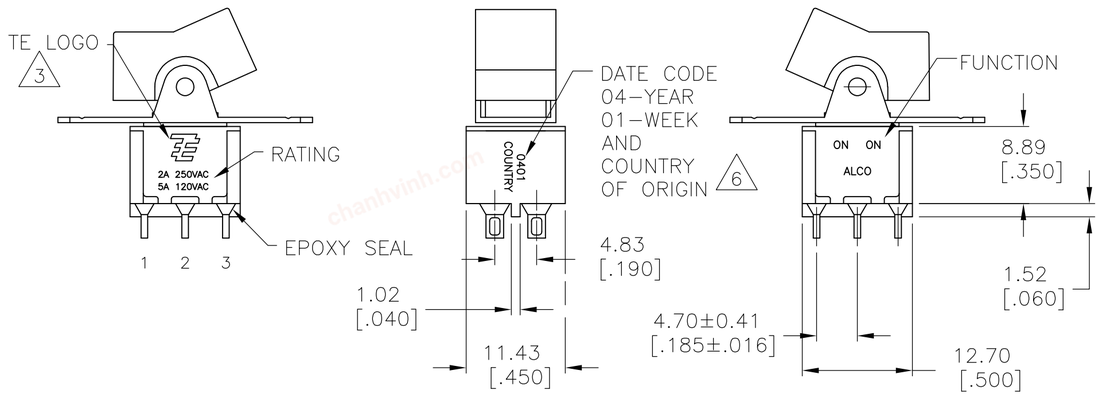
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| LOC | DIST |
|---|---|
| AD | 00 |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | A4 | REVISED PER ECO-10-009310 | 07MAY10 | HMR | MW |




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 STAMPED ON THE SWITCH IS 2A 250VAC, 5A 120VAC.

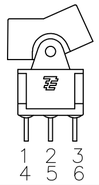
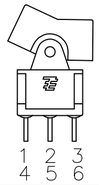
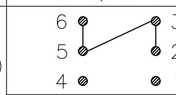
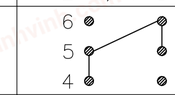
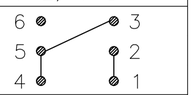
△3 TE LOGO PER PER TEC-202-36.

5 SP3T FUNCTION ACHIEVED WITH FUNCTIONS 11, 13, & 15 BY CUSTOMER APPLIED JUMPER BETWEEN TERMINALS 3 & 5.

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

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

## FUNCTION CHART

| FUNCTION |  1 2 3 / 4 5 6 |  1 2 3 / 4 5 6 |  1 2 3 / 4 5 6 |
|---|---|---|---|
| 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 (11, 13 & 15 ONLY) NOTE 5 |  |  |  |
| | 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 |
| | 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 |

## PART NUMBER SEQUENCE

| MODEL | FUNCTION | ACTUATOR | TERMINAL | CONTACT | ACTUATOR COLOR | FRAME COLOR | ROHS |
|---|---|---|---|---|---|---|---|
| A2 | | | | | | | 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 | |
| | 11 | J2 | V7 | | 5 GREEN | 5 GREEN | |
| | 13 | J4 | W | | 6 BLUE | 6 BLUE | |
| | 15 | J60 | W4 | | 8 GRAY | 8 GRAY | |
| | | J61 | Z | | 9 WHITE | 9 WHITE | |
| | | J62 | Z3 | | | | |

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DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .010
4 PLC ± -
ANGLES ± 4°

MATERIAL -
FINISH -

| | | |
|---|---|---|
| DWN | M.BINNER | 06JAN05 |
| CHK | M.ZITTO | 06JAN05 |
| APVD | M.ZITTO | 06JAN05 |
| PRODUCT SPEC | — | |
| APPLICATION SPEC | — | |
| WEIGHT | — | |

Tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME: GEMINI A SERIES ROCKER SWITCH DOUBLE POLE

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A2 | 00779 | C-1571987 | — |

