

INCH-POUND

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DEPARTMENT OF DEFENSE INTERFACE STANDARD

LEADS FOR ELECTRONIC COMPONENT PARTS



AMSC N/A

FSC 5999



MIL-STD-1276J

FOREWORD

1. This standard is approved for use by all Departments and Agencies of the Department of Defense.
2. Comments, suggestions, or questions on this document should be addressed to: DLA Land and Maritime, ATTN: VAT, Post Office Box 3990, Columbus, OH 43218-3990 or emailed to relay@dla.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <https://assist.dla.mil>.

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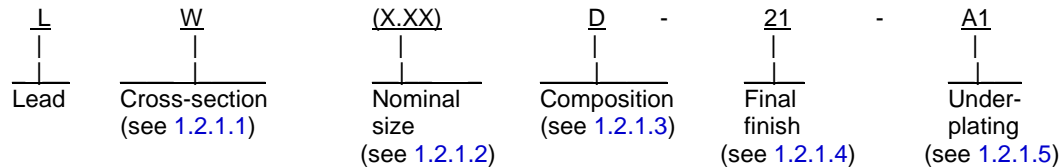
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1. SCOPE

1.1 Scope. This standard establishes the method of identifying, specifying, and limiting to a minimum the combinations of basic materials, the thickness and composition of the plating used therewith, and the sizes of wire and flat wire (ribbon) leads on electronic and electrical parts when they are to be soldered or welded during assembly in equipment.

1.2 Classification.

1.2.1 Type designation. The type designation will be in the following format:



1.2.1.1 Cross section. The lead cross section will be identified by a single letter symbol as follows:

- R - Rectangular.
- S - Square.
- W - Wire (round or circular).
- X - Other (as specified).

1.2.1.2 Nominal size. The lead size will be identified by the nominal diameter or nominal diagonal in millimeters (within parentheses) or inches (without parentheses). See [table I](#) for a list of suggested nominal sizes.

1.2.1.3 Composition. The lead composition will be identified by a single letter symbol as specified in [5.1](#).

1.2.1.4 Final finish. The final finish for leads will be identified by a two-number code as specified in [5.2](#).

1.2.1.5 Underplating. The underplating type and thickness will be identified by a one or two digit alpha-numeric code as specified in [5.2.1](#).

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TABLE I. Nominal size (for information only).

Wire size AWG (B and S)	Diameter in inches	Diameter in millimeters
1	.289	7.34
2	.257	6.53
3	.229	5.82
4	.204	5.18
5	.181	4.60
6	.162	4.11
7	.144	3.66
8	.128	3.25
9	.114	2.90
10	.101	2.57
11	.090	2.29
12	.080	2.03
13	.072	1.83
14	.064	1.63
15	.057	1.45
16	.050	1.27
17	.045	1.14
18	.040	1.02
19	.035	0.89
20	.032	0.81
21	.028	0.71
22	.025	0.64
23	.022	0.56
24	.020	0.51
25	.017	0.43
26	.015	0.38
27	.014	0.36
28	.012	0.30
29	.011	0.28
30	.010	0.25
31	.008	0.20
32	.008	0.20
33	.007	0.18
34	.006	0.15
35	.005	0.13
36	.005	0.13
37	.004	0.10
38	.004	0.10
39	.003	0.08
40	.003	0.08

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2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in [sections 3, 4, and 5](#) of this standard. This section does not include documents cited in other sections of this standard or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in [sections 3, 4, and 5](#) of this standard, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

DEPARTMENT OF DEFENSE SPECIFICATIONS

[MIL-DTL-45204](#) - Gold Plating, Electrodeposited

DEPARTMENT OF DEFENSE STANDARDS

[MIL-STD-202-208](#) - Test Methods for Electronic and Electronic and Electrical Component Parts, Solderability
[MIL-STD-750](#) - Test Methods for Semiconductor Devices
[MIL-STD-883](#) - Test Methods and Procedures for Microelectronics

(Copies of these documents are available online at <https://assist.dla.mil/>.)

