

4

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LOCAD

DIST00

REVISIONS

| P | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|---|-----|---------------------------|-----------|-----|------|
|   | A2  | REVISED PER ECO-15-004048 | 16MAR2015 | NK  | RH   |

MATERIALS

| COMPONENT NAME                   | BASE MATERIAL                          | FINISH                                                           |
|----------------------------------|----------------------------------------|------------------------------------------------------------------|
| CASE                             | LCP, BLACK, UL94 V-0                   |                                                                  |
| TERMINAL, WIRE LUG (GOLD)        | BRASS                                  | GOLD OVER NICKEL                                                 |
| TERMINAL, PC & RA (GOLD)         | BRASS                                  | GOLD OVER NICKEL IN CONTACT AREA, TIN OVER NICKEL IN SOLDER AREA |
| TERMINAL, WIRE LUG & PC (SILVER) | SILVER CLAD COPPER                     | SILVER OVER NICKEL                                               |
| CONTACT (GOLD)                   | COPPER ALLOY OR BRASS                  | GOLD OVER NICKEL                                                 |
| CONTACT (SILVER)                 | SILVER CLAD COPPER OR COPPER           | SILVER OVER NICKEL                                               |
| FRAME                            | STEEL                                  | TIN OVER COPPER                                                  |
| SPRING                           | MUSIC WIRE                             |                                                                  |
| PLUNGER BUTTON                   | NYLON 6/6, BLACK, RED OR BLUE, UL94 HB |                                                                  |
| GUIDE, CC & FF SWITCHES ONLY     | NYLON 6/6, WHITE                       |                                                                  |

SPECIFICATIONS

| RATING                         | GOLD: .4VA MAX. @ 20VDC OR PEAK AC RESISITIVE |
|--------------------------------|-----------------------------------------------|
|                                | SILVER: 1A @ 125VAC OR 28 VDC RESISTIVE       |
| INITIAL TERMINATION RESISTANCE | 20 MILLIOHMS MAX.                             |
| INSULATION RESISTANCE          | 1,000 MEGOHMS MIN @ 500 VDC                   |
| DIELECTRIC STRENGTH            | 1,000 VOLTS RMS AT SEA LEVEL                  |
| TIMING                         | BREAK BEFORE MAKE                             |
| PLUNGER TRAVEL                 | .030                                          |
| ACTUATION FORCE                | 50 TO 400 GRAMS                               |
| LIFE EXPECTANCY                | .4VA: 100,000                                 |
|                                | 1A: 60,000                                    |
| OPERATING TEMPERATURE          | -30°C TO +95°C                                |
| STORAGE TEMPERATURE            | -30°C TO +95°C                                |
| TERMINAL SEAL                  | SINGLE POLE: EPOXY                            |
|                                | DOUBLE POLE: EPOXY OPTIONAL                   |

NOTES:

1. TERMINAL NUMBERS ARE FOR REFERNCE ONLY AND DO NOT APPEAR ON SWITCHES

2. ALL MATERIALS AND FINISHES COMPLY WITH EU DIRECTIVE 2002/95/ES OF 27JAN2003 (ROHS)

3

CENTER TERMINAL PRESENT ON DOUBLE THROW SWITCHES ONLY.

4

OBSOLETE.

PART NUMBER MATRIX

| MODEL | POLES  | RATING         | FUNCTION         | PLATING      | TERMINATIONS       | BUTTON COLOR | 04 |
|-------|--------|----------------|------------------|--------------|--------------------|--------------|----|
| TP    | 1      | 1=GOLD .4VA    | C=SPST MOMENTARY | G=GOLD       | BLANK=WIRE LUG     | 0=BLACK      |    |
|       | 2(1+1) | 3=SILVER 1 AMP | F=SPDT MOMENTARY | BLANK=SILVER | PC=PRINTED CIRCUIT | 2=RED        |    |
|       |        |                |                  |              | RA=RIGHT ANGLE     | 6=BLUE       |    |

