

INCH-POUND

MIL-DTL-3661/64D

28 February 2025

SUPERSEDING

MIL-L-3661/64C

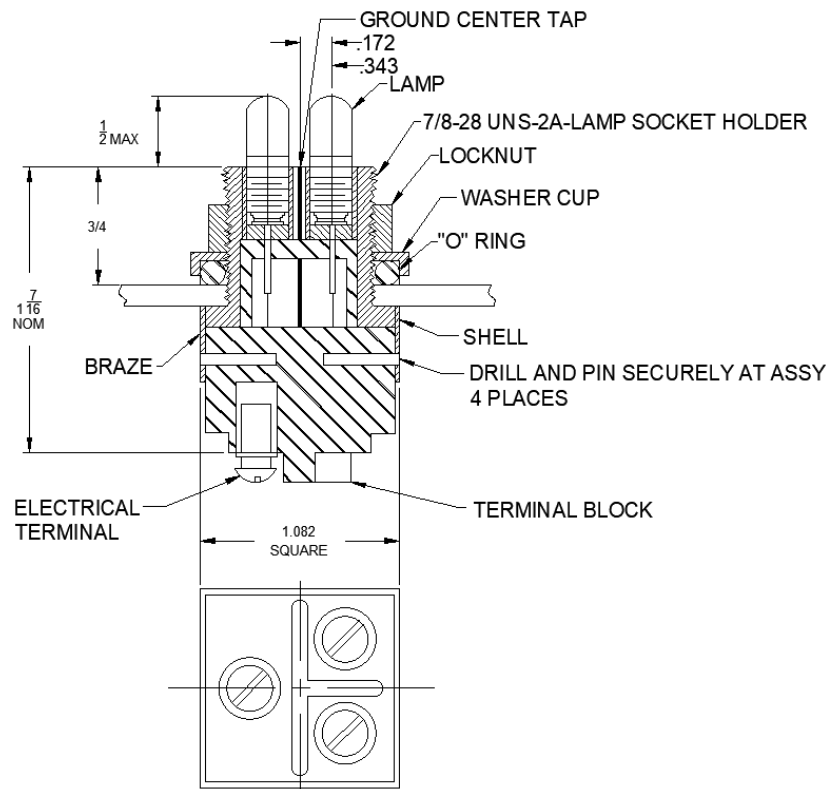
25 October 1978

DETAIL SPECIFICATION SHEET

LAMPHOLDER, LIGHTS, INDICATOR (HOUSING), STYLE LH97

This specification is approved for use by all
Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-3661.



Inches	mm	Inches	mm
0.172	4.37	7/8	22.23
0.343	8.71	1.082	27.48
1/2	12.70	1-7/16	36.51
3/4	19.05		

FIGURE 1. Style LH97 housings.

AMSC N/A

DISTRIBUTION STATEMENT A: Approved for public release; Distribution is unlimited

FSC 6210



NOTES:

1. Dimensions are in inches. Unless otherwise specified, tolerances are plus or minus 1/64 inch (0.38 mm) for fractions and plus or minus 0.015 inch (0.38 mm) for decimals.
2. Metric equivalents (to the nearest 0.01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.

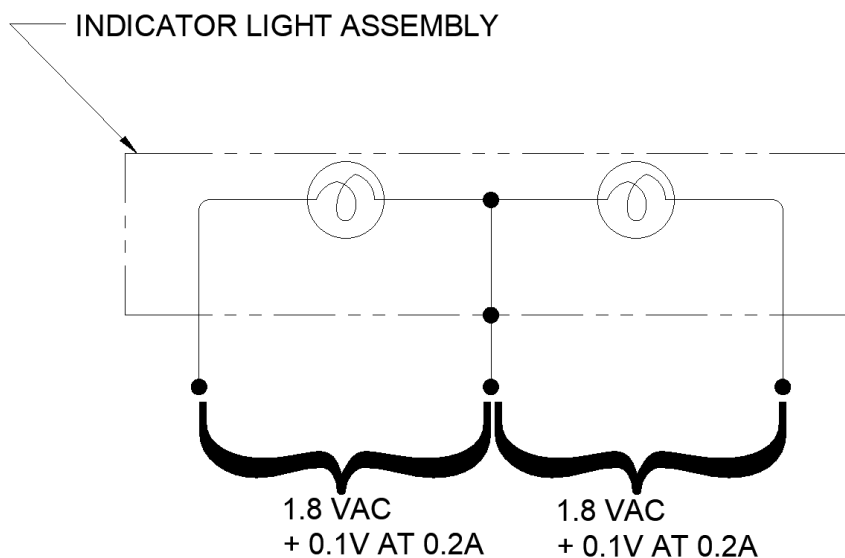
FIGURE 2. Wiring diagram.

TABLE I. Style LH97 housings.

