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LOC

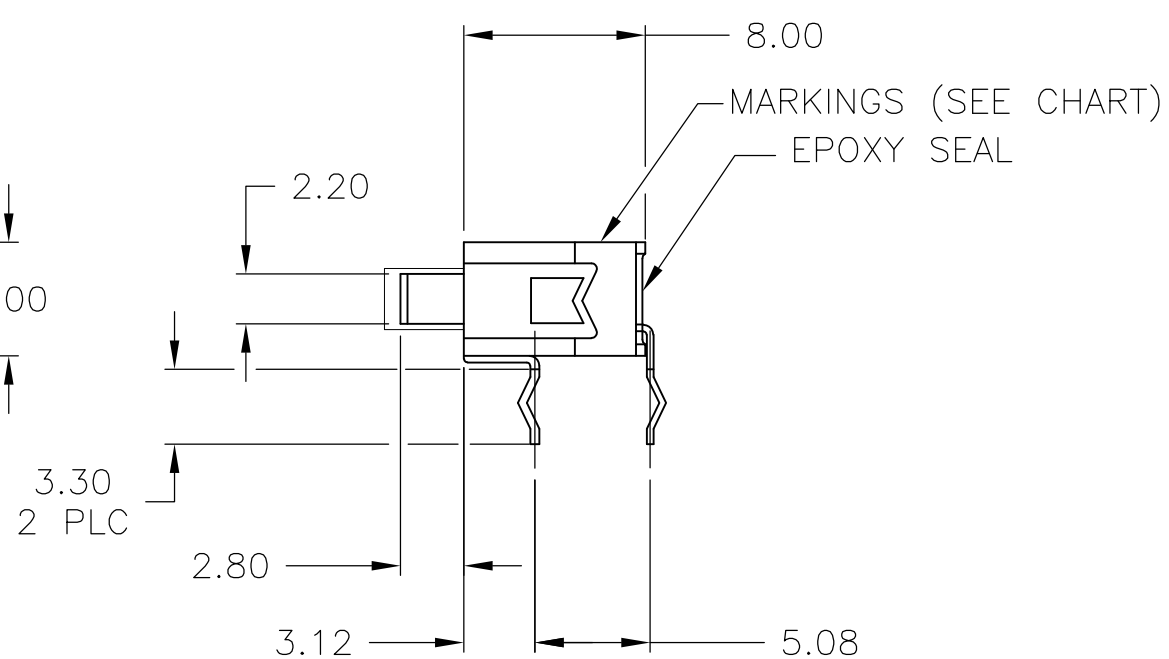
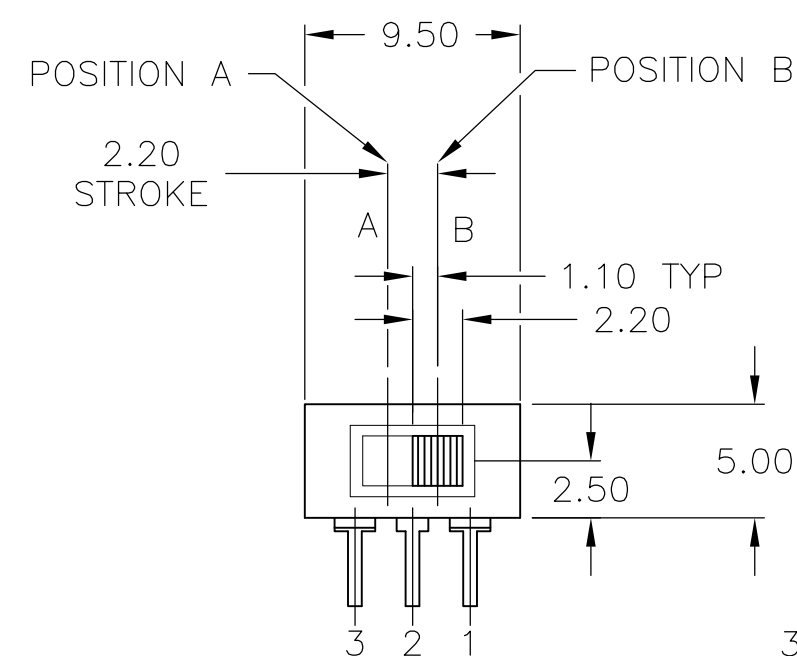
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