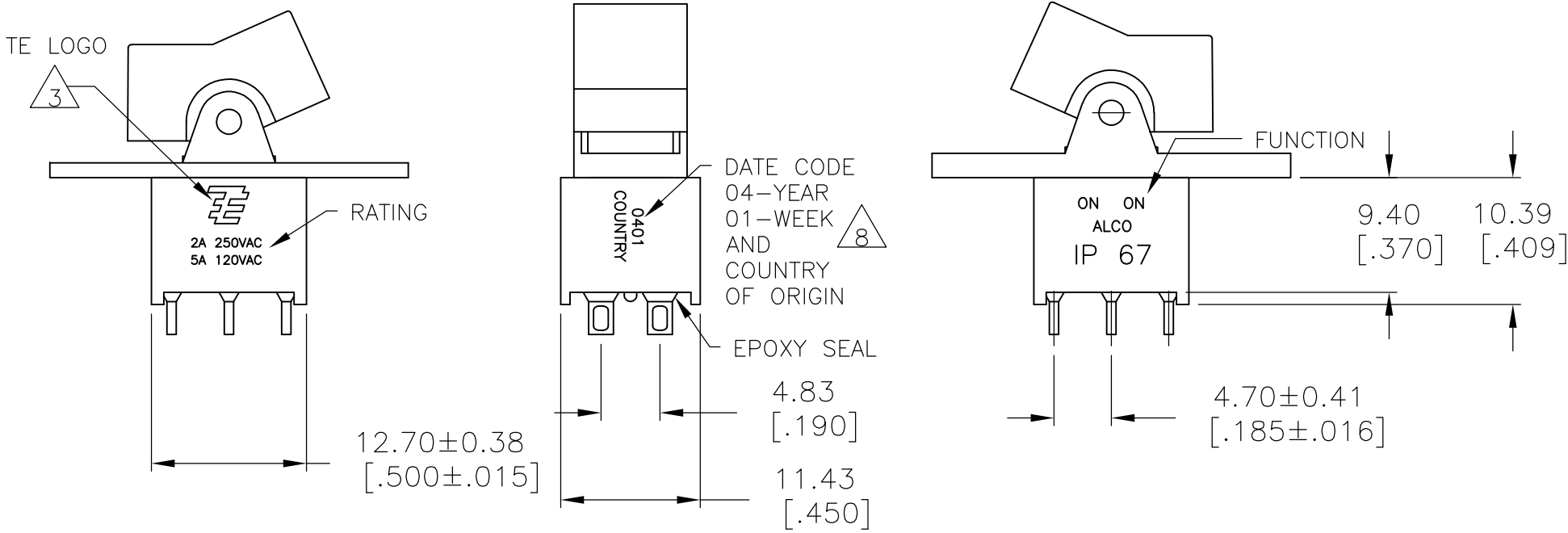


| LOC | DIST | REVISIONS |     |                           |           |     |      |
|-----|------|-----------|-----|---------------------------|-----------|-----|------|
|     |      | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
| AD  | 00   |           | A6  | REVISED PER ECO-14-005988 | 23APR2014 | NK  | RH   |



FUNCTION CHART

| FUNCTION            |          |      |          |
|---------------------|----------|------|----------|
| 01                  | ON       | NONE | ON       |
| 03                  | ON       | OFF  | ON       |
| 05                  | (ON)     | OFF  | (ON)     |
| 07                  | ON       | OFF  | (ON)     |
| 08                  | ON       | NONE | (ON)     |
| TERMINALS CONNECTED | 2-3, 5-6 | ---  | 1-2, 4-5 |

|                                                |             |             |             |
|------------------------------------------------|-------------|-------------|-------------|
| 11                                             | ON          | ON          | ON          |
| 13                                             | ON          | ON          | (ON)        |
| 15                                             | (ON)        | ON          | (ON)        |
| TERMINALS CONNECTED                            | 2-3, 5-6    | 2-3, 4-5    | 1-2, 4-5    |
| SP3T SCHEMATIC<br>(11, 13 & 15 ONLY)<br>NOTE 7 |             |             |             |
|                                                | IN 2, OUT 6 | IN 2, OUT 4 | IN 2, OUT 1 |

NONE: NO MECHANICAL POSITION  
OFF: MECHANICAL POSITION WITH NO ELECTRICAL CONNECTION  
(ON): MOMENTARY ACTION

SPECIFICATIONS

|                                 |                                                                     |
|---------------------------------|---------------------------------------------------------------------|
| RATING, B CONTACTS              | .4VA MAX @20V MAX. AC OR DC                                         |
| RATING, G CONTACTS-SEE NOTE 2   | .4VA MAX @20V MAX. AC OR DC OR<br>5A @120 VAC OR 28 VDC (RESISTIVE) |
|                                 | 2A @250 VAC (RESISTIVE)                                             |
| RATING, Q CONTACTS              | 5A @120 VAC OR 28 VDC (RESISTIVE)                                   |
|                                 | 2A @250 VAC (RESISTIVE)                                             |
| ELECTRICAL LIFE                 | 6,000 CYCLES AT RATED LOAD                                          |
| CONTACT RESISTANCE              | 10 MILLIOHMS MAX INITIAL @ 2-4VDC, 100MA                            |
| INSULATION RESISTANCE           | 1,000 MEGOHMS MIN                                                   |
| DIELECTRIC WITHSTANDING VOLTAGE | 1,000 V RMS AT SEA LEVEL                                            |
| OPERATING TEMPRATURE            | -30C TO 85C                                                         |

