

| LOC | DIST | REVISIONS |     |                           |         |     |      |
|-----|------|-----------|-----|---------------------------|---------|-----|------|
|     |      | P         | LTR | DESCRIPTION               | DATE    | DWN | APVD |
| AD  | 00   |           |     |                           |         |     |      |
|     |      |           | A3  | REVISED PER ECO-11-004820 | 11MAR11 | RK  | HMR  |

SPECIFICATIONS:  
MAKE-BEFORE-BREAK

MATERIALS:  
FRAME: STEEL, ZINC PLATE  
ACTUATOR: POM UL94HB, BLACK  
FIXED CONTACT/TERMINAL: COPPER ALLOY,  
SILVER OVER NICKEL PLATE  
MOVING CONTACT: COPPER ALLOY, SILVER CLAD  
COIL SPRING: TEMPERED STEEL WIRE  
BALL- TEMPERED CARBON STEEL  
TERMINAL BOARD: PHENOLIC, UL94HB  
TERMINAL SEAL: PHENOLIC RESIN

ELECTRICAL:  
CONTACT RATING: 250 MILLIAMPS@125V AC  
CONTACT RESISTANCE: 30 MILLIOHMS MAX (INITIAL),  
60 MILLIOHMS AFTER TEST  
INSULATION RESISTANCE: 500 MEGOHMS MIN AT 500V DC  
DIELECTRIC STRENGTH: 500 VAC RMS AT SEA LEVEL  
LIFE EXPECTANCY: 10,000 CYCLES MIN. NO LOAD

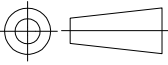
MECHANICAL:  
ACTUATION FORCE: 250 +150/-100 GRAMS  
TRAVEL: 2.49 (.098)

ENVIRONMENTAL:  
OPERATING TEMPERATURE: -10 TO +60 DEGREES C  
STORAGE TEMPERATURE: -10 TO +60 DEGREES C  
RESISTANCE TO SOLDER HEAT: 260 C FOR 10 SEC PER 109-202,  
COND. B  
SOLDERABILITY: PER EIA-364-56A, PROCEDURE 3, COND. B

NOTES:

