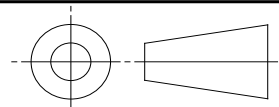


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REV. D	FEDERAL SUPPLY CLASS 5940	
	RATIONALE AS7928/13 IS BEING STABILIZED BECAUSE THE PROCESSES/PRODUCT IS CONSIDERED MATURE AND THE COMMITTEE DOES NOT ANTICIPATE FUTURE TECHNICAL CHANGES. STABILIZATION DOES NOT IMPLY THE PROCESS OR PRODUCT IS UNACCEPTABLE FOR APPLICATIONS FOR WHICH IT IS DESIGNED. ANY TECHNICAL CHANGES NOTED BY A SUPPLIER OR USER WHICH RESULTS IN A PRODUCT OR REQUIREMENT CHANGE WILL BE ADDRESSED BY A NEW REVISION. A QUALIFIED SUPPLIER IS STILL MAINTAINED. STABILIZED NOTICE THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY SAE AE-8C2 TERMINATING DEVICES AND TOOLING COMMITTEE AND WILL NO LONGER BE SUBJECTED TO PERIODIC REVIEWS FOR CURRENCY. USERS ARE RESPONSIBLE FOR VERIFYING REFERENCES AND CONTINUED SUITABILITY OF TECHNICAL REQUIREMENTS. NEWER TECHNOLOGY MAY EXIST.	
AS7928™/13	SAENORM.COM : Click to view the full PDF of as7928_13d	
For more information on this standard, visit https://www.sae.org/standards/content/AS7928/13D/		THIRD ANGLE PROJECTION 
CUSTODIAN: AE-8C2		PROCUREMENT SPECIFICATION: AS7928
	AEROSPACE STANDARD TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, COPPER TERMINAL, LUG, INSULATED, TIN WHISKER RESISTANT, RING TONGUE, BELL-MOUTHED, TYPE II, CLASS 1 (FOR 150 °C TOTAL CONDUCTOR TEMPERATURE)	AS7928™/13 REV. D

NOTICE

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

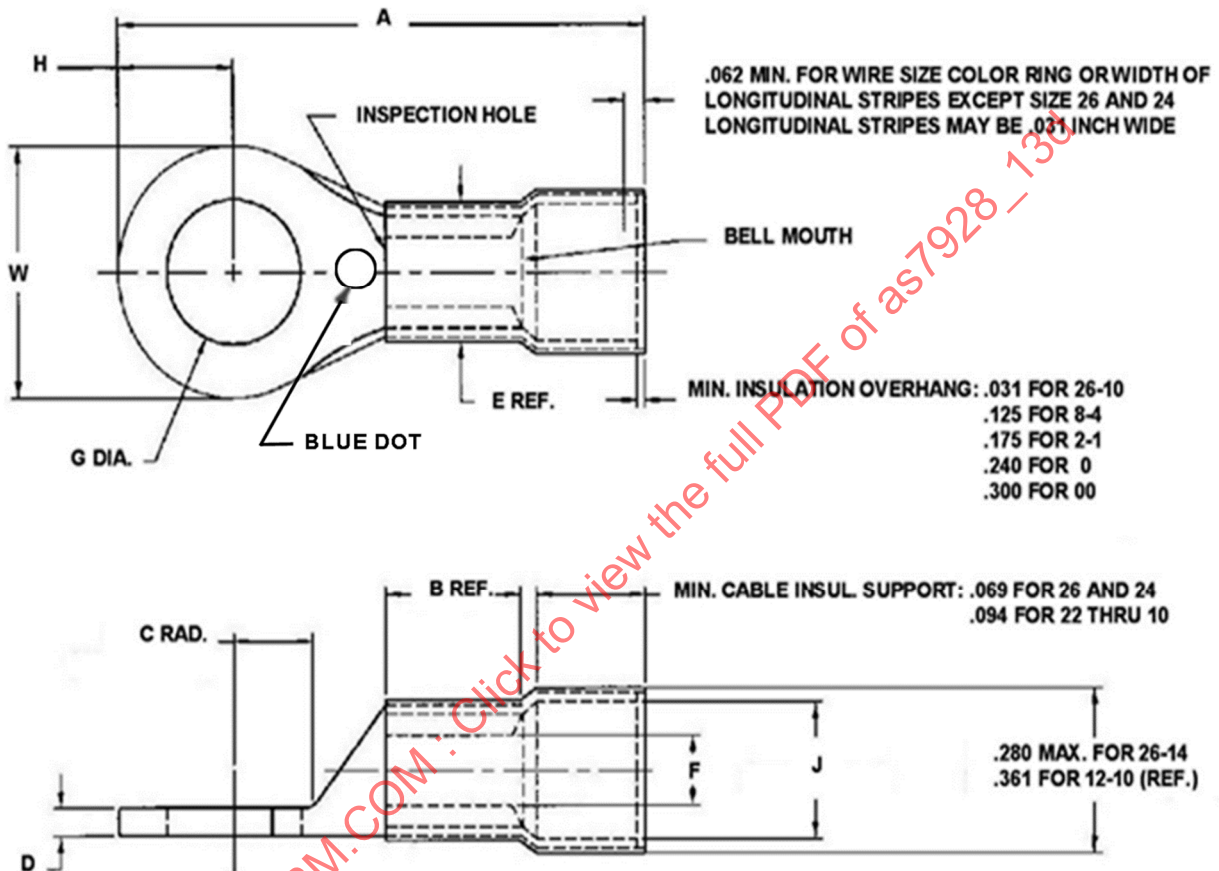


FIGURE 1 - AS7928/13 TERMINAL

	AEROSPACE STANDARD		AS7928™/13 SHEET 1 OF 5	REV. D
	TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, COPPER TERMINAL, LUG, INSULATED, TIN WHISKER RESISTANT, RING TONGUE, BELL-MOUTHED, TYPE II, CLASS 1 (FOR 150 °C TOTAL CONDUCTOR TEMPERATURE)			