- 1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).
- 2 G CONTACT OPTION CAN BE USED FOR SIGNAL OR POWER LEVEL SWITCHING. IF SWITCH IS USED AT LEVELS EXCEEDING .4VA @ 20V AC/DC, SWITCH IS RENDERED FOR POWER SWITCHING ONLY DUE TO ARC REMOVAL OF GOLD PLATING. RATING MARKED ON THE SWITCH IS 2A 250VAC, 5A 120VAC.
- 3 TE LOGO
- 5 SWITCHES MEET REQUIREMENTS OF IP67
- 6 PANEL MOUNT ACTUATOR PIVOT SUPPLIED WITH C, W, W4, Z & Z3 TERMINATIONS. PC MOUNT ACTUATOR PIVOT SUPPLIED WITH A, AV2, V3 & V4 TERMINATIONS
- 7 SP3T FUNCTION ACHIEVED WITH FUNCTIONS 11, 13 & 15 BY CUSTOMER APPLIED JUMPER BETWEEN TERMINALS 3 AND 5.
- 8 DATE CODE AND COUNTRY OF ORIGIN MAY APPEAR ON EITHER SIDE OF SWITCH.
- 9 ALL LOGO, RATING, DATE CODE, AND FUNCTION MARKINGS TO BE LASER MARKED.

PART NUMBER SEQUENCE

| MODEL | FUNCTION | TOGGLE | TERMINAL | CONTACT | ACTUATOR COLOR | ROHS |
|-------|----------|--------|----------|---------|----------------|------|
| AE2   |          |        |          |         |                | 04   |
|       | 01       | J1     | A        | B       | 0 BLACK (STD)  |      |
|       | 03       | J50    | AV2      | G       | 1 BROWN        |      |
|       | 05       | J2     | C        | Q       | 2 RED          |      |
|       | 07       | J60    | V3       |         | 3 ORANGE       |      |
|       | 08       |        | V4       |         | 4 YELLOW       |      |
|       | 11       |        | W        |         | 5 GREEN        |      |
|       | 13       |        | W4       |         | 6 BLUE         |      |
|       | 15       |        | Z        |         | 8 GRAY         |      |
|       |          |        | Z3       |         | 9 WHITE        |      |

|                                        |  |                      |                                                    |  |            |               |
|----------------------------------------|--|----------------------|----------------------------------------------------|--|------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN M.BINNER 06JAN05 | TE Connectivity                                    |  |            |               |
|                                        |  | CHK M.ZITTO 06JAN05  |                                                    |  |            |               |
|                                        |  | APVD M.ZITTO 06JAN05 | NAME GEMINI AE SERIES ROCKER SWITCH<br>DOUBLE POLE |  |            |               |
|                                        |  | PRODUCT SPEC         |                                                    |  |            |               |
|                                        |  | APPLICATION SPEC     |                                                    |  | SIZE       | CAGE CODE     |
|                                        |  |                      |                                                    |  | DRAWING NO | RESTRICTED TO |
|                                        |  |                      |                                                    |  | A200779    | C=1571989     |
|                                        |  |                      |                                                    |  | SCALE 2:1  | SHEET 1 of 5  |
|                                        |  |                      |                                                    |  | REV A6     |               |

