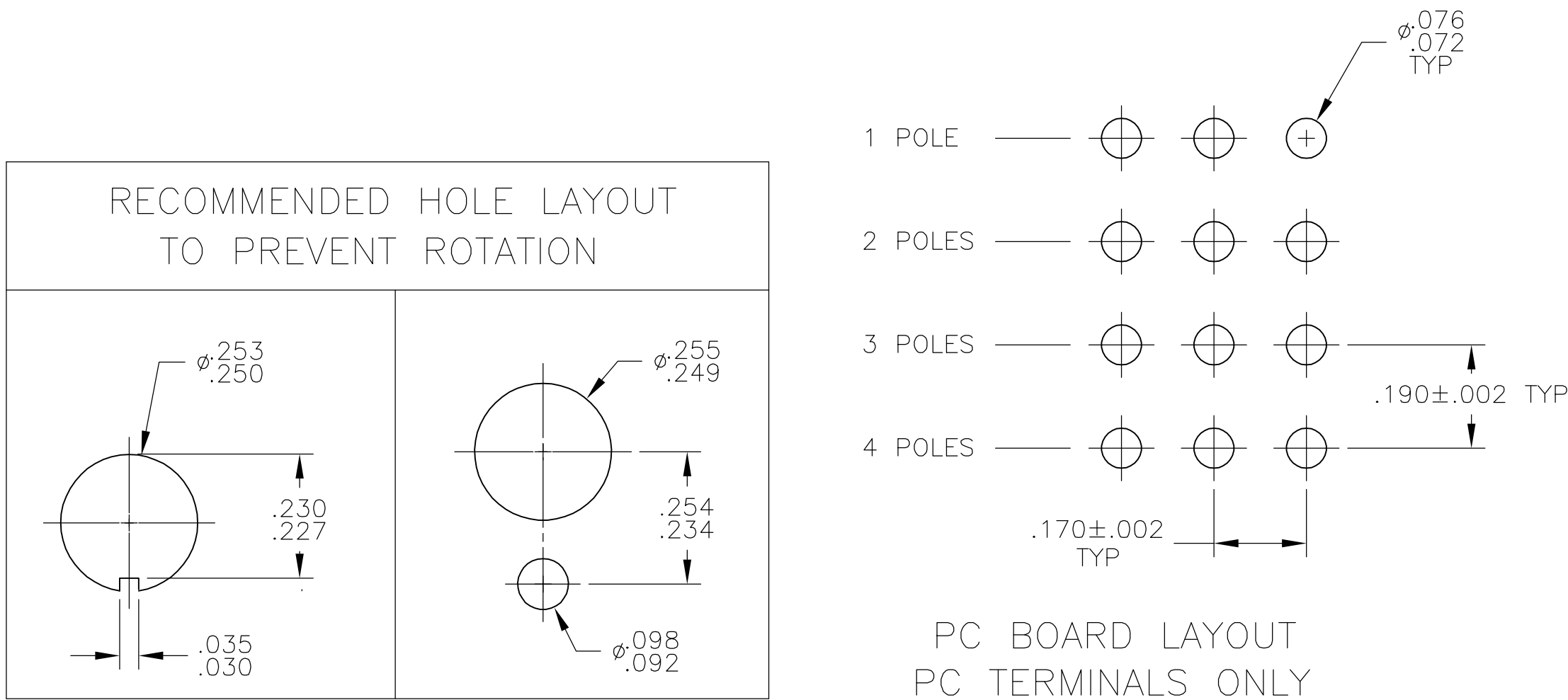


8		7		6		5		4	
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				Materials					
No	Component name	Base material				Plating			
1	Housing	Alkyd, green, UL94 V-0							
2	End terminal	silver clad copper alloy				5 microinches min gold			
3	Center terminal	copper alloy				5 microinches min gold			
4	Rocker contact	silver clad copper alloy				5 microinches min gold			
5	Actuator tip	Phenol resin, UL94 HB							
6	Actuator spring	music wire							
7	Actuator	Phenol resin, UL94 HB							
8	Actuator guide	polymer							
9	Frame	cold rolled steel				200 microinches min bright nickel, electrodeposited			
10	Retainer	brass				none			
11	Plunger spring	music wire							
12	Plunger pin								
13	Bushing	zinc				100 microinches min nickel electrodeposited over 200 microinches min copper			
14	Plunger	brass				200 microinches min bright nickel, electrodeposited			
15	Mounting nuts (2)	brass				200 microinches min bright nickel, electrodeposited			
16	Locating ring	cold rolled steel				200 microinches min bright nickel, electrodeposited			
17	Internal tooth lockwasher	steel				200 microinches min bright nickel, electrodeposited			

Specifications-see note 3			
Current rating UL & CSA	6A @ 125 VAC (resistive)		
	3A @ 250 VAC (resistive)		
	4A @ 28 VDC (resistive)		
Termination resistance	20 milliohms max @ 2–4 VDC, 1A		
Insulation resistance	1,000 megohms min.		
