

4

3

2

1

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REVISIONS

| P | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|---|-----|---------------------------|-----------|-----|------|
|   | A12 | REVISED PER ECO-17-001761 | 10MAY2017 | RK  | AS   |

TE LOGO

3

1

2

3

2A 250VAC

5A 120VAC

RATING

EPOXY SEAL

DATE CODE

04-YEAR

01-WEEK

AND

COUNTRY

OF ORIGIN

5

FUNCTION

ON ON

ALCO

8.89

[.350]

4.70±0.41

[.185±.016]

12.70

[.500]

6.86

[.270]

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  | ---  | 1-2  |

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           |
|                                 | 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 SWITCH IS 2A 250VAC, 5A 120VAC.

3

TE CONNECTIVITY LOGO PER PER TEC-202-36.

5

DATE CODE AND COUNTRY OF ORIGIN MAY APPEAR ON EITHER SIDE OF SWITCH.

6

PANEL MOUNT BRACKET SUPPLIED WITH TERMINALS W, Z AND Z3 ONLY.

7

ACTUATOR MARKED

8

ACTUATOR MARKED

9

ACTUATOR MARKED

10

ALL LOGO, RATING, DATE CODE, AND FUNCTION MARKINGS TO BE LASER MARKED.

11

OBSOLETE

12

GRAY ACTUATOR WITH MODIFIED BRACKET (SUPPORT BRACKET TRIMMED PARALLEL TO THE PCB)

PART NUMBER SEQUENCE CHART

| MODEL | FUNCTION | ACTUATOR | TERMINAL | CONTACT | ACTUATOR COLOR | BEZEL COLOR   | ROHS |
|-------|----------|----------|----------|---------|----------------|---------------|------|
| A1    |          |          |          |         |                |               | 04   |
|       | 01       | J1       | A        | B       | 0 BLACK (STD)  | 0 BLACK (STD) |      |
|       | 03       | J3       | AV2      | G       | 1 BROWN        | 1 BROWN       |      |
|       | 05       | J50      | C        | Q       | 2 RED          | 2 RED         |      |
|       | 07       | J51      | V3       |         | 3 ORANGE       | 3 ORANGE      |      |
|       | 08       | J52      | V4       |         | 4 YELLOW       | 4 YELLOW      |      |
|       |          | J2       | V6       |         | 5 GREEN        | 5 GREEN       |      |
|       |          | J4       | V7       |         | 6 BLUE         | 6 BLUE        |      |
|       |          | J60      | W        |         | 8 GRAY         | 8 GRAY        |      |
|       |          | J61      | W4       |         | 9 WHITE        | 9 WHITE       |      |
|       |          | J62      | Z        |         |                |               |      |
|       |          |          | Z3       |         |                |               |      |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN M.BINNER 06JAN05

CHK M.ZITTO 06JAN05

APVD M.ZITTO 06JAN05

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

DIMENSIONS: mm [INCHES]

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± 0.25[0.01]

