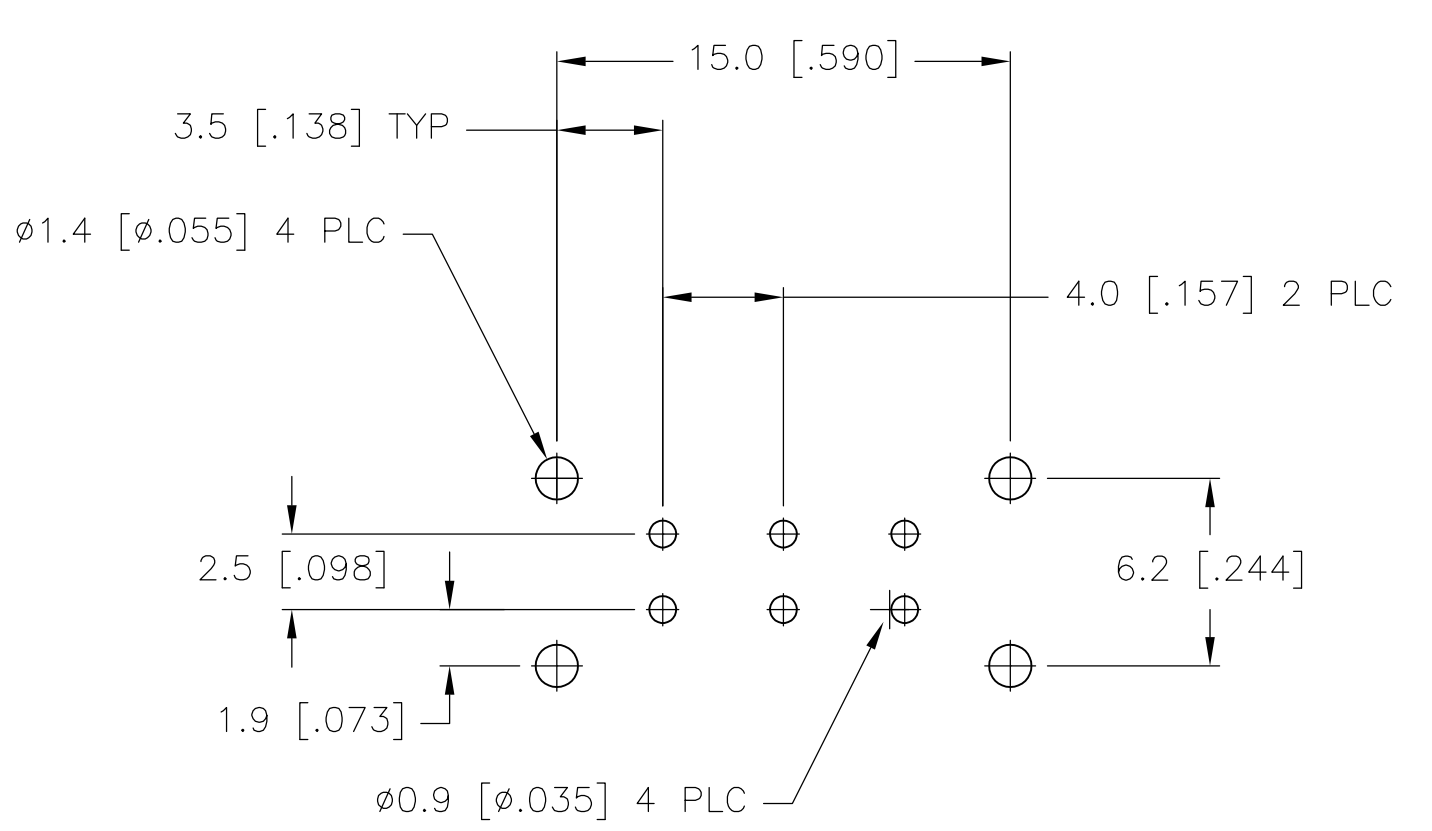


RECOMMENDED BOARD LAYOUT
 PC LAYOUT TOLERANCE: ±.002

MHS233 SERIES SWITCH



RECOMMENDED BOARD LAYOUT
 PC LAYOUT TOLERANCE: ±.002

MHS222 & 223 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
 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- 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

- 1 COUNTRY OF ORIGIN AND TE 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 SPECIFICATION 102-2469

1825290-1	MHS222RA04	DPDT	4.00		5-4 2-1	-	NONE	-	6-5 3-2	-
1825290-2	MHS223RA04	DPDT	2.00	SILVER	5-4 2-1	-	OFF	-	6-5 3-2	-
1825290-3	MHS233RA04	DP3T	2.00		-	6-5 2-1	-	7-6 3-2	-	8-6 4-2
1825290-4	MHS222GRA04	DPDT	4.00		5-4 2-1	-	NONE	-	6-5 3-2	-
1825290-5	MHS223GRA04	DPDT	2.00	GOLD	5-4 2-1	-	OFF	-	6-5 3-2	-
1825290-6	MHS233GRA04	DP3T	2.00		-	6-5 2-1	-	7-6 3-2	-	8-6 4-2
TE PART NO.	T&B PART NO.	TYPE	TRAVEL	CONTACT						
					123 456	1 234 5 678	123 456	1 234 5 678	123 456	1 234 5 678

TERMINALS CONNECTED WHEN SLIDE IS IN POSITION SHOWN.

THIS DRAWING IS A CONTROLLED DOCUMENT. DIM R BROWN 21DEC05
 CHK M SARVER 21DEC05
 APVD M SARVER 21DEC05
 Tyco Electronics Corporation
 Harrisburg, PA 17105-3608

TOLERANCES UNLESS OTHERWISE SPECIFIED:
 0 PLC ± .3
 1 PLC ± .3 [.012]
 2 PLC ± .3
 3 PLC ± .3
 4 PLC ± .3
 ANGLES ± 1°

APPLICATION SPEC: SLIDE SWITCH, MHS SERIES, DOUBLE POLE, RIGHT ANGLE

SIZE: A1
 CASE CODE: 00779
 DRAWING NO: 1825290
 WEIGHT: -
 RESTRICTED TO: -

CUSTOMER DRAWING SCALE: 4:1 SHEET 1 OF 1 REV: A2

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[1825167-2](#) [25139NLDB](#) [25436NLDB](#) [25449NAH](#) [25536NA](#) [L101011ML04B](#) [SLB1240R45](#) [SLSA12004](#) [1825078-1](#) [1825080-4](#) [1825081-1](#)
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