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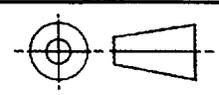
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THIRD ANGLE PROJECTION



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PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, COPPER, INSULATED, RECTANGULAR TONGUE, FOR THIN WALL WIRE, TYPE II, CLASS 1 FOR 150°C TOTAL CONDUCTOR TEMPERATURE

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SHEET 1 OF 5

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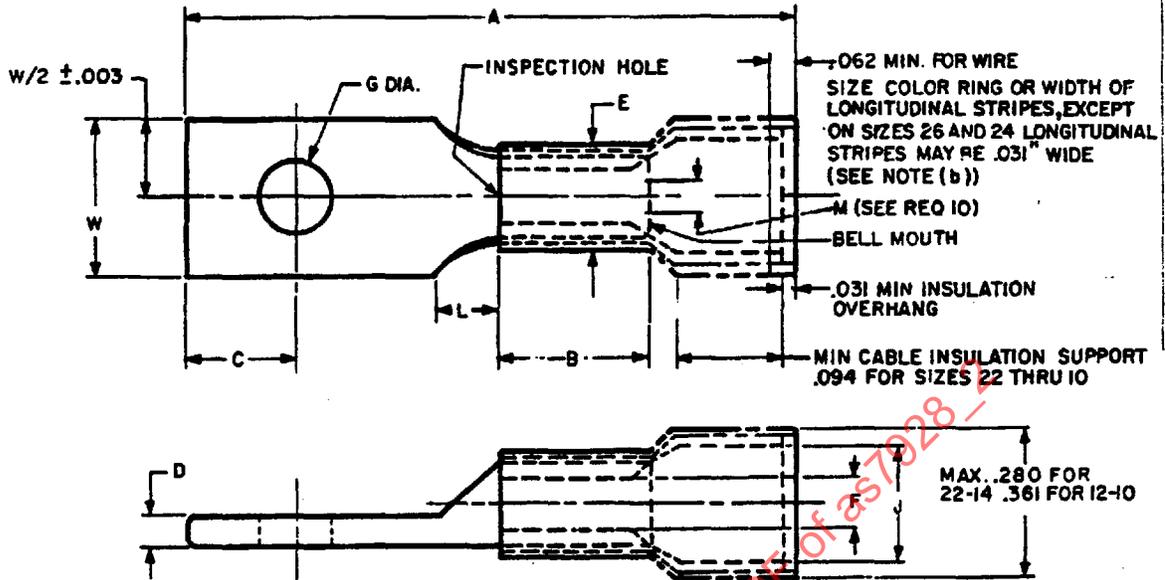
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THE COMPLETE REQUIREMENTS FOR ACQUIRING THE TERMINAL DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE ISSUE IN EFFECT OF SPECIFICATION MIL-T-7928.



NOTES:

- (a) DIMENSIONS IN INCHES.
- (b) THE COLOR RING MUST COVER A MINIMUM OF 315° OF THE CIRCUMFERENCE. IN LIEU OF THE WIRE SIZE COLOR RING, 3 OR MORE LONGITUDINAL STRIPES EQUALLY SPACED ON THE INSULATION PORTION OF THE TERMINAL MAY BE USED. THE STRIPES MUST EXTEND TO WITHIN 1/16" OF THE ENDS OF THE INSULATION AND MUST NOT OBLITERATE THE BASIC SLEEVE COLOR.

REQUIREMENTS:

1. MATERIALS: SEE ACQUISITION SPECIFICATION.
2. FINISH: SEE ACQUISITION SPECIFICATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. CONTOUR INDICATED BY PHANTOM LINES MAY VARY FROM THAT SHOWN TO SUIT INDIVIDUAL MANUFACTURER'S DESIGN.
5. INSULATION SUPPORT AND TERMINAL BARREL MAY BE MULTIPLE-PIECE CONSTRUCTION.
6. WIRE INSERTION SHALL BE FACILITATED BY BELL MOUTH.
7. AVERAGE DIAMETER OF "E" AND "F" MUST BE WITHIN SPECIFICATION DIMENSIONS.
8. QUALIFICATION: FOR QUALIFICATION TESTING ONLY. TERMINALS SHALL BE TESTED WITH ANYONE OF THE FOLLOWING WIRES - MIL-W-22759/9 OR 11 OR MIL-W-81381/1, 3 OR 7 AND TOOLING AS FOLLOWS: MIL-C-22520/5-01 TOOLING WITH MIL-C-22520/5-100 OR 105 DIES INSTALLED FOR SIZES 22 THRU 14 TERMINALS AND MIL-C-22520/5-100 OR 104 DIES INSTALLED FOR SIZES 12 THRU 10 TERMINALS; OR MIL-C-22520/10-01 TOOLING WITH MIL-C-22520/10-101 DIES INSTALLED FOR SIZES 22 THRU 14 TERMINALS AND MIL-C-22520/10-100 DIES INSTALLED FOR SIZES 12 THRU 10 TERMINALS. EXISTING MS90413 AND MS3316 TOOLS IN THE FIELD MAY BE USED UNTIL WORN OUT.

