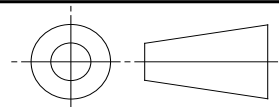


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REV. D	FEDERAL SUPPLY CLASS 5940	
	RATIONALE AS7928/13 IS BEING STABILIZED BECAUSE THE PROCESSES/PRODUCT IS CONSIDERED MATURE AND THE COMMITTEE DOES NOT ANTICIPATE FUTURE TECHNICAL CHANGES. STABILIZATION DOES NOT IMPLY THE PROCESS OR PRODUCT IS UNACCEPTABLE 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.

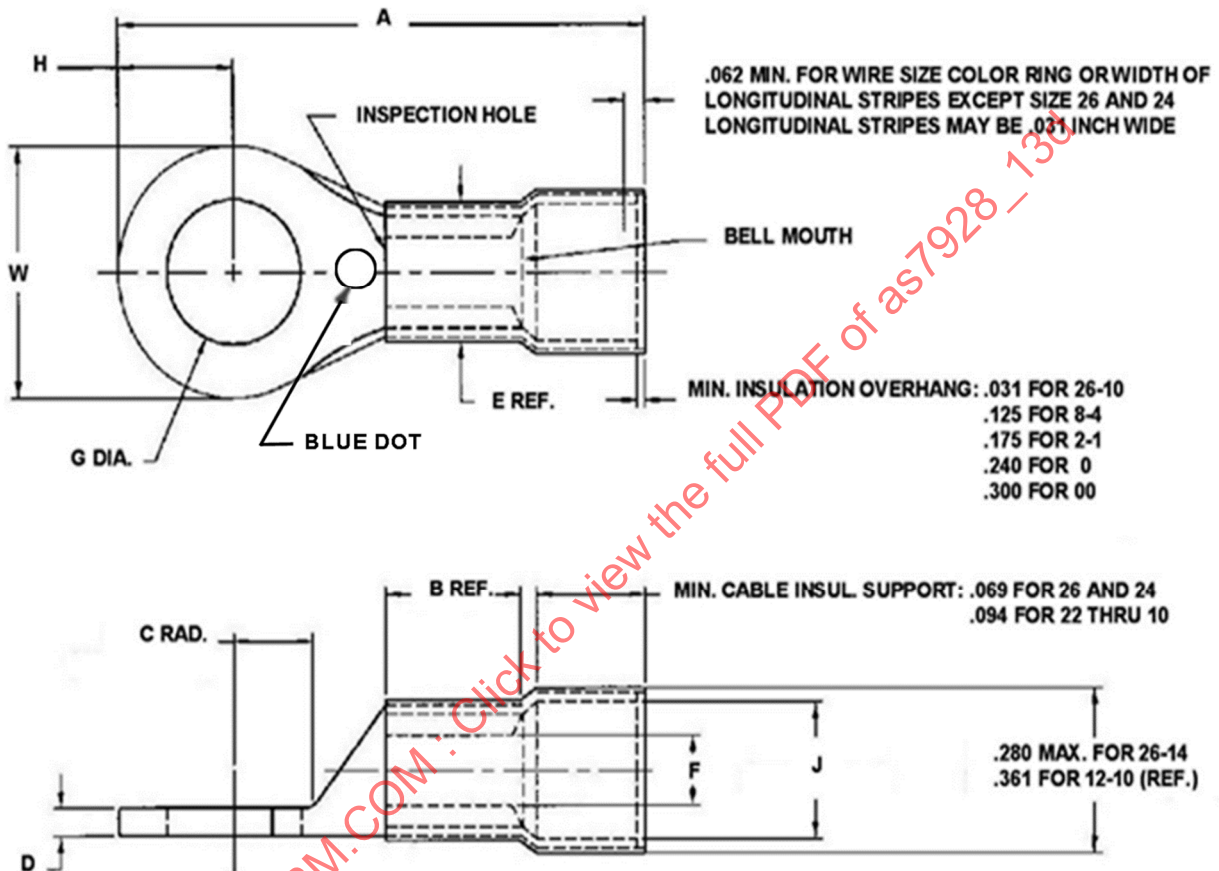


FIGURE 1 - AS7928/13 TERMINAL

	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)			

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SHEET 1 OF 5

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				
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)			.328					.338	.323				
114		3/8 (.375)	1.414		.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	.084	.043	.419 .360	.232 .222	.203	.193	.300	.503	.460	BLUE
120		1/4 (.250)			.265					.275	.260		.623	.580	
121		5/16 (.312)	1.762		.305					.338	.323				
122		3/8 (.375)			.328					.400	.385				



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)

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SHEET 2 OF 5

**REV.
D**

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				
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: 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)			