

LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			A	ECO-05-006715	21DEC05	RB	MS
			A1	REVISED PER ECO-09-024927	09NOV09	KK	AEG

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— .75A@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.

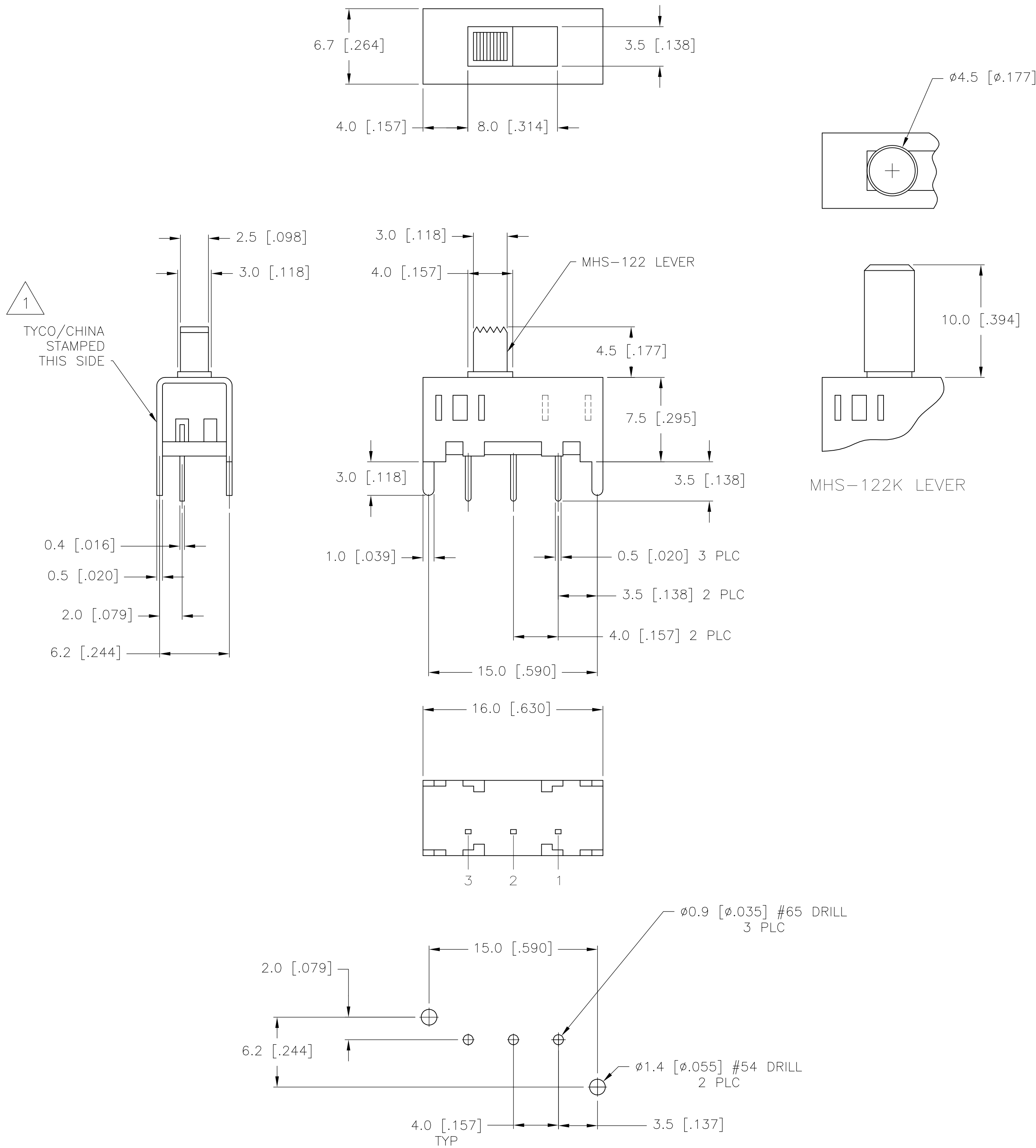
MECHANICAL:

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

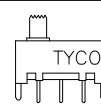
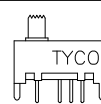
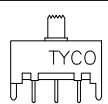
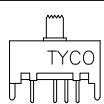
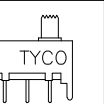
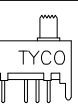
NOTES:

1. MARK PER 202-37 SPECIFICATION, *tyco*/CHINA MINIMUM REQUIREMENT
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 TYCO SPECIFICATION 102-2469
5. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



RECOMMENDED BOARD LAYOUT
PC LAYOUT TOLERANCE: ± 0.002

MHS-122 SERIES SWITCH

OBSOLETE 	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 	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	—
	TYCO PART NO.	T&B PART NO.	TYPE	TRAVEL	PLATING						
						1 2 3	1 234	1 2 3	1 234	1 2 3	1 234

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN R BROWN	21DEC05	TERMINALS CONNECTED WHEN SLIDE IS IN POSITION SHOWN.	
DIMENSIONS: mm		CHK M SARVER	21DEC05	 Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 0.3 [0.12] 2 PLC ± 3 PLC ± 4 PLC ± ANGLES: FINISH ± 1°		APVD M SARVER	21DEC05	NAME SLIDE SWITCH, MHS SERIES, SINGLE POLE, VERTICAL	
		PRODUCT SPEC —	SIZE A1 100779		
MATERIAL —		APPLICATION SPEC —			
FINISH —		WEIGHT —	DRAWING NO C1825255		RESTRICTED TO —
CUSTOMER DRAWING			SCALE 4:1		SHEET 1 OF 2 REV A

