

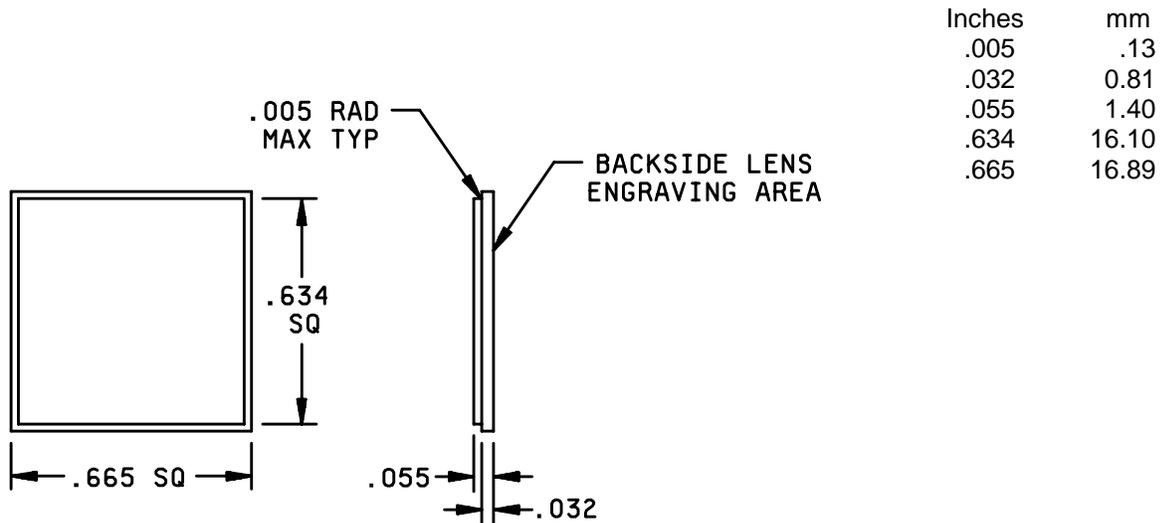
INCH POUND

MIL-PRF-22885/82C
1 March 2001
SUPERSEDING
MIL-PRF-22885/82B
5 February 1990

PERFORMANCE SPECIFICATION SHEET
SWITCH, PUSH BUTTON, ILLUMINATED,
LENS ASSEMBLIES FOR, .665 SQ AND .916 LG x .665 WIDE

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

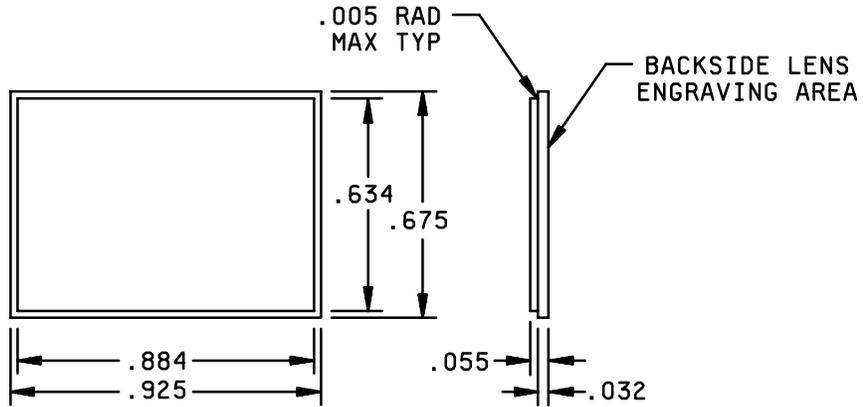
The requirements for acquiring the indicator lights described herein shall
consist of this specification sheet and MIL-PRF-22885.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ± 0.005 (0.13 mm).

FIGURE 1. Front lens plate, type 1.

