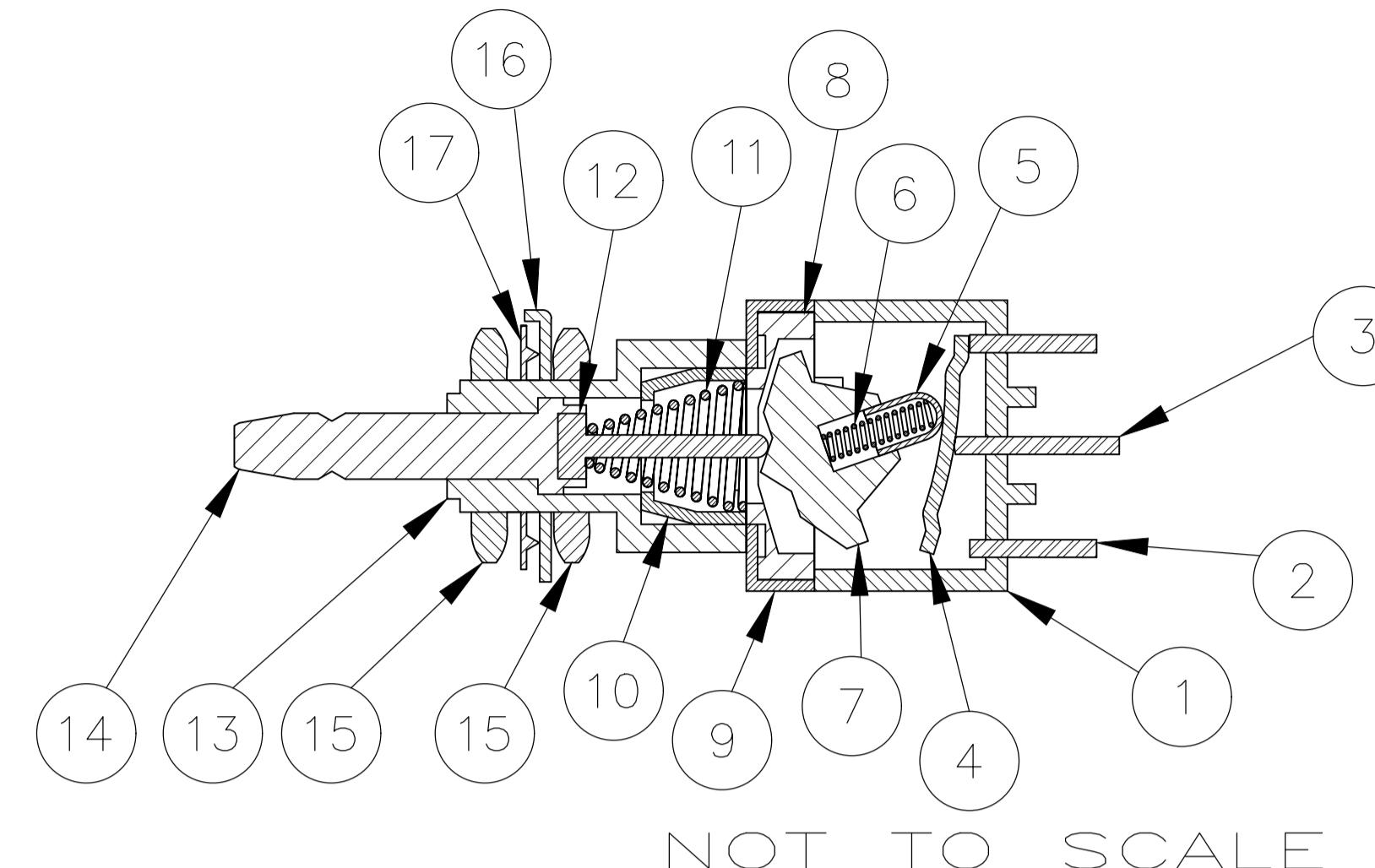


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Materials			
No	Component name	Base material	Plating
1	Housing	Diallyl phthalate resin	
2	End terminal	silver clad copper alloy	gold flash
3	Center terminal	copper alloy	gold flash
4	Rocker contact	silver clad copper alloy	gold flash
5	Actuator tip	Phenol resin, UL94 HB	
6	Actuator spring	music wire	
7	Actuator	Phenol resin, UL94 HB	
8	Actuator guide	polyamid resin	
9	Frame	cold rolled steel	zinc
10	Retainer	brass	none
11	Plunger spring	music wire	
12	Plunger pin	brass	
13	Bushing	zinc	nickel
14	Plunger	brass	nickel
15	Mounting nuts (2)	brass	nickel
16	Locating ring	cold rolled steel	nickel
17	Internal tooth lockwasher	steel	nickel