NOTES:  
1. SILVER ONLY AVAILABLE IN WIRE LUG AND PC TERMINATIONS

| P/N                      | ALCO P/N     | POLES  | THROWS | PLATING | TERMINALS   | BUTTON COLOR | FUNCTION |     | CONNECTED TERMINALS |     |
|--------------------------|--------------|--------|--------|---------|-------------|--------------|----------|-----|---------------------|-----|
|                          |              |        |        |         |             |              |          |     |                     |     |
| 1825095-1                | TP11CGPC004  | 1      | 1      | GOLD    | PC          | BLACK        | OFF      | MOM | OFF                 | 1-3 |
| 1825095-2                | TP11CGPC204  | 1      | 1      | GOLD    | PC          | RED          | OFF      | MOM | OFF                 | 1-3 |
| 1825095-3                | TP11CGRA004  | 1      | 1      | GOLD    | RIGHT ANGLE | BLACK        | OFF      | MOM | OFF                 | 1-3 |
| <div>4</div> 1825095-4   | TP11CGRA204  | 1      | 1      | GOLD    | RIGHT ANGLE | RED          | OFF      | MOM | OFF                 | 1-3 |
| <div>4</div> 1825095-5   | TP11CGRA604  | 1      | 1      | GOLD    | RIGHT ANGLE | BLUE         | OFF      | MOM | OFF                 | 1-3 |
| 1825095-6                | TP11FGPC004  | 1      | 2      | GOLD    | PC          | BLACK        | ON       | MOM | 1-2                 | 2-3 |
| <div>4</div> 1825095-7   | TP11FGPC204  | 1      | 2      | GOLD    | PC          | RED          | ON       | MOM | 1-2                 | 2-3 |
| <div>4</div> 1825095-8   | TP11FGRA004  | 1      | 2      | GOLD    | RIGHT ANGLE | BLACK        | ON       | MOM | 1-2                 | 2-3 |
| <div>4</div> 1825095-9   | TP11FGRA204  | 1      | 2      | GOLD    | RIGHT ANGLE | RED          | ON       | MOM | 1-2                 | 2-3 |
| <div>4</div> 1-1825095-0 | TP11FGRA604  | 1      | 2      | GOLD    | RIGHT ANGLE | BLUE         | ON       | MOM | 1-2                 | 2-3 |
| <div>4</div> 1-1825095-1 | TP21CCGRA004 | 2(1+1) | 1      | GOLD    | RIGHT ANGLE | BLACK        | OFF      | MOM | OFF                 | 1-3 |
| <div>4</div> 1-1825095-2 | TP21CCGRA204 | 2(1+1) | 1      | GOLD    | RIGHT ANGLE | RED          | OFF      | MOM | OFF                 | 1-3 |
| <div>4</div> 1-1825095-3 | TP21FFGRA004 | 2(1+1) | 2      | GOLD    | RIGHT ANGLE | BLACK        | ON       | MOM | 1-2                 | 2-3 |