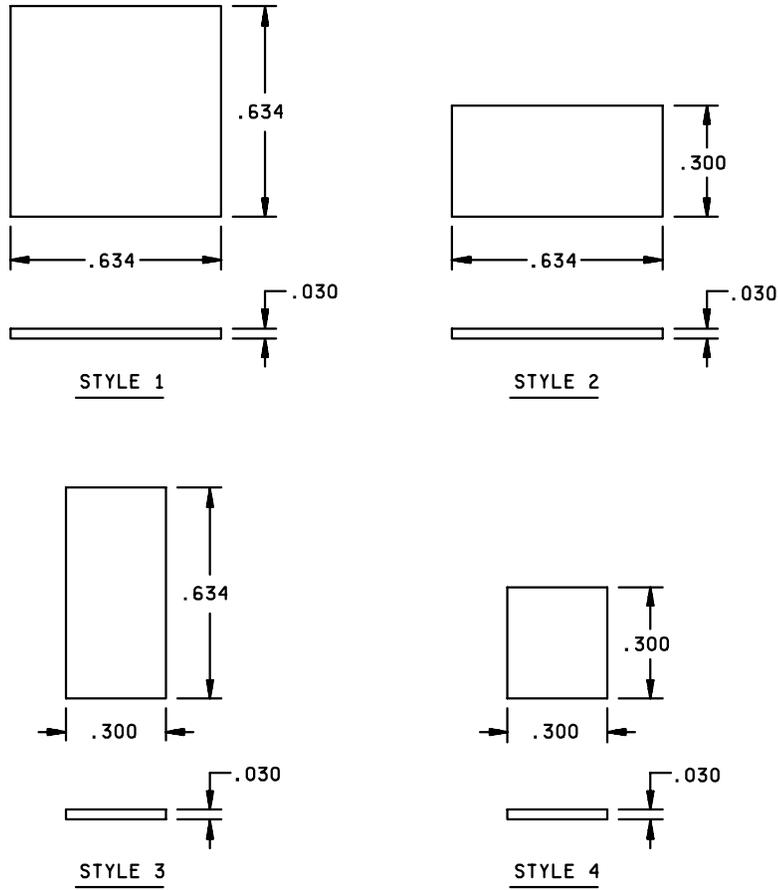


Inches	mm
.005	.13
.032	0.81
.055	1.40
.634	16.10
.675	17.15
.884	22.45
.925	23.50

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).

FIGURE 2. Front lens plate, type 2.



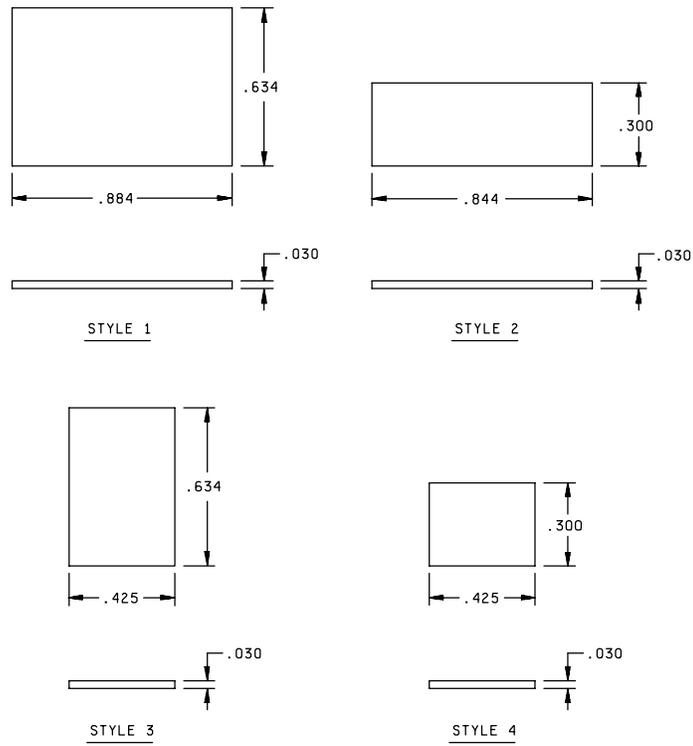
Inches	mm
.030	.76
.300	7.62
.634	16.10

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ± 0.005 (0.13 mm).
4. for clarification of style see table I.
5. For part number and color see table II.

FIGURE 3. Display screen, spacer or color filter, type 1.

