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AS25226™

RATIONALE

LIMITED SCOPE REVISION IS REQUIRED TO MAKE DOCUMENT CHANGES TO ELIMINATE CONDITIONS THAT HAVE RESULTED IN PRODUCT FIELD FAILURES: (1) CHANGE TABLE 1 "D" HOLE DIAMETER FOR -4A AND CHANGE THE "E" DIMENSION FOR -4A AND -10A, (2) ADD INFO TO THE STOCK DEPLETION STATEMENT, AND (3) ADD TABLE 3 (AS27212 APPLICATION DETAILS) TO THE APPLICATION NOTES.

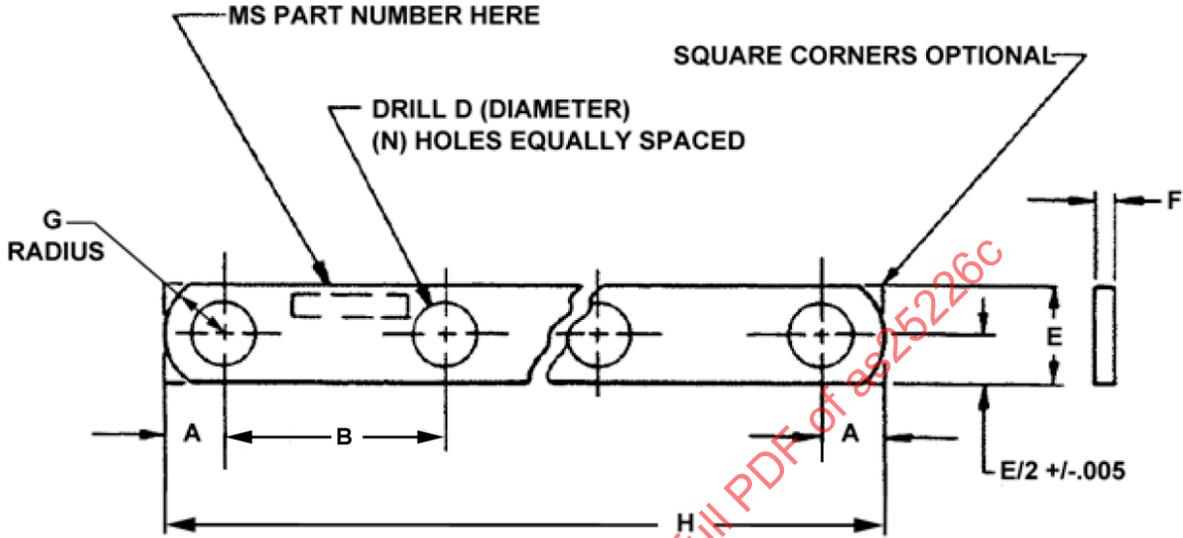
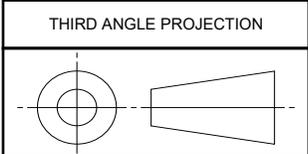


FIGURE 1 - TERMINAL LINK CONFIGURATION

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For more information on this standard, visit
<https://www.sae.org/standards/content/AS25226C/>



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

LINK, TERMINAL, CONNECTING

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ISSUED 1998-08 REAFFIRMED 2009-04 REVISED 2021-10