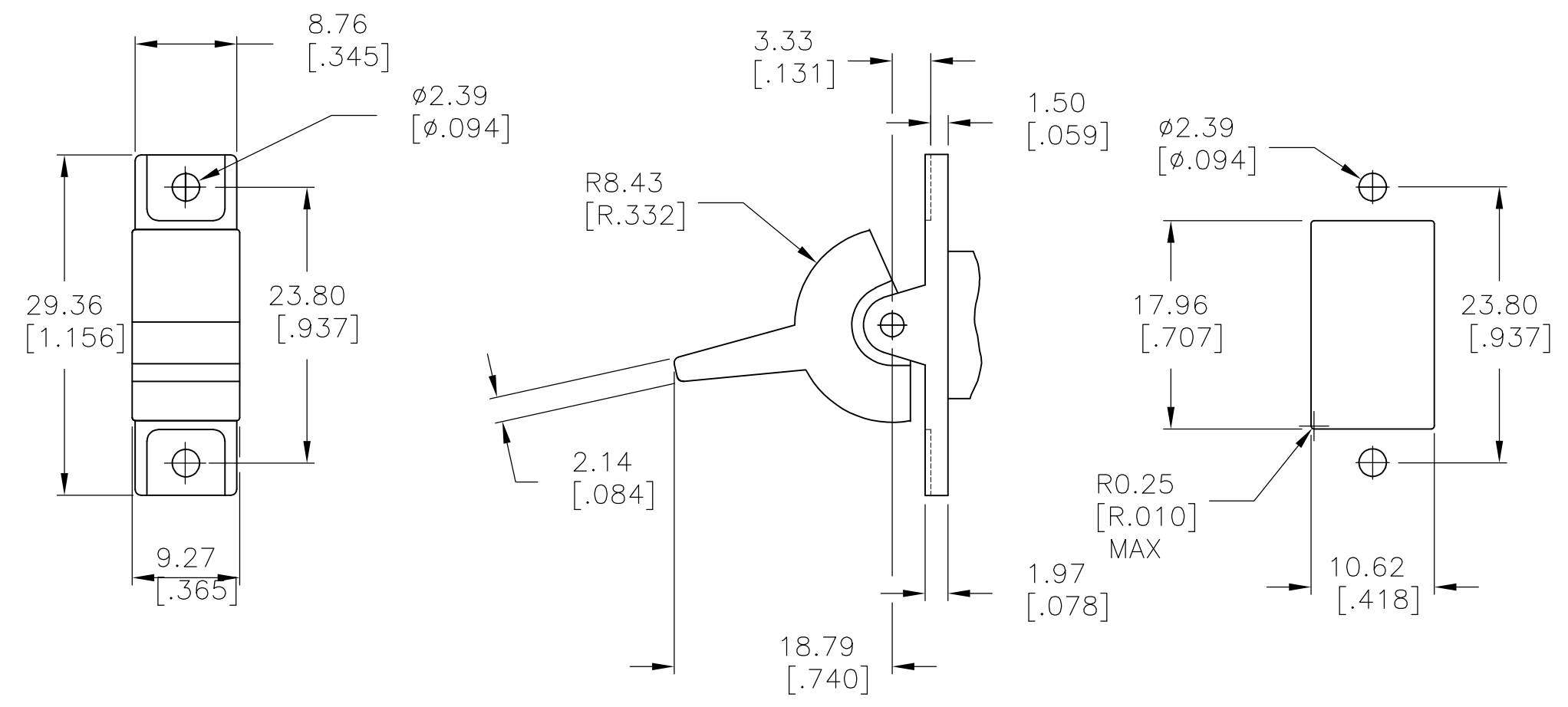


|                       |                         |
|-----------------------|-------------------------|
| 1.52–3.17 [.060–.125] | 15.75–15.87 [.620–.625] |
| 1.19–1.50 [.047–.059] | 15.72 [.619]            |
| PANEL THICKNESS       | DIM "A"                 |

|                                                                                       |  |                                           |  |                                                                                                                 |  |                                                    |  |           |            |               |
|---------------------------------------------------------------------------------------|--|-------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|-----------|------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>M.BINNER<br>06JAN05                |  | <div>TE Connectivity</div> |  |                                                    |  |           |            |               |
|                                                                                       |  | CHK<br>M.ZITTO<br>06JAN05                 |  |                                                                                                                 |  |                                                    |  |           |            |               |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | APVD<br>M.ZITTO<br>06JAN05                                                                                      |  | NAME                                               |  |           |            |               |
|  |  | 0 PLC ± -                                 |  | PRODUCT SPEC<br>—                                                                                               |  | GEMINI AE SERIES ROCKER SWITCH<br>DOUBLE POLE<br>— |  |           |            |               |
|                                                                                       |  | 1 PLC ± -                                 |  |                                                                                                                 |  |                                                    |  |           |            |               |
|                                                                                       |  | 2 PLC ± -                                 |  |                                                                                                                 |  |                                                    |  |           |            |               |
|                                                                                       |  | 3 PLC ± .010                              |  | APPLICATION SPEC<br>—                                                                                           |  | SIZE                                               |  | CAGE CODE | DRAWING NO | RESTRICTED TO |
|                                                                                       |  | 4 PLC ± -                                 |  |                                                                                                                 |  | A2                                                 |  | 00779     | C=1571989  |               |
| MATERIAL                                                                              |  | FINISH                                    |  | WEIGHT                                                                                                          |  |                                                    |  |           |            |               |
| —                                                                                     |  | —                                         |  | —                                                                                                               |  |                                                    |  |           |            |               |
| CUSTOMER DRAWING                                                                      |  |                                           |  |                                                                                                                 |  | SCALE                                              |  | SHEET     |            | REV           |
|                                                                                       |  |                                           |  |                                                                                                                 |  | 2:1                                                |  | 2 OF 5    |            | A6            |

