

**REV.  
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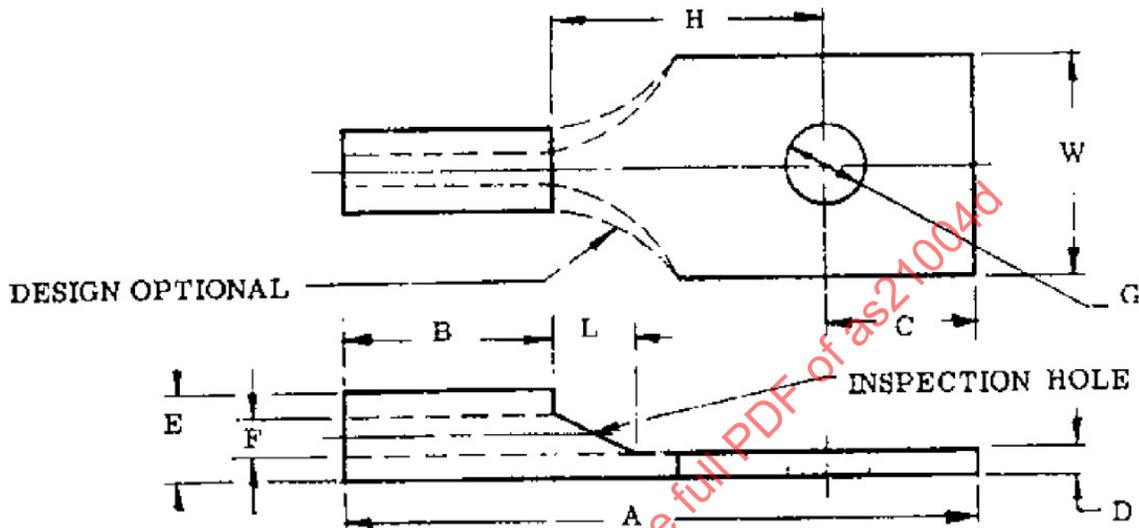
**AS21004™**

**RATIONALE**

REVISION IS REQUIRED TO CHANGE THE TOTAL CONDUCTOR TEMPERATURE FROM 175 TO 150 °C AND TO MAKE MINOR TECHNICAL CHANGES AS NEEDED.

**NOTICE**

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS7928.

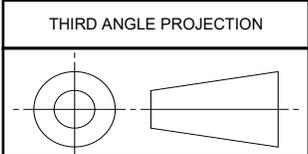


**FIGURE 1 - TERMINAL CONFIGURATION**

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ISSUED 2002-02 REVISED 2022-07

CUSTODIAN: AE-8/AE-8C2		PROCUREMENT SPECIFICATION: AS7928	
	<b>AEROSPACE STANDARD</b>		<b>AS21004™</b> SHEET 1 OF 3
	TERMINAL, LUG, UNINSULATED, RECTANGULAR TONGUE, CRIMP STYLE, COPPER, TYPE I, CLASS 1, FOR 150 °C TOTAL CONDUCTOR TEMPERATURE		

**TABLE 1 - TERMINAL CONFIGURATION DIMENSIONS**

DASH NO.	WIRE SIZE	STUD SIZE	A MAX	B MIN	C ±.010	D	E	F	G		H	L	W	MIL-T-16366 (SHIPS) REFERENCE
									MAX	MIN	MIN	MAX	±.005	
22 1/		2 (.086)	.759	.240	.110				.098	.090	.203	.125	.182	
1	22-18	4 (.112)	.826	.250	.143	.037	.165	.070	.122	.114	.237	.125	.237	L-86, 1-2
2		5 (.125)	.858		.143				.137	.129	.277	.125	.277	L-83, 1-2
3		8 (.164)	1.040		.227				.178	.168	.465	.250	.302	L-82, 1-2
4		6 (.138)	1.040		.227				.152	.142	.465	.250	.302	L-81, 1-2
5		4 (.112)	.980		.195				.122	.114	.404	.156	.237	L-85, 1-2
6		6 (.138)	.980		.195				.152	.142	.404	.166	.237	L-84, 1-2
7		8 (.164)	1.290		.310				.178	.168	.621	.281	.390	L-80, 1-2
8	16-14	4 (.112)	.889	.250	.143	.037	.192	.090	.122	.114	.237	.125	.237	L-86, 2-1/2-4
9		5 (.125)	.921		.143				.137	.129	.277	.125	.277	L-83, 2-1/2-4
10		8 (.164)	1.075		.227				.178	.168	.465	.250	.302	L-82, 2-1/2-4
11		6 (.138)	1.075		.227				.152	.142	.465	.250	.302	L-81, 2-1/2-4
12		4 (.112)	1.043		.195				.122	.114	.404	.166	.237	L-85, 2-1/2-4
13		6 (.138)	1.043		.195				.152	.142	.404	.156	.237	L-84, 2-1/2-4
14		8 (.164)	1.294		.310				.178	.168	.621	.281	.390	L-80, 2-1/2-4
15	12-10	4 (.112)	1.014	.250	.143	.043	.255	.135	.122	.114	.237	.125	.237	L-86, 6-9
16		5 (.125)	1.146		.143				.137	.129	.277	.125	.277	L-83, 6-9
17		8 (.164)	1.200		.227				.178	.168	.465	.250	.302	L-82, 6-9
18		6 (.138)	1.200		.227				.152	.142	.465	.250	.302	L-81, 6-9
19		4 (.112)	1.168		.195				.122	.114	.404	.156	.237	L-85, 6-9
20		6 (.136)	1.168		.195				.152	.142	.404	.156	.237	L-84, 6-9
21		8 (.164)	1.419		.310				.178	.168	.621	.281	.390	L-80, 6-9

1/ TERMINAL SIZE 22 IS NOT RECOMMENDED FOR USAGE. THERE IS NO KNOWN SOURCE OF SUPPLY. CONTACT THE AS21004 QUALIFIED SOURCE FOR FURTHER SUPPORT.

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS7928.

1. TERMINAL CONFIGURATION:

TERMINAL CONFIGURATION IS AS SHOWN IN FIGURE 1 AND TABLE 1. DESIGN IS OPTIONAL WITHIN THE DIMENSIONS SHOWN. DIMENSIONS ARE IN INCHES. STUD SIZE DIMENSIONS ARE SHOWN IN PARENTHESES.

2. MATERIAL:

TERMINAL SHALL BE TIN PLATED OVER COPPER BASE METAL.

3. PART IDENTIFICATION NUMBER (PIN):



4. CRIMP TOOLS:

TERMINAL SHALL BE CRIMP WITH THE TOOLS SPECIFIED IN TABLE 2. CLASS II TOOLS MAY BE USED IN ACCORDANCE WITH AS7928.

**TABLE 2 - CRIMP TOOLS PART NUMBERS**

MS21004 WIRE SIZE	M22520/38-01 CRIMP CAVITY
22 THROUGH 14	AB
12 THROUGH 10	C

5. QUALIFICATION CABLES:

AS7928 QUALIFICATION SHALL BE PERFORMED WITH MIL-DTL-915 SINGLE CONDUCTOR CABLE.