4 PLC ± -

ANGLES ± 4°

FINISH -

TE Connectivity

GEMINI A SERIES ROCKER SWITCH SINGLE POLE

SIZE A2

CAGE CODE 00779

DRAWING NO C-1571986

RESTRICTED TO -

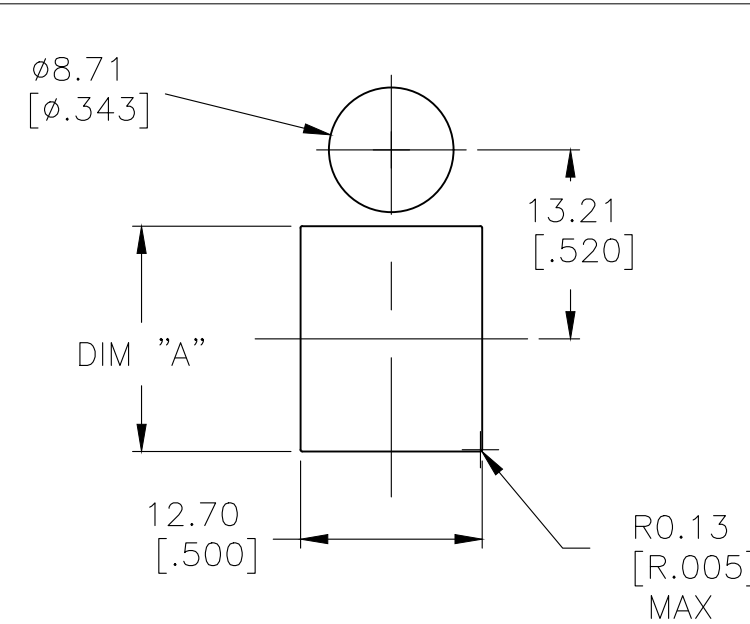