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DIMENSIONS:  
INCHES

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .010

4 PLC ± -

ANGLES ± 3°

FINISH

-

DWN 12-1-05 RAGHU

CHK -

APVD -

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

TE Connectivity

NAME  
PUSHBUTTON SWITCH, TP SERIES

SIZE A2

CAGE CODE 00779

DRAWING NO C=1825095

RESTRICTED TO -

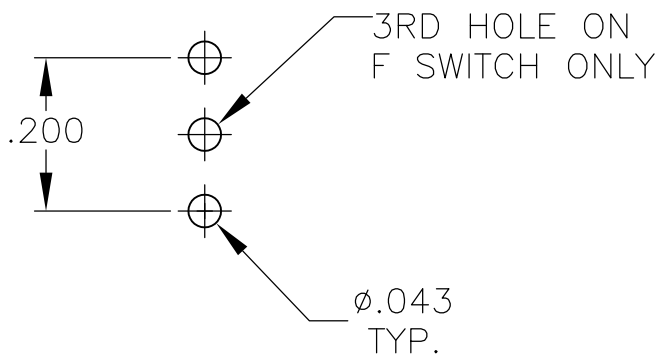
SCALE 4:1

SHEET 1 of 3

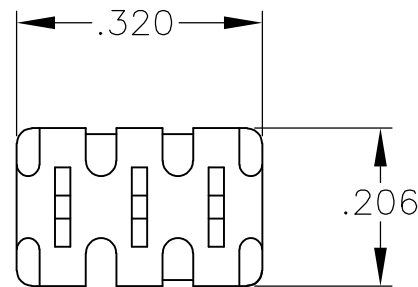
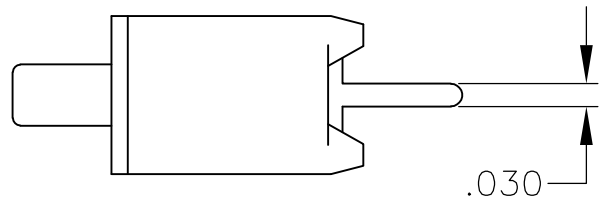
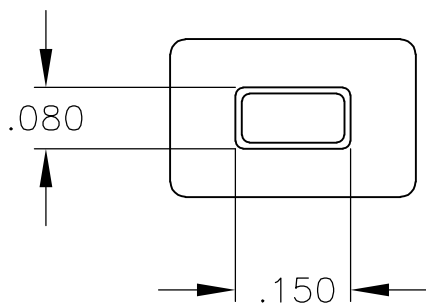
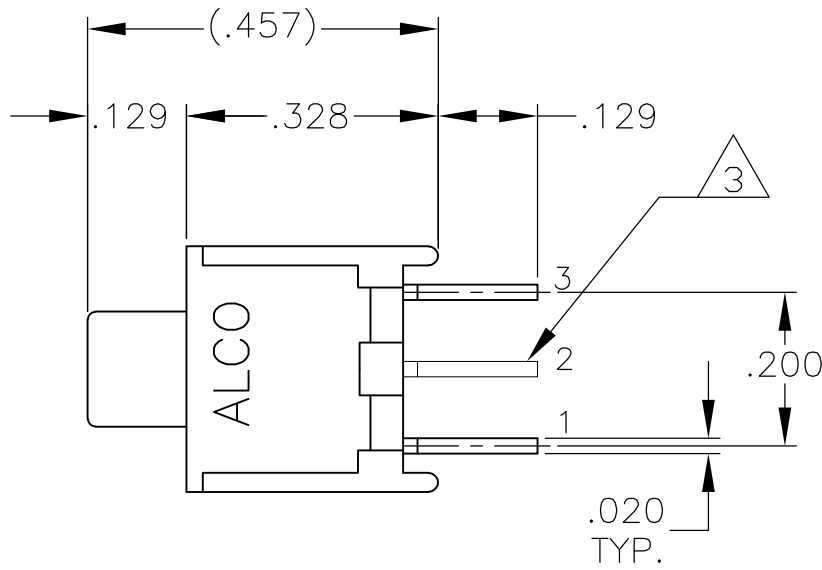
REV A2

1471-9 (3/11)

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



RECOMMENDED HOLE LAYOUT  
TOLERANCE ±.002 UNLESS  
OTHERWISE NOTED



TP11CGPC  
TP11FGPC

|                                        |  |                  |         |                                      |           |            |               |
|----------------------------------------|--|------------------|---------|--------------------------------------|-----------|------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN              | 12-1-05 | TE Connectivity                      |           |            |               |
|                                        |  | CHK              | -       |                                      |           |            |               |
| DIMENSIONS:<br>INCHES                  |  | APVD             | -       | NAME<br>PUSHBUTTON SWITCH, TP SERIES |           |            |               |
|                                        |  | PRODUCT SPEC     | -       |                                      |           |            |               |
|                                        |  | APPLICATION SPEC | -       |                                      |           |            |               |
|                                        |  | WEIGHT           | -       | SIZE                                 | CAGE CODE | DRAWING NO | RESTRICTED TO |
| MATERIAL                               |  | FINISH           | -       | A2                                   | 00779     | C=1825095  | -             |
|                                        |  | CUSTOMER DRAWING |         | SCALE                                | 4:1       | SHEET      | 2 of 3        |
|                                        |  |                  |         |                                      |           | REV        | A2            |

