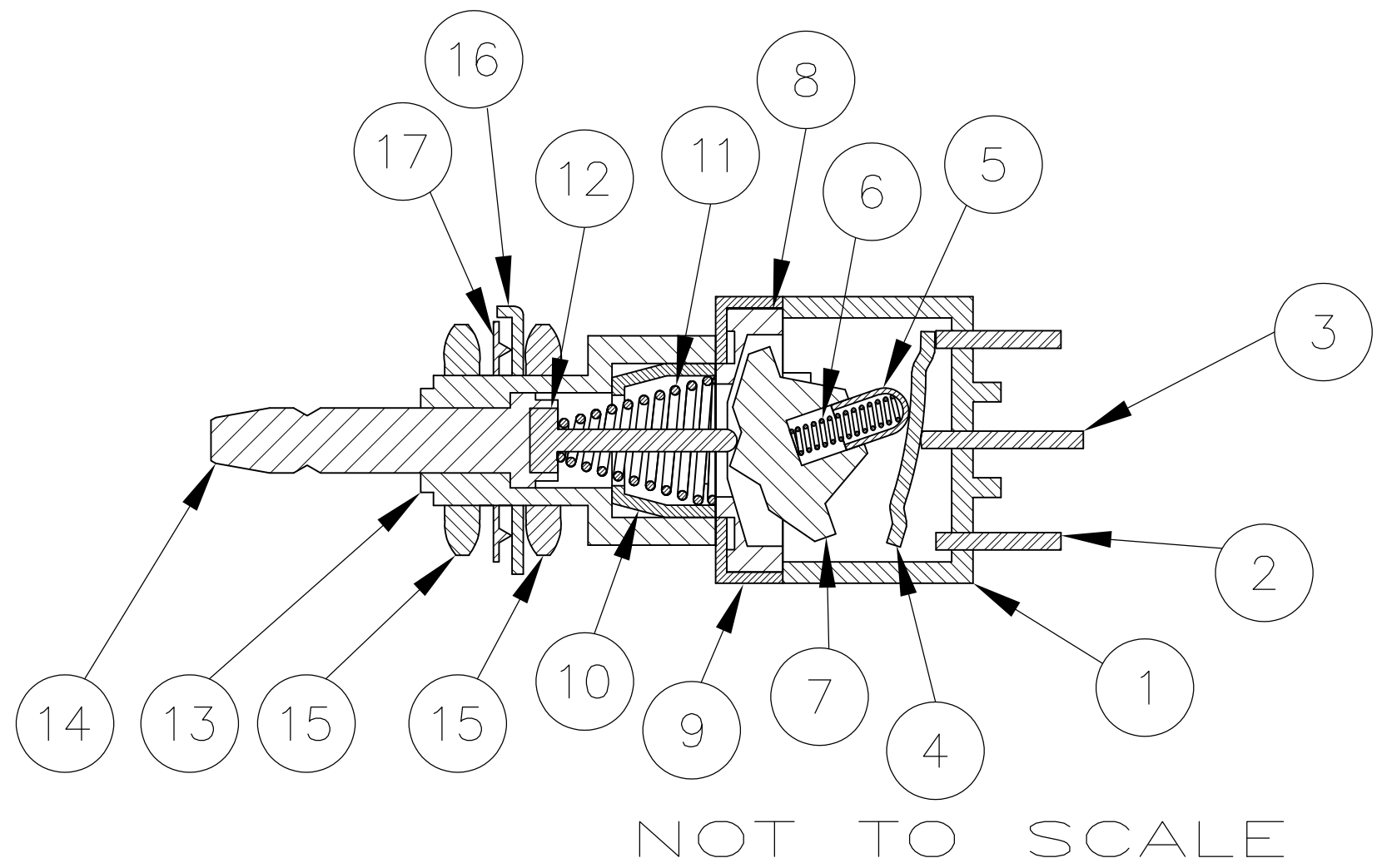


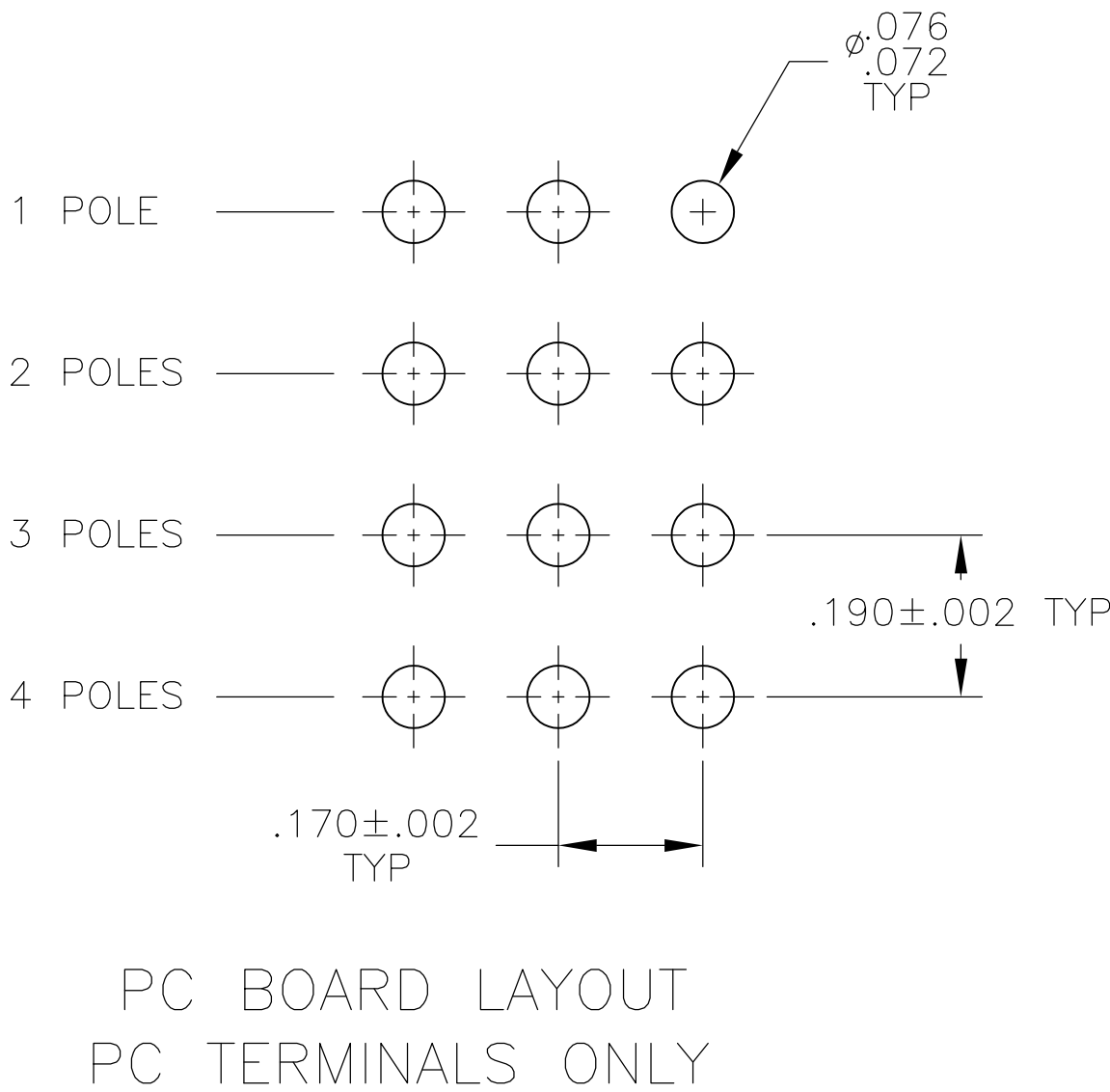
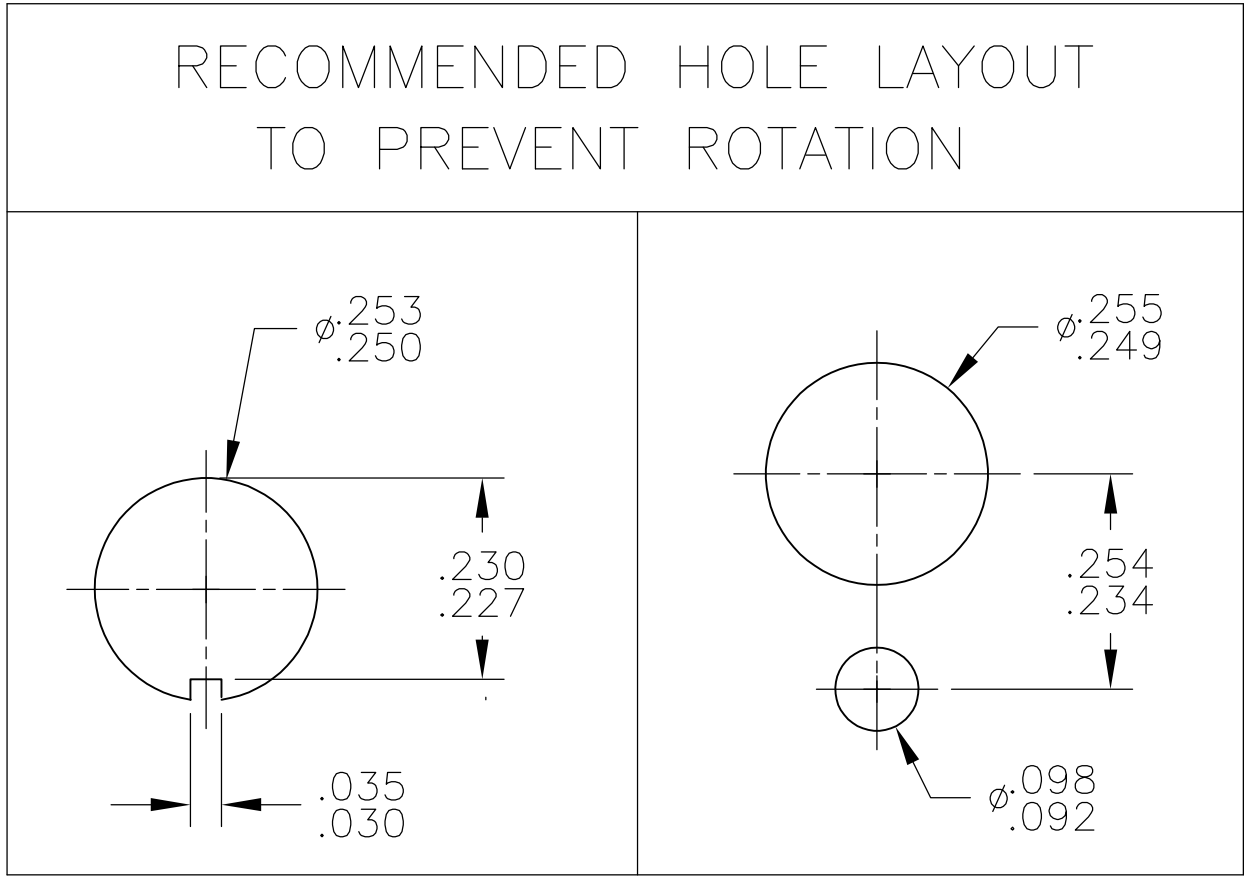
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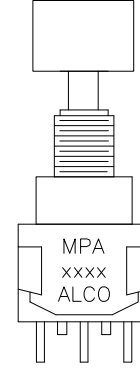
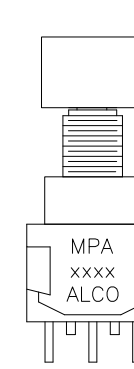
LOC		DIST		REVISIONS					
AD		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
					A4	REVISED PER ECO-14-010935	18JUL2014	NK	RH