| CUSTOMER DRAWING | SCALE | SHEET | REV |
|---|---|---|---|
| | 2:1 | 1 OF 5 | A4 |

1571987

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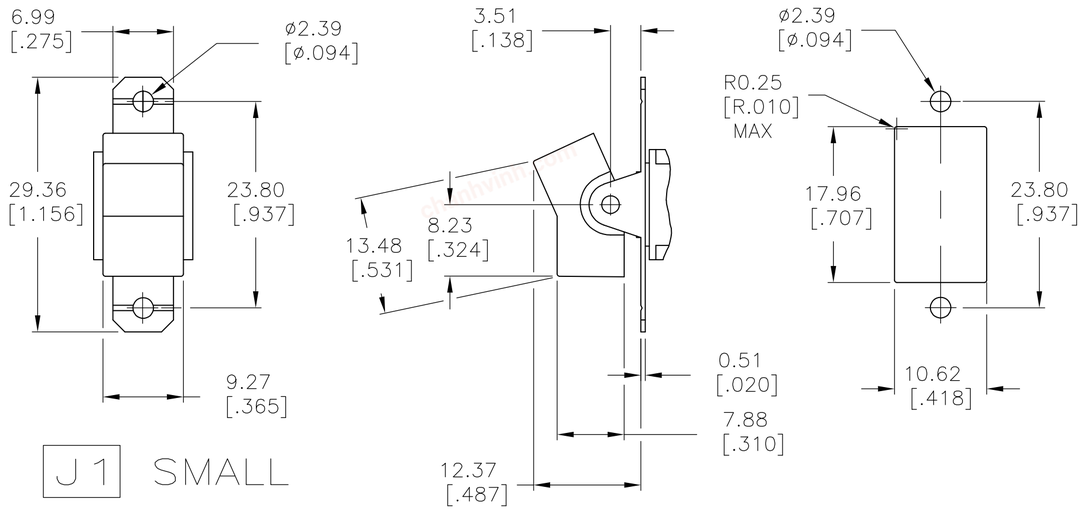
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| LOC | DIST |
|---|---|
| AD | 00 |