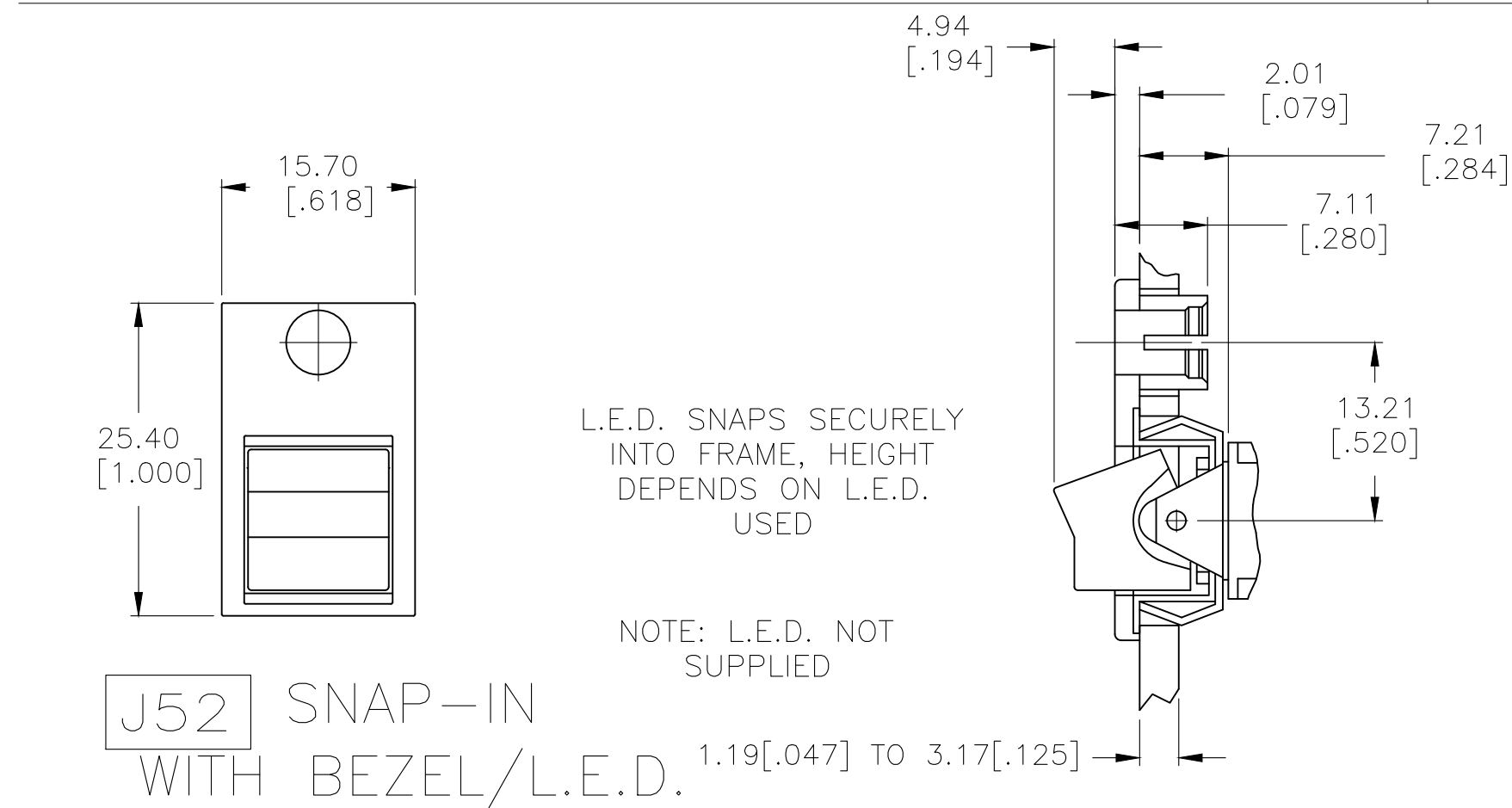
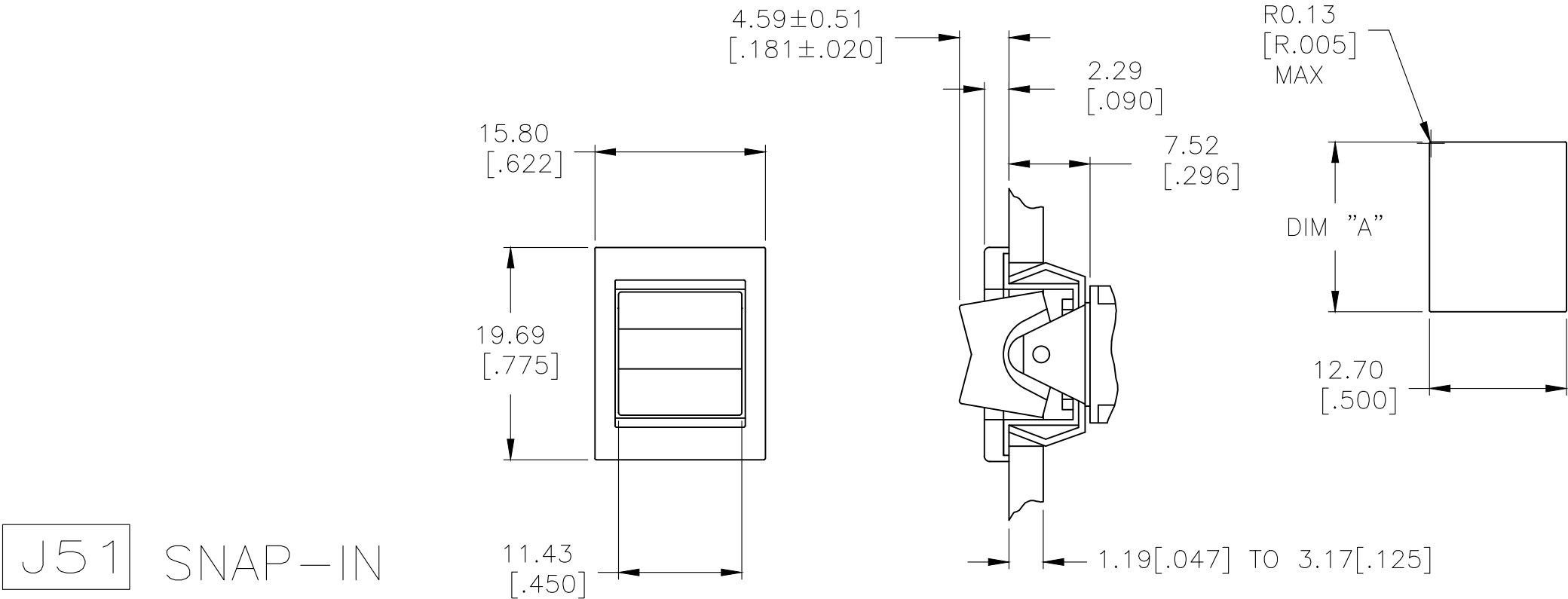
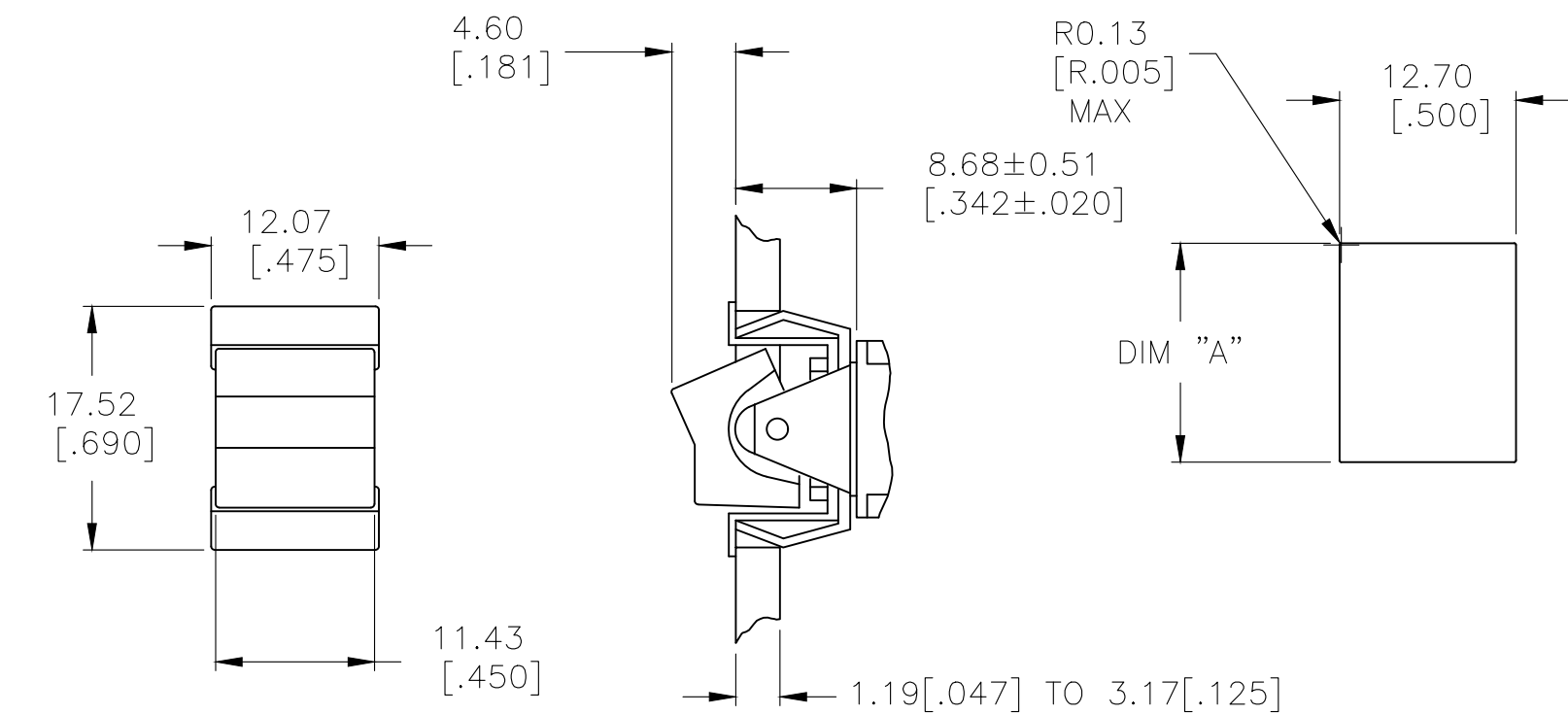
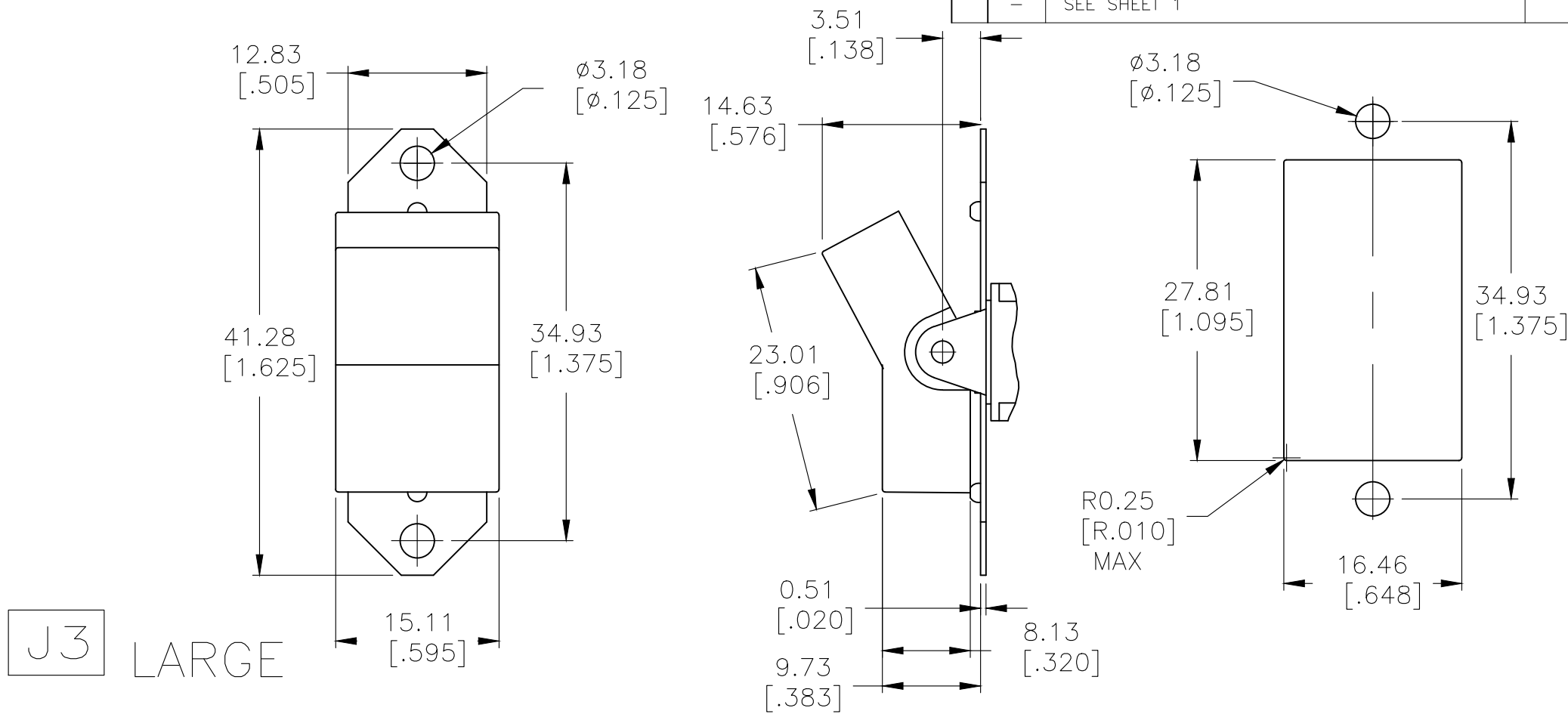
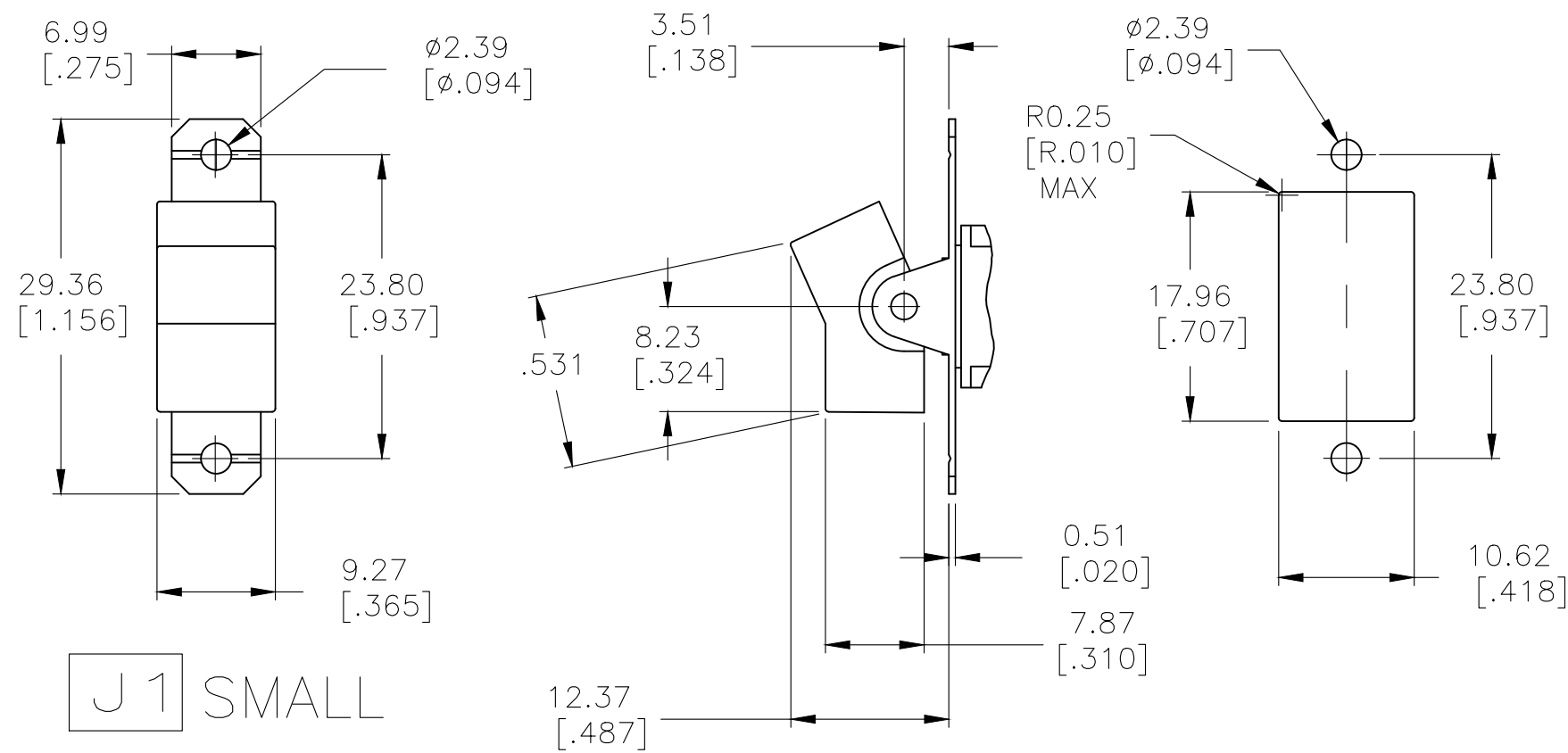
SCALE 2:1