TABLE 1 - FIGURE 1 DIMENSIONS

DASH NO. (SEE FOOTNOTE 1/)				STUD SIZE	A ±.010	B (SEE REQMT 1)	HOLE DIA D ±.005	E ±.010	F ±.003	G ±.03	H REF	MAX CAPACITY IN AMPS
CADMIUM PLATE	SILVER PLATE (SEE APPL NOTE 2)	NICKEL PLATE	TIN PLATE									
-2A- (N)	-2AS- (N)	-2AN- (N)	-2AT- (N)	NO. 6	.219	.594	.2012	.305	.032	.19	.594 (N-1) +.438	40
-4A- (N)	-4AS- (N)	-4AN- (N)	-4AT- (N)	NO. 10	.219	.750	.2130	.450	.051	.31	.750 (N-1) +.438	70
-6A- (N)	-6AS- (N)	-6AN- (N)	-6AT- (N)	1/4	.312	1.500	.313	.625	.051	.50	1.500 (N-1) +.624	90
-8A- (N)	-8AS- (N)	-8AN- (N)	-8AT- (N)	5/16	.312	1.500	.3754	.625	.051	.50	1.500 (N-1) +.624	90
-10A- (N)	-10AS- (N)	-10AN- (N)	-10AT- (N)	NO. 8	.219	.750	.2272	.388	.051	.31	.750 (N-1) +.438	50
-12A- (N)	-12AS- (N)	-12AN- (N)	-12AT- (N)	3/8	.312	1.500	.4379	.625	.051	.50	1.500 (N-1) +.624	90

1/ (N) INDICATES NUMBER OF HOLES IN BUS.

TABLE 2 - TABLE 1 METRIC CONVERSION

INCH	MM	INCH	MM	INCH	MM	INCHES	MM
.003	0.076	.174	4.420	.3130	7.950	.750	19.505
.005	0.127	.190	4.826	.350	8.890	1.500	38.100
.010	0.254	.2012	5.111	.375	9.525		
.030	0.762	.219	5.563	.386	9.804		
.032	0.813	.2272	5.771	.4379	11.123		
.051	1.295	.250	6.350	.500	12.700		
.138	3.505	.2581	6.556	.594	15.088		
.147	3.734	.310	7.874	.625	15.875		
.164	4.166	.312	7.925	.675	17.145		

REQUIREMENTS:

- DESIGN: THE TERMINAL LINK SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.010. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.

FIGURE 1-TOLERANCE BETWEEN ANY 2 HOLES OF THE BUS (B DIMENSION) SHALL BE ±.010 INCH (NONCUMULATIVE).

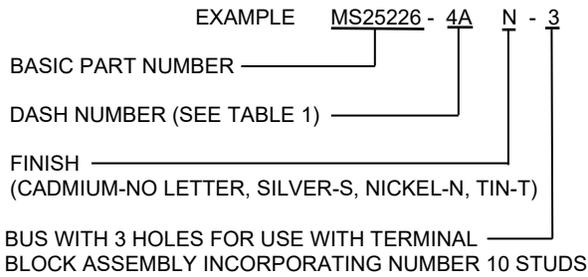
BREAK ALL SHARP EDGES.

- MATERIAL: COPPER: BARS, RODS, AND SHAPES, IN ACCORDANCE WITH ASTM B187/B187M OR ASTM B272. COPPER: SHEETS, STRIPS, PLATES, AND ROLLED BARS IN ACCORDANCE WITH ASTM B152/B152M.
- FINISH: CADMIUM PLATE, SILVER PLATE, NICKEL PLATE, OR TIN PLATE.
 - CADMIUM PLATE, IN ACCORDANCE WITH AMS-QQ-P-416, CLASS 3, TYPE II, FOR MAXIMUM TEMPERATURE OF 450 °F. NOT TO BE USED IN CONTACT WITH TITANIUM OR IN VACUUM APPLICATIONS, INCLUDING OUTER SPACE (SEE APPLICATION NOTE 1 AND SPECIFICATION NOTES).
 - SILVER PLATE, IN ACCORDANCE WITH ASTM B700, MINIMUM THICKNESS .0002 INCH. NOT TO BE USED IN CONTACT WITH TITANIUM.
 - NICKEL PLATE, IN ACCORDANCE WITH AMS-QQ-N-290, TYPE V, MINIMUM THICKNESS .0005 INCH FOR EXTERIOR APPLICATION AND TYPE VII, MINIMUM THICKNESS .0001 INCH FOR INTERNAL APPLICATION.
 - TIN PLATE, IN ACCORDANCE WITH ASTM B545 MATTE TIN ELECTRODEPOSITS FINISH, MINIMUM THICKNESS .0005 INCH FOR 330 °F MAXIMUM TEMPERATURE APPLICATIONS. THE PLATING SHALL NOT BE GREATER THAN 97% PURE TIN TO PREVENT DENDRITE (TIN WHISKER) FORMATION. LEAD OR OTHER SUITABLE MODIFIERS SHALL BE USED.

