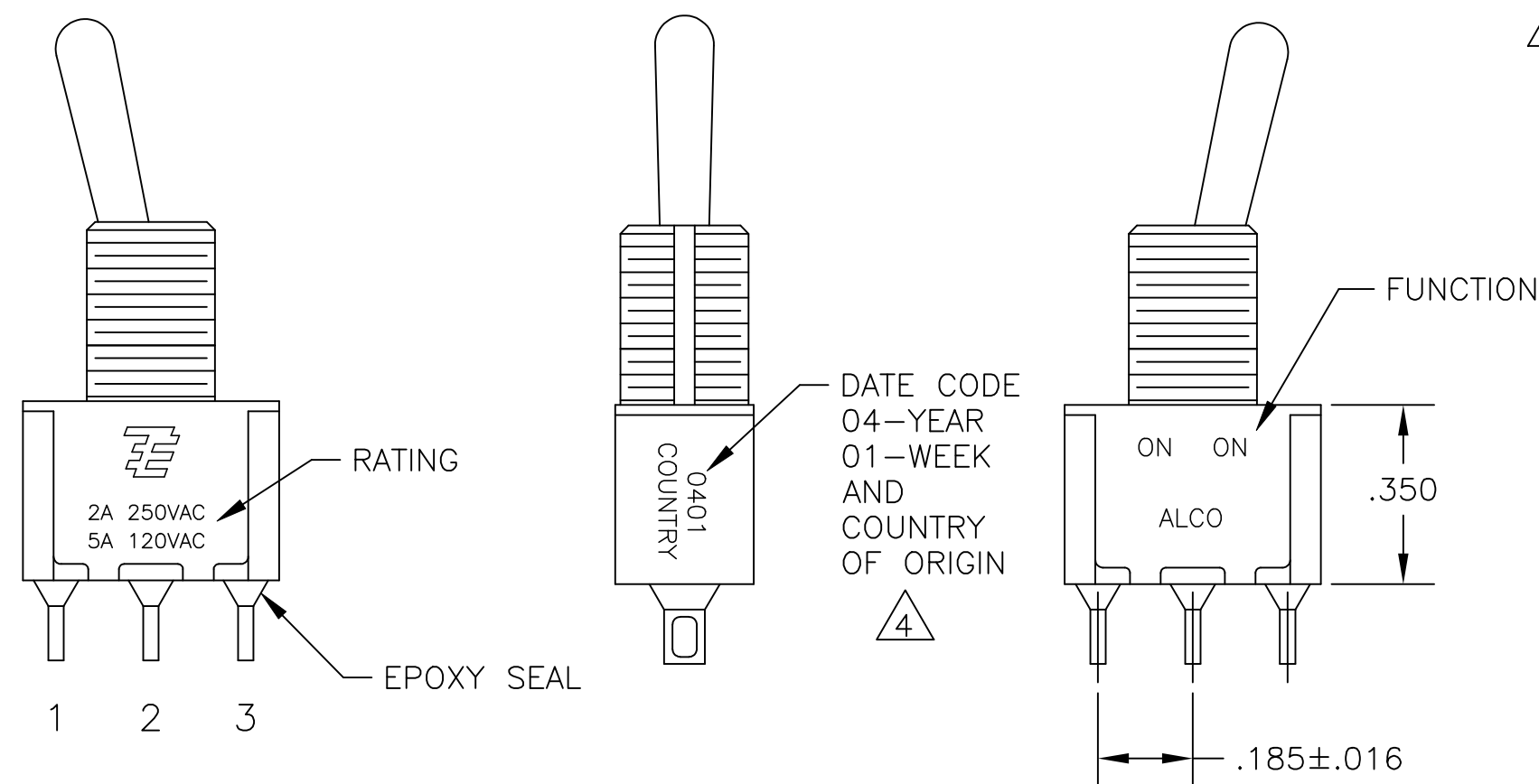
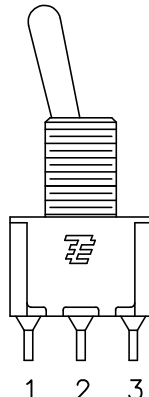
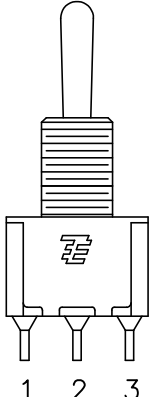
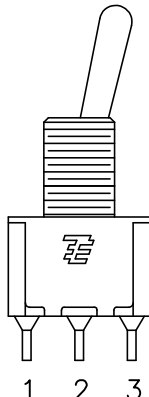




| FUNCTION CHART      |                                                                                      |                                                                                      |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| FUNCTION            |  |  |  |
|                     | 1 2 3                                                                                | 1 2 3                                                                                | 1 2 3                                                                                |
| 03                  | ON                                                                                   | OFF                                                                                  | ON                                                                                   |
| 05                  | (ON)                                                                                 | OFF                                                                                  | (ON)                                                                                 |
| 07                  | ON                                                                                   | OFF                                                                                  | (ON)                                                                                 |
| TERMINALS CONNECTED | 2-3                                                                                  | ---                                                                                  | 1-2                                                                                  |

None: No mechanical position  
Off: Mechanical position with no electrical connection  
(On): Momentary action

| PART NUMBER SEQUENCE CHART |          |        |         |          |         |      |    |
|----------------------------|----------|--------|---------|----------|---------|------|----|
| MODEL                      | FUNCTION | TOGGLE | BUSHING | TERMINAL | CONTACT | RoHS |    |
| MPLE: A103SYCQ04           | A1       | 03     | K       | CW       | A       | B    | 04 |
|                            |          | 05     | K1      | D        | AV2     | G    |    |
|                            |          | 07     | L       | D9       | C       | Q    |    |
|                            |          |        | L1      | H        | V30     |      |    |
|                            |          |        | L2      | Y        | V40     |      |    |
|                            |          |        | M       | Y9       | W       |      |    |
|                            |          |        | P3      |          | W4      |      |    |
|                            |          |        | S       |          | Z       |      |    |
|                            |          |        | T       |          | Z3      |      |    |
|                            |          |        | T1      |          |         |      |    |