Withstanding voltage	1,000 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	epoxy		
Durability	Parameter	Push on/ Push off	Momentary
	250 VAC (3A resistive)	30,000	20,000
	125 VAC (6A resistive)	30,000	20,000
	28 VDC (4A resistive)	30,000	20,000

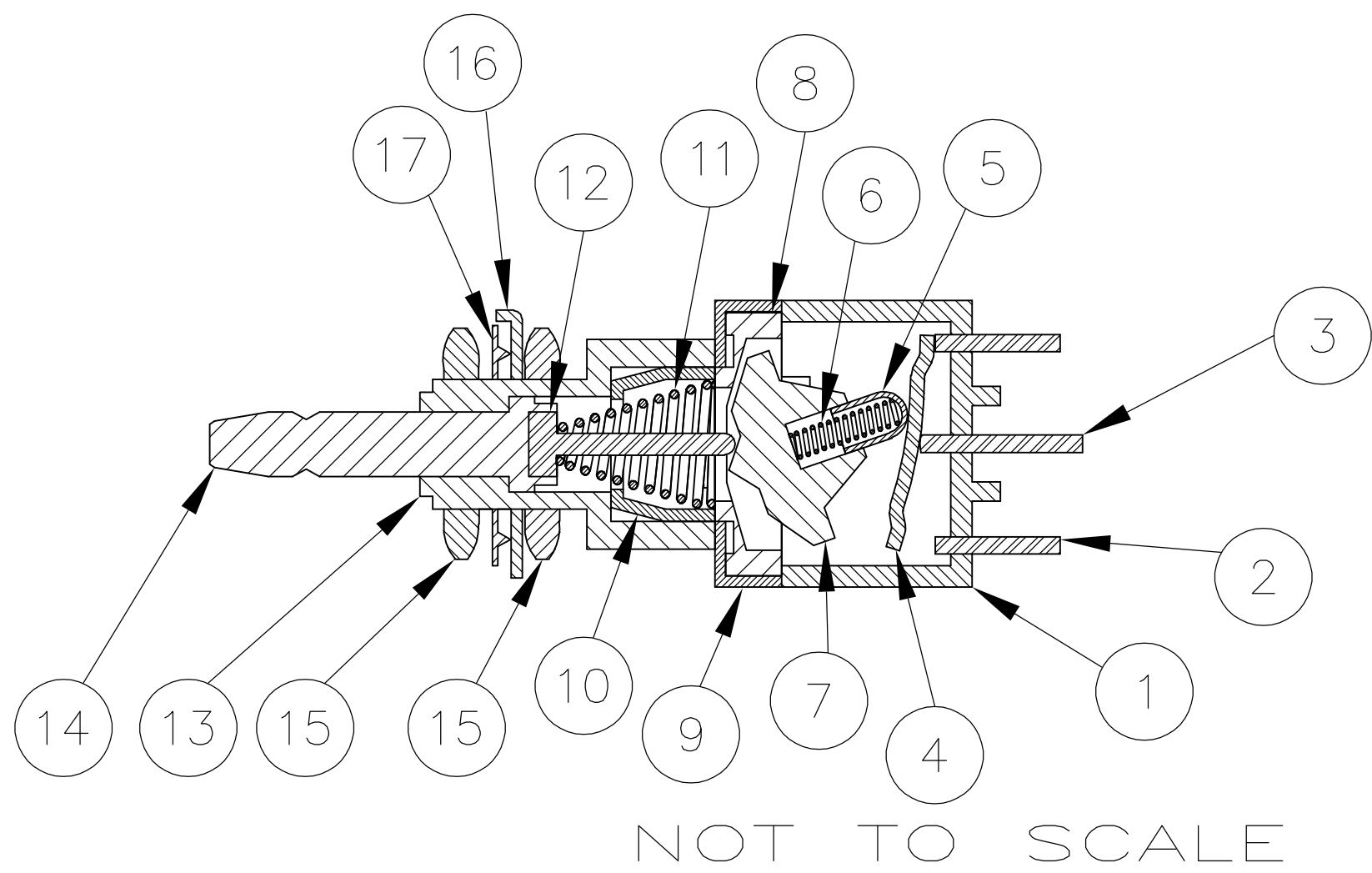


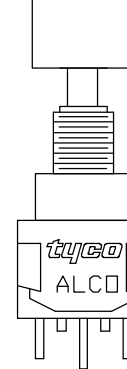
