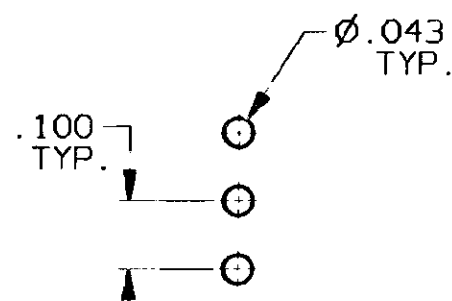
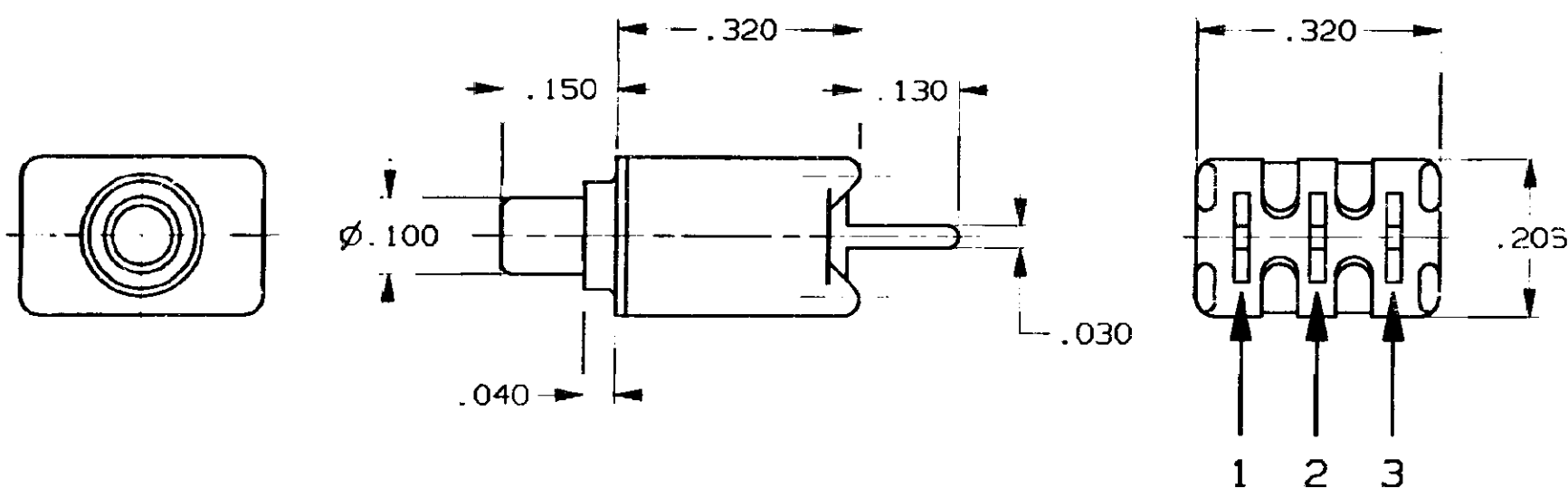
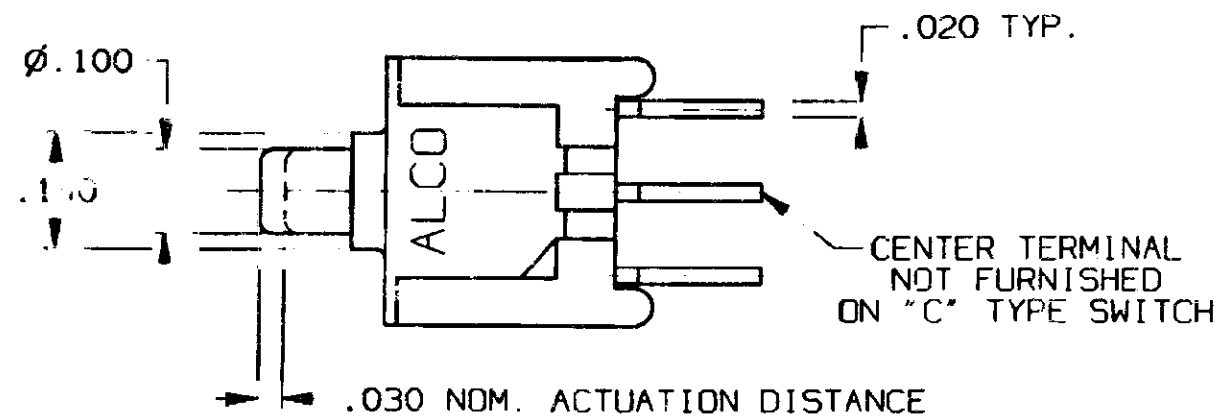


| CONVERSION CHART |      |
|------------------|------|
| INCH             | MM   |
| .002             | 0.05 |
| .010             | 0.25 |
| .020             | 0.50 |
| .030             | 0.76 |
| .040             | 1.01 |
| .043             | 1.09 |
| .100             | 2.54 |
| .110             | 2.79 |
| .130             | 3.30 |
| .140             | 3.55 |
| .150             | 3.81 |
| .206             | 5.23 |
| .320             | 8.12 |



**RECOMMENDED HOLE LAYOUT**  
TOLERANCE  $\pm .002$  UNLESS OTHERWISE NOTED

| OPTIONS |              |
|---------|--------------|
| [**]    | BUTTON COLOR |
| [0]     | BLACK        |
| [2]     | RED          |
| [9]     | WHITE        |

#### SPECIFICATIONS:

**MATERIALS:**  
CASE: HIGH TEMPERATURE POLYESTER, UL94V-0.  
ACTUATOR BUTTON: POLYAMIDE. (SEE OPTIONS CHART).  
TERMINALS: COPPER ALLOY, TIN/LEAD PLATE.  
TERMINAL SEAL: SP EPOXY.  
MOVING CONTACT: COPPER ALLOY, GOLD PLATE.  
FIXED CONTACTS: COPPER ALLOY, GOLD PLATE.

