

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A3	REVISED PER ECR-18-010041	10JAN2020	SB	PO

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:

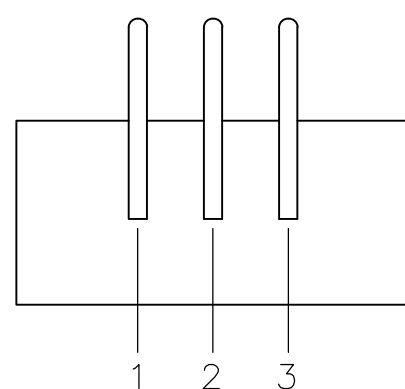
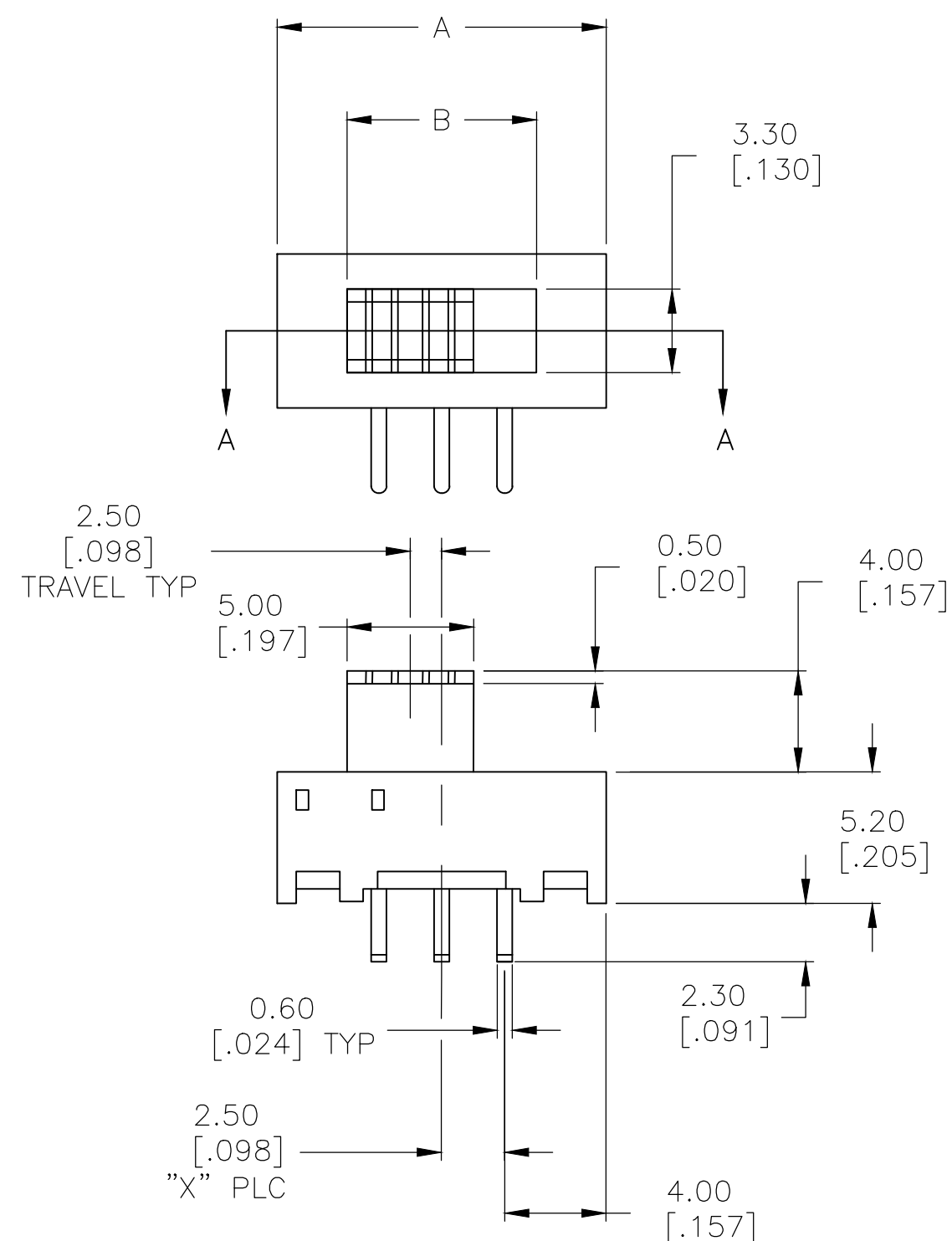
ACTUATION FORCE: 250 +150/-100 GRAMS
TRAVEL: 2.49 (.098)

ENVIRONMENTAL:

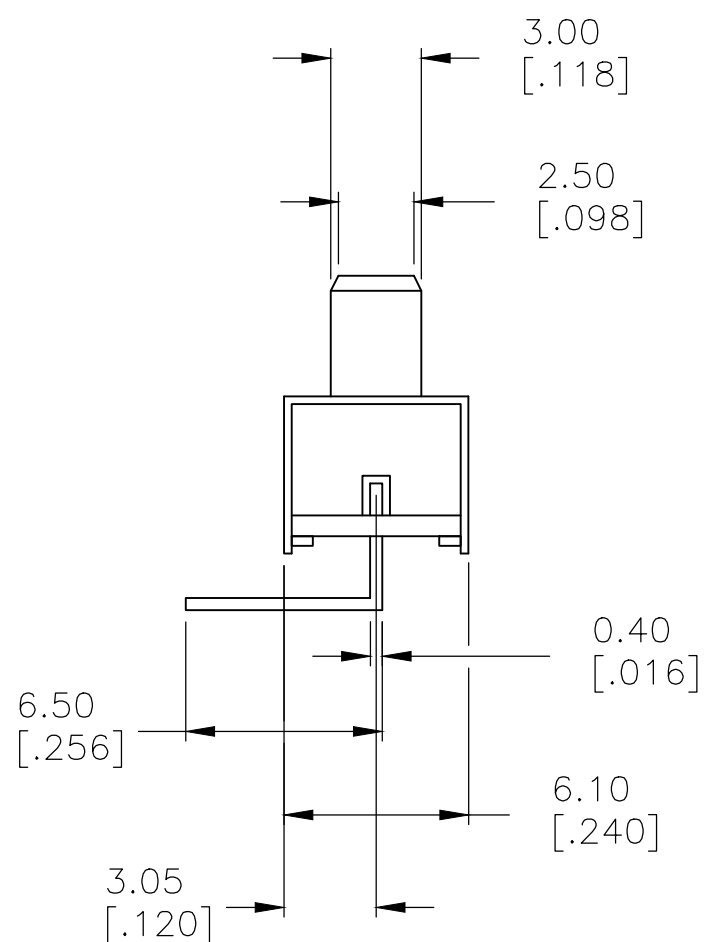
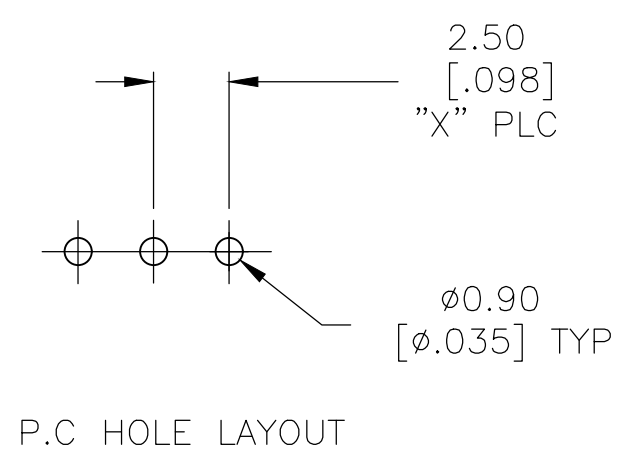
OPERATING TEMPERATURE: -10 TO +60 DEGREES C
STORAGE TEMPERATURE: -10 TO +60 DEGREES C
RESISTANCE TO SOLDER HEAT: 260 C FOR 10 SEC PER 109-202,
COND. B
SOLDERABILITY: PER EIA-364-56A, PROCEDURE 3, COND. B

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.



1825160-1 AS SHOWN



OBSOLETE	6	17.50[.689]	23.01[.906]	SP6T	STS161RA04	1825160-5
	5	15.01[.591]	20.50[.807]	SP5T	STS151RA04	1825160-4
	4	12.50[.492]	18.01[.709]	SP4T	STS141RA04	1825160-3
OBSOLETE	3	10.01[.394]	15.50[.610]	SP3T	STS131RA04	1825160-2
OBSOLETE	2	7.49[.295]	13.00[.512]	SPDT	STS121RA04	1825160-1
	X PLC	DIM B	DIM A	FUNCTION	T&B PART NUMBER	TE PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B.S.VISWESWARA		16MAROS		 TE Connectivity	
		CHK M.S.SARVER		—			
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD —		NAME	
		0 PLC ± —		PRODUCT SPEC — APPLICATION SPEC —		SLIDE SWITCH, STS121RA TO STS161RA SERIES —	
		1 PLC ± —					
		2 PLC ± 0.20 [.008]					
		3 PLC ± —		SIZE		CAGE CODE	DRAWING NO
		4 PLC ± —		A2		00779	 1825160
MATERIAL —		FINISH —		WEIGHT —		RESTRICTED TO —	
				CUSTOMER DRAWING		SCALE 4:1	SHEET 1 of 2
						REV A3	