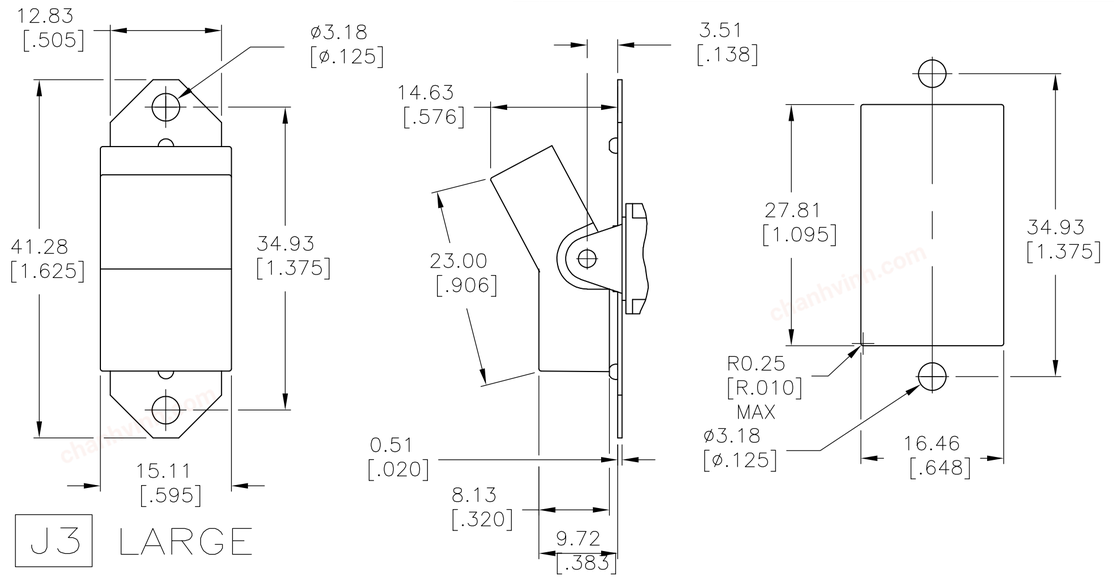
REVISIONS

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

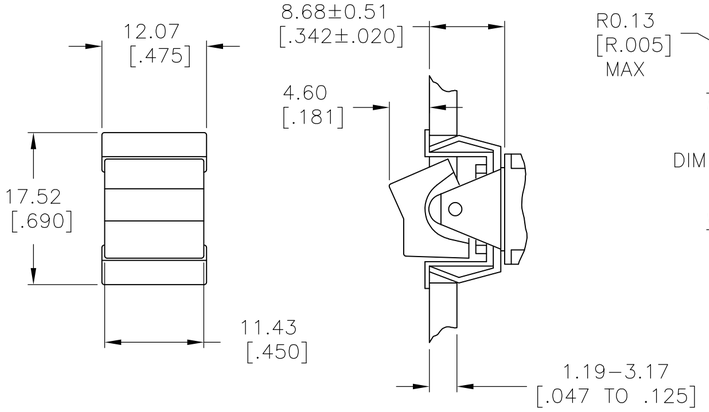
## J1 SMALL



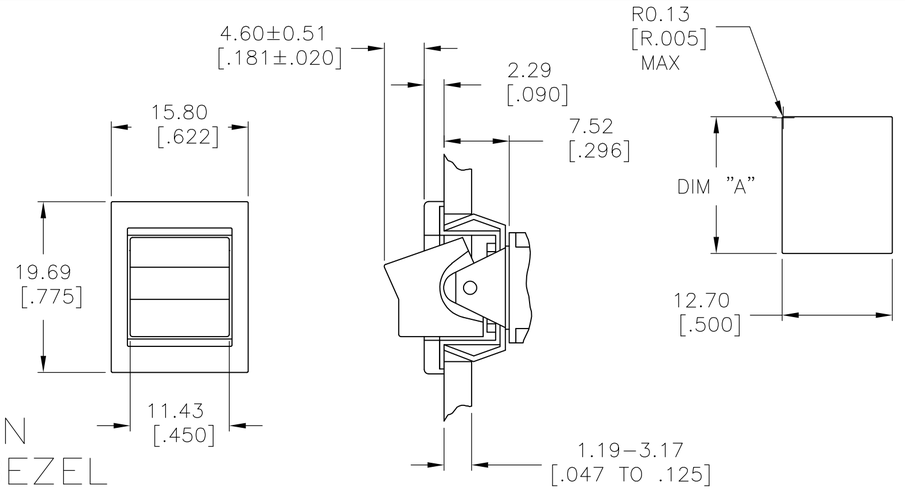

## J3 LARGE



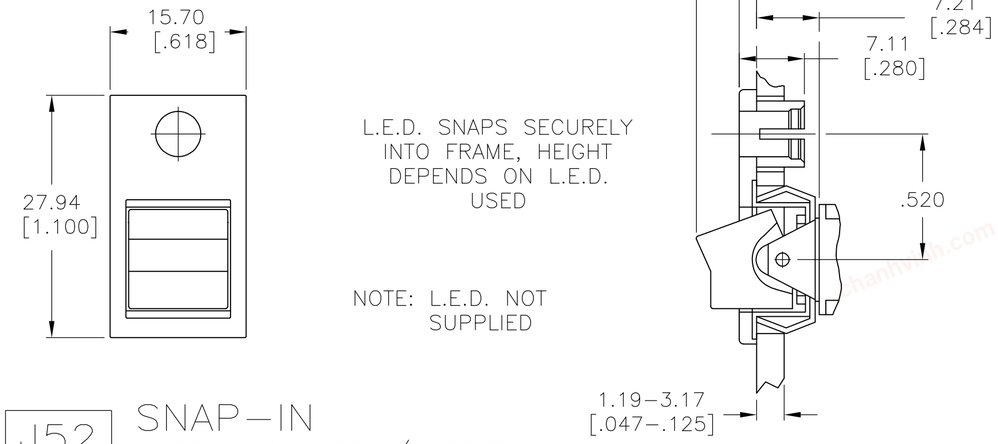

## J50 SNAP–IN




## J51 SNAP–IN WITH BEZEL




## J52 SNAP–IN WITH BEZEL/L.E.D.




| 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]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

MATERIAL –

FINISH –

| | | |
|---|---|---|
| DWN | M.BINNER | 06JAN05 |