EXAMPLE: A103SYCQ04

|                                                                                       |  |                                           |  |                  |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|-------------------------------------------|--|------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>M. ZITTO                           |  | 18MAY05          |  |  TE Connectivity |  |
|                                                                                       |  | CHK<br>M. ZITTO                           |  | —                |  |                                                                                                       |  |
| DIMENSIONS:<br>INCHES                                                                 |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | APVD<br>M. ZITTO |  | NAME                                                                                                  |  |
|  |  | 0 PLC ± —                                 |  | PRODUCT SPEC     |  | GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE,<br>3 POSITION FUNCTIONS (03, 05 & 07)                     |  |
|                                                                                       |  | 1 PLC ± —                                 |  | —                |  |                                                                                                       |  |
|                                                                                       |  | 2 PLC ± —                                 |  | APPLICATION SPEC |  |                                                                                                       |  |
|                                                                                       |  | 3 PLC ± .010                              |  | —                |  | SIZE                                                                                                  |  |
|                                                                                       |  | 4 PLC ± —                                 |  | —                |  | CAGE CODE                                                                                             |  |
|                                                                                       |  | ANGLES ± 2°                               |  | —                |  | DRAWING NO                                                                                            |  |
| MATERIAL                                                                              |  | FINISH                                    |  | WEIGHT           |  | RESTRICTED TO                                                                                         |  |
| —                                                                                     |  | —                                         |  | A2               |  | 00779                                                                                                 |  |
|                                                                                       |  |                                           |  | C=1825137        |  | —                                                                                                     |  |
| CUSTOMER DRAWING                                                                      |  |                                           |  |                  |  | SCALE 3:1                                                                                             |  |
|                                                                                       |  |                                           |  |                  |  | SHEET 1 of 4                                                                                          |  |
|                                                                                       |  |                                           |  |                  |  | REV A8                                                                                                |  |

4

3

2

1

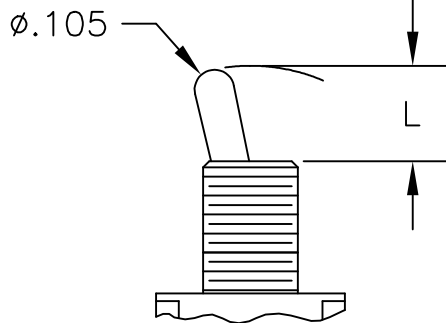
THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

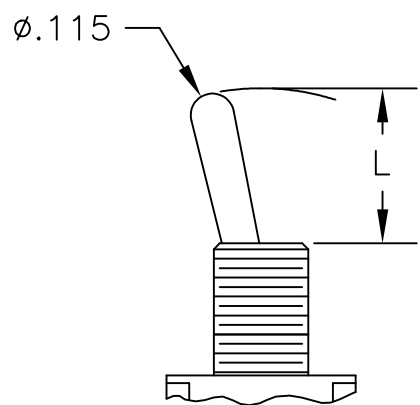
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TOGGLES

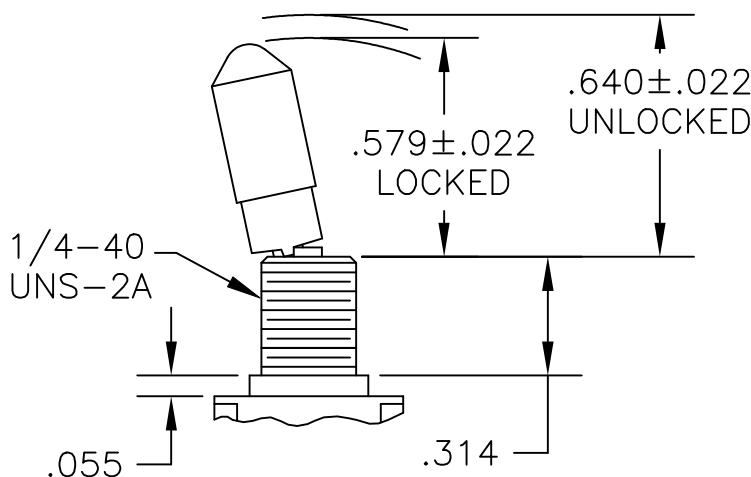


M SHORT

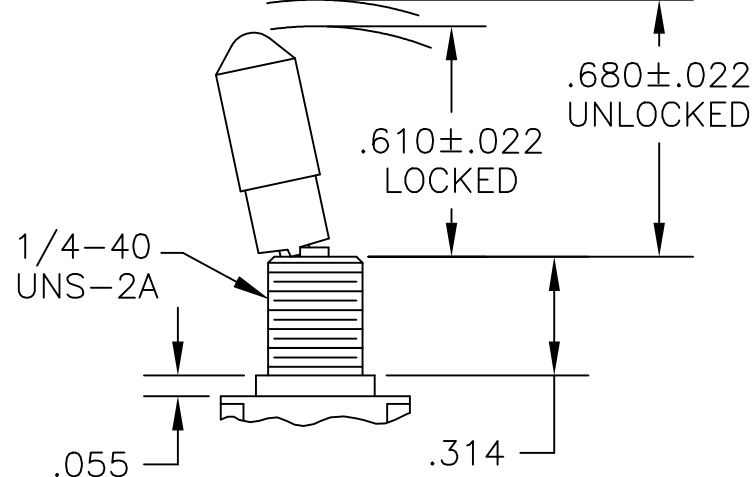


S STANDARD

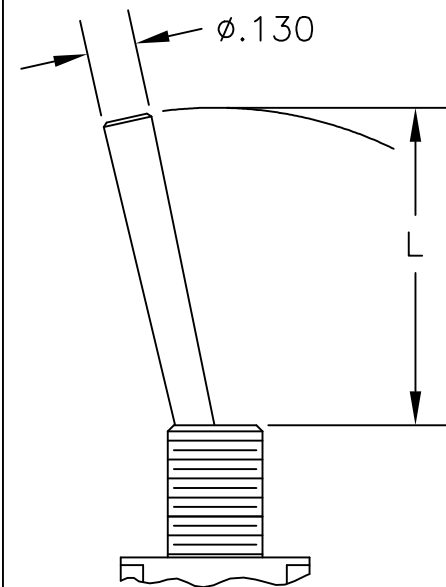
| DIM L | BUSHING TYPE | DIM L | BUSHING TYPE |
|-------|--------------|-------|--------------|
| .200  | Y, H         | .410  | Y, H         |
| .270  | D, D9        | .480  | D, D9        |