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- 9. COLORS: WIRE SIZE COLOR SHALL BE IN ACCORDANCE WITH EIA STANDARD RS-359. THERE SHALL BE A DISTINCT CONTRAST BETWEEN THE INSULATION SLEEVE COLOR AND THE WIRE SIZE COLOR.
- 10. WIRE INSULATION STOP. DESIGN OPTIONAL.
- 11. PART NUMBER: THE PART NUMBER SHALL CONSIST OF THE LETTER "M", SPECIFICATION SHEET NUMBER, AND DASH NUMBER.

EXAMPLE OF PART NUMBER:

M7928/2-6 TERMINAL FOR SIZE 22 WIRE WITH A NO. 8 STUD HOLE.
- 12. WIRE INSULATION: THIS LUG DESIGN WILL NOT STOP INSULATION WITH A WALL THICKNESS OF LESS THAN .005 INCH.

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 <p>SAE The Engineering Society For Advancing Mobility INTERNATIONAL Land Sea Air and Space 400 Commonwealth Drive, Warrendale, PA 15096-0001</p>	<p align="center">AEROSPACE STANDARD</p> <p align="center">TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, COPPER, INSULATED, RECTANGULAR TONGUE, FOR THIN WALL WIRE, TYPE II, CLASS 1 FOR 150°C TOTAL CONDUCTOR TEMPERATURE</p>	<p align="center">AS7928/2 SHEET 3 OF 5</p>	
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TABLE I