| CHK | M.ZITTO | 06JAN05 |
| APVD | M.ZITTO | 06JAN05 |
| PRODUCT SPEC | — | |
| APPLICATION SPEC | — | |
| WEIGHT | — | |

Tyco Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
GEMINI A SERIES ROCKER SWITCH
DOUBLE POLE
–

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A2 | 00779 | C-1571987 | — |

CUSTOMER DRAWING | SCALE 2:1 | SHEET 2 OF 5 | REV A4

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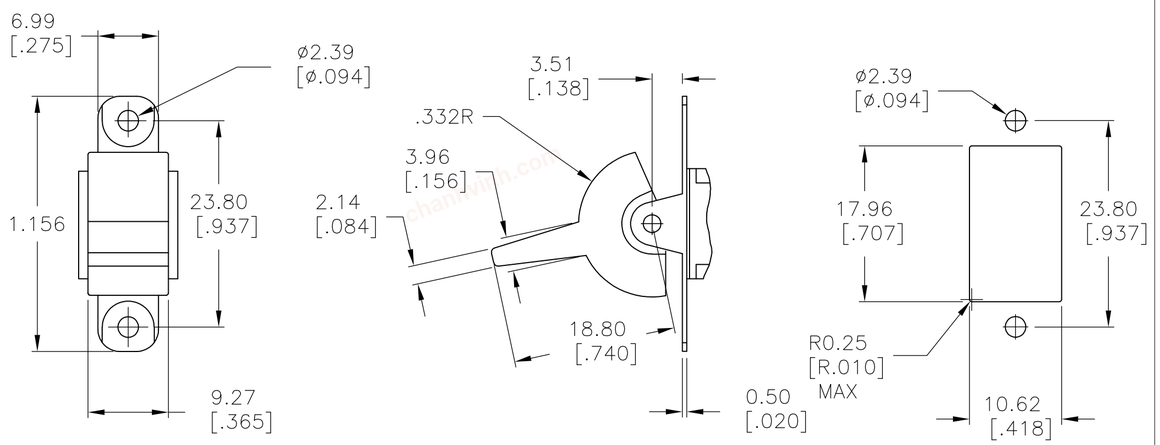
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| AD | 00 |

