

HOLE LAYOUT

SPECIFICATIONS: BREAK-BEFORE-MAKE

MATERIALS:

- FRAME - STEEL, TIN PLATE
- ACTUATOR - STEEL, ZINC PLATE
- SLIDER - POLYCARBONATE UL94V-2, BLACK
- MOVING CONTACT - COPPER ALLOY, SILVER PLATE
- FIXED CONTACT/TERMINAL - COPPER ALLOY, SILVER PLATE
- TERMINAL BOARD - PHENOLIC UL94HB, NATURAL
- TERMINAL SEAL - EPOXY

ELECTRICAL:

- CONTACT RATING - 250 MILLIAMP@125V AC, 150 MILLIAMP@12V DC
- INITIAL CONTACT RESISTANCE - 30 MILLIOHMS MAX
- INSULATION RESISTANCE - 500 MEGOHMS MIN
- DIELECTRIC STRENGTH - 500 VOLTS RMS AT SEA LEVEL
- LIFE EXPECTANCY - 10,000 CYCLES MIN, NO LOAD & 6,000 MIN AT RATED CURRENT

MECHANICAL:

- ACTUATION FORCE - 100-300 GRAMS
- TRAVEL - .157

ENVIRONMENTAL:

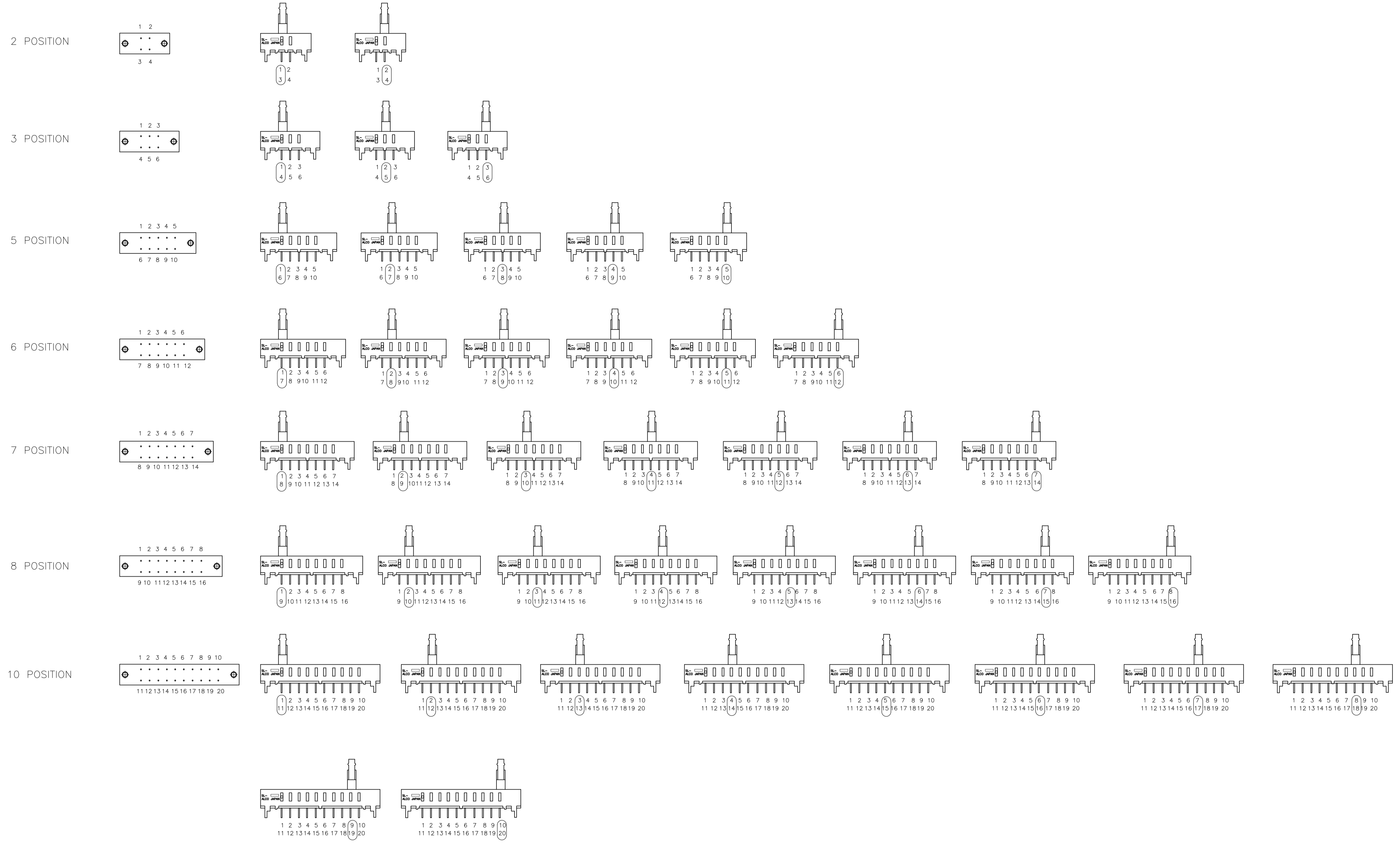
- OPERATING TEMPERATURE : -10 TO +60°C
- STORAGE TEMPERATURE : -10 TO +60°C
- RESISTANCE TO SOLDER HEAT - 260°C FOR 10 SEC PER 109-202, CONDITION B
- SOLDERABILITY PER EIA-364-56A, PROCEDURE 3, CONDITION B

