

SPECIFICATIONS:
MAKE-BEFORE-BREAK

MATERIALS:
FRAME: STEEL, ZINC PLATE
ACTUATOR: POM UL94HB, BLACK
FIXED CONTACT/TERMINAL: COPPER ALLOY,
SILVER OVER NICKEL PLATE
MOVING CONTACT: COPPER ALLOY, SILVER CLAD
COIL SPRING: TEMPERED STEEL WIRE
BALL- TEMPERED CARBON STEEL
TERMINAL BOARD: PHENOLIC, UL94HB
TERMINAL SEAL: PHENOLIC RESIN

ELECTRICAL:
CONTACT RATING: 250 MILLIAMPS@125V AC
CONTACT RESISTANCE: 30 MILLIOHMS MAX (INITIAL),
60 MILLIOHMS AFTER TEST
INSULATION RESISTANCE: 500 MEGOHMS MIN AT 500V DC
DIELECTRIC STRENGTH: 500 VAC RMS AT SEA LEVEL
LIFE EXPECTANCY: 10,000 CYCLES MIN. NO LOAD

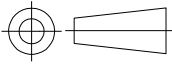
MECHANICAL:
ACTUATION FORCE: 250 +150/-100 GRAMS
TRAVEL: 2.49 (.098)

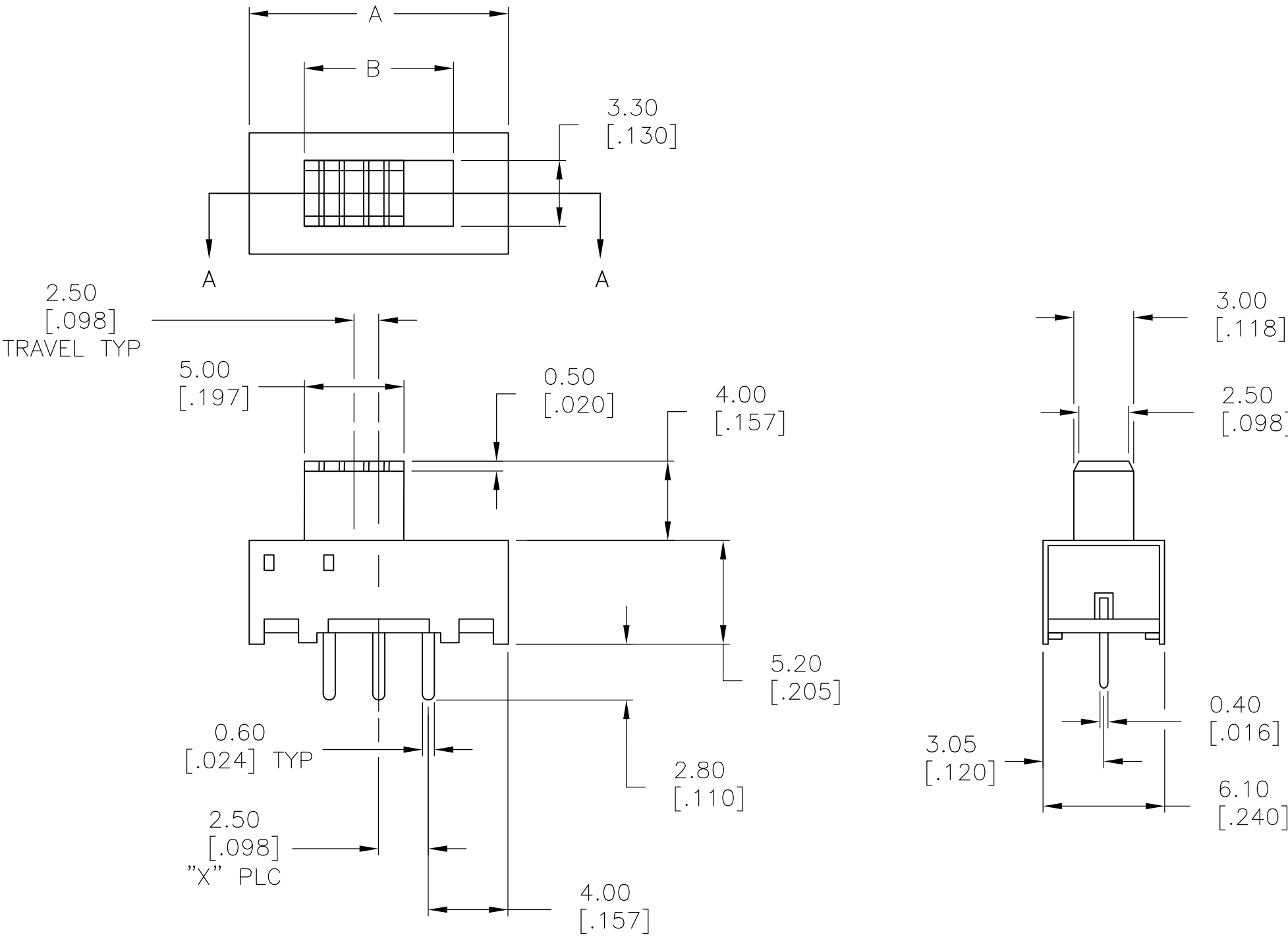
ENVIRONMENTAL:
OPERATING TEMPERATURE: -10 TO +60 DEGREES C
STORAGE TEMPERATURE: -10 TO +60 DEGREES C
RESISTANCE TO SOLDER HEAT: 260 C FOR 10 SEC PER 109-202,
COND. B
SOLDERABILITY: PER EIA-364-56A, PROCEDURE 3, COND. B

