

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	C1	ECR-24-211668	27JUN2024	LP	MY

SPECIFICATIONS:

MATERIALS:
CASE, SEE TABLE – UL94V-0
ACTUATOR, NYLON, UL94V-0, SEE P/N TABLE FOR FINISH
COVER, STEEL, TIN FINISH
TERMINAL/FIXED CONTACT, COPPER ALLOY-SILVER FINISH
MOVING CONTACT, STAINLESS STEEL-SILVER FINISH

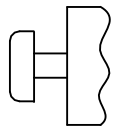
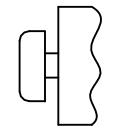
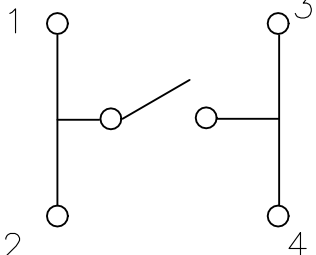
ELECTRICAL:
MAX CONTACT RATING, 50MILLIAMP@24V DC
MIN CONTACT RATING, 1MICROAMP@1V DC
CONTACT RESISTANCE, 100 MILLIOHMS MAX
INSULATION RESISTANCE, 100 MEGOHM MIN.
DIELECTRIC STRENGTH, 500 V AC FOR 1 MINUTE
LIFE EXPECTANCY, 1,000,000 CYCLES

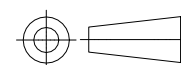
MECHANICAL:
ACTUATION FORCE, SEE P/N TABLE
ACTUATION TRAVEL, 0.25 +0.20/-0.10
LIFE EXPECTANCY, 1,000,000,
(2 CYCLES PER SECOND AND 150% ACTUATION FORCE)

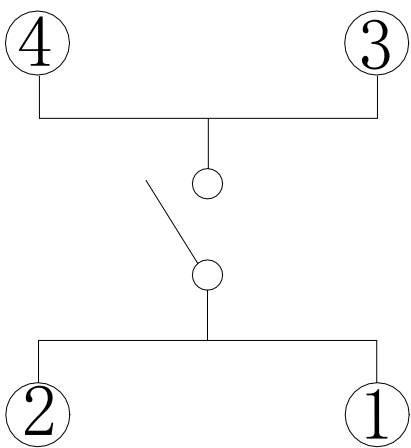
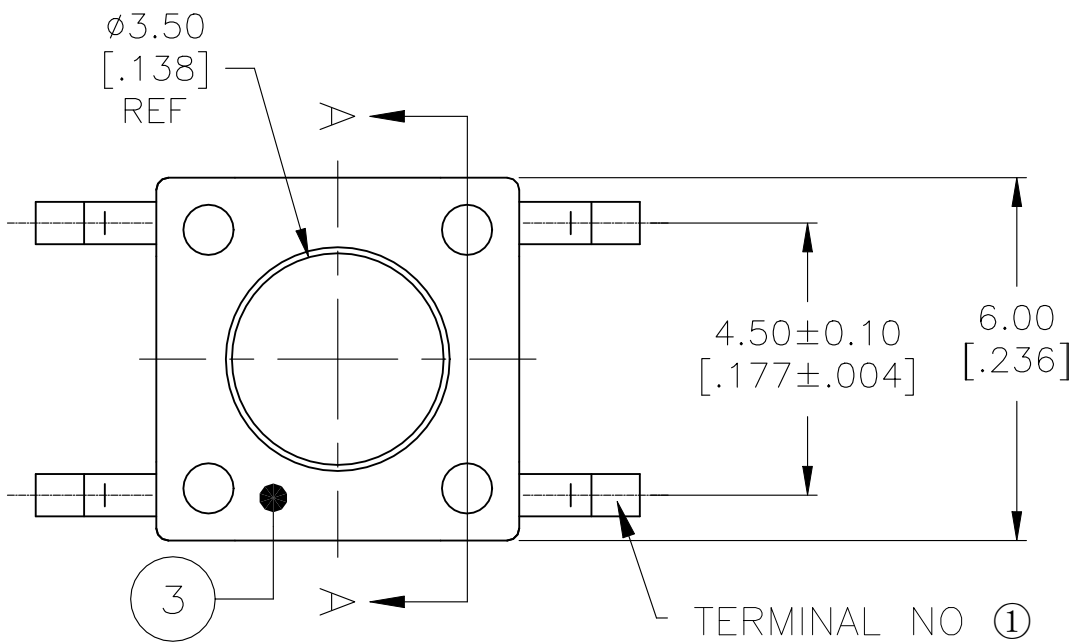
ENVIRONMENTAL:
OPERATING TEMPERATURE, -40 TO +105° C, 45 ~ 85% RH
STORAGE TEMPERATURE, -40 TO +105° C
SOLDERABILITY, EIA-RS-186-9E, OR MIL-STD-202F
RESISTANCE TO SOLDER HEAT, 260° C FOR 10SEC-PER 109-201, COND B
1. NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS

NOTES:

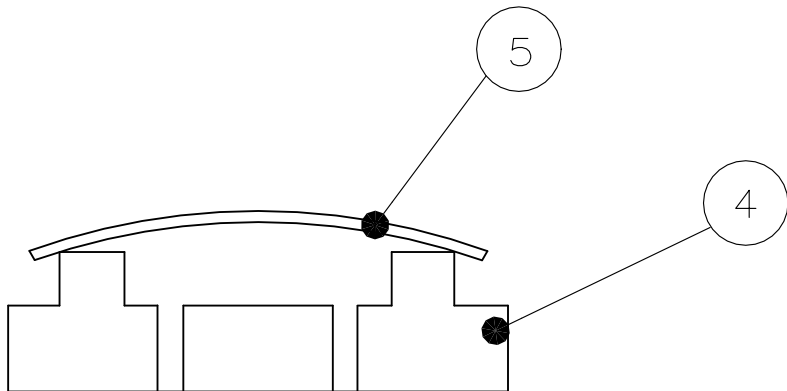
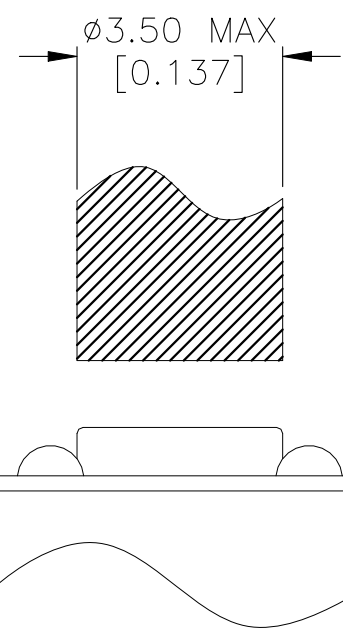
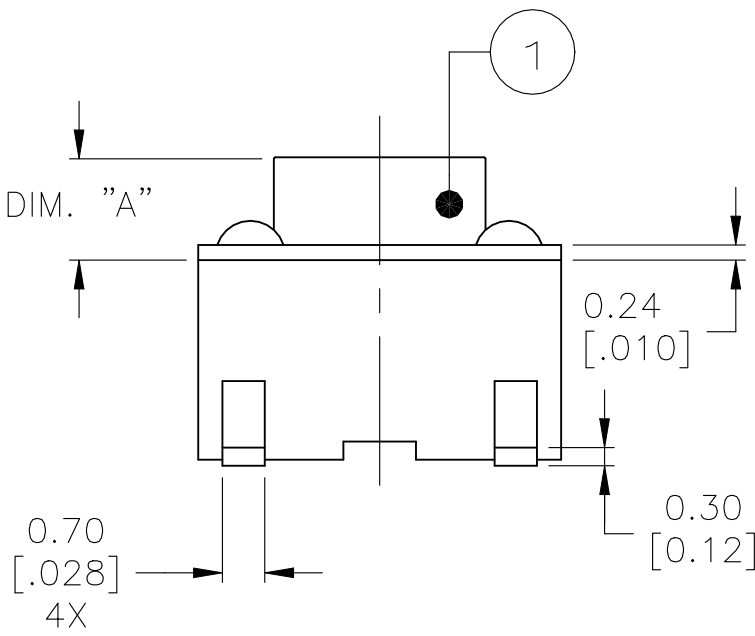