**ELECTRICAL:**  
CONTACT RATING, GOLD: 0.4 VA MAX. @ 20VDC OR PEAK AC.  
INITIAL CONTACT RESISTANCE: 20 MILLIOHMS MAX.  
INSULATION RESISTANCE: 1,000 MEGOHMS @ 500 VDC MIN.  
DIELECTRIC STRENGTH: 1000 VOLTS RMS @ SEA LEVEL.  
LIFE EXPECTANCY: 60,000 CYCLES.

**MECHANICAL:**  
ACTUATION FORCE: 50 TO 400 GRAMS.  
ACTUATION TRAVEL: .030 IN. APPROX.

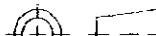
**ENVIRONMENTAL:**  
OPERATING TEMPERATURE:  $-22^{\circ}\text{F}$  TO  $+149^{\circ}\text{F}$  ( $-30^{\circ}\text{C}$  TO  $+65^{\circ}\text{C}$ ).  
STORAGE TEMPERATURE:  $-22^{\circ}\text{F}$  TO  $+149^{\circ}\text{F}$  ( $-30^{\circ}\text{C}$  TO  $+65^{\circ}\text{C}$ ).

**NOTES:** UNLESS OTHERWISE SPECIFIED  
1. INTERPRET DRAWING PER ANSI Y14.5M 1982.

| CIRCUIT CONNECTIONS                                                                                                                                            |                       |                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| SWITCH<br>(*)<br>MODEL NO                                                                                                                                      | FLAT<br>ALCO<br>1 2 3 | FLAT<br>ALCO<br>1 2 3 |
| TPA11(C)G-PC                                                                                                                                                   | OFF                   | 3-1 (MOM)             |
| TPA11(F)G-PC                                                                                                                                                   | 2-1                   | 2-3 (MOM)             |
| <b>NOTES:</b><br>TERMINALS CONNECTED WHEN BUTTON IS IN POSITIONS SHOWN.<br>TERMINAL DESIGNATION NUMBERS ARE FOR REFERENCE ONLY, AND DO NOT APPEAR ON SWITCHES. |                       |                       |

#### CUSTOMER DRAWING

SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE

|                                                                                       |                                                                                                                                                                                                                                                              |                                                                                      |                          |                                      |                  |                                                                                       |      |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------|--------------------------------------|------------------|---------------------------------------------------------------------------------------|------|
|  | THIRD ANGLE<br>PROJECTION                                                                                                                                                                                                                                    | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN MILLI-<br>METERS. DO NOT SCALE PRINT |                          | ORIGINAL DATE<br>OF DRAWING: 9-23-96 |                  |  |      |
|                                                                                       | TOLERANCES (EXCEPT AS NOTED)<br>ANGULAR = ±1°<br>DECIMAL .XXX = ±.010                                                                                                                                                                                        |                                                                                      |                          | DRAWN:<br>C. THEODORE                | DATE:<br>9-23-96 | TITLE: CUSTOMER DRAWING<br>PUSHBUTTON SWITCH,<br>(TPA11(*)G-PC[**])                   |      |
|                                                                                       | <b>TYCO CONFIDENTIAL</b><br>This document contains information<br>which is the exclusive property of<br><b>TYCO ELECTRONICS</b><br>Distribution, reproduction or use by<br>others is not permitted without the<br>expressed written consent of Augat<br>Inc. | MATERIAL:<br><br>SEE SPECIFICATIONS                                                  |                          | CHECKED:                             | DATE:            | DWG. NO.                                                                              | REV. |
|                                                                                       |                                                                                                                                                                                                                                                              | FINISH:<br><br>SEE SPECIFICATIONS                                                    |                          | APPROVED:                            | DATE:            | 2-1437571-5                                                                           | A    |
|                                                                                       |                                                                                                                                                                                                                                                              |                                                                                      | CODE IDENT. NO.<br>9150E | DWG. SIZE<br>C                       | PRODUCT CODE:    |                                                                                       |      |
|                                                                                       |                                                                                                                                                                                                                                                              |                                                                                      | NEXT ASSY:               | SCALE:                               | SHEET 1 OF 1     |                                                                                       |      |

AUGAT D/N 40102

THIS IS A C.A.D. GENERATED DRAWING.  
DO NOT MAKE MANUAL REVISIONS TO MASTER.

**tyco**  
**Electronics**

TITLE: CUSTOMER DRAWING  
PUSHBUTTON SWITCH,  
(TPA11(\*)G-PC[\*\*])

DWG. NO. 2-1437571-5  
REV. A

PRODUCT CODE: SCALE: SHEET 1 OF 1

REV A

REVISIONS  
0G3C-0173-02

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