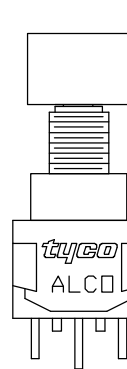
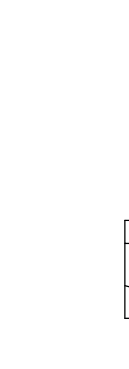
NOTES:

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
3. SWITCHES TESTED TO AND MEET THE REQUIREMENTS OF UL 61058-1A, SWITCHES FOR APPLIANCES SWITCHES WILL ALSO BE TESTED TO AND MEET THE REQUIREMENTS OF TYCO 102-2469, REV O, MINIATURE SWITCH QUALIFICATION REQUIREMENTS.
4. SWITCHES ARE PENDING UL RECOGNITION TO US AND CANADIAN STANDARDS.
5. WIRE LUG CONTACTS WILL ACCEPT 2 #20 AWG SOLID OR STRANDED WIRES.
6. SWITCHES ARE MARKED PER TYCO SPEC 202-37 WITH ALCO BENEATH TYCO AS SHOWN.
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.

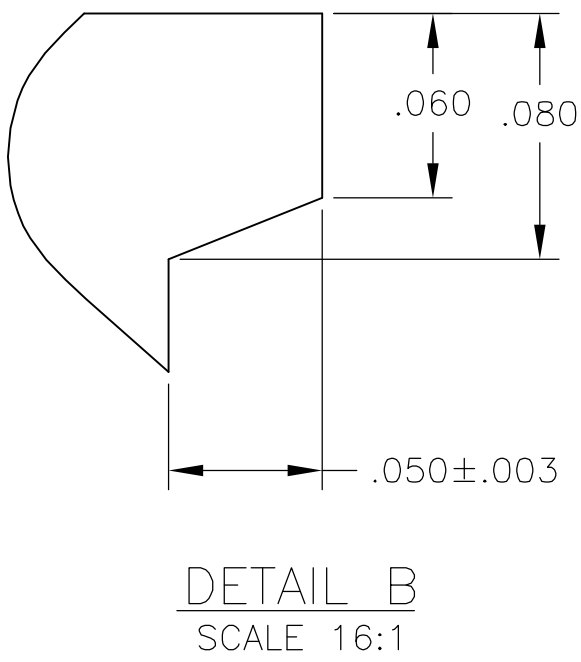