TABLE 1 - DASH NUMBERS AND CHARACTERISTICS

DASH NO.	WIRE 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		
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		.330	.245		
146		8 (.164)								.178	.168					
147		10 (.190)	.865		.227					.203	.193					
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	.210		
101		6 (.138)			.202					.152	.142		.260	.245		
102		6 (.138)	.865							.178	.168		.320	.305		
149		8 (.164)	.910		.234					.203	.193		.473	.450		
103		10 (.190)	1.090							.265	.275					.260
150		1/4 (.250)			.296					.338	.323		.720	.705		
104		5/16 (.312)			1.320					.328	.400		.385			
105		3/8 (.375)	.453							.525	.510					
151		1/2 (.500)	1.320													
152	16 - 14	4 (.112)	.774	.156	.125	.035	.029 .210	.240 .081	.095 .081	.122	.114	.153	.260	.240	BLUE	
106		6 (.138)			.202					.152	.147		.317	.302		
107		6 (.138)	.910		.234					.178	.168		.473	.430		
153		8 (.164)	.203							.193						
108		10 (.190)	.915		.265					.275	.260		.540	.520		
154		1/4 (.250)	1.085		.296					.338	.323		.720	.705		
109		5/16 (.312)			.328					.400	.385					
110		3/8 (.375)	1.225		.453					.525	.510					
155		1/2 (.500)	1.320													
111	12 - 10	6 (.138)	1.120	.234	.202	.043	.037	.300 .275	.139 .129	.152	.142	.210	.380	.365	YELLOW	
156		8 (.164)			.234					.178	.168		.536	.516		
112		10 (.190)			.265					.203	.193		.598	.573		
157		1/4 (.250)	1.322		.296					.275	.260		.720	.705		
113		5/16 (.312)	1.414		.328					.338	.323					
114		3/8 (.375)			.453					.400	.385					
158		1/2 (.500)								.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 .265	.084	.043	.419 .360	.232 .222	.203	.193	.300	.503	.460	BLUE	
120		1/4 (.250)			1.762					.305 .328	.275		.260	.623		.580
121		5/16 (.312)								.338	.323					
122		3/8 (.375)			.400					.385						

TABLE 1 - DASH NUMBERS AND CHARACTERISTICS (CONTINUED)

DASH NO.	WIRE 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)			.400					.385	.804		.740		
128		1/2 (.500)	2.269		.453					.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)			.400					.385	.987				
131		1/2 (.500)	2.370		.453					.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)			.400					.385	.903		.860		
134		1/2 (.500)	2.525		.453					.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: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS7928.

1. CONFIGURATION:

CONFIGURATION SHALL BE IN ACCORDANCE WITH FIGURE 1 AND TABLE 1.

CONTOUR INDICATED BY PHANTOM LINES MAY VARY FROM THAT SHOWN TO SUIT INDIVIDUAL MANUFACTURER'S DESIGN.

DIMENSIONS ARE IN INCHES. MAX AND MIN DIMENSIONS DUE TO OVALIZATION MUST BE WITHIN 3% OF SPECIFICATION REQUIREMENTS.

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

BELL MOUTH DIMENSION "J" IN FIGURE 1 IS DESIGN TO FACILITATE THE WIRE INSERTION AND REPRESENTS THE MIN ID OPENING THAT WILL ACCEPT THE FINISHED WIRE.

THIN WALL INSULATED WIRES WITH AN OUTSIDE DIAMETER SMALLER THAN DIMENSION "F" WILL PERMIT THE INSULATION PORTION OF THE WIRE TO ENTER THE CONDUCTOR CRIMP AREA. THE CONDUCTOR MUST BE POSITION BY EYE SIGHT IN TO THE CRIMP BARREL AREA TO INSURE A RELIABLE CRIMP.

INSULATION SUPPORT AND TERMINAL BARREL MAY BE MULTIPLE PIECE CONSTRUCTION. WIRE INSERTION IS FACILITATED BY BELL MOUTH.

REMOVE ALL BURRS AND SHARP EDGES.

2. MATERIALS:

MATERIALS SHALL BE IN ACCORDANCE WITH AS7928.

TIN PLATED (WHISKER RESISTANT) SHALL BE PER ASTM B545, ALLOYED WITH 3% BY WEIGHT, MINIMUM LEAD. PLATING THICKNESS SHALL BE .0002 INCH MINIMUM (REFER TO AS7928 AND GEIA-STD-0005-2 FOR MORE DETAILS).

	AEROSPACE STANDARD	AS7928™/13 SHEET 3 OF 5	REV. D
	TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, COPPER TERMINAL, LUG, INSULATED, TIN WHISKER RESISTANT, RING TONGUE, BELL-MOUTHED, TYPE II, CLASS 1 (FOR 150 °C TOTAL CONDUCTOR TEMPERATURE)		