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LOCADIST

AD00

REVISONS

REV

LTR

DESCRIPTION

DATE

DWN

APVD

A3

ECO-11-005556

02MAR11

PSK

WB

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

1 POLE ———
2 POLES ———
3 POLES ———
4 POLES ———

PC BOARD LAYOUT
PC TERMINALS ONLY

Specifications-see note 3			
Current rating UL & CSA	6A @ 125 VAC (resistive)		
	3A @ 250 VAC (resistive)		
	4A @ 28 VDC (resistive)		
Initial contact resistance	10 milliohms max @ 2-4 VDC, 1A		
Insulation resistance	1,000 megohms min.		
Dielectric strength	1,500 VAC		
Travel	.140		
Actuation force	.4 to 2 kgf		
Operating temperature	-20C to +85C		
Storage temperature	-40C to +85C		
Contact timing	break before make		
Terminal seal	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

RECOMMENDED HOLE LAYOUT
TO PREVENT ROTATION

NOTES:

1. TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.

2. EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
(2) 1/4-40 UNS-2B HEX NUTS
(1) INTERNAL TOOTH LOCKWASHER
(1) LOCATING RING

5

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

6

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.

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.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .012

4 PLC ± -

ANGLES ± -

MATERIAL -

FINISH -

DWN M. BINNER 02MAR09

CHK M. ZITTO 15NOV04

APVD M. ZITTO 15NOV04

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

NAME

ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH, MPA SERIES

SIZE CAGE CODE DRAWING NO

A1 00779 2-1437567-9

RESTRICTED TO

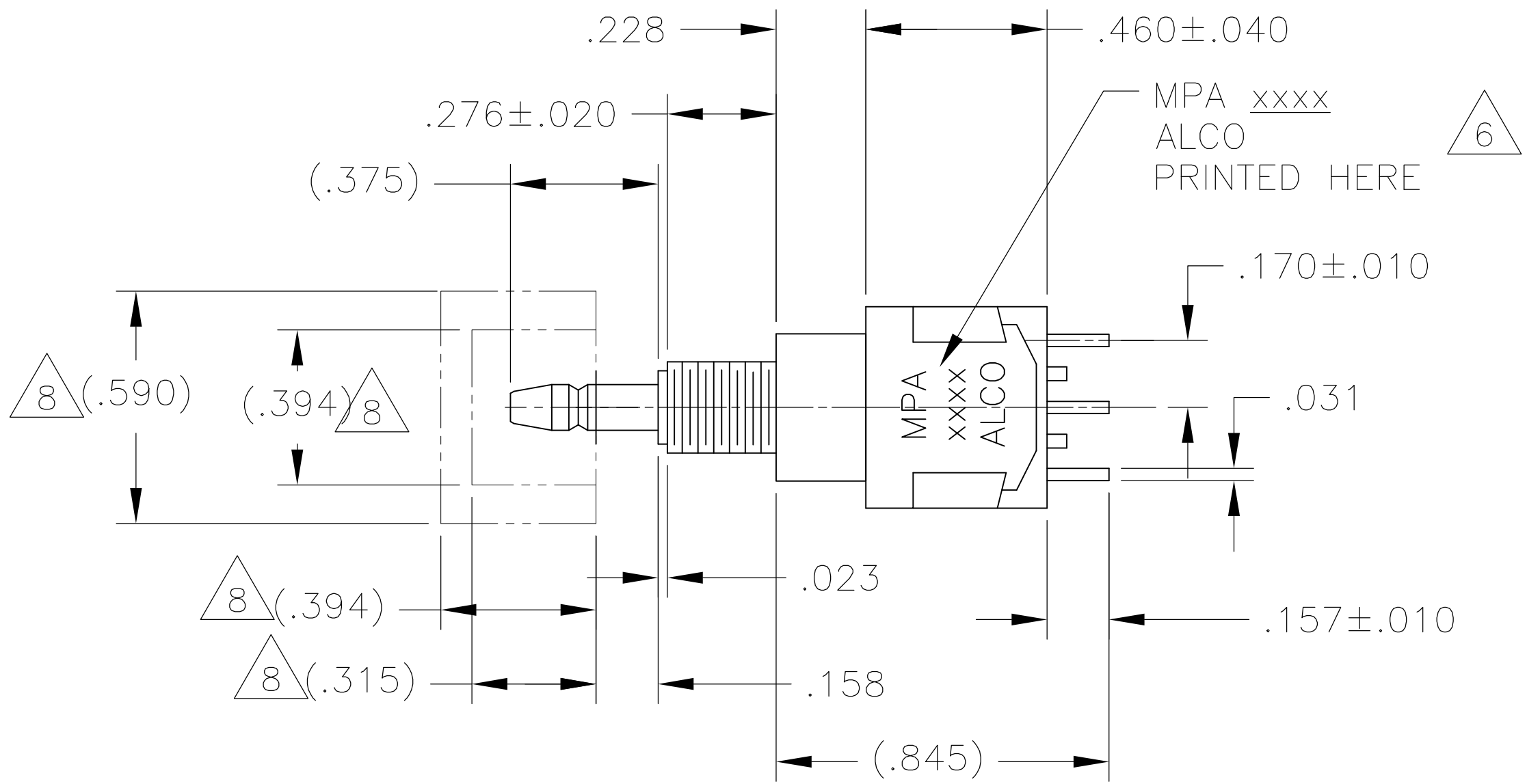
SCALE 3:1

SHEET 1 OF 3

REV A3

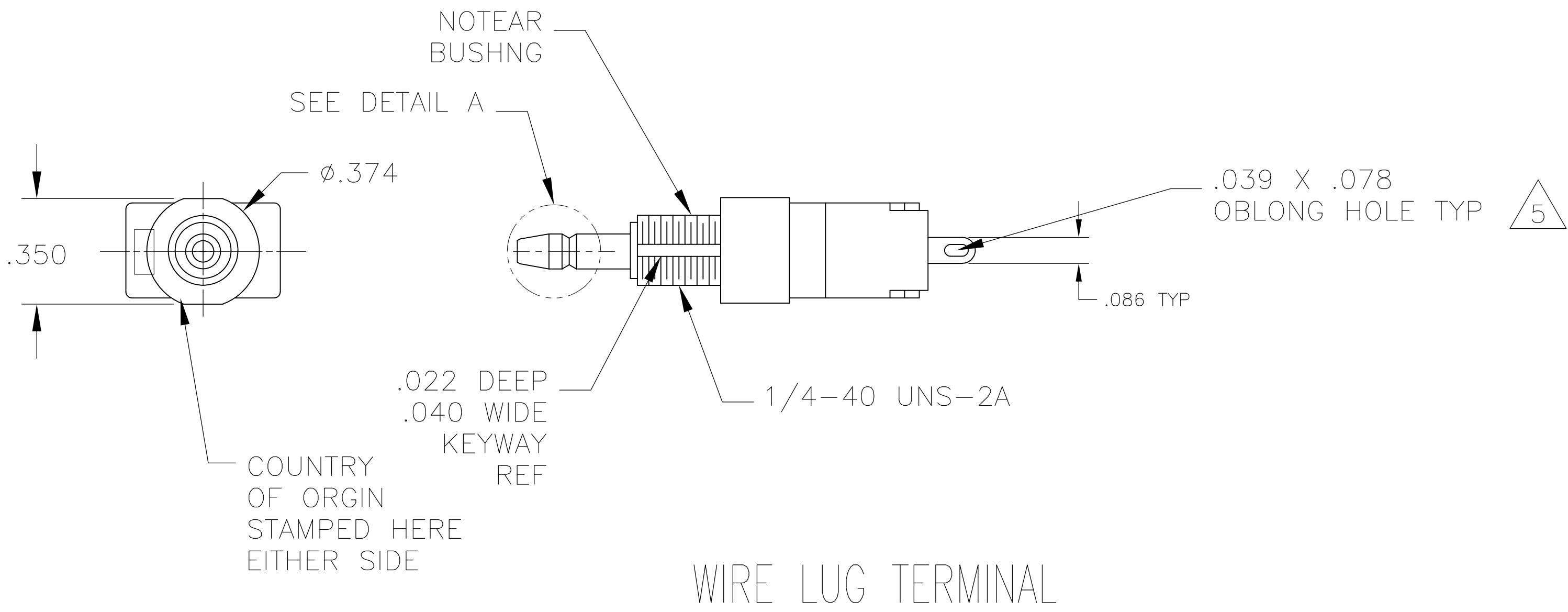
4805 (3/11)