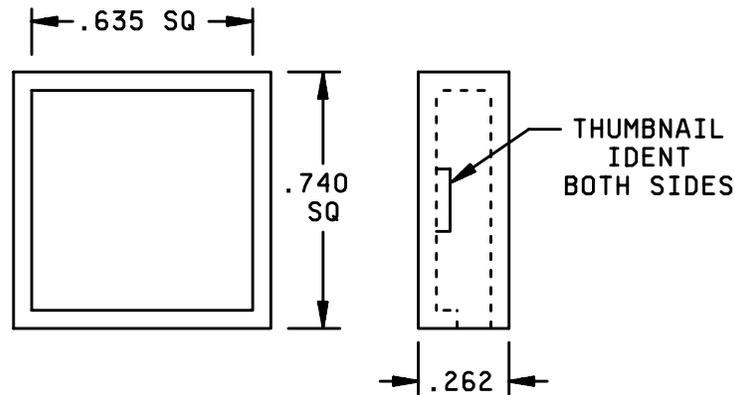
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NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ± 0.005 (0.13 mm).
4. For clarification of style see table I.
5. For part number and color see table II.

FIGURE 4. Display screen, spacer or color filter, type 2.

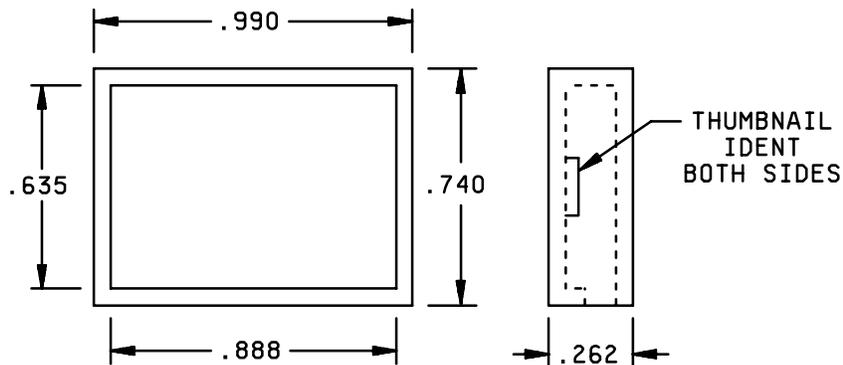


Inches	mm
.262	6.65
.635	16.13
.740	18.80

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .010$ (0.25 mm).
4. The design configuration is optional within the envelope dimensions known.

FIGURE 5. Lens retainer (type 1 unit).



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .010$ (0.25 mm).
4. The design configuration is optional within the envelope dimensions known.

FIGURE 6. Lens retainer (type 2 unit).

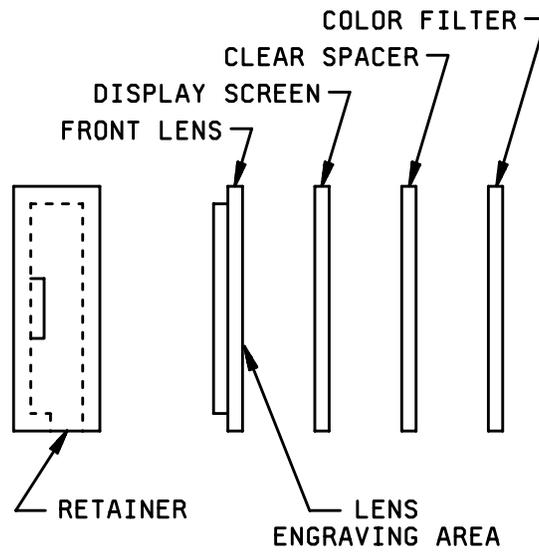


FIGURE 7. Assembly diagram.

TABLE I LENS CONFIGURATION

CODE	DISPLAY AND STYLE NUMBER ARRANGEMENT (LENS ASSY PER FIGURE 7)	
A	FULL	1
B	HORIZONTAL SPLIT	2 2
C	VERTICAL SPLIT	3 3
D	3-WAY SPLIT	4 4 2
E	3-WAY SPLIT	2 4 4
F	4-WAY SPLIT	4 4 4 4

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REQUIREMENTS:

Intended use: As lens for 4-lamp illuminated push switches, MIL-PRF-22885/80 and MIL-PRF-22885/74.

Dimensions and configuration: See figures 1 through 7 and tables.

