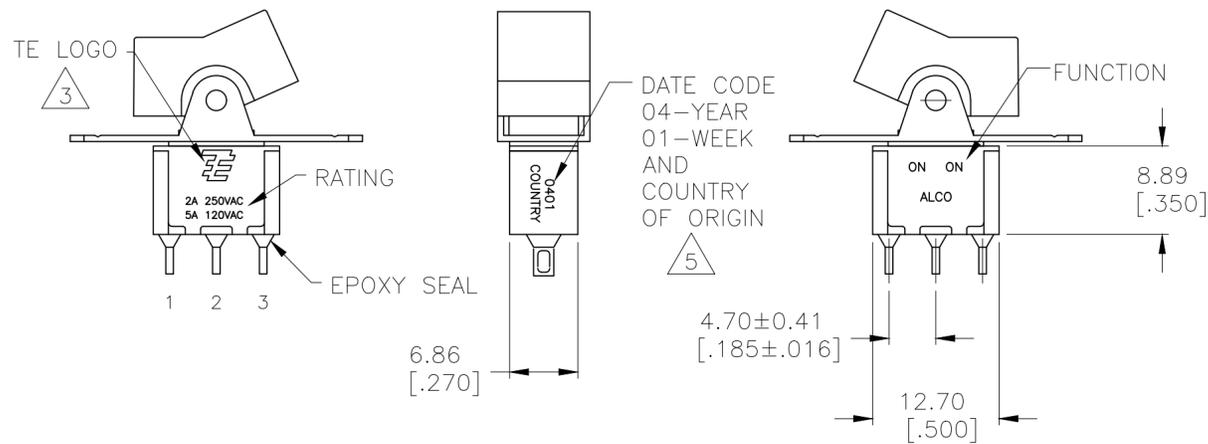


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| REVISIONS | | | | | |
|-----------|-----|---------------------------|-----------|-----|------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | A12 | REVISED PER ECO-17-001761 | 10MAY2017 | RK | AS |



- 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)

| FUNCTION CHART | | | |
|---------------------|-------|-------|-------|
| FUNCTION | | | |
| | 1 2 3 | 1 2 3 | 1 2 3 |
| 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) |
| RATING, Q CONTACTS | 2A @250 VAC (RESISTIVE) |
| | 5A @120 VAC OR 28 VDC (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 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 |

TE Connectivity

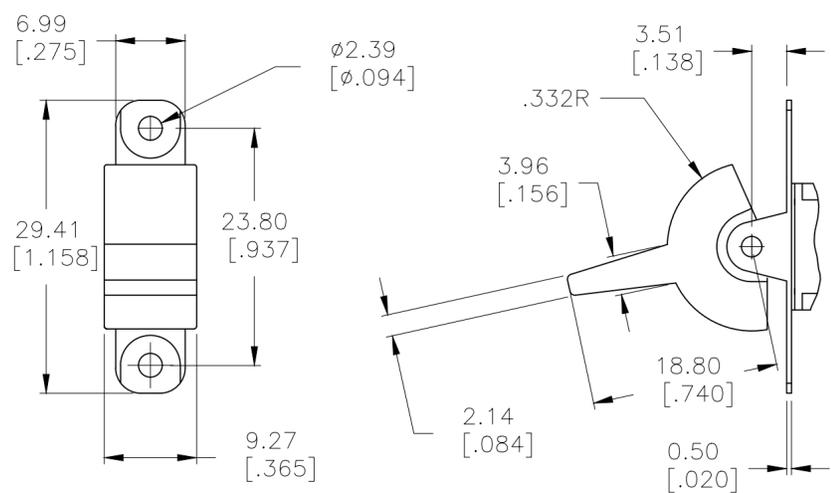
GEMINI A SERIES ROCKER SWITCH SINGLE POLE

| | | | |
|------|-----------|------------|---------------|
| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
| A2 | 00779 | C-1571986 | - |