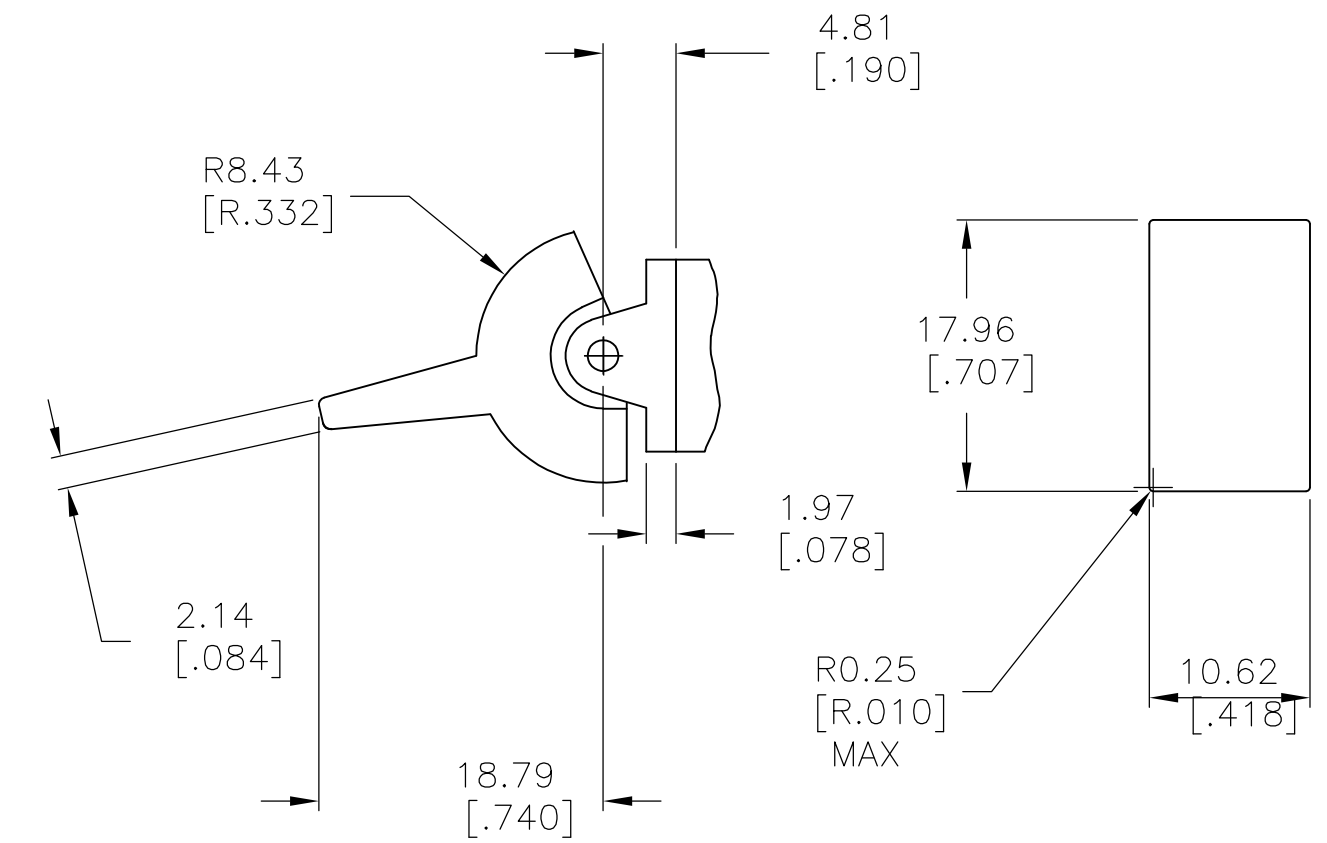
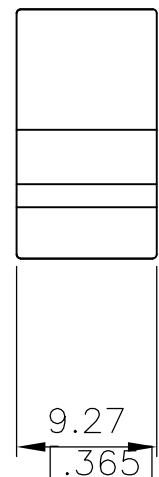
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| AD  | 00   |           | -   | SEE SHEET 1 | -    | -   | -    |

