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AS25036

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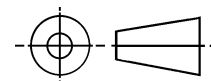
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THIRD ANGLE PROJECTION



ISSUED 1998-07 REAFFIRMED 2004-03

PREPARED BY SUBCOMMITTEE AE-8C2

ACQUISITION SPECIFICATION: MIL-T-7928

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

TERMINAL, LUG, CRIMP STYLE, COPPER, INSULATED,
RING TONGUE, BELL-MOUTHED, TYPE II, CLASS 1,
(FOR 105°C TOTAL CONDUCTOR TEMPERATURE)

AS25036
SHEET 1 OF 4

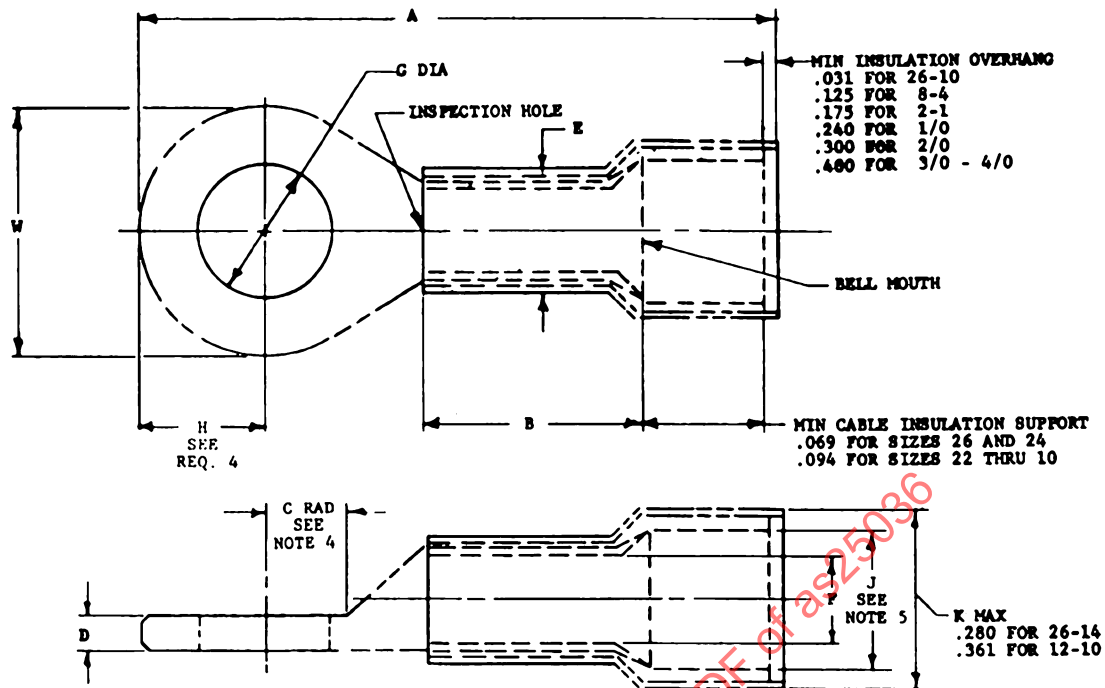


TABLE I. METRIC CONVERSIONS

INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm
.022	0.56	.133	3.38	.260	6.73	.410	10.19	.598	15.19	.865	21.97
.027	0.69	.138	3.51	.275	6.99	.418	10.62	.605	15.37	.887	22.53
.028	0.71	.139	3.53	.276	7.01	.425	10.80	.610	15.49	.890	22.61
.029	0.74	.140	3.56	.280	7.11	.429	10.90	.620	15.75	.903	22.94
.031	0.78	.142	3.61	.290	7.37	.435	11.05	.622	15.80	.910	23.11
.033	0.84	.150	3.81	.296	7.52	.437	11.10	.623	15.82	.913	23.19
.035	0.89	.152	3.86	.300	7.62	.438	11.13	.625	15.88	.930	23.62
.037	0.94	.153	3.89	.302	7.67	.450	11.43	.630	16.00	.955	24.26
.038	0.97	.156	3.96	.305	7.75	.453	11.51	.645	16.38	.956	24.28
.043	1.09	.160	4.06	.308	7.82	.458	11.63	.648	16.46	1.000	25.40
.047	1.19	.164	4.17	.310	7.87	.460	11.68	.668	16.97	1.010	25.65
.052	1.32	.168	4.27	.3125	7.94	.473	12.01	.680	17.27	1.053	26.75
.054	1.37	.171	4.34	.315	8.00	.478	12.14	.685	17.40	1.085	27.56
.069	1.75	.175	4.45	.317	8.05	.480	12.19	.690	17.53	1.090	27.69
