

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B4	REVISED PER ECR-19-007953	23MAY2019	SR	PO

## SPECIFICATIONS

### BREAK-BEFORE-MAKE

MATERIALS:  
 ACTUATOR— THERMOPLASTIC, UL94HB  
 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)  
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                          |

- 2 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)


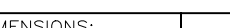
- 3 ANTI SOLDER WICK SEAL AT TERMINAL TO BOARD INTERFACE

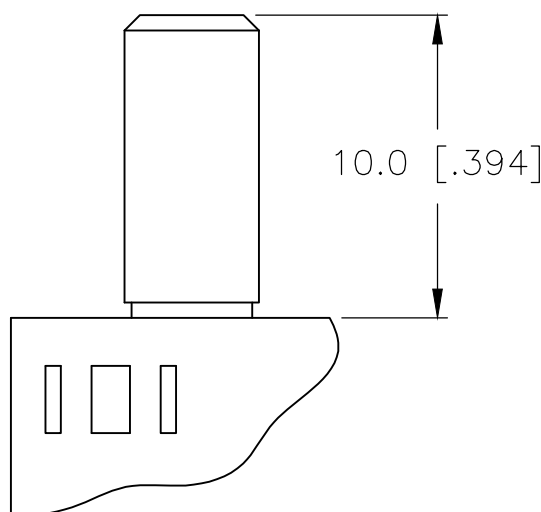
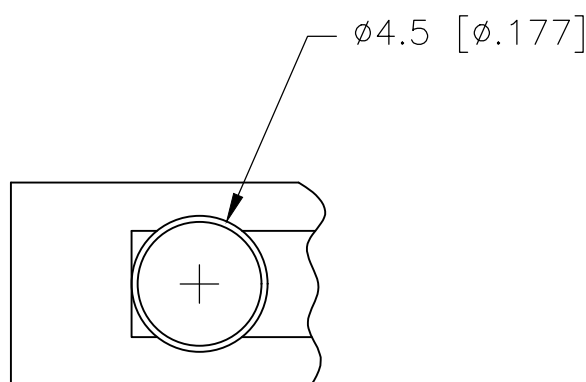
- 4 ALL PERFORMANCE TESTING WAS DONE IN ACCORDANCE TO TE CONNECTIVITY SPECIFICATION 102-2469