K NO BUSHING OPTION NEEDED

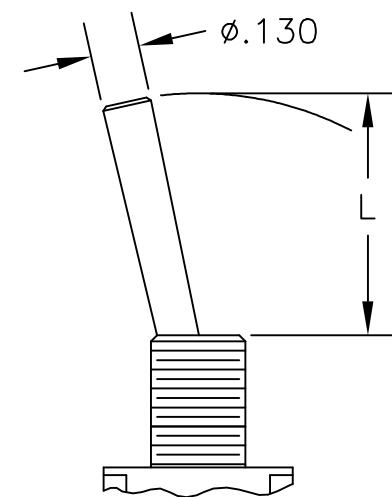


K1 NO BUSHING OPTION NEEDED



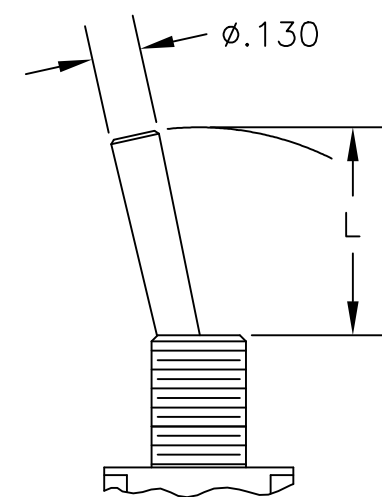
L LEVER

| DIM L | BUSHING TYPE |
|-------|--------------|
| .840  | Y, H         |
| .910  | D, D9        |



L1 LEVER

| DIM L | BUSHING TYPE |
|-------|--------------|
| .640  | Y, H         |
| .710  | D, D9        |

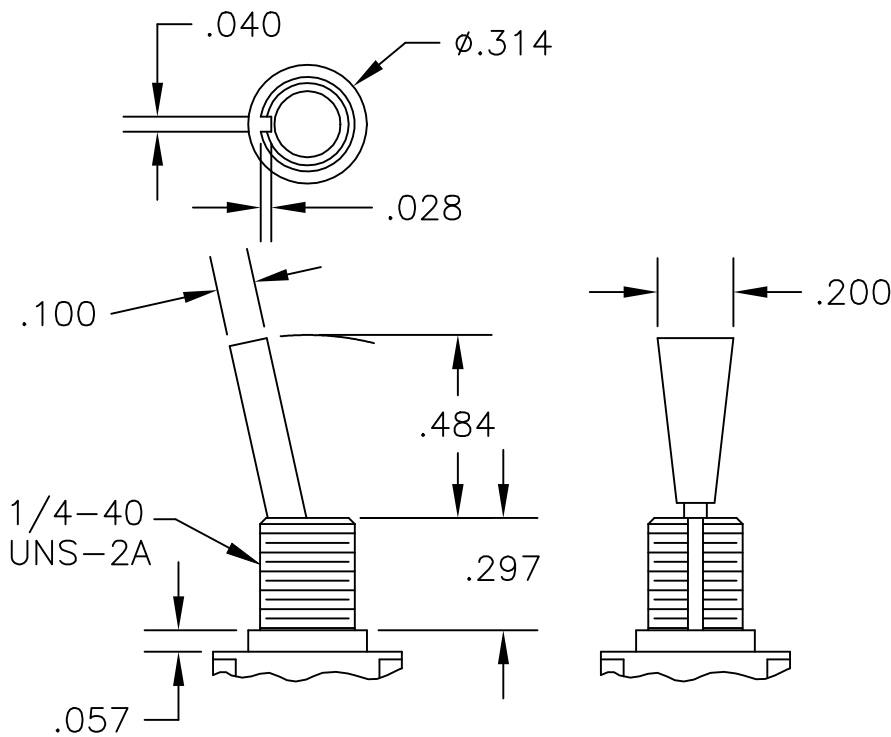


L2 LEVER

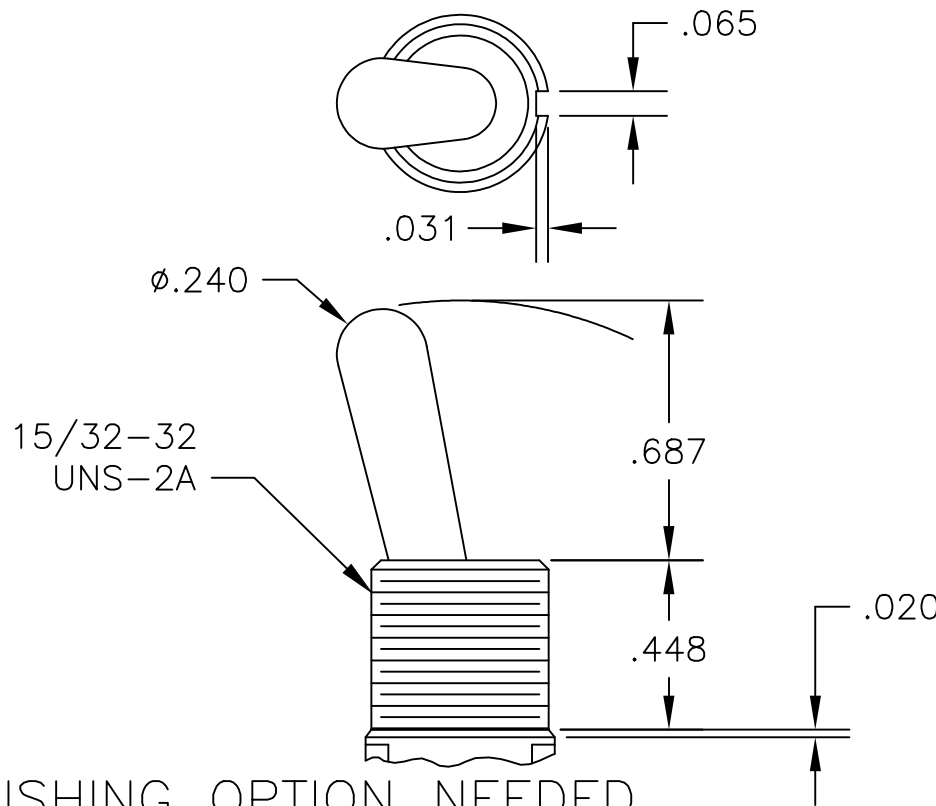
| DIM L | BUSHING TYPE |
|-------|--------------|
| .550  | Y, H         |
| .620  | D, D9        |