LOC	DIST	REVISIONS				
		REV	LTR	DESCRIPTION	DATE	APP'D
AD	00	-	-	SEE SHEET 1	-	-

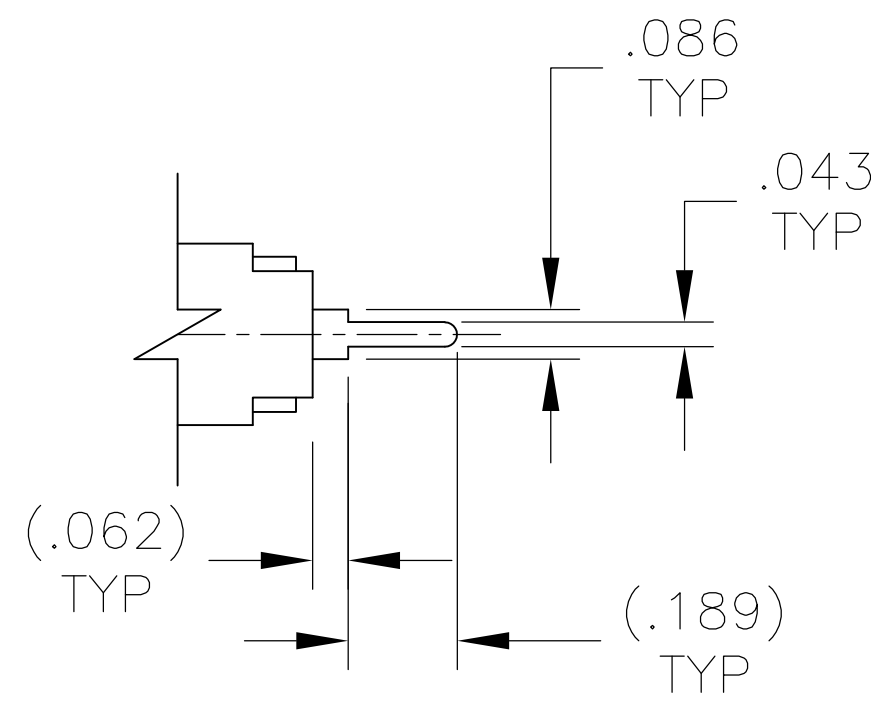


MPA-106