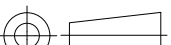
SHEET 1 OF 5

REV A12

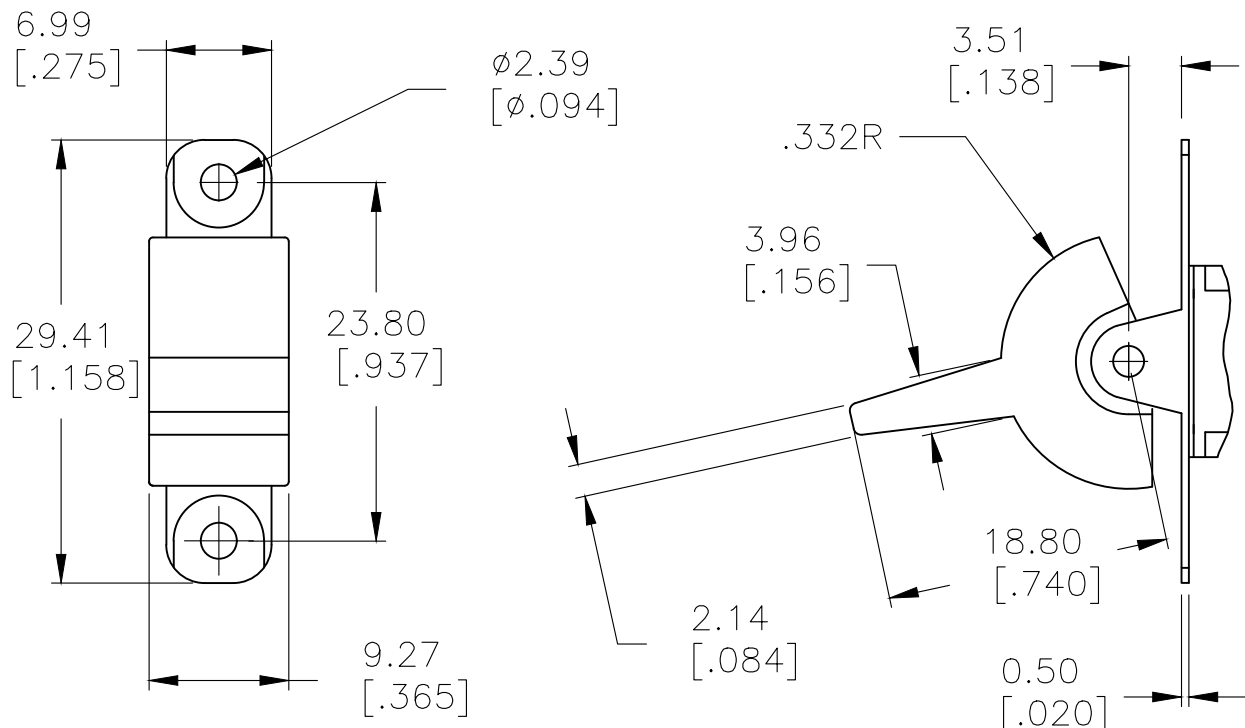
1471-9 (1/15)

| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| —         | —   | SEE SHEET 1 | —    | —   | —    |

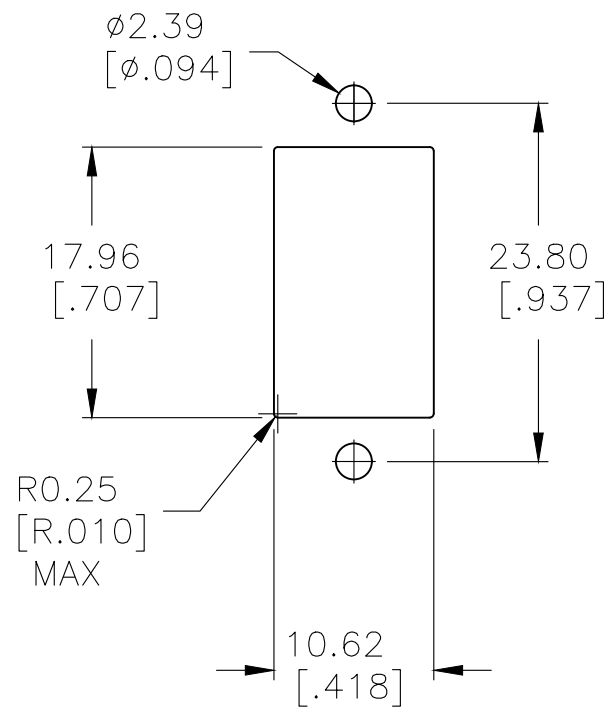


|                                                                                       |  |                                           |      |                  |         |                                                                                                       |  |     |  |         |  |            |  |               |  |
|---------------------------------------------------------------------------------------|--|-------------------------------------------|------|------------------|---------|-------------------------------------------------------------------------------------------------------|--|-----|--|---------|--|------------|--|---------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  |                                           | DWN  | M.BINNER         | 06JAN05 |  TE Connectivity |  |     |  |         |  |            |  |               |  |
|                                                                                       |  |                                           | CHK  | M.ZITTO          | 06JAN05 |                                                                                                       |  |     |  |         |  |            |  |               |  |
|                                                                                       |  |                                           | APVD | M.ZITTO          | 06JAN05 |                                                                                                       |  |     |  |         |  |            |  |               |  |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |      | PRODUCT SPEC     |         | NAME<br><br>GEMINI A SERIES ROCKER SWITCH<br>SINGLE POLE                                              |  |     |  |         |  |            |  |               |  |
|  |  | 0 PLC ± -                                 |      | —                |         |                                                                                                       |  |     |  |         |  |            |  |               |  |
|                                                                                       |  | 1 PLC ± -                                 |      | —                |         |                                                                                                       |  |     |  |         |  |            |  |               |  |
|                                                                                       |  | 2 PLC ± -                                 |      | —                |         |                                                                                                       |  |     |  |         |  |            |  |               |  |
|                                                                                       |  | 3 PLC ± 0.25[0.01]                        |      | —                |         |                                                                                                       |  |     |  |         |  |            |  |               |  |
| 4 PLC ± -                                                                             |  | —                                         |      | APPLICATION SPEC |         | SIZE                                                                                                  |  |     |  |         |  |            |  |               |  |
| ANGLES ± 4°                                                                           |  | —                                         |      | —                |         |                                                                                                       |  |     |  |         |  |            |  |               |  |
| MATERIAL                                                                              |  | FINISH                                    |      | WEIGHT           |         | —                                                                                                     |  | A2  |  | 00779   |  | DRAWING NO |  | RESTRICTED TO |  |
| —                                                                                     |  | —                                         |      | —                |         | —                                                                                                     |  | C=  |  | 1571986 |  | —          |  | —             |  |
| CUSTOMER DRAWING                                                                      |  |                                           |      |                  |         | SCALE                                                                                                 |  | 2:1 |  | SHEET   |  | 2 OF 5     |  | REV           |  |
|                                                                                       |  |                                           |      |                  |         |                                                                                                       |  |     |  |         |  |            |  | A12           |  |