- FOR FUNCTION DIAGRAM SEE SHEET 2 OF 2.
- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
- ANTI SOLDER WICK SEAL (SHOW THIS AT THE TERMINAL TO BOARD INTERFACE).
- IF THE SWITCH IS FROM TAIWAN, "ALCO TWN" WILL APPEAR ON THE LEFT SIDE OF THE SWITCH REPLACING THE "ALCO JAPAN" STAMP AND THE SWITCH MODEL NO. WILL APPEAR ON THE RIGHT SIDE OF THE SWITCH.
- ALL PERFORMANCE SPECIFICATIONS WERE TESTED IN ACCORDANCE WITH JIS-C-5441 UNLESS OTHERWISE STATED.

| 12.90 [.508] | 40.00 [1.575] | 36 [1.413] | 51.00 [2.020] | 9 SPACE | 51.00 [2.020] | 56.00 [2.210] | 10 POS | SL10004 | 1825073-7 |
|--------------|---------------|---------------|---------------|---------|---------------|---------------|--------|----------|-----------|
| 13.20 [.520] | 32.00 [1.260] | 28.00 [1.102] | 43.00 [1.700] | 7 SPACE | 43.00 [1.700] | 48.00 [1.890] | 8 POS | SL88004 | 1825073-6 |
| 12.90 [.508] | 28.00 [1.102] | 24.00 [.945] | 39.00 [1.540] | 6 SPACE | 39.00 [1.540] | 44.00 [1.740] | 7 POS | SL77004 | 1825073-5 |
| 12.90 [.508] | 24.00 [.945] | 20.00 [.7875] | 35.00 [1.380] | 5 SPACE | 35.00 [1.380] | 40.00 [1.580] | 6 POS | SL66004 | 1825073-4 |
| 12.90 [.508] | 20.00 [.787] | 16.00 [.630] | 31.00 [1.220] | 4 SPACE | 31.00 [1.220] | 36.00 [1.420] | 5 POS | SL55004 | 1825073-3 |
| 12.90 [.508] | 12.00 [.172] | 8.00 [.315] | 23.00 [.910] | 2 SPACE | 23.00 [.910] | 28.00 [1.110] | 3 POS | SL33004 | 1825073-2 |
| 12.90 [.508] | 8.00 [.315] | 4.00 [.1575] | 19.00 [.750] | 1 SPACE | 19.00 [.750] | 24.00 [.950] | 2 POS | SL22004 | 1825073-1 |
| DIM H | DIM F | DIM E | DIM D | DIM C | DIM B | DIM A | POS | ALCO P/N | TE P/N |

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|--|--|--|--|---|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DIN 17FEB05 | | Tyco Electronics Corporation Harrisburg, PA 17105-3608 | |
| DIMENSIONS: mm [INCHES] | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | | Tyco Electronics Corporation | |
| 0 PLC ± - | | 1 PLC ± - | | M.S.SARVER | |
| 2 PLC ± 0.25[.010] | | 3 PLC ± - | | NAME | |
| 4 PLC ± - | | ANGLES ± - | | PRODUCT SPEC | |
| MATERIAL SEE SPECIFICATIONS | | FINISH SEE SPECIFICATIONS | | APPLICATION SPEC | |
| WEIGHT | | SIZE | | CAGE CODE | |
| CUSTOMER DRAWING | | A1 00779 | | DRAWING NO | |
| SCALE 2:1 | | SHEET 1 OF 2 | | RESTRICTED TO | |
| | | 1825073 | | REV C | |

OF POS. BOTTOM VIEW



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|--|--|--|------------|------------|---|------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DIN | BSV | 17FEB05 | Tyco Electronics Corporation Harrisburg, PA 17105-3608 | |
| DIMENSIONS: mm [INCHES] | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | 0. PLC ± - | 1. PLC ± - | 2. PLC ± 0.25[.010] | 3. PLC ± - |
| MATERIAL SEE SHEET 1 | | FINISH SEE SHEET 1 | 4. PLC ± - | ANGLES ± - | NAME SLIDE SWITCH, SL SERIES | |
| CUSTOMER DRAWING | | SCALE | 2:1 | SHEET | 2 OF 2 | REV |
| SIZE | | A1 | CAGE CODE | 00779 | DRAWING NO. | 1825073 |
| RESTRICTED TO | | | | | | |