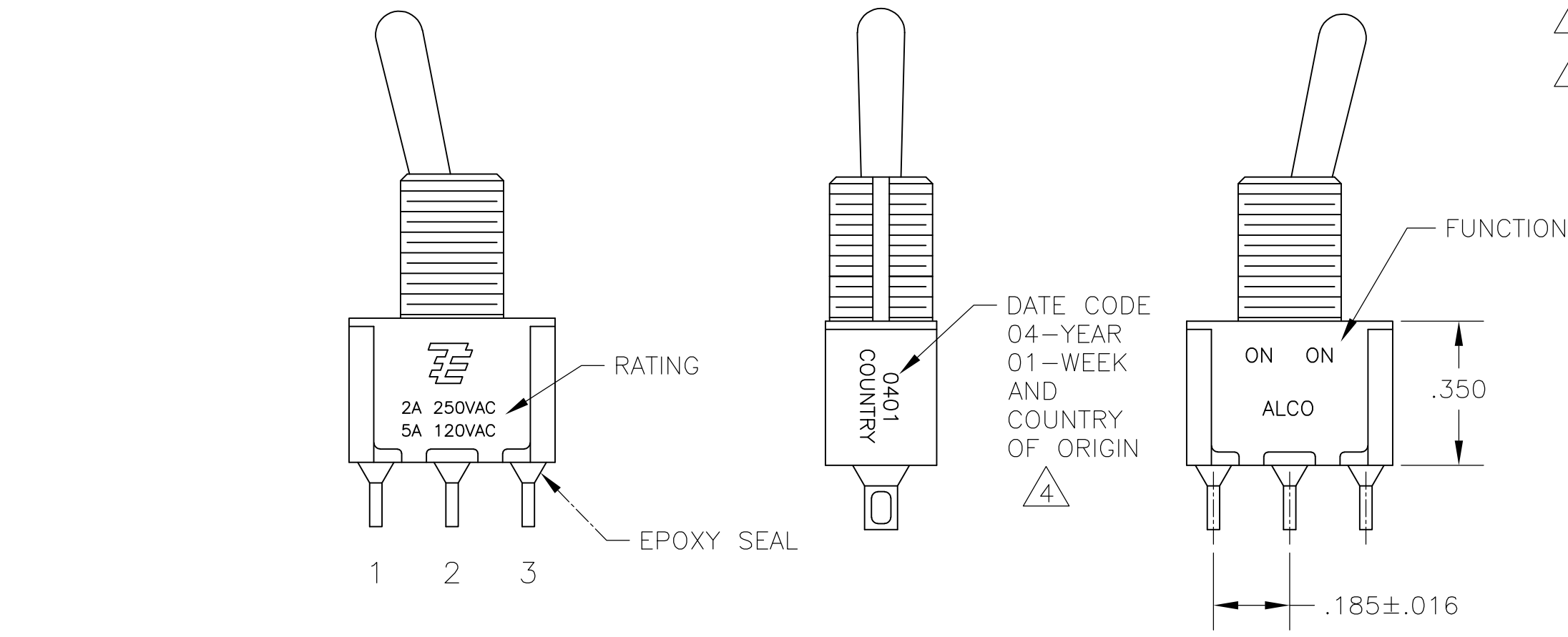
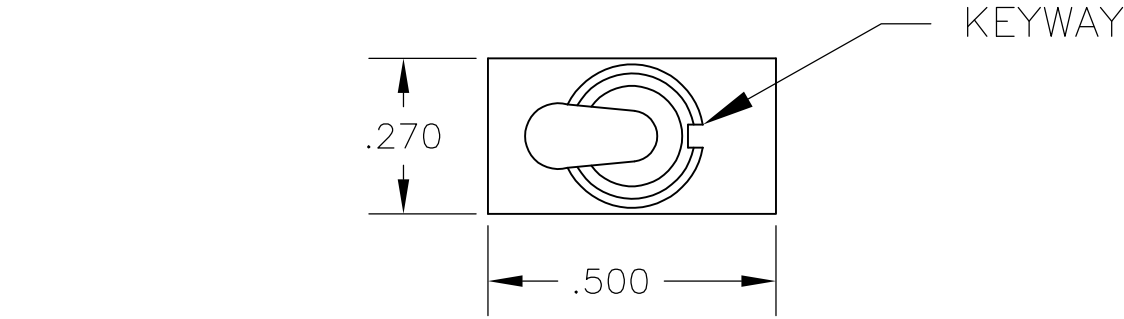