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



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



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

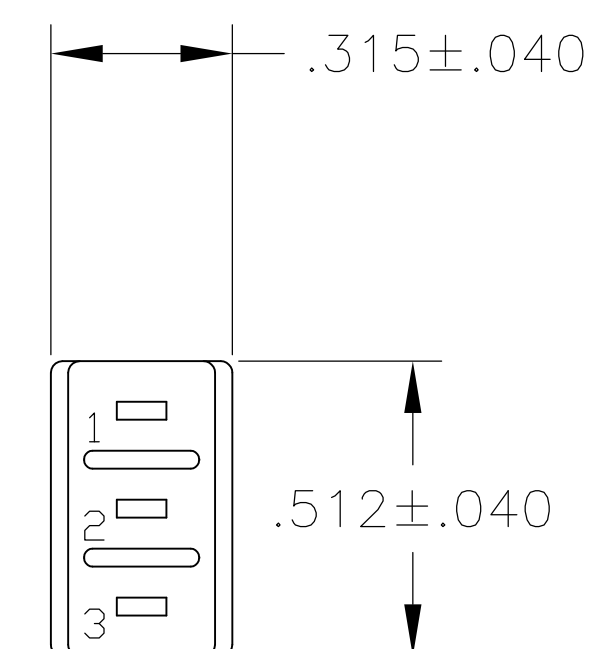
NOTES:

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



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.

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

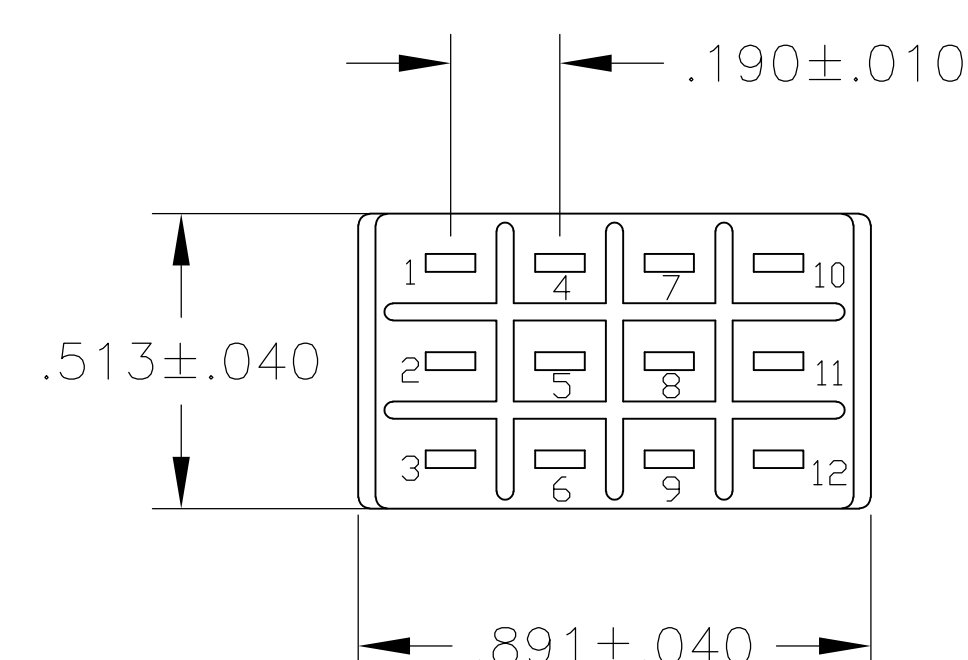


Technical drawing of a 2x2 grid of rectangular cells. The overall width is dimensioned as $.512 \pm .040$ and the overall height as $.190 \pm .010$. The grid is divided into four quadrants, each containing a small rectangular feature. The quadrants are numbered 1, 2, 3, and 4 in the top-left, bottom-left, bottom-right, and top-right positions respectively. The drawing includes dimension lines and arrows indicating the specified tolerances.