NOTES:

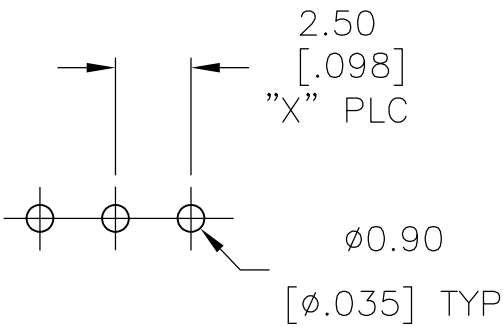
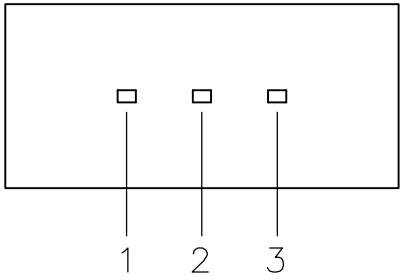
1. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
2. SEE SHEET 2 FOR FUNCTION DIAGRAM
3. ALL PERFORMANCE SPECIFICATIONS WERE TESTED IN ACCORDANCE WITH JIS-C-5441 UNLESS OTHERWISE STATED.

6	17.50[.689]	23.01[.906]	SP6T	STS161PC04	1825159-5
5	15.01[.591]	20.50[.807]	SP5T	STS151PC04	1825159-4
4	12.50[.492]	18.01[.709]	SP4T	STS141PC04	1825159-3
3	10.01[.394]	15.50[.610]	SP3T	STS131PC04	1825159-2
2	7.49[.295]	13.00[.512]	SPDT	STS121PC04	1825159-1
X PLC	DIM B	DIM A	FUNCTION	T&B PART NUMBER	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B.S.VISWESWARA	16MAR05	 TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK M.S.SARVER	-		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD -	-	NAME SLIDE SWITCH STS121PC TO STS161PC SERIES -	
		PRODUCT SPEC -	-		
MATERIAL -		APPLICATION SPEC -	-	SIZE A2	RESTRICTED TO -
FINISH -		WEIGHT -	-	CAGE CODE 00779	REV A3
RESTRICTED CUSTOMER			SCALE 4:1	SHEET 1 OF 2	



1825159-1 AS SHOWN



P.C HOLE LAYOUT

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
AD	00		-	SEE SHEET 1	-	-

PART NUMBER

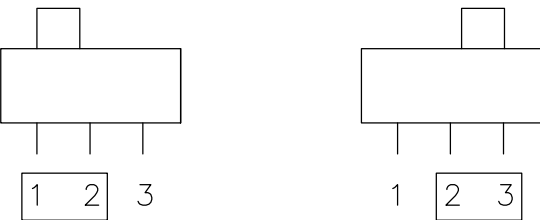
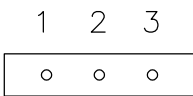
FUNCTION