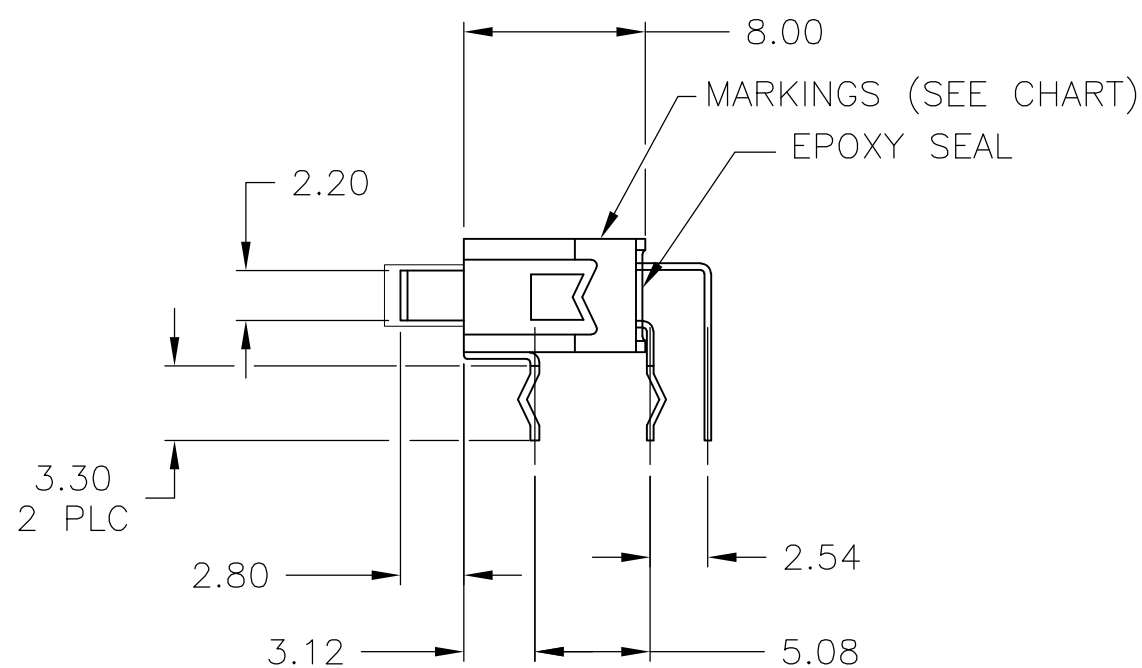
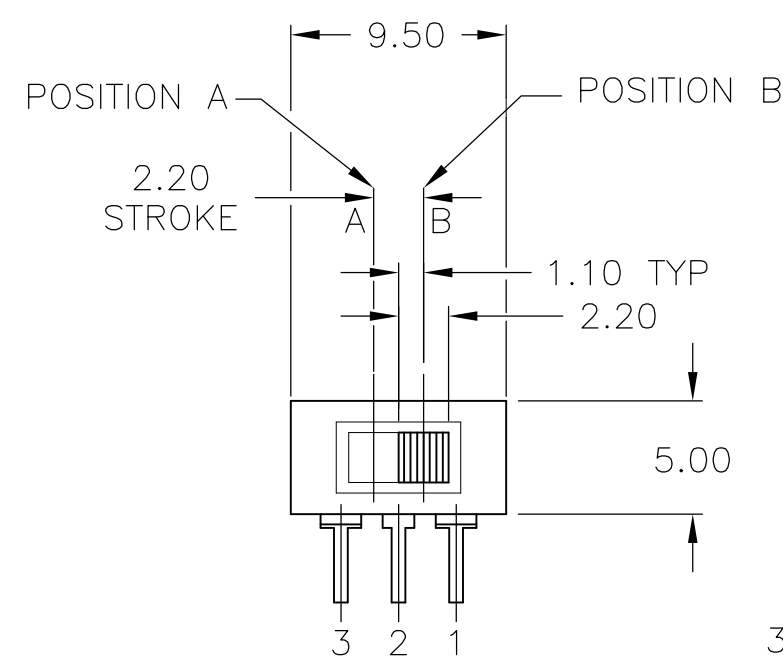
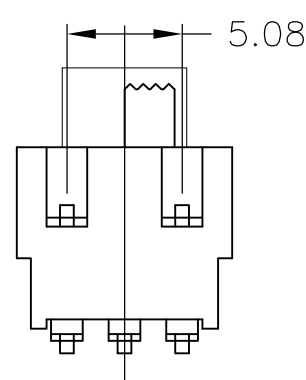
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REVISIONS