DASH No.	WIRE SIZE	STD SIZE	A MAX.	B MAX.	C ±.010	D	E DIA	F DIA	G DIA.		J MIN. DIA	L MAX.	M ±.005	INSUL SLEEVE O.D.I.R.	WIRE SIZE O.D.I.R.	TYPICAL SHAPE REF (SILY)	MANY TERMINAL AND WIRE SIZE (REF ONLY)								
									MAX.	MIN.															
1	22	6 (.112)	.842	.156	.143	.037 -.029	.215 .190	.070 .034	.127	.114	.090	.125	.039 -.034	.237	RED	GREEN	L86P-1								
2		4 (.112)	1.061		.195				.156	.125		.156					.156	.156	.156	.156	.156	.156	L85P-1		
3		5 (.125)	.905		.143				.137	.129		.125					.125	.125	.125	.125	.125	.125	.125	L83P-1	
4		6 (.138)	1.061		.195				.152	.142		.156					.156	.156	.156	.156	.156	.156	.156	L84P-1	
5		6 (.138)	1.155		.227				.178	.168		.250					.250	.250	.250	.250	.250	.250	.250	L81P-1	
6		8 (.164)	1.405		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	L82P-1	
7		8 (.164)	1.405		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	L80P-1	
8		4 (.112)	.842		.143				.122	.114		.125					.125	.125	.125	.125	.125	.125	.125	.125	L86P-1
9	20	4 (.112)	1.061	.156	.195	.037 -.029	.215 .190	.070 .042	.122	.114	.090	.125	.048 -.042	.237	RED	RED	L86P-1								
10		4 (.112)	1.061		.195				.156	.125		.156					.156	.156	.156	.156	.156	.156	.156	L85P-1	
11		5 (.125)	.905		.143				.137	.129		.125					.125	.125	.125	.125	.125	.125	.125	.125	L83P-1
12		6 (.138)	1.061		.195				.152	.142		.156					.156	.156	.156	.156	.156	.156	.156	.156	L84P-1
13		6 (.138)	1.155		.227				.178	.168		.250					.250	.250	.250	.250	.250	.250	.250	.250	L81P-1
14		8 (.164)	1.405		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	.281	L82P-1
15		8 (.164)	1.405		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	.281	L80P-1
16		4 (.112)	.842		.143				.122	.114		.125					.125	.125	.125	.125	.125	.125	.125	.125	.125
17	18	4 (.112)	1.061	.156	.195	.037 -.029	.215 .190	.070 .052	.122	.114	.100	.125	.056 -.052	.237	RED	WHITE	L86P-1								
18		4 (.112)	1.061		.195				.137	.129		.125					.125	.125	.125	.125	.125	.125	.125	L85P-1	
19		5 (.125)	.905		.143				.137	.129		.125					.125	.125	.125	.125	.125	.125	.125	.125	L83P-1
20		6 (.138)	1.061		.195				.152	.142		.156					.156	.156	.156	.156	.156	.156	.156	.156	L84P-1
21		6 (.138)	1.155		.227				.178	.168		.250					.250	.250	.250	.250	.250	.250	.250	.250	L81P-1
22		8 (.164)	1.405		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	.281	L82P-1
23		8 (.164)	1.405		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	.281	L80P-1
24		4 (.112)	.842		.143				.122	.114		.125					.125	.125	.125	.125	.125	.125	.125	.125	.125
25	16	4 (.112)	1.061	.156	.195	.037 -.029	.240 .210	.090 .059	.122	.114	.110	.125	.063 -.059	.237	BLUE	BLUE	L86P-2								
26		4 (.112)	1.061		.195				.137	.129		.125					.125	.125	.125	.125	.125	.125	.125	.125	L85P-2
27		5 (.125)	.905		.143				.137	.129		.125					.125	.125	.125	.125	.125	.125	.125	.125	L83P-2
28		6 (.138)	1.061		.195				.152	.142		.156					.156	.156	.156	.156	.156	.156	.156	.156	L84P-2
29		6 (.138)	1.155		.227				.178	.168		.250					.250	.250	.250	.250	.250	.250	.250	.250	L81P-2
30		8 (.164)	1.405		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	.281	L82P-2
31		8 (.164)	1.405		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	.281	L80P-2
32		4 (.112)	.842		.143				.122	.114		.125					.125	.125	.125	.125	.125	.125	.125	.125	.125
33	14	4 (.112)	1.061	.156	.195	.037 -.029	.240 .210	.090 .074	.122	.114	.130	.125	.078 -.074	.237	BLUE	GREEN	L86P-2								
34		4 (.112)	1.061		.195				.137	.129		.125					.125	.125	.125	.125	.125	.125	.125	.125	L85P-2
35		5 (.125)	.905		.143				.137	.129		.125					.125	.125	.125	.125	.125	.125	.125	.125	L83P-2
36		6 (.138)	1.061		.195				.152	.142		.156					.156	.156	.156	.156	.156	.156	.156	.156	L84P-2
37		6 (.138)	1.155		.227				.178	.168		.250					.250	.250	.250	.250	.250	.250	.250	.250	L81P-2
38		8 (.164)	1.405		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	.281	L82P-2
39		8 (.164)	1.405		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	.281	L80P-2
40		4 (.112)	.842		.143				.122	.114		.125					.125	.125	.125	.125	.125	.125	.125	.125	.125
41	12	4 (.112)	1.281	.234	.195	.046 -.035	.300 .275	.135 .091	.122	.114	.150	.125	.095 -.091	.237	YELLOW	YELLOW	L86P-3								
42		4 (.112)	1.281		.195				.137	.129		.125					.125	.125	.125	.125	.125	.125	.125	.125	L85P-3
43		5 (.125)	1.126		.143				.137	.129		.125					.125	.125	.125	.125	.125	.125	.125	.125	L83P-3
44		6 (.138)	1.281		.195				.152	.142		.156					.156	.156	.156	.156	.156	.156	.156	.156	L84P-3
45		6 (.138)	1.359		.227				.178	.168		.250					.250	.250	.250	.250	.250	.250	.250	.250	L81P-3
46		8 (.164)	1.609		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	.281	L82P-3
47		8 (.164)	1.609		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	.281	L80P-3
48		4 (.112)	1.062		.143				.122	.114		.125					.125	.125	.125	.125	.125	.125	.125	.125	.125
49	10	4 (.112)	1.281	.234	.195	.046 -.037	.300 .275	.135 .115	.122	.114	.180	.125	.118 -.115	.237	YELLOW	BROWN	L86P-3								
50		4 (.112)	1.281		.195				.137	.129		.125					.125	.125	.125	.125	.125	.125	.125	.125	L85P-3
51		5 (.125)	1.126		.143				.137	.129		.125					.125	.125	.125	.125	.125	.125	.125	.125	L83P-3
52		6 (.138)	1.281		.195				.152	.142		.156					.156	.156	.156	.156	.156	.156	.156	.156	L84P-3
53		6 (.138)	1.359		.227				.178	.168		.250					.250	.250	.250	.250	.250	.250	.250	.250	L81P-3
54		8 (.164)	1.609		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	.281	L82P-3
55		8 (.164)	1.609		.310				.178	.168		.281					.281	.281	.281	.281	.281	.281	.281	.281	L80P-3
56		4 (.112)	.842		.143				.122	.114		.125					.125	.125	.125	.125	.125	.125	.125	.125	.125

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