

SAE Executive Standards Committee Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

REV.
B

AS7928™/9

FEDERAL SUPPLY CLASS
5940

RATIONALE

FULL REVISION REQUIRED TO ADD BLUE COLOR DESIGNATION FOR IDENTIFICATION OF TIN WHISKER RESISTANT FINISH, MINOR TECHNICAL CHANGES, AND EDITING AS NEEDED.

NOTICE

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

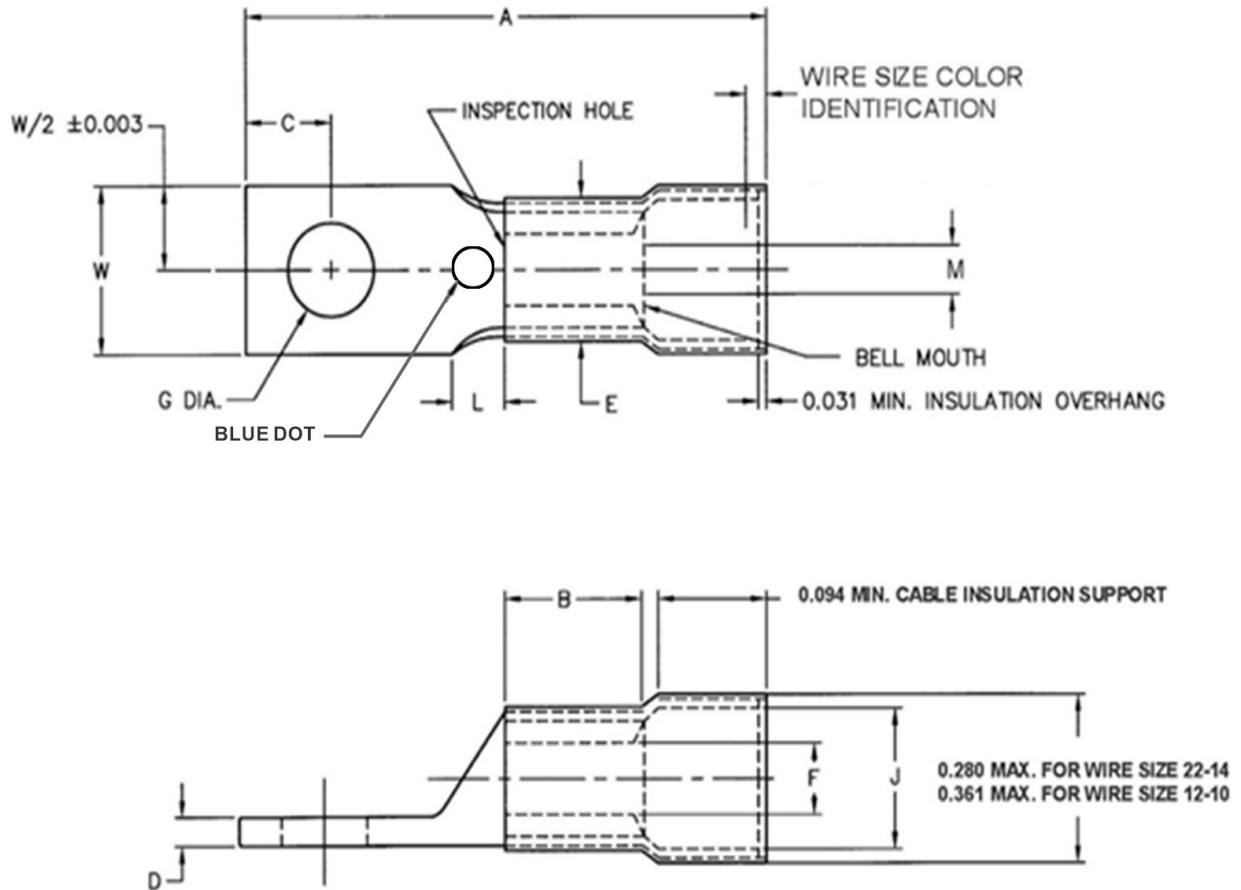
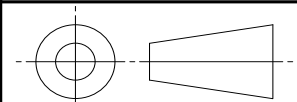


FIGURE 1 - TERMINAL CONSTRUCTION

For more information on this standard, visit
<https://www.sae.org/standards/content/AS7928/9B/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS7928