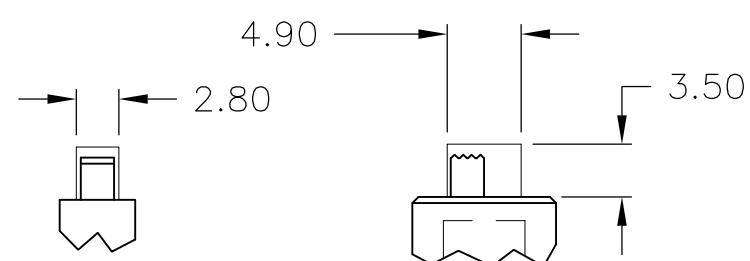
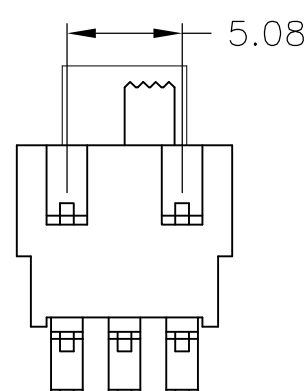
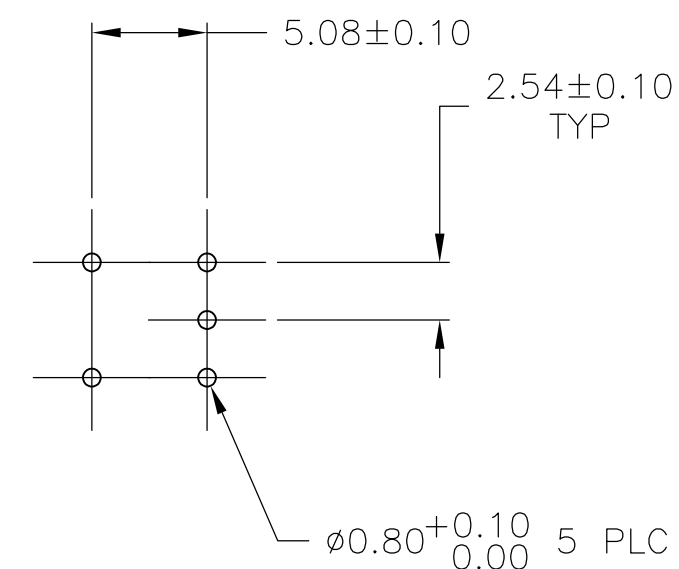
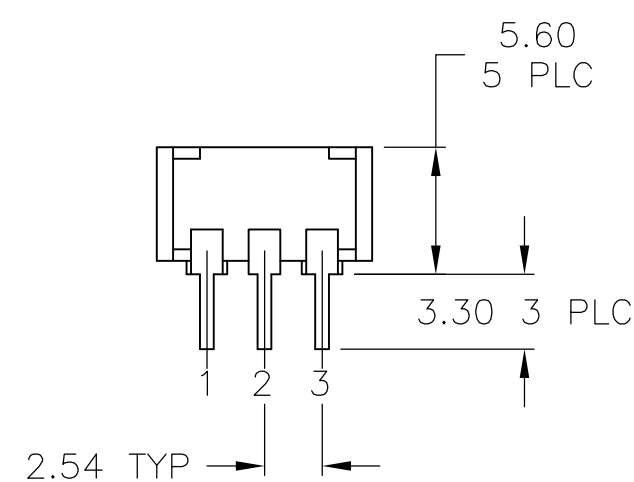