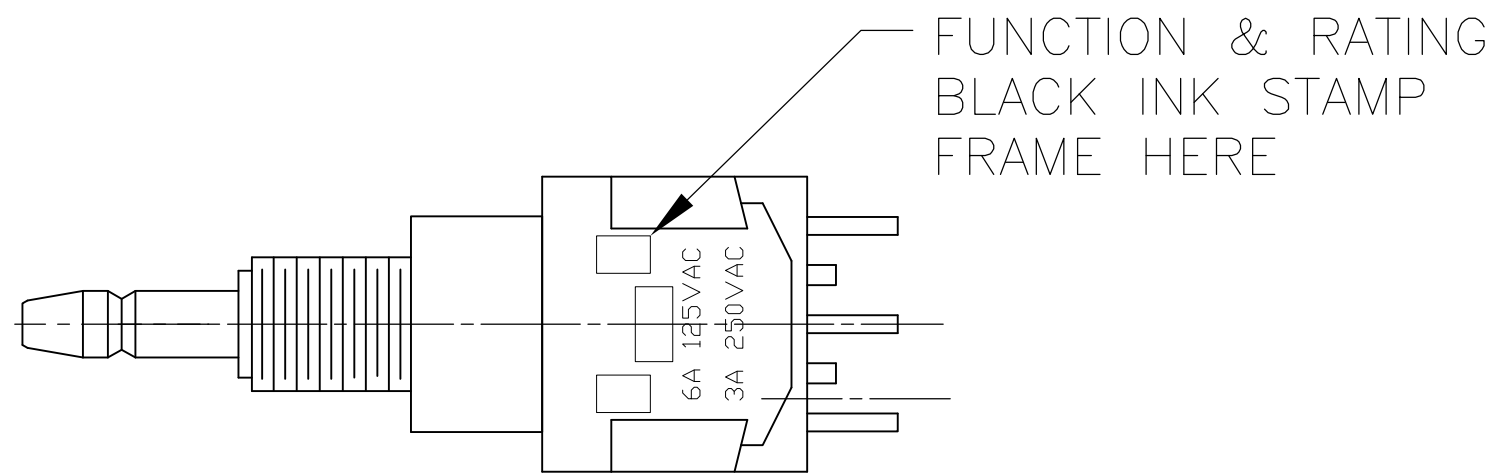
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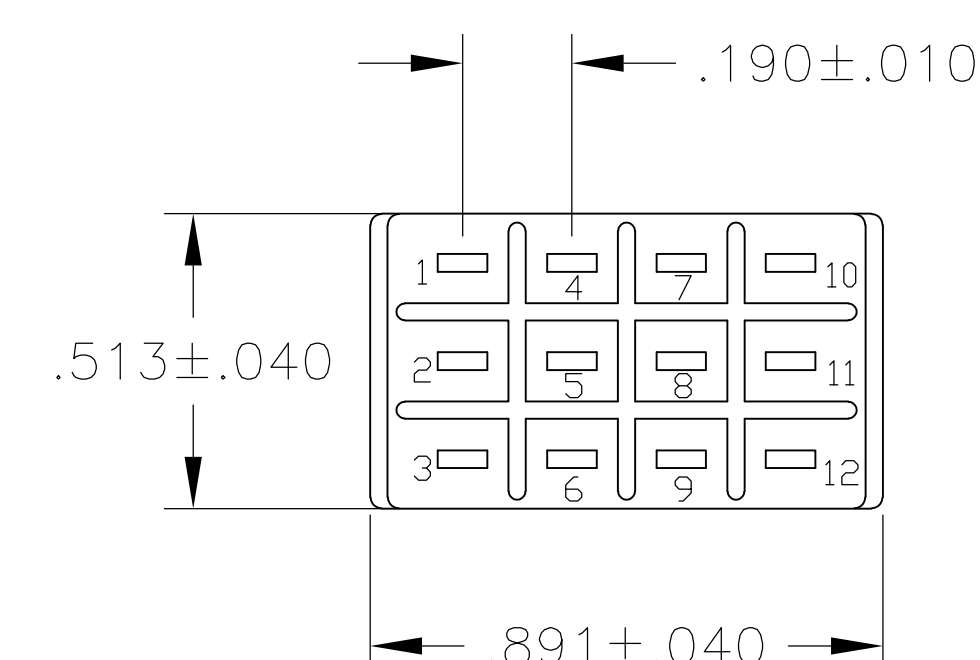
WIRE LUG TERMINAL



