



DEFENSE LOGISTICS AGENCY
DLA LAND AND MARITIME
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MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

17 March 2022

SUBJECT: Initial Drafts of MIL-PRF-22885/18M, /82D, /85E, /87D, and /88D.
Project Numbers: 5930-2022-038 through -042.

The subject documents are now available for viewing and downloading from the DLA Land and Maritime - VA website:

<https://landandmaritimeapps.dla.mil/programs/milspec/initialdrafts.aspx>

The following is a synopsis of the changes:

Updated to current MIL-STD-961 and Land and Maritime SOP requirements.
Reference documents updated.

Concurrence or comments are required at this Center no later than 17 April 2022. If comments are not received during the allotted coordination period, concurrence may be assumed. Late comments may be held for the next specification action. 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 project is Mr. Mark Rush, DLA Land and Maritime - VAT, Post Office Box 3990, Columbus, OH 43218-3990. The preferred method of contact is via email. Mark can be reached at mark.rush@dla.mil or 614-692-0550/DSN 850-0550.

MICHAEL A. RADECKI
Chief
Electronic Components Branch

NOTE: This draft, dated March 16, 2022 prepared by DLA-CC,
has not been approved and is subject to modification.
DO NOT USE PRIOR TO APPROVAL.
(Project 5930-2022-040)

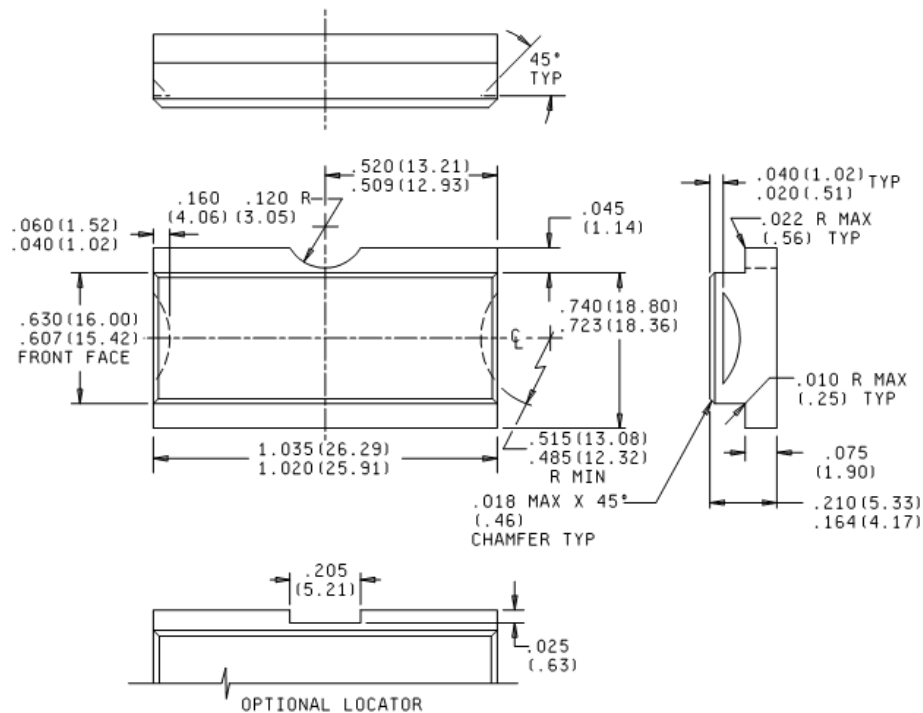
INCH-POUND
MIL-PRF-22885/85E
DRAFT
SUPERSEDING
MIL-PRF-22885/85D
1 March 2001

PERFORMANCE SPECIFICATION SHEET

SWITCH, PUSH BUTTON, ILLUMINATED, LENS PLATE FOR, 1.030 LONG X .730 WIDE

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

The complete requirements for acquiring the switches described herein shall consist of this specification and the latest issue of [MIL-PRF-22885](#)



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are $\pm .005$ (0.13 mm) for decimals and $\pm 2^\circ$ on angles.
4. Metric equivalents are in parentheses.