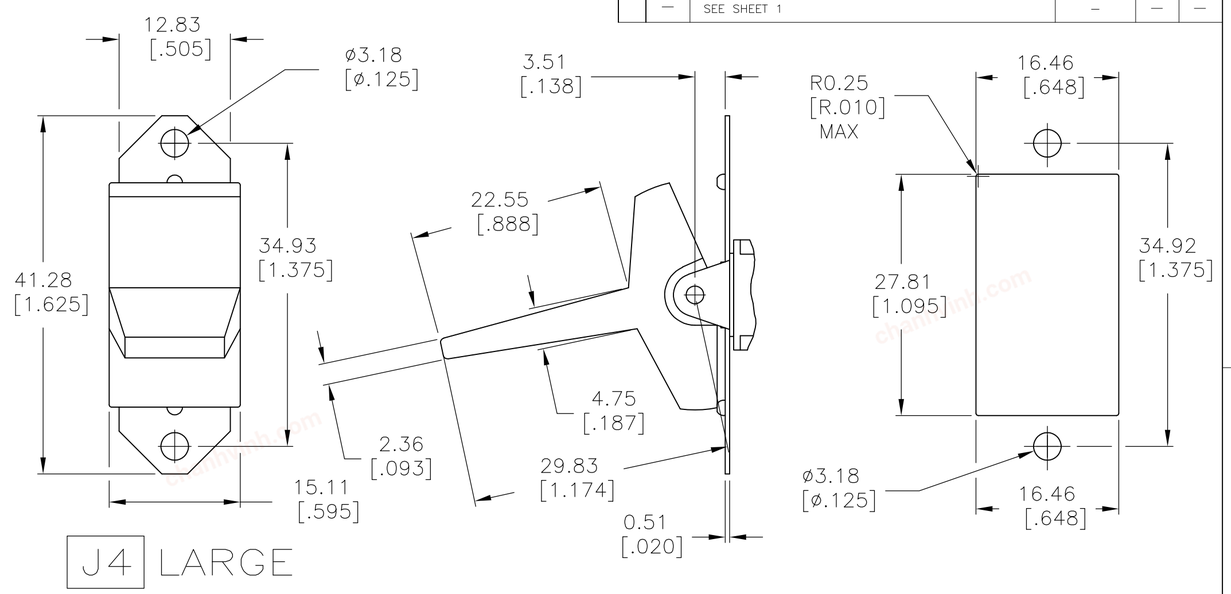
REVISIONS

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

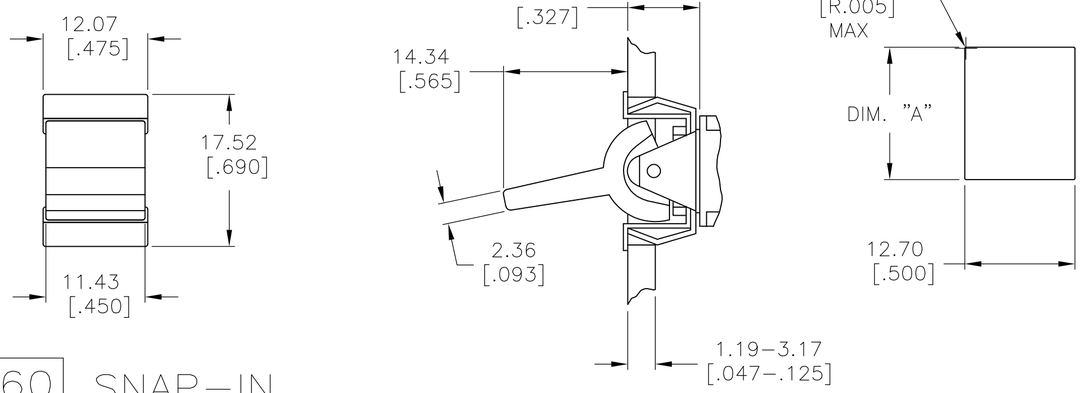
## J2 SMALL



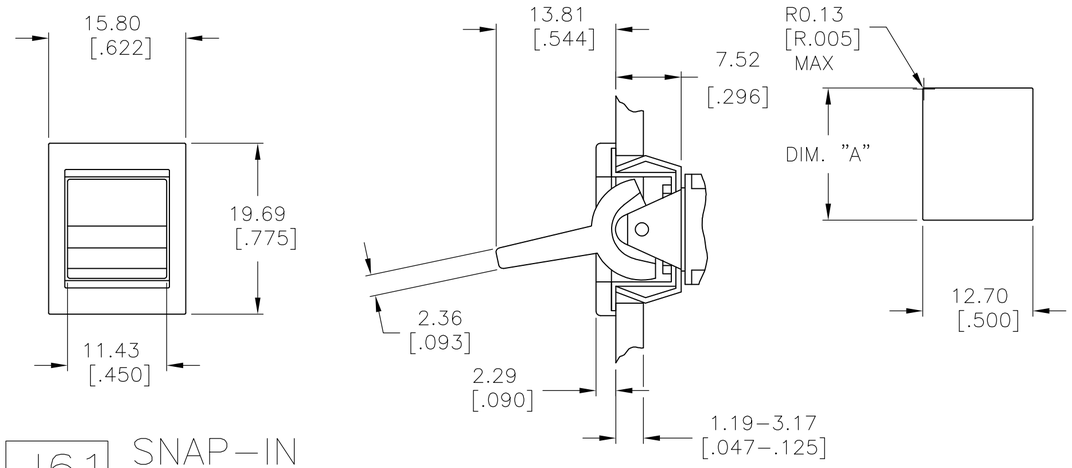

## J4 LARGE



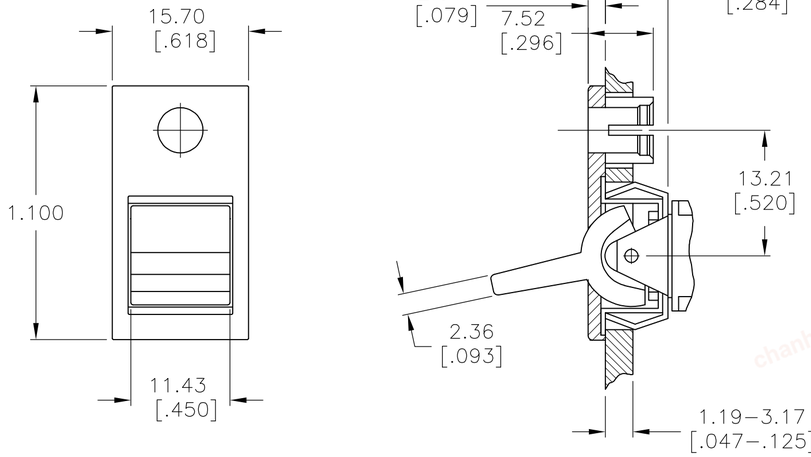

## J60 SNAP–IN




## J61 SNAP–IN WITH BEZEL




## J62 SNAP–IN WITH BEZEL/L.E.D.




NOTE: L.E.D. NOT SUPPLIED

| 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" |

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DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .010
4 PLC ± –
ANGLES ± 4°

MATERIAL –
FINISH –

| | |
|---|---|
| DWN M.BINNER | 06JAN05 |
| CHK M.ZITTO | 06JAN05 |
| APVD M.ZITTO | 06JAN05 |
| PRODUCT SPEC | — |
| APPLICATION SPEC | — |
| WEIGHT | – |

Tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105–3608

NAME: GEMINI A SERIES ROCKER SWITCH DOUBLE POLE –

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A2 | 00779 | C–1571987 | — |