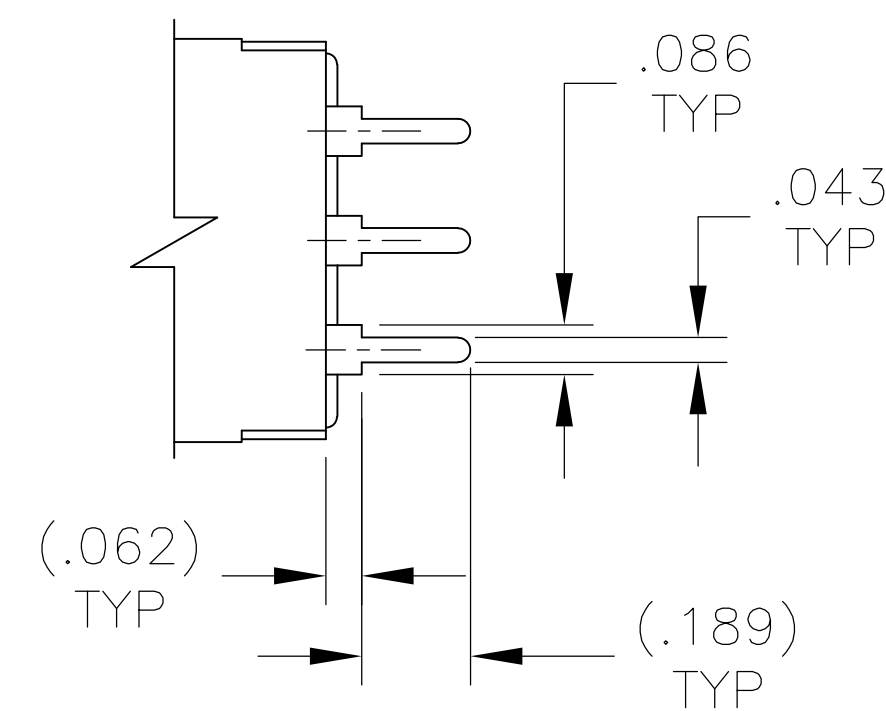
Technical drawing of a shaft assembly. The drawing shows a shaft with a keyway and a pulley. Dimensions and tolerances are indicated:

- Shaft diameter: $\varnothing .086$ TYP
- Keyway width: $.043$ TYP
- Keyway depth: $(.062)$ TYP
- Shaft length: $(.189)$ TYP

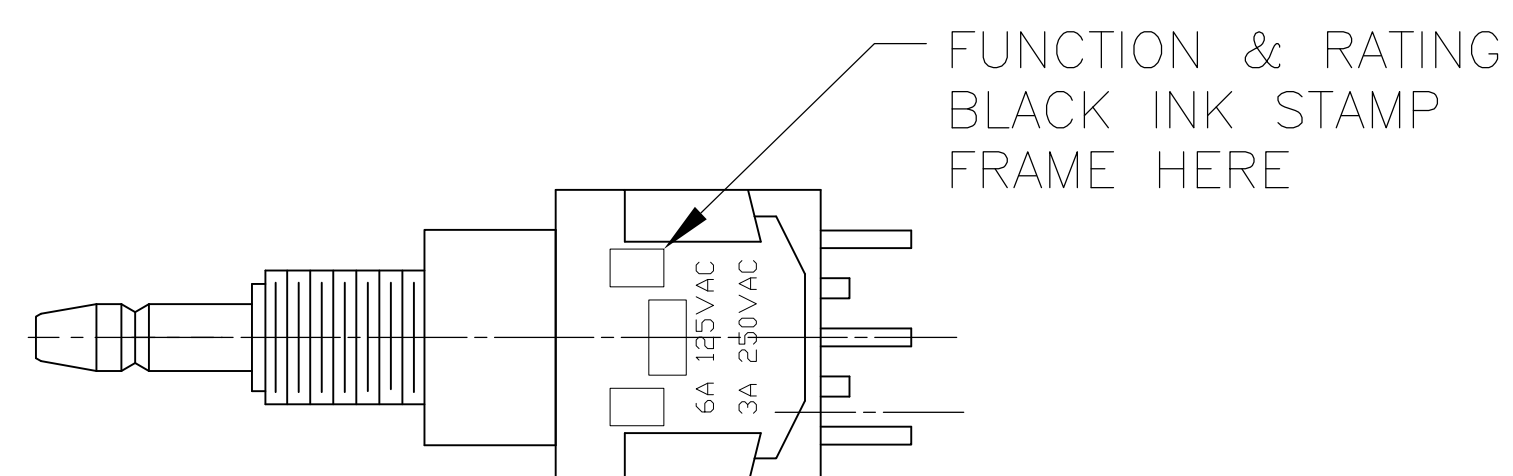
Diagram of a 250VAC 6A/3A plug. The plug features a black ink stamp area labeled "FUNCTION & RATING BLACK INK STAMP FRAME HERE". The stamp area contains the text "6A 125VAC" and "3A 250VAC".



MPA-406



PC TERMINAL



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