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

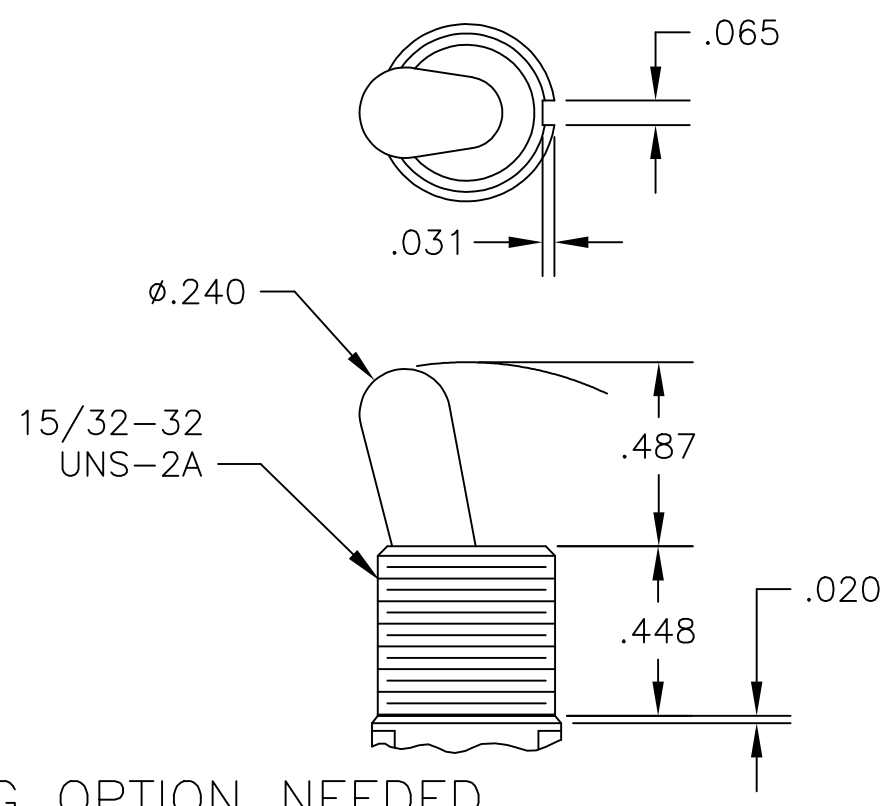
C



P3 NO BUSHING OPTION NEEDED



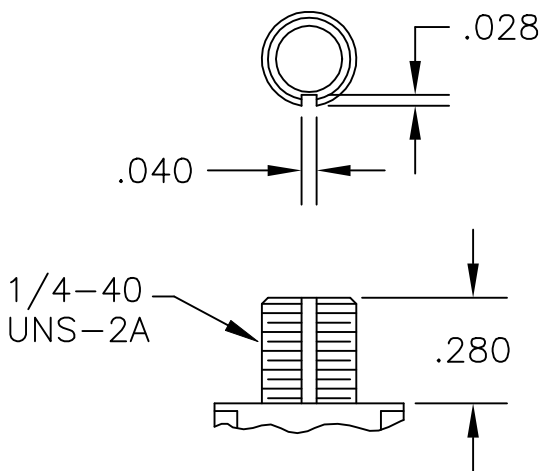
T NO BUSHING OPTION NEEDED



T1 NO BUSHING OPTION NEEDED

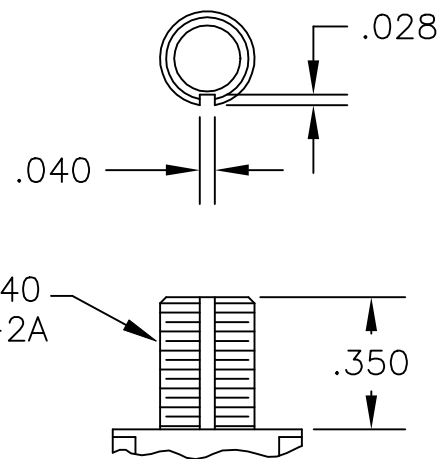
B

BUSHINGS



D THREADED

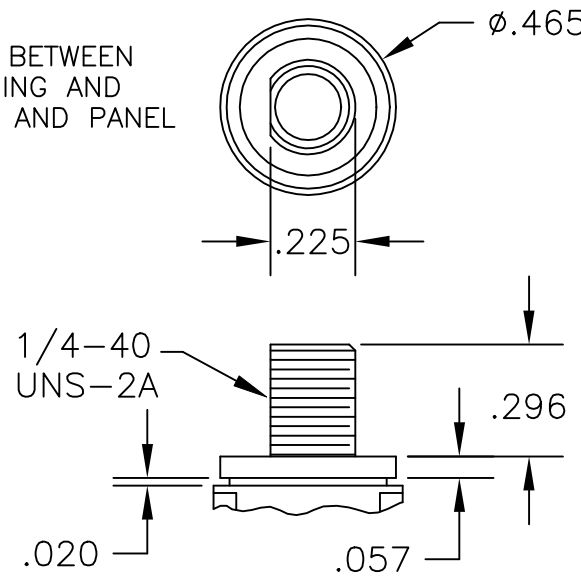
D9 UNTHREADED



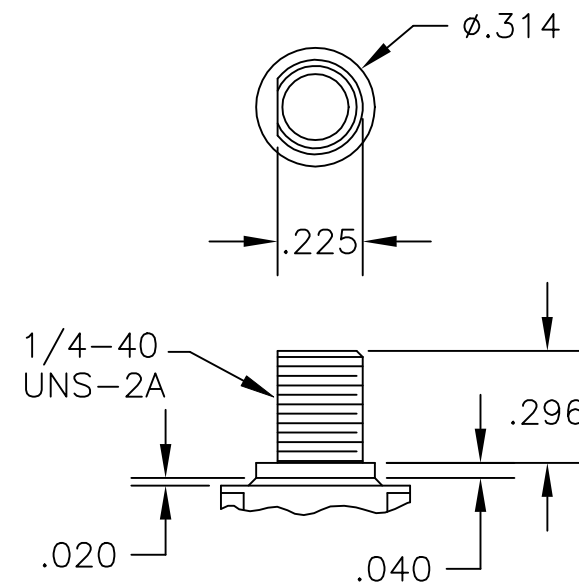
Y THREADED

Y9 UNTHREADED

CONTAINS O-RING BETWEEN TOGGLE AND BUSHING AND BETWEEN BUSHING AND PANEL



CW THREADED SPLASHPROOF



H HIGH TORQUE

A

|                                        |  |  |                                                                                |           |            |
|----------------------------------------|--|--|--------------------------------------------------------------------------------|-----------|------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  |  |                                                                                |           |            |
| DWN M. ZITTO                           |  |  | 18MAY05                                                                        |           |            |
| CHK M. ZITTO                           |  |  | -                                                                              |           |            |
| APVD M. ZITTO                          |  |  | -                                                                              |           |            |