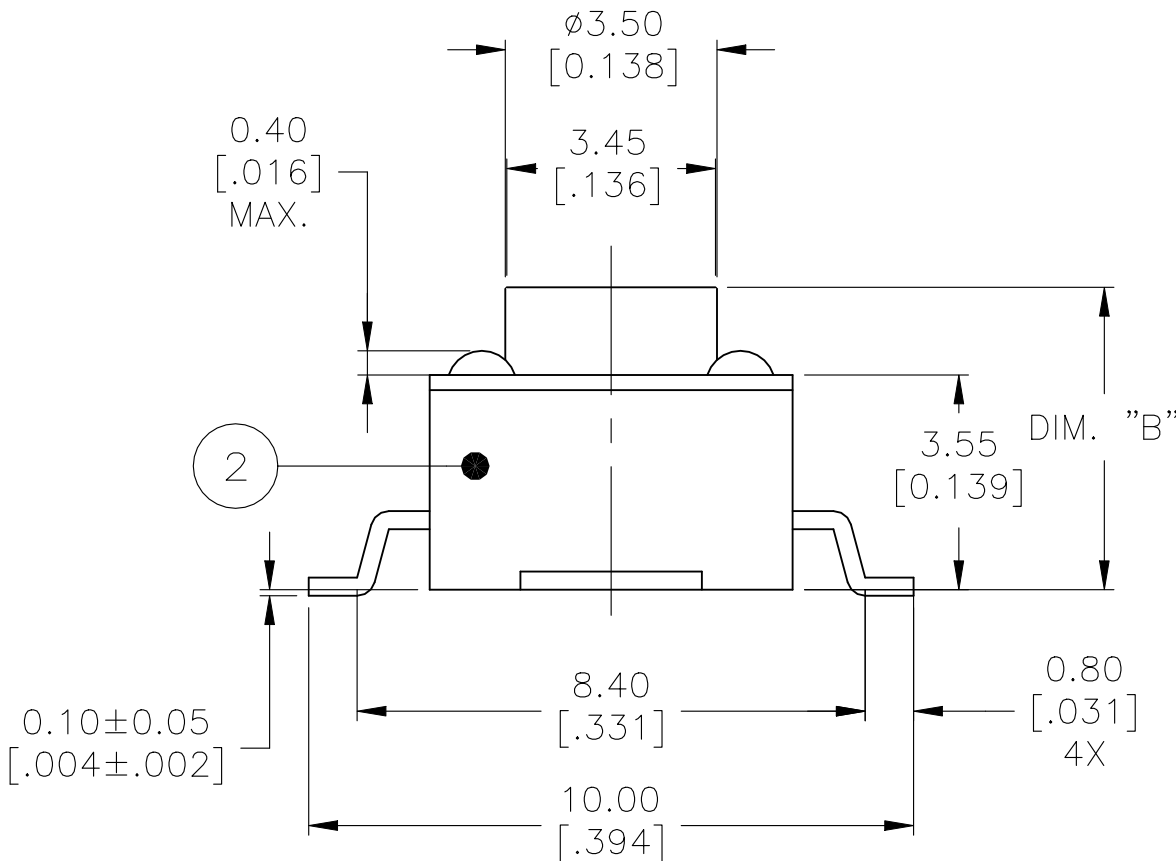
- 1
- TAPE AND REEL PACKAGING PER EIA 481.
- 2
- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