NOT TO SCALE

076  
072  
TYP

## **Specifications**-see note 3

<b>Current rating UL &amp; CSA</b>	6A @ 125 VAC (resistive) 3A @ 250 VAC (resistive) 4A @ 28 VDC (resistive)		
<b>Initial contact resistance</b>	10 milliohms max @ 2–4 VDC, 1A		
<b>Insulation resistance</b>	1,000 megohms min.		
<b>Dielectric strength</b>	1,500 VAC		
<b>Travel</b>	.140		
<b>Actuation force</b>	.4 to 2 kgf		
<b>Operating temperature</b>	–20°C to +85°C		
<b>Storage temperature</b>	–40°C to +85°C		
<b>Contact timing</b>	break before make		
<b>Terminal seal</b>	over molded		
Durability	Parameter	Push on/ Push off	Momentary
	250 VAC (3A resistive)	50,000	50,000
	125 VAC (6A resistive)	50,000	50,000
	28 VDC (4A resistive)	50,000	50,000

## NOTES.

- NOTES:

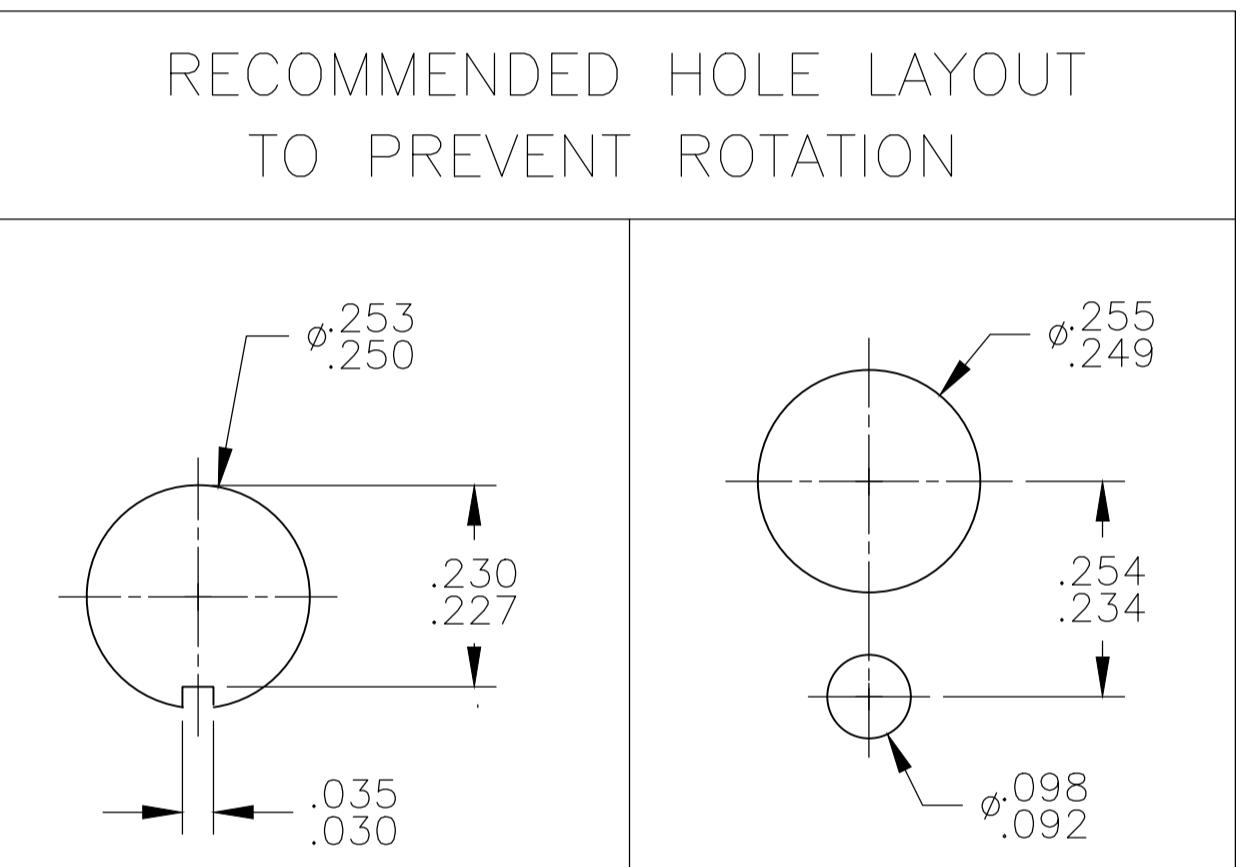
  1. TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.
  2. EACH SWITCH IS SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
    - (2) 1/4-40 UNS-2B HEX NUTS
    - (1) INTERNAL TOOTH LOCKWASHER
    - (1) LOCATING PIN

