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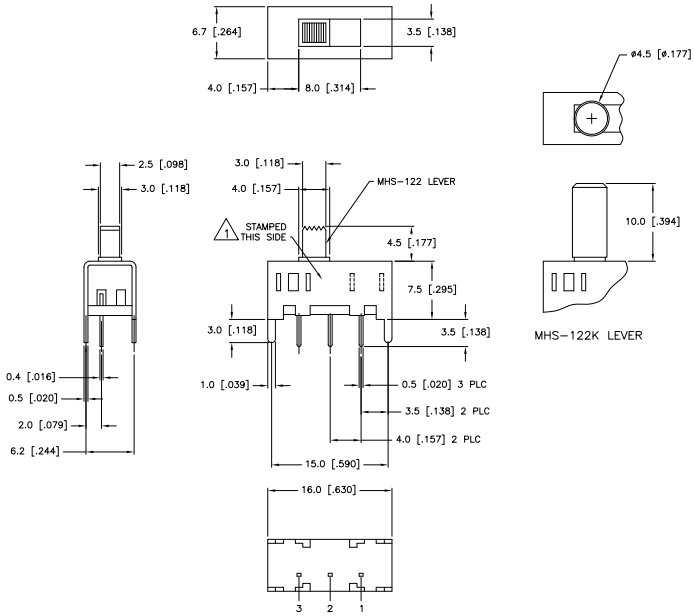
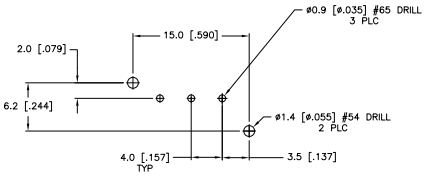
| LOC | DIST |
|---|---|
| AD | 00 |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | A3 | REVISED PER ECO-11-004587 | 11MAR11 | RK | HMR |




RECOMMENDED BOARD LAYOUT
PC LAYOUT TOLERANCE: ±.002

# MHS-122 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 NICKLE 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)
INITIAL CONTACT RESISTANCE- 30 milliohm max.
FINAL CONTACT RESISTANCE- 100 milliohm max. (AFTER TEST)
INSULTAION RESISTANCE- 1,000 Megohms min.
DIELECTRIC STRENGTH- 500V RMS@SEA LEVEL
LIFE EXPECTANCY- 15,000 CYCLES MIN.

MECHANICAL:
ACTUATION FORCE- 600+/-300 GRAMS
TRAVEL- SEE P/N TABLE

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

| | PART NO. | T&B PART NO. | TYPE | TRAVEL | PLATING | TERMINALS CONNECTED WHEN SLIDE IS IN POSITION SHOWN. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OBSOLETE 5 | 1-1825255-0 | MHS133KG04 | SP3T | 2.00 | GOLD | - | 2-1 | - | 2-3 | - | 2-4 |
| | 1825255-9 | MHS133K04 | SP3T | 2.00 | SILVER | - | 2-1 | - | 2-3 | - | 2-4 |
| | 1825255-8 | MHS133G04 | SP3T | 2.00 | GOLD | - | 2-1 | - | 2-3 | - | 2-4 |
| | 1825255-7 | MHS13304 | SP3T | 2.00 | SILVER | - | 2-1 | - | 2-3 | - | 2-4 |
| | - | MHS123KG04 | SPDT | 2.00 | GOLD | 2-1 | - | OFF | - | 2-3 | - |
| | 1825255-6 | MHS123K04 | SPDT | 2.00 | SILVER | 2-1 | - | OFF | - | 2-3 | - |
| | - | MHS123G04 | SPDT | 2.00 | GOLD | 2-1 | - | OFF | - | 2-3 | - |
| | 1825255-5 | MHS12304 | SPDT | 2.00 | SILVER | 2-1 | - | OFF | - | 2-3 | - |
| OBSOLETE 5 | 1825255-4 | MHS122KG04 | SPDT | 4.00 | GOLD | 2-1 | - | NONE | - | 2-3 | - |
| | 1825255-3 | MHS122K04 | SPDT | 4.00 | SILVER | 2-1 | - | NONE | - | 2-3 | - |
| | 1825255-2 | MHS122G04 | SPDT | 4.00 | GOLD | 2-1 | - | NONE | - | 2-3 | - |
| | 1825255-1 | MHS12204 | SPDT | 4.00 | SILVER | 2-1 | - | NONE | - | 2-3 | - |

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| | |
|---|---|
| DRAWN | R BROWN 21DEC05 |
| CHK | M SARVER 21DEC05 |
| APVD | M SARVER 21DEC05 |
| PRODUCT SPEC | - |
| APPLICATION SPEC | - |
| WEIGHT | - |
| DIMENSIONS: mm | TOLERANCE UNLESS OTHERWISE SPECIFIED: 0 PLC ± -, 1 PLC ± 0.3 [.012], 2 PLC ± -, 3 PLC ± -, 4 PLC ± -, ANGLES ± 2° |
| MATERIAL | - |
| FINISH | - |