| SPECIFICATIONS CHART            |                                                                  |
|---------------------------------|------------------------------------------------------------------|
| RATING, B CONTACTS              | .4VA MAX @20V MAX. AC OR DC                                      |
| RATING, G CONTACTS—SEE NOTE 3   | .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                                                      |

| FUNCTION CHART                                                                                                   |     |      |      |
|------------------------------------------------------------------------------------------------------------------|-----|------|------|
| FUNCTION                                                                                                         |     |      |      |
| 01                                                                                                               | ON  | NONE | ON   |
| 08                                                                                                               | ON  | NONE | (ON) |
| TERMINALS CONNECTED                                                                                              | 2–3 | ---  | 1–2  |
| None: No mechanical position<br>Off: Mechanical position with no electrical connection<br>(On): Momentary action |     |      |      |

| PART NUMBER SEQUENCE CHART |          |        |         |          |         |      |
|----------------------------|----------|--------|---------|----------|---------|------|
| MODEL                      | FUNCTION | TOGGLE | BUSHING | TERMINAL | CONTACT | RoHS |
| A1                         | 01<br>08 | K      | CW      | A        | B       | 04   |
|                            |          | K1     | D       | AV2      | G       |      |
|                            |          | L      | D9      | C        | Q       |      |
|                            |          | L1     | H       | V30      |         |      |
|                            |          | L2     | Y       | V40      |         |      |
|                            |          | M      | Y9      | W        |         |      |
|                            |          | P3     |         | W4       |         |      |
|                            |          | S      |         | Z        |         |      |
|                            |          | T      |         | Z3       |         |      |
|                            |          | T1     |         |          |         |      |

EXAMPLE: A101SYCQ04

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 ± 2°

FINISH

-

DWN  
B.S.VISWESWARA

CHK  
M.ZITTO

APVD  
P.BROUILLETTE

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

14APR05

TE Connectivity

GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE, 2 POSITION FUNCTIONS (01 & 08)

