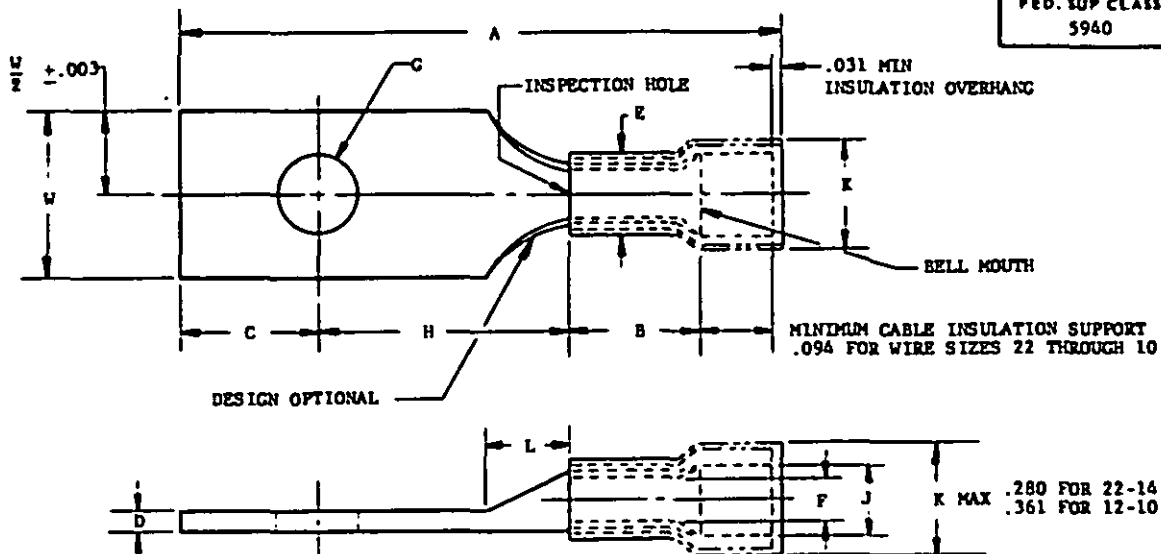


USER SYMBOLS:
NAVY - MC, CS
USAF - 11, 99
ARMY - AT, ME

REVIEWER SYMBOLS:
NAVY - EC, SH
USAF - 11, 99
ARMY - HI

"Notice/Note: Information is current as of the date of this document. For future coordination of changes to this document, draft circulation should be based on the information in the current DODDS."

This military standard is approved for use by all Departments & Agencies of the Department of Defense. Selection for all new engineering and design applications and for replacement use shall be made from this document.



FOR TABLES 1 AND 11 SEE SHEETS 2 AND 3.

REQUIREMENTS:

1. MATERIAL: SEE ACQUISITION SPECIFICATION.
2. FINISH: METAL, TIN PLATE. SEE ACQUISITION SPECIFICATION.
3. QUALIFICATION: FOR QUALIFICATION, TERMINALS SHALL BE TESTED WITH MIL-C-915 AND MIL-C-2194 CABLE AND TOOLING AS FOLLOWS.

TOOLING

(F)

MIL-C-22520/5-01 TOOLING WITH MIL-C-22520/5-100 DIES INSTALLED FOR SIZES 22 THRU 10 TERMINALS; OR MIL-C-22520/10-01 TOOLING WITH MIL-C-22520/10-101 DIES INSTALLED FOR SIZES 22 THRU 14 TERMINALS AND MIL-C-22520/10-100 DIES INSTALLED FOR SIZES 12 THRU 10 TERMINALS. EXISTING MS90413 AND MS3316 TOOLS IN THE FIELD MAY BE USED UNTIL WORN OUT.

4. THE COMBINATION OF DIMENSIONS H, C AND L MUST PERMIT WIRE TERMINALS TO BE STACKED ON ONE STUD ON THE FOLLOWING TERMINAL BOARDS IN THE QUANTITY SHOWN

STYLE	TERMINAL BOARD MIL-T-55164	QUANTITY OF WIRED TERMINALS
L80	-/10	4
L81	-/12	4
L82	-/19	4
L83	-/14	2
L84	-/16	4
L85	-/25	3
L86	-/24	2

NOTES:

1. DIMENSIONS IN INCHES.
2. METRIC EQUIVALENTS (TO THE NEAREST .01 mm) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON: 1 INCH = 25.4 mm.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. CONTOUR INDICATED BY PHANTOM LINES MAY VARY FROM THAT SHOWN TO SUIT INDIVIDUAL MANUFACTURER'S DESIGN.
5. INSULATION SUPPORT AND TERMINAL BARREL MAY BE MULTIPLE-PIECE CONSTRUCTION.
6. CABLE INSERTION SHALL BE FACILITATED BY BELL MOUTH.
7. MS17143 TERMINALS ARE DESIGNED FOR USE WITH MIL-T-55164 TERMINAL BOARDS.