WIRE LUG CONTACTS WILL ACCEPT 2 #20 AWG SOLID OR STRANDED WIRES

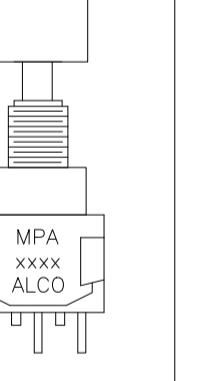
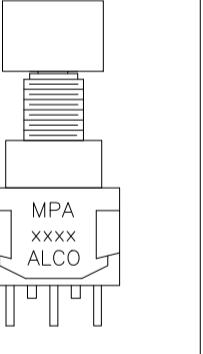
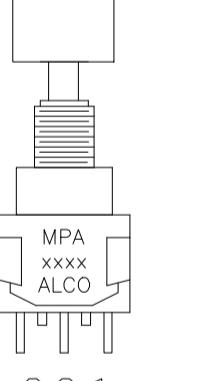
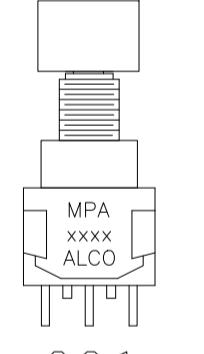
WIRE LOG CON  
MARK SWITCH

7. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).
  8. SWITCH DOES NOT INCLUDE BUTTON CAP. DIMENSIONS SHOWN DESCRIBE ALCOSWITCH CAP C22\* AND C23\* FOUND ON DRAWINGS 1825068 & 1825069 AND SOLD SEPARATELY.
  9. LASER MARKING USED FOR PARTS.

 10. OBSOLETE



# RECOMMENDED HOLE LAYOUT TO PREVENT ROTATION

PART NUMBER	Alco P/N	Mark Switch 	Poles	Throws	Terminal	Function		Connected Terminals	
									
3-1437567-8	MPA406R	MPA 406R	4	2	Wire lug	ON	MOM	2-1, 5-4, 8-7, 11-10	2-3, 5-6, 8-9, 11-12
3-1437567-7	MPA406N	MPA 406N	4	2	Wire lug	ON	ON	2-1, 5-4, 8-7, 11-10	2-3, 5-6, 8-9, 11-12
3-1437567-6	MPA306F	MPA 306F	3	2	Wire lug	ON	MOM	2-1, 5-4, 8-7	2-3, 5-6, 8-9
3-1437567-5	MPA306D	MPA 306D	3	2	Wire lug	ON	ON	2-1, 5-4, 8-7	2-3, 5-6, 8-9
3-1437567-4	MPA206RPC	MPA 206RPC	2	2	PC	ON	MOM	2-1, 5-4	2-3, 5-6
3-1437567-3	MPA206R	MPA 206R	2	2	Wire lug	ON	MOM	2-1, 5-4	2-3, 5-6
3-1437567-2	MPA206NPC	MPA 206NPC	2	2	PC	ON	ON	2-1, 5-4	2-3, 5-6
3-1437567-1	MPA206N	MPA 206N	2	2	Wire lug	ON	ON	2-1, 5-4	2-3, 5-6
3-1437567-0	MPA106FPC	MPA 106FPC	1	2	PC	ON	MOM	2-1	2-3
2-1437567-9	MPA106F	MPA 106F	1	2	Wire lug	ON	MOM	2-1	2-3
2-1437567-8	MPA106D	MPA 106D	1	2	Wire lug	ON	ON	2-1	2-3

