



DEFENSE LOGISTICS AGENCY  
LAND AND MARITIME  
P.O. BOX 3990  
COLUMBUS, OHIO 43218-3990

September 11, 2013

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Draft of Commercial Item Description (CID) drawings A-A-55408 Rev A, A-A-55416 Rev B, A-A-55696 Rev A, A-A-55697 Rev A, A-A-59698 Rev B, A-A-59699 Rev B, A-A-59700 Rev B, A-A-59737 Rev A, A-A-59738 Rev A, A-A-59739 Rev A, A-A-59740 Rev A, A-A-59741 Rev A, A-A-59742 Rev A and A-A-59744 Rev A. Project numbers 5950-2013-009 through -022.

The initial draft for this subject document, dated 11 September 2013, are now available for viewing and downloading from the DLA Land and Maritime-VA Web site:

<http://www.landandmaritime.dla.mil/Programs/MilSpec/DocSearch.aspx>

Changes to this document include: the addition of pure tin prohibition requirement paragraphs and update the CID to current layout requirements. A Certificate of Compliance (CoC) is included with this initial draft. For continued listing as an approved source of supply on this drawing, the certificate of compliance must be filled out and sent back to Mr. Ken Beymer.

Concurrence or comments are required at this Center within 45 days from the date of this letter. Late comments will be held for the next coordination of the document. Any further coordination concerning these documents will be circulated only to firms and organizations that furnish comments or reply that they have an interest. Comments from military departments must be identified as either "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians of this office, as applicable, in sufficient time to allow for consolidating the department reply.

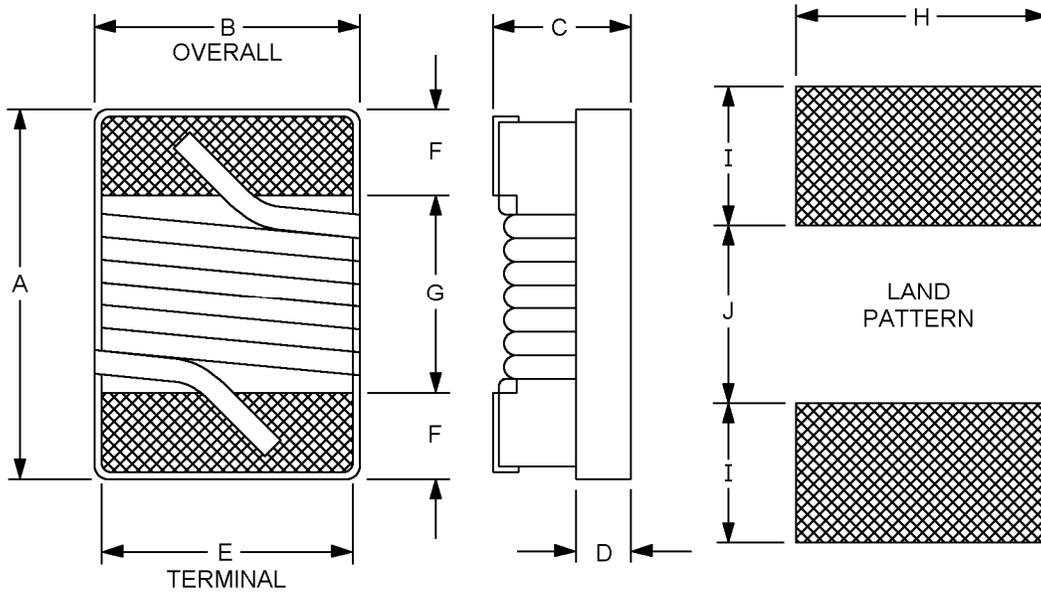
The point of contact for this document is Mr. Ken Beymer, DLA Land and Maritime, VAT, Post Office Box 3990, Columbus, OH 43218-3990. Mr. Beymer can also be reached at 614-692-0557/850-0557, or by facsimile 614-692-6939/850-6939, or by e-mail to: [ken.beymer@dla.mil](mailto:ken.beymer@dla.mil)

/ SIGNED /

MICHAEL A. RADECKI  
Chief  
Electronic Components Branch



3.10 Workmanship. Coils shall be processed in such a manner as to be uniform in quality and shall be free from other defects that will affect life, serviceability, or appearance.



Dimension	INCHES	MM
A Max.	.071	1.80
B Max.	.044	1.12
C Max.	.040	1.02
D Ref.	.015	0.38
E	.030	0.76
F	.013	0.33
G	.034	0.86
H	.040	1.02
I	.025	0.64
J	.025	0.64

NOTES:

1. Dimensions are in Inches.
2. Metric equivalents are listed for general information only.

FIGURE 1. Configuration and dimensions.

TABLE I. Electrical characteristics.

CID dash number AA59408-	Inductance(nH)	Tolerance (±%)	Q Min	900 MHz		1.7 GHz		SRF Min (MHz)	DCR Max (OHMS)	1/ I <sub>DC</sub> MAX (mA)
				L Typ	Q Typ	L Typ	Q Typ			
001	1.6 @ 250 MHz	5	24	1.67	49	1.65	63	12,500	0.030	2.4
002	3.6 @ 250 MHz	5	24	3.65	70	3.75	90	5900	0.048	2.3
003	3.9 @ 250 MHz	5	25	3.74	70	3.90	90	5900	0.054	2.2
004	6.8 @ 250 MHz	5	35	6.72	70	7.10	75	5800	0.054	2.1
005	7.5 @ 250 MHz	5	38	7.33	70	7.90	68	3700	0.059	2.1
006	10 @ 250 MHz	5, 2	38	9.70	73	10.5	57	3700	0.071	2.0
007	12 @ 250 MHz	5, 2	38	12.3	68	14.5	41	3000	0.075	2.0
008	15 @ 250 MHz	5, 2	38	15.5	65	17.6	40	2800	0.080	1.9
009	18 @ 250 MHz	5, 2	40	19.5	62	25.0	40	2800	0.099	1.9
010	22 @ 250 MHz	5, 2	42	24.0	61	31.5	26	2400	0.099	1.8
011	24 @ 250 MHz	5, 2	42	25.8	55	35.0	21	2400	0.105	1.8

1/ DC current rating for a 20°C rise.