CUSTOMER DRAWING | SCALE 2:1 | SHEET 3 OF 5 | REV A4

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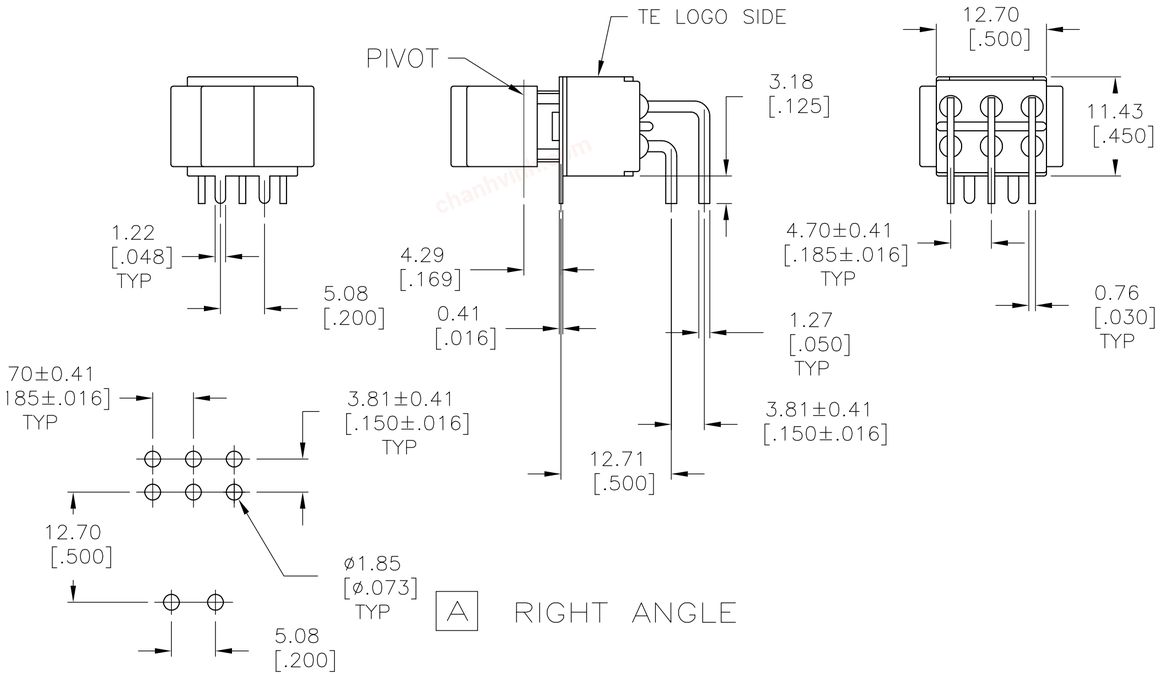
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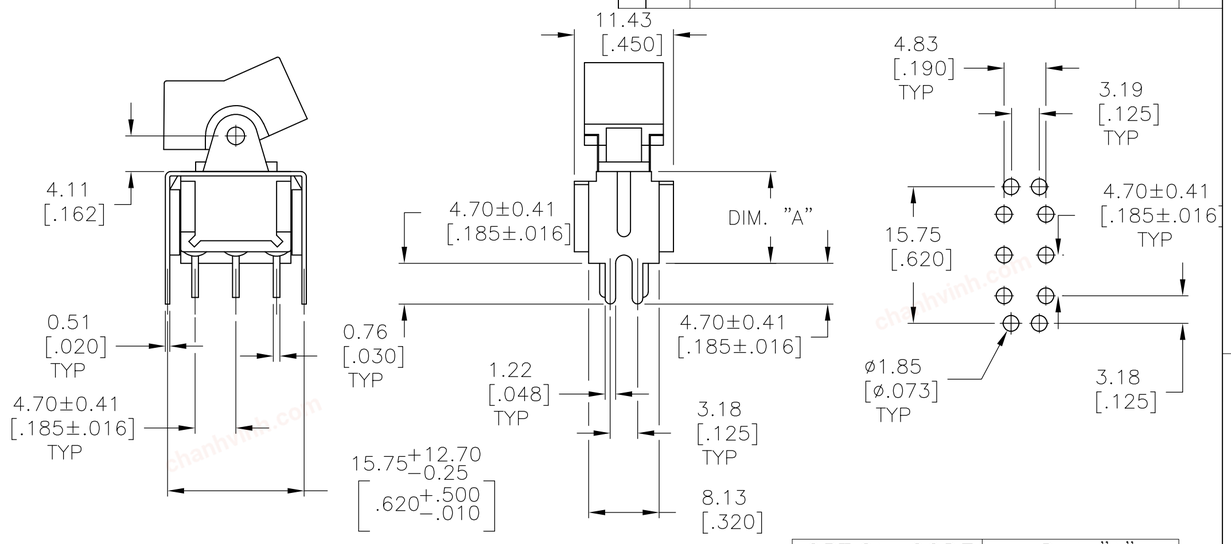
| LOC | DIST |
|---|---|
| AD | 00 |