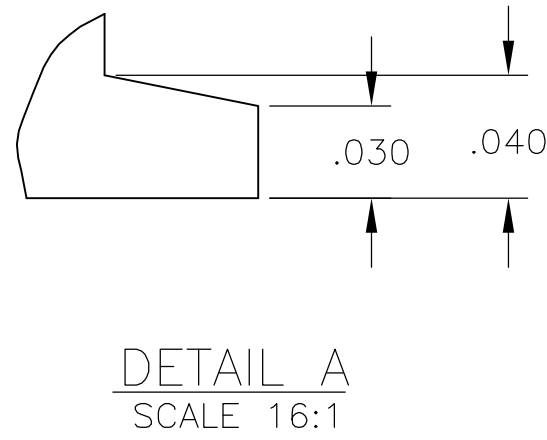
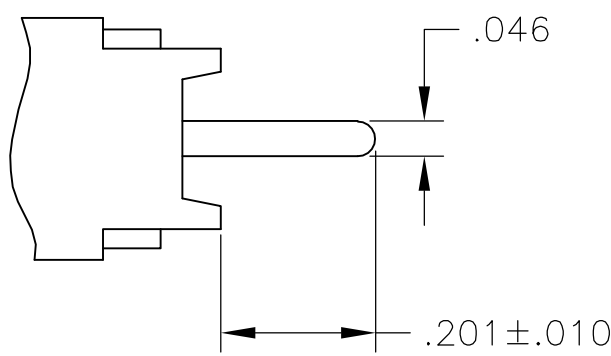
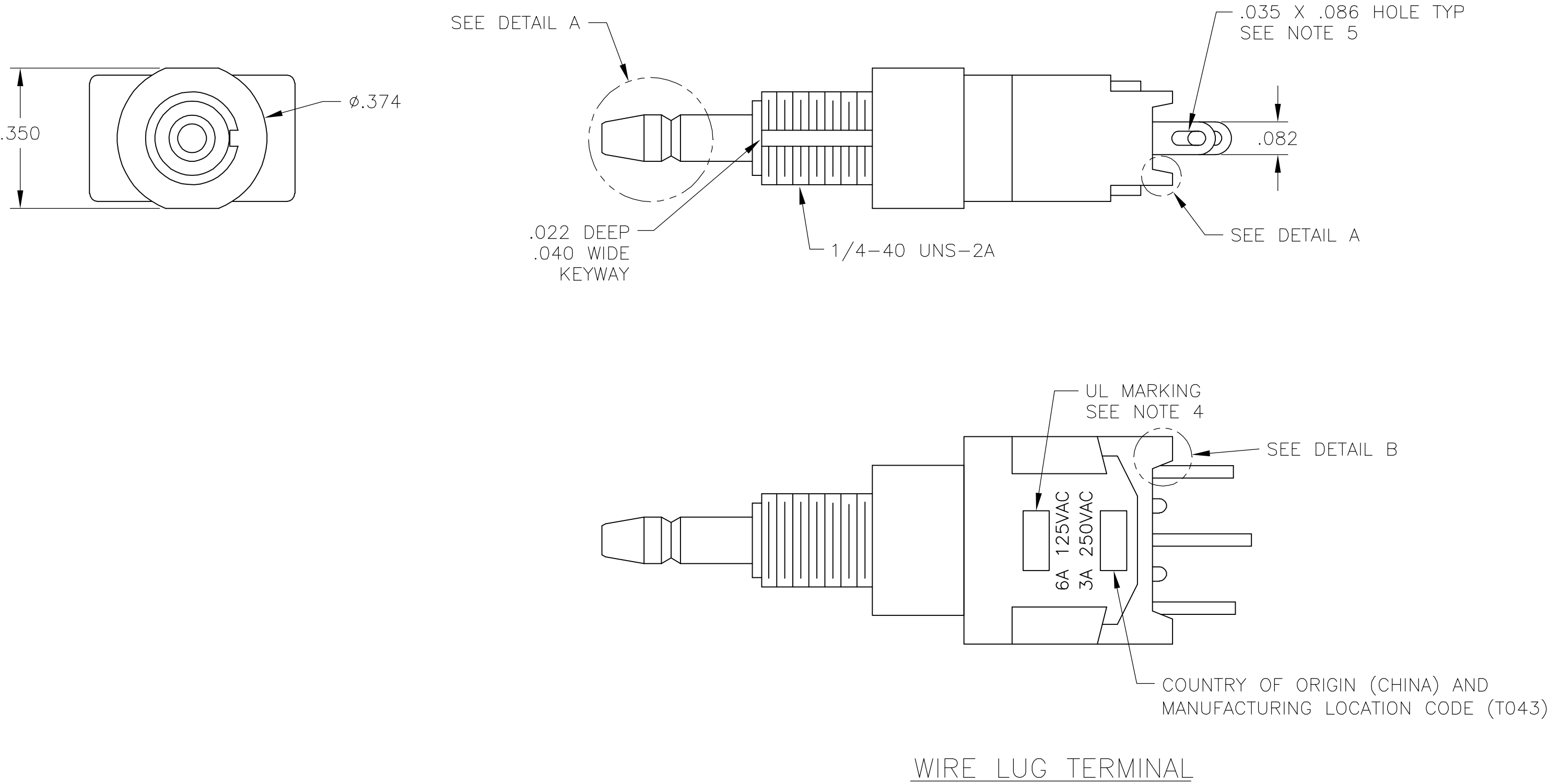
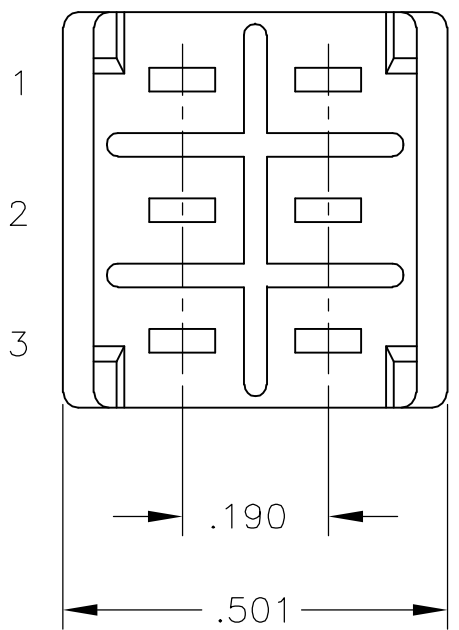
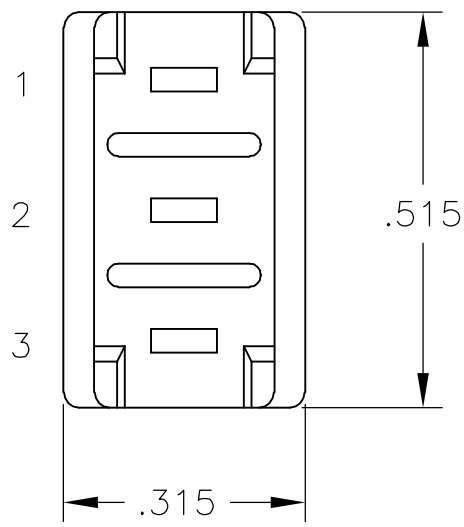
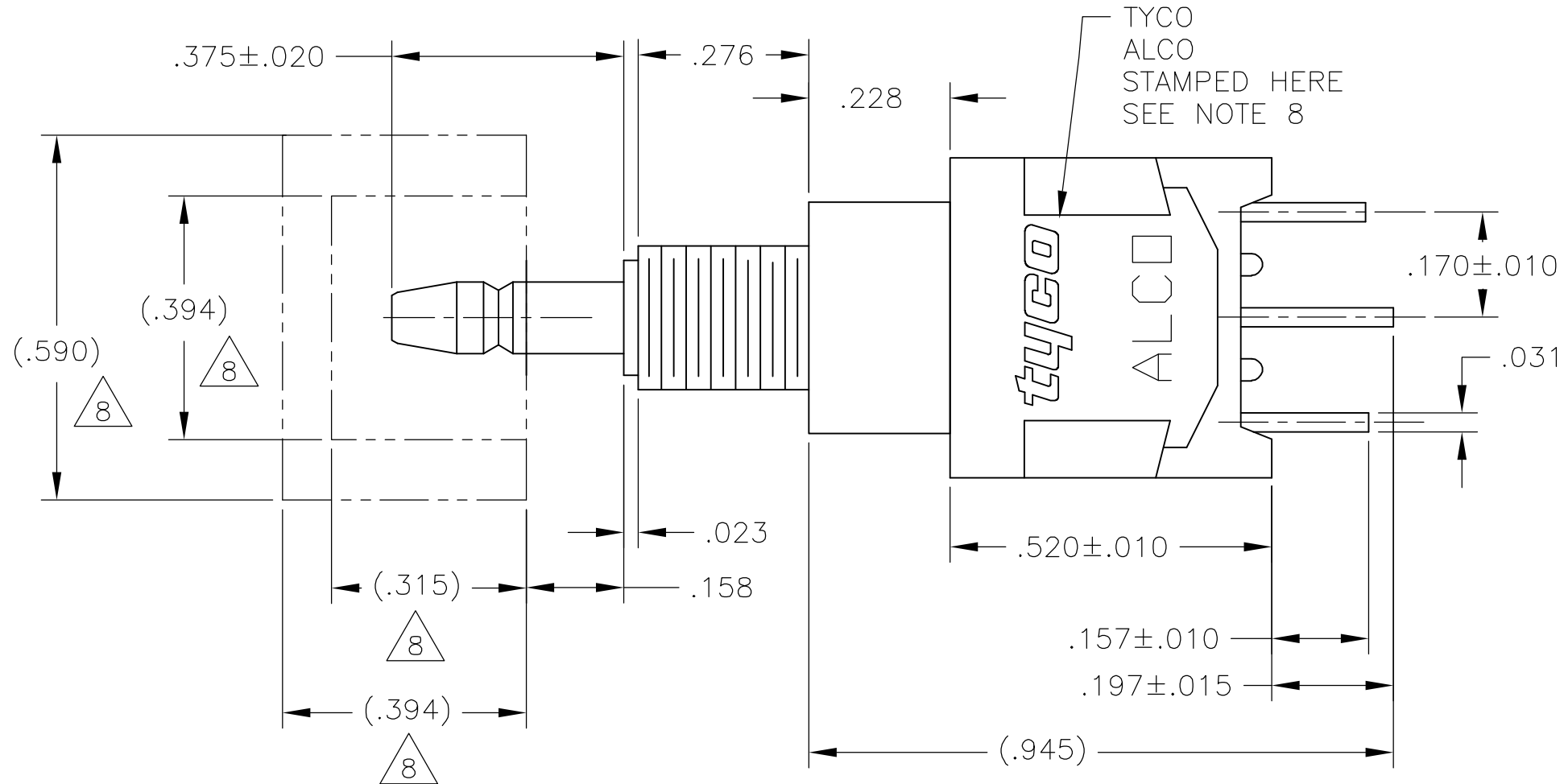
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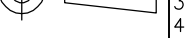