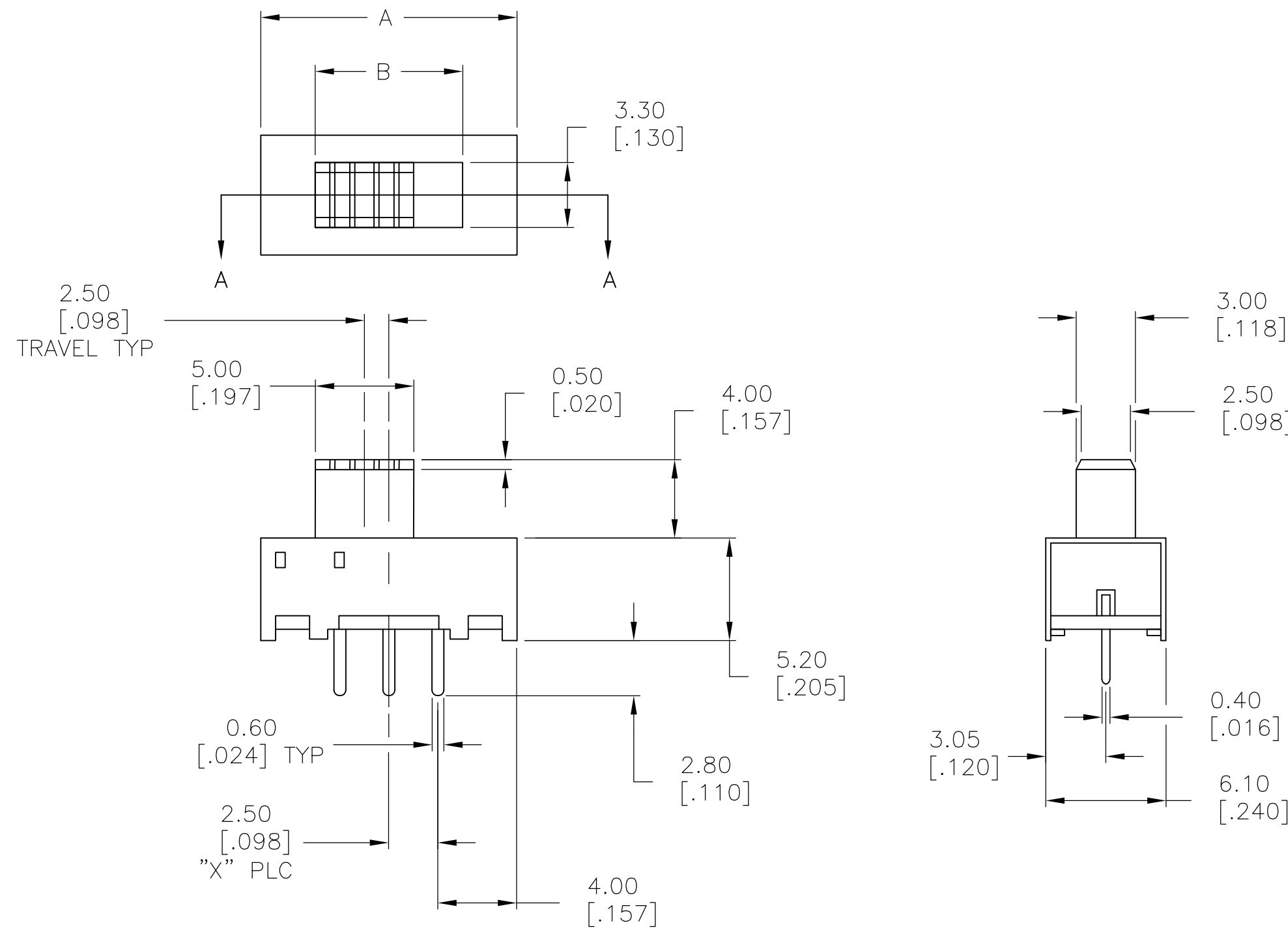
1. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
2. SEE SHEET 2 FOR FUNCTION DIAGRAM
3. ALL PERFORMANCE SPECIFICATIONS WERE TESTED IN ACCORDANCE WITH JIS-C-5441 UNLESS OTHERWISE STATED.

|       |             |             |          |                    |             |
|-------|-------------|-------------|----------|--------------------|-------------|
| 6     | 17.50[.689] | 23.01[.906] | SP6T     | STS161PC04         | 1825159-5   |
| 5     | 15.01[.591] | 20.50[.807] | SP5T     | STS151PC04         | 1825159-4   |
| 4     | 12.50[.492] | 18.01[.709] | SP4T     | STS141PC04         | 1825159-3   |
| 3     | 10.01[.394] | 15.50[.610] | SP3T     | STS131PC04         | 1825159-2   |
| 2     | 7.49[.295]  | 13.00[.512] | SPDT     | STS121PC04         | 1825159-1   |
| X PLC | DIM B       | DIM A       | FUNCTION | T&B<br>PART NUMBER | PART NUMBER |