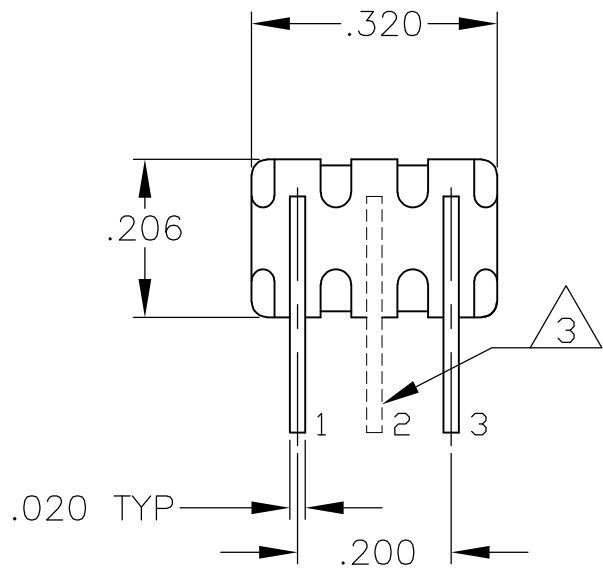
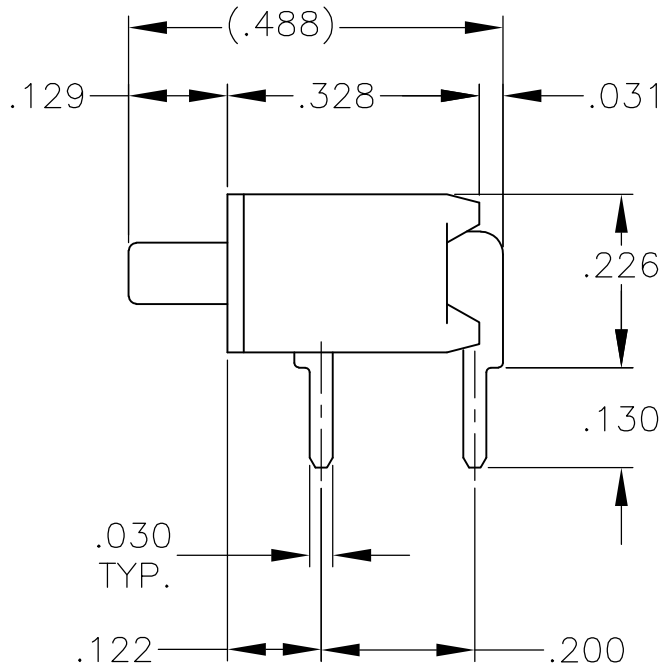
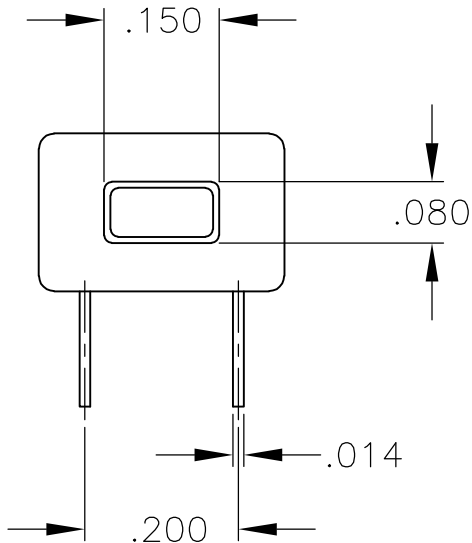
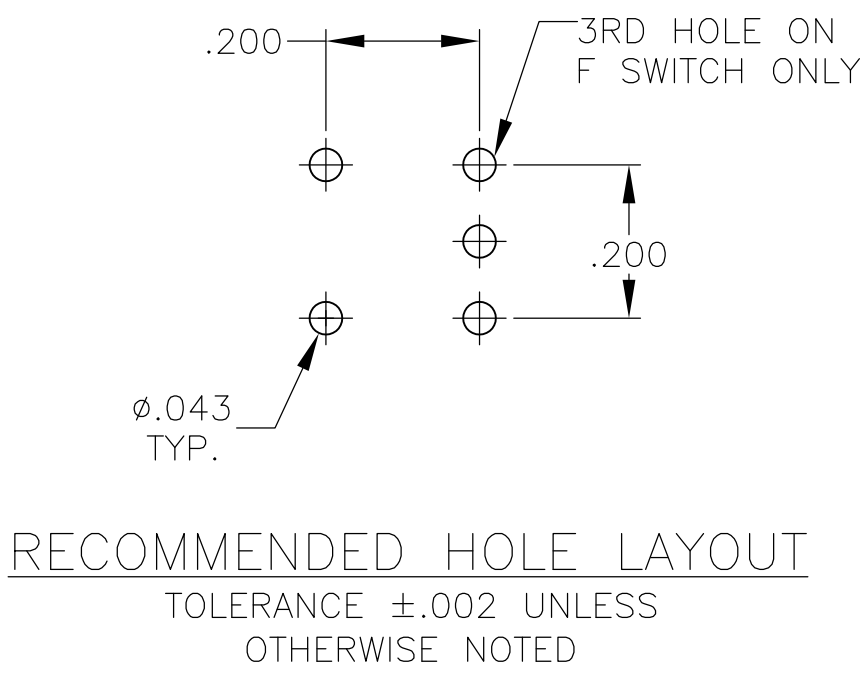
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|-----|------|-----------|-----|-------------|------|-----|------|
| AD  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | —   | SEE SHEET 1 | —    | —   | —    |