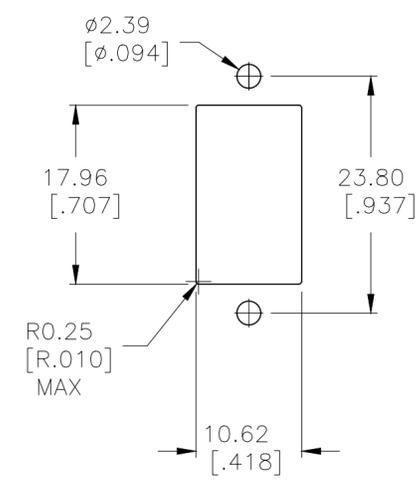
CUSTOMER DRAWING SCALE 2:1 SHEET 1 of 5 REV A12

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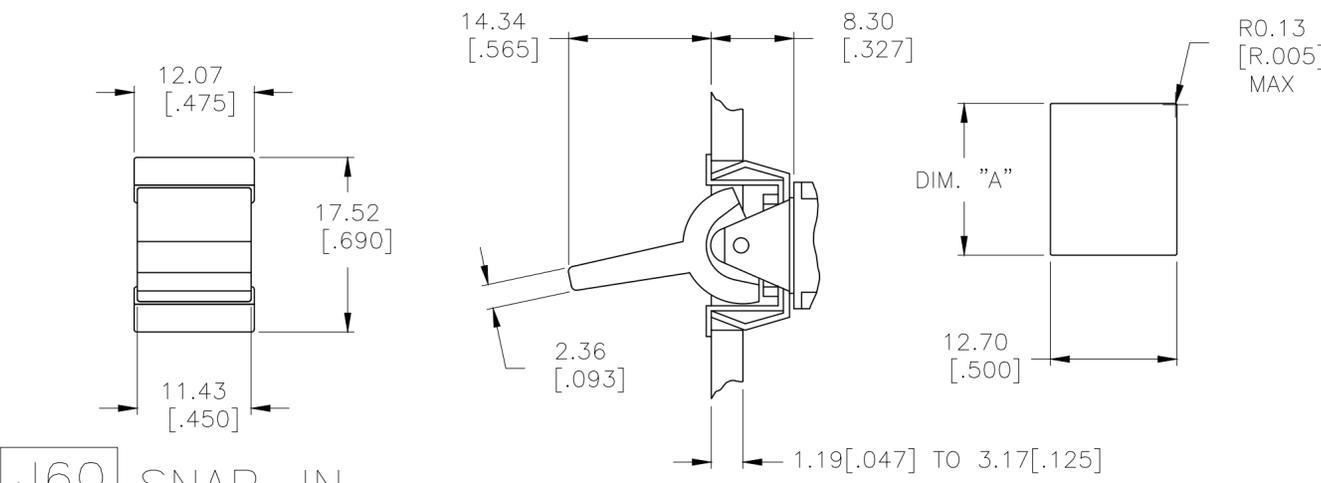
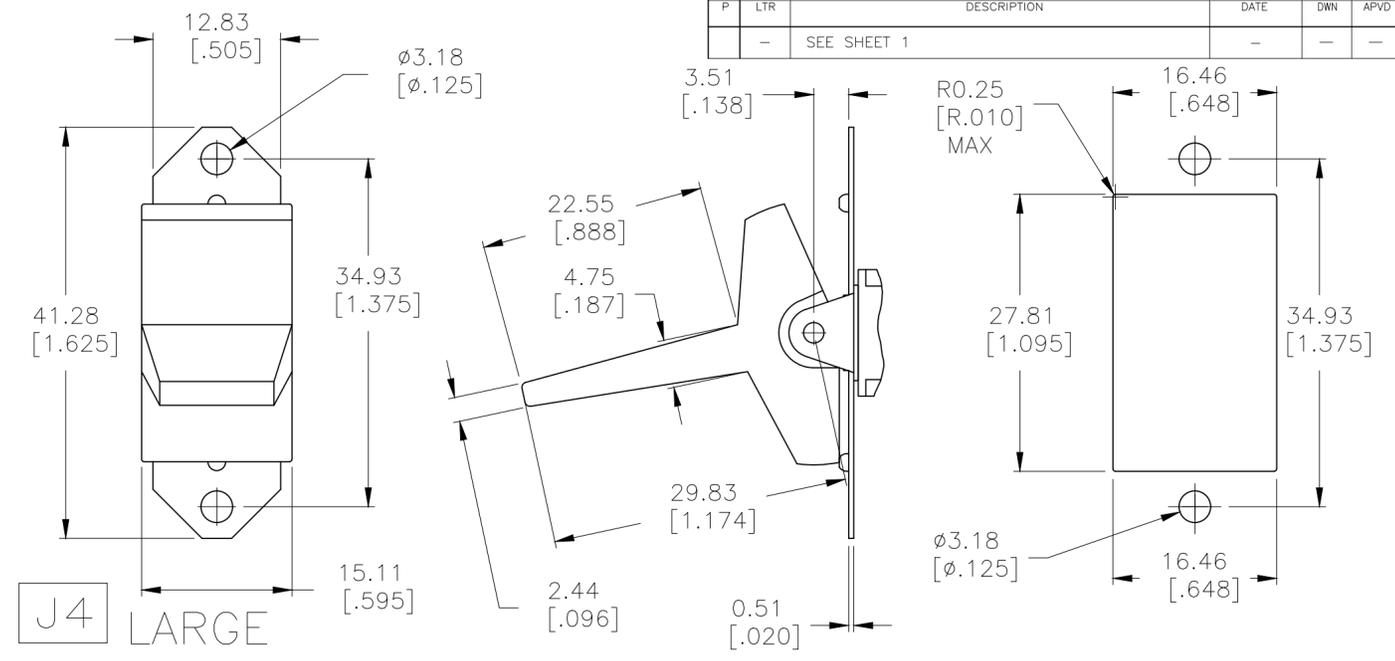
| REVISIONS | | | | |
|-----------|-----|-------------|------|------|
| P | LTR | DESCRIPTION | DATE | APVD |
| - | - | SEE SHEET 1 | - | - |