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

PART NUMBER

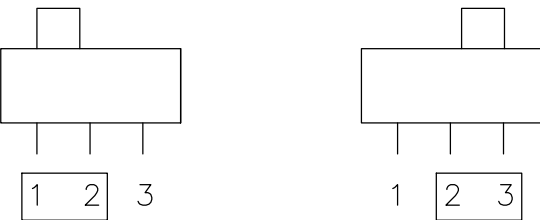
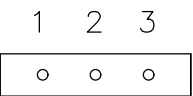
FUNCTION

BOTTOM VIEW

FUNCTION DIAGRAM

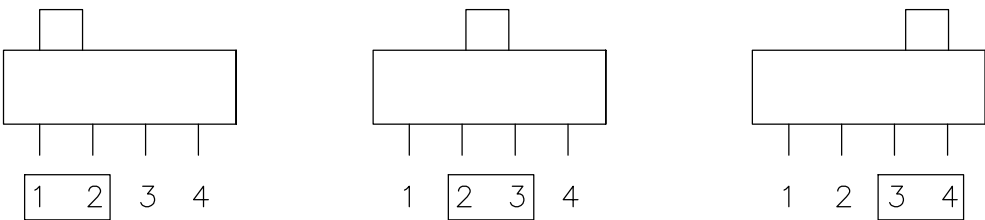
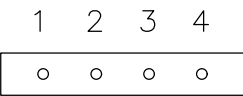
1825160–1

SPDT



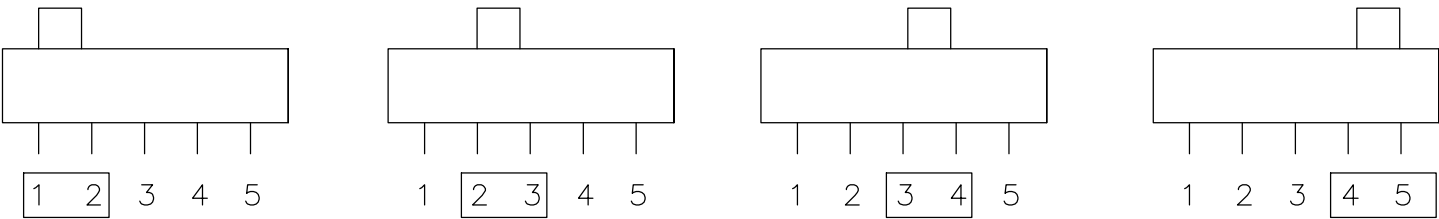
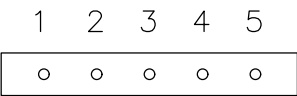
1825160–2

SP3T



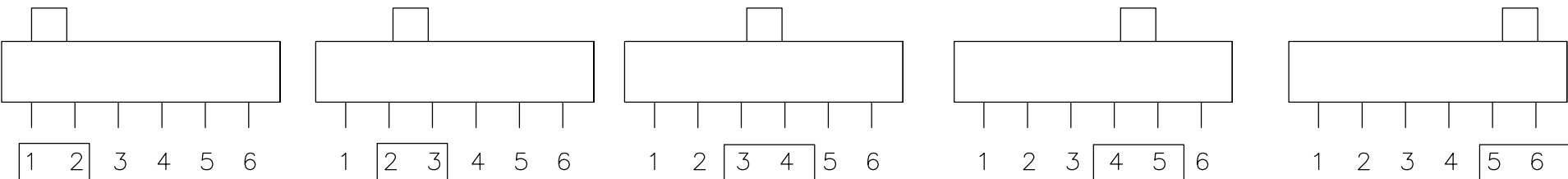
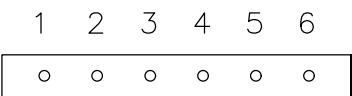
1825160–3

SP4T



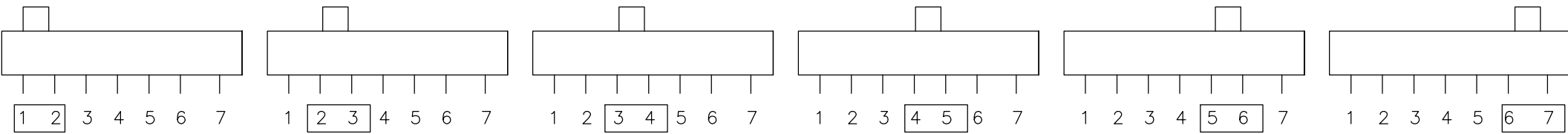
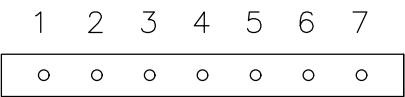
1825160–4

SP5T



1825160–5

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
—

CUSTOMER DRAWING

16MAR05

TE Connectivity

NAME
SLIDE SWITCH,
STS121RA TO STS161RA SERIES
—

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1825160

RESTRICTED TO
—

SCALE
4:1

SHEET
2 OF 2

REV
A3

1471–9 (1/15)

1825160