| PRODUCT SPEC                           |  |  | NAME                                                                           |           |            |
| APPLICATION SPEC                       |  |  | GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE, 3 POSITION FUNCTIONS (03, 05 & 07) |           |            |
| WEIGHT                                 |  |  | SIZE                                                                           | CAGE CODE | DRAWING NO |
| CUSTOMER DRAWING                       |  |  | A2                                                                             | 00779     | C=1825137  |
| SCALE                                  |  |  | 3:1                                                                            | SHEET     | 2 of 4     |
| REV                                    |  |  | A8                                                                             |           |            |

4

3

2

1

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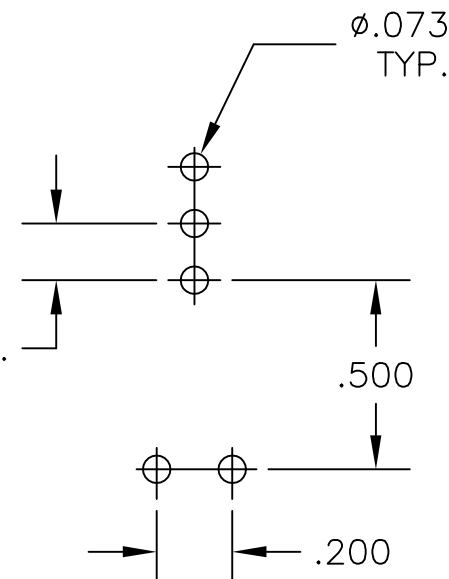
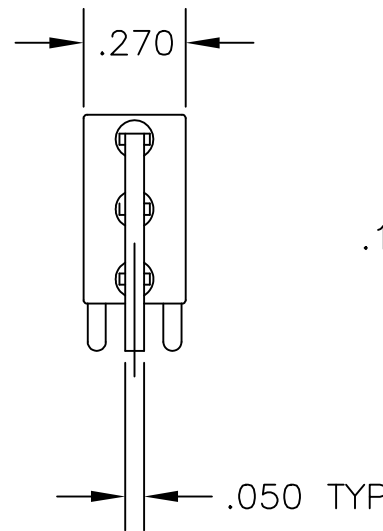
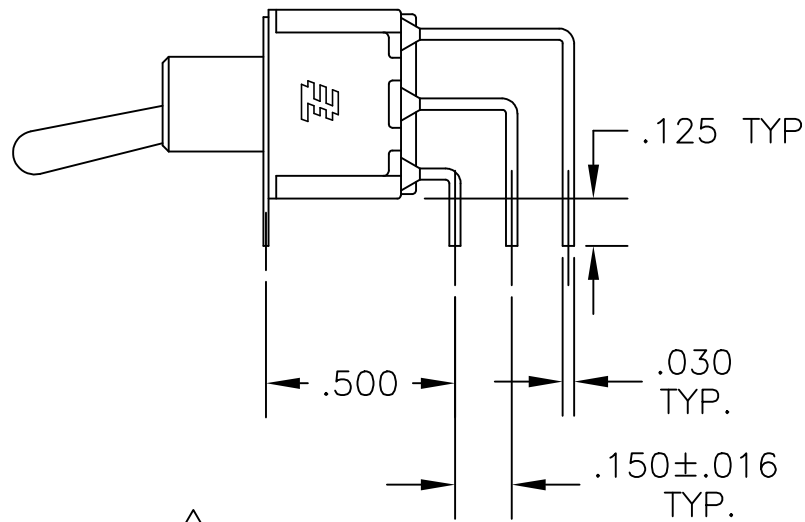
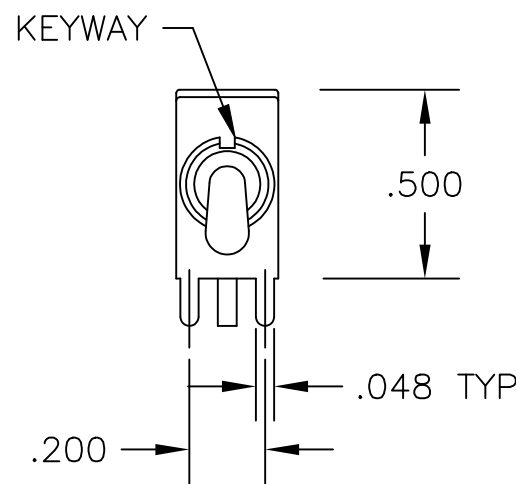
RELEASED FOR PUBLICATION

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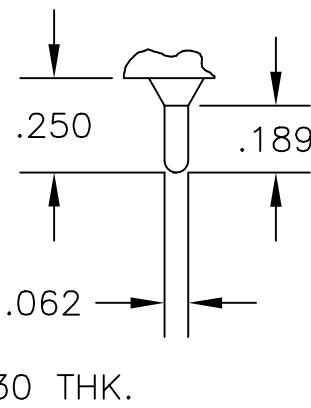
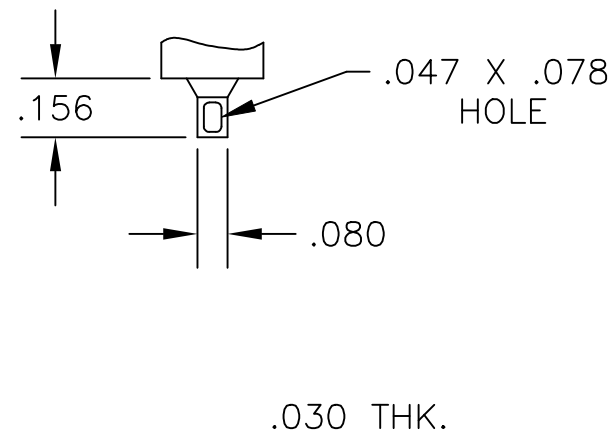
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REVISIONS