.070	1.78	.176	4.47	.320	8.13	.500	12.70	.700	17.78	1.095	27.81
.073	1.85	.178	4.52	.323	8.20	.503	12.78	.705	17.91	1.120	28.45
.075	1.91	.186	4.72	.328	8.33	.505	12.83	.711	18.06	1.148	29.16
.081	2.06	.190	4.83	.330	8.38	.510	12.95	.718	18.24	1.225	31.12
.084	2.13	.193	4.90	.338	8.59	.513	13.03	.720	18.29	1.320	33.53
.085	2.16	.198	5.03	.343	8.71	.516	13.11	.729	18.52	1.322	33.58
.086	2.18	.202	5.13	.350	8.89	.520	13.21	.734	18.64	1.402	35.61
.090	2.29	.203	5.16	.355	9.02	.525	13.34	.740	18.80	1.414	35.92
.094	2.39	.208	5.28	.360	9.14	.536	13.61	.750	19.05	1.466	37.24
.095	2.41	.210	5.33	.361	9.17	.540	13.72	.755	19.18	1.544	39.22
.096	2.44	.215	5.46	.365	9.27	.547	13.89	.774	19.66	1.599	40.61
.098	2.49	.222	5.64	.370	9.40	.550	13.97	.783	19.89	1.762	44.75
.109	2.77	.227	5.77	.375	9.53	.557	14.15	.790	20.07	1.812	45.62
.112	2.84	.230	5.84	.380	9.65	.560	14.22	.802	20.37	1.879	47.73
.114	2.90	.232	5.89	.383	9.73	.565	14.35	.804	20.42	2.069	52.55
.120	3.05	.234	5.94	.385	9.78	.570	14.48	.810	20.57	2.150	54.61
.122	3.10	.238	6.05	.386	9.80	.573	14.55	.815	20.70	2.269	57.63
.125	3.18	.240	6.10	.388	9.86	.577	14.66	.840	21.34	2.370	60.20
.126	3.20	.245	6.22	.398	10.11	.580	14.73	.850	21.59	2.401	60.99
.129	3.28	.250	6.35	.400	10.16	.590	14.99	.853	21.67	2.525	64.14
		.253	6.53					.855	21.72	2.750	69.85
		.260	6.60					.860	21.84	3.000	76.20
										3.330	84.58

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER ACQUISITION DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