Tyco P/N	Alco P/N	Poles	Throws	Terminal	Function		Connected Terminals	
								
1-1825040-2	MPA406R04	4	2	Wire lug	ON	MOM	2-1, 5-4, 8-7, 11-10	2-3, 5-6, 8-9, 11-12
1-1825040-1	MPA406N04	4	2	Wire lug	ON	ON	2-1, 5-4, 8-7, 11-10	2-3, 5-6, 8-9, 11-12
1-1825040-0	MPA306F04	3	2	Wire lug	ON	MOM	2-1, 5-4, 8-7	2-3, 5-6, 8-9
1825040-9	MPA306D04	3	2	Wire lug	ON	ON	2-1, 5-4, 8-7	2-3, 5-6, 8-9
1825040-8	MPA206RPC04	2	2	PC	ON	MOM	2-1, 5-4	2-3, 5-6
1825040-7	MPA206R04	2	2	Wire lug	ON	MOM	2-1, 5-4	2-3, 5-6
1825040-6	MPA206NPC04	2	2	PC	ON	ON	2-1, 5-4	2-3, 5-6
1825040-5	MPA206N04	2	2	Wire lug	ON	ON	2-1, 5-4	2-3, 5-6
1825040-4	MPA106FPC04	1	2	PC	ON	MOM	2-1	2-3