REVISIONS

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



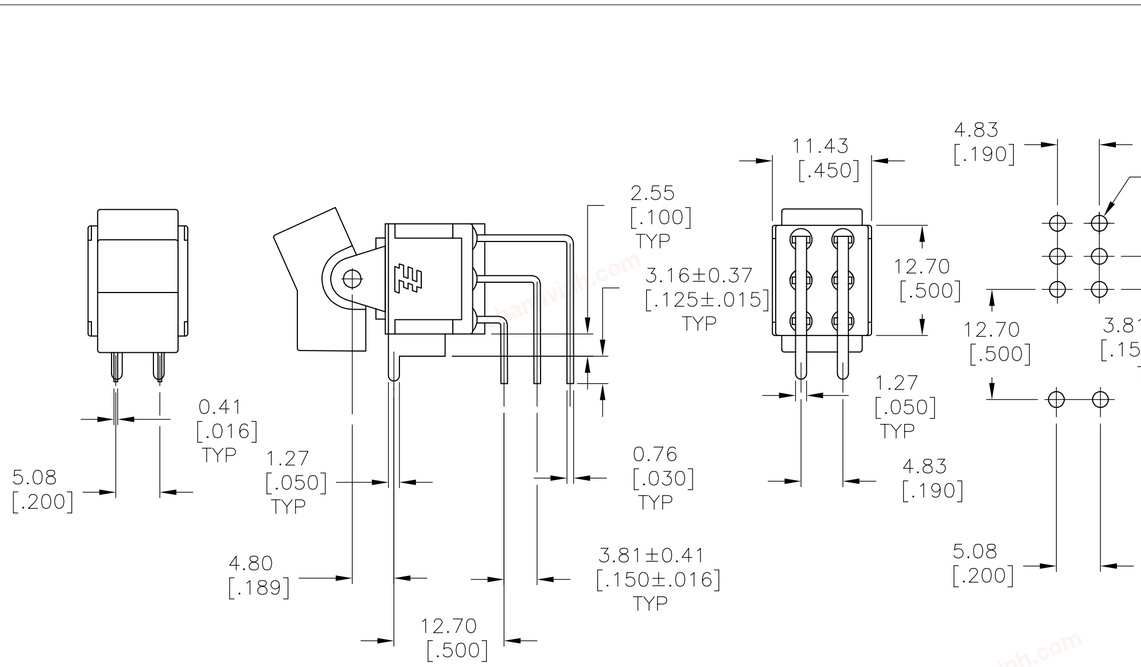

A RIGHT ANGLE



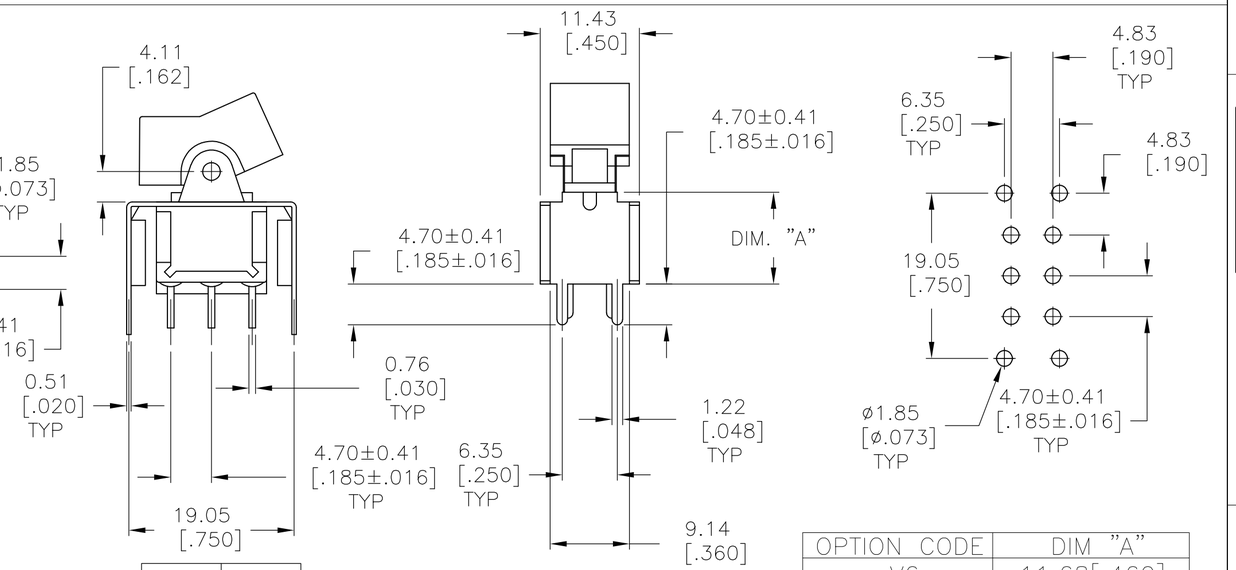

V3 | V4

VERTICAL SUPPORT BRACKET

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




AV2 VERTICAL RIGHT ANGLE




V6 | V7

VERTICAL SUPPORT BRACKET

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

1571987

| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | DWN M.BINNER 06JAN05 | Tyco Electronics | Tyco Electronics Corporation, Harrisburg, PA 17105-3608 |
| DIMENSIONS: mm [INCHES] | CHK M.ZITTO 06JAN05 | | NAME: GEMINI A SERIES ROCKER SWITCH DOUBLE POLE — |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± –; 1 PLC ± –; 2 PLC ± –; 3 PLC ± .010; 4 PLC ± –; ANGLES ± 4° | APVD M.ZITTO 06JAN05 | | SIZE A2 · CAGE CODE 00779 · DRAWING NO C-1571987 · RESTRICTED TO — |
| MATERIAL – | PRODUCT SPEC — | | |
| FINISH – | APPLICATION SPEC — | | |
| | WEIGHT — | CUSTOMER DRAWING | SCALE 2:1 · SHEET 4 OF 5 · REV A4 |

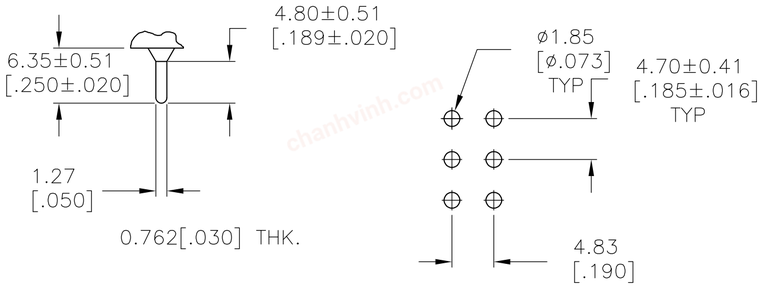
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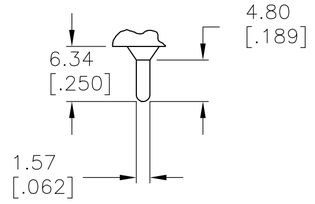
| LOC | DIST |
|---|---|
| AD | 00 |