AEROSPACE STANDARD

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

AS7928™/9
SHEET 1 OF 5

REV.
B

Documents

Copyright © 2021 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

TABLE 1 - DIMENSIONS

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	W ±.005	INSUL. SLEEVE COLOR	WIRE SIZE COLOR	TONGUE SHAPE (REF ONLY)	NAVY TERM. AND WIRE SIZE (REF ONLY)
									MAX	MIN								
1	22	4 (.112)	.842	.156	.143	.037 .029	.215 .190	.070 .034	.122	.114	.110	.125	.039 .034	.237	RED	GREEN	L86P-1	1-2
2		4 (.112)	1.061		.195				.122	.114		.156					L85P-1	
3		5 (.125)	.905		.143				.137	.129		.125					L83P-1	
4		6 (.138)	1.061		.195				.152	.142		.156					L84P-1	
5		6 (.138)	1.155		.227				.152	.142		.250					L81P-1	
6		8 (.164)	1.155		.227				.178	.168		.250					L82P-1	
7		8 (.164)	1.405		.310				.178	.168		.281					L80P-1	
8		4 (.112)	.842		.143				.122	.114		.125					L86P-1	
9	20	4 (.112)	1.061	.156	.195	.037 .029	.215 .190	.070 .042	.122	.114	.130	.156	.048 .042	.237	RED	RED	L85P-1	1-2
10		5 (.125)	.905		.143				.137	.129		.125					L83P-1	
11		6 (.138)	1.061		.195				.152	.142		.156					L84P-1	
12		6 (.138)	1.155		.227				.152	.142		.250					L81P-1	
13		8 (.164)	1.155		.227				.178	.168		.250					L82P-1	
14		8 (.164)	1.405		.310				.178	.168		.281					L80P-1	
15		4 (.112)	.842		.143				.122	.114		.125					L86P-1	
16		4 (.112)	1.061		.195				.122	.114		.156					L85P-1	
17	18	5 (.125)	.905	.156	.143	.037 .029	.215 .190	.070 .052	.137	.129	.150	.125	.056 .052	.277	RED	WHITE	L83P-1	1-2
18		6 (.138)	1.061		.195				.152	.142		.156					L84P-1	
19		6 (.138)	1.155		.227				.152	.142		.250					L81P-1	
20		8 (.164)	1.155		.227				.178	.168		.250					L82P-1	
21		8 (.164)	1.405		.310				.178	.168		.281					L80P-1	
22		4 (.112)	.842		.143				.122	.114		.125					L86P-2	
23		4 (.112)	1.061		.195				.122	.114		.156					L85P-2	
24		5 (.125)	.905		.143				.137	.129		.125					L83P-2	
25	16	6 (.138)	1.061	.156	.195	.037 .029	.240 .210	.090 .059	.152	.142	.110	.156	.063 .059	.237	BLUE	BLUE	L84P-2	2 1/2 - 4
26		6 (.138)	1.155		.227				.152	.142		.250					L81P-2	
27		8 (.164)	1.155		.227				.178	.168		.250					L82P-2	
28		8 (.164)	1.405		.310				.178	.168		.281					L80P-2	
29		4 (.112)	.842		.143				.122	.114		.125					L86P-2	
30		4 (.112)	1.061		.195				.122	.114		.156					L85P-2	
31		5 (.125)	.905		.143				.137	.129		.125					L83P-2	
32		6 (.138)	1.061		.195				.152	.142		.156					L84P-2	
33	14	6 (.138)	1.155	.156	.227	.037 .029	.240 .210	.090 .074	.152	.142	.130	.250	.078 .074	.237	BLUE	GREEN	L81P-2	2 1/2 - 4
34		8 (.164)	1.155		.227				.178	.168		.250					L82P-2	
35		8 (.164)	1.405		.310				.178	.168		.281					L80P-2	
36		4 (.112)	1.062		.143				.122	.114		.125					L86P-3	
37		4 (.112)	1.281		.195				.122	.114		.156					L85P-3	
38		5 (.125)	1.124		.143				.137	.129		.125					L83P-3	
39		6 (.138)	1.281		.195				.152	.142		.156					L84P-3	
40		6 (.138)	1.359		.227				.152	.142		.250					L81P-3	
41	12	8 (.164)	1.359	.234	.227	.046 .035	.300 .275	.135 .091	.178	.168	.150	.250	.095 .091	.302	YELLOW	YELLOW	L82P-3	6-9
42		8 (.164)	1.609		.310				.178	.168		.281					L80P-3	
43		4 (.112)	1.062		.143				.122	.114		.125					L86P-3	
44		4 (.112)	1.281		.195				.122	.114		.156					L85P-3	
45		5 (.125)	1.124		.143				.137	.129		.125					L83P-3	
46		6 (.138)	1.281		.195				.152	.142		.156					L84P-3	
47		6 (.138)	1.359		.227				.152	.142		.250					L81P-3	
48		8 (.164)	1.359		.227				.178	.168		.250					L82P-3	
49	10	8 (.164)	1.609	.234	.310	.046 .037	.300 .275	.135 .115	.178	.168	.180	.281	.118 .115	.390	YELLOW	BROWN	L80P-3	6-9



AEROSPACE STANDARD

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

AS7928™/9
SHEET 2 OF 5

Documents

REV.
B



Document Sharing Hub