Lens assemblies:

Code A consists of:

- 1 - Retainer
- 1 - Front lens plate
- 1 - Display screen
- 1 - Spacer
- 1 - Color filter

Codes B and C consist of:

- 1 - Retainer
- 1 - Display screens
- 1 - Spacers
- 1 - Color filters

Codes D and E consist of:

- 1 - Retainer
- 1 - Front lens plate
- 1 - Display screens
- 1 - Spacers
- 1 - Color filters

Code F consists of:

- 1 - Retainer
- 1 - Front lens plate
- 1 - Display screens
- 1 - Spacers
- 1 - Color filters

Characteristics: Lens shall appear white in the unlighted condition. In the lighted condition it shall appear in a color determined by the color filter.

Front lens material: High temperature heat resistance thermoplastic. when thermal shock test is performed in accordance with MIL-PRF-22885, the maximum temperature (nonoperating) shall be 71°C.

Display screen and color filter material: Shall be selected to enable the switch to meet the performance requirements of this document.

Spacer material: Shall be selected to enable the switch to meet the performance requirements of this document.

Color: Color filters shall be in accordance with MIL-PRF-22885.

Qualification inspection: Required as part of the 4-lamp illuminated push switch, M22885/80 or M22885/74.

Part number: M22885/82-(dash number from table II).

TABLE II. Dash numbers.

Type 1				
Dash number	Lens code (see table I)	Style number (see table I)	Color	Description
-01	All	---	Clear	Front lens plate
-02	A	1	White	Display screen
-03	B, C, D, or E	2 or 3	White	Display screen
-04	A	1	Clear	Spacer
-05	B, C, D, or E	2 or 3	Clear	Spacer
-06	A	1	Blue	Color filter
-07	A	1	Green	Color filter
-08	A	1	Red	Color filter
-09	A	1	White	Color filter
-10	A	1	Yellow	Color filter
-11 ^{1/}	A	1	Violet	Color filter
-12	B, C, D, or E	2 or 3	Blue	Color filter
-13	B, C, D, or E	2 or 3	Green	Color filter
-14	B, C, D, or E	2 or 3	Red	Color filter
-15	B, C, D, or E	2 or 3	White	Color filter
-16	B, C, D, or E	2 or 3	Yellow	Color filter
-17	B, C, D, or E	2 or 3	Violet	Color filter
-43	D, E, or F	4	White	Display screen
-44	D, E, or F	4	Clear	Spacer
-45	D, E, or F	4	Blue	Color filter
-46	D, E, or F	4	Green	Color filter
-47	D, E, or F	4	Red	Color filter
-48	D, E, or F	4	White	Color filter
-49	D, E, or F	4	Yellow	Color filter
-50	All	---	---	Retainer
Type 2				
-18	All	---	Clear	Front lens plate
-19	A	1	White	Display screen
-20	B, D, or E	2	White	Display screen
-21	C	3	White	Display screen
-22	A	1	Clear	Spacer
-23	B, D, or E	2	Clear	Spacer
-24	C	3	Clear	Spacer

See footnote at end of table.

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TABLE II. Dash numbers - Continued.

Dash number	Lens code (see table I)	Style number (see table I)	Color	Description
Type 2				
-25	A	1	Blue	Color filter
-26	A	1	Green	Color filter
-27	A	1	Red	Color filter
-28	A	1	White	Color filter
-29	A	1	Yellow	Color filter
-30 <u>1/</u>	A	1	Violet	Color filter
-31	B, D, or E	2	Blue	Color filter
-32	B, D, or E	2	Green	Color filter
-33	B, D, or E	2	Red	Color filter
-34	B, D, or E	2	White	Color filter
-35 <u>1/</u>	B, D, or E	2	Yellow	Color filter
-36	B, D, or E	2	Violet	Color filter
-37	C	3	Blue	Color filter
-38	C	3	Green	Color filter
-39	C	3	Red	Color filter
-40	C	3	White	Color filter
-41	C	3	Yellow	Color filter
-42 <u>1/</u>	C	3	Violet	Color filter
-51	D, E, or F	4	White	Display screen
-52	D, E, or F	4	Clear	Spacer
-53	D, E, or F	4	Blue	Color filter
-54	D, E, or F	4	Green	Color filter
-55	D, E, or F	4	Red	Color filter
-56	D, E, or F	4	White	Color filter
-57	D, E, or F	4	Yellow	Color filter
-58	All	4	---	Retainer

1/ Inactive for new design.

Custodians:
Navy - EC
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-1716-13)