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
C=1825136

RESTRICTED TO

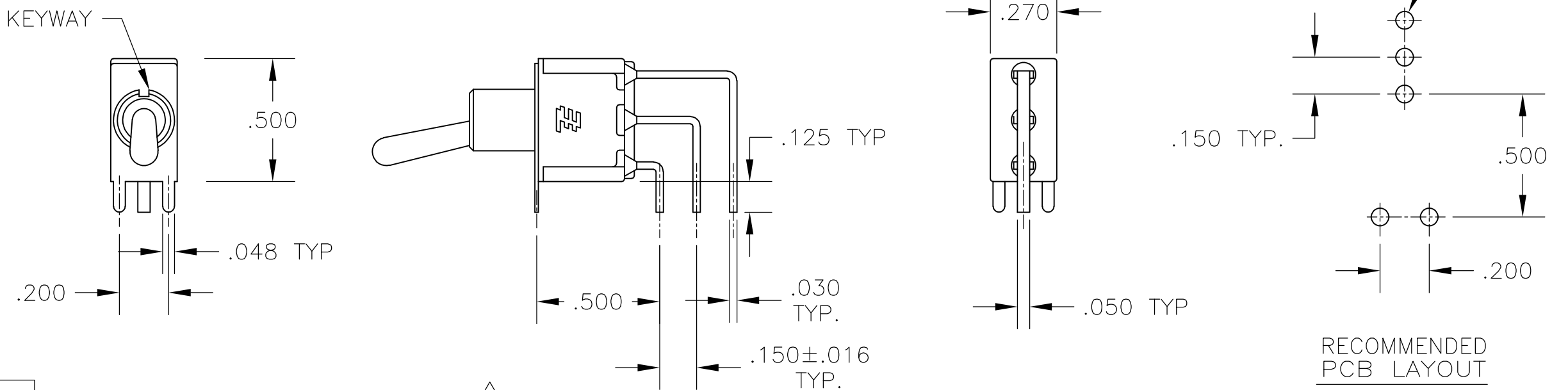
SCALE  
3:1

SHEET  
1 of 4

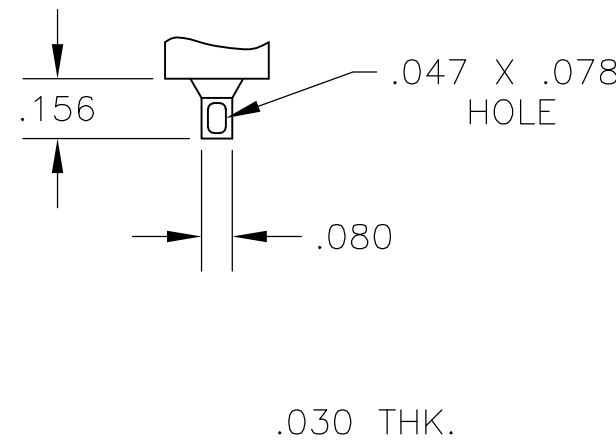
REV  
A4



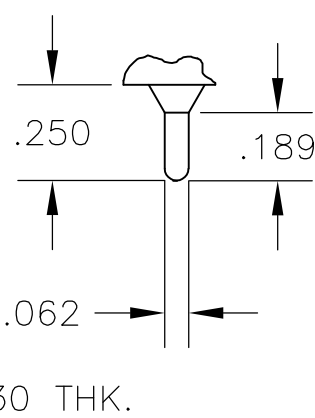
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| AD  | 00   |           | —   | SEE SHEET 1 | —    | —   | —    |



