

| LOC | DIST | REVISIONS |     |                           |          |     |      |
|-----|------|-----------|-----|---------------------------|----------|-----|------|
|     |      | P         | LTR | DESCRIPTION               | DATE     | DWN | APVD |
| AD  | 00   |           | A   | REVISED PER ECO-05-012969 | 11-25-05 | HMR | —    |

**SPECIFICATIONS:**

**MATERIALS:**

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| CASE & BUSHING :   | LCP                                                                    |
| BRACKET :          | STEEL, TIN OVER COPPER PLATED                                          |
| O-RING :           | NITRILE                                                                |
| LEVER :            | BRASS, NICKEL PLATED                                                   |
| SPRING :           | MUSIC WIRE                                                             |
| RETAINING PLATE :  | STEEL, NICKEL PLATED                                                   |
| PLUNGER :          | STAINLESS STEEL                                                        |
| INSULATOR :        | PTFE                                                                   |
| MOVEABLE CONTACT : | BRASS OR COPPER ALLOY, GOLD OVER NICKEL PLATED                         |
| TERMINALS :        | BRASS, TIN OVER NICKEL IN SOLDER AREA AND GOLD OVER Ni IN CONTACT AREA |

**ELECTRICAL:**

|                              |                                                                                    |
|------------------------------|------------------------------------------------------------------------------------|
| CONTACT RATING :             | 0.4 VA @ 20 VDC OR PEAK AC                                                         |
| INITIAL CONATACT RESISTANCE: | 20 MILLIOHMS MAX.                                                                  |
| INSULATION RESISTANCE :      | 1,000 MEGOHMS AT 500 VDC MIN.                                                      |
| DIELECTRIC STRENGTH :        | 1,000 VOLTS RMS AT SEA LEVEL                                                       |
| LIFE EXPECTANCY :            | 2 POSITION: 80,000 CYCLES<br>3 POSITION: 60,000 CYCLES<br>MOMENTARY: 30,000 CYCLES |

**ENVIRONMENTAL:**

|                         |                                  |
|-------------------------|----------------------------------|
| OPERATING TEMPERATURE : | -22°F TO +185°F (-30°C TO +85°C) |
| STORAGE TEMPERATURE :   | -67°F TO +185°F (-55°C TO +85°C) |

**NOTES:**

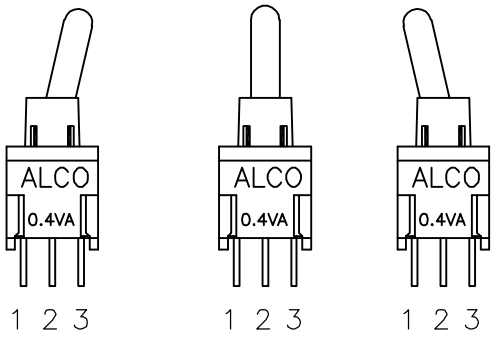
1. ALL METATERIALS & FINISHES COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

PART NUMBERING SEQUENCE

| MODEL | NO. OF POLES | CONTACT RATINGS | FUNCTION                                                                                                                                                                       | CONTACT PLATINGS | TERMINATIONS                                                                                                                                            | ACTUATOR                                                                               | BUSHING (PLAIN) | TAPE & REEL PKGNG. | ROHS |
|-------|--------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------|--------------------|------|
| TST   | 1            | 1               | <div><div>D</div>ON NONE ON</div> <div><div>E</div>ON OFF ON</div> <div><div>F</div>ON NONE (ON)</div> <div><div>G</div>(ON) OFF (ON)</div> <div><div>H</div>ON OFF (ON)</div> | G                | <div><div>PC</div>PC</div> <div><div>PCV</div>P.C. WITH BRACKET</div> <div><div>RA</div>RIGHT ANGLE</div> <div><div>VRA</div>VERTICAL RIGHT ANGLE</div> | <div><div>1</div>.206"</div> <div><div>2</div>.250"</div> <div><div>4</div>.400"</div> | D               | TR                 | 04   |