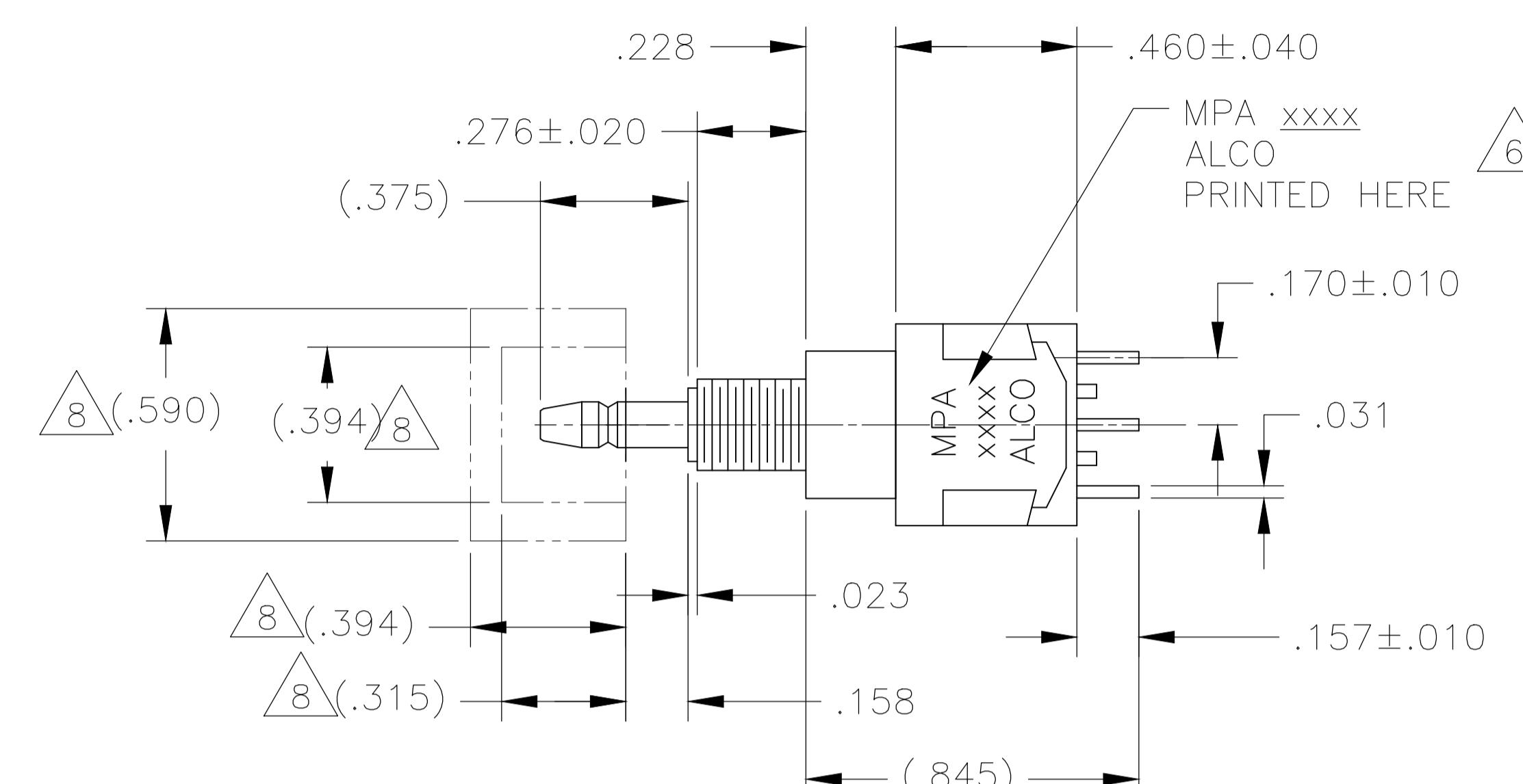
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER	02MAR09		TE Connectivity Ltd.		
		CHK M.ZITTO	15NOV04				
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M.ZITTO	15NOV04	NAME ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH, MPA SERIES —			
	0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± .012 4 PLC ± — ANGLES ± —	PRODUCT SPEC — APPLICATION SPEC —					
MATERIAL —	FINISH —	WEIGHT	A1	SIZE 00779	CAGE CODE C-2-1437567-9	DRAWING NO	RESTRICTED TO
CUSTOMER DRAWING				SCALE 3:1	SHEET 1 OF 3	REV A5	