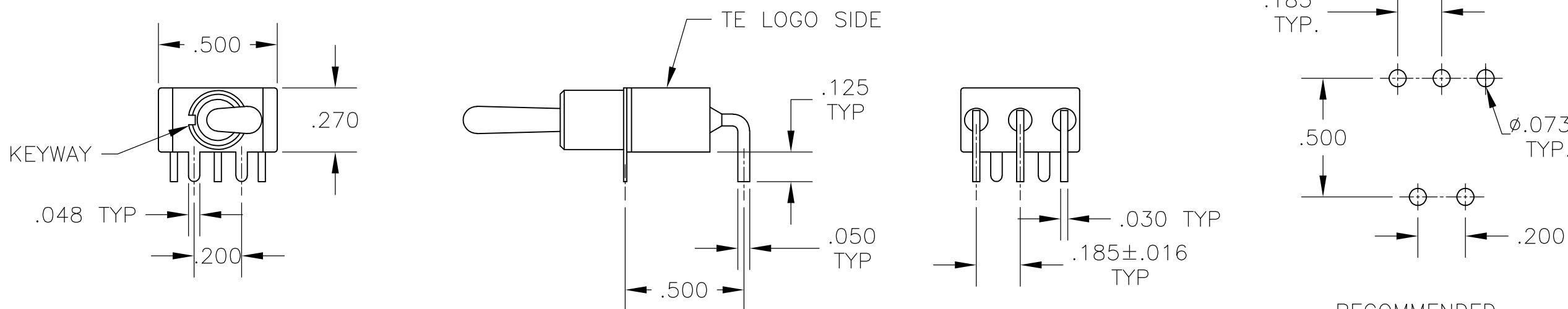
AV2 VERTICAL RIGHT ANGLE



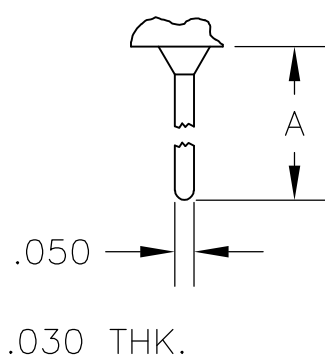
Z WIRE LUG



Z3 QUICK CONNECT

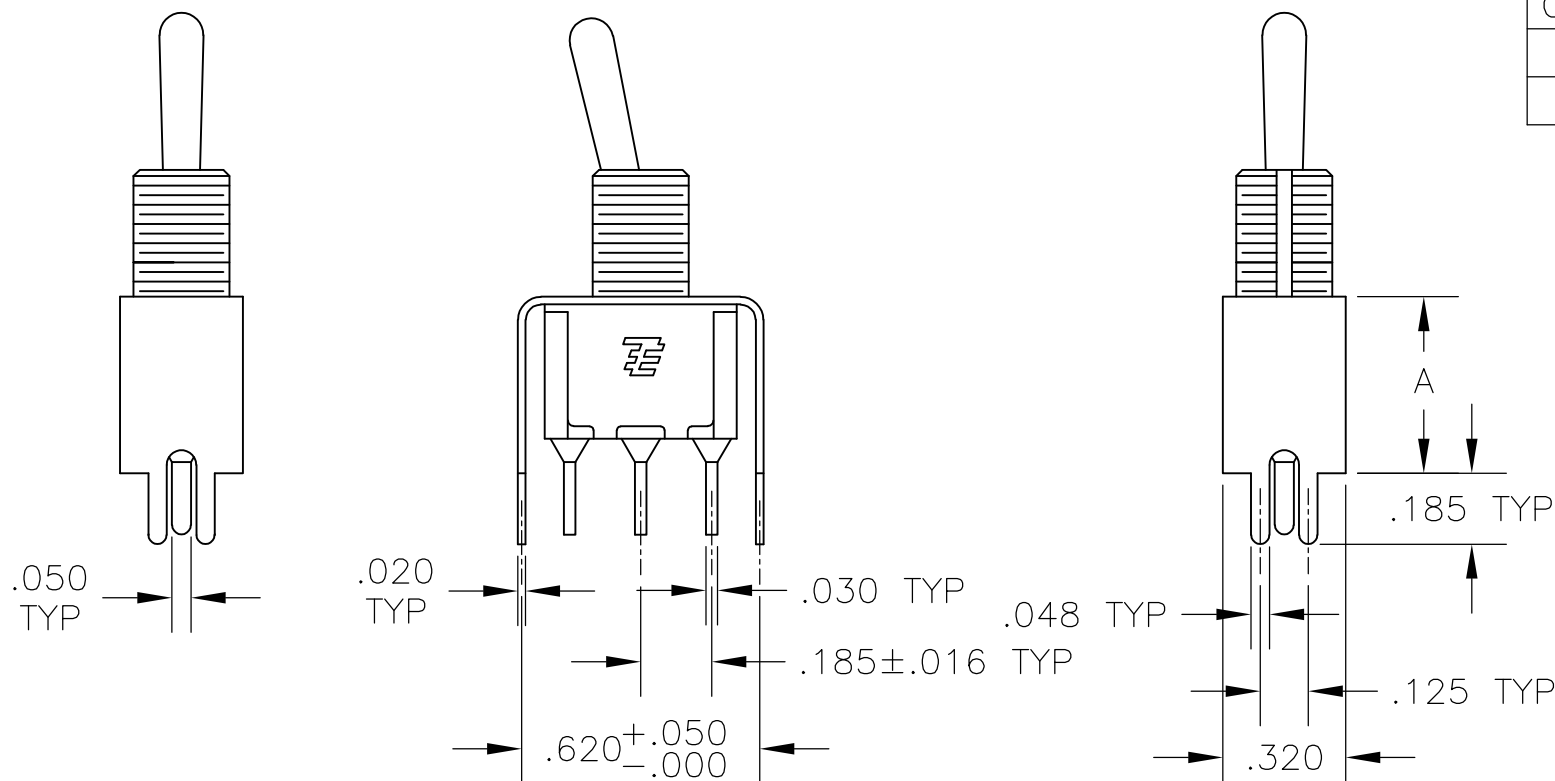


