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| Loc | | DIST | | REVISIONS | | | |
|-----|----|------|-----|---------------|-----------|-----|------|
| AD | 00 | P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | | A2 | | ECO-06-029077 | 05FEB2007 | RB | MS |

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

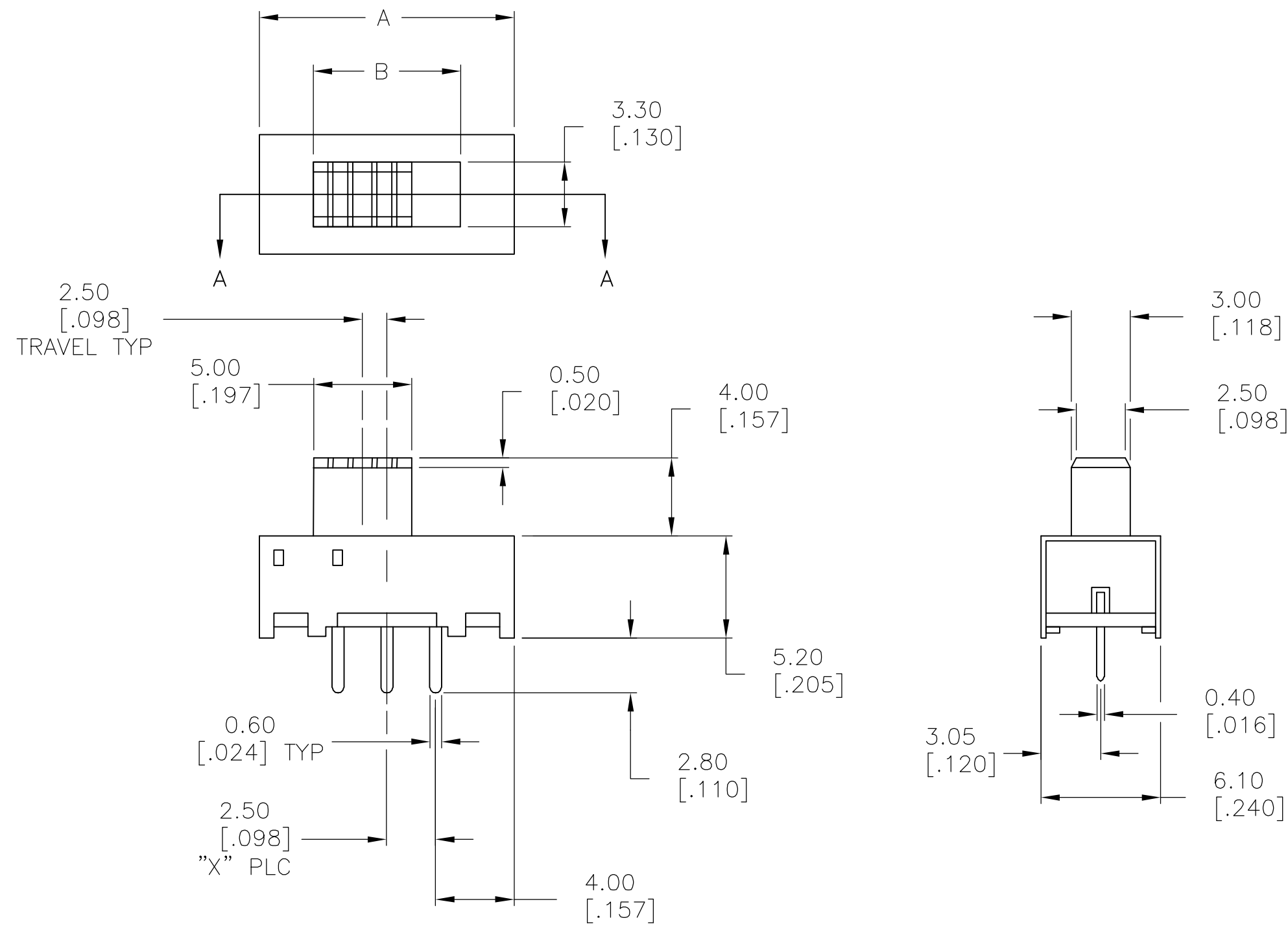
ELECTRICAL:
 CONTACT RATING: 250 MILLIAMPS@125V AC
 CONTACT RESISTANCE: 30 MILLIOHMS MAX (INITIAL), 60 MILLIOHMS AFTER TEST
 INSULATION RESISTANCE: 500 MEGOHMS MIN AT 500V DC
 DIELECTRIC STRENGTH: 500 VAC RMS AT SEA LEVEL
 LIFE EXPECTANCY: 10,000 CYCLES MIN. NO LOAD