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



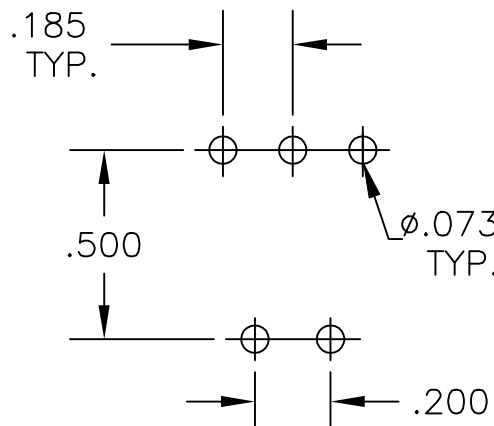
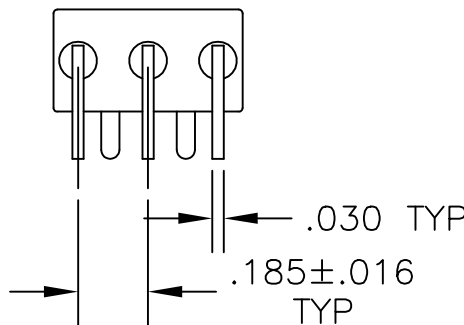
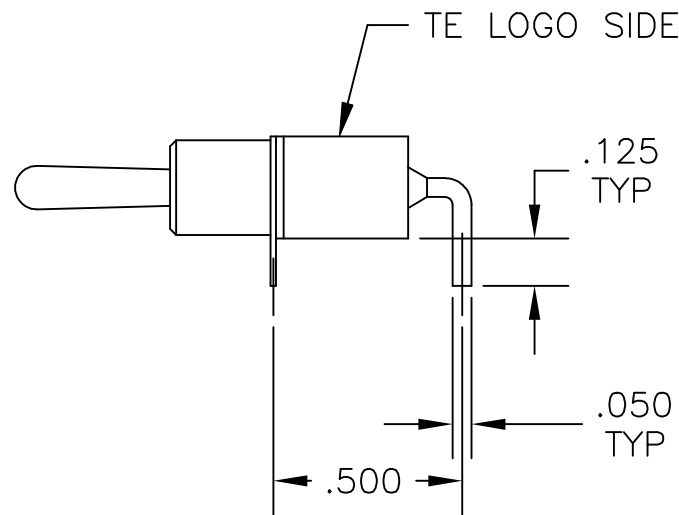
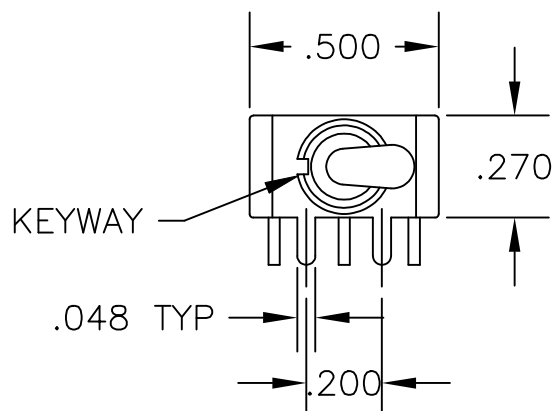
RECOMMENDED PCB LAYOUT



