

REV.
B

SAE AS7928/12

RATIONALE

REVISION REQUIRED TO ADD DIMENSION E IN TABLE 1 ON SHEET 4 AND CLARIFY DIMENSION E AS A REFERENCE.

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS7928.

FEDERAL SUPPLY CLASS
5940

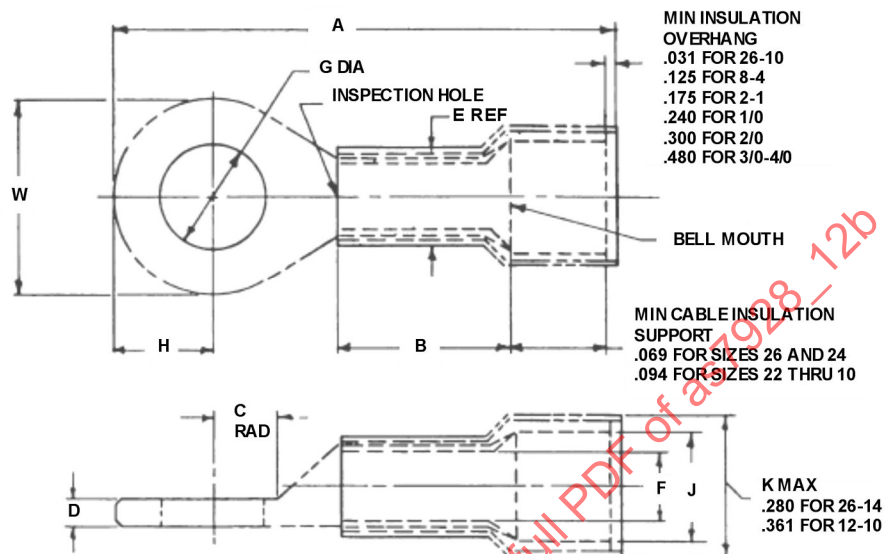


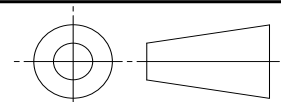
FIGURE 1 – TERMINAL CONSTRUCTION

NOTES:

1. DIMENSIONS IN INCHES.
2. CONTOUR INDICATED BY PHANTOM LINES MAY VARY FROM THAT SHOWN TO SUIT INDIVIDUAL MANUFACTURER'S DESIGN.
3. INSULATION SUPPORT AND TERMINAL BARREL MAY BE MULTIPLE PIECE CONSTRUCTION.
4. WIRE INSERTION IS FACILITATED BY BELL MOUTH.
5. DIMENSION "C RAD" REPRESENTS THE MINIMUM WASHER CLEARANCE RADIUS.
6. DIMENSION "J" REPRESENTS THE MINIMUM OPENING THAT WILL ACCEPT THE FINISHED WIRE.

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS7928/12B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS7928

