

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

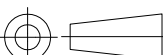
MECHANICAL:
ACTUATION FORCE: 250 +150/-100 GRAMS
TRAVEL: 2.49 (.098)

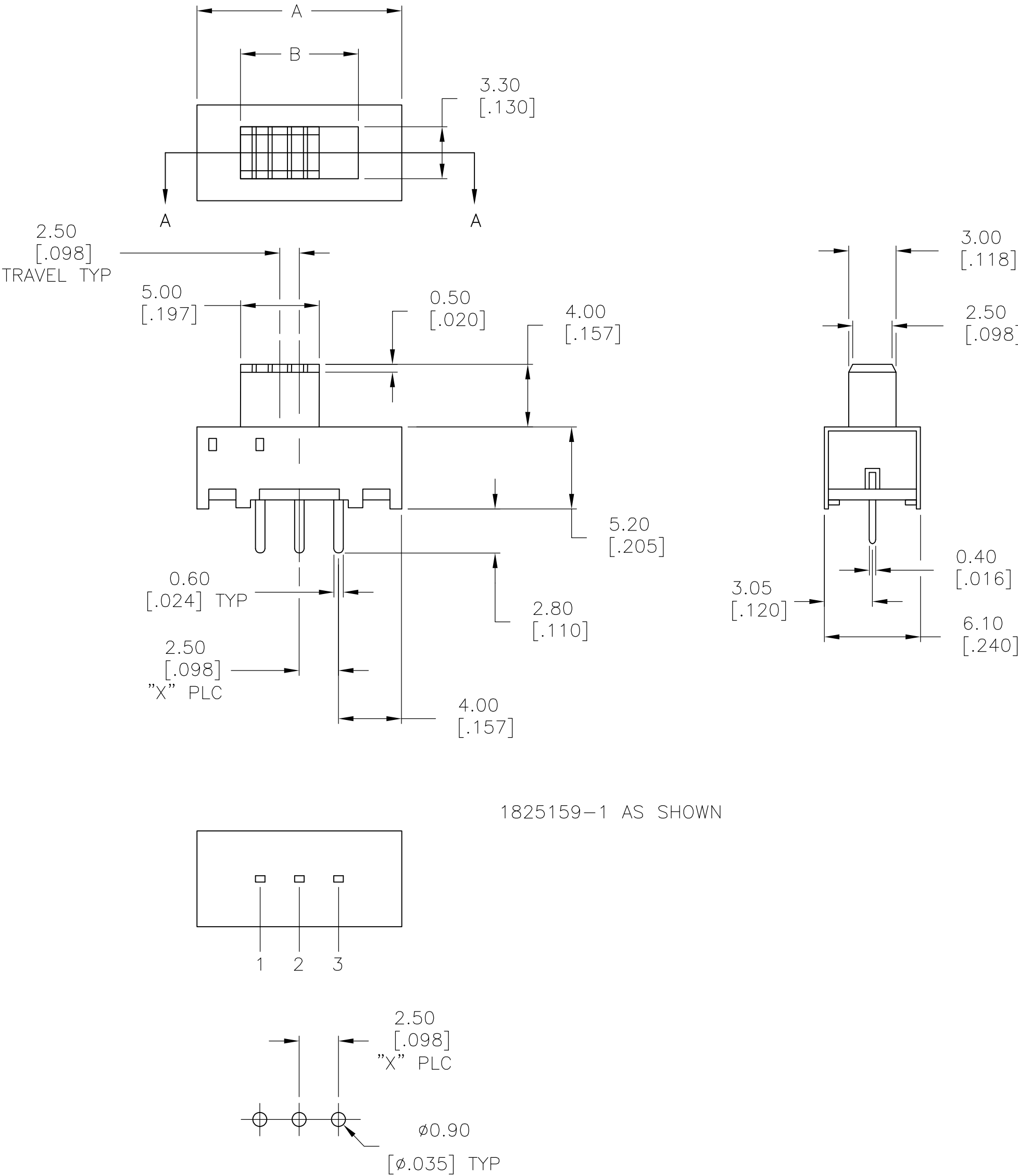
ENVIRONMENTAL:
OPERATING TEMPERATURE: -10 TO +60 DEGREES C
STORAGE TEMPERATURE: -10 TO +60 DEGREES C
RESISTANCE TO SOLDER HEAT: 260 C FOR 10 SEC PER 109-202,
COND. B
SOLDERABILITY: PER EIA-364-56A, PROCEDURE 3, COND. B

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		-						
		APVD —		-		NAME SLIDE SWITCH STS121PC TO STS161PC SERIES —				
		PRODUCT SPEC —		-						
		APPLICATION SPEC —		-						
		MATERIAL —		FINISH —						
		0 PLC ± - 1 PLC ± - 2 PLC ± 0.20[.008] 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC — APPLICATION SPEC — WEIGHT —		SIZE A2		CAGE CODE 00779	DRAWING NO C=1825159	RESTRICTED TO —
		RESTRICTED CUSTOMER				SCALE 4:1		SHEET 1 of 2	REV A3	



4

3

2

1

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

PART NUMBER

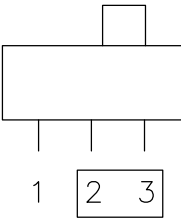
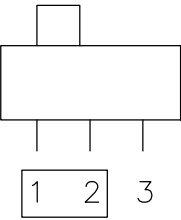
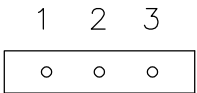
FUNCTION