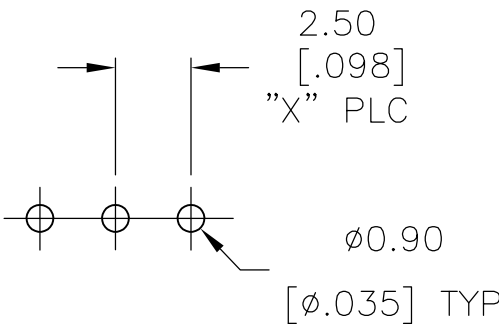
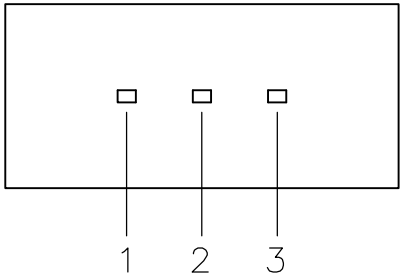
|                                                                                       |  |                       |              |                                                                                                       |                    |
|---------------------------------------------------------------------------------------|--|-----------------------|--------------|-------------------------------------------------------------------------------------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>B.S.VISWESWARA | 16MAR05      |  TE Connectivity |                    |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | CHK<br>M.S.SARVER     | -            |                                                                                                       |                    |
|  |  | APVD<br>-             | -            | NAME<br>SLIDE SWITCH<br>STS121PC TO STS161PC SERIES<br>-                                              |                    |
|                                                                                       |  | PRODUCT SPEC<br>-     | -            |                                                                                                       |                    |
| MATERIAL<br>-                                                                         |  | APPLICATION SPEC<br>- | -            | SIZE<br>A2                                                                                            | RESTRICTED TO<br>- |
| FINISH<br>-                                                                           |  | WEIGHT<br>-           | -            | CAGE CODE<br>00779                                                                                    | REV<br>A3          |
| RESTRICTED CUSTOMER                                                                   |  |                       | SCALE<br>4:1 | SHEET<br>1 OF 2                                                                                       |                    |

|         |      |      |      |           |            |               |
|---------|------|------|------|-----------|------------|---------------|
| 16MAR05 | APVD | NAME | SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
| -       | -    | -    | A2   | 00779     | C=1825159  | -             |

|       |     |       |        |     |    |
|-------|-----|-------|--------|-----|----|
| SCALE | 4:1 | SHEET | 1 OF 2 | REV | A3 |
|-------|-----|-------|--------|-----|----|



1825159-1 AS SHOWN



P.C. HOLE LAYOUT

4

3

2

1

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

PART NUMBER

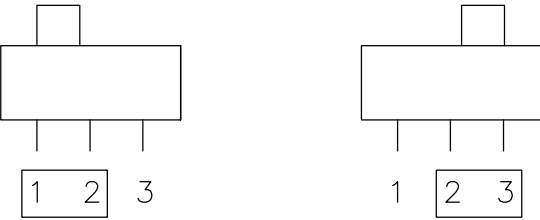
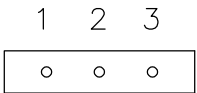
FUNCTION

BOTTOM VIEW

FUNCTION DIAGRAM

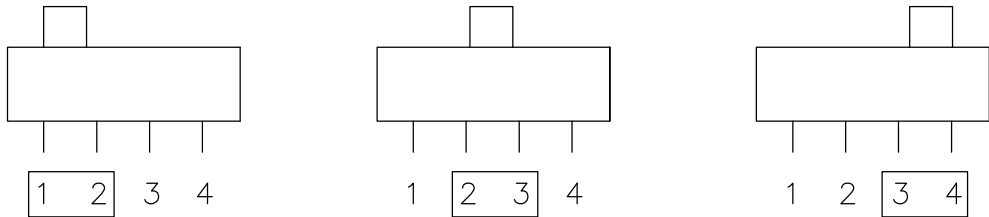
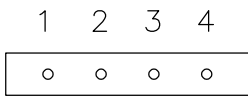
1825159-1