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

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

SAE AS7928/12
SHEET 1 OF 5

REV.
B

TABLE 1 – DIMENSIONS

DASH NO.	WIRE SIZE	STUD SIZE	A MAX	B MIN	C MIN RAD	D		E DIA REF	F DIA	G DIA		J MIN DIA	W		INSULATING SLEEVE COLOR
						MAX	MIN			MAX	MIN		MAX	MIN	
143	26-24	2	0.086	0.740	0.133	0.028	0.022	0.215/0.190	0.033/0.027	0.098	0.090	0.084	0.210	0.133	Yellow
144	26-24	4	0.112	0.755	0.171	0.028	0.022	0.215/0.190	0.033/0.027	0.122	0.114	0.084	0.260	0.193	Yellow
145	26-24	6	0.138	0.855	0.202	0.028	0.022	0.215/0.190	0.033/0.027	0.152	0.142	0.084	0.260	0.245	Yellow
146	26-24	8	0.164	0.855	0.202	0.028	0.022	0.215/0.190	0.033/0.027	0.178	0.168	0.084	0.330	0.245	Yellow
147	26-24	10	0.190	0.865	0.227	0.028	0.022	0.215/0.190	0.033/0.027	0.203	0.193	0.084	0.330	0.245	Yellow
159	22-18	2	0.086	0.755	0.115	0.035	0.027	0.215/0.190	0.073/0.052	0.098	0.090	0.120	0.230	0.198	Red
148	22-18	4	0.112	0.755	0.125	0.035	0.027	0.215/0.190	0.073/0.052	0.122	0.114	0.120	0.230	0.210	Red
101	22-18	6	0.138	0.790	0.125	0.035	0.027	0.215/0.190	0.073/0.052	0.152	0.142	0.120	0.230	0.210	Red
102	22-18	6	0.138	0.865	0.202	0.035	0.027	0.215/0.190	0.073/0.052	0.152	0.142	0.120	0.260	0.245	Red
149	22-18	8	0.164	0.930	0.202	0.035	0.027	0.215/0.190	0.073/0.052	0.178	0.168	0.120	0.320	0.305	Red
103	22-18	10	0.190	1.090	0.234	0.035	0.027	0.215/0.190	0.073/0.052	0.203	0.193	0.120	0.320	0.305	Red
150	22-18	1/4	0.250	1.090	0.265	0.035	0.027	0.215/0.190	0.073/0.052	0.275	0.260	0.120	0.473	0.450	Red
104	22-18	5/16	0.313	1.090	0.296	0.035	0.027	0.215/0.190	0.073/0.052	0.338	0.323	0.120	0.473	0.450	Red
105	22-18	3/8	0.375	1.320	0.328	0.035	0.027	0.215/0.190	0.073/0.052	0.400	0.385	0.120	0.540	0.520	Red
151	22-18	1/2	0.500	1.320	0.453	0.035	0.027	0.215/0.190	0.073/0.052	0.525	0.510	0.120	0.720	0.705	Red
152	16-14	4	0.112	0.774	0.125	0.035	0.029	0.240/0.210	0.095/0.081	0.122	0.114	0.153	0.260	0.240	Blue
106	16-14	6	0.138	0.815	0.125	0.035	0.029	0.240/0.210	0.095/0.081	0.152	0.142	0.153	0.260	0.240	Blue
107	16-14	6	0.138	0.910	0.202	0.035	0.029	0.240/0.210	0.095/0.081	0.152	0.142	0.153	0.317	0.302	Blue
153	16-14	8	0.164	0.955	0.202	0.035	0.029	0.240/0.210	0.095/0.081	0.178	0.168	0.153	0.317	0.302	Blue
108	16-14	10	0.190	0.955	0.234	0.035	0.029	0.240/0.210	0.095/0.081	0.203	0.193	0.153	0.317	0.302	Blue

TABLE 1 – DIMENSIONS (CONT'D)

DASH NO.	WIRE SIZE	STUD SIZE	A MAX	B MIN	C MIN RAD	D		E DIA REF	F DIA	G DIA		J MIN DIA	W		INSULATING SLEEVE COLOR
						MAX	MIN			MAX	MIN		MAX	MIN	
154	16-14	1/4	0.250	1.085	0.156	0.265	0.029	0.240/0.210	0.095/0.081	0.275	0.260	0.153	0.473	0.450	Blue
109	16-14	5/16	0.313	1.085	0.156	0.296	0.029	0.240/0.210	0.095/0.081	0.338	0.323	0.153	0.473	0.450	Blue
110	16-14	3/8	0.375	1.225	0.156	0.328	0.029	0.240/0.210	0.095/0.081	0.400	0.385	0.153	0.540	0.520	Blue
155	16-14	1/2	0.500	1.320	0.156	0.453	0.029	0.240/0.210	0.095/0.081	0.525	0.510	0.153	0.720	0.705	Blue
111	12-10	6	0.138	1.120	0.234	0.202	0.037	0.300/0.275	0.139/0.129	0.152	0.142	0.210	0.380	0.365	Yellow
156	12-10	8	0.164	1.120	0.234	0.202	0.037	0.300/0.275	0.139/0.129	0.178	0.168	0.210	0.380	0.365	Yellow
112	12-10	10	0.190	1.120	0.234	0.234	0.037	0.300/0.275	0.139/0.129	0.203	0.193	0.210	0.380	0.365	Yellow
157	12-10	1/4	0.250	1.322	0.234	0.265	0.037	0.300/0.275	0.139/0.129	0.275	0.260	0.210	0.536	0.516	Yellow
113	12-10	5/16	0.313	1.322	0.234	0.296	0.037	0.300/0.275	0.139/0.129	0.338	0.323	0.210	0.536	0.516	Yellow
114	12-10	3/8	0.375	1.414	0.234	0.328	0.037	0.300/0.275	0.139/0.129	0.400	0.385	0.210	0.598	0.573	Yellow
158	12-10	1/2	0.500	1.414	0.234	0.453	0.037	0.300/0.275	0.139/0.129	0.525	0.510	0.210	0.720	0.705	Yellow
115	8	10	0.190	1.402	0.315	0.234	0.038	0.350/0.300	0.186/0.176	0.203	0.193	0.257	0.429	0.386	Red
116	8	1/4	0.250	1.466	0.315	0.265	0.038	0.350/0.300	0.186/0.176	0.275	0.260	0.257	0.478	0.435	Red
117	8	5/16	0.313	1.544	0.315	0.296	0.038	0.350/0.300	0.186/0.176	0.338	0.323	0.257	0.590	0.547	Red
118	8	3/8	0.375	1.544	0.315	0.328	0.038	0.350/0.300	0.186/0.176	0.400	0.385	0.257	0.590	0.547	Red
119	6	10	0.190	1.599	0.375	0.238	0.043	0.410/0.360	0.232/0.222	0.203	0.193	0.310	0.503	0.460	Blue
120	6	1/4	0.250	1.599	0.375	0.265	0.043	0.410/0.360	0.232/0.222	0.275	0.260	0.310	0.503	0.460	Blue
121	6	5/16	0.313	1.762	0.375	0.305	0.043	0.410/0.360	0.232/0.222	0.338	0.323	0.310	0.623	0.580	Blue
122	6	3/8	0.375	1.762	0.375	0.328	0.043	0.410/0.360	0.232/0.222	0.400	0.385	0.310	0.623	0.580	Blue
123	4	1/4	0.250	1.812	0.437	0.276	0.047	0.500/0.425	0.290/0.280	0.275	0.260	0.370	0.570	0.480	Yellow

