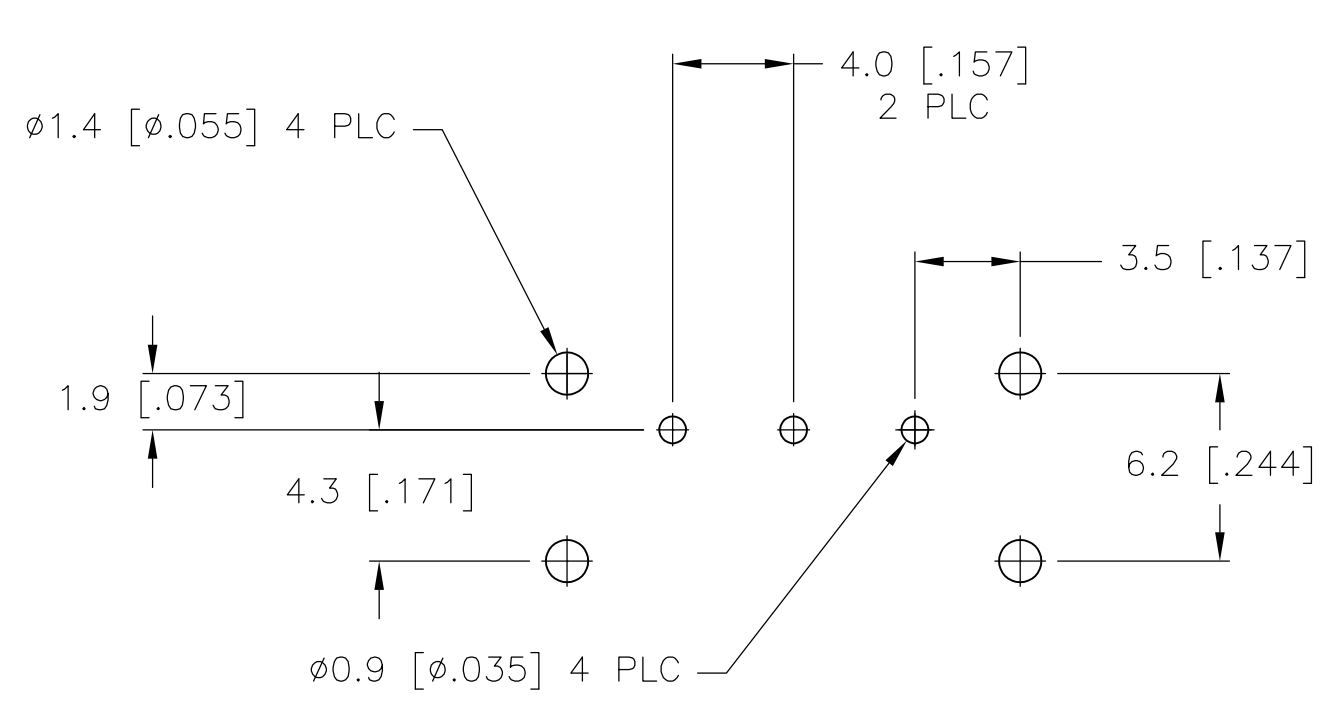


RECOMMENDED BOARD LAYOUT  
PC LAYOUT TOLERANCE: ±0.02

### 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:

- COUNTRY OF ORIGIN AND TE CONNECTIVITY LOGO LOCATED APPROXIMATELY AS SHOWN
- 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 TE CONNECTIVITY SPECIFICATION 102-2469
- OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI
- ACTUATOR SUPPLIED IN POSITION SHOWN.

1825256-6	MHS133GRA04	2.00		-	2-1	-	2-3	-	2-4
<del>1825256-5</del>	<del>MHS123GRA04</del>	<del>2.00</del>	GOLD	2-1	-	OFF	-	2-3	-
<del>1825256-4</del>	<del>MHS122GRA04</del>	<del>4.00</del>		2-1	-	NONE	-	2-3	-
1825256-3	MHS133RA04	2.00		-	2-1	-	2-3	-	2-4
<del>1825256-2</del>	<del>MHS123RA04</del>	<del>2.00</del>	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 CHK M SARVER	20DEC05 19MAY03	TE Connectivity
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		
		0 PLC ± - 1 PLC ± 0.3 [.012] 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± 1°		NAME M SARVER PRODUCT SPEC APPLICATION SPEC
MATERIAL		FINISH		SIZE A1 CAGE CODE 00779 DRAWING NO. 1825256
CUSTOMER DRAWING		SCALE 4:1		SHEET 1 OF 1 REV A4