A RIGHT ANGLE

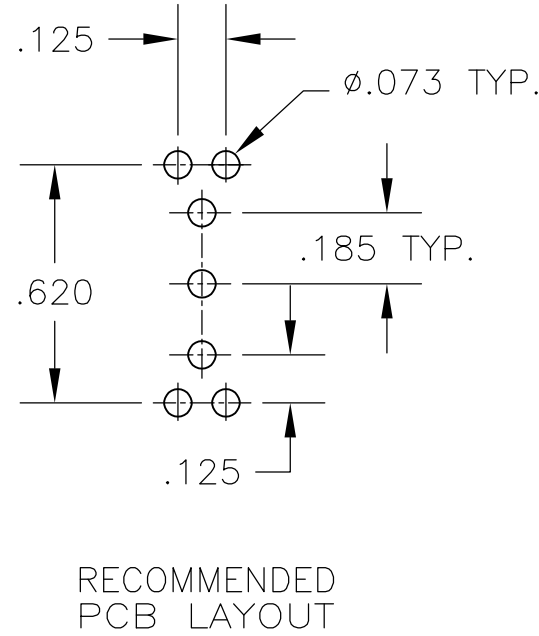


W W4 WIRE WRAP

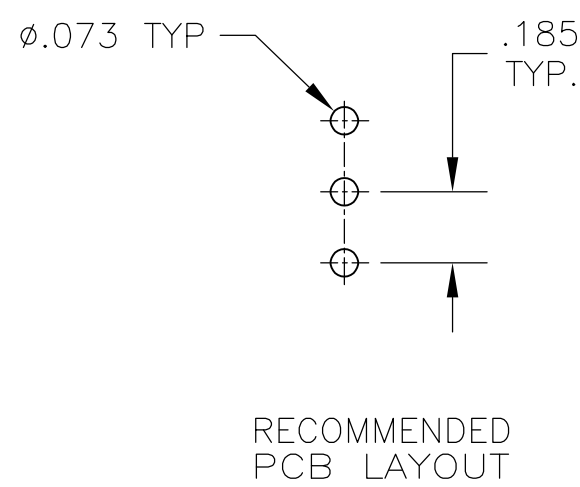
| OPTION | DIM A |
|--------|-------|
| W      | .736  |
| W4     | 1.062 |



