

4

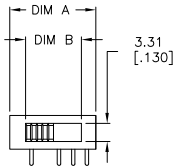
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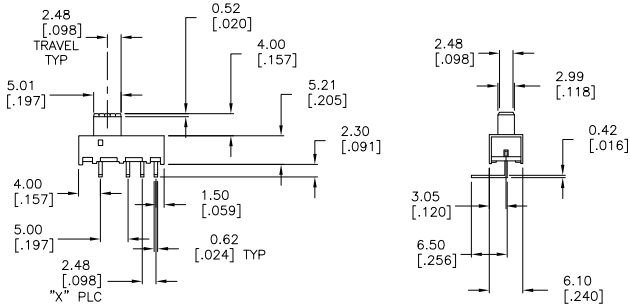
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LOC	DIST	REVISIONS			
F	LTR	DESCRIPTION	DATE	BY	APP'D
AD	00				
	A1	ECO-06-029077	06FEB2007	RB	MS



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: EPOXY



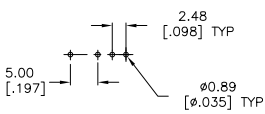
ELECTRICAL:  
 CONTACT RATING: 250 MILLIAMPS@125V AC  
 CONTACT RESISTANCE: 30 MILLIOHMS MAX (INITIAL),  
 60 MILLIOHMS AFTER TEST  
 INSULATION RESISTANCE: 500 MEGOHMS MIN AT 500V DC  
 DIELECTRIC STRENGTH: 500 VAC RMS AT SEA LEVEL  
 LIFE EXPECTANCY: 10,000 CYCLES MIN. NO LOAD

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

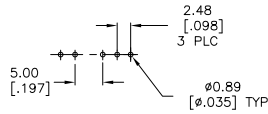
ENVIRONMENTAL:  
 OPERATING TEMPERATURE: -10° TO +60°C  
 STORAGE TEMPERATURE: -10° TO +60°C  
 RESISTANCE TO SOLDER HEAT: 260°C FOR 10 SEC PER 109-202, COND. B  
 SOLDERABILITY: PER EIA-364-56A, PROCEDURE 3, COND. B

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

1825162-1 AS SHOWN



P.C. HOLE LAYOUT  
(1825162-1)



P.C. HOLE LAYOUT  
(1825162-2)

1-3	2-3	3-4	3-5	-	-	-	1 2 3 4 5	3	12.50[.492]	18.01[.709]	SP4T	STS1400RA04	1825162-2	
-	-	-	-	1-2	2-3	2-4	1 2 3 4	2	10.01[.394]	15.50[.610]	SP3T	STS1300RA04	1825162-1	
FUNCTION DIAGRAM							BOTTOM VIEW		X PLC	DIM B	DIM A	FUNCTION	T&B P/N	TYCO P/N

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	DESIGNED BY: S. VISWESWARA	DATE: 06/20/07	REVISED BY: M. S. SARVER	DATE: 06/20/07
0 PLC ±	1 PLC ±	2 PLC ±	3 PLC ±	4 PLC ±
ANGLES	FINISH			
MATERIAL	FINISH			

APPROVED BY: S. VISWESWARA	DATE: 06/20/07	REVISED BY: M. S. SARVER	DATE: 06/20/07
PRODUCT SPEC	APPLICATION SPEC	WEIGHT	SCALE
CUSTOMER DRAWING		SCALE: 2:1	SHEET 1 OF 1

TYCO Electronics Corporation  
 Harrisburg, Pa 17105-3608

SLIDE SWITCH,  
 STS1300RA & STS1400RA SERIES

SIZE: A2 CASE CODE: C=1825162

RESTRICTED TO: -

1825162

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