

INCH-POUND
MIL-DTL-3661/62D
28 February 2025
SUPERSEDING
MIL-L-3661/62C
25 October 1978

DETAIL SPECIFICATION SHEET

LAMPHOLDER, LIGHTS, INDICATOR (HOUSING), STYLE LH95 (FOR D.C. APPLICATIONS)

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.

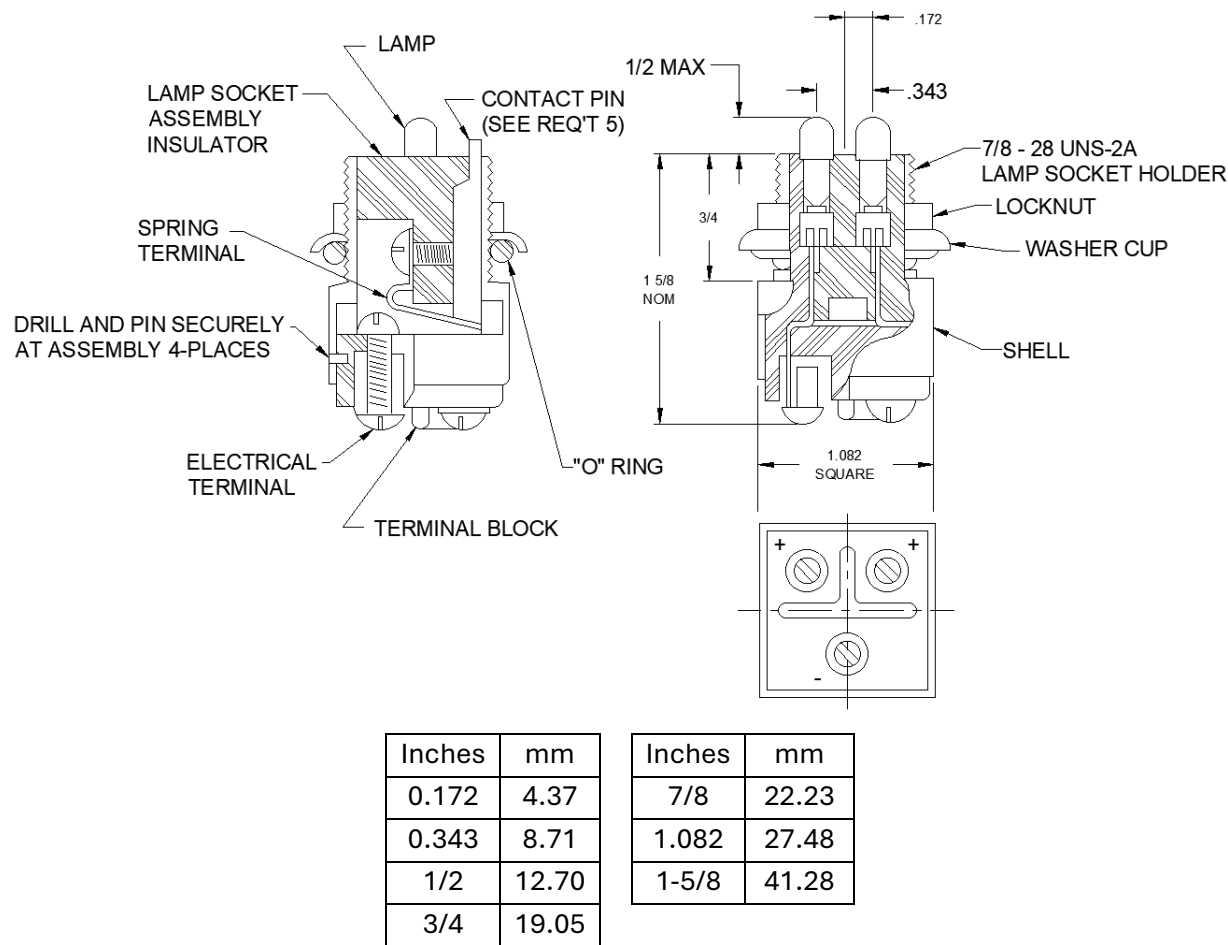
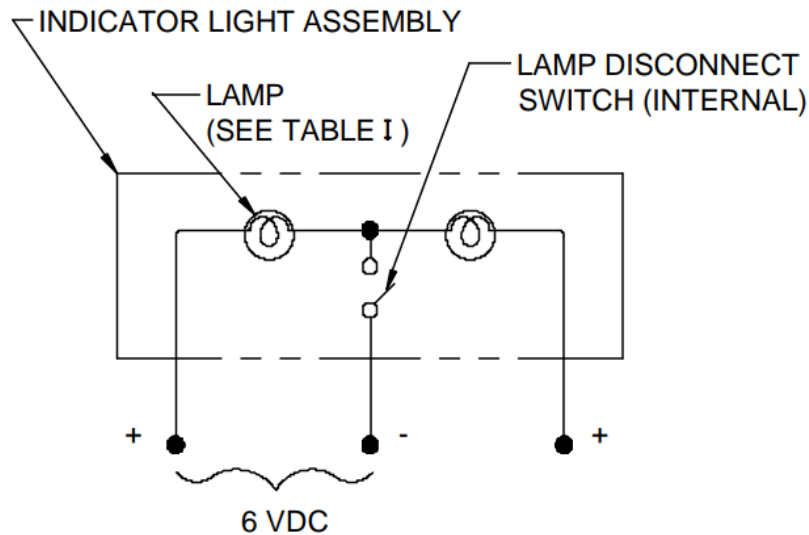
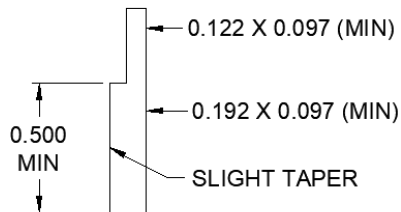