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

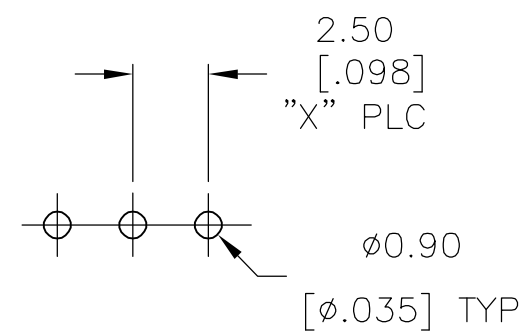
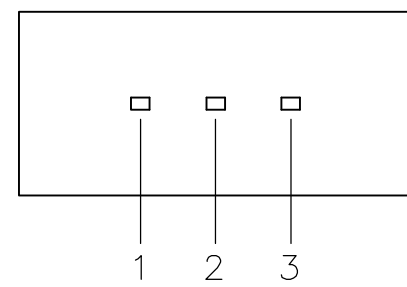
ENVIRONMENTAL:
 OPERATING TEMPERATURE: -10 TO +60 DEGREES C
 STORAGE TEMPERATURE: -10 TO +60 DEGREES C
 RESISTANCE TO SOLDER HEAT: 260 C FOR 10 SEC PER 109-202, COND. B
 SOLDERABILITY: PER EIA-364-56A, PROCEDURE 3, COND. B

NOTES:

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



1825159-1 AS SHOWN



P.C HOLE LAYOUT

| | | | | | |
|-------|-------------|-------------|----------|-----------------|------------------|
| 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 PART NUMBER | TYCO PART NUMBER |

| | | | | | |
|--|--|-----------------------|-----------|---|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN B.S.VISWESWARA | 16MAR05 | tyco Tyco Electronics Corporation Harrisburg, Pa 17105-3608 | |
| DIMENSIONS: mm [INCHES] | | CHK M.S.SARVER | APVD - | NAME | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | PRODUCT SPEC | | SLIDE SWITCH STS121PC TO STS161PC SERIES | |
| 0 PLC ± - | | APPLICATION SPEC | | SIZE CAGE CODE DRAWING NO RESTRICTED TO | |
| 1 PLC ± - | | - | | A2 00779 C=1825159 | |
| 2 PLC ± 0.20[.008] | | - | | SCALE 4:1 SHEET 1 OF 2 REV A2 | |
| 3 PLC ± - | | - | | - | |
| 4 PLC ± - | | - | | - | |
| ANGLES ± - | | - | | - | |
| FINISH | | WEIGHT | | - | |
| - | | - | | - | |
| CUSTOMER DRAWING | | | | | |

1825159

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

PART NUMBER

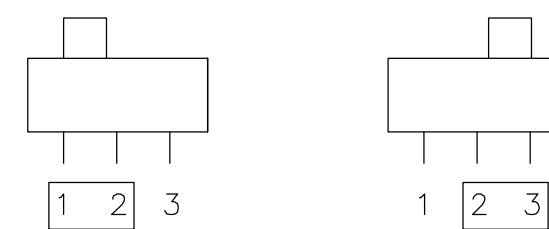
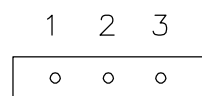
FUNCTION

BOTTOM VIEW

FUNCTION DIAGRAM

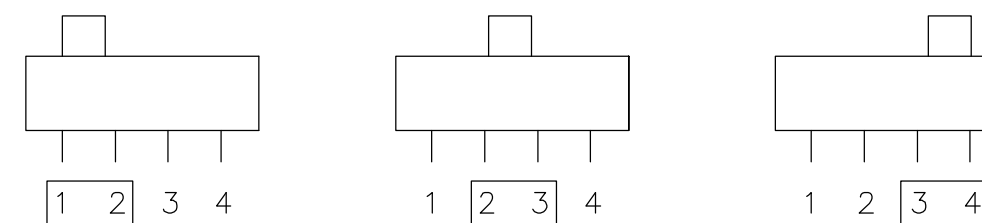
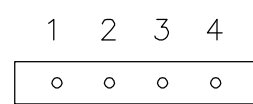
1825159-1