FUNCTION CHART

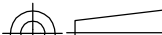
THE FOLLOWING FUNCTIONS AVAILABLE IN SINGLE POLE



|                                                                    |   |             |      |      |      |
|--------------------------------------------------------------------|---|-------------|------|------|------|
| NONE INDICATES NO MECHANICAL POSITION.                             | D | 2 POSITIONS | ON   | NONE | ON   |
| OFF INDICATES A MECHANICAL POSITION WITH NO ELECTRICAL CONNECTION. | E | 3 POSITIONS | ON   | OFF  | ON   |
| (ON) INDICATES MOMENTARY ACTION.                                   | F | 2 POSITIONS | ON   | NONE | (ON) |
|                                                                    | G | 3 POSITIONS | (ON) | OFF  | (ON) |
|                                                                    | H | 3 POSITIONS | ON   | OFF  | (ON) |

TERMINALS CONNECTED:

|     |   |     |
|-----|---|-----|
| 1-2 | — | 2-3 |
|-----|---|-----|

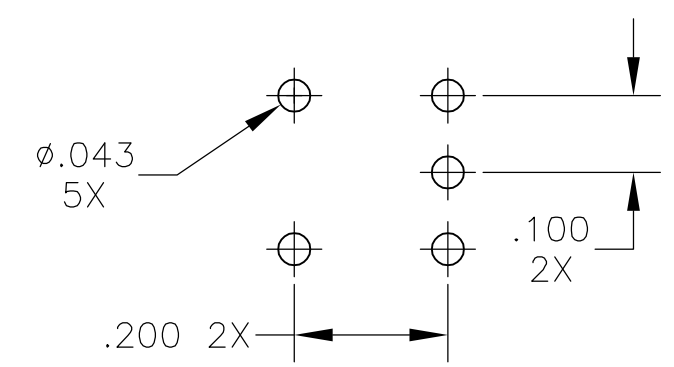
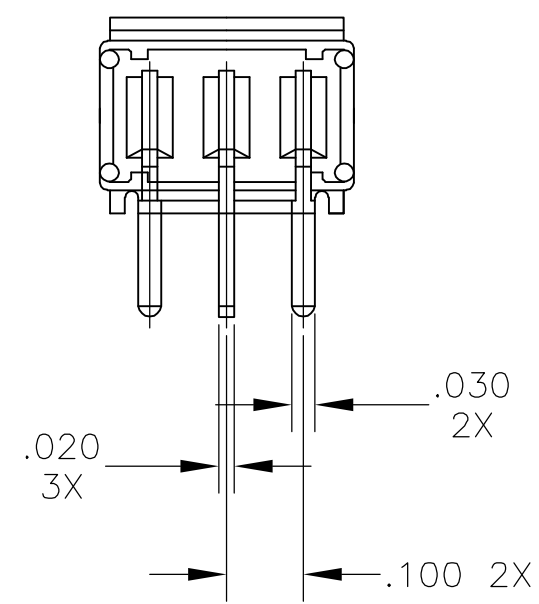
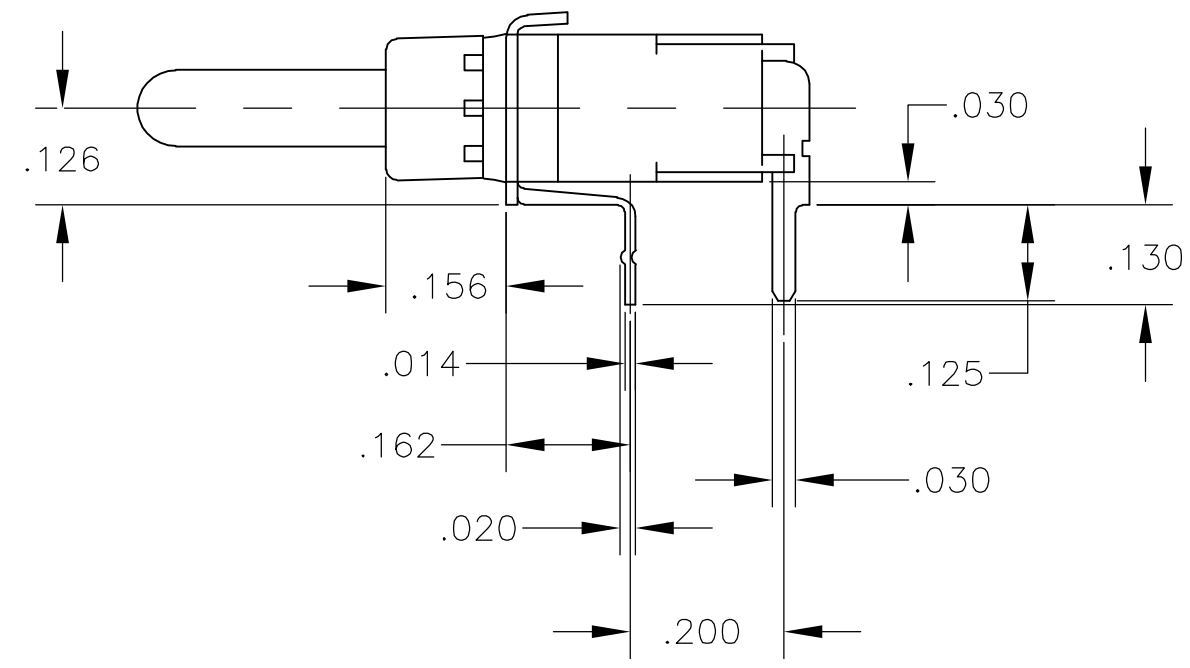
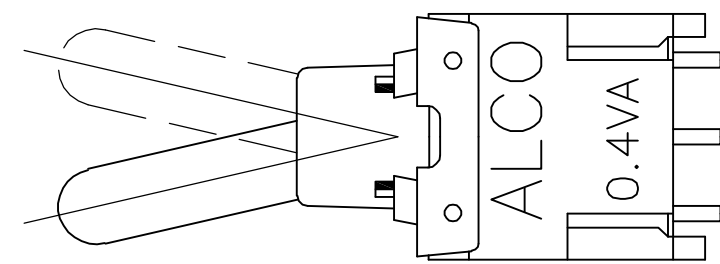
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|---------------------------------------------------------------------------------------|--|-----------------------|----------|------------------------------------------------------------------------------------------------|--------------------|-------------------------|--------------------|----------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>C.M.M.         | 7-11-90  | <b>tyco</b><br><b>Electronics</b><br>Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |                    |                         |                    |          |
| DIMENSIONS:<br>INCHES                                                                 |  | CHK<br>B.J.A.         | 12-20-90 | NAME<br><br>SEALED TOGGLE SWITCH,<br>SINGLE POLE, TST SERIES<br><br>—                          |                    |                         |                    |          |
|  |  | APVD<br>B.J.A.        | 12-20-90 |                                                                                                |                    |                         |                    |          |
|                                                                                       |  | PRODUCT SPEC<br>—     |          |                                                                                                |                    |                         |                    |          |
|                                                                                       |  | APPLICATION SPEC<br>— |          |                                                                                                |                    |                         |                    |          |
| MATERIAL<br>—                                                                         |  | WEIGHT<br>—           |          | SIZE<br>A2                                                                                     | CAGE CODE<br>00779 | DRAWING NO<br>C=1825455 | RESTRICTED TO<br>— |          |
|                                                                                       |  | CUSTOMER DRAWING      |          |                                                                                                |                    | SCALE<br>4:1            | SHEET<br>1 OF 3    | REV<br>A |

