

4

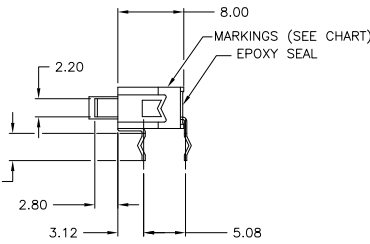
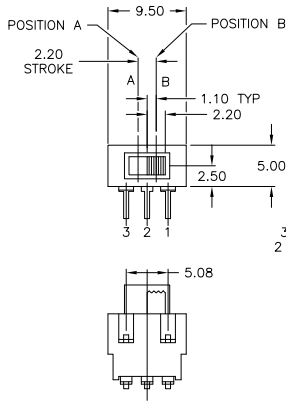
3

2

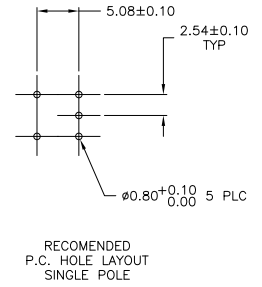
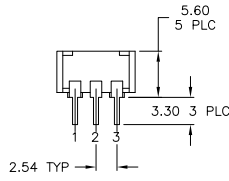
1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 1825031, 1825031  
 © COPYRIGHT 1825031 BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

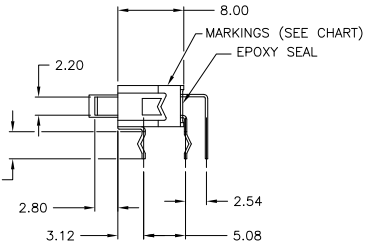
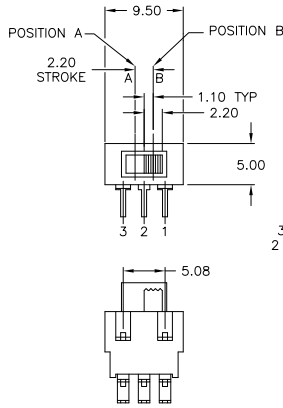
LOC	DIST	REVISIONS			
F	LR	DESCRIPTION	DATE	BY	APP
AD	00				
	C1	REVISED PER ECO-10-021659	26OCT10	HMR	NE



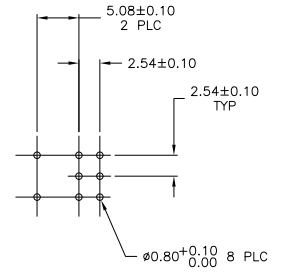
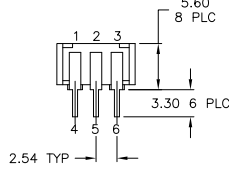
SINGLE POLE



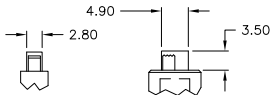
RECOMMENDED P.C. HOLE LAYOUT SINGLE POLE



DOUBLE POLE



RECOMMENDED P.C. HOLE LAYOUT DOUBLE POLE



ACTUATOR BOOT DIMENSIONS SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN: S.S.VISHWESWARA	CDMGRS	Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS: mm		CHK: M.S.SARVER	NAME	SWITCH, SLIDE, RIGHT ANGLE, SE(**)GRA	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPD: -	PRODUCT SPEC: -	RESTRICTED TO: -	
0 PLC	± .05	APPLICATION SPEC: -	SIZE: A2	CAGE CODE: C=1825031	DRAWING NO: -
1 PLC	± .05	WEIGHT: -	CUSTOMER DRAWING		SCALE: 3:1
2 PLC	± .05	SHEET 1 OF 2			
3 PLC	± .05	REV C1			
4 PLC	± .05				
ANGLES	± 0°30'				
MATERIAL:	FINISH: -				

1825031

A

4

3

2

1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 1825031, 1825031  
 © COPYRIGHT 1825031 BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