SPDT



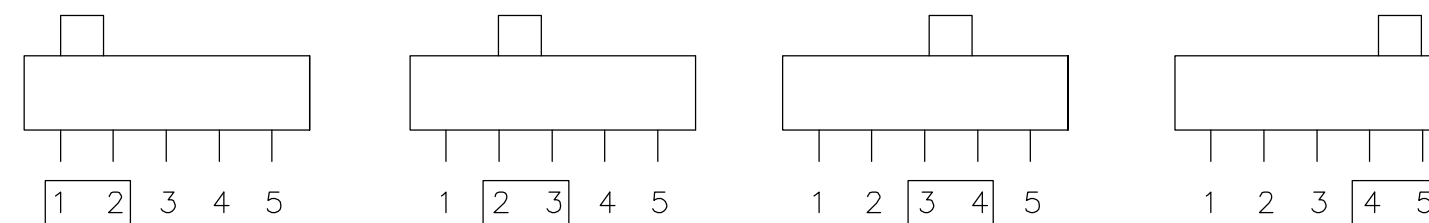
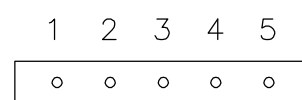
1825159-2

SP3T



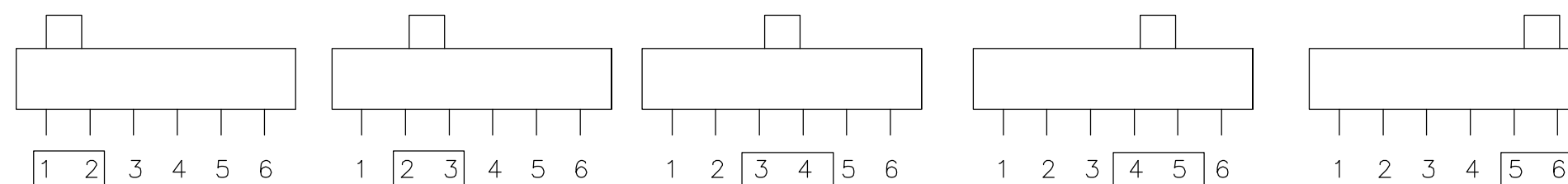
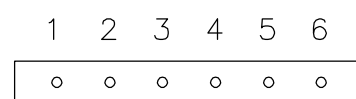
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SP4T



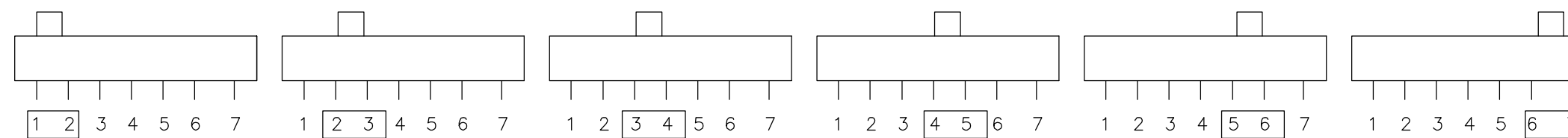
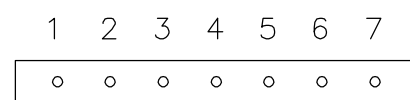
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SP5T



1825159-5

SP6T



| | | | | | | |
|--|--|-----------------------|-----------|----------------------------|---|-------------------------|
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| DIMENSIONS: mm [INCHES] | | CHK M.S.SARVER | APVD - | | NAME SLIDE SWITCH STS121PC TO STS161PC SERIES | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | PRODUCT SPEC - | | APPLICATION SPEC - | | |
| 0 PLC ± - | | WEIGHT - | | SIZE A2 | CAGE CODE 00779 | DRAWING NO C=1825159 |
| 1 PLC ± - | | CUSTOMER DRAWING | | SCALE 4:1 | SHEET 2 | OF 2 |
| 2 PLC ± 0.20[.008] | | | | REV A2 | | |
| 3 PLC ± - | | | | RESTRICTED TO - | | |
| 4 PLC ± - | | | | | | |
| ANGLES ± - | | | | | | |
| FINISH - | | | | | | |

1825159

A