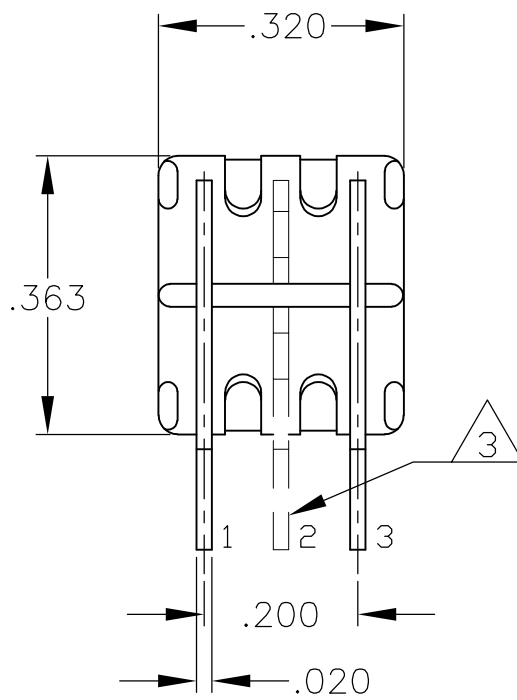
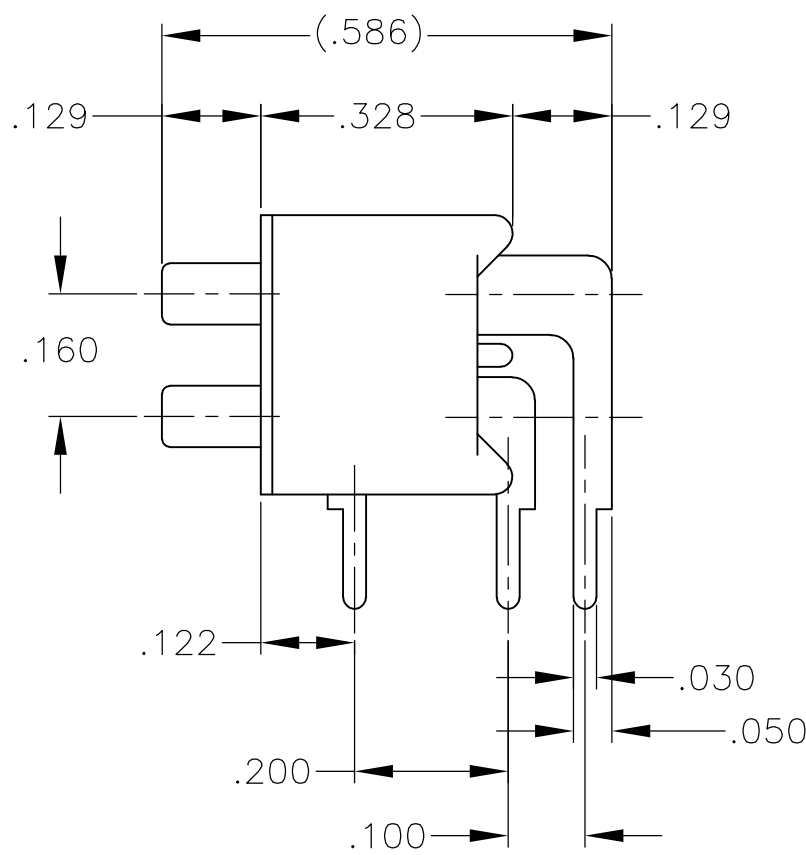
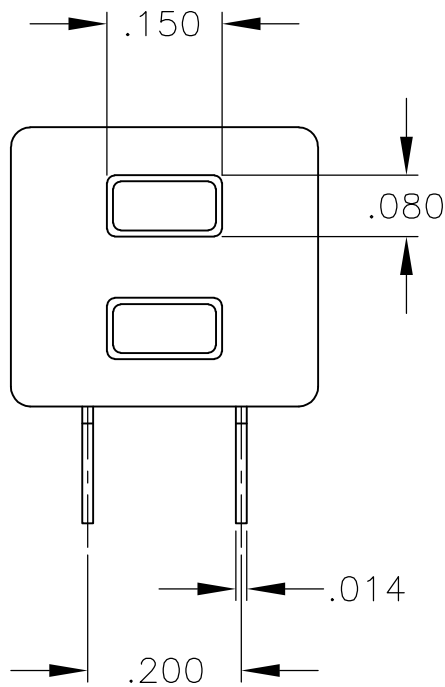
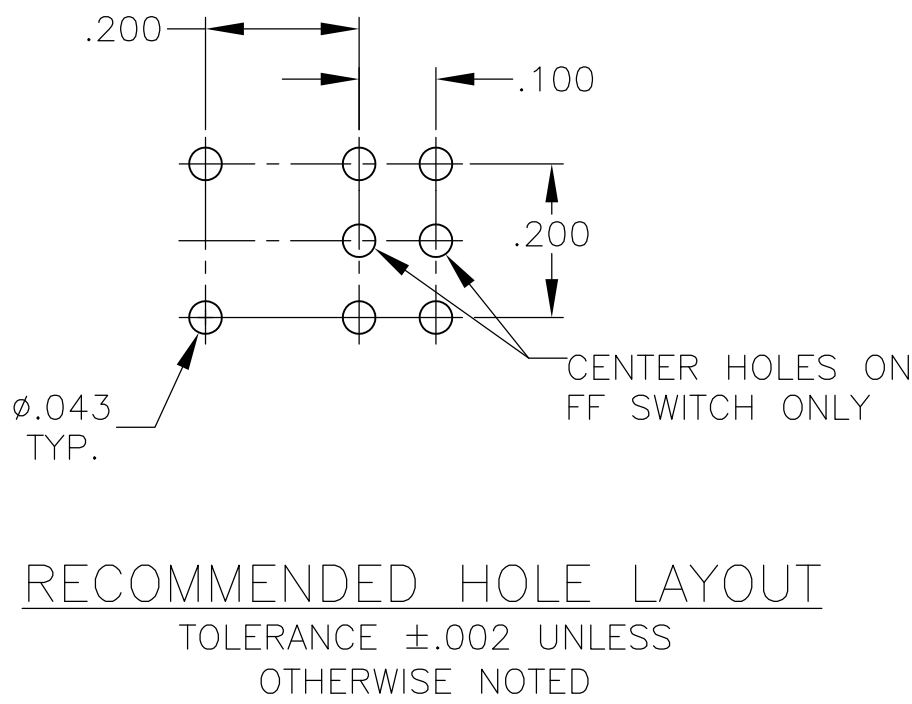
D