V30 V40 VERTICAL SUPPORT BRACKET



C PRINTED CIRCUIT

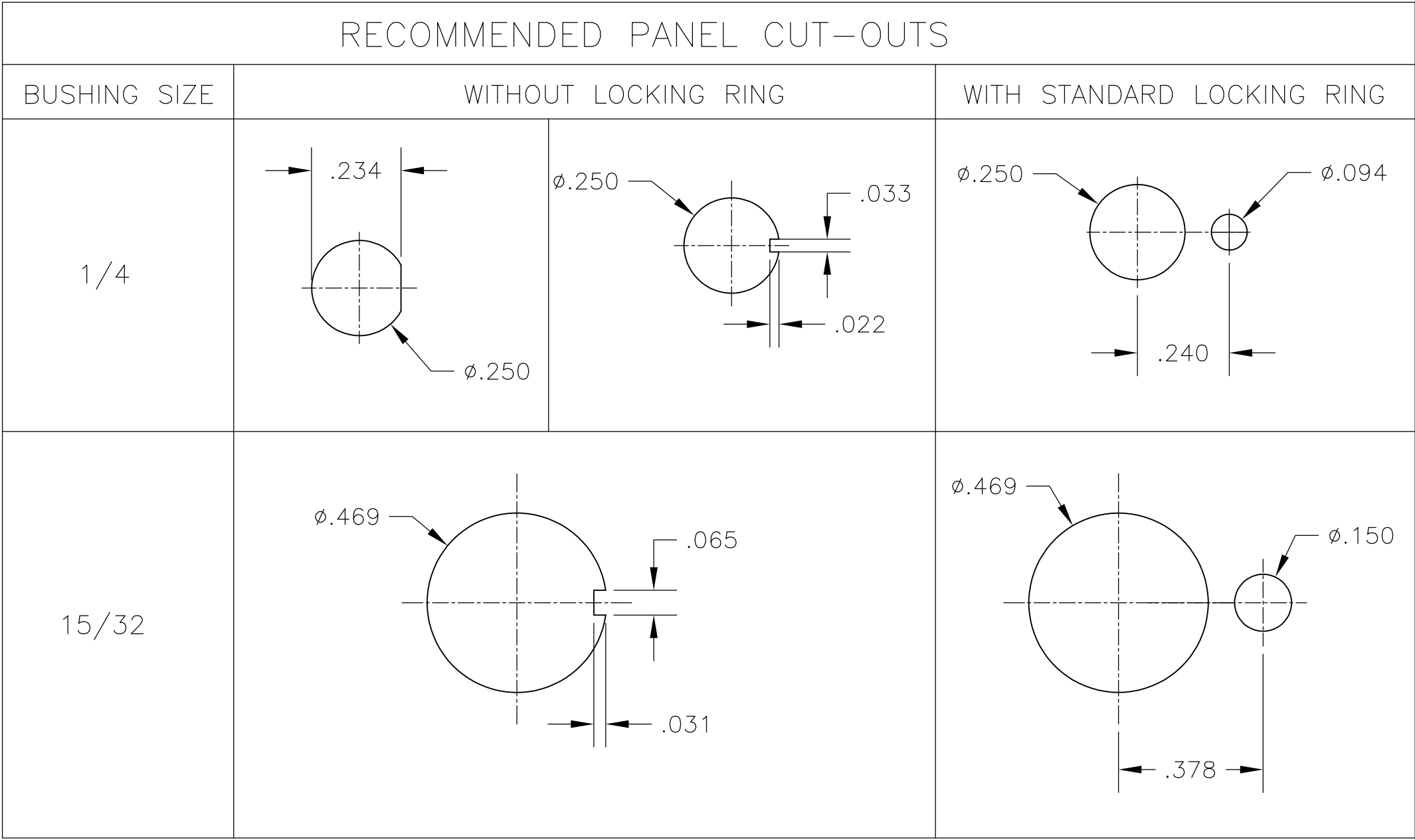


|                                        |  |                       |             |                                                                                       |                    |                         |
|----------------------------------------|--|-----------------------|-------------|---------------------------------------------------------------------------------------|--------------------|-------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>B.S.VISWESWARA | 14APR05     | TE Connectivity                                                                       |                    |                         |
| DIMENSIONS:<br>INCHES                  |  | CHK<br>M.ZITTO        | -           |                                                                                       |                    |                         |
|                                        |  | APVD<br>P.BROUILLETTE | -           | NAME<br>GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE,<br>2 POSITION FUNCTIONS (01 & 08) |                    |                         |
|                                        |  | PRODUCT SPEC          | -           | -                                                                                     |                    |                         |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APPLICATION SPEC      | -           | SIZE<br>A2                                                                            | CAGE CODE<br>00779 | DRAWING NO<br>C=1825136 |
| MATERIAL<br>-                          |  | FINISH<br>-           | WEIGHT<br>- | SCALE<br>2:1                                                                          | SHEET<br>3 of 4    | REV<br>A4               |
|                                        |  | CUSTOMER DRAWING      |             | RESTRICTED TO<br>-                                                                    |                    |                         |

