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REV.
C

AS7928™/4

FEDERAL SUPPLY CLASS
5940

RATIONALE

REVISION REQUIRED TO ADD NEW CRIMPING TOOLS, REMOVE UNSPECIFIED NICKEL FINISH, AND MAKE MINOR TECHNICAL AND EDITORIAL CHANGES.

NOTICE

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

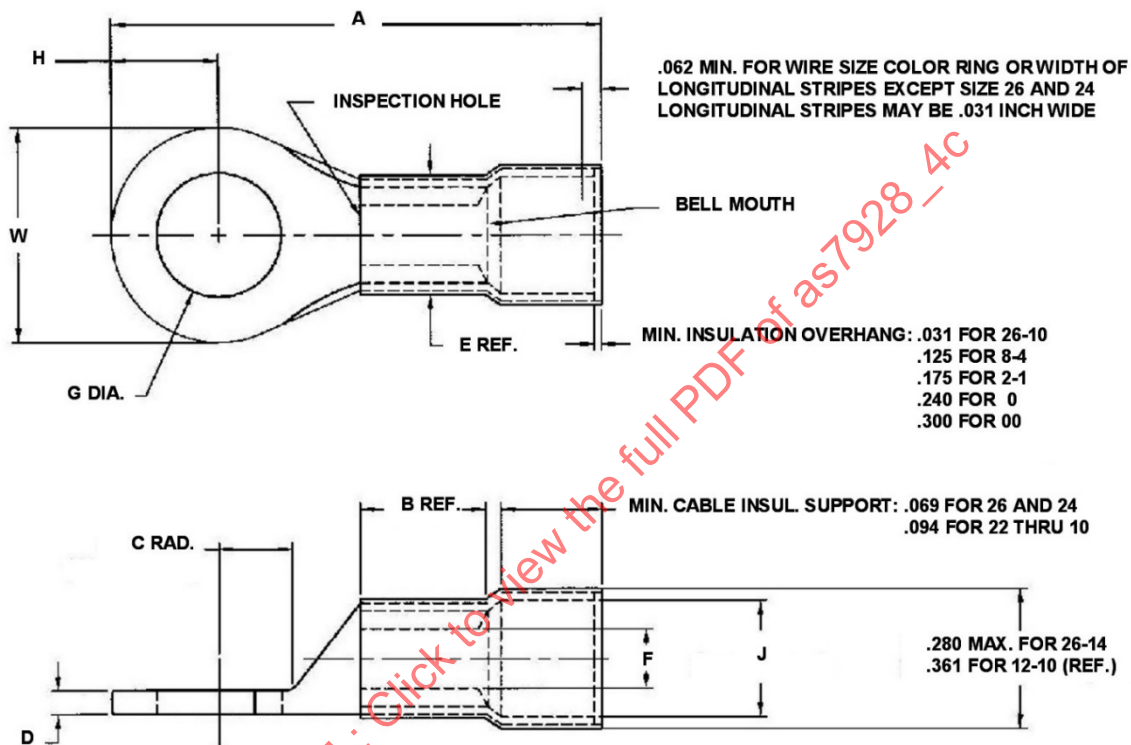
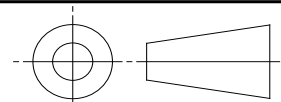


FIGURE 1 - AS7928/4 TERMINAL

For more information on this standard, visit
<https://www.sae.org/standards/content/AS7928/4C>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE8-C2

PROCUREMENT SPECIFICATION: AS7928



AEROSPACE STANDARD

(R) TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, COPPER TERMINAL, LUG, INSULATED, RING TONGUE, BELL-MOUTHED, TYPE II, CLASS 1 (FOR 150 °C TOTAL CONDUCTOR TEMPERATURE)

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TABLE 1 - DASH NUMBERS AND CHARACTERISTICS

DASH NO.	TERMINAL SIZE	STUD SIZE	A MAX	B REF	C MIN RAD	D		E DIA REF	F DIA	G DIA		J MIN DIA	W & H 1/2		COLOR OF CIRCULAR RING OR LONGITUDINAL STRIPES			
						MAX	MIN			MAX	MIN		MAX	MIN				
143	26 - 24	2 (.086)	.740	.126	.133	.028	.022	.215 .190	.033 .027	.098	.090	.084	.210	.133	YELLOW			
144		4 (.112)	.755		.171					.122	.114		.260	.193				
145		6 (.138)	.855		.202					.152	.142			.245				
146		8 (.164)								.178	.168							
147		10 (.190)	.865		.227					.203	.193		.330					
159	22 - 18	2 (.086)	.755	.156	.115	.035	.027	.215 .190	.073 .052	.098	.090	.120		.193	RED			
148		4 (.112)			.125					.122	.114		.230					
101		6 (.138)			.202					.152	.142		.260	.245				
102		6 (.138)	.865		.234					.178	.168		.320	.305				
149		8 (.164)	.910							.203	.193					.473	.450	
103		10 (.190)	1.090							.275	.260					.540	.520	
150		1/4 (.250)			.296					.338	.323		.720	.705				
104		5/16 (.312)			.328					.400	.385							
105		3/8 (.375)	1.320		.453					.525	.510							
151		1/2 (.500)	1.320															
152	16 - 14	4 (.112)	.774	.156	.125	.035	.029	.240 .210	.095 .081	.122	.114	.153	.260	.240	BLUE			
106		6 (.138)								.152	.147							
107		6 (.138)	.202		.178					.168	.317		.302					
153		8 (.164)	.234											.203		.193	.473	.430
108		10 (.190)												.265		.275	.260	.540
154		1/4 (.250)			.296					.338	.323		.720	.705				
109		5/16 (.312)	1.085		.328					.400	.385							
110		3/8 (.375)	1.225															
155		1/2 (.500)	1.320		.453					.525	.510							
111	12 - 10	6 (.138)	1.120	.234	.202	.043	.037	.300 .275	.139 .129	.152	.142	.210			YELLOW			
156		8 (.164)			.178					.168	.380		.365					
112		10 (.190)			.234					.203	.193							
157		1/4 (.250)	1.322		.265					.275	.260		.536	.516				
113		5/16 (.312)			.296					.338	.323		.598	.573				
114		3/8 (.375)			.328					.400	.385		.720	.705				
158		1/2 (.500)	1.414		.453					.525	.510							
115	8	10 (.190)	1.402	.315	.234	.084	.038	.350 .300	.186 .176	.203	.193	.257	.429	.386	RED			
116		1/4 (.250)	1.446		.265					.275	.260		.478	.435				
117		5/16 (.312)	1.544		.296					.338	.323		.590	.547				
118		3/8 (.375)			.328					.400	.385							
119	6	10 (.190)	1.599	.375	.238	.084	.043	.419 .360	.232 .222	.203	.193	.300			BLUE			
120		1/4 (.250)			.265					.275	.260		.503	.460				
121		5/16 (.312)	1.762		.305					.338	.323		.623	.580				
122		3/8 (.375)			.328					.400	.385							