Type designation ¹	Voltage (V)	Lamp accommodation ²	Transformer ³
LH97	2.5	1769 ⁴	MIL-DTL-3661/60

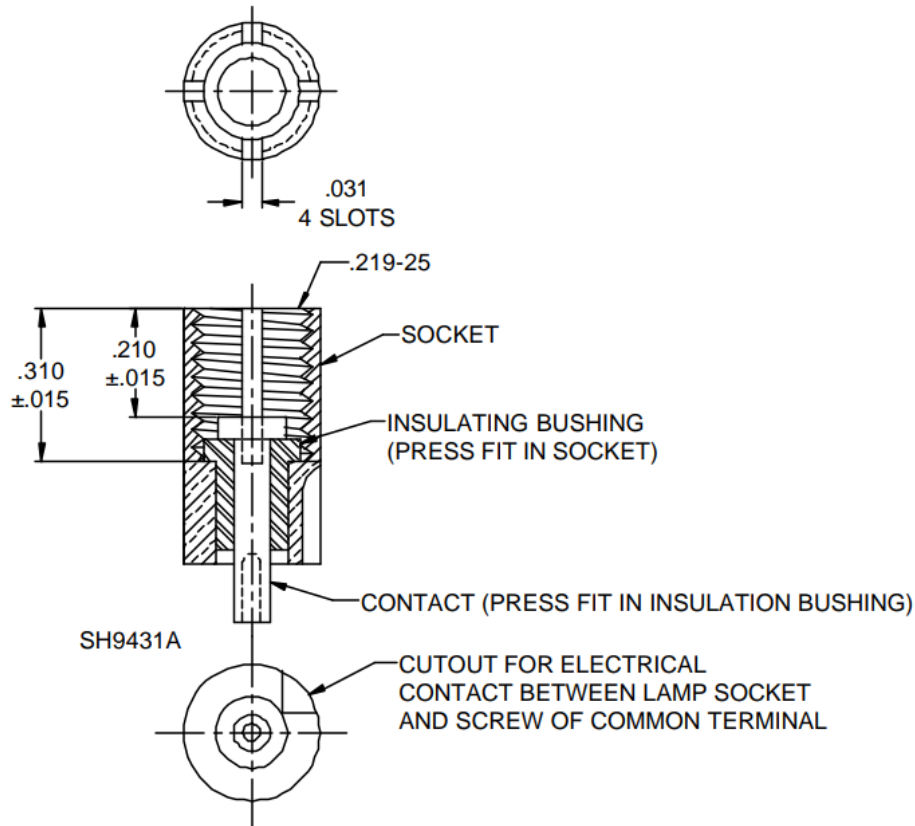
¹The LH97 indicator light housing shall mate with any of the lenses shown on MIL-DTL-3661/52 through MIL-DTL-3661/59. The lens is furnished only when specified in the contract or order.

²Lamps are not furnished (shown herein for information purposes)

³Transformer is not furnished. It is shown herein for information purposes. Transformer may be mounted remotely from the indicator light in applications where space is a problem. The transformer is not required in 2.5 volts alternating current (Vac) systems.

⁴Industry number.

Supersession data: This specification sheet replaces type B27C of Drawing 9000-S6202-73907.



Inches	mm
0.031	0.79
0.210	5.33
0.219	5.56
0.310	7.87

FIGURE 5. Midget screw lamp socket.**REQUIREMENTS:**

1. Qualification: Not required.
2. Material:
 - a. Terminal block: Type MME and KAI-60 of ASTM D5948.
 - b. Shell, locknut, washer cup, lampsocket holder, socket, contact, electrical terminal: Brass.
3. Finish: Exposed metal parts shall be black nickel.
4. Design and construction: See figures 1 and 2.
5. Internal wiring: Shall be insulated to prevent the possibility of shorting.
6. Lamp sockets: Shall be as shown on figure 3.
7. Locknut: Hexagonal, with rounded corners, 1-1/16 inches (26.99 mm) outside diameter (O.D.), 1 inch (25.40 mm) across flats, 7/8 UNS-2B thread, 1/8 inch (3.18 mm) thick.

8. Washer cup: 1-5/16 inches (33.45 mm) O.D., 57/64 inch (22.62 mm) I.D., 1/8 inch (3.18 mm) high, 0.051 inch (1.30 mm) thick.
9. "O" ring: size shall be SAE-AS28775-212.
10. Electrical terminals: Electrical terminals shall be provided by using No. 6-32, round-head corrosion resistant steel or brass machine screws, 1/4 inch (6.35 mm) long and inserts securely attached to the terminal block. Molded separations, at least 1/8 inch (3.18 mm) high and 3/32 inch (2.38 mm) wide, shall be provided between the terminals to prevent shortouts when electrical connections are made using terminal lugs.
11. Dielectric withstanding voltage: At sea level shall be 1000 Vac.
12. Shock: Method II.

QUALITY ASSURANCE PROVISIONS

First article inspection: First article inspection of style LH97 housings shall consist of the following:

- a. Visual and dimensional examination.
- b. Shock.
- c. Vibration.
- d. Moisture resistance.
- e. Dielectric withstanding voltage.

Conformance inspection: Conformance inspection of style LH97 housings shall consist of the following:

- a. Visual and dimensional examination.
- b. Dielectric withstanding voltage.

Sampling for conformance inspection. A random sample of housings shall be selected from each lot in accordance with MIL-STD-1916, verification level I. Any housing in the sample containing one or more defects or failing to conform to the dielectric withstanding voltage test shall be rejected. If the number of nonconforming housings in any sample exceed the acceptance number for that sample, the lot represented by the sample shall be rejected.

Intended use: Indicator lights are intended for use in conjunction with 60 or 400 Hz alternating current, systems. This indicator light shall not be used for direct current applications.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

CONCLUDING MATERIAL

Custodians:

Navy – SH

DLA – GS2

Preparing Activity:

DLA – CC

(Project 6210-2025-007)

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>.