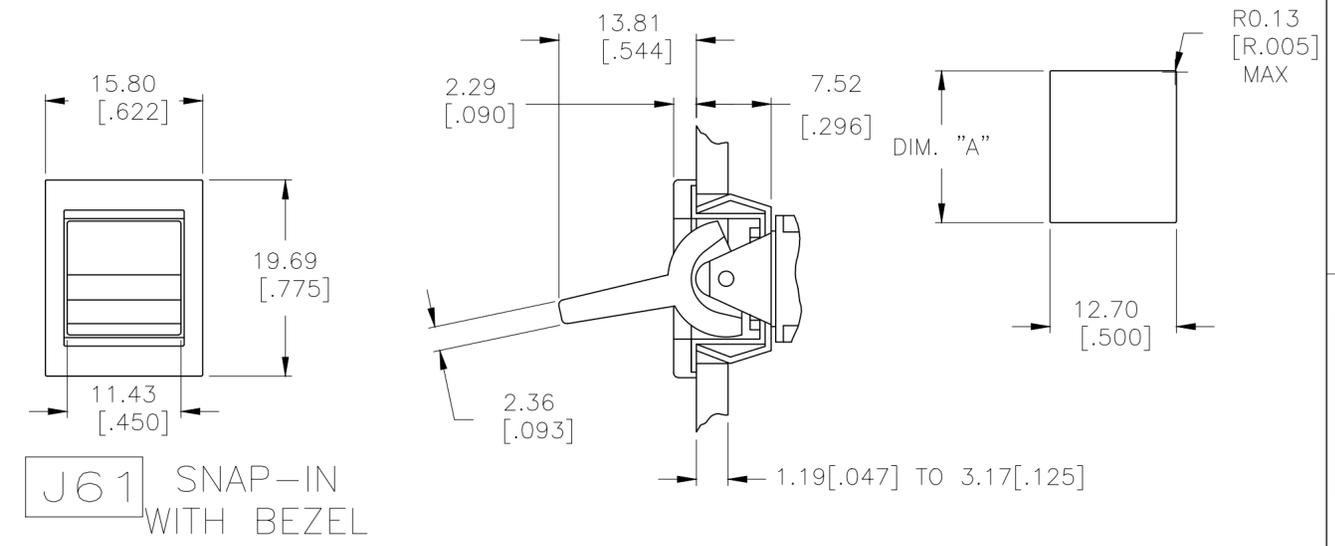
J2 SMALL



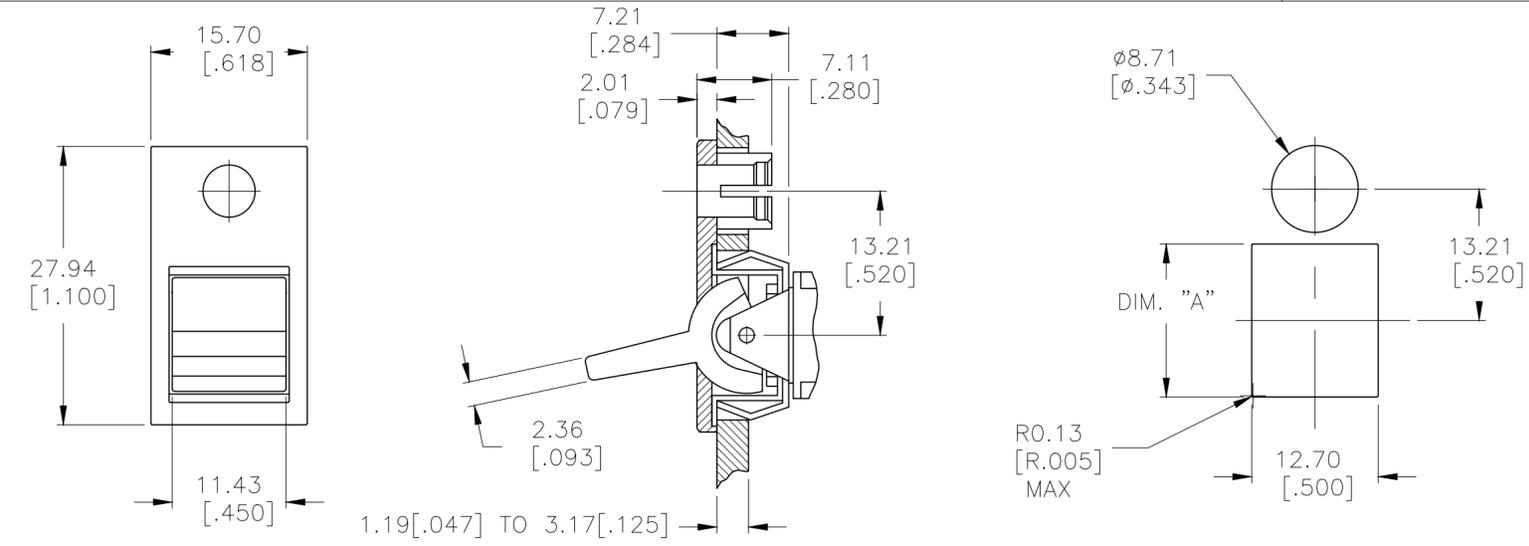
J4 LARGE



J60 SNAP-IN



J61 SNAP-IN WITH BEZEL



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

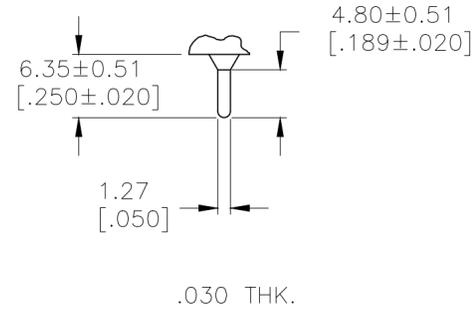
NOTE: L.E.D. NOT SUPPLIED

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

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

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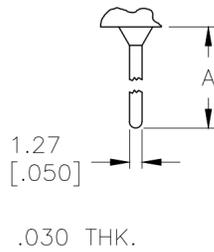
| REVISIONS | | | | | |
|-----------|-----|-------------|------|-----|------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| - | - | SEE SHEET 1 | - | - | - |



C PRINTED CIRCUIT

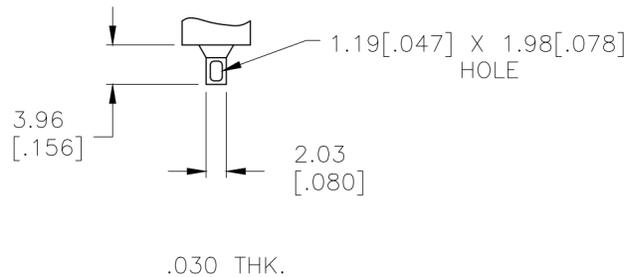
| MATERIALS CHART | | |
|--------------------------|---|------------------------|
| COMPONENT NAME | BASE MATERIAL | FINISH |
| CASE | DAP, 30-40% GF, RED, UL94 V-0, COSMIC D72/6120F | |
| FRAME | 304 STAINLESS STEEL | |
| B TERMINALS & CONTACTS | C194 COPPER | GOLD OVER NICKEL |
| G TERMINALS & CONTACTS | 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 | |

