIMENSIONS

TABLE 1 - DIMENSIONS

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

For more information on this standard, visit
<https://www.sae.org/standards/content/AS34021F/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS50151



AEROSPACE STANDARD

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

AS34021™
SHEET 1 OF 2

REV.
F

Documents

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REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS50151.

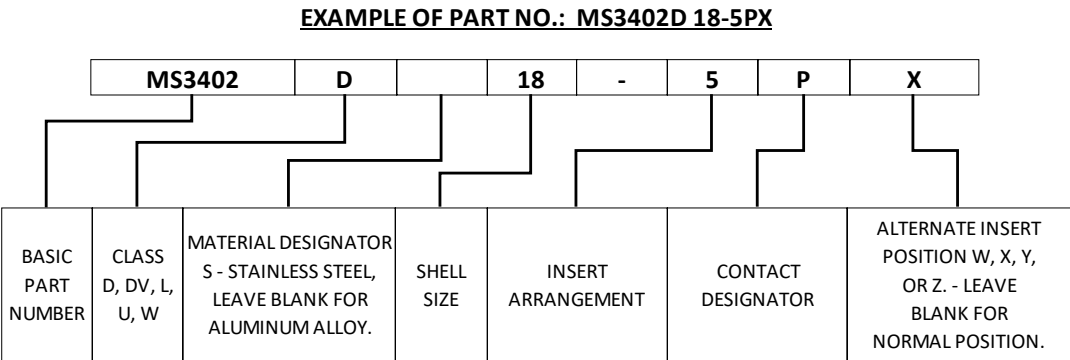
1. DESIGN:

CONNECTORS AND ACCESSORIES SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS $\pm .016$, ANGLES $\pm .5^\circ$. DIMENSIONING AND TOLERANCING SHALL BE IN ACCORDANCE WITH ASME Y14.5-2018. AS50151 CRIMP CONTACT, FRONT AND REAR RELEASE CONNECTORS, AND SOLDER CONTACT CONNECTORS ARE INTERMATEABLE. UNLESS OTHERWISE SHOWN, CORRESPONDING FEATURES OF PIN AND SOCKET CONTACT CONNECTORS ARE IDENTICAL. THE INSULATION MATERIAL SHALL BE ABOVE, FLUSH WITH, OR NO MORE THAN .015 INCH BELOW THE METAL SHELL AND ALL CONTACTS SHALL BE RECESSED BELOW THE INSULATION MATERIAL. FOR INSERT ARRANGEMENTS, REFER TO MIL-STD-1651.

2. CONTACTS: THE CONTACTS FOR AS34021 SHALL BE AS SPECIFIED IN AS50151.

3. TOOLS: THE TOOLS FOR INSERTING AND REMOVING THE AS39029 CONTACTS SHALL BE AS SPECIFIED IN AS50151.

4. EXAMPLE OF PART NUMBER:



APPLICATION NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

- 1. THE FRONT FACE OF THIS CONNECTOR PROVIDES ENVIRONMENTAL SEALING WHEN COUPLED TO ITS CORRESPONDING PLUG CONNECTOR AND FULLY LOADED WITH THE APPLICABLE CONTACTS. THE REAR OF THIS CONNECTOR IS NONENVIRONMENTAL AND THE CONNECTOR IS INTENDED FOR USE ON BOXES WHERE THE REAR ENVIRONMENTAL SEAL IS ACHIEVED BY SOME OTHER MEANS.
- 2. AS34021 CLASSES L, U, AND W ARE NOT RECOMMENDED FOR NEW DESIGN AND ARE NO LONGER RECOMMENDED FOR USE EXCEPT FOR REPLACEMENT PURPOSES. CLASS D IS RECOMMENDED FOR NEW DESIGN.
- 3. AS34021 SUPERSEDES MS3402.
- 4. DV IS NOT APPROVED FOR NAVAIR AND AIR FORCE USE.

SPECIFICATION NOTES:

- 1. REVISION INDICATOR: A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.