SPDT



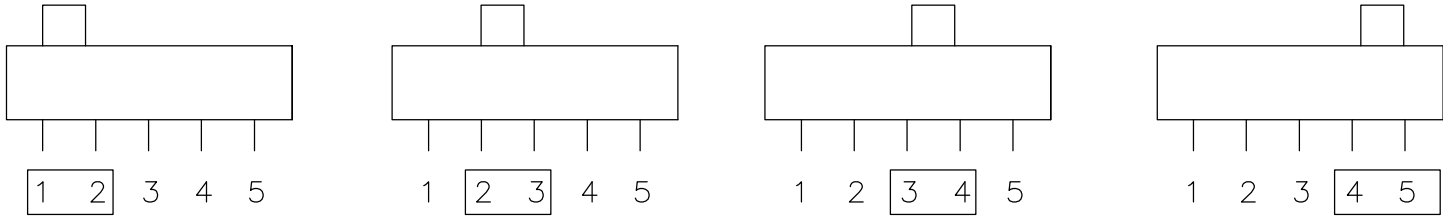
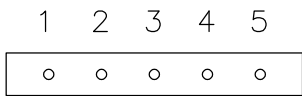
1825159-2

SP3T



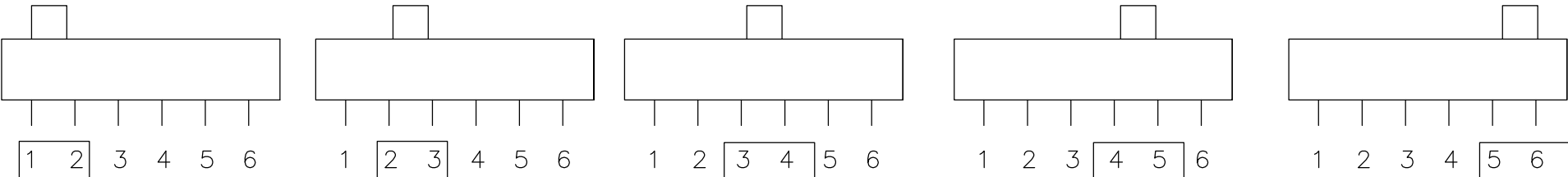
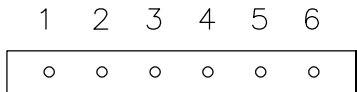
1825159-3

SP4T



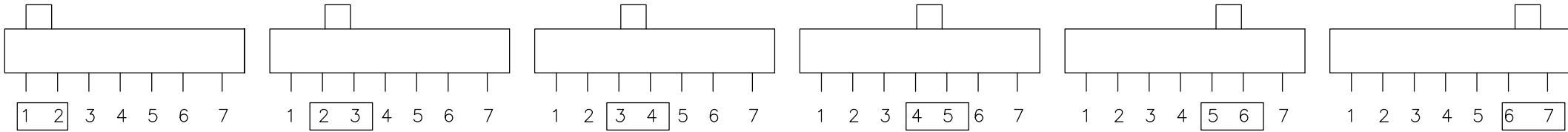
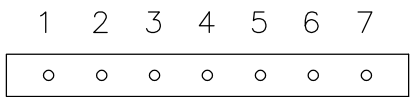
1825159-4

SP5T



1825159-5

SP6T



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm [INCHES]

MATERIAL  
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

|        |   |            |
|--------|---|------------|
| 0 PLC  | ± | -          |
| 1 PLC  | ± | -          |
| 2 PLC  | ± | 0.20[.008] |
| 3 PLC  | ± | -          |
| 4 PLC  | ± | -          |
| ANGLES | ± | -          |

FINISH  
-

DWN  
B.S.VISWESWARA

CHK  
M.S.SARVER

APVD  
-

PRODUCT SPEC  
-

APPLICATION SPEC  
-

WEIGHT  
-

RESTRICTED CUSTOMER

16MAR05

TE Connectivity

NAME  
SLIDE SWITCH  
STS121PC TO STS161PC SERIES

|            |                    |                         |                    |
|------------|--------------------|-------------------------|--------------------|
| SIZE<br>A2 | CAGE CODE<br>00779 | DRAWING NO<br>C=1825159 | RESTRICTED TO<br>- |
|------------|--------------------|-------------------------|--------------------|

|              |                 |           |
|--------------|-----------------|-----------|
| SCALE<br>4:1 | SHEET<br>2 OF 2 | REV<br>A3 |
|--------------|-----------------|-----------|

1825159