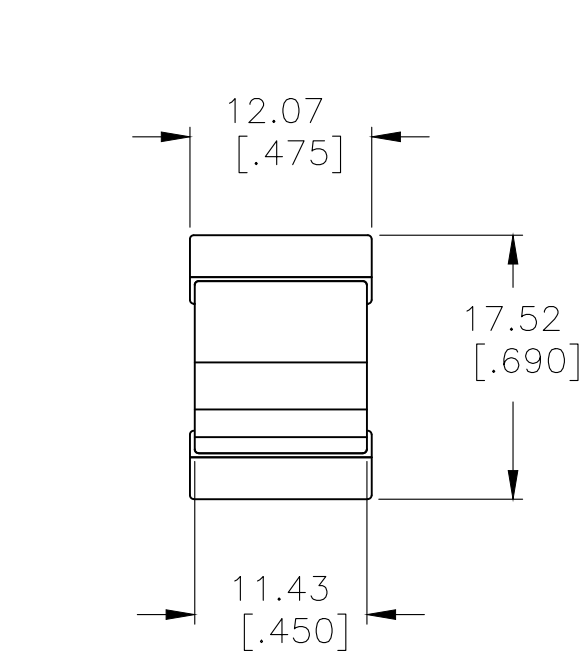
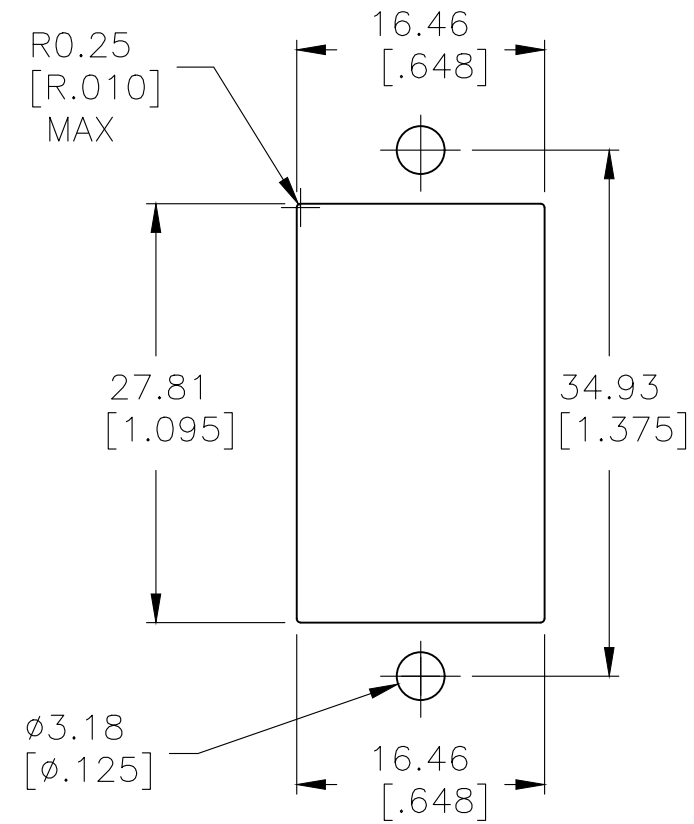
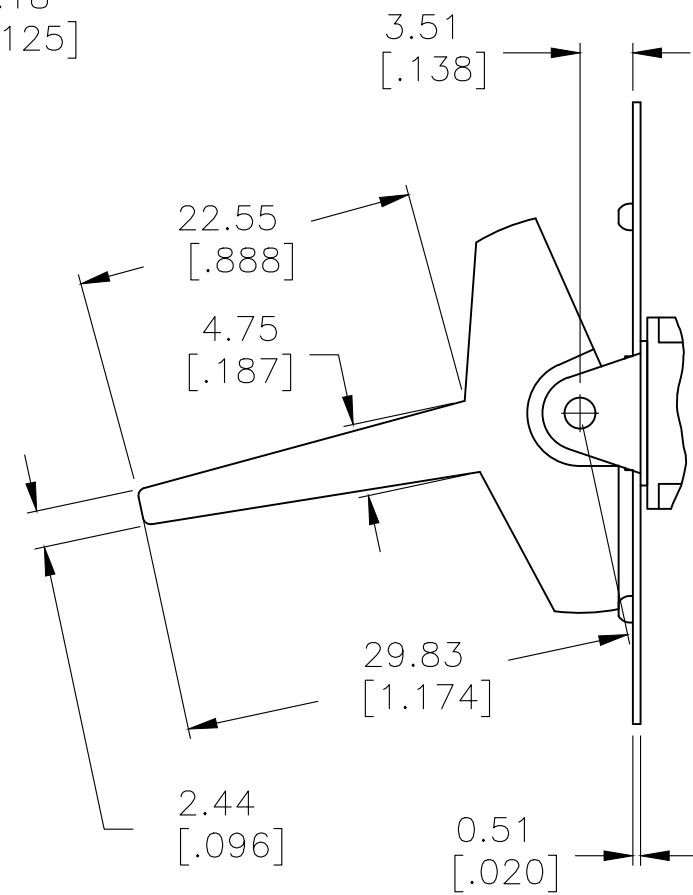
| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| —         | —   | SEE SHEET 1 | —    | —   | —    |



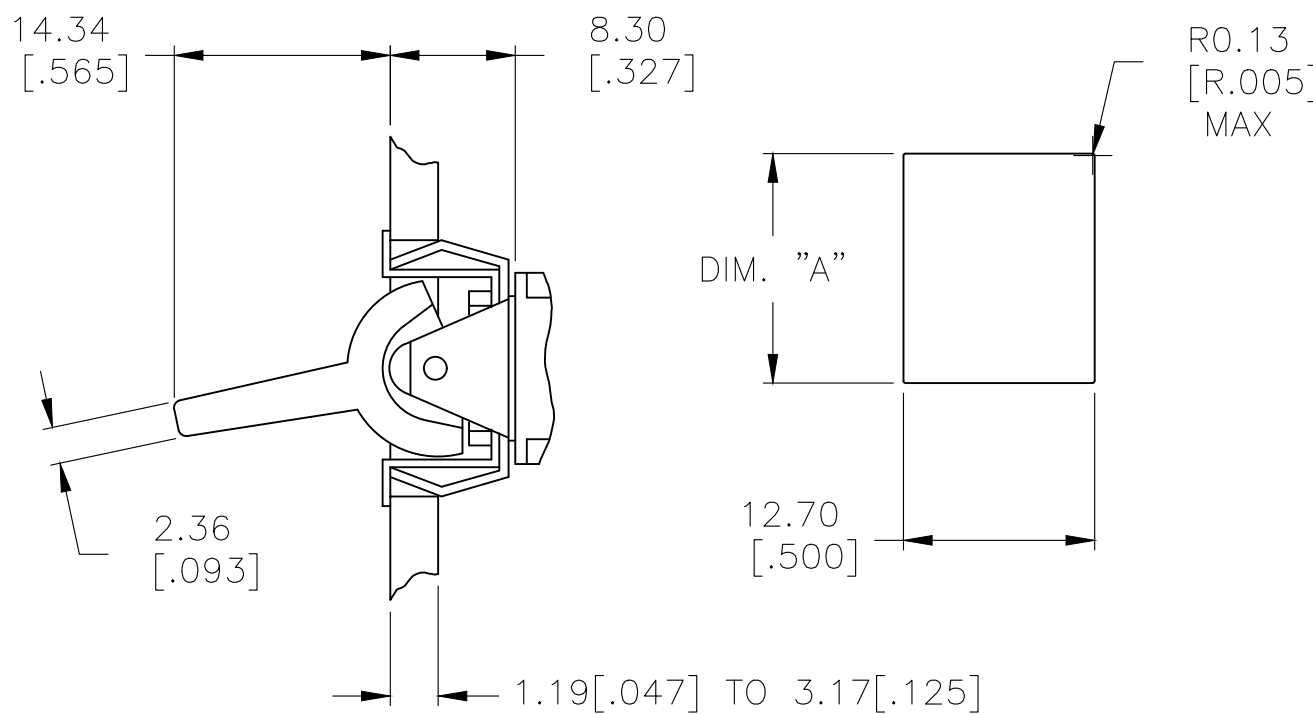
J2 SMALL



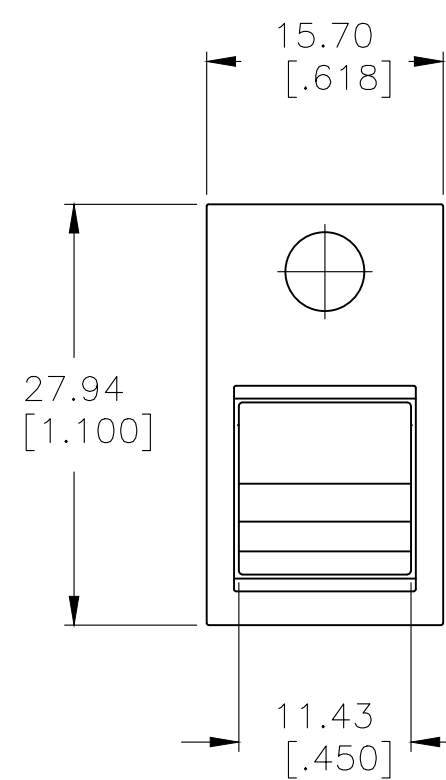
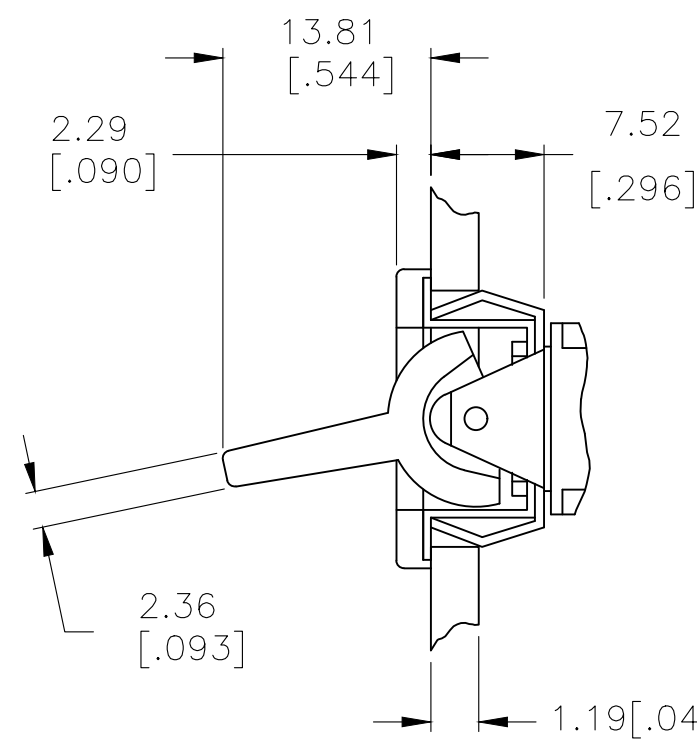
J4 LARGE