TP11CGRA  
TP11FGRA

C

B



TP21CCGRA  
TP21FFGRA

A

|                                        |  |                  |         |                              |           |            |               |
|----------------------------------------|--|------------------|---------|------------------------------|-----------|------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN              | 12-1-05 | TE Connectivity              |           |            |               |
| DIMENSIONS:<br>INCHES                  |  | CHK              | -       |                              |           |            |               |
|                                        |  | APVD             | -       | NAME                         |           |            |               |
|                                        |  | PRODUCT SPEC     | -       | PUSHBUTTON SWITCH, TP SERIES |           |            |               |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APPLICATION SPEC | -       | SIZE                         | CAGE CODE | DRAWING NO | RESTRICTED TO |
| 0 PLC ± -                              |  | WEIGHT           | -       | A2                           | 00779     | C=1825095  | -             |
| 1 PLC ± -                              |  | CUSTOMER DRAWING |         | SCALE                        | 1:1       | SHEET      | 3 OF 3        |
| 2 PLC ± -                              |  |                  |         |                              |           | REV        | A2            |
| 3 PLC ± .010                           |  |                  |         |                              |           |            |               |
| 4 PLC ± -                              |  |                  |         |                              |           |            |               |
| ANGLES ± 3°                            |  |                  |         |                              |           |            |               |
| FINISH                                 |  |                  |         |                              |           |            |               |
| -                                      |  |                  |         |                              |           |            |               |