2.3 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

IPC – ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES

[J-STD-006](#) - Requirements for Electronic Grade Solder Alloys and Fluxed and Non-Fluxed Solid Solders for Electronic Soldering Applications

(Copies of this document is available online at <http://www.ipc.org/>.)

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ASTM INTERNATIONAL

ASTM-B5	- Standard Specification for High Conductivity Tough-Pitch Copper Refinery Shapes
ASTM-B122/B122M	- Standard Specification for Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip and Rolled Bar
ASTM-B170	- Standard Specification for Oxygen-Free Electrolytic Copper-Refinery Shapes
ASTM-B452	- Standard Practice for Electronic Application, Wire, Steel, Copper-Clad
ASTM-B465	- Standard Specification for Copper-Iron Alloy Plate, Sheet, Strip, and Rolled Bar
ASTM-B487	- Standard Practice for Measurement of Metal and Oxide Coating Thickness by Microscopical Examination of a Cross-section
ASTM-B488	- Electrodeposited Coatings of Gold for Engineering Uses
ASTM-B545	- Standard Specification for Electrodeposited Coatings of Tin
ASTM-B567	- Standard Practice for Measurement of Coating Thickness by the Beta Backscatter Method Qualitative
ASTM-B571	- Standard Practice for Adhesion of Metallic Coating
ASTM-B592	- Standard Specification for Copper-Zinc-Aluminum-Cobalt or Nickel-Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for
ASTM-B700	- Standard Specification for Electrodeposited Coatings of Silver for Engineering Use
ASTM-B735	- Standard Test Method for Porosity in Gold Coatings on Metal Substrates by Nitric Acid Vapor
ASTM-B741	- Standard Test Method for Porosity in Gold Coatings on Metal Substrates by Paper Electrography
ASTM-F15	- Standard Specification for Iron-Nickel-Cobalt Sealing Alloy
ASTM-F29	- Standard Specification for Dumet Wire for Glass-to-Metal Seal Applications
ASTM-F30	- Standard Specification for Iron-Nickel Sealing Alloy

(Copies of these documents are available online at <http://www.astm.org/>.)

SAE INTERNATIONAL

SAE-AMS2404	- Nickel, Electroless, Plating
SAE-AMS2418	- Plating, Copper
SAE-AMS-P-81728	- Plating, Tin-Lead (Electrodeposited)
SAE-AMS-QQ-N-290	- Nickel Plating (Electrodeposited)

(Copies of these documents are available online at <http://www.sae.org/>.)

2.4 Order of precedence. Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein (except for related standard sheets), the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

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3. DEFINITIONS

3.1 Definitions. This section is not applicable to this standard.

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4. GENERAL REQUIREMENTS

4.1 Preferred methods of assembly. The preferred methods of assembly shall be in accordance with [table II.](#)

TABLE II. Preferred methods of assembly. [1/](#), [2/](#)