- 5 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

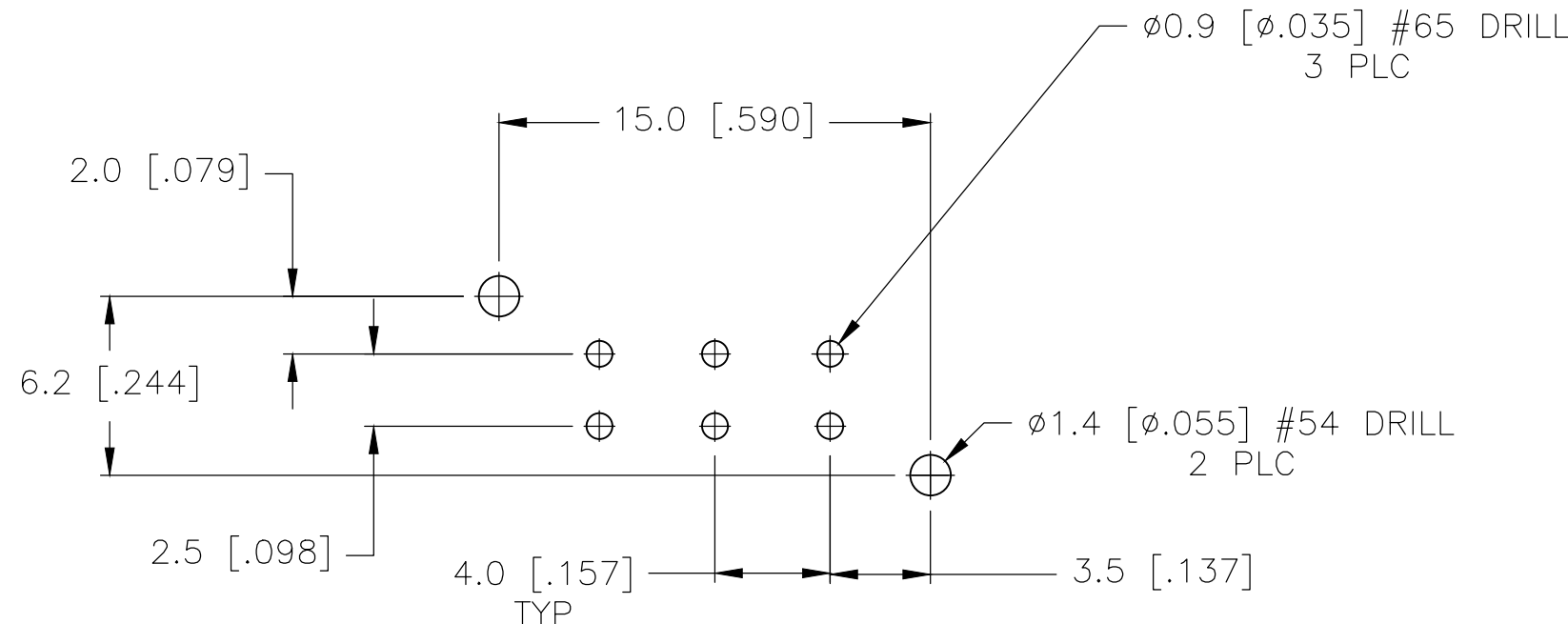
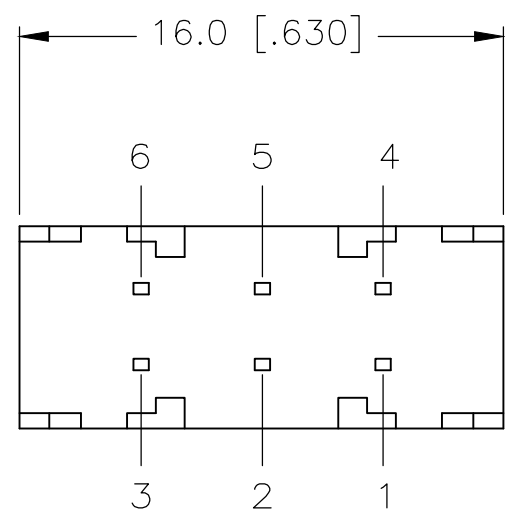
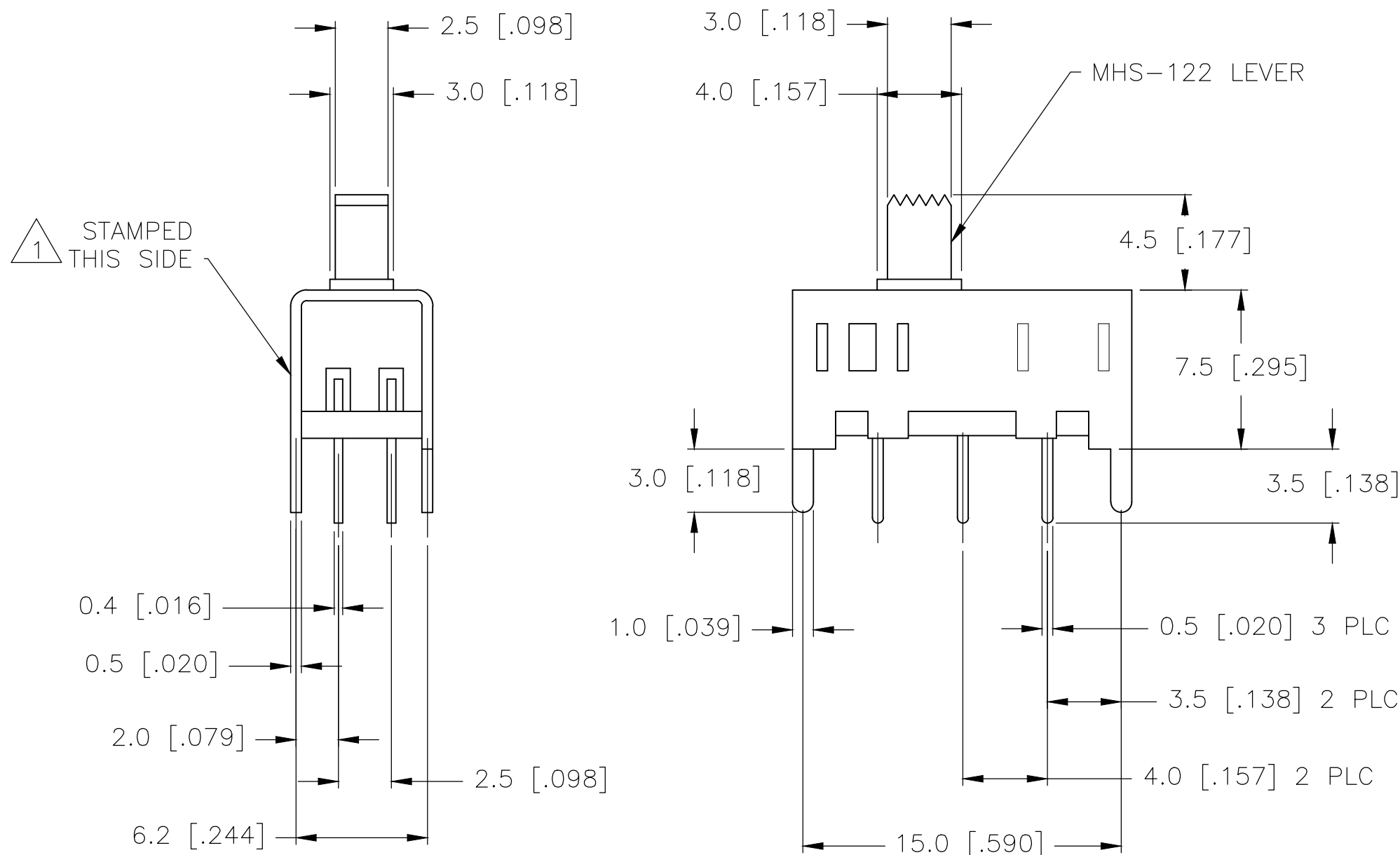
OBSELETE 5	<del>1-1825289-4</del>	MHS233KG04	DP3T	2.00	GOLD	—	6-5 2-1	—	7-6 3-2	—	8-6 4-2
	1-1825289-0	MHS233K04	DP3T	2.00	SILVER	—	6-5 2-1	—	7-6 3-2	—	8-6 4-2
	1825289-9	MHS233G04	DP3T	2.00	GOLD	—	6-5 2-1	—	7-6 3-2	—	8-6 4-2
	1825289-8	MHS23304	DP3T	2.00	SILVER	—	6-5 2-1	—	7-6 3-2	—	8-6 4-2
	—	MHS223KG04	DPDT	2.00	GOLD	5-4 2-1	—	OFF	—	6-5 3-2	—
	1825289-7	MHS223K04	DPDT	2.00	SILVER	5-4 2-1	—	OFF	—	6-5 3-2	—
	1825289-6	MHS223G04	DPDT	2.00	GOLD	5-4 2-1	—	OFF	—	6-5 3-2	—
	1825289-5	MHS22304	DPDT	2.00	SILVER	5-4 2-1	—	OFF	—	6-5 3-2	—
OBSELETE 5	<del>1825289-4</del>	MHS222KG04	DPDT	4.00	GOLD	5-4 2-1	—	NONE	—	6-5 3-2	—
	<del>1825289-3</del>	MHS222K04	DPDT	4.00	SILVER	5-4 2-1	—	NONE	—	6-5 3-2	—
	1825289-2	MHS222G04	DPDT	4.00	GOLD	5-4 2-1	—	NONE	—	6-5 3-2	—
	1825289-1	MHS22204	DPDT	4.00	SILVER	5-4 2-1	—	NONE	—	6-5 3-2	—
	PART NO.	T&B PART NO.	TYPE	TRAVEL	PLATING	 1 2 3 4 5 6	 1 234 5 678	 1 2 3 4 5 6	 1 234 5 678	 1 2 3 4 5 6	 1 234 5 678

