

REV.  
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AS7928/2

FEDERAL SUPPLY CLASS  
5940

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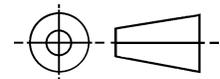
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THIRD ANGLE PROJECTION



ISSUED 1999-04 REVISED 1999-09

PREPARED BY SAE SUBCOMMITTEE AE-8C2

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 105°C TOTAL CONDUCTOR TEMPERATURE

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SHEET 1 OF 5

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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.
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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TABLE I

DASH No.	WIRE SIZE	STUD SIZE	A MAX.	B MAX.	C +.010	D	E DIA	F DIA	G DIA.		J MIN. DIA	L MAX.	M	N +.005	INSUL. SLEEVE COLOR	WIRE SIZE COLOR	TONGUE SHAPE REF ONLY	NAVY TERMINAL AND WIRE SIZE (REF ONLY)		
									MAX.	MIN.										
1	22	4 (.112)	.842	.156	.143	.037	.215	.190	.070	.137	.114	.090	.125	.039	.237	RED	GREEN	L86P-1	1-2	
2		4 (.112)	1.061															.195		.156
3		5 (.125)	.905															.143		.125
4		5 (.125)	1.061															.195		.125
5		6 (.138)	1.061															.195		.142
6		6 (.138)	1.155															.227		.156
7		8 (.164)	1.405															.310		.178
8		8 (.164)	1.405															.310		.281
9	20	4 (.112)	.842	.156	.143	.037	.215	.190	.070	.137	.114	.090	.125	.039	.237	RED	RED	L86P-1	1-2	
10		4 (.112)	1.061															.195		.156
11		5 (.125)	.905															.143		.125
12		5 (.125)	1.061															.195		.125
13		6 (.138)	1.061															.195		.142
14		6 (.138)	1.155															.227		.156
15		8 (.164)	1.405															.310		.178
16		8 (.164)	1.405															.310		.281
17	18	4 (.112)	.842	.156	.143	.037	.215	.190	.070	.137	.114	.100	.125	.036	.237	RED	WHITE	L86P-1	1-2	
18		4 (.112)	1.061															.195		.156
19		5 (.125)	.905															.143		.125
20		5 (.125)	1.061															.195		.125
21		6 (.138)	1.061															.195		.142
22		6 (.138)	1.155															.227		.156
23		8 (.164)	1.405															.310		.178
24		8 (.164)	1.405															.310		.281
25	16	4 (.112)	.842	.156	.143	.037	.240	.210	.090	.137	.114	.110	.125	.063	.237	BLUE	BLUE	L86P-2	2 1/2-4	
26		4 (.112)	1.061															.195		.156
27		5 (.125)	.905															.143		.125
28		5 (.125)	1.061															.195		.125
29		6 (.138)	1.061															.195		.142
30		6 (.138)	1.155															.227		.156
31		8 (.164)	1.405															.310		.178
32		8 (.164)	1.405															.310		.281
33	14	4 (.112)	.842	.156	.143	.037	.240	.210	.090	.137	.114	.130	.125	.078	.237	BLUE	GREEN	L86P-2	2 1/2-4	
34		4 (.112)	1.061															.195		.156
35		5 (.125)	.905															.143		.125
36		5 (.125)	1.061															.195		.125
37		6 (.138)	1.061															.195		.142
38		6 (.138)	1.155															.227		.156
39		8 (.164)	1.405															.310		.178
40		8 (.164)	1.405															.310		.281
41	12	4 (.112)	1.062	.234	.143	.046	.300	.275	.135	.137	.114	.150	.125	.095	.237	YELLOW	YELLOW	L86P-3	6-9	
42		4 (.112)	1.281															.195		.156
43		5 (.125)	1.124															.143		.125
44		5 (.125)	1.281															.195		.125
45		6 (.138)	1.281															.195		.142
46		6 (.138)	1.359															.227		.156
47		8 (.164)	1.609															.310		.178
48		8 (.164)	1.609															.310		.281
49	10	4 (.112)	1.062	.234	.143	.046	.300	.275	.135	.137	.114	.180	.125	.118	.237	YELLOW	BROWN	L86P-3	6-9	
50		4 (.112)	1.281															.195		.156
51		5 (.125)	1.124															.143		.125
52		5 (.125)	1.281															.195		.125
53		6 (.138)	1.281															.195		.142
54		6 (.138)	1.359															.227		.156
55		8 (.164)	1.609															.310		.178
56		8 (.164)	1.609															.310		.281

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