()-INDICATES MOMENTARY POSITION		
CIRCUIT CHARACTERISTICS		
CONTACT POSITION	CIRCUIT DIAGRAM	
		
OFF	(ON) 1 - 3 2 - 4	

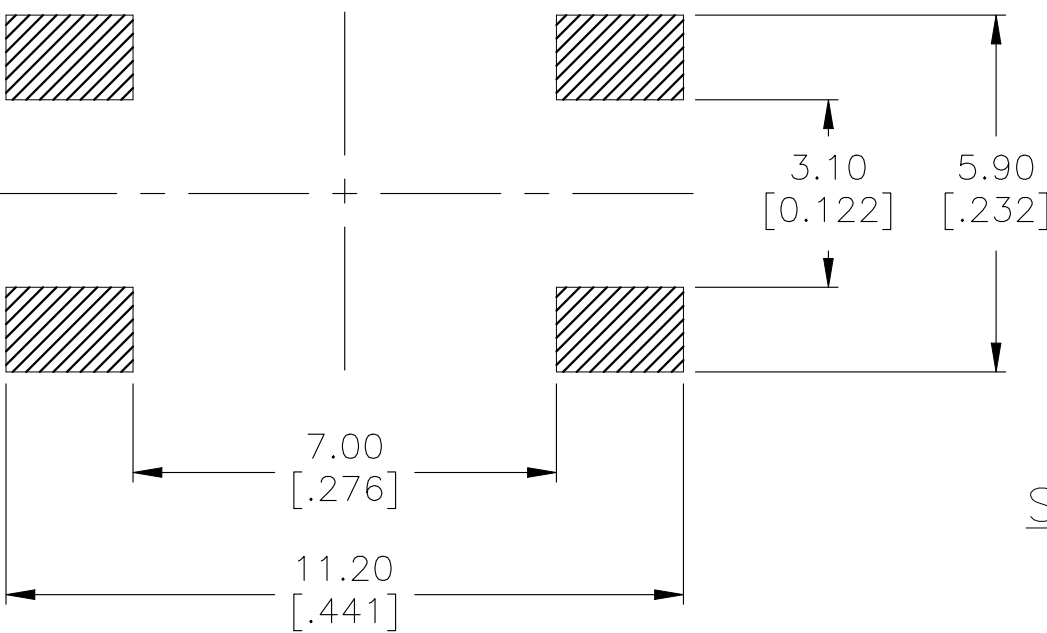
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER	07NOV2007	 TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK M.SARVER	07NOV07	NAME MICRO MINIATURE PUSHBUTTON SWITCH FSM JSM		
		APVD M.SARVER	07NOV07	SIZE A2		
		PRODUCT SPEC		CAGE CODE 00779		
MATERIAL -		APPLICATION SPEC		DRAWING NO C=1977223		
FINISH -		WEIGHT		RESTRICTED TO -		
		CUSTOMER DRAWING		SCALE 8:1		
				SHEET 1 OF 3		
				REV C1		



CIRCUIT DIAGRAM



VIEW A-A



P.C.B LAND DIMENSION

SET MAKER KNOB SIZE (L:4.3mm ONLY)

4		3		2		1										
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										REVISIONS						
										P	LTR	DESCRIPTION		DATE	DWN	APVD
											-	SEE SHEET 1		-	-	-

4

3

2

1

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PRODUCT KEY

TYPICAL PRODUCT KEY

FSM

2

JSM

L

S

TR

TYPE

FSM

TACTILE SWITCH 6X6mm

ACTUATION LENGTH

2	4.3mm(.169)	8	9.5mm(.374)
4	5.0mm(.196)	14	13.0mm(5.12)
6	7.0mm(.276)		

VERSION

JSM

SURFACE MOUNT VERSION

ACTUATION FORCE

XL	0.7±0.3N (70±3gf)	A	1.6±0.5N (160±50gf)
L	1.0±0.3N (100±3gf)	AA	2.6±0.5N (520±50gf)

SWITCHING DOME

S

STEEL DOME

PACKAGING

BLANK

BULK

TR

TAPE & REEL

1977223

B

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

MATERIAL

-

TOLERANCES, UNLESS OTHERWISE SPECIFIED:

0	PLC	±	-
1	PLC	±	-
2	PLC	±	0.30[.012]
3	PLC	±	-
4	PLC	±	-
ANGLES		±	1°

FINISH

-

DWN
M.BINNER
07NOV2007

CHK
M.SARVER
07NOV07

APVD
M.SARVER
07NOV07

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

TE Connectivity

MICRO MINIATURE PUSHBUTTON SWITCH FSM JSM

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1977223

RESTRICTED TO
-

SCALE
8:1

SHEET
3 OF 3

REV
C1

1471-9 (1/15)

Mouser Electronics

Authorized Distributor

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