



RECOMMENDED BOARD LAYOUT

SPECIFICATIONS
 MAKE-BEFORE-BREAK

MATERIALS:
 ACTUATOR- POM, UL94HB BLACK
 TERMINAL BOARD- PHENOLIC LAMINATED SHEET, UL94HB, NATURAL
 FRAME- STEEL, NICKEL PLATE
 TERMINAL/FIXED CONTACT- COPPER ALLOY, GOLD OR SILVER OVER NICKEL PLATE
 MOVING CONTACT- COPPER ALLOY, GOLD OR SILVER OVER NICKEL PLATE
 DETENT BALL- STEEL
 COIL SPRING- GALVANIZED SPRING WIRE
 SEAL- EPOXY

ELECTRICAL:
 CONTACT RATING- .4VA@20VDC OR PEAK AC (GOLD); 300mA@125V AC (SILVER)
 INITIAL CONTACT RESISTANCE- 30 milliohm max.
 FINAL CONTACT RESISTANCE- 100 milliohm max. (AFTER TEST)
 INSULATION RESISTANCE- 1,000 Megohms min.
 DIELECTRIC STRENGTH- 500V RMS@SEA LEVEL
 LIFE EXPECTANCY- 15,000 CYCLES MIN.

MECHANICAL:
 ACTUATION FORCE- 600+/-300 GRAMS
 TRAVEL- 2.0 +/-0.50 (0.079 +/-0.020)

ENVIRONMENTAL:
 OPERATING TEMPERATURE- -20 TO +85 DEGREES C
 STORAGE TEMPERATURE- -40 TO +100 DEGREES C
 RESISTANCE TO SOLDER HEAT PER 109-202, CONDITION B
 SOLDERABILITY PER EIA-364-52, CLASS 2, CATEGORY 1, 95% MIN COVERAGE

NOTES:

- MARK PER 202-37 SPECIFICATION, *tyco*/CHINA MINIMUM REQUIREMENT
- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
- ANTI SOLDER WICK SEAL AT TERMINAL TO BOARD INTERFACE
- ALL PERFORMANCE TESTING WAS DONE IN ACCORDANCE TO TYCO SPECIFICATION 102-2469

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|---------------|--------------|---------|------------------|------------------|
| 1825261-2 | MSS2200G04 | GOLD | 2 TO 1 5 TO 4 | 2 TO 3 5 TO 6 |
| 1825261-1 | MSS220004 | SILVER | 2 TO 1 5 TO 4 | 2 TO 3 5 TO 6 |
| TYCO PART NO. | T&B PART NO. | PLATING | | |

THIS DRAWING IS A CONTROLLED DOCUMENT.

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|------------------|--|-----------------|---------------------|---|---|
| DIMENSIONS: mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: | DWG: R BROWN | 21DEC05 | | Tyco Electronics Corporation Harrisburg, Pa 17105-3608 |
| 0 PLC ± - | 1 PLC ± 0.3 [0.12] | CHK: M SARVER | 21DEC05 | | |
| | 2 PLC ± - | APP'D: M SARVER | 21DEC05 | NAME: SLIDE SWITCH, MSS 2200 SERIES, VERTICAL | |
| MATERIAL: - | FINISH: - | PRODUCT SPEC: - | APPLICATION SPEC: - | SIZE: A1 | CAGE CODE: 00779 |
| CUSTOMER DRAWING | | | SCALE: 4:1 | SHEET: 1 OF 1 | REV: A |