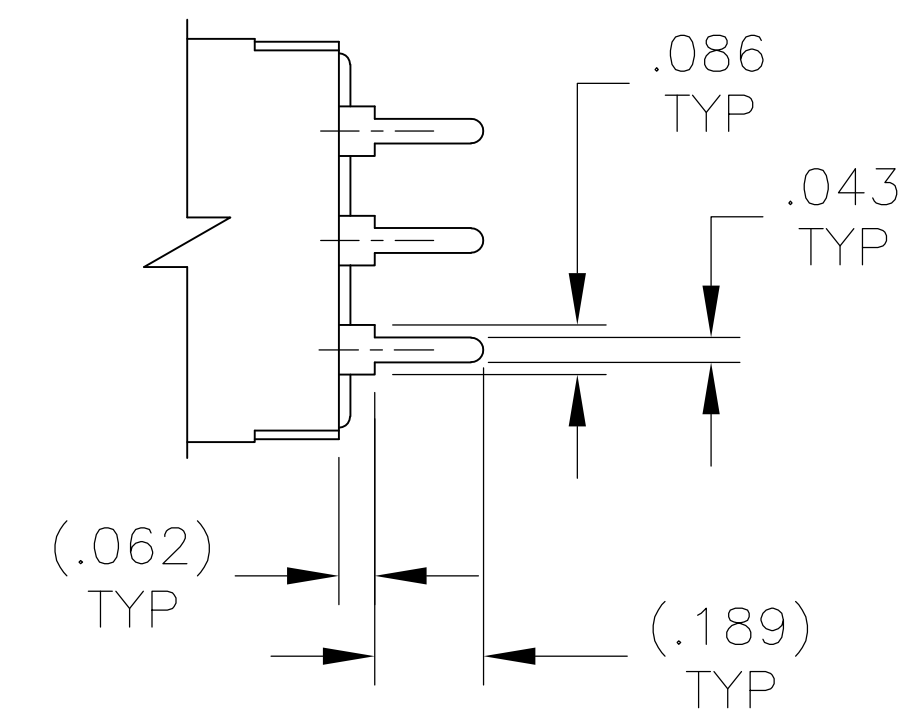
PC TERMINAL



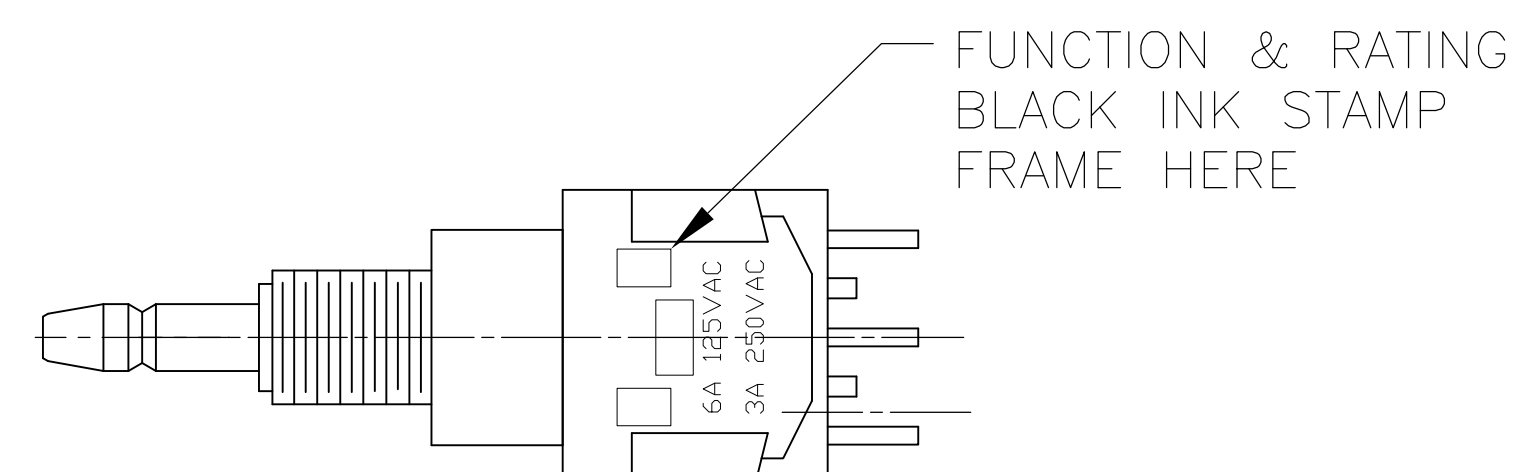
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER	02MAR09	TE Connectivity	
DIMENSIONS: INCHES		CHK M. ZITTO	15NOV04		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APP'D M. ZITTO	15NOV04	NAME ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH, MPA SERIES	
0. PLC ± .010 1. PLC ± .010 2. PLC ± .010 3. PLC ± .010 4. PLC ± .010 ANGLES ± .010		PRODUCT SPEC		APPLICATION SPEC	
MATERIAL		WEIGHT		SIZE A1	
FINISH		CUSTOMER DRAWING		SCALE 3:1	
		SHEET 2		OF 3	
		REV A3			



MPA-406



PC TERMINAL



- FUNCTION & RATING
BLACK INK STAMP
FRAME HERE