BOTTOM VIEW

FUNCTION DIAGRAM

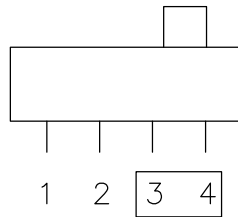
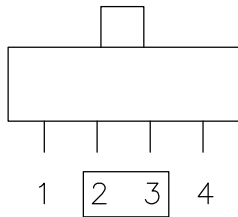
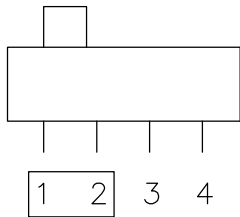
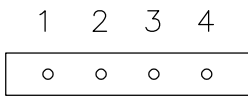
1825159-1

SPDT



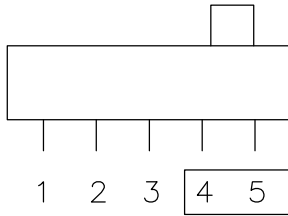
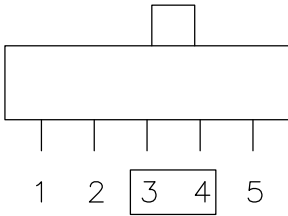
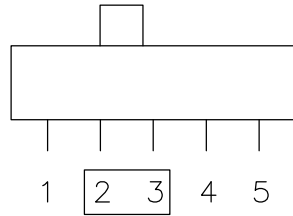
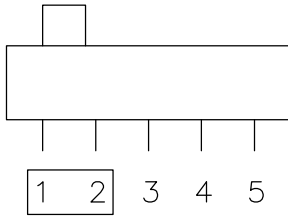
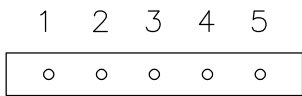
1825159-2

SP3T



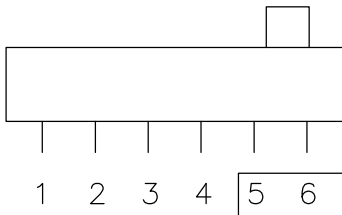
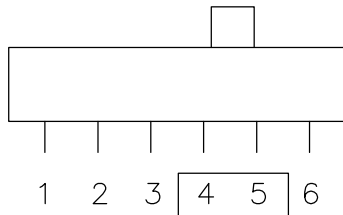
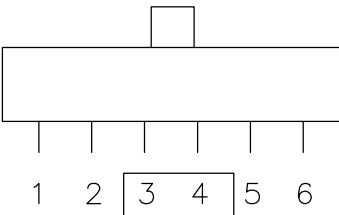
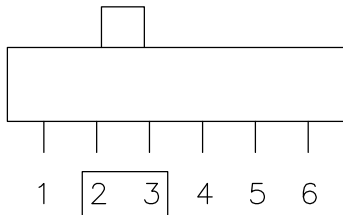
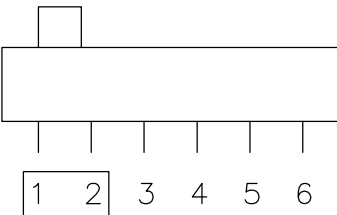
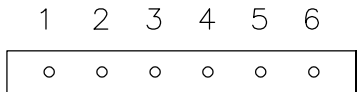
1825159-3

SP4T



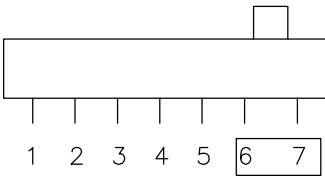
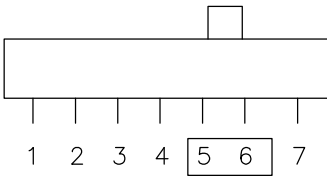
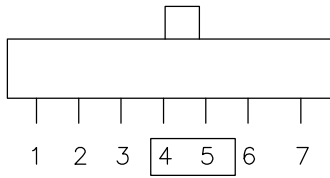
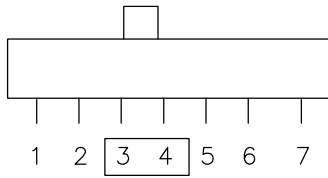
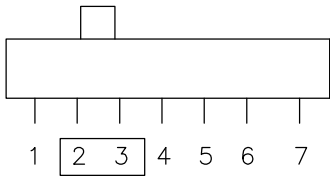
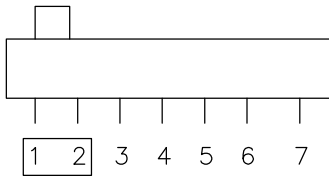
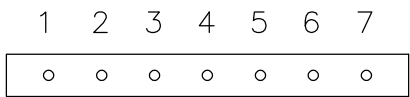
1825159-4

SP5T



1825159-5

SP6T



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

MATERIAL
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±	-
1 PLC	±	-
2 PLC	±	0.20[.008]
3 PLC	±	-
4 PLC	±	-
ANGLES	±	-

FINISH
-

DWN
B.S.VISWESWARA

CHK
M.S.SARVER

APVD
-

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

RESTRICTED CUSTOMER

16MAR05

TE Connectivity

NAME
SLIDE SWITCH
STS121PC TO STS161PC SERIES

SIZE A2	CAGE CODE 00779	DRAWING NO C=1825159	RESTRICTED TO -
------------	--------------------	-------------------------	--------------------

SCALE 4:1	SHEET 2 OF 2	REV A3
--------------	-----------------	-----------

1825159

Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[STS121PC04](#) [STS131PC04](#)