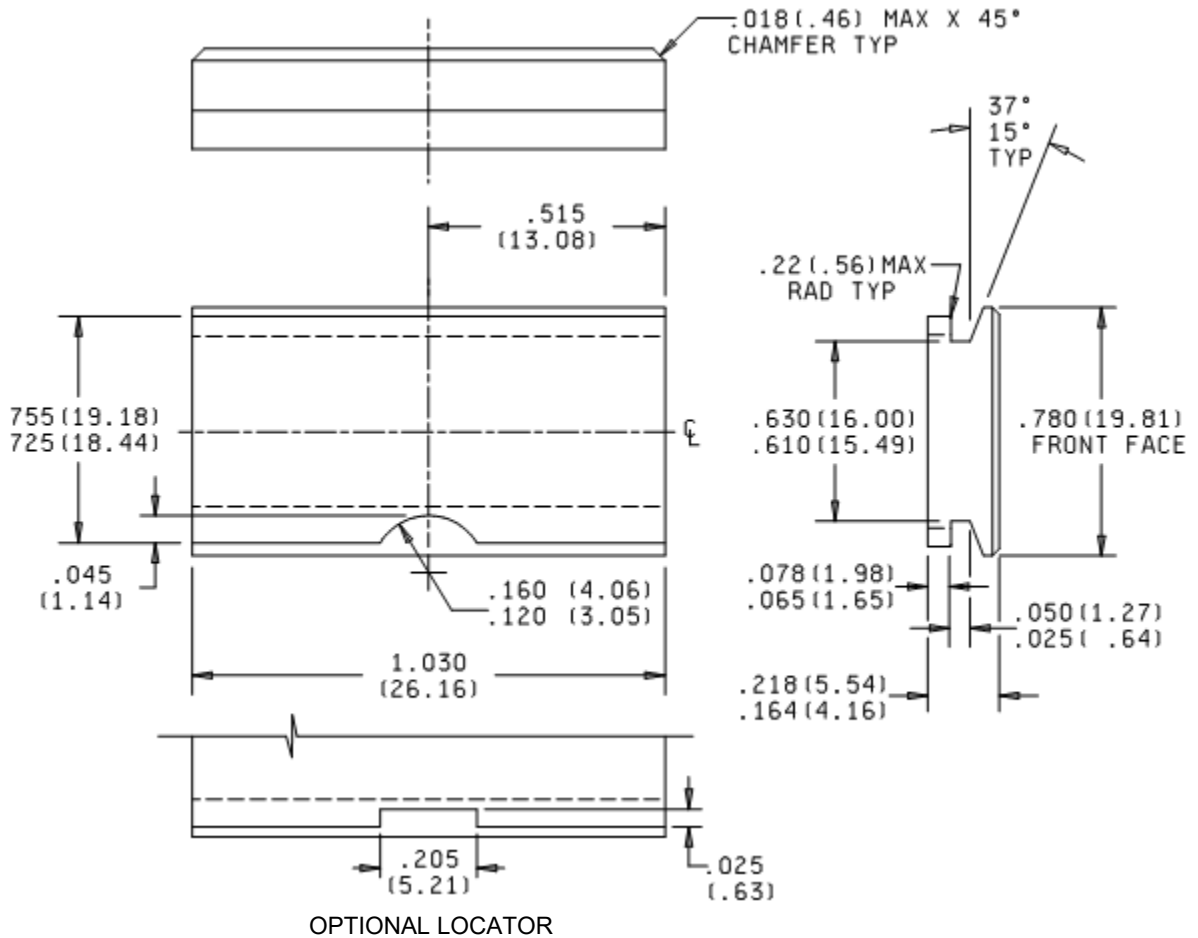
FIGURE 1. Transparent front lens plate, narrow face, M22885/85-01.

AMSC N/A

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FSC 5930

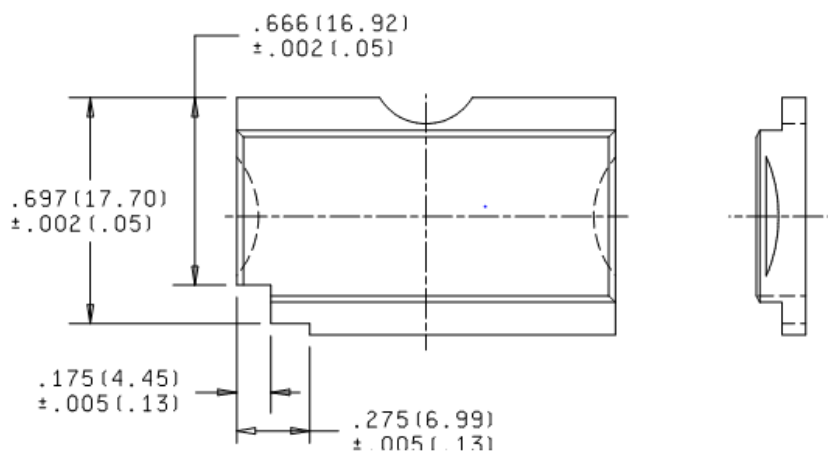




NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± 0.005 (.013 mm) for decimals and $\pm 2^\circ$ on angles.
4. Metric equivalents are in parentheses.

FIGURE 2. Transparent front lens plate, extended face, M22885/85-02.



NOTES:

1. Dimensions are in inches.
2. Dimensions and configuration are identical to that of figure 1 except for cut-out as shown.
3. Metric equivalents are given for general information only.
4. Metric equivalents are in parentheses.

FIGURE 3. Transparent front lens plate, narrow face with cut-out. M22885/85-03.

REQUIREMENTS:

Dimensions and configuration: See figures 1, 2, and 3.

Material: High temperature heat resistant, thermoplastic. When thermal shock test is performed in accordance with [MIL-PRF-22885](#), the maximum temperature shall be 71°C (+55°C with lamps energized).

Intended use: As font lens plate to be used in conjunction with a translucent white diffuser on switch/indicators specified in table I.

Lens transmittance: Lens plate shall be transparent. When assembled to the switch or indicator, a translucent white background is provided by the diffuser. When illuminated, the background shall appear in a color determined by the color of the lamp filters ([MIL-PRF-22885/12](#)). The lens style, as shown in table I of [MIL-PRF-22885/10](#), is provided by the diffuser.

Qualification: Required as part of the 4-lamp illuminated pushbutton switch, [MIL-PRF-22885/9](#) or [MIL-PRF-22885/87](#).

TABLE I. Part numbers.

Part number	Description	Switch/indicator ^{1/}
M22885/85-01	Narrow face	MIL-PRF-22885/9, 10
M22885/85-02	Extended face	MIL-PRF-22885/9, 10
M22885/85-03	Narrow face with cut-out	MIL-PRF-22885/87

^{1/} Lens plate will be accommodated by the switch/indicators listed.

The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. 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.

Referenced Documents:

MIL-PRF-22885
MIL-PRF-22885/9
MIL-PRF-22885/10
MIL-PRF-22885/12
MIL-PRF-22885/87

Custodians:

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

Preparing activity:
DLA - CC

(Project 5930-2022-040)

Review activities:

Army - AR, AV, MI
Navy - AS, MC, OS, SH
Air Force - 19

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/>.