D



J2 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT

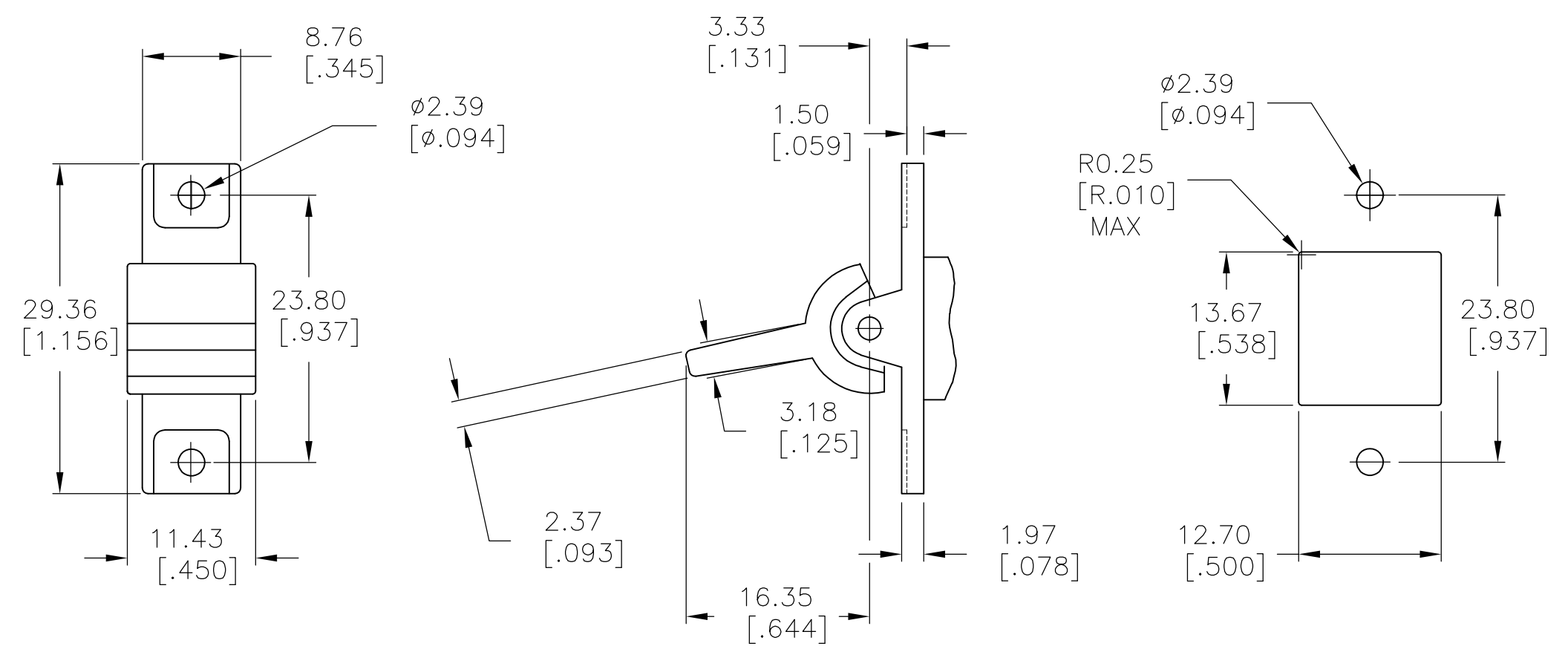
C



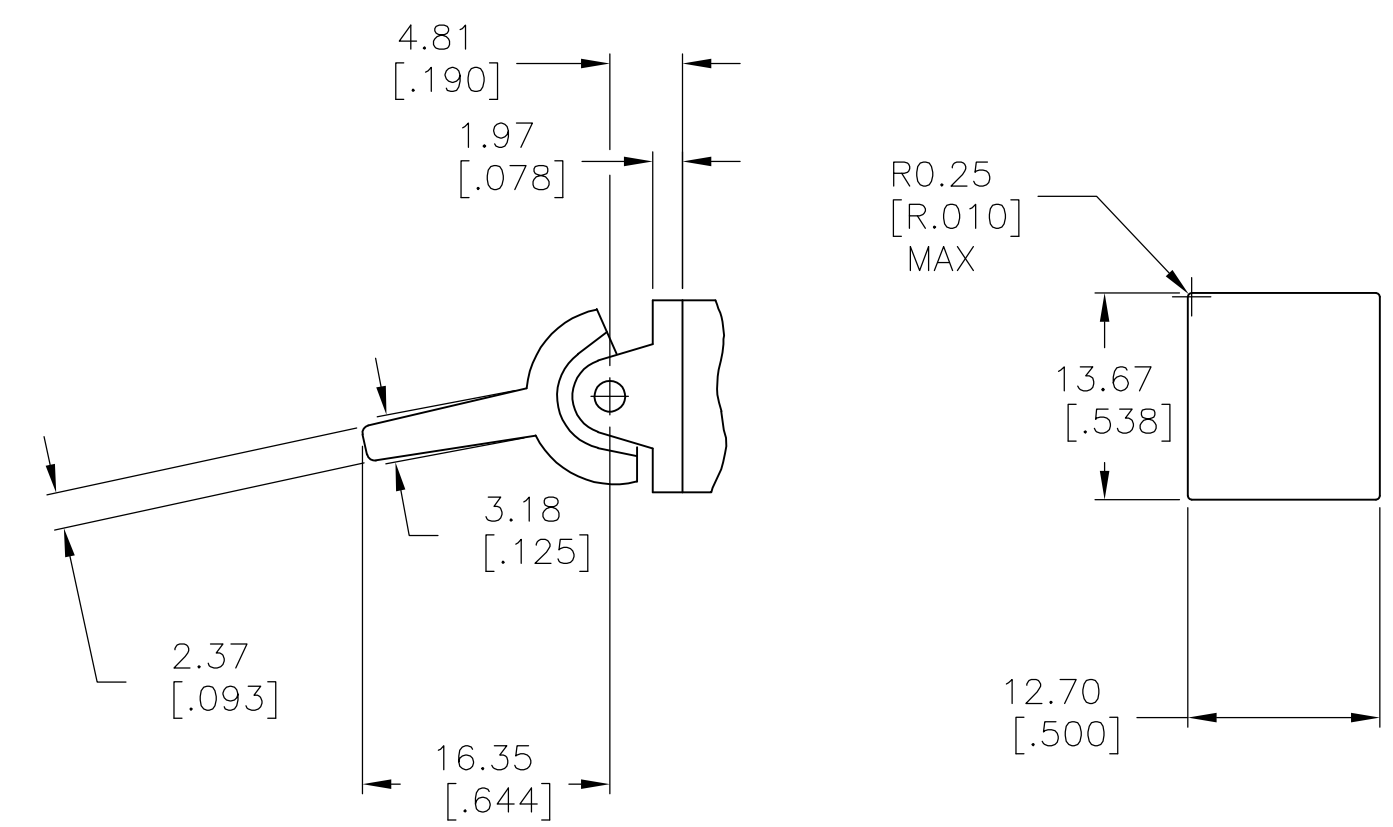
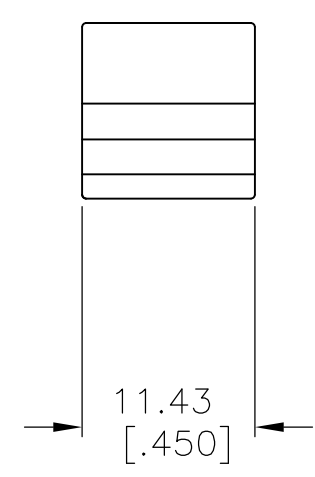
J2 SHOWN WITH PC MOUNT ACTUATOR PIVOT

D

B



J60 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT



J60 SHOWN WITH PC MOUNT ACTUATOR PIVOT

1571989

B

A

|                       |                         |
|-----------------------|-------------------------|
| 1.52-3.17 [.060-.125] | 15.75-15.87 [.620-.625] |
| 1.19-1.50 [.047-.059] | 15.72 [.619]            |
| PANEL THICKNESS       | DIM "A"                 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm [INCHES]

MATERIAL  
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DWN  
M.BINNER  
06JAN05