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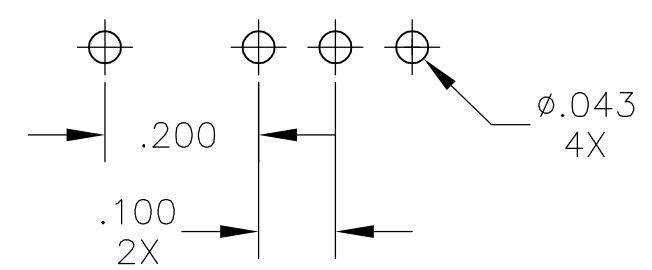
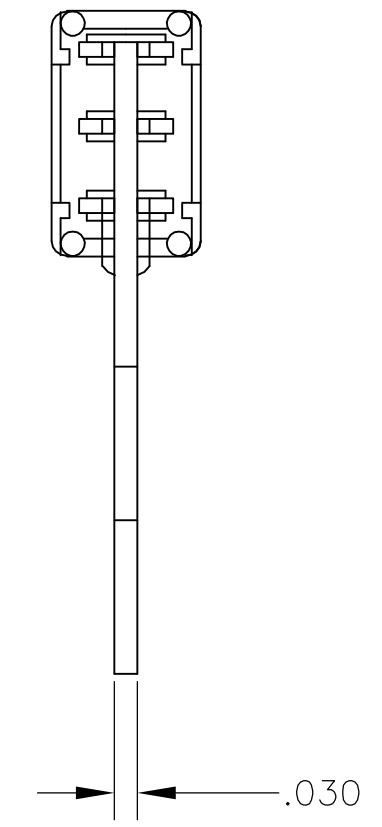
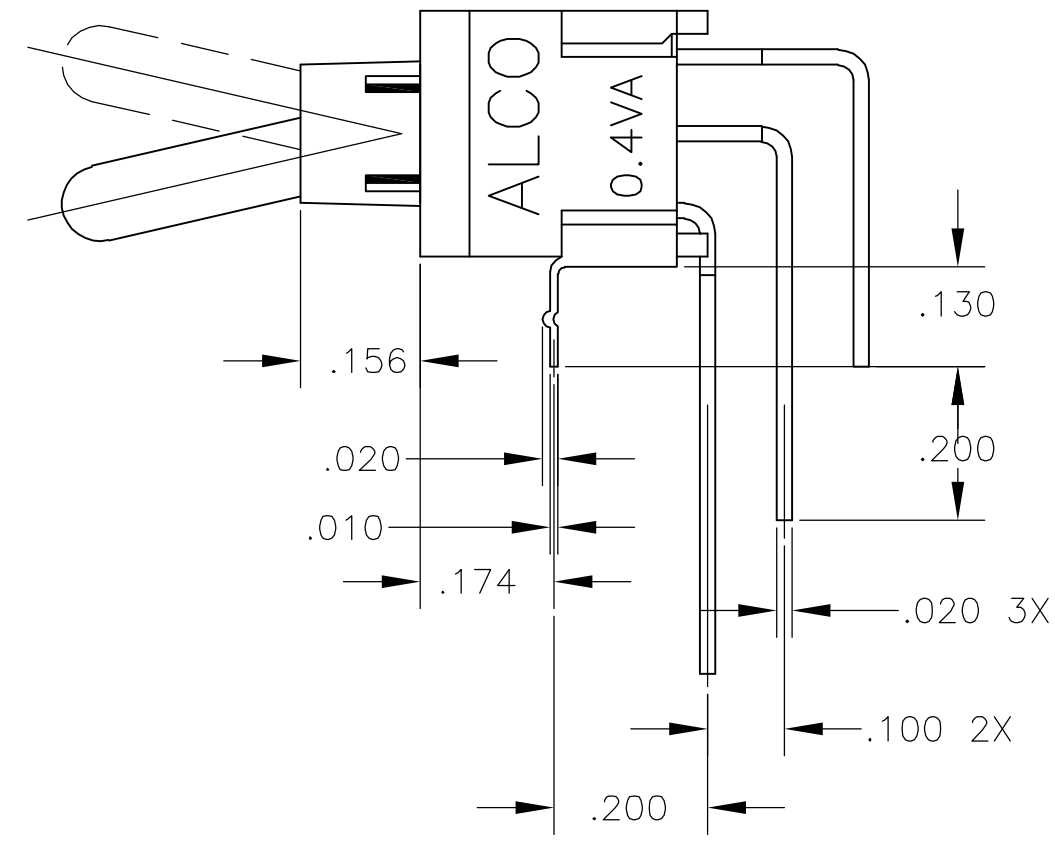
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| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| AD  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | —   | SEE SHEET 1 | —    | —   | —    |