BOTTOM VIEW

FUNCTION DIAGRAM

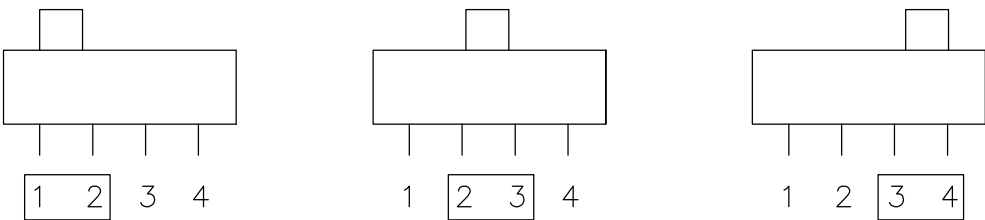
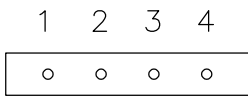
1825159-1

SPDT



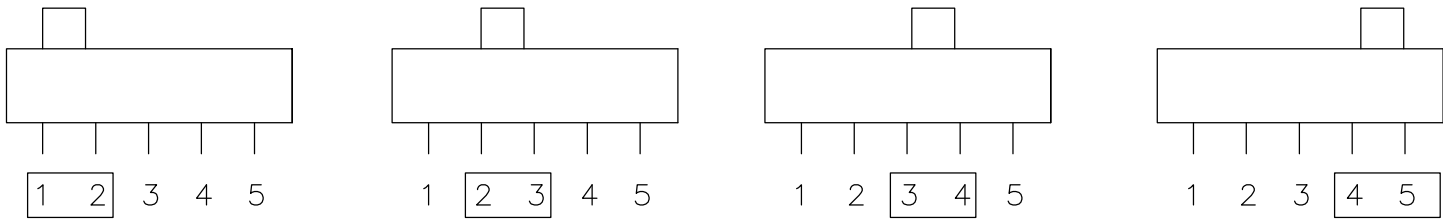
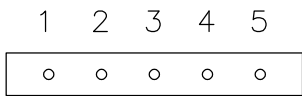
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SP3T



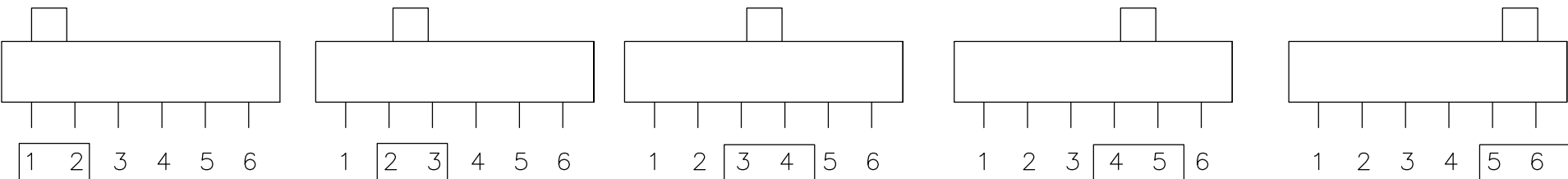
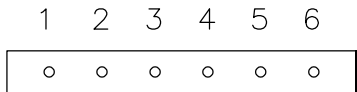
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SP4T



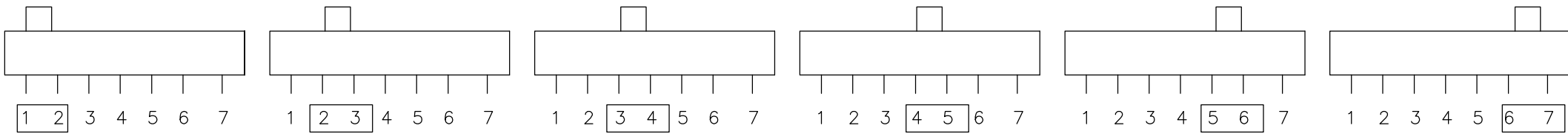
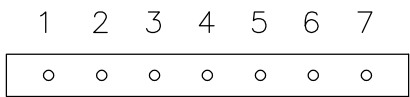
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SP5T



1825159-5

SP6T



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DIMENSIONS: mm [INCHES]		CHK M.S.SARVER	-			
		APVD -	-	NAME SLIDE SWITCH STS121PC TO STS161PC SERIES		
		PRODUCT SPEC -	-			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	-	SIZE A2	CAGE CODE 00779	DRAWING NO C=1825159
MATERIAL -		WEIGHT -	-	RESTRICTED TO -	SCALE 4:1	SHEET 2 OF 2
FINISH -		RESTRICTED CUSTOMER		REV A3		