| | | |
|---|-----------------|-------------|
| △ | A105J1AV2Q004 | 5-1571986-0 |
| △ | A105J1AQ004 | 4-1571986-9 |
| △ | NOT ASSIGNED | 4-1571986-8 |
| △ | A103J1AV2Q004MB | 4-1571986-7 |
| △ | A103J61ZQ0004 | 4-1571986-6 |
| △ | A103J51ZQ0004 | 4-1571986-5 |
| △ | A103J3ZQ004 | 4-1571986-4 |
| △ | A103J2ZQ004 | 4-1571986-3 |
| △ | A103J2CB004 | 4-1571986-2 |
| △ | A103J1ZQ004 | 4-1571986-1 |
| △ | A103J1V3Q004 | 4-1571986-0 |
| △ | A103J1AV2Q004 | 3-1571986-9 |
| △ | A103J1AV2B004 | 3-1571986-8 |
| △ | NOT ASSIGNED | 3-1571986-7 |
| △ | A101J61ZQ0004 | 3-1571986-6 |
| △ | A101J51ZQ2004 | 3-1571986-5 |
| △ | A101J51ZQ0004 | 3-1571986-4 |
| △ | A101J51ZB0004 | 3-1571986-3 |
| △ | NOT ASSIGNED | 3-1571986-2 |
| △ | A101J51Z3Q0004 | 3-1571986-1 |
| △ | A101J51Z3G0004 | 3-1571986-0 |
| △ | A101J51CB0004 | 2-1571986-9 |
| △ | A101J50ZQ004 | 2-1571986-8 |
| △ | A101J50V3Q204 | 2-1571986-7 |
| △ | A101J50V3Q004 | 2-1571986-6 |
| △ | A101J50AV2Q004 | 2-1571986-5 |
| △ | A101J4ZQ804 | 2-1571986-4 |
| △ | A101J4ZQ004 | 2-1571986-3 |
| △ | A101J3ZQ004 | 2-1571986-2 |
| △ | A101J3V3Q204 | 2-1571986-1 |
| △ | A101J2ZQ004 | 2-1571986-0 |
| △ | A101J2ZB904 | 1-1571986-9 |
| △ | A101J2AV2Q004 | 1-1571986-8 |
| △ | A101J1ZQ004 | 1-1571986-7 |
| △ | A101J1ZB004 | 1-1571986-6 |
| △ | A101J1V3Q004 | 1-1571986-5 |
| △ | A101J1V3B004 | 1-1571986-4 |
| △ | A101J1CQ004 | 1-1571986-3 |
| △ | A101J1CG004 | 1-1571986-2 |
| △ | A101J1AV2Q004 | 1-1571986-1 |
| △ | A101J1AV2B004 | 1-1571986-0 |
| △ | A101J1AQ204 | 1571986-9 |
| △ | A101J1AQ004 | 1571986-8 |
| △ | A101J1AB004 | 1571986-7 |
| △ | NOT ASSIGNED | 1571986-6 |
| △ | NOT ASSIGNED | 1571986-5 |
| △ | NOT ASSIGNED | 1571986-4 |
| △ | NOT ASSIGNED | 1571986-3 |
| △ | NOT ASSIGNED | 1571986-2 |
| △ | A101J1AB004 | 1571986-1 |

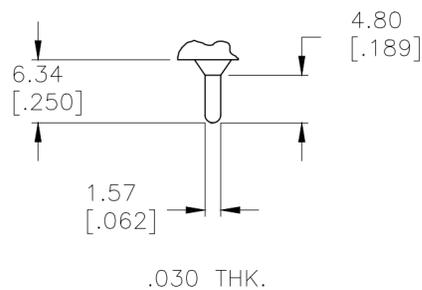


| OPTION | DIM A |
|--------|--------------|
| W | 18.69[.736] |
| W4 | 26.97[1.062] |

W **W4** WIRE WRAP



Z WIRE LUG



Z3 QUICK CONNECT

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

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

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