J60 SNAP-IN

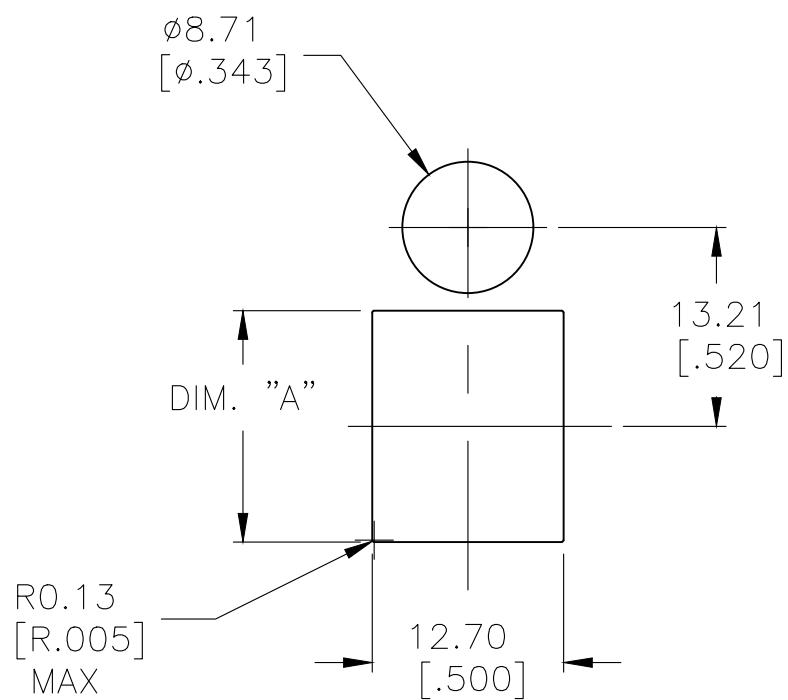


J61 SNAP-IN WITH BEZEL

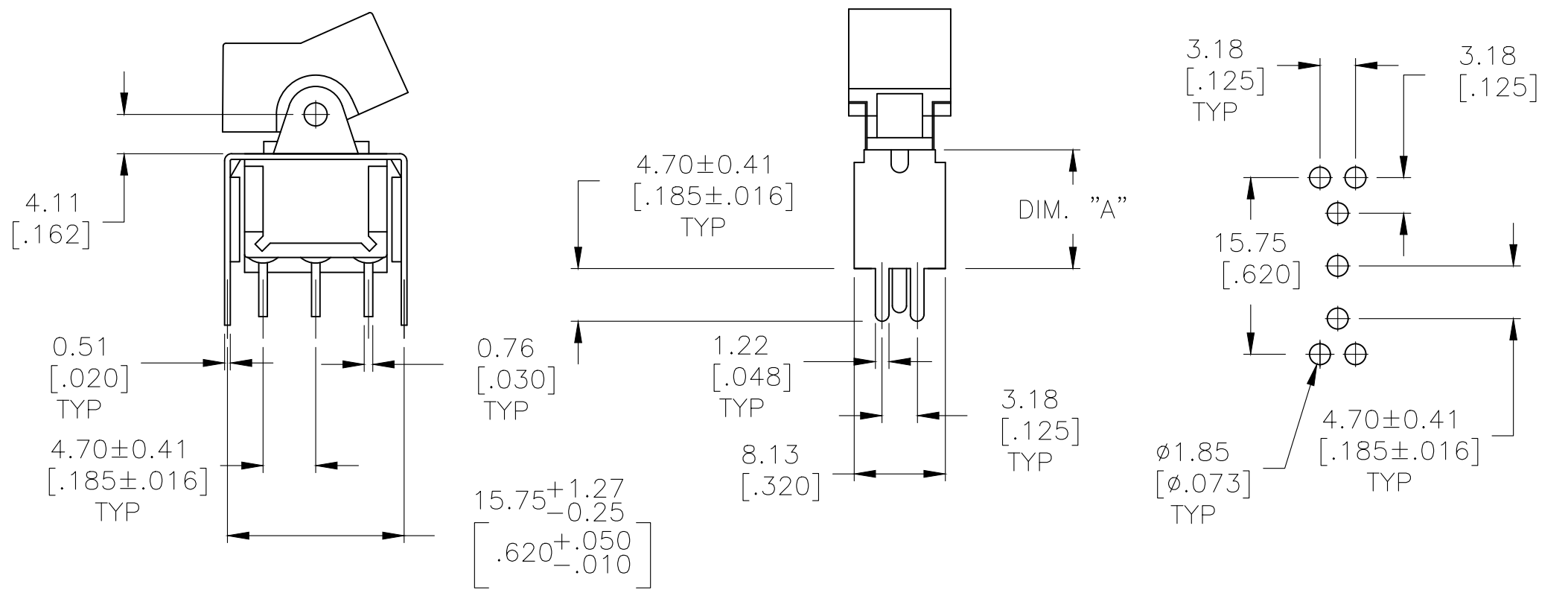


J62 SNAP-IN WITH BEZEL/L.E.D.

