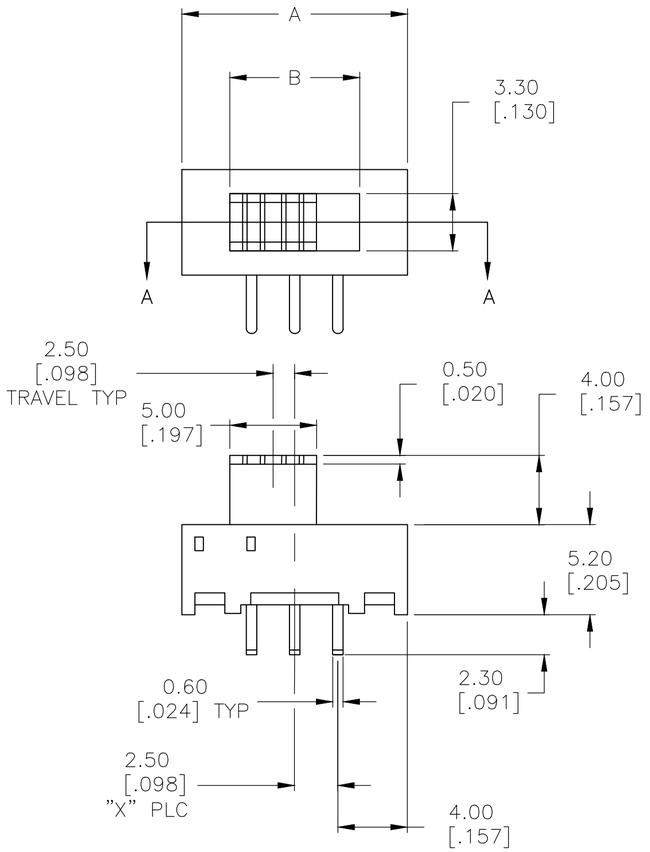
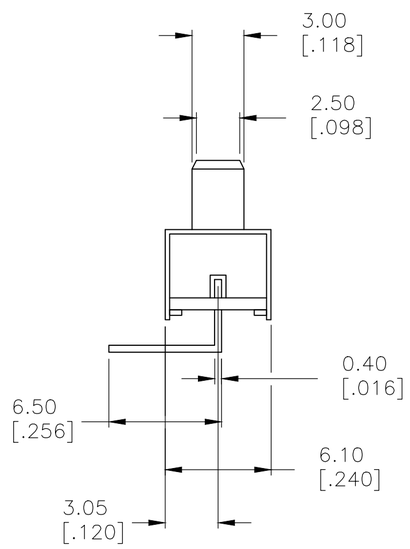
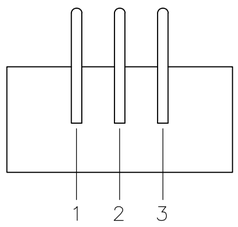
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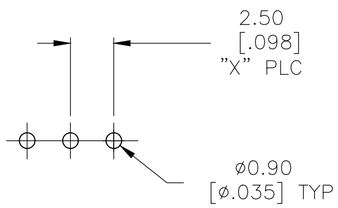
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A3	REVISED PER ECR–18–010041	10JAN2020	SB	PO







1825160–1 AS SHOWN



P.C HOLE LAYOUT

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.

	X PLC	DIM B	DIM A	FUNCTION	T&B PART NUMBER	TE PART NUMBER
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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± 0.20 [.008]
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL –
FINISH –

DWN B.S.VISWESWARA 16MAR05
CHK M.S.SARVER –
APVD – –
PRODUCT SPEC –
APPLICATION SPEC –
WEIGHT –

TE Connectivity

NAME
SLIDE SWITCH,
STS121RA TO STS161RA SERIES
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C–1825160	–

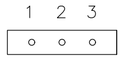
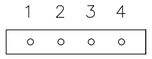
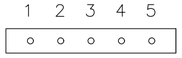
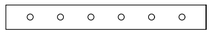
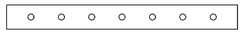
CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 2 | REV A3

1825160

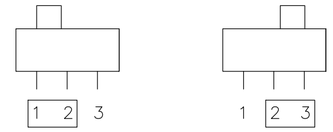
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REVISIONS

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

PART NUMBER	FUNCTION	BOTTOM VIEW
1825160–1	SPDT	
1825160–2	SP3T	
1825160–3	SP4T	
1825160–4	SP5T	
1825160–5	SP6T	

FUNCTION DIAGRAM



1825160

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B.S.VISWESWARA 16MAR05	TE Connectivity		
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – 1 PLC ± – 2 PLC ± 0.20 [.008] 3 PLC ± – 4 PLC ± – ANGLES ± –	CHK M.S.SARVER –	NAME SLIDE SWITCH, STS121RA TO STS161RA SERIES –		
		APVD —			
		PRODUCT SPEC —			
		APPLICATION SPEC —			
MATERIAL –	FINISH –	WEIGHT	SIZE A2	CAGE CODE 00779	DRAWING NO C-1825160
		CUSTOMER DRAWING	SCALE 4:1	SHEET 2 OF 2	REV A3