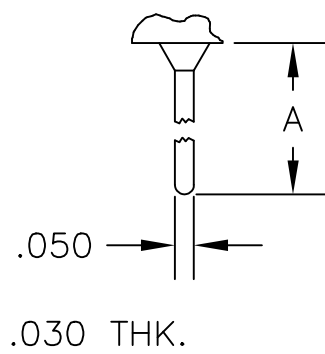
AV2 VERTICAL RIGHT ANGLE

Z WIRE LUG

Z3 QUICK CONNECT



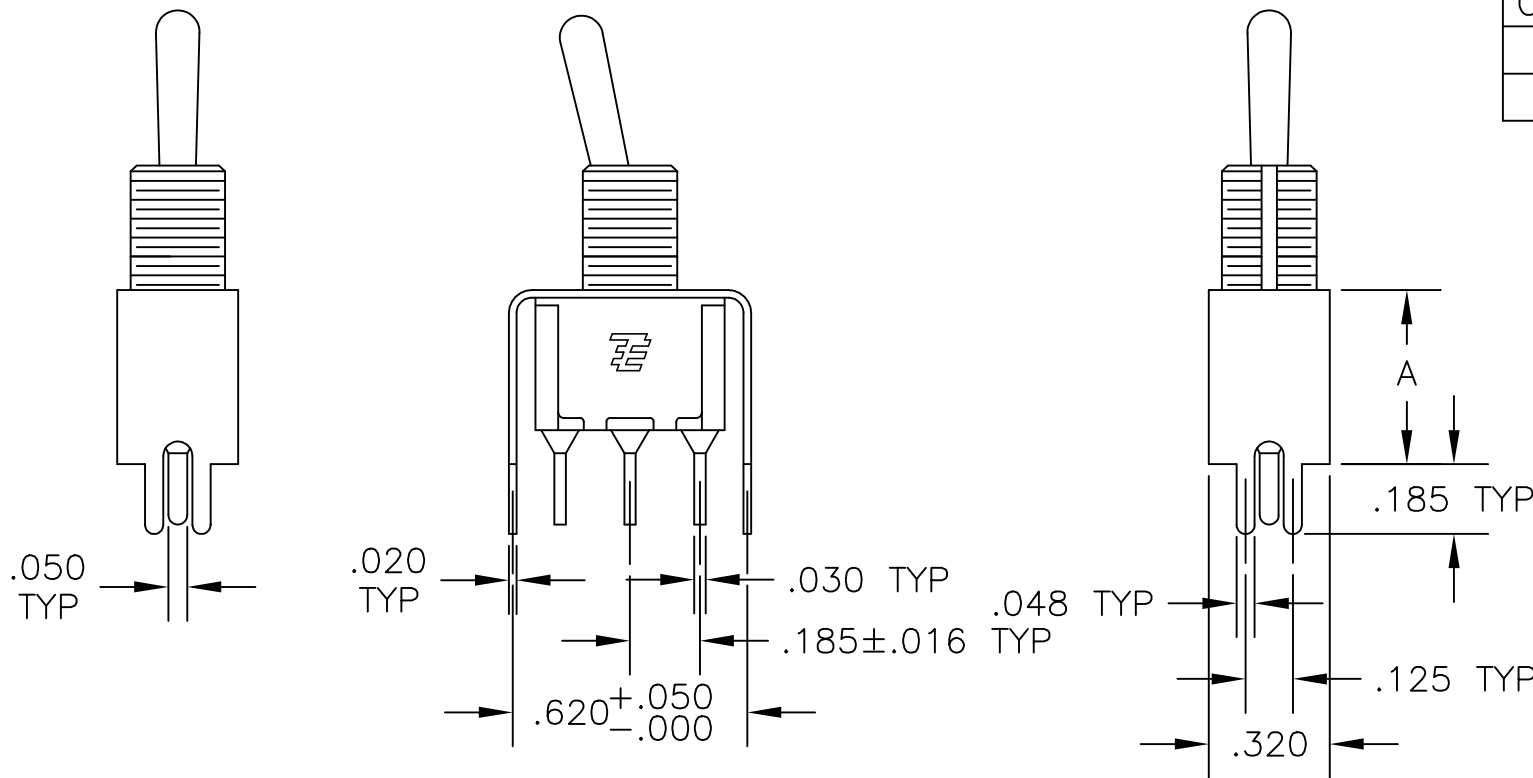
RECOMMENDED PCB LAYOUT



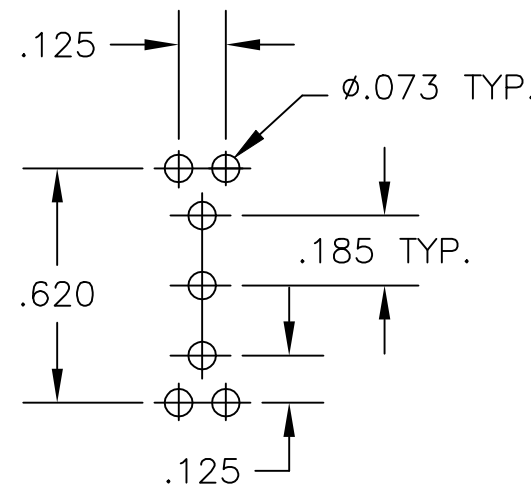
| OPTION | DIM A |
|--------|-------|
| W      | .736  |
| W4     | 1.062 |

A RIGHT ANGLE

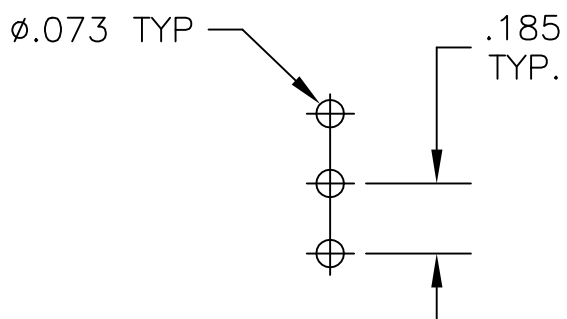
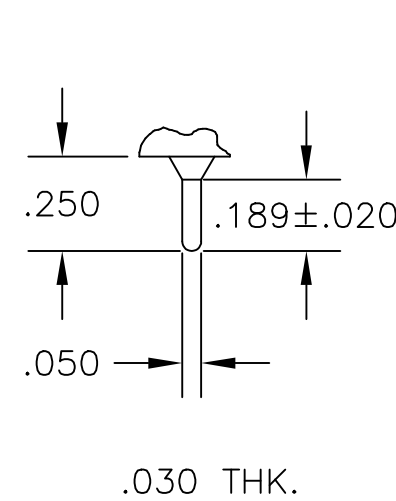
W W4 WIRE WRAP



| OPTION | DIM A |
|--------|-------|
| V30    | .460  |
| V40    | .630  |



RECOMMENDED PCB LAYOUT



RECOMMENDED PCB LAYOUT

C PRINTED CIRCUIT

V30 V40  
VERTICAL SUPPORT BRACKET

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN M. ZITTO 18MAY05

CHK M. ZITTO

APVD M. ZITTO

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING



TE Connectivity

GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE,  
3 POSITION FUNCTIONS (03, 05 & 07)