CHK  
M.ZITTO  
06JAN05

APVD  
M.ZITTO  
06JAN05

PRODUCT SPEC

APPLICATION SPEC

WEIGHT  
-

CUSTOMER DRAWING

TE Connectivity

NAME  
GEMINI AE SERIES ROCKER SWITCH  
DOUBLE POLE

SIZE  
A2

CAGE CODE  
00779

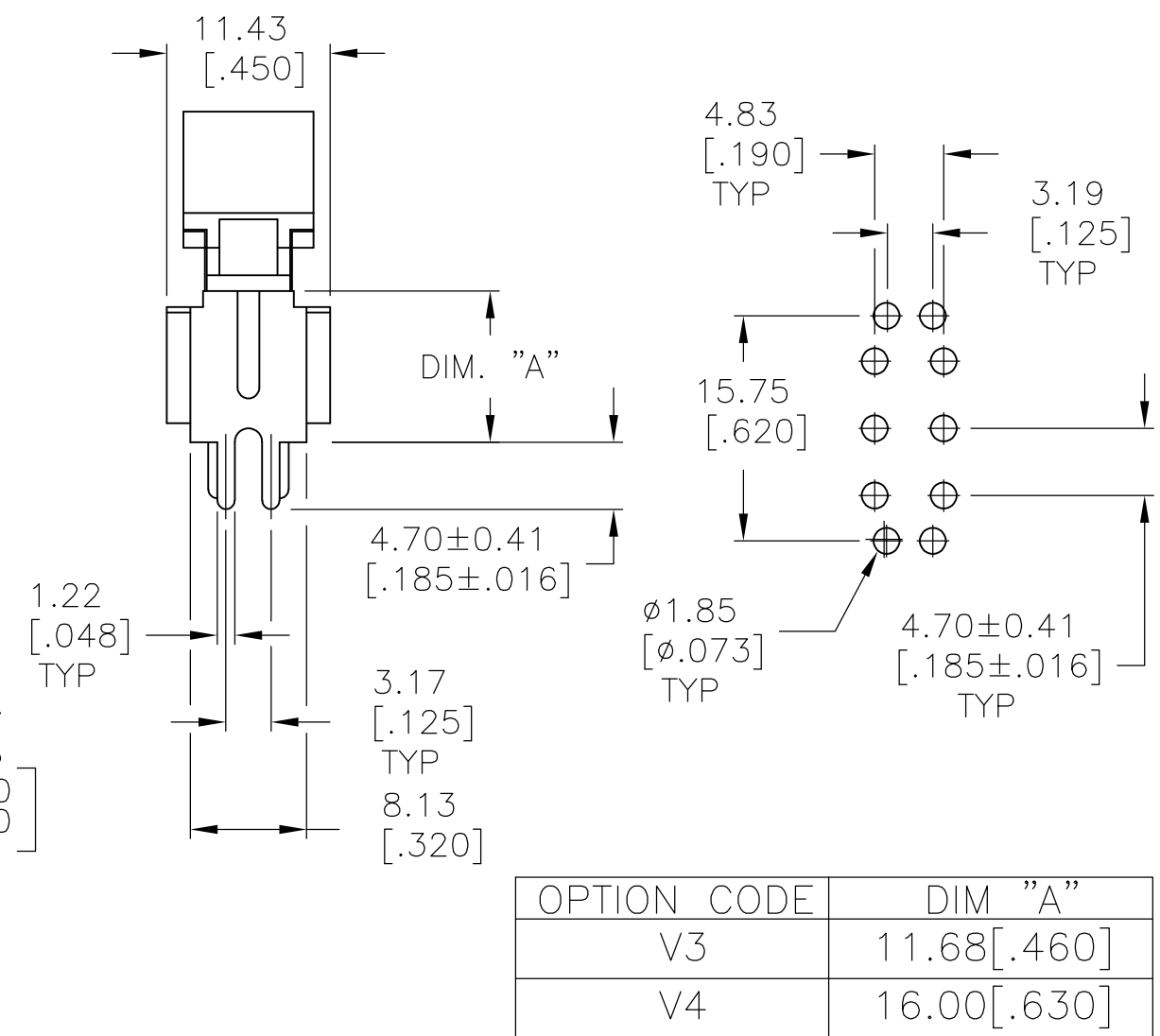
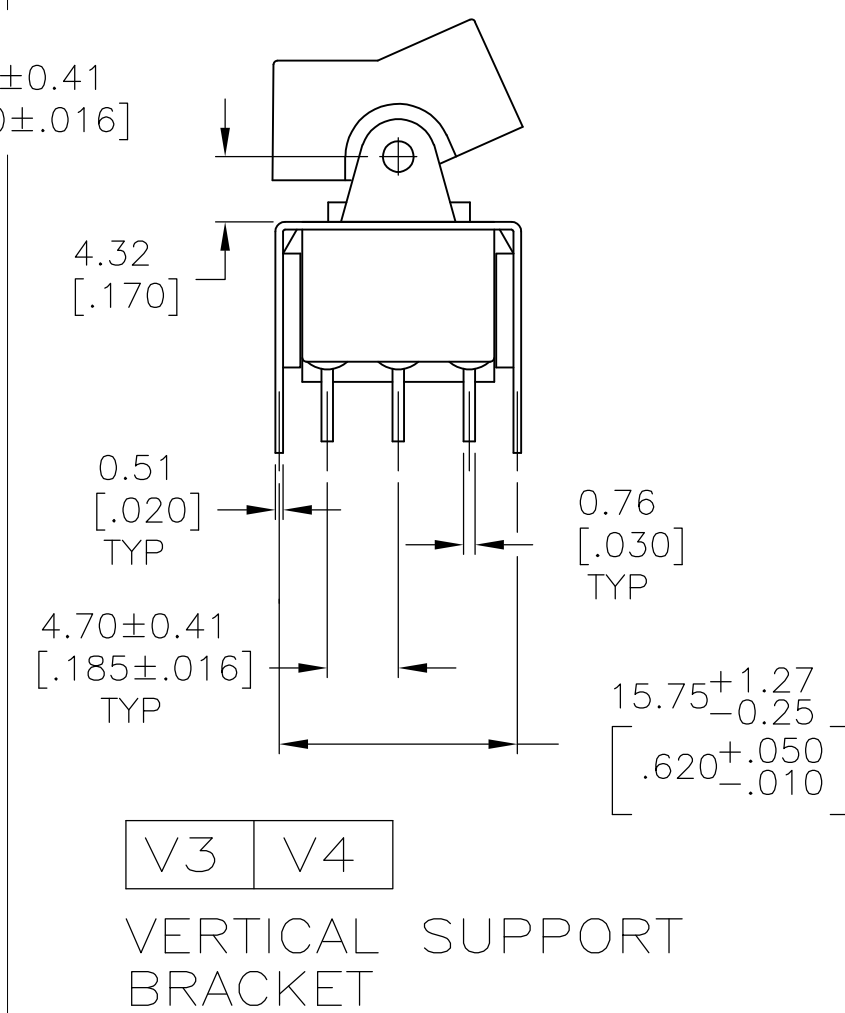
DRAWING NO  
1571989