LOC	DIST	REVISIONS					
AD	00	F	LN	DESCRIPTION	DATE	BY	APPD
				SEE SHEET 1			

- OPERATING TEMPERATURE: -20°C TO 80°C.
- STORAGE TEMPERATURE: -40°C TO 80°C.
- CONTACT TIMING: NON-SHORTING.
- CONTACT RATING: 0.4VA @ 20VDC.
- CONTACT RATING MAXIMUM: 50ma 48V AC/DC.
- CONTACT RATING MINIMUM: 1µA 20mV AC/DC.
- CONTACT PLATING: GOLD OVER SILVER.
- FIXED CONTACT/TERMINAL: GOLD OVER NICKEL.
- FRAME PLATING: TIN OVER NICKEL.
- INITIAL CONTACT RESISTANCE: LESS THAN 50 MILLIOHMS PER EIA 364-23B.
- FINAL CONTACT RESISTANCE: 100 MILLIOHMS MAX PER EIA 364-23B.
- INSULATION RESISTANCE: 500 MEGOHMS MIN AT 250VDC PER EIA 364-21C.
- DIELECTRIC STRENGTH: 500VAC BETWEEN TERMINALS AND GROUND PER EIA 364-20B, CONDITION 1.
- VIBRATION PER EIA 364-28D, CONDITION VII, LEVEL E.
- MECHANICAL SHOCK PER EIA 364-27B, CONDITION A.

16. LIFE EXPECTANCY: ON-OFF ELECTRICAL SWITCHING OPERATIONS PER EIA 364-9C 10 CYCLES PER MINUTE AT THE FOLLOWING RATED LOAD.

TYPE	MAXIMUM CONTACT RATING	0.4 VA	MINIMUM CONTACT RATING
D.E	10000 (OPERATIONS)	30000 (OPERATIONS)	30000 (OPERATIONS)

- ACTUATION FORCE: 70-500g PER EIA 364-13B.
- THERMAL SHOCK PER EIA 364-32C, -25°C TO 85°C.
- HUMIDITY-TEMPERATURE CYCLING PER EIA 364-31B, METHOD III.
- TEMPERATURE LIFE PER EIA 364-17B, METHOD B, TEMPERATURE TEST CONDITION 3, TIME CONDITION B.
- RESISTANCE TO SOLDER HEAT PER 109-202, CON B.
- SOLDERABILITY PER EIA 364-52, CLASS 2, CATEGORY 1.
- PROCESS SEALED.
- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2000/95/EC OF 27 JAN2003 (ROHS)

COLOR- WHITE	PET FILM UL94-HB	SLIDE PLATE
COLOR- BLACK	PA46 UL94V-0 30% GLASS FILLED	TERMINAL BOARD
-	STAINLESS STEEL	COIL SPRING
COLOR- WHITE	PA46 UL94V-0 30% GLASS FILLED	PLUNGER
-	SILICON RUBBER	ACTUATOR BOOT
-	EPOXY	TERMINAL SEAL
△	PHOSPHOR BRONZE	MOVABLE CONTACT
△	PHOSPHOR BRONZE	FIXED CONTACT /TERMINAL
COLOR- YELLOW	PA46 UL94V-0 30% GLASS FILLED	ACTUATOR
△	BRASS	FRAME
COLOR- GRAY	PA46 UL94V-0 30% GLASS FILLED	CASE
FINISH	MATERIAL	PART DESCRIPTION

ON 2-3 5-6	OFF	ON 2-1 5-4	ALCO	SE2EGRA04	1825031-4
ON 2-3 5-6	NONE	ON 2-1 5-4	ALCO	SE2DGRA04	1825031-3
ON 2-3	OFF	ON 2-1	ALCO	SE1EGRA04	1825031-2
ON 2-3	NONE	ON 2-1	ALCO	SE1DGRA04	1825031-1
ALCO POSITION A	ALCO POSITION B	ALCO POSITION B	MARKINGS	ALCOSWITCH PART NUMBER	TE PART NUMBER
CIRCUIT ARRANGEMENT			CIRCUIT CHARACTERISTICS		

THIS DRAWING IS A CONTROLLED DOCUMENT. DWG: S.S.VISHWESWARA - M.S.SARVER

TYCO Electronics Corporation  
Harrisburg, Pa 17105-3608

SWITCH, SLIDE, RIGHT ANGLE, SE(\*\*)GRA

SIZE: A2 CASE CODE: C=1825031

CUSTOMER DRAWING SCALE: 1:1 SHEET: 2 OF 2 REV: C1

1825031

A