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TABLE 1 - DASH NUMBERS AND CHARACTERISTICS (CONTINUED)

DASH NO.	TERMINAL SIZE	STUD SIZE	A MAX	B REF	C MIN RAD	D		E DIA REF	F DIA	G DIA		J MIN DIA	W & H 1/		COLOR OF CIRCULAR RING OR LONGITUDINAL STRIPES
						MAX	MIN			MAX	MIN		MAX	MIN	
123	4	1/4 (.250)	1.812	.437	.276	.096	.047	.500 .425	.290 .280	.275	.260	.370	.570	.480	YELLOW
124		5/16 (.312)	1.879		.308					.338	.323		.648	.605	
125		3/8 (.375)			.328					.400	.385				
126	2	1/4 (.250)	2.069	.505	.343	.109	.054	.560 .510	.365 .355	.275	.260	.453	.711	.665	RED
127		3/8 (.375)			.453					.400	.385		.804	.740	
128		1/2 (.500)	2.269							.525	.510				
129	1	1/4 (.250)	2.150	.565	.383	.125	.070	.620 .560	.398 .388	.275	.260	.500	.793	.740	WHITE
130		3/8 (.375)			.453					.400	.385		.987		
131		1/2 (.500)	2.370							.525	.510				
132	0	1/4 (.250)	2.401	.630	.418	.125	.070	.685 .625	.458 .438	.275	.260	.550	.853	.810	BLUE
133		3/8 (.375)			.453					.400	.385		.903	.860	
134		1/2 (.500)	2.525							.525	.510				
135	00	5/16 (.312)	2.750	.700	.473	.129	.075	.755 .685	.520 .500	.338	.323	.610	.956	.913	YELLOW
136		3/8 (.375)								.400	.385				
137		1/2 (.500)								.525	.510				

1/ H MAX AND MIN DIMENSIONS SHALL BE ONE-HALF OF THE W MAX AND MIN DIMENSIONS, RESPECTIVELY.

REQUIREMENTS:

1. DESIGN AND CONFIGURATION (SEE FIGURE 1 AND TABLE 1):

DIMENSIONS ARE IN INCHES. MAX AND MIN DIMENSIONS DUE TO OVALIZATION MUST BE WITHIN 3% OF SPECIFICATION REQUIREMENTS. CONTOUR INDICATED BY PHANTOM LINES MAY VARY FROM THAT SHOWN TO SUIT INDIVIDUAL MANUFACTURER'S DESIGN.

INSULATION SUPPORT AND TERMINAL BARREL MAY BE MULTIPLE PIECE CONSTRUCTION.

REMOVE ALL BURRS AND SHARP EDGES.

THE "C" MIN DIMENSION IS MIN WASHER CLEARANCE RADIUS.

2. MATERIAL:

INSULATION SLEEVE SHALL BE IN ACCORDANCE WITH AS7928. SLEEVE COLOR SHALL BE CLEAR (UNCOLORED).

FINISH SHALL BE TIN-PLATED IN ACCORDANCE WITH ASTM B545, CLASS 1 WITH A THICKNESS OR GRADE SUFFICIENT TO MEET THE PERFORMANCE REQUIREMENTS OF AS7928.

3. IDENTIFICATION OF PRODUCT MARKING:

MANUFACTURER IDENTIFICATION AND PART NUMBER MARKING SHALL BE AS SPECIFIED IN AS7928.

COLOR RINGS OR LONGITUDINAL STRIPES SHALL BE LOCATED AS SHOWN IN FIGURE 1. COLOR OF CIRCULAR RING OR LONGITUDINAL STRIPES SHALL BE AS SPECIFIED IN TABLE 1 AND SHALL BE IN ACCORDANCE WITH EIA STANDARD RS359.

COLOR RINGS MUST COVER A MINIMUM OF 315° OF THE CIRCUMFERENCE.

LONGITUDINAL STRIPES SHALL BE 2 OR MORE AND EQUALLY SPACED ON THE INSULATION PORTION OF THE TERMINAL. THE STRIPES MUST EXTEND TO WITHIN 1/16 INCHES OF THE ENDS OF THE INSULATION AND MUST NOT OBLITERATE THE BASIC SLEEVE COLOR.

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	(R) TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, COPPER TERMINAL, LUG, INSULATED, RING TONGUE, BELL-MOUTHED, TYPE II, CLASS 1 (FOR 150 °C TOTAL CONDUCTOR TEMPERATURE)		