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A2

00779

C=1825137

—

SCALE

SHEET

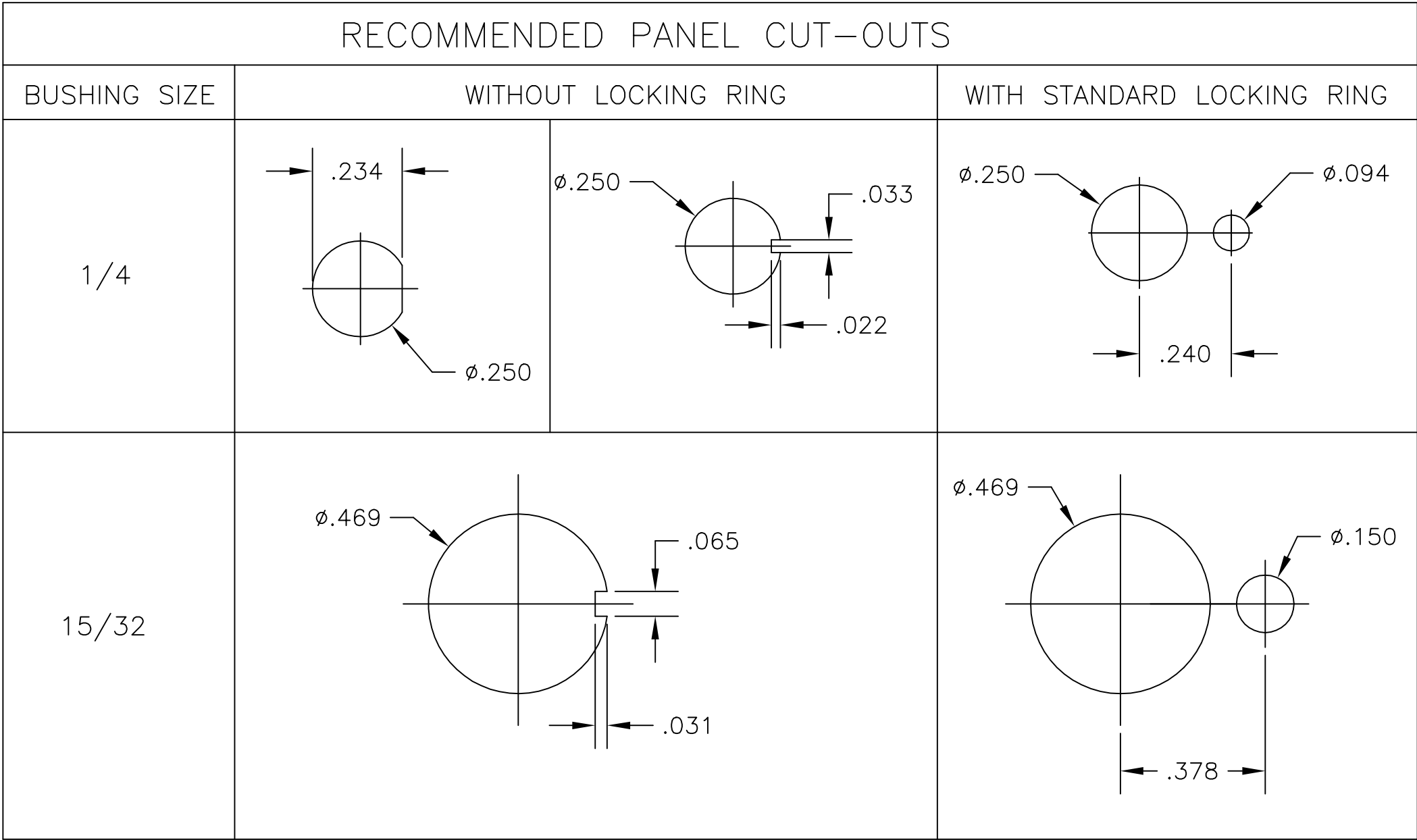
3 of 4

REV

A8

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

| Alco P/N      | P/N         |          |
|---------------|-------------|----------|
| A103KZQ04     | 1825137-1   |          |
| A103MD9AB04   | 1825137-2   | OBSOLETE |
| A103MD9AG04   | 1825137-3   |          |
| A103MD9AQ04   | 1825137-4   | OBSOLETE |
| A103MD9AV2B04 | 1825137-5   |          |
| A103P3ZQ04    | 1825137-6   |          |
| A103SD9AQ04   | 1825137-7   |          |
| A103SD9AV2B04 | 1825137-8   |          |
| A103SD9AV2Q04 | 1825137-9   | OBSOLETE |
| A103SDCB04    | 1-1825137-0 |          |
| A103SDCQ04    | 1-1825137-1 |          |
| A103SDZQ04    | 1-1825137-2 |          |
| A103SYAQ04    | 1-1825137-3 |          |
| A103SYAV2Q04  | 1-1825137-4 |          |
| A103SYCB04    | 1-1825137-5 |          |
| A103SYCQ04    | 1-1825137-6 |          |
| A103SYWB04    | 1-1825137-7 |          |
| A103SYWQ04    | 1-1825137-8 | OBSOLETE |
| A103SYZB04    | 1-1825137-9 |          |
| A103SYZQ04    | 2-1825137-0 |          |
| A103T1CG04    | 2-1825137-1 | OBSOLETE |
| A103T1ZQ04    | 2-1825137-2 |          |
| A103TZQ04     | 2-1825137-3 |          |
| A105MD9AB04   | 2-1825137-4 |          |
| A105MD9AQ04   | 2-1825137-5 | OBSOLETE |
| A105MYV30Q04  | 2-1825137-6 |          |
| A105P3CG04    | 2-1825137-7 |          |
| A105P3CQ04    | 2-1825137-8 | OBSOLETE |
| A105P3ZQ04    | 2-1825137-9 |          |
| A103MDAB04    | 3-1825137-0 | OBSOLETE |
| A105SD9AB04   | 3-1825137-1 |          |
| A105SD9AV2Q04 | 3-1825137-2 |          |
| A105SD9V30B04 | 3-1825137-3 |          |
| A105SYAB04    | 3-1825137-4 | OBSOLETE |
| A105SYAV2B04  | 3-1825137-5 |          |
| A105SYCB04    | 3-1825137-6 |          |
| A105SYCQ04    | 3-1825137-7 |          |
| A105SYZB04    | 3-1825137-8 |          |
| A105SYZQ04    | 3-1825137-9 |          |
| A105T1ZB04    | 4-1825137-0 | OBSOLETE |
| A105T1ZQ04    | 4-1825137-1 |          |
| A105TZQ04     | 4-1825137-2 |          |
| A107KAV2Q04   | 4-1825137-3 |          |
| A107KZB04     | 4-1825137-4 |          |
| A107MD9AV2B04 | 4-1825137-5 | OBSOLETE |
| A107MD9CQ04   | 4-1825137-6 |          |
| A107MD9V30Q04 | 4-1825137-7 |          |
| A107P3ZQ04    | 4-1825137-8 |          |
| A107SYAQ04    | 4-1825137-9 | OBSOLETE |
| A107SYCB04    | 5-1825137-0 |          |
| A107SYCQ04    | 5-1825137-1 |          |
| A107SYZQ04    | 5-1825137-2 |          |
| A107TZB04     | 5-1825137-3 |          |
| A105MD9AV2B   | 5-1825137-4 |          |
| A103MD9V30B04 | 5-1825137-5 |          |
| A103MCWCB04   | 5-1825137-6 | OBSOLETE |
| A103SCWCB04   | 5-1825137-7 |          |



| 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

MATERIAL  
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DWN  
M. ZITTO

CHK  
M. ZITTO

APVD  
M. ZITTO

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

18MAY05

TE Connectivity

GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE, 3 POSITION FUNCTIONS (03, 05 & 07)

|              |                    |                       |                    |
|--------------|--------------------|-----------------------|--------------------|
| SIZE<br>A2   | CAGE CODE<br>00779 | DRAWING NO<br>1825137 | RESTRICTED TO<br>- |
| SCALE<br>3:1 | SHEET<br>4 of 4    | REV<br>A8             |                    |