Composition (see 5.1)	Underplating (see 5.2.1)	Final finish (see 5.2)											
		01	21	22	32	34	41	43	51	52	61	71	72
A	A	---	S,W	S,W	S	S	S	S	S	S	W	S	S
"	B	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	C	---	---	---	"	"	"	"	"	"	"	"	"
B	A	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	B	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	C	---	---	---	"	"	"	"	"	"	"	"	"
C	A	---	---	---	"	"	"	"	"	"	"	"	"
"	B	---	---	---	"	"	"	"	"	"	"	"	"
"	P	---	---	---	"	"	"	"	"	"	"	"	"
"	N	W	---	---	"	"	"	"	"	"	"	"	"
D	A	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	B	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	C	---	---	---	"	"	"	"	"	"	"	"	"
"	P	---	---	---	"	"	"	"	"	"	"	"	"
"	N	---	---	---	"	"	"	"	"	"	"	"	"
E	A	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	B	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	C	---	---	---	"	"	"	"	"	"	"	"	"
"	P	---	---	---	"	"	"	"	"	"	"	"	"
"	N	---	---	---	"	"	"	"	"	"	"	"	"
F	A	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	B	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	C	---	---	---	"	"	"	"	"	"	"	"	"
"	P	---	---	---	"	"	"	"	"	"	"	"	"
"	N	---	---	---	"	"	"	"	"	"	"	"	"
G	A	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	B	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	C	---	---	---	"	"	"	"	"	"	"	"	"
"	P	---	---	---	"	"	"	"	"	"	"	"	"
"	N	---	---	---	"	"	"	"	"	"	"	"	"
H	A	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	B	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	C	---	---	---	"	"	"	"	"	"	"	"	"
"	P	---	---	---	"	"	"	"	"	"	"	"	"
"	N	---	---	---	"	"	"	"	"	"	"	"	"
J	A	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	B	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	C	---	---	---	"	"	"	"	"	"	"	"	"
K	A	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	B	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	C	---	---	---	"	"	"	"	"	"	"	"	"
"	P	---	---	---	"	"	"	"	"	"	"	"	"
"	N	---	---	---	"	"	"	"	"	"	"	"	"
L	A	---	---	---	"	"	"	"	"	"	"	"	"
"	B	---	---	---	"	"	"	"	"	"	"	"	"
"	P	---	---	---	"	"	"	"	"	"	"	"	"
"	N	---	---	---	"	"	"	"	"	"	"	"	"
M	C	---	---	---	"	"	"	"	"	"	"	"	"
"	P	---	---	---	"	"	"	"	"	"	"	"	"
"	N	---	---	---	"	"	"	"	"	"	"	"	"

See notes at end of table.

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TABLE II. Preferred methods of assembly - Continued. 1/, 2/

Composition (see 5.1)	Underplating (see 5.2.1)	Final finish (see 5.2)											
		01	21	22	32	34	41	43	51	52	61	71	72
N					S	S	S	S	S	S	W	S	S
"					"	"	"	"	"	"	"	"	"
"	C	---	---	---	"	"	"	"	"	"	"	"	"
"	P	---	---	---	"	"	"	"	"	"	"	"	"
"	N	W	---	---	"	"	"	"	"	"	"	"	"
W	A	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"	B	---	S,W	S,W	"	"	"	"	"	"	"	"	"
"					"	"	"	"	"	"	"	"	"
"	P	---	---	---	"	"	"	"	"	"	"	"	"
"	N	---	---	---	"	"	"	"	"	"	"	"	"
X	As specified in the acquisition document.												

1/ S = Solder.

2/ W = Weld.

4.2 Solderability. When specified in the acquisition documents, leads shall meet the following solderability requirements.

- a. Discrete semiconductor devices: Test method 2026 of [MIL-STD-750](#).
- b. Microelectronics: Test method 2003 of [MIL-STD-883](#).
- c. Other electronic and electrical component parts: Test method [MIL-STD-202-208](#).

4.3 Thickness. When specified in the acquisition document, the thickness of the final finish and underplating shall be determined in accordance with [ASTM-B487](#) or [ASTM-B567](#).

4.4 Adhesion. When specified in the acquisition document, the adhesion of the final finish and underplating shall be determined in accordance with [ASTM-B571](#) or method 2025 of [MIL-STD-883](#).

4.5 Porosity. When specified in the acquisition document, there shall be no evidence of porosity for final finishes 21, 22, and 61 when tested in accordance with [ASTM-B735](#) or [ASTM-B741](#).

4.6 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible, provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

4.7 Pure tin. The use of pure tin, as an underplate or final finish, is prohibited both internally and externally. Tin content of leads and solder shall not exceed 97 percent, by mass. Tin shall be alloyed with a minimum of 3 percent lead, by mass (see 6.6).

4.8 Workmanship in finishes. All plating or primary finishes or underplating shall be deposited in such a way that the plating is applied to a clean, nonoxidized metal surface that is free from defects that will be detrimental to the utility, form, fit, function, or protective value of the finish. Where surface cleaning, deoxidation, activation, or undercoating are used, the material or device so treated must proceed immediately to the primary finish process in order to maintain the ability to overplate effectively. Components shall be uniform in quality and shall be free of cracked or displaced parts, sharp edges, burrs, and other defects that could affect their life, serviceability, or appearance.