TABLE II. DIMENSIONS

DASH NO.	TERMI- NAL SIZE	STUD SIZE	A MAX	B MIN	C MIN RAD	D		E DIA	F DIA	G DIA		J MIN DIA	W		INSU- LATING SLEEVE COVER
						MAX	MIN			MAX	MIN		MAX	MIN	
143	26-24	2 (.086)	.740	.126	.133	.028	.022	.215	.033	.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)	.865		.227					.178	.168				
147		10 (.190)	.865							.203	.193				
149	22-18	2 (.086)		.156	.115	.035	.027	.215	.073	.098	.090	.120	.230	.198	RED
148		4 (.112)	.755		.125					.122	.114		.210		
101		6 (.138)	.790		.202					.152	.142		.260	.245	
102		8 (.164)	.865		.234					.178	.168		.320	.305	
103		10 (.190)	.930		.265					.203	.193		.473	.450	
150		1/4 (.250)	1.090		.296					.275	.260				
104		5/16 (.3125)			.328					.338	.323		.540	.520	
105		3/8 (.375)	1.320		.328					.400	.385		.720	.705	
151		1/2 (.500)			.453					.525	.510				
152		4 (.112)	.774		.125					.122	.114		.260	.240	
106	16-14	6 (.138)	.815	.156	.202	.035	.029	.240	.095	.152	.142	.153	.317	.302	BLUE
107		8 (.164)	.910		.234					.178	.168		.473	.450	
153		10 (.190)	.955		.265					.203	.193				
108		1/4 (.250)	1.085		.296					.275	.260				
154		5/16 (.3125)			.328					.338	.323		.540	.520	
109		3/8 (.375)	1.225		.328					.400	.385		.720	.705	
110		1/2 (.500)	1.320		.453					.525	.510				
155															
111	12-10	6 (.138)	1.120	.234	.202	.043	.037	.300	.139	.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 (.3125)			.328					.338	.323				
114		3/8 (.375)	1.414		.328					.400	.385				
158		1/2 (.500)			.453					.525	.510				
115	8	10 (.190)	1.402	.315	.234	.084	.038	.350	.186	.203	.193	.257	.429	.386	RED
116		1/4 (.250)	1.466		.265					.275	.260		.478	.435	
117		5/16 (.3125)			.296					.338	.323		.590	.547	
118		3/8 (.375)	1.544		.328					.400	.385				
119	6	10 (.190)	1.599	.375	.238	.084	.043	.410	.232	.203	.193	.310	.503	.460	BLUE
120		1/4 (.250)			.265					.275	.260		.623	.580	
121		5/16 (.3125)	1.762		.305					.338	.323				
122		3/8 (.375)			.328					.400	.385				
123	4	1/4 (.250)	1.812	.437	.276	.096	.047	.500	.290	.275	.260	.370	.570	.480	YELLOW
124		5/16 (.3125)			.308					.338	.323		.648	.605	
125		3/8 (.375)	1.879		.328					.400	.385				
126	2	1/4 (.250)	2.069	.505	.343	.109	.054	.560	.365	.275	.260	.453	.711	.668	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	.398	.275	.260	.500	.783	.740	CLEAR TO WHITE
130		3/8 (.375)			.453					.400	.385		.887	.740	
131		1/2 (.500)	2.370							.525	.510				
132	0	1/4 (.250)	2.401	.630	.418	.125	.070	.685	.458	.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 (.3125)		.700	.473	.129	.075	.755	.520	.338	.323	.610	.956	.913	YELLOW
136		3/8 (.375)	2.750							.400	.385				
137		1/2 (.500)								.525	.510				
138	000	3/8 (.375)	3.000	.718	.513	.140	.085	.840	.577	.400	.385	.680	1.053	1.010	RED
139		1/2 (.500)								.525	.510				
140	0000	3/8 (.375)		.734	.560	.150	.095	1.000	.645	.400	.385	.750	1.148	1.095	BLUE
141		1/2 (.500)	3.330							.525	.510				

REQUIREMENTS:

1. MATERIAL: SEE ACQUISITION SPECIFICATION.
2. INSULATION MATERIAL: SEE ACQUISITION SPECIFICATION.
3. FINISH: TIN PLATED, SEE ACQUISITION SPECIFICATION.
4. "H" MAX AND MIN DIMENSIONS SHALL BE ONE HALF OF "W" MAX AND MIN DIMENSIONS, RESPECTIVELY.
5. AVERAGE DIAMETER OF "E" AND "F" SHALL BE WITHIN SPECIFICATION DIMENSIONS: MAX AND MIN DIMENSIONS DUE TO OVALIZATION SHALL BE WITHIN 3% OF SPECIFICATION REQUIREMENTS.