TE Connectivity

NAME: SLIDE SWITCH, MHS SERIES, SINGLE POLE, VERTICAL

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-1825255 | - |

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 2 | REV A3

4805 (3/11)

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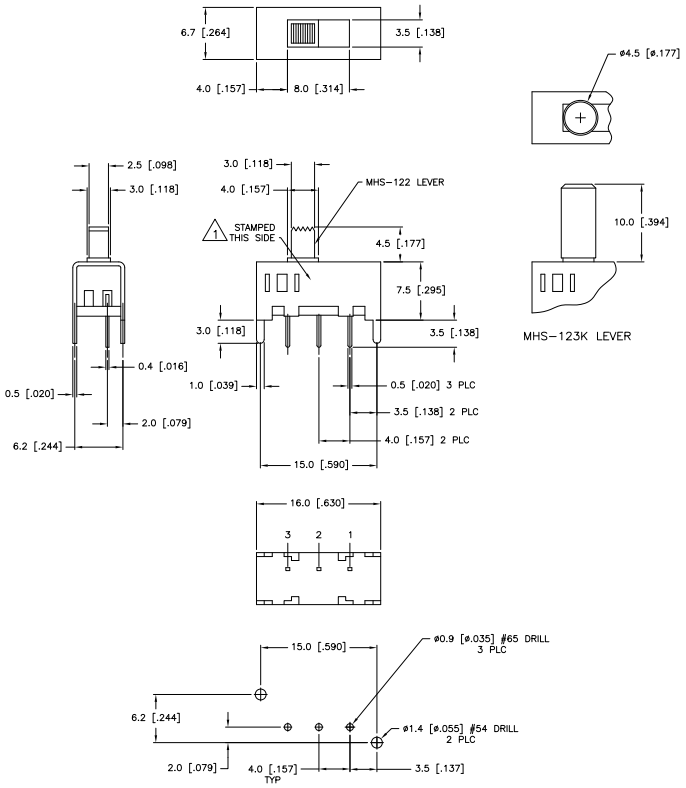
REVISIONS

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

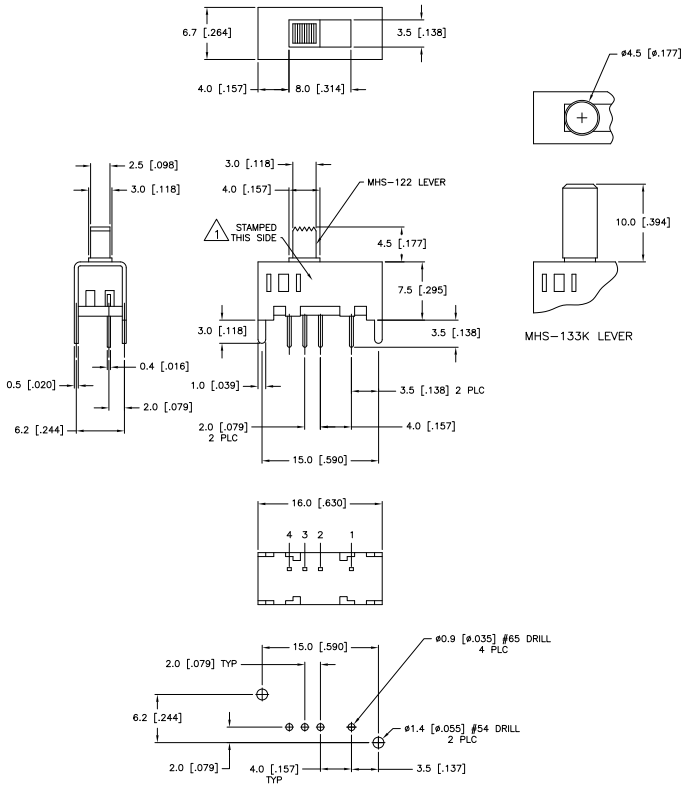






RECOMMENDED BOARD LAYOUT
PC LAYOUT TOLERANCE: ±.002

## MHS-123 SERIES SWITCH







RECOMMENDED BOARD LAYOUT
PC LAYOUT TOLERANCE: ±.002

## MHS-133 SERIES SWITCH

| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | TRN R. BROWN 21DEC05 | TE Connectivity | |
| DIMENSIONS: mm | CHK M. SARVER 21DEC05 | NAME SLIDE SWITCH, MHS SERIES, SINGLE POLE, VERTICAL | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± -, 1 PLC ± 0.3 [.012], 2 PLC ± -, 3 PLC ± -, 4 PLC ± -, ANGLES ± 1° | APVD M. SARVER 21DEC05 | PRODUCT SPEC - | |
| MATERIAL - | FINISH - | APPLICATION SPEC - | |
| | | WEIGHT - | SIZE A1 CAGE CODE 00779 DRAWING NO C-1825255 RESTRICTED TO - |
| | | CUSTOMER DRAWING | SCALE 4:1 SHEET 2 OF 2 REV A3 |



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