

REV.
B

AS7928/1

RATIONALE

SPECIFICATION IS REVISED TO INCORPORATE THE AMENDMENT, REMOVE GOVERNMENT JARGON, AND UPDATE REFERENCES AS NEEDED.

NOTICE

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

FEDERAL SUPPLY CLASS
5940

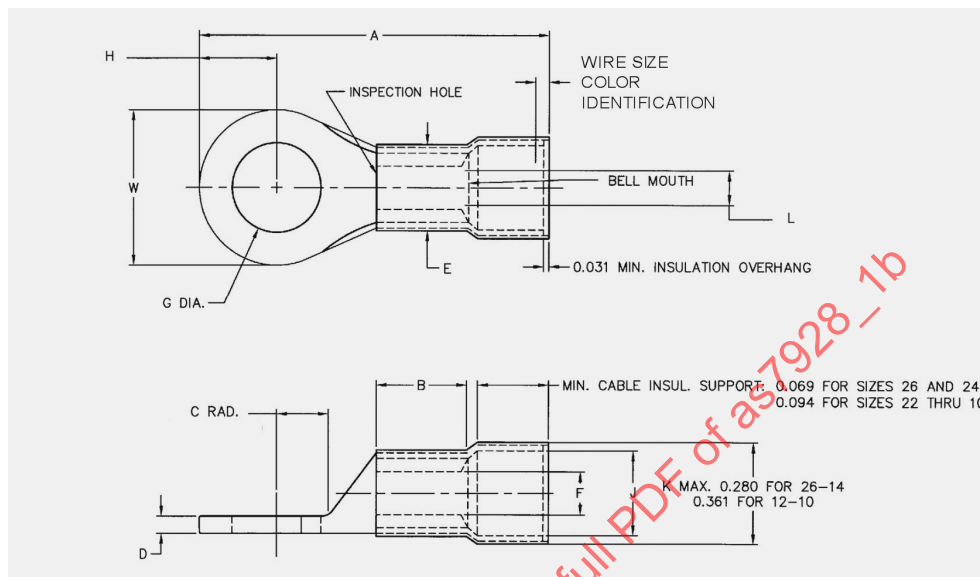
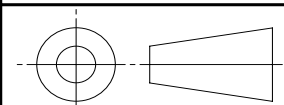


FIGURE 1 - TERMINAL CONSTRUCTION

NOTES:

1. DIMENSIONS IN INCHES.
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. WIRE INSULATION STOP (DIMENSION L). THIS LUG DESIGN (DESIGN OPTIONAL) WILL NOT STOP INSULATION WITH A WALL THICKNESS OF LESS THAN 0.005 in.
5. WIRE INSERTION IS FACILITATED BY BELL MOUTH.
6. DIMENSION "C RAD" REPRESENTS THE MINIMUM WASHER CLEARANCE RADIUS.
7. DIMENSION "J" REPRESENTS THE MIN OPENING THAT WILL ACCEPT THE FINISHED WIRE.
8. 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.

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS7928

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, COPPER TERMINAL, LUG, CRIMP STYLE, COPPER, INSULATED, RING TONGUE, FOR THIN WALL WIRE, TYPE II CLASS 1 FOR 105 °C TOTAL CONDUCTOR TEMPERATURE