FIGURE 1. Style LH95 housings.

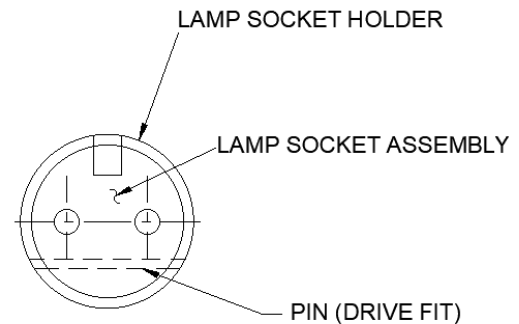


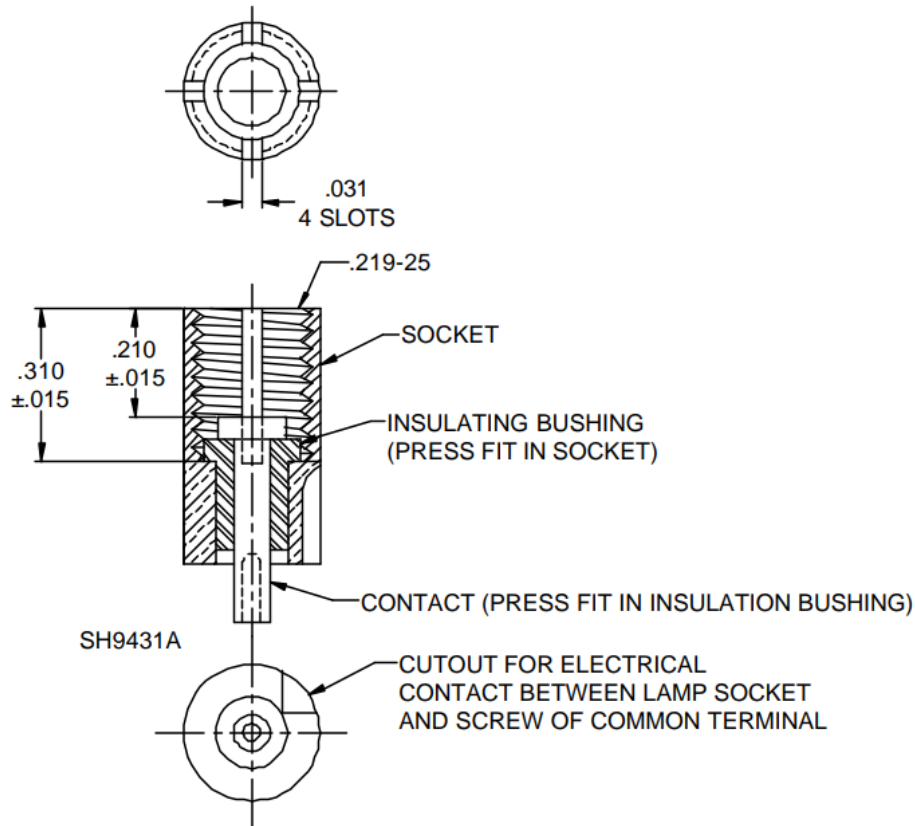
NOTES:

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

Inches	mm	Inches	mm
0.097	2.46	0.192	4.88
0.122	3.10	0.500	12.70

FIGURE 3. Contact pin.FIGURE 4. Security pin.



Inches	mm
0.031	0.79
0.210	5.33
0.219	5.56
0.310	7.87

FIGURE 5. Midget screw lamp socket.

TABLE I. Style LH95 housings.

Type designation ^{1,2}	D.C. voltage (V)	Lamp accommodation ²
LH95	6	342 ³

¹The style LH95 indicator light housing shall mate with any of the lenses shown on MIL-DTL-3661/52 through MIL-DTL-3661/59.

²Mating lenses and lamps are not furnished. They are furnished by the installing activity.

³Industry number.

Supersession data: This specification sheet replaces type B39-A of Drawing 9000-S6202-74307.

REQUIREMENTS:

1. Qualification: Not required.
2. Material shall be as follows:
 - a. Terminal block, contact pin, insulators: Type MME and MAI-60 of ASTM D5948.
 - b. Shell, locknut, washer cup, lamp socket holder, socket, contact and electrical terminal: Brass.
 - c. "O" ring: rubber.
 - d. Spring terminal: Beryllium copper.
3. Finish: Exposed metal parts shall be black nickel.
4. Design and construction: See figures 1 and 2.
5. Contact pin: The contact pin shall make contact with the internal terminals of the assembly and close the lamp circuit when the pin's projection is not less than 1/16 inch (1.59 mm) above the face of the socket shell. The pin design shall be such that the continuous internal terminal contact shall be provided when the pin is depressed from this distance to flush with the face of the shell (see figure 3). (Contact shall be freely operative by indicator lens to make or break the electrical circuit.) The contact pin may be two-piece construction in lieu of one-piece. If this is done, the upper portion shall be brass. 0.6 inch (15.24 mm) long and the lower portion shall be plastic.
6. Security pin: A security pin shall be furnished to prohibit movement of the lamp socket assembly in the lamp socket holder (See figure 4).
7. Internal wiring: Shall be insulated to prevent the possibility of shorting.
8. Lamp sockets: Shall be as shown in figure 5.
9. Locknut: Hexagonal with rounded corners 1-1/16 inch (26.99 mm) outside diameter (OD), 1 inch (25.4 mm) across flats, 7/8 inch (22.62 mm) UNS-2B thread 3/16 inch (4.76 mm) thick.
10. Washer cup: 1-5/16 inch (33.45 mm) OD, 57/64 (22.62 mm) inside diameter (ID), 1/8 inch (3.18 mm) high and 0.051 inch (1.30 mm) thick.
11. "O" ring: Size shall conform to SAE-AS28775-212.
12. Electrical terminals: Electrical terminals shall be provided by using No. 6-32 corrosion resistant steel, or brass round head 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.
13. Dielectric withstanding voltage: At sea level shall be 1,000 volts alternating current.
14. Shock: Method II.

QUALITY ASSURANCE PROVISIONS

First article inspection: First article inspection of style LH95 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 LH95 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 on switch boards in conjunction with direct current systems.

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 6210-2025-005)

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>.