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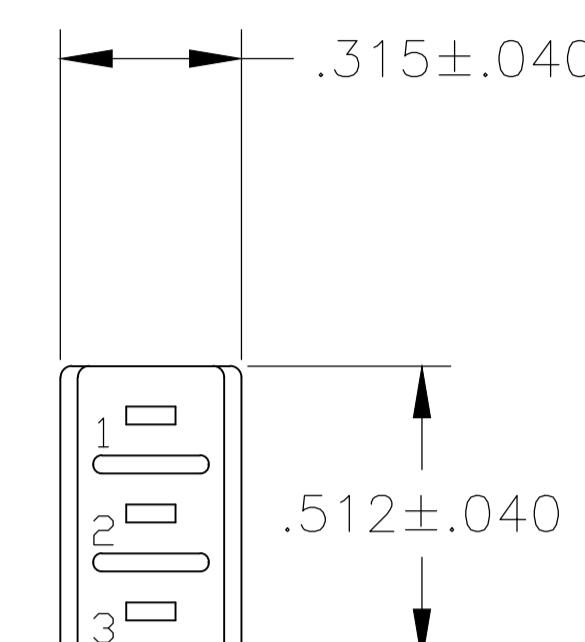
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#### REVISIONS

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



MPA-106



A diagram of a rectangular component divided into six rectangular pads arranged in two columns of three. The left column contains pads labeled 1, 2, and 3 from top to bottom. The right column contains pads labeled 4, 5, and 6 from top to bottom. Two horizontal measurement callouts extend from the top and bottom edges of the component. The top callout, spanning the width of the component, is labeled  $.512 \pm .040$ . The bottom callout, spanning the width of the component, is labeled  $.190 \pm .010$ .

This technical drawing illustrates the assembly of a wide lug terminal. The main view shows a rectangular base plate with a central hole. A cylindrical component, labeled 'NOTEAR BUSHNG', is inserted into this hole. A 'WIDE LUG TERMINAL' is attached to the side of the base plate. The terminal has a threaded connection, indicated by the text '1/4-40 UNS-2A'. On the side of the terminal, there is an 'OBLONG HOLE TYP' with dimensions '.039 X .078'. The overall height of the assembly is specified as '.350'. A callout 'SEE DETAIL A' points to a detailed view showing the internal structure of the lug terminal, which includes a 'KEYWAY' with a 'DEEP' part of .022 and a 'WIDE' part of .040. The drawing also includes a note: 'COUNTRY OF ORGIN STAMPED HERE EITHER SIDE'.

