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**REV.
C**

AS17143™

FEDERAL SUPPLY CLASS
5940

RATIONALE

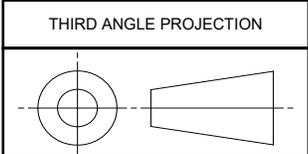
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CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS7928



AEROSPACE STANDARD

TERMINAL, LUG, CRIMP STYLE, COPPER,
INSULATED, RECTANGULAR TONGUE, TYPE II, CLASS 1
FOR 105 °C TOTAL CONDUCTOR TEMPERATURE

AS17143™

**REV.
C**

ISSUED 1997-08 REVISED 2015-12 REAFFIRMED 2020-11 STABILIZED 2024-12

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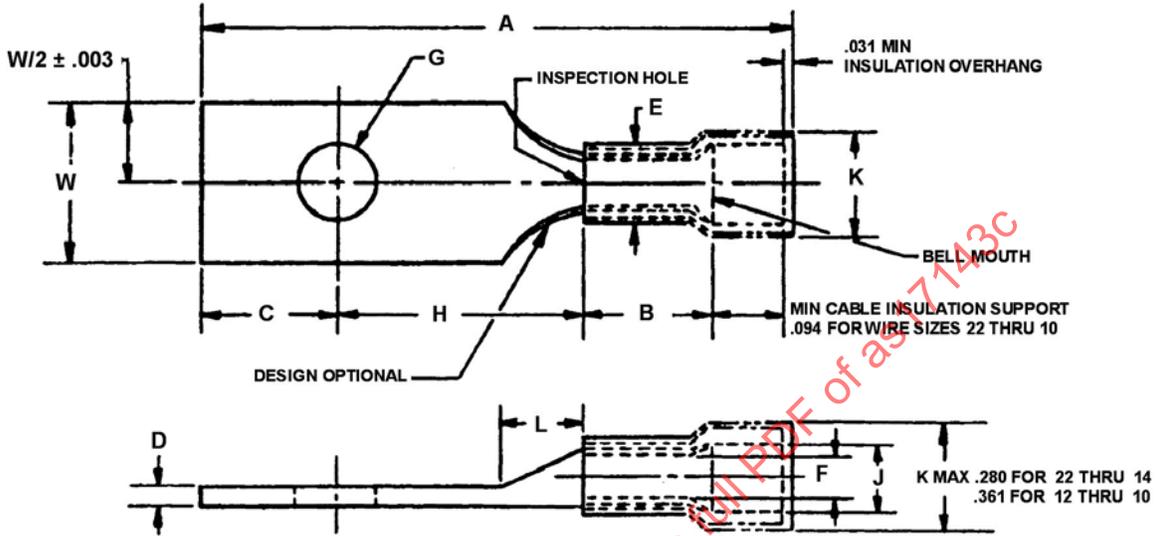


FIGURE 1

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS7928.

1. TERMINAL CONFIGURATION:

TERMINAL CONFIGURATION IS AS SHOWN IN FIGURE 1 AND TABLE 1. DESIGN IS OPTIONAL WITHIN THE DIMENSIONS SHOWN. DIMENSIONS ARE INCHES. STUD SIZE DIMENSIONS ARE SHOWN IN PARENTHESES.

INSULATION SUPPORT AND TERMINAL BARREL MAY BE MULTIPLE-PIECE CONSTRUCTION.

CABLE INSERTION SHALL BE FACILITATED BY BELL MOUTH DESIGN.

ALL BURRS AND SHARP EDGES SHALL BE REMOVED.

DIMENSION "J" REPRESENTS THE MINIMUM OPENING THAT WILL ACCEPT THE FINISHED WIRE.