REVISIONS

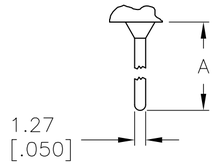
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | — | SEE SHEET 1 | – | — | — |




C PRINTED CIRCUIT

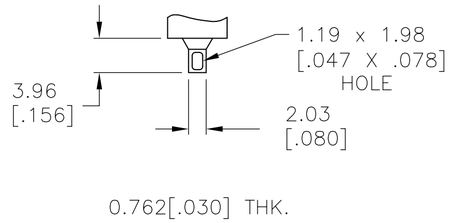



Z3 QUICK CONNECT




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

W W4 WIRE WRAP




Z WIRE LUG

## MATERIALS CHART

| COMPONENT NAME | BASE MATERIAL | FINISH |
|---|---|---|
| CASE | DAP, RED, UL94 V–0 | |
| FRAME | STAINLESS STEEL | |
| B TERMINALS & CONTACTS | COPPER | GOLD OVER NICKEL |
| G TERMINALS & CONTACTS | COPPER | GOLD OVER SILVER |
| Q TERMINALS & CONTACTS | COPPER | SILVER |
| ACTUATOR | PHENOLIC, BLACK, UL94 V–1 | |
| ROCKER CAP | NYLON, BLACK, UL94 V–1 | |
| BUSHING & ACTUATOR LEVER | ZINC ALLOY | NICKEL |
| SPRING | MUSIC WIRE | |
| SUPPORT BRACKET | BRASS | TIN |
| PIVOT PIN | STEEL | NICKEL |
| TERMINAL SEAL | EPOXY, UL94 V–1 | |

| ALCO P/N | TE P/N |
|---|---|
| A213J61ZQ0004 | 4–1571987–4 |
| A211J51ZQ0004 | 4–1571987–3 |
| A208J61ZQ0004 | 4–1571987–2 |
| A208J51ZQ0004 | 4–1571987–1 |
| A208J1V3Q004 | 4–1571987–0 |
| NOT ASSIGNED | 3–1571987–9 |
| A207J61ZQ0004 | 3–1571987–8 |
| A207J51ZQ0004 | 3–1571987–7 |
| A207J3ZQ004 | 3–1571987–6 |
| A207J1ZQ004 | 3–1571987–5 |
| A205J61ZQ0004 | 3–1571987–4 |
| A205J51ZQ0004 | 3–1571987–3 |
| A205J2ZQ004 | 3–1571987–2 |
| A205J2CQ004 | 3–1571987–1 |
| A205J1ZQ004 | 3–1571987–0 |
| A205J1AV2Q004 | 2–1571987–9 |
| NOT ASSIGNED | 2–1571987–8 |
| A203J61ZQ0004 | 2–1571987–7 |
| A203J51ZQ0004 | 2–1571987–6 |
| NOT ASSIGNED | 2–1571987–5 |
| A203J1ZQ004 | 2–1571987–4 |
| NOT ASSIGNED | 2–1571987–3 |
| A203J1CQ204 | 2–1571987–2 |
| A203J1AV2Q004 | 2–1571987–1 |
| A203J1AQ004 | 2–1571987–0 |
| A201J61ZQ0004 | 1–1571987–9 |
| A201J61Z3Q0004 | 1–1571987–8 |
| A201J51ZQ9904 | 1–1571987–7 |
| NOT ASSIGNED | 1–1571987–6 |
| A201J51ZQ0004 | 1–1571987–5 |
| A201J50ZQ004 | 1–1571987–4 |
| A201J50AV2Q804 | 1–1571987–3 |
| A201J50AV2Q004 | 1–1571987–2 |
| A201J3ZQ004 | 1–1571987–1 |
| A201J3ZB004 | 1–1571987–0 |
| A201J2ZQ004 | 1571987–9 |
| A201J2CQ004 | 1571987–8 |
| A201J1ZQ004 | 1571987–7 |
| A201J1V3Q004 | 1571987–6 |
| A201J1CQ004 | 1571987–5 |
| A201J1AV2Q004 | 1571987–4 |
| A201J1AQ204 | 1571987–3 |
| A201J1AQ004 | 1571987–2 |
| NOT ASSIGNED | 1571987–1 |

1571987

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DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .010
4 PLC ± –
ANGLES ± 4°

MATERIAL –
FINISH –

DWN M.BINNER 06JAN05
CHK M.ZITTO 06JAN05
APVD M.ZITTO 06JAN05
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

Tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105–3608

NAME
GEMINI A SERIES ROCKER SWITCH
DOUBLE POLE
–

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A2 | 00779 | C–1571987 | — |

CUSTOMER DRAWING | SCALE 2:1 | SHEET 5 OF 5 | REV A4