TOLERANCES FOR ALL PCB LAYOUT  
DIMENSIONS TO BE  $\pm.002$

RIGHT ANGLE



TOLERANCES FOR ALL PCB LAYOUT  
DIMENSIONS TO BE  $\pm.002$

VERTICAL  
RIGHT ANGLE

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
INCHES

MATERIAL

-

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

|        |   |      |
|--------|---|------|
| 0 PLC  | ± | -    |
| 1 PLC  | ± | -    |
| 2 PLC  | ± | -    |
| 3 PLC  | ± | .010 |
| 4 PLC  | ± | -    |
| ANGLES | ± | 3°   |
| FINISH | - | -    |

DWN  
C.M.M.

7-11-90

CHK  
B.J.A.

12-20-90

APVD  
B.J.A.

12-20-90

PRODUCT SPEC

-

APPLICATION SPEC

-

WEIGHT

-

CUSTOMER DRAWING

Tyco Electronics Corporation  
Harrisburg, Pa 17105-3608

NAME

SEALED TOGGLE SWITCH,  
SINGLE POLE, TST SERIES

-

SIZE

A2

CAGE CODE

00779

DRAWING NO

C=1825455

RESTRICTED TO

-

SCALE

4:1

SHEET

2

OF

3

REV

A

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| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| AD  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | —   | SEE SHEET 1 | —    | —   | —    |