AS7928/1
SHEET 1 OF 4

**REV.
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ISSUED 1999-04 REVISED 2007-09

TABLE 1 - DIMENSIONS

DASH NO.	TERM SIZE	STUD SIZE		A MAX.	B MIN.	C MIN. RAD.	D	E DIA.	F DIA.	G DIA		J MIN. DIA.	L	W		INSUL. SLEEVE COLOR	WIRE SIZE COLOR
		STUD	DIA (in)							MAX.	MIN.			MAX.	MIN.		
1	26	2	(0.086)	0.740	0.126	0.133	0.028 0.022	0.215 0.190		0.098	0.090	0.060	0.028 0.022	0.210	0.133	YELLOW	BLACK
2		4	(0.112)	0.786		0.171				0.122	0.114			0.260	0.193		
3		6	(0.138)	0.886		0.202				0.152	0.142			0.330	0.245		
4		8	(0.164)			0.178				0.168							
5		10	(0.190)			0.203				0.193							
6	24	2	(0.086)	0.740	0.126	0.133	0.028 0.022	0.215 0.190	0.033 0.027	0.098	0.090	0.070	0.033 0.027	0.210	.133	YELLOW	BLUE
7		4	(0.112)	0.786		0.171				0.122	0.114			0.260	0.193		
8		6	(0.138)	0.886		0.202				0.152	0.142			0.330	0.245		
9		8	(0.164)			0.178				0.168							
10		10	(0.190)			0.203				0.193							
70	22	2	(0.086)	0.790	0.156	0.115	0.037 0.029	0.215 0.190	0.070 0.034	0.098	0.090	0.080	0.039 0.034	0.230	0.198	RED	GREEN
11		4	(0.112)	0.801		0.125				0.122	0.114			0.260	0.210		
12		6	(0.138)			0.202				0.152	0.142						
13		6	(0.138)							0.178	0.168			0.320	0.305		
14		8	(0.164)	0.956		0.234				0.203	0.193			0.473	0.450		
15		10	(0.190)			0.265				0.275	0.260						
16		1/4	(0.250)	1.136		0.296				0.338	0.323						
17		5/16	(0.312)			0.328				0.400	0.385						
18		3/8	(0.375)	1.366		0.453				0.525	0.510			0.720	0.705		
19		1/2	(0.500)														
71	20	2	(0.086)	0.790	0.156	0.115	0.037 0.029	0.215 0.190	0.070 0.042	0.098	0.090	0.090	0.048 0.042	0.230	0.198	RED	RED
20		4	(0.112)	0.801		0.125				0.122	0.114			0.260	0.210		
21		6	(0.138)			0.202				0.152	0.142						
22		6	(0.138)							0.178	0.168			0.320	0.305		
23		8	(0.164)	0.956		0.234				0.203	0.193			0.473	0.450		
24		10	(0.190)			0.265				0.275	0.260						
25		1/4	(0.250)	1.136		0.296				0.338	0.323						
26		5/16	(0.312)			0.328				0.400	0.385						
27		3/8	(0.375)	1.366		0.453				0.525	0.510			0.720	0.705		
28		1/2	(0.500)														
72	18	2	(0.086)	0.790	0.156	0.115	0.037 0.029	0.215 0.190	0.070 0.052	0.098	0.090	0.100	0.056 0.052	0.230	0.198	RED	WHITE
29		4	(0.112)	0.801		0.125				0.122	0.114			0.260	0.210		
30		6	(0.138)			0.202				0.152	0.142						
31		6	(0.138)							0.178	0.168			0.320	0.305		
32		8	(0.164)	0.956		0.234				0.203	0.193			0.473	0.450		
33		10	(0.190)			0.265				0.275	0.260						
34		1/4	(0.250)	1.136		0.296				0.338	0.323						
35		5/16	(0.312)			0.328				0.400	0.385						
36		3/8	(0.375)	1.366		0.453				0.525	0.510			0.720	0.705		
37		1/2	(0.500)														

TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	TERM SIZE	STUD SIZE		A MAX.	B MIN.	C MIN. RAD.	D	E DIA.	F DIA.	G DIA.		J MIN. DIA.	L	W		INSUL. SLEEVE COLOR	WIRE SIZE COLOR								
		STUD	(in)							MAX.	MIN.			MAX.	MIN.										
38	16	4	(0.112)	0.820	0.156	0.125	0.037 0.029	0.240 0.210	0.090 0.059	0.122	0.114	0.110	0.063 0.054	0.260	0.240	BLUE	BLUE								
39		6	(0.138)							0.152	0.142														
40		6	(0.138)							0.956	0.202			0.178	0.168										
41		8	(0.164)	0.203										0.193											
42		10	(0.190)	0.275		0.260																			
43		1/4	(0.250)	0.338		0.323																			
44		5/16	(0.312)	0.400		0.385																			
45		3/8	(0.375)	0.525		0.510																			
46		1/2	(0.500)	0.234		0.265				0.275	0.260			0.473	0.450										
47	14	4	(0.112)	0.820	0.156	0.125	0.037 0.029	0.240 0.210	0.090 0.074	0.122	0.114	0.130	0.078 0.074	0.260	0.240	BLUE	GREEN								
48		6	(0.138)							0.152	0.142														
49		6	(0.138)							0.956	0.202			0.178	0.168										
50		8	(0.164)	0.203										0.193											
51		10	(0.190)	0.275		0.260																			
52		1/4	(0.250)	0.338		0.323																			
53		5/16	(0.312)	0.400		0.385																			
54		3/8	(0.375)	0.525		0.510																			
55		1/2	(0.500)	1.131		0.296				0.338	0.323			0.540	0.520										
56	12	6	(0.138)	1.198	0.234	0.202	0.043 0.037	0.300 0.275	0.135 0.091	0.152	0.142	0.150	0.095 0.091	0.380	0.365	YELLOW	YELLOW								
57		8	(0.164)							0.178	0.168														
58		10	(0.190)							0.203	0.193														
59		1/4	(0.250)	1.400		0.265				0.275	0.260			0.536	0.516										
60		5/16	(0.312)			0.296				0.338	0.323			0.598	0.573										
61		3/8	(0.375)			0.328				0.400	0.385			0.720	0.705										
62		1/2	(0.500)			0.453				0.525	0.510														
63		10	6	(0.138)		1.198				0.234	0.202			0.043 0.037	0.300 0.275			0.135 0.115	0.152	0.142	0.180	0.118 0.115	0.380	0.365	YELLOW
64	8		(0.164)	0.178															0.168						
65	10		(0.190)	0.203															0.193						
66	1/4		(0.250)	0.275							0.260														
67	5/16		(0.312)	0.338							0.323														
68	3/8		(0.375)	0.400							0.385														
69	1/2		(0.500)	0.453							0.525		0.510			0.720	0.705								