TERMINALS CONNECTED WHEN SLIDE IS  
IN POSITION SHOWN.

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN BROWN 21DEC05		 TE Connectivity	
		CIR M. SARVER 21DEC05			
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		0 P/LC ± — 2 P/LC ± 0.3 [0.12] 3 P/LC ± — 4 P/LC ± — ANGLES ± 1°		SLIDE SWITCH, MHS SERIES, DOUBLE POLE, VERTICAL	
		PRODUCT SPEC —		SIZE CASE CODE DRAWING NO	
		APPLICATION SPEC —		A1 00779 C=1825289	
MATERIAL —	FINISH —	WEIGHT		RESTRICTED TO —	
CUSTOMER DRAWING					
				SCALE 4:1	SHEET 1 of 2
				REV B	



## MHS222K & MHS223K LEVER

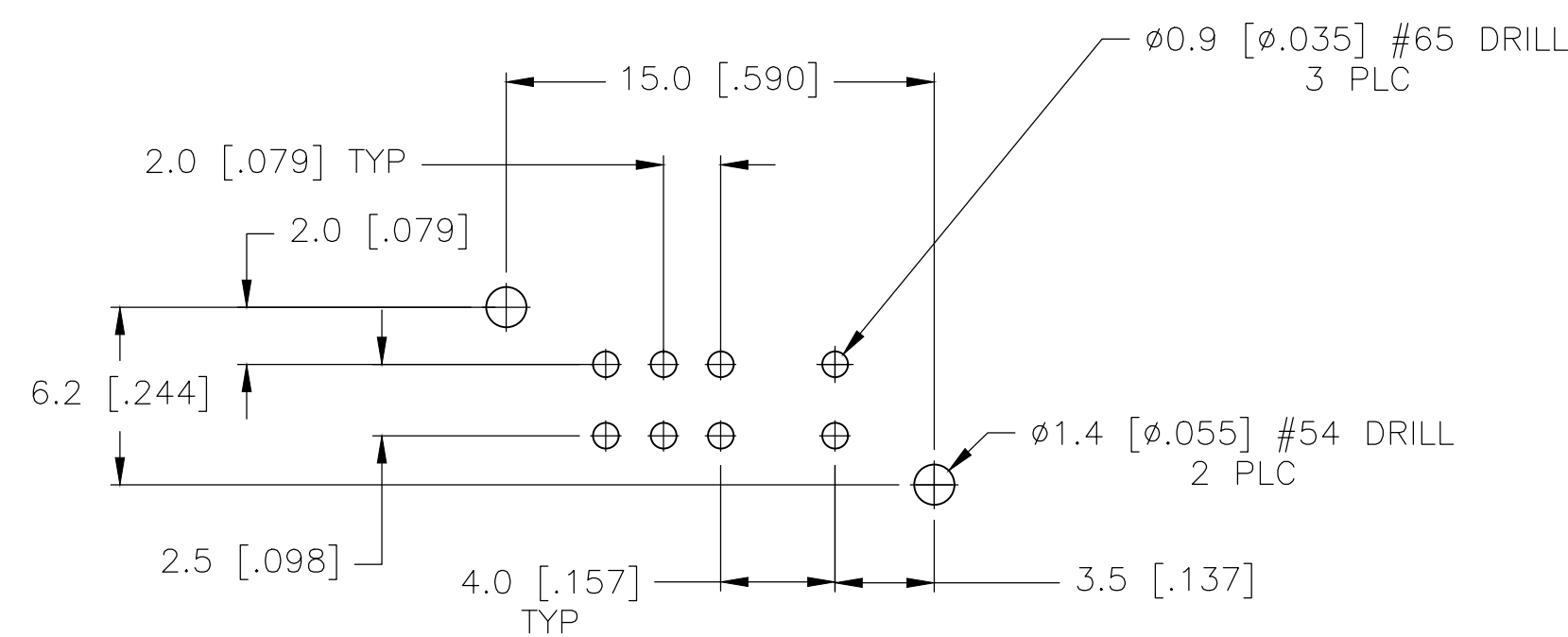
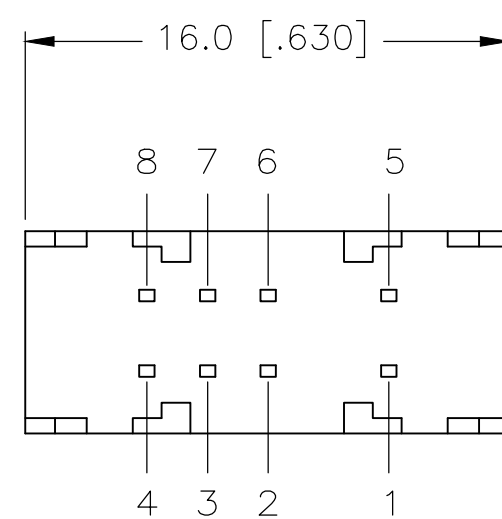
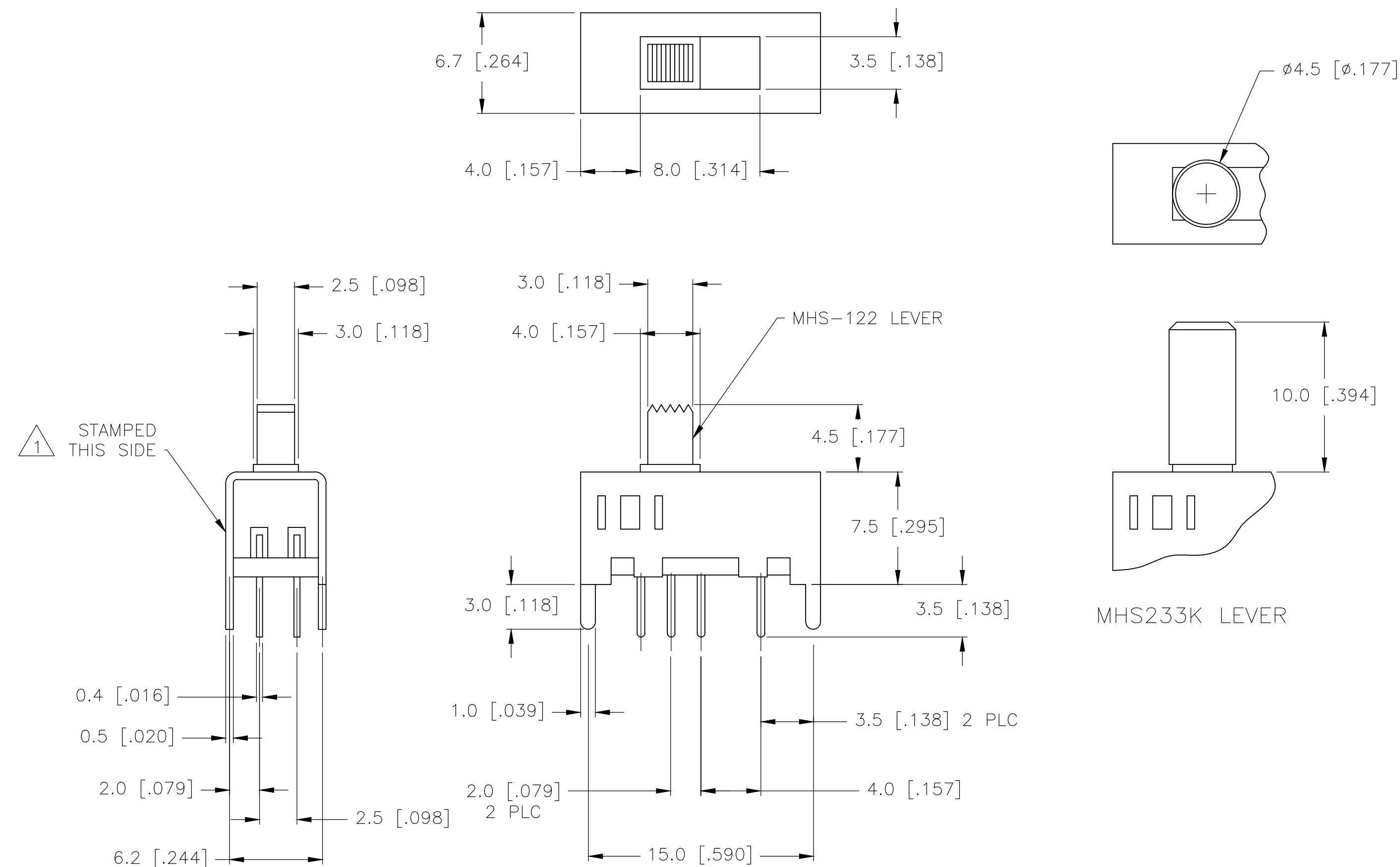


