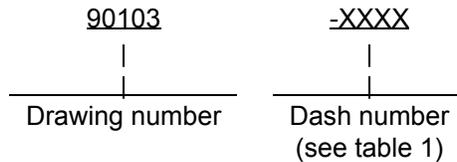


1. SCOPE

1.1 Scope. This drawing describes the requirements for illuminated push button switches and indicator lights, with legends, supplied to the requirements of MIL-PRF-22885 and MIL-PRF-22885/87 with the alterations specified herein.

1.2 Part or Identifying Number (PIN). The complete PIN shall be as shown in the following example:



2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications and standards. The following specifications and standards form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

SPECIFICATIONS

DEPARTMENT OF DEFENSE

- MIL-PRF-22885 - Switches, Pushbutton, Illuminated, General Specification for.
- MIL-PRF-22885/12 - Switch, Subassembly, Color Filters (For Switch, Pushbutton, Illuminated).
- MIL-PRF-22885/13 - Switch, Subassembly, Dripproof Seal, Panel.
- MIL-PRF-22885/87 - Switch, Pushbutton, Illuminated, 4-Lamp, Solid Mount, Modular Constructed, High Impact Shock.

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Document Automation and Printing Service, Building 4D (DPM-DoDSSP), 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

2.2 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 Alterations. The military part specified in table I shall be altered as specified in 3.1.1, 3.1.2, 3.1.3, and 3.1.4 herein.

3.1.1 Legend. The front lens shall be reverse engraved with the legend as specified in table I. Unless otherwise specified on figure 1, the legend shall consist of block characters .120 inch high nominal by .020 inch nominal stroke and filled with black filler. The legend shall be centered in the legend display area.

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OHIO	SIZE A	CODE IDENT NO. 14933	DWG NO. 90103
		REV B	PAGE 2

3.1.2 Lamps. Four T-1-3/4 midget flange base incandescent lamps of the type specified in table I shall be installed in each switch.

3.1.3 Panel seal. When specified in table I, a panel seal shall be supplied, unassembled, and packaged with the switch. The panel seal shall be MIL-PRF-22885/13, part number M22885/13-02.



A001

FIGURE 1. Legends.

3.2 Marking. The marking shall be in accordance with MIL-PRF-22885 except the part number shall be in accordance with 1.2 herein. The "M22885/87-XXXXXX" military part number shall be obliterated.

TABLE I. Part numbers.

Part number	Military part number before alteration	Legend number (see figure 1)	Installed lamp type (see table II)	Seal provided
90103-0001	M22885/87-AFRRRR	A001	1	Yes

TABLE II Lamp description.

Lamp type	Design volts	Design amperes	MSCP 1/	Industry lamp number
1	14.0	.08	.30	382

1/ Luminance values specified in MIL-PRF-22885/12 for MIL-PRF-22885/87 switches are based on use of .34 MSCP lamps.

3.3 Quality assurance requirements. Items furnished under this drawing shall be from lots that have been subjected to, and passed all the applicable requirements, tests, and inspections specified in MIL-PRF-22885 and MIL-PRF-22885/87. In addition, the items shall be subjected to the conformance inspection requirements specified herein.

3.3.1 Conformance inspection. Conformance inspection shall be in accordance with 4.2 herein.

4. VERIFICATION

4.1 Sampling and inspection. Sampling and inspection procedures shall be in accordance with MIL-PRF-22885.

4.2 Conformance inspection. Conformance inspection shall consist of 100 percent inspection for the suitability of the alterations.

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OHIO	SIZE A	CODE IDENT NO. 14933	DWG NO. 90103
		REV A	PAGE 3

5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of materiel is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Departments or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

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

6.1 Definitions. Definitions as specified in MIL-PRF-22885 shall apply to this drawing.

6.2 Intended use. Switches conforming to this drawing are intended for use when military specifications do not exist and qualified military devices that will perform the required function are not available for OEM application. This drawing is intended exclusively to prevent the proliferation of unnecessary duplicate specifications, drawings, and stock catalog listings. When a military specification exists and the product covered by this drawing has been qualified for a listing on QPL-22885, this drawing will become inactive for new design. The QPL-22885 product shall be the preferred item for all applications.

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

- a. Complete PIN (see 1.2).
- b. Requirements for delivery of one copy of the conformance inspection data that parts have passed conformance inspection, with each shipment of parts by the manufacturer.
- c. Issue of DoDISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1).
- d. Requirements for packaging and packing.

6.4 Replaceability. Switches and indicator lights covered by this drawing will replace the same generic device covered by a contractor-prepared specification or drawing.

6.5 Comments. Comments on this drawing should be directed to DSCC-VAT, P.O. Box 3990, Columbus, OH 43216-5000 or by telephone (614) 692-0550.

6.7 Users of record. Coordination of this document for future revisions is coordinated only with the suggested sources of supply and the users of record of this document. Requests to be added as a recorded user of this drawing should be in writing to: DSCC-VAT, P.O. Box 3990, Columbus, OH 43216-5000 or by telephone (614) 692-0551 or DSN 850-0551.

6.8 Suggested sources of supply. Suggested sources of supply are listed herein. Additional sources will be added as they become available. For assistance in the use of this drawing, contact DSCC-VAT, P.O. Box 3990, Columbus, OH 43216-5000 or by telephone (614) 692-0551 or DSN 850-0551.

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OHIO	SIZE A	CODE IDENT NO. 14933	DWG NO. 90103
		REV A	PAGE 4

DSCC drawing	Vendor similar part number ^{1/}	Vendor CAGE	Vendor name and address
90103-		96182	Eaton Corporation/MSC Products 1640 Monrovia Avenue Costa Mesa, CA 92627

^{1/} Parts must be purchased to this DSCC PIN to assure that all performance requirements and tests are met.

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OHIO	SIZE A	CODE IDENT NO. 14933	DWG NO. 90103
		REV A	PAGE 5