NOTE: L.E.D. NOT SUPPLIED

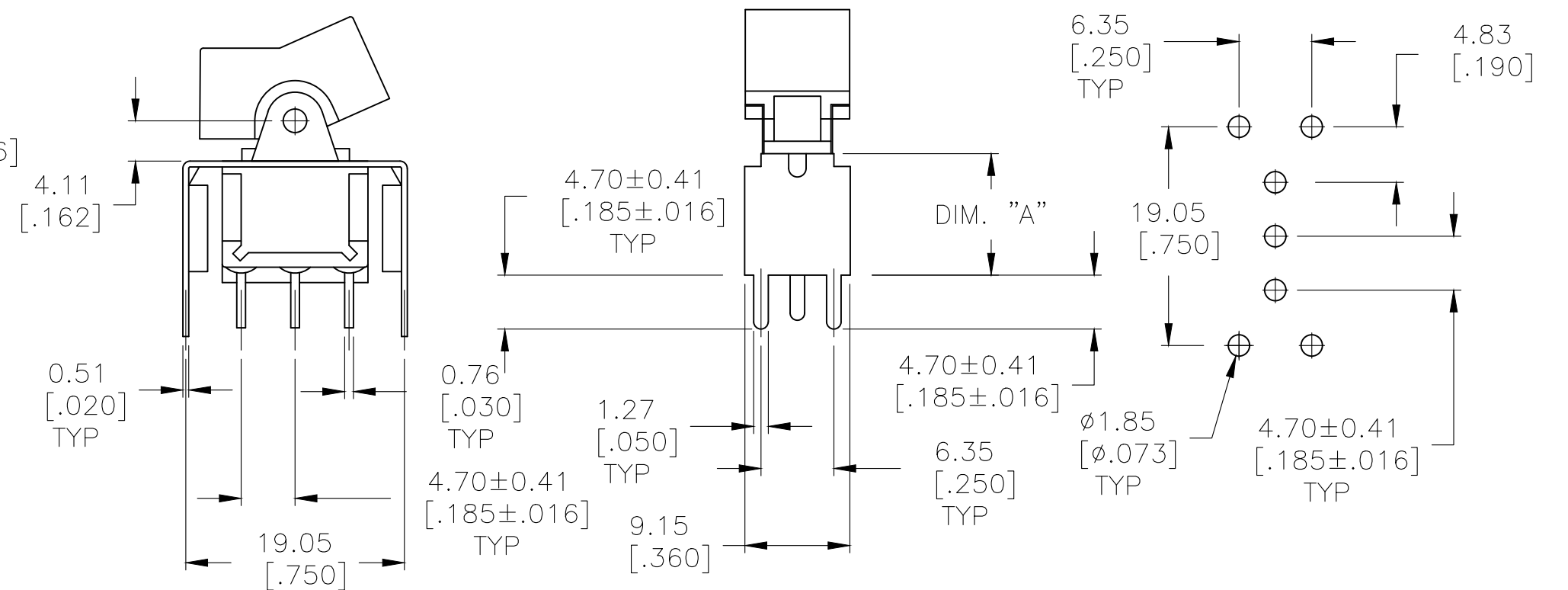


|                                                                                       |                                        |                   |         |                                                                                                       |        |
|---------------------------------------------------------------------------------------|----------------------------------------|-------------------|---------|-------------------------------------------------------------------------------------------------------|--------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                        | DWN<br>M.BINNER   | 06JAN05 |  TE Connectivity |        |
|                                                                                       |                                        | CHK<br>M.ZITTO    | 06JAN05 |                                                                                                       |        |
| DIMENSIONS:                                                                           | TOLERANCES UNLESS OTHERWISE SPECIFIED: | APVD<br>M.ZITTO   | 06JAN05 | NAME<br><br>GEMINI A SERIES ROCKER SWITCH<br>SINGLE POLE                                              |        |
| mm [INCHES]                                                                           |                                        | PRODUCT SPEC<br>— |         |                                                                                                       |        |
|  | 0 PLC ± —                              | APPLICATION SPEC  |         | SIZE<br>CAGE CODE<br>DRAWING NO<br>RESTRICTED TO                                                      |        |
|                                                                                       | 1 PLC ± —                              | —                 |         |                                                                                                       |        |
|                                                                                       | 2 PLC ± —                              |                   |         |                                                                                                       |        |
|                                                                                       | 3 PLC ± 0.25[0.01]                     |                   |         |                                                                                                       |        |
|                                                                                       | 4 PLC ± —                              |                   |         |                                                                                                       |        |
| MATERIAL                                                                              | FINISH                                 | WEIGHT            | —       | A2 00779 C=1571986 —                                                                                  |        |
| —                                                                                     | —                                      | CUSTOMER DRAWING  |         | SCALE                                                                                                 | 2:1    |
|                                                                                       |                                        |                   |         | SHEET                                                                                                 | 3 of 5 |
|                                                                                       |                                        |                   |         | REV                                                                                                   | A12    |



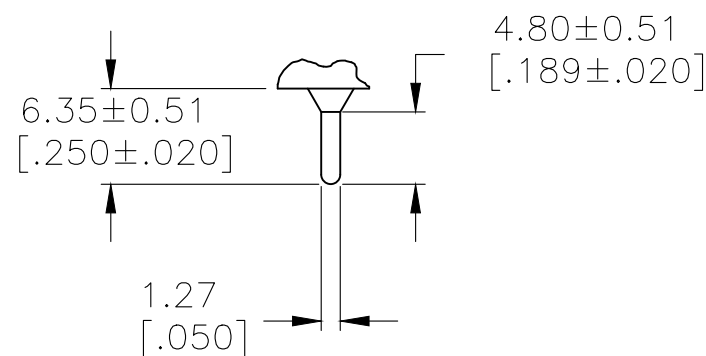
VERTICAL SUPPORT  
BRACKET

| OPTION CODE | DIM "A"     |
|-------------|-------------|
| V3          | 11.68[.460] |
| V4          | 16.00[.630] |



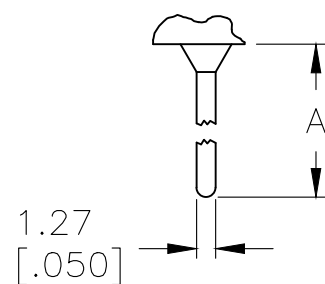
# VERTICAL SUPPORT BRACKET

| OPTION CODE | DIM "A"     |
|-------------|-------------|
| V6          | 11.68[.460] |
| V7          | 16.00[.630] |



.030 THK.

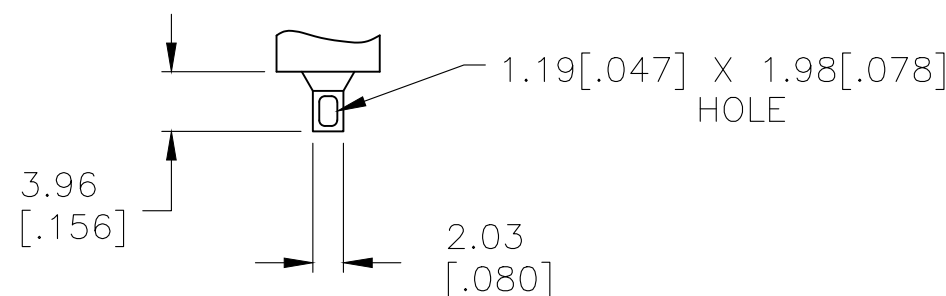
PRINTED CIRCUIT



.030 THK.

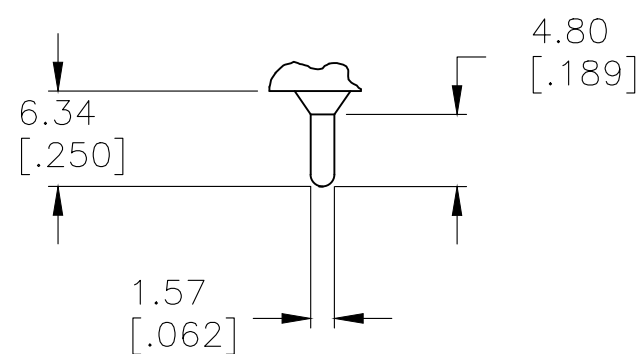
|        |              |
|--------|--------------|
| OPTION | DIM A        |
| W      | 18.69[.736]  |
| W4     | 26.97[1.062] |

W W4 WIRE WRAP



.030 THK.

Z WIRE LUG



.030 THK.

Z3 QUICK CONNECT

## MATERIALS CHART

| COMPONENT NAME           | BASE MATERIAL                                   | FINISH                 |
|--------------------------|-------------------------------------------------|------------------------|
| CASE                     | DAP, 30-40% GF, RED, UL94 V-0, COSMIC D72/6120F |                        |
| FRAME                    | 304 STAINLESS STEEL                             |                        |
| B TERMINALS & CONTACTS   | C194 COPPER                                     | GOLD OVER NICKEL       |
| G TERMINALS & CONTACTS   | C194 COPPER                                     | GOLD OVER SILVER       |
| Q TERMINALS & CONTACTS   | C194 COPPER                                     | SILVER                 |
| ACTUATOR                 | PHENOLIC, BLACK, UL94 V-1                       |                        |
| ROCKER CAP               | NYLON, BLACK, UL94 V-1, NYTEX MG-2012N          |                        |
| BUSHING & ACTUATOR LEVER | ZINC ALLOY K2                                   | .000100-.000150 NICKEL |
| SPRING                   | MUSIC WIRE                                      |                        |
| SUPPORT BRACKET          | C2680H BRASS                                    | TIN                    |
| PIVOT PIN                | STEEL                                           | NICKEL                 |
| TERMINAL SEAL            | EPOXY, UL94 V-1, BOOM HOUSE S-9001A             |                        |