TABLE 1 – DIMENSIONS (CONT'D)

DASH NO.	WIRE SIZE	STUD SIZE	A-MAX	B MIN	C MIN RAD	D		E DIA REF	F DIA	G DIA		J MIN DIA	W		INSULATING SLEEVE COLOR
						MAX	MIN			MAX	MIN		MAX	MIN	
124	4	5/16	0.313	1.879	0.437	0.096	0.047	0.500/0.425	0.290/0.280	0.338	0.323	0.370	0.648	0.605	Yellow
125	4	3/8	0.375	1.879	0.437	0.096	0.047	0.500/0.425	0.290/0.280	0.400	0.385	0.370	0.648	0.605	Yellow
126	2	1/4	0.250	2.069	0.505	0.109	0.054	0.560/0.510	0.365/0.355	0.275	0.260	0.453	0.711	0.668	Red
127	2	3/8	0.375	2.069	0.505	0.109	0.054	0.560/0.510	0.365/0.355	0.400	0.385	0.453	0.711	0.668	Red
128	2	1/2	0.500	2.269	0.505	0.109	0.054	0.560/0.510	0.365/0.355	0.525	0.510	0.453	0.804	0.740	Red
129	1	1/4	0.250	2.150	0.565	0.125	0.070	0.620/0.560	0.398/0.388	0.275	0.260	0.500	0.783	0.740	Clear
130	1	3/8	0.375	2.150	0.565	0.125	0.070	0.620/0.560	0.398/0.388	0.400	0.385	0.500	0.783	0.740	Clear
131	1	1/2	0.500	2.370	0.565	0.125	0.070	0.620/0.560	0.398/0.388	0.525	0.510	0.500	0.887	0.740	Clear
132	0	1/4	0.250	2.401	0.630	0.125	0.070	0.685/0.625	0.458/0.438	0.275	0.260	0.550	0.853	0.810	Blue
133	0	3/8	0.375	2.401	0.630	0.125	0.070	0.685/0.625	0.458/0.438	0.400	0.385	0.550	0.853	0.810	Blue
134	0	1/2	0.500	2.525	0.630	0.125	0.070	0.685/0.625	0.458/0.438	0.525	0.510	0.550	0.903	0.860	Blue
135	00	5/16	0.313	2.750	0.700	0.129	0.075	0.755/0.685	0.520/0.500	0.338	0.323	0.610	0.956	0.913	Yellow
136	00	3/8	0.375	2.750	0.700	0.129	0.075	0.755/0.685	0.520/0.500	0.400	0.385	0.610	0.956	0.913	Yellow
137	00	1/2	0.500	2.750	0.700	0.129	0.075	0.755/0.685	0.520/0.500	0.525	0.510	0.610	0.956	0.913	Yellow
138	000	3/8	0.375	3.000	0.718	0.140	0.085	0.840/0.729	0.577/0.557	0.400	0.385	0.680	1.053	1.010	Red
139	000	1/2	0.500	3.000	0.718	0.140	0.085	0.840/0.729	0.577/0.557	0.525	0.510	0.680	1.053	1.010	Red
140	0000	3/8	0.375	3.300	0.734	0.150	0.095	1.000/0.802	0.645/0.622	0.400	0.385	0.750	1.148	1.095	Blue
141	0000	1/2	0.500	3.300	0.734	0.150	0.095	1.000/0.802	0.645/0.622	0.525	0.510	0.750	1.148	1.095	Blue