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4. PART OR IDENTIFYING NUMBER (PIN): EACH PART SHALL BE PERMANENTLY MARKED WITH THE PART NUMBER AS SHOWN BELOW. THE LAST DIGIT OF THE PART NUMBER FOR THE NUMBER OF HOLES IS OPTIONAL.

EXAMPLE OF PIN: MS25226-4AN-3



5. FOR TERMINAL BLOCK ASSEMBLY, USE AS27212 (SEE TABLE 3).
6. FOR DESIGN FEATURE PURPOSES, THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER ACQUISITION DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON THE DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL, EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.
7. STOCK DEPLETION: THIS REVISION CONTAINS TECHNICAL CHANGES THAT MAY AFFECT THE APPLICATION OF THIS PART. PARTS PRODUCED BY PREVIOUS REVISIONS SHOULD ONLY BE PROVIDED TO PURCHASE ORDERS THAT SPECIFY A PREVIOUS REVISION LETTER. THE -2A (N), -4AN-, -6A-(N), -10A-(N)-CAN BE SHIPPED FOR THE PREVIOUS -2-(N), -4-(N), -6-(N), -10-(N) PART NUMBERS. THE -2-(N), -4-(N), -6-(N), -10-(N) CANNOT BE SHIPPED FOR PURCHASE ORDERS THAT SPECIFY THE 2A-(N), 4A-(N), 6A-(N), OR 10 A-(N), UNLESS THIS REVISION IS WAIVED BY THE PURCHASING ACTIVITY. PARTS PRODUCED TO REVISION AS25226A ARE NOT APPROVED FOR DISTRIBUTION. THE PREVIOUS B REVISION OF THIS DOCUMENT -4A AND -10A ARE NO LONGER APPROVED FOR MANUFACTURE AND USAGE, AS IT CREATES INTERFERENCE WITH THE AS27212 -2 AND -6 TERMINAL BLOCKS, RESPECTIVELY. THE -4A AND -10A MUST BE SCRAPPED.

APPLICATION NOTES:

- CADMIUM PLATED TERMINAL LINKS ARE NOT RECOMMENDED FOR NEW DESIGN.
- SILVER PLATED PARTS ARE NOT RECOMMENDED FOR U.S. AIR FORCE ACQUISITION.
- PART NUMBER MS25226-2 (N) THROUGH -8-(N), REPLACE AND ARE INTERCHANGEABLE WITH AN3433-2-(N) THROUGH AN3433-8-(N).
- PART NUMBER CLARIFICATION:

REPLACEMENT DASH NUMBER	DASH NUMBER
-2A-(N)	-2-(N)
-4A-(N)	-4-(N)
-6A-(N)	-6-(N)
-8A-N SEE FOOTNOTE 1 BELOW	-8-(N) SEE FOOTNOTE 1 BELOW
-10A-(N)	-10-(N)
-12A-(N) SEE FOOTNOTE 1 BELOW	

1/ THE -8-(N) PREVIOUSLY WAS APPROVED FOR BOTH THE 5/16 AND 3/8 INCH STUD SIZE. THE -8A-(N) IS ONLY APPROVED FOR 5/16 INCH STUD SIZE. THE DASH -12A-(N) IS ONLY APPROVED FOR 3/8 INCH STUD SIZE.

5. AS27212 APPLICATION TABLE:

TABLE 3 - AS27212 APPLICATIONS

AS25226	FITS ON AS27212
-2	-1
-4	-2
-6	-3
-8	-4
-10	-6
-12	-5