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5. DETAILED REQUIREMENTS

5.1 Composition. The specified lead composition (see 1.2.1.3) shall be homogeneous and conform to the requirements of the applicable documents and table as follows:

- A - Copper-iron-phosphorus-zinc alloy (194 alloy): [ASTM-B465](#) (see 5.2.1.4).
- B - Copper-iron-phosphorus-cobalt-tin alloy (195 alloy), 97 percent Cu, 1.5 percent Fe, 0.1 percent P, 0.8 percent Co, and 0.6 percent Sn (see 5.2.1.4).
- C - Copper (oxygen free): [ASTM-B170](#), grade 1 or grade 2.
- D - Copper-clad nickel-iron alloy (Dumet): [ASTM-F29](#).
- E - Copper-nickel-tin alloy (725 alloy), 88.2 percent Cu, 9.5 percent Ni, and 2.3 percent Sn: [ASTM-B122/B122M](#).
- F - Iron-nickel alloy (52 alloy): [ASTM-F30](#) (see 5.2.1.2).
- G - Iron-nickel alloy (42 alloy): [ASTM-F30](#) (see 5.2.1.2).
- H - Copper-aluminum-silicon-cobalt alloy (638 alloy), 95.0 percent Cu, 2.8 percent Al, 1.8 percent Si, and 0.4 percent Co.
- J - Copper-zinc-aluminum-cobalt alloy (688 alloy): [ASTM-B592](#) (see 5.2.1.4).
- K - Iron-nickel-cobalt alloy: [ASTM-F15](#) (see 5.2.1.2).
- L - Copper, Electrolytic tough - pitch: [ASTM-B5](#).
- M - Steel, nickel clad, 8 percent nickel, clad by weight.
- N - Nickel: See table III for ribbon leads or for round-wire leads.
- W - Steel, copper-clad: [ASTM-B452](#) (except that the percent of conductivity shall be a minimum of 16 percent.)
- X - Other composition as specified in the acquisition document (see 5.2.1.4).

TABLE III - Chemical composition

Ribbon leads		Round wire leads	
Element	Percent ^{1/}	Element	Percent ^{1/}
Nickel ^{2/}	99.0 min.	Nickel ^{2/}	99.0 min.
Others, total	1.00	Iron	0.30
Iron	0.30	Copper	0.20
Copper	0.20	Manganese	0.35
Manganese	0.35	Carbon	0.15
Carbon	0.15	Silicon	0.20
Silicon	0.20	Sulfur	0.008
Sulfur	0.008		

^{1/} Unless otherwise indicated, maximum allowable. Total not to exceed 100 percent.

^{2/} Cobalt counting as nickel.

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5.2 Final finish. The final finish for leads (see [1.2.1.4](#)) shall be homogeneous and conform to the following as applicable:

- 01 - No finish. Lead is supplied with no external finish.
- 21 - Gold plating, electrodeposited, in accordance with [ASTM-B488](#), type 2. The thickness of the gold plating shall be 100 to 300 microinches. When specified, under-plating shall be in accordance with [5.2.1.1](#).
- 22 - Gold plating, electrodeposited, in accordance with [ASTM-B488](#), type 2. The thickness of the gold plating shall be 50 to 100 microinches. When specified, under-plating shall be in accordance with [5.2.1.1](#).
- 32 - Tin-lead plating, electrodeposited, in accordance with [SAE-AMS-P-81728](#). Composition shall be 50 to 70 percent tin (remainder lead). The thickness shall be 300 to 900 microinches (22.9 μm).
- 34 - Fused (reflowed) tin-lead plated, electrodeposited, in accordance with [SAE-AMS-P-81728](#). Composition shall be 50 to 70 percent tin (remainder lead). The tin-lead thickness after fusing (or reflow), shall not be less than 100 microinches (2.54 μm) at any single point. The average thickness of all points measured shall be 300 (7.62 μm) to 500 microinches (12.7 μm).
- 41 - Acid-tin-lead plating, electrodeposited, in accordance with [ASTM-B545](#). Thickness shall be 300 (7.62 μm) to 500 microinches (12.7 μm). Minimum lead content shall be 3 percent.
- 43 - Matte-tin-lead plating, electrodeposited, in accordance with [ASTM-B545](#). The thickness shall be 300 (7.62 μm) to 500 microinches (12.7 μm). The matte-tin plating shall contain no more than 0.05 percent by weight codeposited organic material measured as elemental carbon. Minimum lead content shall be 3 percent.
- 45 - Acid-tin-lead plating, electrodeposited, in accordance with [ASTM-B545](#). Thickness shall be 100 (2.54 μm) to 300 microinches (7.62 μm). Minimum lead content shall be 3 percent.
- 46 - Matte-tin-lead plating (low organic content), electrodeposited, in accordance with [ASTM-B545](#). The thickness shall be 100 (2.54 μm) to 300 microinches (7.62 μm). The matte-tin plating shall contain no more than 0.05 percent by weight codeposited organic material measured as elemental carbon. Minimum lead content shall be 3 percent.
- 51 - Hot solder dip. The composition shall be Sn60Pb40A, Sn63Pb37A, or Sn62Pb36AgO2C in accordance with [J-STD-006](#). The coating shall have a minimum thickness of 200 microinches as measured at the crest. Hot solder dip finish may be used over final finish types 21, 22, 32, 34, 41, 43, 45, 46, 61, 71, and 72. When specified (see [1.2.1.5](#)), electroless nickel under-plating may be used in accordance with [5.2.1.3](#).
- 52 - Hot solder dip. The composition shall be Sn60Pb40A, Sn63Pb37A, or Sn62Pb36AgO2C in accordance with [J-STD-006](#). Thickness shall be 60-200 microinches as measured at the crest. Hot solder dip finish may be used over final finish types 21, 22, 32, 34, 41, 43, 45, 46, 61, 71, and 72. When specified (see [1.2.1.5](#)), electroless nickel underplating may be used in accordance with [5.2.1.3](#).
- 61 - Nickel plating, electrodeposited, in accordance with [SAE-AMS-QQ-N-290](#). Thickness shall be 50 (1.27 μm) to 150 microinches (3.81 μm). The nickel plating shall be nonbrightened and low stress.
- 71 - Silver plating, electrodeposited, in accordance with [ASTM-B700](#), grade D, class N. Thickness shall be 150 (3.81 μm) to 350 microinches (8.89 μm).

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- 72 - Silver plating, electrodeposited, matte, nonbrightened, in accordance with [ASTM-B700](#), grade A, class N. Thickness shall be 150 (3.81 μm) to 350 microinches (8.89 μm).

5.2.1 Underplating. The underplating (see [1.2.1.5](#)) shall conform to the following requirements:

- A - Nickel electrolytic.
- 1 - 60 (1.52 μm) to 150 microinches (3.81 μm) thick.
 - 2 - 100 (2.54 μm) to 300 microinches (7.62 μm) thick.
 - 3 - 20 (0.50 μm) to 60 microinches (1.52 μm) thick.
- B - Nickel, electroless (not to be used on flexible or semirigid leads).
- 1 - 100 (2.54 μm) to 200 microinches (5.08 μm) thick.
 - 2 - 50 (1.27 μm) to 120 microinches (3.04 μm) thick.
- C - Copper, electrodeposited.
- 1 - 60 (1.52 μm) to 150 microinches (3.81 μm) thick.
 - 2 - 150 (3.81 μm) to 300 microinches (7.62 μm) thick.
 - 3 - 20 (0.50 μm) to 60 microinches (1.52 μm) thick.
- P - Palladium-nickel alloy
- 1 - 50 (1.27 μm) to 100 microinches (2.54 μm) thick.
- N - No underplating.

5.2.1.1 Gold plating. A copper plus electrodeposited nickel or electrodeposited nickel underplating is required on all leads with gold plating as the final finish in accordance with [SAE-AMS2418](#).

5.2.1.2 Compositions F, G, and K. All leads with composition F, G, or K (see [5.1](#)) shall have an underplating prior to final finish.