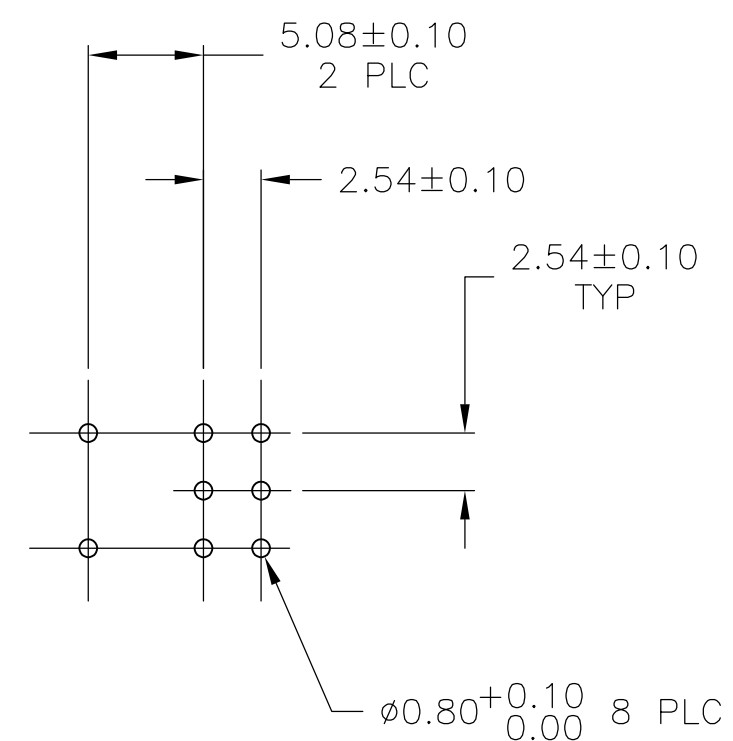
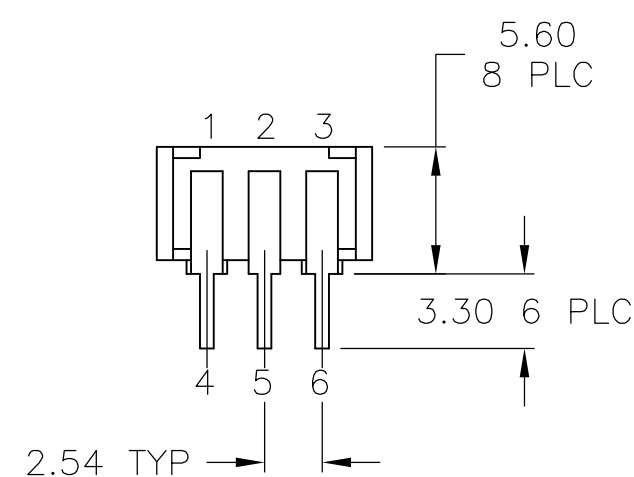
P	LTR	DESCRIPTION	DATE	DWN	APVD
	C	REVISED PER ECO-10-005489	17MAR10	HMR	MW