RESTRICTED TO  
-

SCALE  
2:1

SHEET  
3 of 5

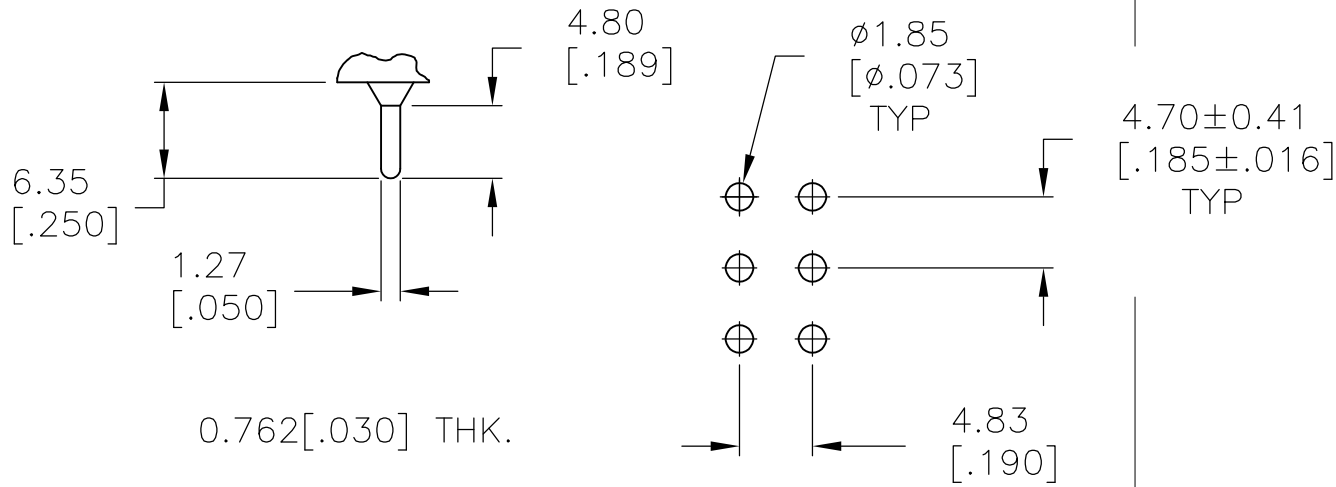
REV  
A6



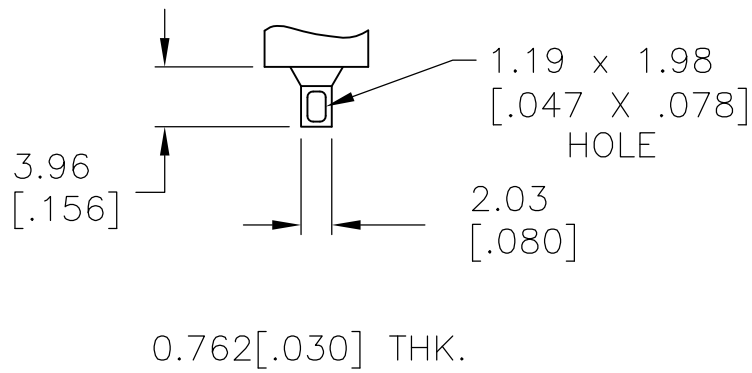
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|---------------------------------------------------------------------------------------|--|-------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>M.BINNER<br>06JAN05                |  |  TE Connectivity |                    |
|                                                                                       |  | CHK<br>M.ZITTO<br>06JAN05                 |  |                                                                                                       |                    |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | NAME<br><br>GEMINI AE SERIES ROCKER SWITCH<br>DOUBLE POLE<br>—                                        |                    |
|  |  | APVD<br>M.ZITTO<br>06JAN05                |  |                                                                                                       |                    |
| 0 PLC ± —<br>1 PLC ± —<br>2 PLC ± —<br>3 PLC ± .010<br>4 PLC ± —<br>ANGLES ± ± 4°     |  | PRODUCT SPEC<br>—                         |  |                                                                                                       |                    |
| MATERIAL<br>—                                                                         |  | APPLICATION SPEC<br>—                     |  |                                                                                                       |                    |
| FINISH<br>—                                                                           |  | WEIGHT<br>—                               |  | SIZE<br>A2                                                                                            | CAGE CODE<br>00779 |
|                                                                                       |  |                                           |  | DRAWING NO<br>C-1571989                                                                               | RESTRICTED TO<br>— |
| CUSTOMER DRAWING                                                                      |  |                                           |  | SCALE<br>2:1                                                                                          | SHEET<br>4 of 5    |
|                                                                                       |  |                                           |  | REV<br>A6                                                                                             |                    |