NOTEAR  
BUSHNG

SEE DETAIL A

$\phi .374$

.350

.022 DEEP  
.040 WIDE  
KEYWAY  
REF

COUNTRY  
OF ORGIN  
STAMPED HERE  
EITHER SIDE

1/4-40 UNS-2A

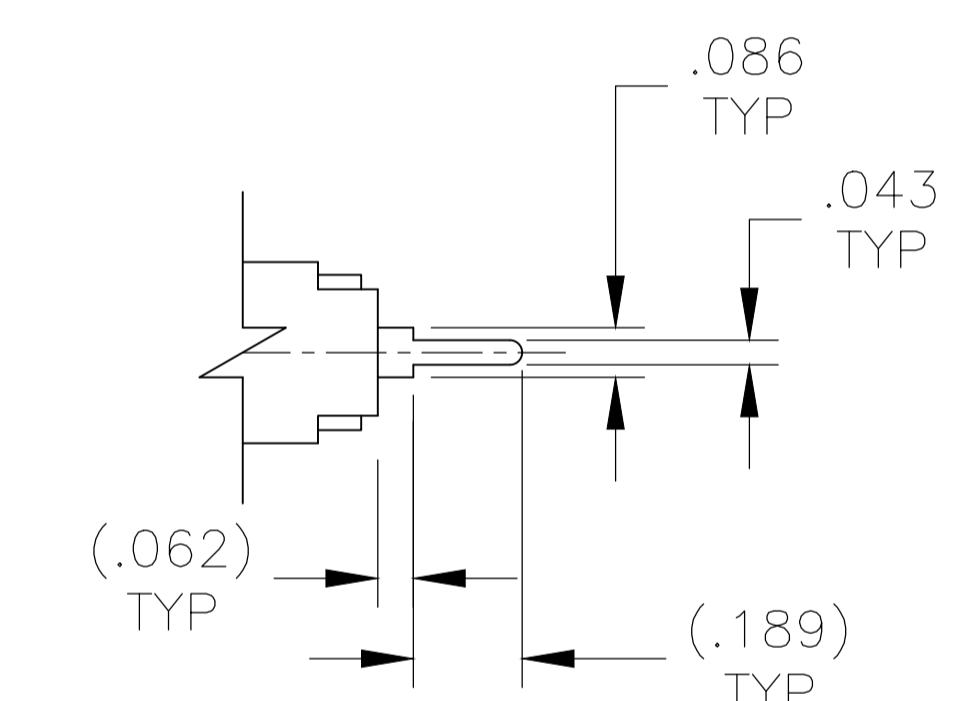
.039 X .078  
OBLONG HOLE TYP

.086 TYP

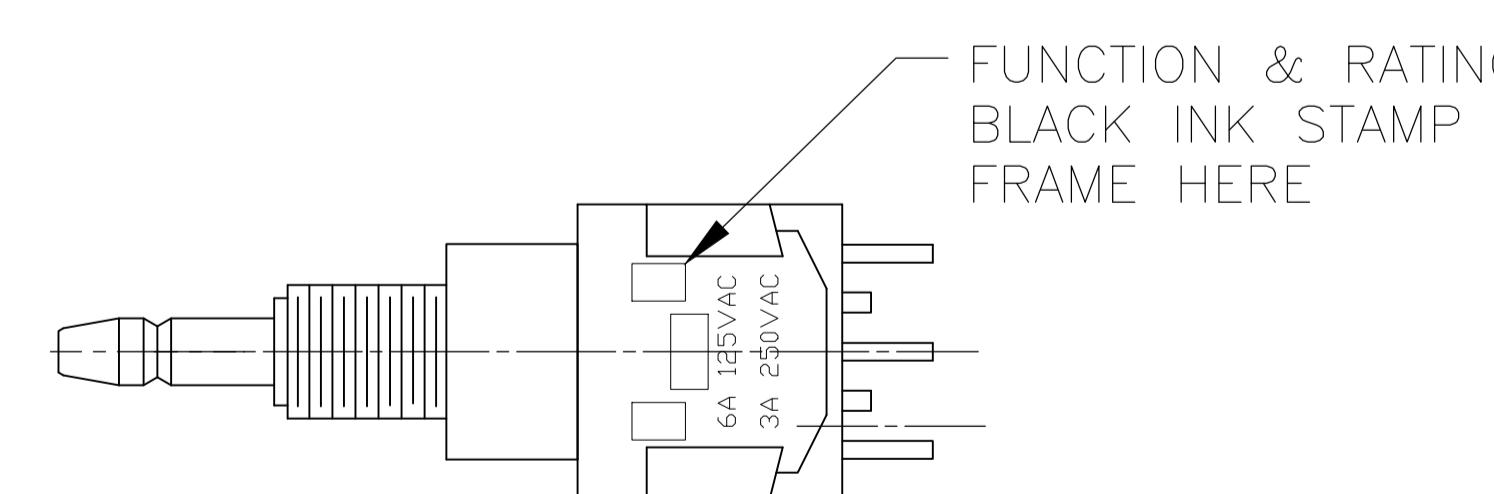
WIDE LUG TERMINAL

5

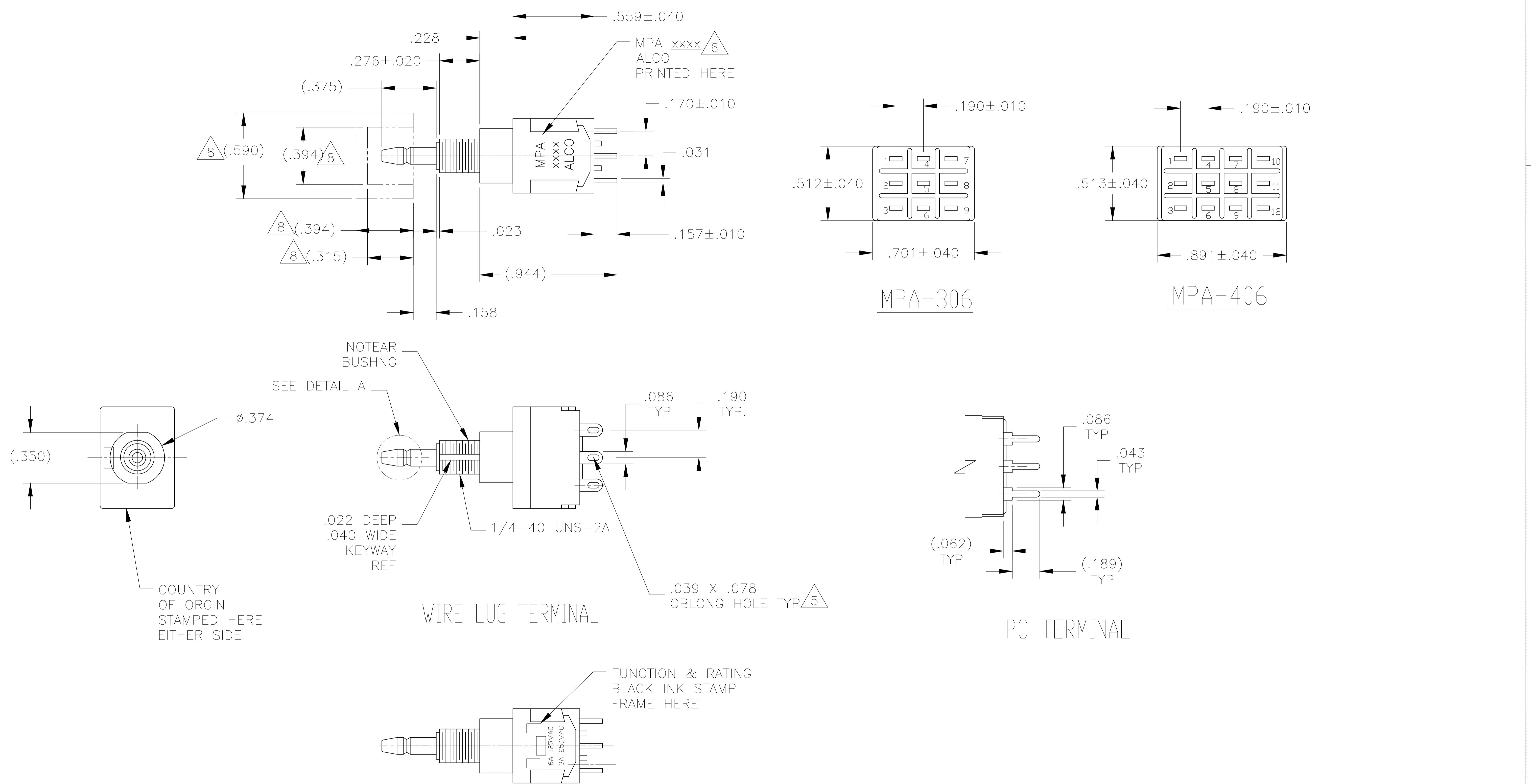
# WIRE LUG TERMINA



# PC TERMINAL



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		CHK M.ZITTO	15NOV04			
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M.ZITTO	15NOV04	NAME  ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH, MPA SERIES —	RESTRICTED TO —	
	0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± .012 4 PLC ± — ANGLES ± —	PRODUCT SPEC — APPLICATION SPEC —				
MATERIAL —	FINISH —	WEIGHT	A1 00779 C-2-1437567-9			
CUSTOMER DRAWING				SCALE 3:1	SHEET 2 OF 3	REV A5



THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN 02MAR09 OK-M.BINNER	02MAR09 OK-M.ZITTO	TE Connectivity Ltd.
DIMENSIONS: INCHES		TOLERANCES: UNLESS OTHERWISE SPECIFIED:		NAME ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH, MPA SERIES
1 PLC	± -	APVD M.ZITTO	15NOV04 PRODUCT SPEC	-
2 PLC	± -	-	APPLICATION SPEC	-
3 PLC	± .012	-	-	-
4 PLC	± -	MATERIAL	WEIGHT	RESTRICTED TO
PC	± -	-	A1 00779 C-2-1437567-9	CUSTOMER DRAWING
			SCALE 3:1	3 OF 3 REV A5