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.

(F) DENOTES CHANGES

P.A. NAVY - AS Other Cust	TITLE TERMINAL, LUG, CRIMP STYLE, COPPER, INSULATED, RECTANGULAR TONGUE, TYPE II, CLASS 1 FOR 105°C TOTAL CONDUCTOR TEMPERATURE	MILITARY STANDARD MS17143
ACQUISITION SPECIFICATION MIL-T-7928	SUPERSEDES	SHEET 1 OF 3

REVIEWER SYMBOLS:
NAVY - EC, SH
USAF - 11, 99
ARMY - AT, ME

USED SYMBOLS:
NAVY - MC, OS
USAF - 11, 99
ARMY - AT, ME

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of the Department of Defense. Selection for all new
engineering and design applications and for repetitive use shall
be made from this document.

(F)

FED. SUP CLAS
5940

TABLE I															TABLE II	
DASH NO.	WIRE SIZE A/WG	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	TONGUE SHAPE (REFERENCE ONLY)	TERMINAL SIZE NAVY WIRE SIZE (REFERENCE ONLY)
1	22-18		1.359	.156		.037 .029	.215 .190	.070 .052			.120			RED	L80P-1	1 -2
2	16-14	8 (.164)	1.359	.156	.310	.037 .029	.240 .210	.090 .081	.178 .168	.621	.153	.281	.390	BLUE	L80P-2	2 1/2 -4
3	12-10		1.531	.234		.046 .035	.300 .275	.135 .129			.210			YELLOW	L80P-3	6 -9
4	22-18		1.109	.156		.037 .029	.215 .190	.070 .052			.120			RED	L81P-1	1 -2
5	16-14	6 (.138)	1.109	.156	.227	.037 .029	.240 .210	.090 .081	.152 .142	.465	.153	.250	.302	BLUE	L81P-2	2 1/2 -4
6	12-10		1.281	.234		.046 .035	.300 .275	.135 .129			.210			YELLOW	L81P-3	6 -9
7	22-18		1.109	.156		.037 .029	.215 .190	.070 .052			.120			RED	L82P-1	1 -2
8	16-14	8 (.164)	1.109	.156	.227	.037 .029	.240 .210	.090 .081	.178 .168	.465	.153	.250	.302	BLUE	L82P-2	2 1/2 -4
9	12-10		1.281	.234		.046 .035	.300 .275	.135 .129			.210			YELLOW	L82P-3	6 -9
10	22-18		.859	.156		.037 .029	.215 .190	.070 .052			.120			RED	L83P-1	1 -2
11	16-14	5 (.125)	.859	.156	.143	.037 .029	.240 .210	.090 .081	.137 .129	.277	.153	.125	.277	BLUE	L83P-2	2 1/2 -4
12	12-10		1.046	.234		.046 .035	.300 .275	.135 .129			.210			YELLOW	L83P-3	6 -9
13	22-18		1.015	.156		.037 .029	.215 .190	.070 .052			.120			RED	L84P-1	1 -2
14	16-14	6 (.138)	1.015	.156	.195	.037 .029	.240 .210	.090 .081	.152 .142	.404	.153	.156	.237	BLUE	L84P-2	2 1/2 -4
15	12-10		1.203	.234		.046 .035	.300 .275	.135 .129			.210			YELLOW	L84P-3	6 -9
16	22-18		1.015	.156		.037 .029	.215 .190	.070 .052			.120			RED	L85P-1	1 -2
17	16-14	4 (.112)	1.015	.156	.195	.037 .029	.240 .210	.090 .081	.122 .114	.404	.153	.156	.237	BLUE	L85P-2	2 1/2 -4
18	12-10		1.203	.234		.046 .035	.300 .275	.135 .129			.210			YELLOW	L85P-3	6 -9
19	22-18		.796	.156		.037 .029	.215 .190	.070 .052			.120			RED	L86P-1	1 -2
20	16-14	4 (.112)	.796	.156	.143	.037 .029	.240 .210	.090 .081	.122 .114	.237	.153	.125	.237	BLUE	L86P-2	2 1/2 -4
21	12-10		.984	.234		.046 .035	.300 .275	.135 .129			.210			YELLOW	L86P-3	6 -9

