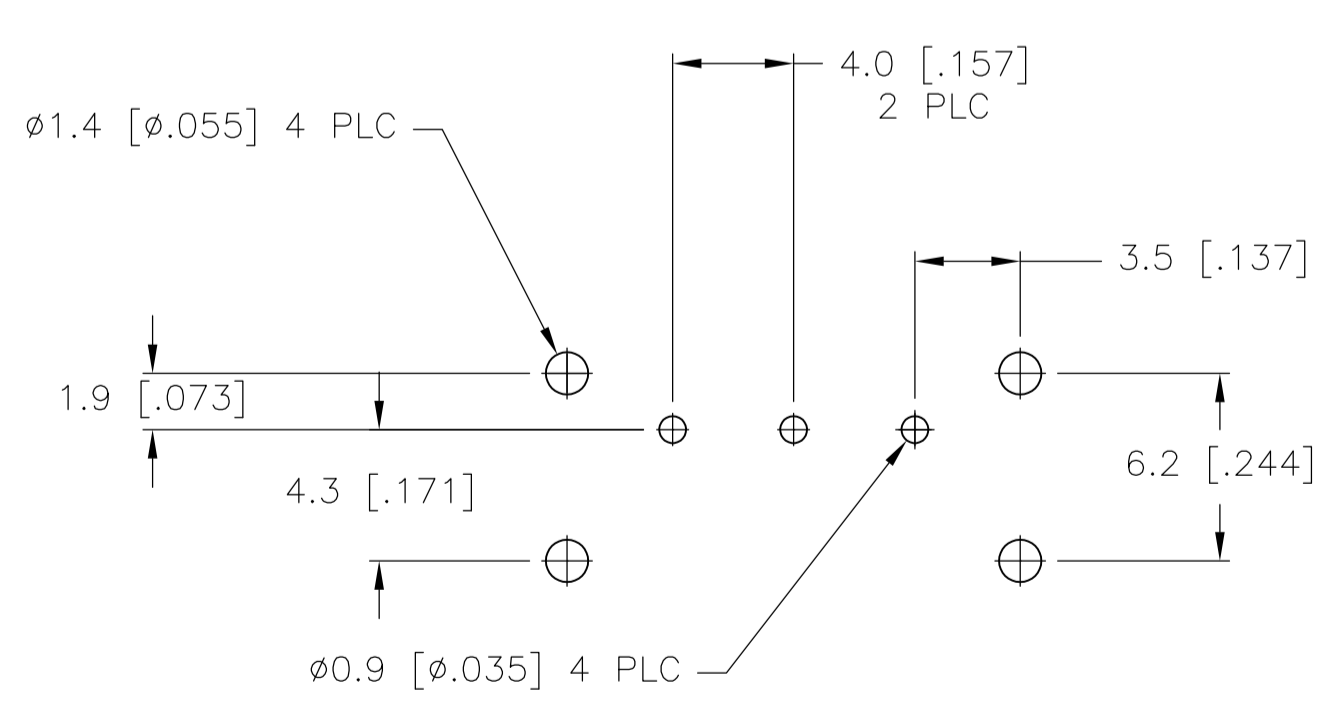


RECOMMENDED BOARD LAYOUT
PC LAYOUT TOLERANCE: ±0.02

MHS-133 SERIES SWITCH



RECOMMENDED BOARD LAYOUT
PC LAYOUT TOLERANCE: ±0.02

MHS-122 & 123 SERIES SWITCH

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
- LEVER,(K SERIES ONLY)- ALUMINUM
- SEAL- EPOXY

ELECTRICAL:

- CONTACT RATING- .4VA@20VDC OR PEAK AC (GOLD); 300mA@125V AC (SILVER)PER EIA-448, METHOD
- 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 (.079 +/-0.020) ["SEE P/N TABLE" for 1825256 & 1825290]

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:

- 1 COUNTRY OF ORIGIN AND TE CONNECTIVITY LOGO LOCATED APPROXIMATELY AS SHOWN
- 2 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
- 3 ANTI SOLDER WICK SEAL AT TERMINAL TO BOARD INTERFACE
- 4 ALL PERFORMANCE TESTING WAS DONE IN ACCORDANCE TO TE CONNECTIVITY SPECIFICATION 102-2469
- 5 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI
- 6 ACTUATOR SUPPLIED IN POSITION SHOWN.

| | | | | | | | | | |
|----------------------|------------------------|-----------------|---------|-----|-----|------|-----|-----|-----|
| 1825256-6 | MHS133GRA04 | 2.00 | | - | 2-1 | - | 2-3 | - | 2-4 |
| 1825256-5 | MHS123GRA04 | 2.00 | GOLD | 2-1 | - | OFF | - | 2-3 | - |
| 1825256-4 | MHS122GRA04 | 4.00 | | 2-1 | - | NONE | - | 2-3 | - |
| 1825256-3 | MHS133RA04 | 2.00 | | - | 2-1 | - | 2-3 | - | 2-4 |
| 1825256-2 | MHS123RA04 | 2.00 | SILVER | 2-1 | - | OFF | - | 2-3 | - |
| 1825256-1 | MHS122RA04 | 4.00 | | 2-1 | - | NONE | - | 2-3 | - |
| PART NO. | T&B PART NO. | TRAVEL | CONTACT | | | | | | |

TERMINALS CONNECTED WHEN SLIDE IS IN POSITION SHOWN.

| | | | | | |
|---|--|------------------|---------|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN R BROWN | 20DEC05 | TE Connectivity | |
| DIMENSIONS: mm | | CHK M SARVER | 19MAY03 | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD M SARVER | | NAME | |
| 0 PLC ± - 1 PLC ± 0.3 [.012] 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± 1° | | PRODUCT SPEC | | SLIDE SWITCH, MHS SERIES, SINGLE POLE, RIGHT ANGLE | |
| MATERIAL | | APPLICATION SPEC | | SIZE | |
| FINISH | | WEIGHT | | CAGE CODE | |
| | | CUSTOMER DRAWING | | DRAWING NO. | |
| | | SCALE 4:1 | | DRAWING NO. A100779 | |
| | | SHEET 1 of 1 | | REV A4 | |

Mouser Electronics

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