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

| Alco P/N       | P/N         |
|----------------|-------------|
| A101K1V30B04   | 1825136-1   |
| A101KAB04      | 1825136-2   |
| A101KAQ04      | 1825136-3   |
| A101P3YV30B04  | 1825136-4   |
| A101KCQ04      | 1825136-5   |
| A101KD9AQ04    | 1825136-6   |
| A101KZQ04      | 1825136-7   |
| A101SYAV2B04   | 1825136-8   |
| A101L1D9V30Q04 | 1825136-9   |
| A101L1YZB04    | 1-1825136-0 |
| A101LDZQ04     | 1-1825136-1 |
| A101MD9AB04    | 1-1825136-2 |
| A101MD9AG04    | 1-1825136-3 |
| A101MD9AQ04    | 1-1825136-4 |
| A101MD9AV2B04  | 1-1825136-5 |
| A101MD9AV2G04  | 1-1825136-6 |
| A101MD9AV2Q04  | 1-1825136-7 |
| A101MD9V30B04  | 1-1825136-8 |
| A101MDAQ04     | 1-1825136-9 |
| A101MDAV2B04   | 2-1825136-0 |
| A101MDCG04     | 2-1825136-1 |
| A101MDZQ04     | 2-1825136-2 |
| A101MYCQ04     | 2-1825136-3 |
| A101MYZQ04     | 2-1825136-4 |
| A103SYAV2B04   | 2-1825136-5 |
| A101P3CB04     | 2-1825136-6 |
| A101P3ZQ04     | 2-1825136-7 |
| A101KAV2Q04    | 2-1825136-8 |
| not assigned   | 2-1825136-9 |
| A101SCWCQ004   | 3-1825136-0 |
| A101SCWZQ04    | 3-1825136-1 |
| A101SD9AB04    | 3-1825136-2 |
| A101SD9AQ04    | 3-1825136-3 |
| A101SD9AV2B04  | 3-1825136-4 |
| A101SD9AV2Q04  | 3-1825136-5 |
| A101SD9V30B04  | 3-1825136-6 |
| A101SD9V30Q04  | 3-1825136-7 |
| A101SDCQ04     | 3-1825136-8 |
| A101SDZQ04     | 3-1825136-9 |
| A101SHZQ04     | 4-1825136-0 |
| A101SY9CQ04    | 4-1825136-1 |
| A101SYAB04     | 4-1825136-2 |
| A101SYAQ04     | 4-1825136-3 |
| A101SYCB04     | 4-1825136-4 |
| A101SYCQ04     | 4-1825136-5 |
| not assigned   | 4-1825136-6 |
| A101SYWQ04     | 4-1825136-7 |
| A101SYZB04     | 4-1825136-8 |

| Alco P/N     | P/N         |
|--------------|-------------|
| A101SYZQ04   | 4-1825136-9 |
| not assigned | 5-1825136-0 |
| not assigned | 5-1825136-1 |
| A101T1ZB04   | 5-1825136-2 |
| A101T1ZQ04   | 5-1825136-3 |
| A101TCQ04    | 5-1825136-4 |
| A101TZQ04    | 5-1825136-5 |
| A108MD9AB04  | 5-1825136-6 |
| not assigned | 5-1825136-7 |
| A108P3CQ04   | 5-1825136-8 |
| A108P3ZQ04   | 5-1825136-9 |
| A108SD9AQ04  | 6-1825136-0 |
| A108SDZQ04   | 6-1825136-1 |
| A108SYCB04   | 6-1825136-2 |
| A108SYCQ04   | 6-1825136-3 |
| A108SYZQ04   | 6-1825136-4 |
| not assigned | 6-1825136-5 |
| A101SYAG04   | 6-1825136-6 |



| 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                    | .000400 SILVER   |
| ACTUATOR               | PHENOLIC, BLACK, UL94 V-1 |                  |
| LEVER                  | BRASS                     | CHROME           |
| BUSHING                | BRASS                     | NICKEL           |
| SPRING                 | MUSIC WIRE                |                  |
| SUPPORT BRACKET        | BRASS                     | TIN              |
| PIVOT PIN              | STEEL                     | NICKEL           |
| LOCK WASHER            | STAINLESS STEEL           |                  |
| LOCKING RING           | STAINLESS STEEL           |                  |
| NUTS                   | C3604BD BRASS             | NICKEL           |
| TERMINAL SEAL          | EPOXY                     |                  |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

MATERIAL -

FINISH -

DWN B.S.VISWESWARA 14APR05

CHK M.ZITTO

APVD P.BROUILLETTE

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

TE Connectivity

GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE, 2 POSITION FUNCTIONS (01 & 08)

SIZE A2 CAGE CODE 00779 DRAWING NO C-1825136 RESTRICTED TO -

SCALE 3:1 SHEET 4 of 4 REV A4