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

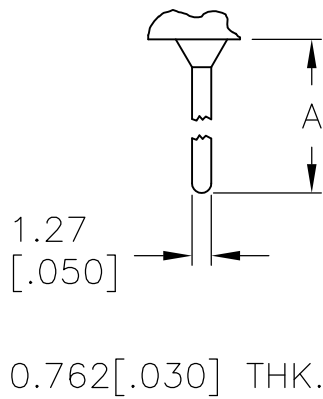
D



C PRINTED CIRCUIT

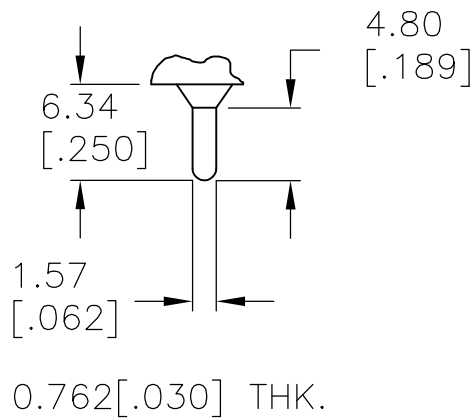


Z WIRE LUG



| OPTION | DIM A        |
|--------|--------------|
| W      | 18.69[.736]  |
| W4     | 26.97[1.062] |

W W4 WIRE WRAP



Z3 QUICK CONNECT

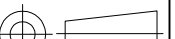
C

B

A

| MATERIALS CHART        |                           |                        |
|------------------------|---------------------------|------------------------|
| COMPONENT NAME         | BASE MATERIAL             | FINISH                 |
| CASE & BUSHING         | NYLON, RED, UL94 V-0      |                        |
| O-RING                 | PVC, BLACK                |                        |
| B TERMINALS & CONTACTS | COPPER                    | GOLD NICKEL            |
| G TERMINALS & CONTACTS | COPPER                    | GOLD OVER SILVER       |
| Q TERMINALS & CONTACTS | COPPER                    | GOLD FLASH OVER SILVER |
| ACTUATOR               | PHENOLIC, BLACK, UL94 V-1 |                        |
| ACTUATOR LEVER         | ZINC ALLOY                | NICKEL                 |
| SPRING                 | MUSIC WIRE                |                        |
| PIVOT PIN              | STEEL                     | NICKEL                 |
| MOUNTING BRACKET       | NYLON, UL94 V-1           |                        |
| ROCKER CAP             | NYLON, UL94 V-1           |                        |
| TERMINAL SEAL          | EPOXY, UL94V-0            |                        |
| MARKING                | INK, BLACK                |                        |
| SUPPORT BRACKET        | BRASS                     | TIN                    |
| RETAINER               | STAINLESS STEEL           |                        |

|                |           |
|----------------|-----------|
| AE208J50V3B004 | 1571989-8 |
| AE205J60V3B004 | 1571989-7 |
| AE205J50V3B004 | 1571989-6 |
| AE203J1AQ004   | 1571989-5 |
| AE201J2AQ204   | 1571989-4 |
| AE201J1V3B004  | 1571989-3 |
| AE201J1AV2Q004 | 1571989-2 |
| AE201J1AQ004   | 1571989-1 |
| ALCO P/N       | PART NO.  |

|                                                                                       |  |                                           |         |                                                                                                                 |  |                                                    |  |           |  |            |  |               |  |
|---------------------------------------------------------------------------------------|--|-------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|-----------|--|------------|--|---------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>M.BINNER                           | 06JAN05 | <div>TE Connectivity</div> |  |                                                    |  |           |  |            |  |               |  |
|                                                                                       |  | CHK<br>M.ZITTO                            | 06JAN05 |                                                                                                                 |  |                                                    |  |           |  |            |  |               |  |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |         | NAME                                                                                                            |  | GEMINI AE SERIES ROCKER SWITCH<br>DOUBLE POLE<br>— |  |           |  |            |  |               |  |
|  |  | APVD<br>M.ZITTO                           |         |                                                                                                                 |  |                                                    |  |           |  | 06JAN05    |  |               |  |
|                                                                                       |  | PRODUCT SPEC                              |         |                                                                                                                 |  |                                                    |  |           |  |            |  |               |  |
|                                                                                       |  | —                                         |         |                                                                                                                 |  |                                                    |  |           |  |            |  |               |  |
|                                                                                       |  | APPLICATION SPEC                          |         |                                                                                                                 |  |                                                    |  |           |  |            |  |               |  |
|                                                                                       |  | —                                         |         |                                                                                                                 |  |                                                    |  |           |  |            |  |               |  |
| MATERIAL                                                                              |  | FINISH                                    |         | WEIGHT                                                                                                          |  | SIZE                                               |  | CAGE CODE |  | DRAWING NO |  | RESTRICTED TO |  |
| —                                                                                     |  | —                                         |         | —                                                                                                               |  | A2                                                 |  | 00779     |  | C=1571989  |  | —             |  |
| CUSTOMER DRAWING                                                                      |  |                                           |         |                                                                                                                 |  | SCALE                                              |  | 2:1       |  | SHEET      |  | 5 of 5        |  |
|                                                                                       |  |                                           |         |                                                                                                                 |  |                                                    |  |           |  | REV        |  | A6            |  |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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Факс: +7 495 668-12-70 (доб.304)

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