|   |    |                 |             |
|---|----|-----------------|-------------|
| 1 | 1  | A105J1AV2Q004   | 5-1571986-0 |
| 1 | 1  | A105J1AQ004     | 4-1571986-9 |
| 1 | 1  | NOT ASSIGNED    | 4-1571986-8 |
| 1 | 12 | A103J1AV2Q004MB | 4-1571986-7 |
|   |    | A103J61ZQ0004   | 4-1571986-6 |
|   |    | A103J51ZQ0004   | 4-1571986-5 |
| 1 | 1  | A103J3ZQ004     | 4-1571986-4 |
| 1 | 1  | A103J2ZQ004     | 4-1571986-3 |
| 1 | 1  | A103J2CB004     | 4-1571986-2 |
|   |    | A103J1ZQ004     | 4-1571986-1 |
| 1 | 1  | A103J1V3Q004    | 4-1571986-0 |
| 1 | 1  | A103J1AV2Q004   | 3-1571986-9 |
|   |    | A103J1AV2B004   | 3-1571986-8 |
| 1 | 1  | NOT ASSIGNED    | 3-1571986-7 |
|   |    | A101J61ZQ0004   | 3-1571986-6 |
|   |    | A101J51ZQ2004   | 3-1571986-5 |
|   |    | A101J51ZQ0004   | 3-1571986-4 |
| 1 | 1  | A101J51ZB0004   | 3-1571986-3 |
| 1 | 1  | NOT ASSIGNED    | 3-1571986-2 |
|   |    | A101J51Z3Q0004  | 3-1571986-1 |
|   |    | A101J51Z3G0004  | 3-1571986-0 |
|   |    | A101J51CB0004   | 2-1571986-9 |
| 1 | 1  | A101J50ZQ004    | 2-1571986-8 |
| 1 | 1  | A101J50V3Q204   | 2-1571986-7 |
| 1 | 1  | A101J50V3Q004   | 2-1571986-6 |
| 1 | 1  | A101J50AV2Q004  | 2-1571986-5 |
| 1 | 1  | A101J4ZQ804     | 2-1571986-4 |
|   |    | A101J4ZQ004     | 2-1571986-3 |
| 1 | 1  | A101J3ZQ004     | 2-1571986-2 |
| 1 | 1  | A101J3V3Q204    | 2-1571986-1 |
|   |    | A101J2ZQ004     | 2-1571986-0 |
|   |    | A101J2VB904     | 1-1571986-9 |
| 1 | 1  | A101J2AV2Q004   | 1-1571986-8 |
|   |    | A101J1ZQ004     | 1-1571986-7 |
| 1 | 1  | A101J1ZB004     | 1-1571986-6 |
|   |    | A101J1V3Q004    | 1-1571986-5 |
|   |    | A101J1V3B004    | 1-1571986-4 |
| 1 | 1  | A101J1CQ004     | 1-1571986-3 |
|   |    | A101J1CG004     | 1-1571986-2 |
|   |    | A101J1AV2Q004   | 1-1571986-1 |
| 1 | 1  | A101J1AV2B004   | 1-1571986-0 |
|   |    | A101J1AQ204     | 1571986-9   |
|   |    | A101J1AQ004     | 1571986-8   |
|   |    | A101J1AB004     | 1571986-7   |
| 1 | 1  | NOT ASSIGNED    | 1571986-6   |
| 1 | 1  | NOT ASSIGNED    | 1571986-5   |
| 1 | 1  | NOT ASSIGNED    | 1571986-4   |
| 1 | 1  | NOT ASSIGNED    | 1571986-3   |
| 1 | 1  | NOT ASSIGNED    | 1571986-2   |
| 7 | 1  | A101J1AB004     | 1571986-1   |
|   |    | ALCO P/N        | P/N         |

|                      |   |                  |             |
|----------------------|---|------------------|-------------|
| $\uparrow\downarrow$ | 9 | A101J1AV2Q004AM9 | 7-1571986-4 |
| $\uparrow\downarrow$ | 8 | A101J1AV2Q004AM8 | 7-1571986-3 |
| $\uparrow$           | 7 | A101J1AV2Q004AM  | 7-1571986-2 |
| $\uparrow\downarrow$ |   | A108J61ZQ0004    | 7-1571986-0 |
|                      |   | A108J51ZQ0004    | 6-1571986-9 |
| $\uparrow\downarrow$ |   | A108J1ZQ004      | 6-1571986-8 |
| $\uparrow\downarrow$ |   | A108J1V3Q004     | 6-1571986-7 |
| $\uparrow\downarrow$ |   | A107J61ZQ0004    | 6-1571986-6 |
|                      |   | A107J51ZQ0004    | 6-1571986-5 |
|                      |   | A105J61ZQ0004    | 6-1571986-4 |
| $\uparrow\downarrow$ |   | A105J61ZG0004    | 6-1571986-3 |
| $\uparrow\downarrow$ |   | A105J52ZQ2004    | 6-1571986-2 |
|                      |   | A105J51ZQ0004    | 6-1571986-1 |
|                      |   | A105J4ZQ004      | 6-1571986-0 |
|                      |   | A105J3ZQ004      | 5-1571986-9 |
| $\uparrow\downarrow$ |   | A105J3CQ2004     | 5-1571986-8 |
| $\uparrow\downarrow$ |   | A105J3CQ004      | 5-1571986-7 |
|                      |   | A105J2ZQ004      | 5-1571986-6 |
| $\uparrow\downarrow$ |   | A105J2AV2Q004    | 5-1571986-5 |
| $\uparrow\downarrow$ |   | A105J2AQ004      | 5-1571986-4 |
|                      |   | A105J1ZQ004      | 5-1571986-3 |
| $\uparrow\downarrow$ |   | A105J1V3B004     | 5-1571986-2 |
| $\uparrow\downarrow$ |   | A105J1CQ004      | 5-1571986-1 |
|                      |   | ALCO P/N         | P/N         |

|                                                                                       |  |                                           |  |                  |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|-------------------------------------------|--|------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>M.BINNER                           |  | 06JAN05          |  |  TE Connectivity |  |
|                                                                                       |  | CHK<br>M.ZITTO                            |  | 06JAN05          |  |                                                                                                       |  |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | APVD<br>M.ZITTO  |  | NAME                                                                                                  |  |
|  |  | 0 PLC ± —                                 |  | PRODUCT SPEC     |  | GEMINI A SERIES ROCKER SWITCH<br>SINGLE POLE                                                          |  |
|                                                                                       |  | 1 PLC ± —                                 |  | —                |  |                                                                                                       |  |
|                                                                                       |  | 2 PLC ± —                                 |  | —                |  |                                                                                                       |  |
|                                                                                       |  | 3 PLC ± 0.25[0.01]                        |  | APPLICATION SPEC |  |                                                                                                       |  |
|                                                                                       |  | 4 PLC ± —                                 |  | —                |  | SIZE                                                                                                  |  |
|                                                                                       |  | ANGLES ± 4°                               |  | WEIGHT —         |  | CAGE CODE                                                                                             |  |
| MATERIAL                                                                              |  | FINISH                                    |  |                  |  | DRAWING NO                                                                                            |  |
| —                                                                                     |  | —                                         |  |                  |  | RESTRICTED TO                                                                                         |  |
|                                                                                       |  |                                           |  |                  |  | A2 00779                                                                                              |  |
|                                                                                       |  |                                           |  |                  |  | G-1571986                                                                                             |  |
|                                                                                       |  |                                           |  |                  |  | SCALE                                                                                                 |  |
|                                                                                       |  |                                           |  |                  |  | 2:1                                                                                                   |  |
|                                                                                       |  |                                           |  |                  |  | SHEET                                                                                                 |  |
|                                                                                       |  |                                           |  |                  |  | 5 of 5                                                                                                |  |
|                                                                                       |  |                                           |  |                  |  | REV                                                                                                   |  |
|                                                                                       |  |                                           |  |                  |  | A12                                                                                                   |  |