D

C

B

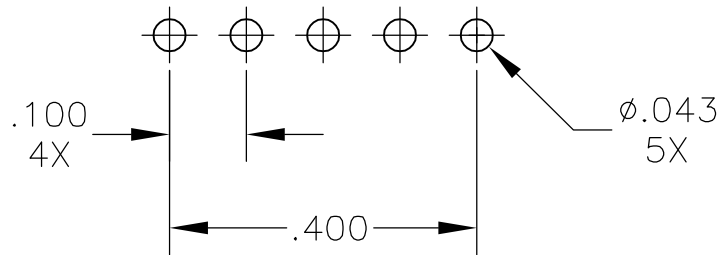
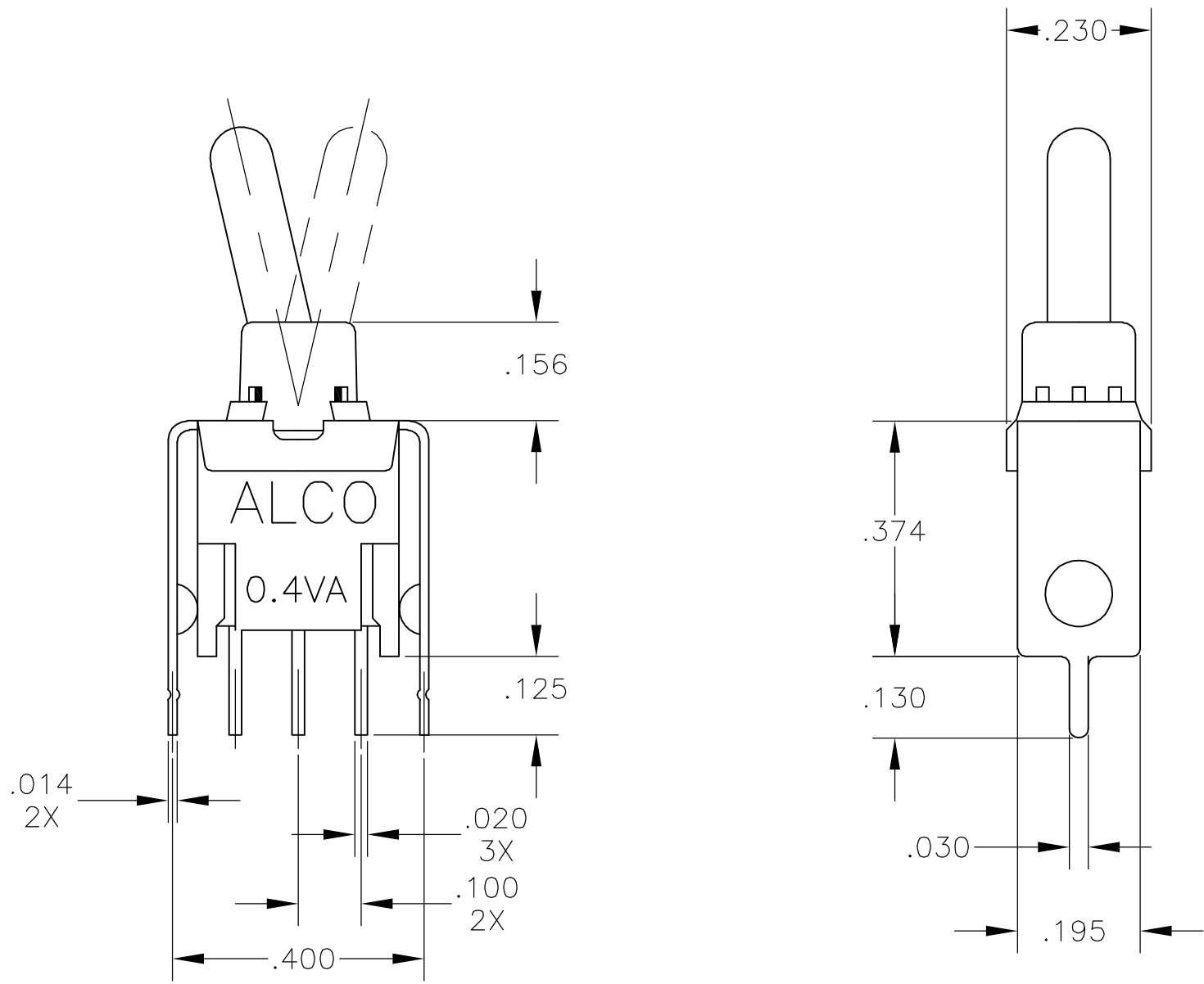
A