	AEROSPACE STANDARD	AS17143™ SHEET 1 OF 4	REV. C
	TERMINAL, LUG, CRIMP STYLE, COPPER, INSULATED, RECTANGULAR TONGUE, TYPE II, CLASS 1 FOR 105 °C TOTAL CONDUCTOR TEMPERATURE		

TABLE 1 - TERMINAL CONFIGURATION

DASH NO.	WIRE SIZE	STUD SIZE (DEC)	A MAX	B MIN	C ±.010	D	E DIA	F DIA	G DIA	H MIN	J MIN DIA	L MAX	W ±.005	INSULATION SLEEVE COLOR
1	22-18	8 (.164)	1.359	.156	.310	.037 .029	.215 .190	.070 .052	.178 .168	.621	.120	.281	.390	RED
2	16-14		1.359	.156		.037 .029	.240 .210	.090 .081						BLUE
3	12-10		1.531	.234		.046 .035	.300 .275	.135 .129						YELLOW
4	22-18	6 (.138)	1.109	.156	.227	.037 .029	.215 .190	.070 .052	.152 .142	.465	.120	.250	.302	RED
5	16-14		1.109	.156		.037 .029	.240 .210	.090 .081						BLUE
6	12-10		1.281	.234		.046 .035	.300 .275	.135 .129						YELLOW
7	22-18	8 (.164)	1.109	.156	.227	.037 .029	.215 .190	.070 .052	.178 .168	.465	.120	.250	.302	RED
8	16-14		1.109	.156		.037 .029	.240 .210	.090 .081						BLUE
9	12-10		1.281	.234		.046 .035	.300 .275	.135 .129						YELLOW
10	22-18	5 (.125)	.859	.156	.143	.037 .029	.215 .190	.070 .052	.137 .129	.277	.120	.125	.277	RED
11	16-14		.859	.156		.037 .029	.240 .210	.090 .081						BLUE
12	12-10		1.046	.234		.046 .035	.300 .275	.135 .129						YELLOW
13	22-18	6 (.138)	1.015	.156	.195	.037 .029	.215 .190	.070 .052	.152 .142	.404	.120	.156	.237	RED
14	16-14		1.015	.156		.037 .029	.240 .210	.090 .081						BLUE
15	12-10		1.203	.234		.046 .035	.300 .275	.135 .129						YELLOW
16	22-18	4 (.112)	1.015	.156	.195	.037 .029	.215 .190	.070 .052	.122 .114	.404	.120	.156	.237	RED
17	16-14		1.015	.156		.037 .029	.240 .210	.090 .081						BLUE
18	12-10		1.203	.234		.046 .035	.300 .275	.135 .129						YELLOW
19	22-18	4 (.112)	.796	.156	.143	.037 .029	.215 .190	.070 .052	.122 .114	.237	.120	.125	.237	RED
20	16-14		.796	.156		.037 .029	.240 .210	.090 .081						BLUE
21	12-10		.984	.234		.046 .035	.300 .275	.135 .129						YELLOW
22	22-18	6 (.138)	.859	.156	.125	.037 .029	.215 .190	.070 .052	.152 .142	.312	.120	.156	.250	RED
23	22-18	6 (.138)	.796	.156	.140	.037 .029	.215 .190	.070 .052	.152 .142	.203	.120	.156	.296	RED
24	22-18	8 (.164)	.984	.156	.187	.037 .029	.215 .190	.070 .052	.178 .168	.375	.120	.156	.312	RED
25	22-18	10 (.190)	.906	.156	.203	.037 .029	.215 .190	.070 .052	.205 .195	.281	.120	.156	.375	RED
26	26-24	2 (.086)	.744	.126	.110	.028 .022	.215 .190	.033 .027	.098 .090	.203	.084	.125	.182	YELLOW
27	26-24	4 (.112)	.811	.126	.143	.028 .022	.215 .190	.033 .027	.122 .114	.237	.084	.125	.237	YELLOW
28	22-18	2 (.086)	.744	.156	.110	.037 .029	.215 .190	.070 .052	.098 .090	.203	.120	.125	.182	RED

