

REV. B

SAE AS7928/2

FEDERAL SUPPLY CLASS
5940

RATIONALE

AS7928/2B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THE REQUIREMENTS FOR PROCURING THE TERMINALS DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS7928.

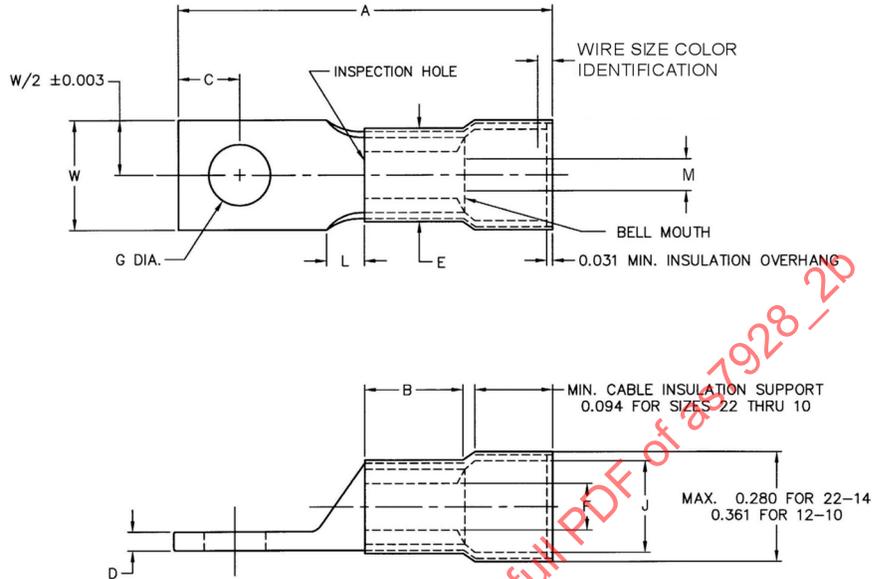


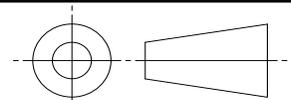
FIGURE 1

NOTES:

1. DIMENSIONS IN INCHES (SEE TABLE 1)
2. CONTOUR INDICATED BY PHANTOM LINES MAY VARY FROM THAT SHOWN TO SUIT INDIVIDUAL MANUFACTURER'S DESIGN.
3. INSULATION SUPPORT AND TERMINAL BARREL MAY BE MULTIPLE PIECE CONSTRUCTION.
4. DIMENSION M REPRESENTS THE WIRE INSULATION STOP (DESIGN OPTIONAL). THIS LUG DESIGN WILL NOT STOP INSULATION WITH A WALL THICKNESS OF LESS THAN 0.005 in.
5. WIRE INSERTION IS FACILITATED BY BELL MOUTH.
6. DIMENSION "J" REPRESENTS THE MINIMUM OPENING THAT WILL ACCEPT THE FINISHED WIRE.
7. THE CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT.

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS7928/2B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS7928

SAE Aerospace
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AEROSPACE STANDARD

(R) 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

SAE AS7928/2
SHEET 1 OF 4

REV. B

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ISSUED 1999-04 REVISED 2007-11 REAFFIRMED 2012-08