TABLE II. Inductance tolerances

Code	Tolerance (percentage)
G	±2
J	±5

\*

TABLE III. Termination finish.

Code	Termination finish
Leave blank	Tin-lead
L	RoHS compliant, silver-palladium-glass-frit
T	RoHS, tin-silver-copper (95.5/4/0.5)

4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. PRODUCT CONFORMANCE PROVISIONS

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market acceptance. The following market acceptance criteria are necessary to document the quality of the product to be provided under this CID:

- a. The company producing the item must have been producing a product meeting the requirements of this CID for at least 2 years.
- b. The company must have sold 1,000 units meeting this CID in the commercial marketplace over the past 2 years.

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

\* 7.2 Environmentally preferable material. Environmentally preferable materials should be used to the maximum extent possible to meet the requirements of this specification. As of the dating of this document, the U.S. Environmentally Protection Agency (EPA) is focusing efforts on reducing 31 priority chemicals. The list of chemicals is available on their website at <http://www.epa.gov/epaoswer/hazwaste/minimize/chemlist.htm>. Further information is available at the following EPA site: <http://www.epa.gov/epaoswer/hazwaste/minimize/>. Included in the EPA list of 31 priority chemicals are cadmium, lead, and mercury. Use of the materials on the list should be minimized or eliminated unless needed to meet the requirements specified herein (see Section 3).

7.3 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these inductors to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

\* 7.4 Source of documents.

FEDERAL REGULATIONS

FAR - Federal Acquisition Regulations (FAR)

(Copies of these documents are available online at [www.acquisition.gov/comp/far/index.html](http://www.acquisition.gov/comp/far/index.html) or from the U.S. Government Printing Office, 732 North Capital Street, NW, Washington D.C. 20401.)

\* 7.5 Tin whisker growth. The use of alloys with tin content greater than 97 percent, by mass, may exhibit tin whisker growth problems after manufacture. Tin whiskers may occur anytime from a day to years after manufacture and can develop under typical operating conditions, on products that use such materials. Conformal coatings applied over top of a whisker-prone surface will not prevent the formation of tin whiskers. Alloys of 3 percent lead, by mass, have shown to inhibit the growth of tin whiskers. For additional information on this matter, refer to ASTM-B545 (Standard Specification for Electrodeposited Coatings of Tin)

7.6 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.

7.7 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
02113	Coilcraft Inc 1102 Silver Lake Road Cary, Illinois 60013-1658 Phone number (847) 639-2361 Uniform Resource Locator (URL): <a href="http://www.coilcraft.com">www.coilcraft.com</a>

7.8 Part number (P/N) supersession data. This CID supersedes the following manufacturers' P/N's as shown. This information is being provided to assist in reducing proliferation in the government inventory system.

TABLE III. P/N supersession data. 1/

CID dash number (see table I) AA59408-	Vendor commercial PIN <u>2/</u> CAGE 02113
001**	0603HC-1N6X***
002**	0603HC-3N6X***
003**	0603HC-3N9X***
004**	0603HC-6N8X***
005**	0603HC-7N5X***
006**	0603HC-10NX***
007**	0603HC-12NX***
008**	0603HC-15NX***
009**	0603HC-18NX***
010**	0603HC-22NX***
011**	0603HC-24NX***

- 1/ When "\*" is used for coded values, it's the contractors responsibility to select those options allowed by the CID.
- 2/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID P/N shown.

7.9 Government users. To acquire information on obtaining these coils from the Government inventory system, contact DLA Land and Maritime, ATTN: DSCC-FMTC, Post Office Box 3990, Columbus, OH 43218-3990, or telephone (614) 692-7727.

7.10 Changes from previous issue. The margins of this CID are marked with asterisks 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.

MILITARY INTERESTS:

Custodians:  
Navy - EC  
DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA - CC

Project 5950-2013-009

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> .

**CERTIFICATE OF COMPLIANCE**

**DLA Land and Maritime DRAWING**

DLA Land and Maritime DRAWING NUMBER A-A-55408 Rev A

PROJECT NUMBER 5950-2103-009

DLA Land and Maritime CONTACT Ken Beymer PH 614-692-0557 FAX 614-692-6939

MANUFACTURER'S NAME AND LOCATION: \_\_\_\_\_

CAGE \_\_\_\_\_

\_\_\_\_\_

I (We) have reviewed the enclosed drawing and hereby certify that our product, currently designated as shown below and assembled at our plant location in: \_\_\_\_\_

(write "same" if applicable) \_\_\_\_\_

**meets or exceeds the performance requirements of this drawing either:**

as proposed.

with essential comments as marked on draft.

no interest in this drawing.

Part or Identifying Number (PIN)

Vendor similar designation or type number

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I (We) understand that this certificate is not to be used nor construed as a guarantee of continued or indefinite availability for the described drawing item. However, under present circumstances, we would expect to supply a separate certificate of compliance in company format pertaining to lot date code shipped on the order. On the basis of the certification checked above, please list us as a source of supply on this drawing.

AUTHORIZED SIGNATURE(S) \_\_\_\_\_ TITLE \_\_\_\_\_

DATE \_\_\_\_\_ PH \_\_\_\_\_ FAX \_\_\_\_\_