RECOMMENDED BOARD LAYOUT  
PC LAYOUT TOLERANCE:  $\pm 0.002$

PC LAYOUT TOLERANCE:  $\pm 0.002$ 

# MHS222 & MHS223 SERIES SWITCH

P		LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1		—	—	—



RECOMMENDED BOARD LAYOUT  
PC LAYOUT TOLERANCE:  $\pm 0.002$

# MHS233 SERIES SWITCH

SPECIFICATIONS  
BREAK-BEFORE-MAKE

MATERIALS:  
 ACTUATOR— THERMOPLASTIC, UL94HB  
 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)  
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 PER TEC-202-36 LOCATED APPROXIMATELY AS SHOWN

2. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

 ANTI SOLDER WICK SEAL AT TERMINAL TO BOARD INTERFACE

4. ALL PERFORMANCE TESTING WAS DONE IN ACCORDANCE TO TE CONNECTIVITY SPECIFICATION 102-2469

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN 210C005 <b>R BROWN</b> 210DEC05 <b>M SARVER</b> 210DEC05 APD <b>M SARVER</b> 210DEC05		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 0.5 [0.12] 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± ± 1°		NAME SLIDE SWITCH, MHS SERIES, DOUBLE POLE, VERTICAL	
		PRODUCT SPEC — APPLICATION SPEC —		SIZE CAGE CODE DRAWING NO RESTRICTED TO	
MATERIAL —		FINISH —		WEIGHT — CUSTOMER DRAWING SCALE 4:1 SHEET 2 of 2 REV R4	

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[MHS23304](#)