FEDERAL SUPPLY CLASS
5940

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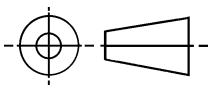
ISSUED 1998-07 REAFFIRMED 2004-03

THIRD ANGLE PROJECTION



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

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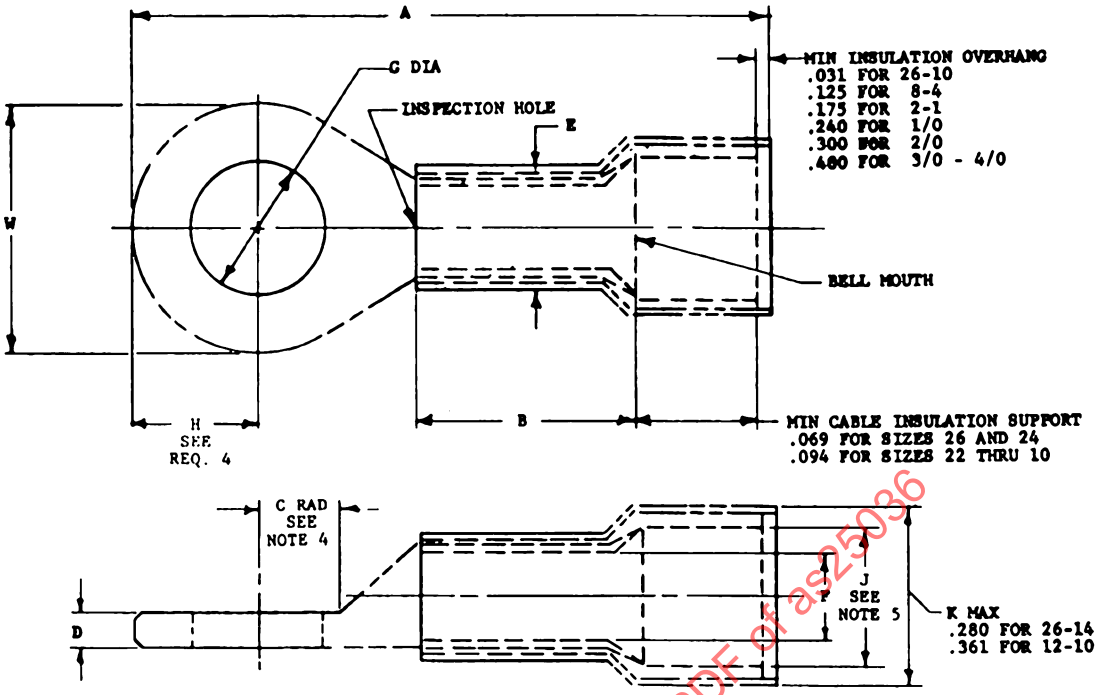

TABLE I. METRIC CONVERSIONS

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.	TERMINAL SIZE	STUD SIZE	A MAX	B MIN	C MIN RAD	D MAX	D MIN	E DIA	F DIA	G DIA MAX	G DIA MIN	J MIN DIA	W MAX	W MIN	INSULATING SLEEVE COVER
143	26-24	2(.086)	.740	.126	.133	.028	.022	.215	.033	.098	.090	.084	.210	.133	YELLOW
144		4(.112)	.755		.171			.190	.027	.122	.114		.260	.193	
145		6(.138)								.152	.142				
146		8(.164)	.855		.202					.178	.168		.330	.245	
147		10(.190)	.865		.227					.203	.193				
159	22-18	2(.086)		.156	.115	.035	.027	.215	.073	.098	.090	.120	.230	.198	RED
148		4(.112)	.755					.190	.052	.122	.114			.210	
101		6(.138)	.790		.125										
102		6(.138)	.865		.202					.152	.142		.260	.245	
149		8(.164)	.930							.178	.168		.320	.305	
103		10(.190)			.234					.203	.193				
150		1/4(.250)	1.090		.265					.275	.260		.473	.450	
104		5/16(.3125)			.296					.338	.323				
105		3/8(.375)	1.320		.328					.400	.385		.540	.520	
151		1/2(.500)			.453					.525	.510		.720	.705	
152	16-14	4(.112)	.774	.156	.125	.035	.029	.240	.095	.122	.114	.153	.260	.240	BLUE
106		6(.138)	.815					.210	.081	.152	.142				
107		6(.138)	.910		.202								.317	.302	
153		8(.164)	.955							.178	.168				
108		10(.190)	.955		.234					.203	.193				
154		1/4(.250)	1.085		.265					.275	.260		.473	.450	
109		5/16(.3125)			.296					.338	.323				
110		3/8(.375)	1.225		.328					.400	.385		.540	.520	
155		1/2(.500)	1.320		.453					.525	.510		.720	.705	
111	12-10	6(.138)	1.120	.234	.202	.043	.037	.300	.139	.152	.142	.210	.380	.365	YELLOW
156		8(.164)						.275	.129	.178	.168				
112		10(.190)			.234					.203	.193				
157		1/4(.250)	1.322		.265					.275	.260		.536	.516	
113		5/16(.3125)			.296					.338	.323				
114		3/8(.375)	1.414		.328					.400	.385		.598	.573	
158		1/2(.500)			.453					.525	.510		.720	.705	
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			.300	.176	.275	.260		.478	.435	
117		5/16(.3125)	1.544		.296					.338	.323		.590	.547	
118		3/8(.375)			.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			.360	.222	.275	.260				
121		5/16(.3125)	1.762		.305					.338	.323		.623	.580	
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)	1.879		.308			.425	.280	.338	.323		.648	.605	
125		3/8(.375)			.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)						.510	.355	.400	.385				
128		1/2(.500)	2.269		.453					.525	.510		.804	.740	
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)						.560	.388	.400	.385				
131		1/2(.500)	2.370		.453					.525	.510		.887	.740	
132	0	1/4(.250)	2.401	.630	.418	.125	.070	.685	.458	.275	.260	.550	.853	.810	BLUE
133		3/8(.375)						.625	.438	.400	.385				
134		1/2(.500)	2.525		.458					.525	.510		.903	.860	
135	00	5/16(.3125)	2.750	.700	.473	.129	.075	.755	.520	.338	.323	.610	.956	.913	YELLOW
136		3/8(.375)						.685	.500	.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)						.729	.557	.525	.510				
140	0000	3/8(.375)	3.330	.734	.560	.150	.095	1.000	.645	.400	.385	.750	1.148	1.095	BLUE
141		1/2(.500)						.802	.622	.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.