5.2.1.3 Hot solder dip. When specified for use under hot solder dip lead finish (see [5.2](#)), the electroless nickel underplating shall be in accordance with [SAE-AMS2404](#). The thickness shall be as designated in [5.2.1.B](#).

5.2.1.4 Compositions A, B, J, and X. All leads with compositions A, B, J, or X (see [5.1](#)) shall have a copper or nickel underplate of 100 microinches (2.54 μm) minimum.

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6. NOTES

(This section contains information of a general or explanatory nature which may be helpful, but is not mandatory.)

6.1 Intended use. Documents conforming to the requirements of this standard are intended for use of identifying, specifying, and limiting to a minimum the combinations of basic materials, the thickness and composition of the plating used therewith, and the sizes of wire and flat wire (ribbon) leads on electronic and electrical parts when they are to be soldered or welded during assembly in equipment.

6.2 Precaution. Substitution of any type of lead for the existing leads on electronic component parts should not be made in a parts specification without first determining the effect of this substitution on the performance and solderability characteristics of the component part.

6.3 Removal of gold plating before soldering. Prior to equipment assembly, gold plated leads will have the gold removed before soldering by single or double dipping into a flowing or nonflowing hot solder of sufficient volume to assure complete gold removal.

6.4 Passive nickel. If there is a delay after the application of nickel strike, where the nickel surface may have become passive, the nickel will be reactivated followed by gold plating. Reactivation of the nickel surface should be in accordance with the appropriate section of the latest ASTM standards. (Reference: [ASTM-B322](#), "Standard Practice for Cleaning Metals Prior to Electroplating"; and [ASTM-B343](#), "Standard Practice for Preparation of Nickel for Electroplating with Nickel".)

6.5 Cross reference. A cross reference of discontinued and superseding lead types appears in [table IV](#). Where MIL-STD-1276B designations are specified, the cross referenced MIL-STD-1276C designations may be used.

TABLE IV. Cross reference of lead types.

Superseding type			Discontinued type
MIL-STD-1276C			MIL-STD-1276B
Composition	Final finish	Underplating	
C	3	---	C (tin plated)
C	4	---	C (tin-lead plated)
D	2a	A1	D
F	2a	A1	F
K	2a	A1	K
N	1	---	N-1
N	2a	---	N-2
N	3	---	N-3 (tin plated)
N	4	---	N-4 (tin-lead plated)

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TABLE IV. Cross reference of lead types - Continued.

Superseding type	Discontinued type
MIL-STD-1276D	MIL-STD-1276C
Composition	Composition
A	Not available
B	Not available
C	C
D	D
E	Not available
F	F
G	G
H	Not available
J	Not available
K	K
L	C ₁
M	Not available
N	N
W	W
X	X
Underplating (same as revision C with the addition of C and P)	
Final finish	Final finish
01	1
21	2a
22	2b
31	3
32	4
33	Not available
34	Not available
51	5a
52	5b
61	6
71	7
72	Not available

6.6 Cleanliness. The last step in any component manufacturing process should be cleaning to remove residues such as fluxes.

6.7 Supersession data. Final finishes 31, 33, 35, and 36 are deleted, effective with revision E of this standard. These pure tin finishes may cause "tin whiskers" growth leading to shorts and intermittents, especially in low power (5 mA and below) applications. For additional information on this matter, refer to [ASTM B545](#) ("Standard Specification for Electrodeposited Coating of Tin.") Replacement finish codes are 41, 43, 45, and 46 respectively, as described in [1.2.1.4](#), [5.2](#), and [table V](#).

TABLE V. Supersession data for final finishes.

Superseded (old) finish code (MIL-STD-1276D)	Superseding (new) finish code (MIL-STD-1276E)
31	41
33	43
35	45
36	46

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6.8 Subject term (key word) listing.

Final finish
Plating
Terminals
Underplating

6.9 Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodian activities:

Army - CR
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5999-2018-003)

Review activities:

Navy - AS, CG, MC, SH
Air Force - 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil/>.