FED. SUP CLASS
5940

P.A.
NAVY - A5
Other Cust

ARMY - ER
USAF - 85

TITLE

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

MILITARY STANDARD

MS17143

ACQUISITION SPECIFICATION
MIL-T-7928

SUPERSEDES

SHEET 2 OF 3

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO 22065

APPROVED 10 AUG 1960 REVISED FOR CHANGES SEE SHITS 1, 2 & 3

REVIEWER SYMBOLS: USER SYMBOLS:

NAVY - EC, SH
USAF - 11, 99
ARMY - NI

NAVY - MC, OS
USAF -
ARMY - AT, ME

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For future coordination of changes to this document, draft circulation
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This military standard is approved for use by all Departments
of the Department of Defense. Selection for all use
engineering and design applications and for reporting use shall
be made from this document.

P.A.
NAVY - AS
Other Cuts

ARMY - ER
USAF - 85

ACQUISITION SPECIFICATION
MIL-T-7928

TITLE

TERMINAL, LUG, CRIMP STYLE, COPPER, INSULATED,
RECTANGULAR TONGUE, TYPE 11, CLASS 1
FOR 105°C TOTAL CONDUCTOR TEMPERATURE

SUPERSEDES

MILITARY STANDARD

MS17143

SHEET 3 OF 3

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO 7226

TABLE 1 (Continued)

DASH NO.	WIRE SIZE SIZE AUG	STUD SIZE (DEC)	A MAX	B MIN	C ±.010	D	E DIA	F DIA	G DIA	H MIN	J MIN DIA	L MAX	W ±.003	INSULATION SLEEVE COLOR	TONGUE SHAPE (REFERENCE ONLY)	TERMINAL SIZE NAVY WIRE SIZE (REFERENCE ONLY)
22	22-18	(.138)	.859	.156	.125	.037	.215 .190	.070 .052	.152 .142	.312	.120	.156	.250	RED		1 -2
23	22-18	(.138)	.796	.156	.140	.037	.215 .190	.070 .052	.152 .142	.203	.120	.156	.296	RED		1 -2
24	22-18	(.164)	.984	.156	.187	.037	.215 .190	.070 .052	.178 .168	.375	.120	.156	.312	RED		1 -2
25	22-18	(.190)	.906	.156	.203	.037	.215 .190	.070 .052	.203 .195	.281	.120	.156	.375	RED		1 -2
26	26-24	(.086)	.744	.126	.110	.028	.215 .190	.033 .027	.098 .090	.203	.084	.125	.182	YELLOW		
27	26-24	(.112)	.811	.126	.143	.028	.215 .190	.033 .027	.122 .114	.237	.084	.125	.237	YELLOW		
28	22-18	(.086)	.744	.156	.110	.037	.215 .190	.070 .052	.098 .090	.203	.120	.125	.182	RED		

TABLE 11 (Continued)

TONGUE SHAPE (REFERENCE ONLY)	TERMINAL SIZE NAVY WIRE SIZE (REFERENCE ONLY)
	1 -2
	1 -2
	1 -2
	1 -2

TABLE 111. METRIC CONVERSIONS

Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches
.003	0.08	.081	2.06	.135	3.43	.187	4.75	.277	7.04	.621	15.78					
.005	0.13	.084	2.13	.137	3.48	.190	4.83	.280	7.11	.744	18.90					
.010	0.25	.086	2.18	.138	3.51	.195	4.95	.281	7.14	.796	20.22					
.022	0.56	.090	2.29	.140	3.56	.203	5.16	.296	7.52	.811	20.60					
.027	0.69	.098	2.49	.142	3.61	.205	5.21	.300	7.62	.859	21.82					
.028	0.71	.110	2.79	.143	3.63	.210	5.33	.302	7.67	.906	23.01					
.029	0.74	.112	2.84	.152	3.86	.215	5.46	.310	7.87	.984	24.99					
.031	0.79	.116	2.90	.153	3.89	.227	5.77	.312	7.92	1.015	25.78					
.033	0.84	.120	3.05	.156	3.96	.234	5.94	.361	9.17	1.046	26.57					
.035	0.89	.122	3.10	.164	4.17	.237	6.02	.375	9.53	1.109	28.17					
.037	0.94	.125	3.18	.168	4.27	.240	6.10	.390	9.91	1.203	30.56					
.046	1.17	.126	3.20	.178	4.52	.250	6.35	.404	10.26	1.281	32.54					
.052	1.32	.129	3.28	.182	4.62	.275	6.99	.465	11.81	1.359	34.52					
.070	1.78									1.531	38.89					

APPROVED 10 AUG 1960 REVISED ⑦ FOR CHARGES SEE SHEETS 1, 2 & 3