

AS7928/7

FEDERAL SUPPLY CLASS
5940

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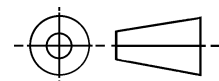
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THIRD ANGLE PROJECTION



ISSUED 1999-04 REAFFIRMED 2011-01

PREPARED BY SAE SUBCOMMITTEE AE-8C2

PROCUREMENT SPECIFICATION: NONE

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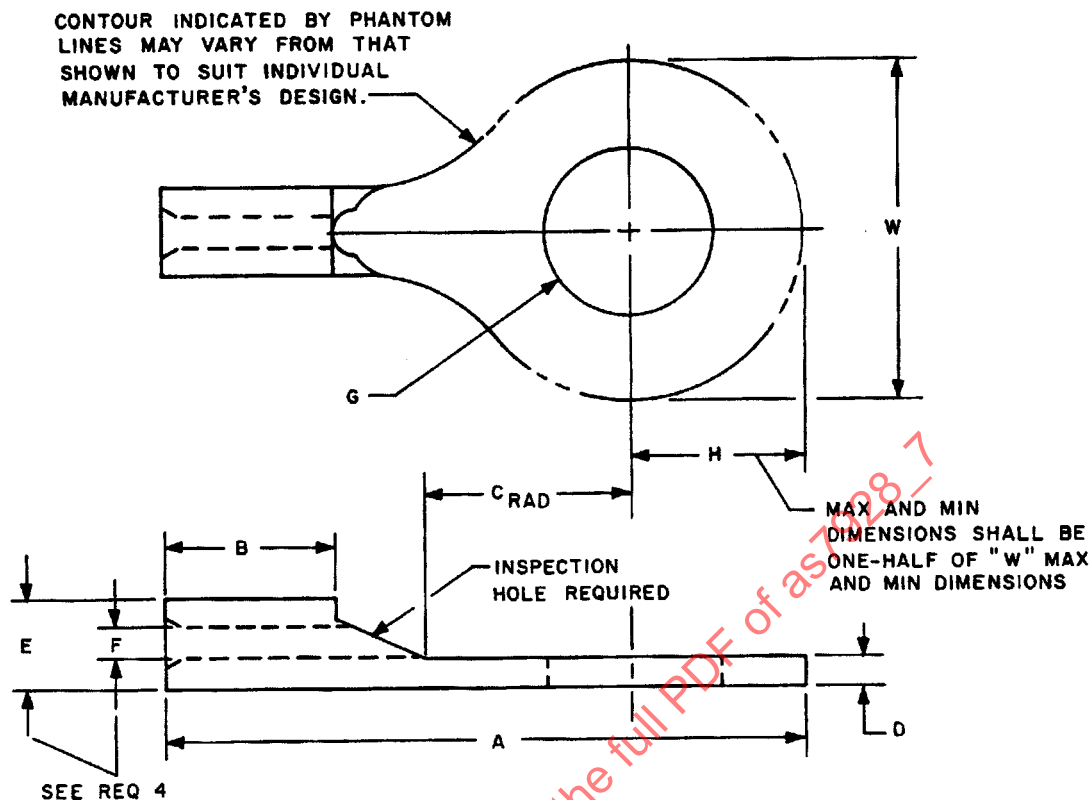
AEROSPACE STANDARD

TERMINAL LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, COPPER,
TERMINAL LUG, CRIMP STYLE, COPPER, UNINSULATED, RING TONGUE
TYPE I, CLASS 1
FOR 175°C TOTAL CONDUCTOR TEMPERATURE

AS7928/7
SHEET 1 OF 5

THE COMPLETE REQUIREMENTS FOR ACQUIRING THE TERMINALS DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-T-7928.

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SHEET 2 OF 5

TABLE I

Dash No.	Wire Size	Stud Size	A Max.	B Min.	C Min. Rad.	D		E Dia.	F Dia.	G		W		MTL-T-16366 (SHIPS) Reference	
						Max.	Min.			Max.	Min.	Max.	Min.		
-1	22-18	2 (.086)	.560	.240	.115			.165 .110	.070 .052	.098	.090	.230	.198	1-2	
-2		4 (.112)													.122
-3		6 (.138)	.747		.200					.152	.142	.320	.275		
-4		10 (.190)	.747		.200					.203	.193	.320	.275		L36, 1-2
-5		5/16 (.3125)	.953		.312					.338	.323	.540	.450		L65, 1-2
-6		3/8 (.375)	1.125		.380					.400	.385	.609	.520		L66, 1-2
-7	16-14	6 (.138)	.747	.200	.037	.023	.192 .139	.098 .081	.152	.142	.320	.275	L33, 2-1/2-4		
-8		10 (.190)	.747	.200	.203	.193			.320	.275	L36, 2-1/2-4				
-9		5/16 (.3125)	.953	.312	.338	.323			.540	.450	L65, 2-1/2-4				
-10		3/8 (.375)	1.125	.380	.400	.385			.609	.520	L66, 2-1/2-4				
-11		4 (.112)	.560	.115	.122	.114			.250	.240	2-1/2-4				

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REQUIREMENTS:

1. MATERIAL: SOFT COPPER, QQ-C-502, CLASS A
COPPER TUBING, ASTM B75-68
GILDING METAL, 95 PERCENT COPPER, 5 PERCENT ZINC.
2. FINISH: TIN PLATED. SEE ACQUISITION SPECIFICATION.
3. QUALIFICATION TESTING: FOR QUALIFICATION, TERMINALS SHALL BE TESTED WITH ANY ONE OF THE FOLLOWING WIRES: MIL-W-22759/1, 9 OR 11 OR MIL-W-81381/1, 3 OR 7, AND TOOLING AS FOLLOWS:
MIL-C-22520/24 HAND CRIMPING TOOL. MIL-C-915 AND MIL-C-2194 CABLES MAY BE USED WITH MIL-C-22520/25 OR MIL-C-22520/24 HAND CRIMPING TOOL.
4. AVERAGE DIAMETER OF "E" AND "F" DIMENSIONS MUST BE WITHIN QUALIFICATION DIMENSIONS: MAX AND MIN. DIMENSIONS DUE TO OVALIZATION MUST BE WITHIN 3% OF SPECIFICATION REQUIREMENTS.
5. WHERE SPLIT BARREL CONSTRUCTION IS USED, THE SPLIT SHALL BE PERMANENTLY SEALED AND SHALL NOT OPEN AS A RESULT OF CRIMPING.
6. PART NUMBER. THE PART NUMBERS SHALL CONSIST OF THE LETTER "M", SPECIFICATION SHEET NUMBER, AND DASH NUMBER.

EXAMPLE OF PART NUMBER: M7928/7-2 TERMINAL TERMINAL FIT SIZE 22-18 WIRE WITH 0.190 STUD SIZE HOLE.

NOTES:

1. DIMENSIONS IN INCHES.
2. METRIC EQUIVALENTS (TO THE NEAREST .01 mm) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 mm.

TABLE II (REF)

Size	Navy Cable Size
22-18	1 (1)
	1 (7)
	1 (10)
	1 - 1/2 (1)
	1 - 1/2 (7)
	1 - 1/2 (16)
	1 - 1/2 (41)
16-14	2 (7)
	2 - 1/2 (1)
	2 - 1/2 (19)
	2 - 1/2 (26)
	3 (7)
	4 (1)
	4 (19)
	4 (7)
	4 (41)