D

C

B

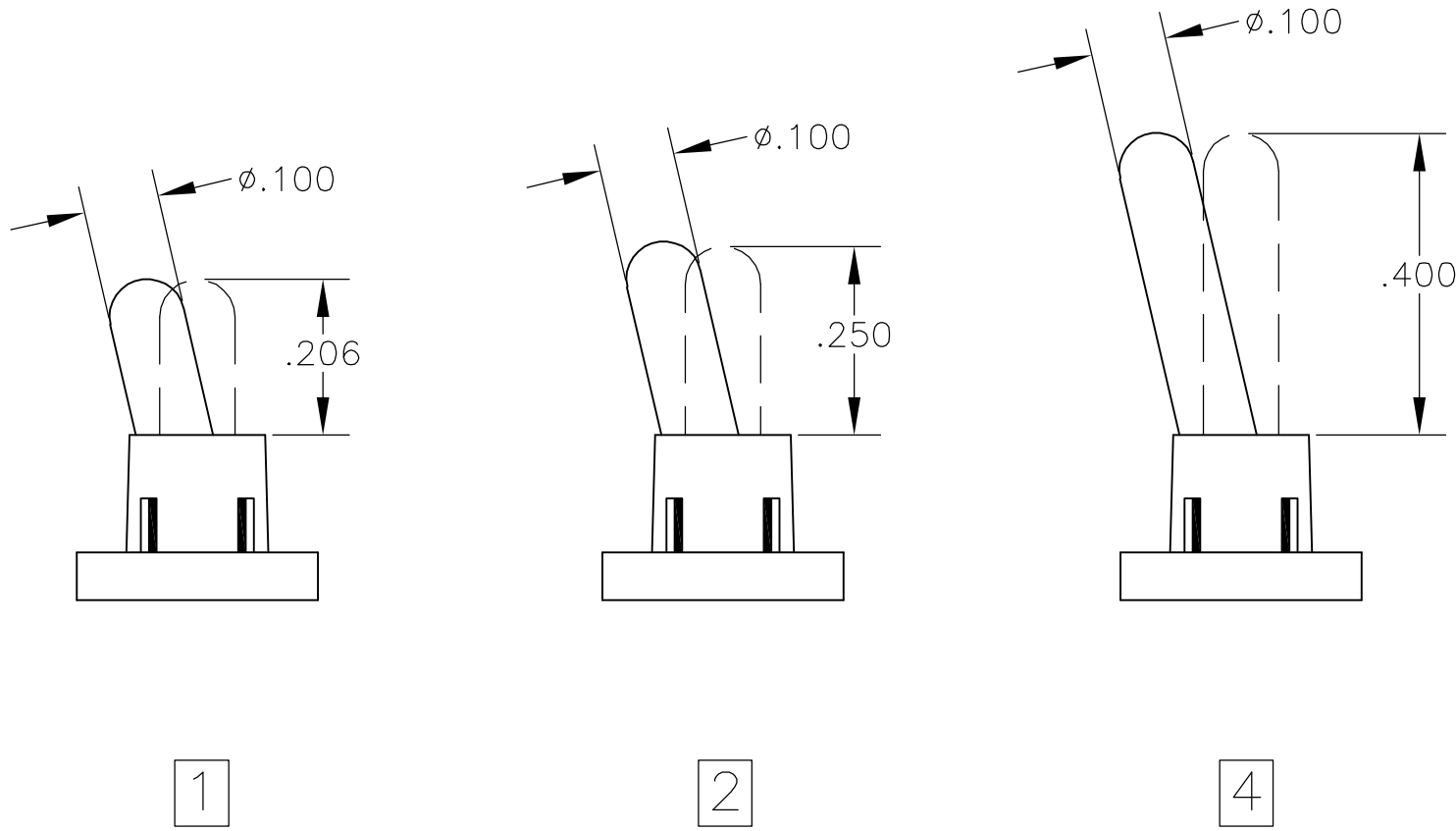
A



TOLERANCES FOR ALL PCB LAYOUT  
DIMENSIONS TO BE ±.002

PCV PC WITH VERTICAL  
SUPPORT BRACKET

ACTUATORS



1825455

|                                                                                       |  |                       |          |                                                                                                |                    |                         |                    |
|---------------------------------------------------------------------------------------|--|-----------------------|----------|------------------------------------------------------------------------------------------------|--------------------|-------------------------|--------------------|
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|  |  | PRODUCT SPEC<br>—     |          |                                                                                                |                    |                         |                    |
|                                                                                       |  | APPLICATION SPEC<br>— |          |                                                                                                |                    |                         |                    |
| MATERIAL<br>—                                                                         |  | FINISH<br>—           |          | SIZE<br>A2                                                                                     | CAGE CODE<br>00779 | DRAWING NO<br>C=1825455 | RESTRICTED TO<br>— |
| CUSTOMER DRAWING                                                                      |  |                       |          | SCALE<br>4:1                                                                                   | SHEET<br>3         | OF<br>3                 | REV<br>A           |