SINGLE POLE



DOUBLE POLE

ACTUATOR BOOT
DIMENSIONS
SCALE 2:1RECOMENDED
P.C. HOLE LAYOUT
SINGLE POLERECOMENDED
P.C. HOLE LAYOUT
DOUBLE POLE

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B.S.VISWESWARA	02MAR05		 Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
		CHK M.S.SARVER				
DIMENSIONS: mm	TOLERANCES, UNLESS OTHERWISE SPECIFIED:	APVD	NAME			SWITCH, SLIDE, RIGHT ANGLE, SE(**)GRA
	0 PLC ± -	PRODUCT SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO			
	1 PLC ± -	-				
	2 PLC ± 0.25					
	3 PLC ± -	APPLICATION SPEC				
	4 PLC ± -	-	A2 - C=1825031			-
MATERIAL	FINISH	WEIGHT				
-	-	-	CUSTOMER DRAWING			SCALE 3:1 SHEET 1 OF 2 REV C

4

3

2

1

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LOC

DIST

AD

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REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

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SEE SHEET 1

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1. OPERATING TEMPERATURE: −20°C TO 80°C.

2. STORAGE TEMPERATURE: −40°C TO 80°C.

3. CONTACT TIMING: NON−SHORTING.

4. CONTACT RATING: 0.4VA @ 20VDC.

5. CONTACT RATING MAXIMUM: 50mA 48V AC/DC.

6. CONTACT RATING MINIMUM: 1µA 20mV AC/DC.

7 CONTACT PLATING: GOLD OVER SILVER.

8 FIXED CONTACT/TERMINAL: GOLD OVER NICKEL.

9 FRAME PLATING: TIN OVER NICKEL.

10. INITIAL CONTACT RESISTANCE: LESS THAN 50 MILLIOHMS PER EIA 364−23B.

11. FINAL CONTACT RESISTANCE: 100 MILLIOHMS MAX PER EIA 364−23B.

12. INSULATION RESISTANCE: 500 MEGOHMS MIN AT 250VDC PER EIA 364−21C.

13. DIELECTRIC STRENGTH: 500VAC BETWEEN TERMINALS AND GROUND PER EIA 364−20B, CONDITION 1.

14. VIBRATION PER EIA 364−28D, CONDITION VII, LEVEL E.

15. 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)

17. ACTUATION FORCE: 70−500g PER EIA 364−13B.

18. THERMAL SHOCK PER EIA 364−32C, −25°C TO 85°C.

19. HUMIDITY−TEMPERATURE CYCLING PER EIA 364−31B, METHOD III.

20. TEMPERATURE LIFE PER EIA 364−17B, METHOD B, TEMPERATURE TEST CONDITION 3, TIME CONDITION B.

21. RESISTANCE TO SOLDER HEAT PER 109−202,CON B.

22. SOLDERABILITY PER EIA 364−52, CLASS 2, CATEGORY 1.

23. PROCESS SEALED.

24. 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−O 30% GLASS FILLED

TERMINAL BOARD

—

STAINLESS STEEL

COIL SPRING

COLOR− WHITE

PA46 UL94V−O 30% GLASS FILLED

PLUNGER

—

SILICON RUBBER

ACTUATOR BOOT

—

EPOXY

TERMINAL SEAL

7

PHOSPHOR BRONZE

MOVABLE CONTACT

8

PHOSPHOR BRONZE

FIXED CONTACT /TERMINAL

COLOR− YELLOW

PA46 UL94V−O 30% GLASS FILLED

ACTUATOR

9

BRASS

FRAME

COLOR− GRAY

PA46 UL94V−O 30% GLASS FILLED

CASE

FINISH

MATERIAL

PART DESCRIPTION

ON 2−3 5−6

OFF

ON 2−1 5−4

ALCO JAPAN

SE2EGRA04

1825031−4

ON 2−3 5−6

NONE

ON 2−1 5−4

ALCO JAPAN

SE2DGRA04

1825031−3

ON 2−3

OFF

ON 2−1

ALCO JAPAN

SE1EGRA04

1825031−2

ON 2−3

NONE

ON 2−1

ALCO JAPAN

SE1DGRA04

1825031−1

ALCO

POSITION A

ALCO

ALCO

POSITION B

MARKINGS

ALCOSWITCH PART NUMBER

TE PART NUMBER

CIRCUIT ARRANGEMENT

CIRCUIT CHARACTERISTICS

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DWN B.S.VISWESWARA

CHK M.S.SARVER

APVD

02MAR05

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± − 1 PLC ± − 2 PLC ± 0.25 3 PLC ± − 4 PLC ± − ANGLES ± 0°30'

MATERIAL

FINISH

WEIGHT

CUSTOMER DRAWING

PRODUCT SPEC

APPLICATION SPEC

SIZE A2

CAGE CODE −

DRAWING NO C=1825031

RESTRICTED TO

SCALE 1:1

SHEET 2 OF 2

REV C

Tyco Electronics

Tyco Electronics Corporation Harrisburg, Pa 17105−3608

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