TABLE 1 - DIMENSIONS

Dash No.	Wire Size	Stud Size	A Max	B Max	C ±0.010	D	E Dia	F Dia	G Dia		J Min Dia	L Max	M	W ±0.005	Insul. Sleeve Color	Wire Size Color	Tongue Shape (Ref Only)	Navy Term. And Wire Size (Ref Only)					
									Max	Min													
1	22	4 (.112)	0.842	0.156	0.143				0.122	0.114	0.110	0.125	0.039 0.034	0.237	Red	Green	L86P-1	1-2					
2		4 (.112)	1.061		0.195				0.122	0.114		0.156					0.237		L85P-1				
3		5 (.125)	0.905		0.143				0.137	0.129		0.125					0.277		L83P-1				
4		6 (.138)	1.061		0.195				0.037 0.029	0.215 0.190		0.070 0.034					0.152		0.142	0.156	0.302	0.237	L84P-1
5		6 (.138)	1.155		0.227				0.152	0.142		0.250					0.302		L81P-1				
6		8 (.164)	1.155		0.227				0.178	0.168		0.250					0.302		L82P-1				
7		8 (.164)	1.405		0.310				0.178	0.168		0.281					0.390		L80P-1				
8	20	4 (.112)	0.842	0.156	0.143				0.122	0.114	0.130	0.125	0.048 0.042	0.237	Red	Red	L86P-1	1-2					
9		4 (.112)	1.061		0.195				0.122	0.114		0.156					0.237		L85P-1				
10		5 (.125)	0.905		0.143				0.137	0.129		0.125					0.277		L83P-1				
11		6 (.138)	1.061		0.195				0.037 0.029	0.215 0.190		0.070 0.042					0.152		0.142	0.156	0.302	0.237	L84P-1
12		6 (.138)	1.155		0.227				0.152	0.142		0.250					0.302		L81P-1				
13		8 (.164)	1.155		0.227				0.178	0.168		0.250					0.302		L82P-1				
14		8 (.164)	1.405		0.310				0.178	0.168		0.281					0.390		L80P-1				
15	18	4 (.112)	0.842	0.156	0.143				0.122	0.114	0.150	0.125	0.056 0.052	0.237	Red	White	L86P-1	1-2					
16		4 (.112)	1.061		0.195				0.122	0.114		0.156					0.237		L85P-1				
17		5 (.125)	0.905		0.143				0.137	0.129		0.125					0.277		L83P-1				
18		6 (.138)	1.061		0.195				0.037 0.029	0.215 0.190		0.070 0.052					0.152		0.142	0.156	0.302	0.237	L84P-1
19		6 (.138)	1.155		0.227				0.152	0.142		0.250					0.302		L81P-1				
20		8 (.164)	1.155		0.227				0.178	0.168		0.250					0.302		L82P-1				
21		8 (.164)	1.405		0.310				0.178	0.168		0.281					0.390		L80P-1				
22	16	4 (.112)	0.842	0.156	0.143				0.122	0.114	0.110	0.125	0.063 0.059	0.237	Blue	Blue	L86P-2	2 1/2 - 4					
23		4 (.112)	1.061		0.195				0.122	0.114		0.156					0.237		L85P-2				
24		5 (.125)	0.905		0.143				0.137	0.129		0.125					0.277		L83P-2				
25		6 (.138)	1.061		0.195				0.037 0.029	0.240 0.210		0.090 0.059					0.152		0.142	0.156	0.302	0.237	L84P-2
26		6 (.138)	1.155		0.227				0.152	0.142		0.250					0.302		L81P-2				
27		8 (.164)	1.155		0.227				0.178	0.168		0.250					0.302		L82P-2				
28		8 (.164)	1.405		0.310				0.178	0.168		0.281					0.390		L80P-2				

TABLE 1 - DIMENSIONS (CONTINUED)

Dash No.	Wire Size	Stud Size	A Max	B Max	C ±0.010	D	E Dia	F Dia	G Dia		J Min Dia	L Max	M	W ±0.005	Insul. Sleeve Color	Wire Size Color	Tongue Shape (Ref Only)	Navy Term. And Wire Size (Ref Only)	
									Max	Min									
29	14	4 (.112)	0.842	0.156	0.143	0.037 0.029	0.240 0.210	0.090 0.074	0.122	0.114	0.130	0.125	0.078 0.074	0.237	Blue	Green	L86P-2	2 1/2 - 4	
30		4 (.112)	1.061		0.195				0.122	0.114		0.156					0.237		
31		5 (.125)	0.905		0.143				0.137	0.129		0.125					0.277		
32		6 (.138)	1.061		0.195				0.152	0.142		0.156					0.237		
33		6 (.138)	1.155		0.227				0.152	0.142		0.250					0.302		
34		8 (.164)	1.155		0.227				0.178	0.168		0.250					0.302		
35		8 (.164)	1.405		0.310				0.178	0.168		0.281					0.390		
36		4 (.112)	1.062		0.143				0.122	0.114		0.125					0.237		L86P-3
37	4 (.112)	1.281	0.195	0.122	0.114	0.156	0.237	L85P-3											
38	5 (.125)	1.124	0.143	0.137	0.129	0.125	0.277	L83P-3											
39	6 (.138)	1.281	0.195	0.046 0.035	0.300 0.275	0.135 0.091	0.152	0.142	0.150	0.156	0.095 0.091	0.237	Yellow	Yellow	L84P-3				
40	6 (.138)	1.359	0.227	0.152	0.142	0.250	0.302	L81P-3											
41	8 (.164)	1.359	0.227	0.178	0.168	0.250	0.302	L82P-3											
42	8 (.164)	1.609	0.310	0.178	0.168	0.281	0.390	L80P-3											
43	10	4 (.112)	1.062	0.234	0.143	0.046 0.037	0.300 0.275	0.135 0.115	0.122	0.114	0.180	0.125	0.118 0.115	0.237	Yellow	Brown	L86P-3	6-9	
44		4 (.112)	1.281		0.195				0.122	0.114		0.156					0.237		L85P-3
45		5 (.125)	1.124		0.143				0.137	0.129		0.125					0.277		L83P-3
46		6 (.138)	1.281		0.195				0.152	0.142		0.156					0.237		L84P-3
47		6 (.138)	1.359		0.227				0.152	0.142		0.250					0.302		L81P-3
48		8 (.164)	1.359		0.227				0.178	0.168		0.250					0.302		L82P-3
49		8 (.164)	1.609		0.310				0.178	0.168		0.281					0.390		L80P-3

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