1825040-3	MPA106DPC04	1	2	PC	ON	ON	2-1	2-3
1825040-2	MPA106F04	1	2	Wire lug	ON	MOM	2-1	2-3
1825040-1	MPA106D04	1	2	Wire lug	ON	ON	2-1	2-3

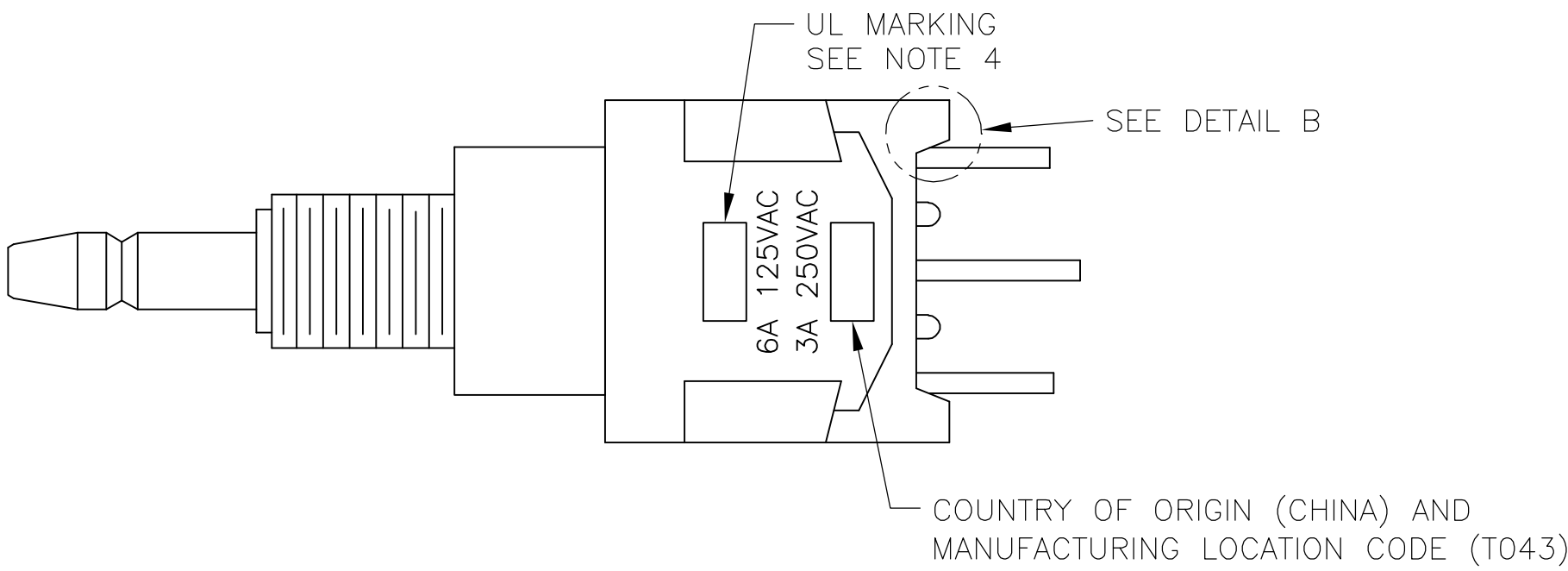
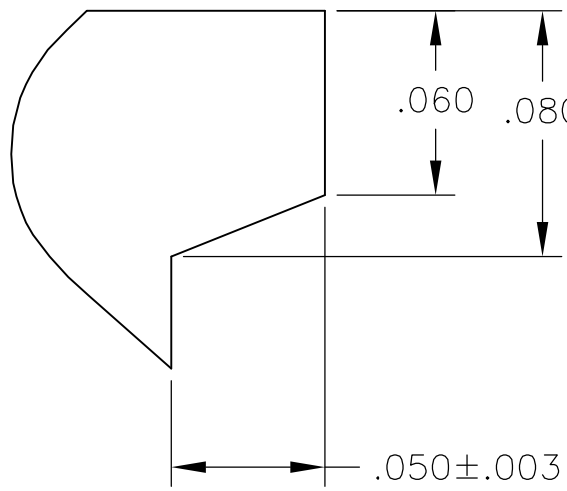
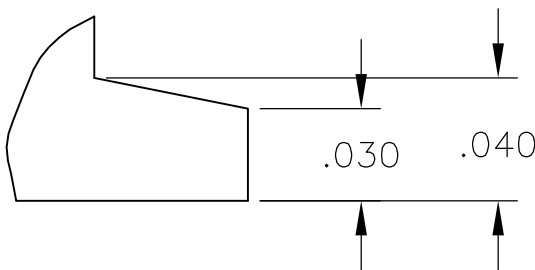
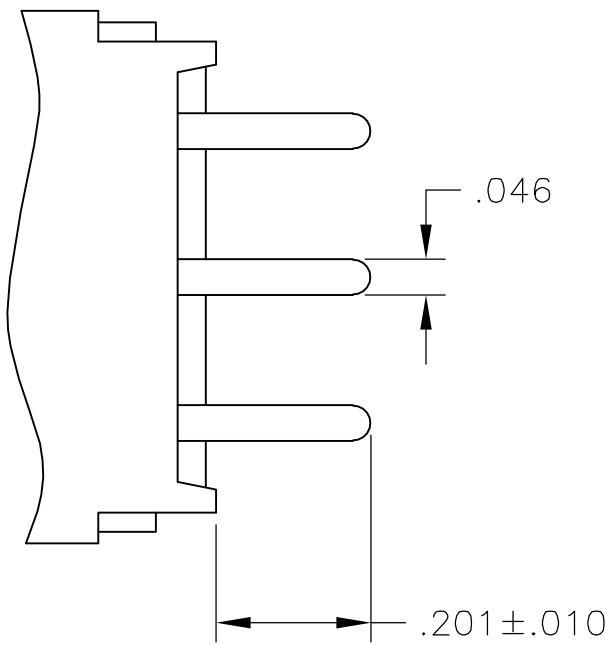
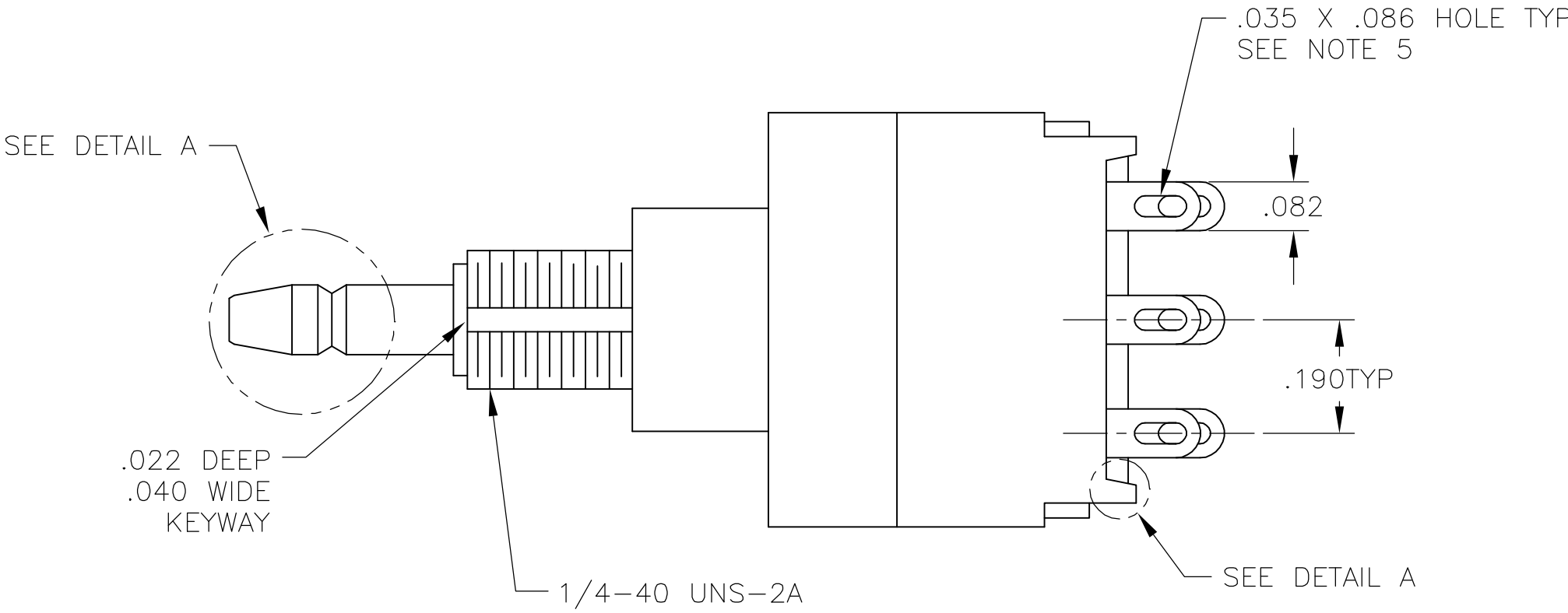
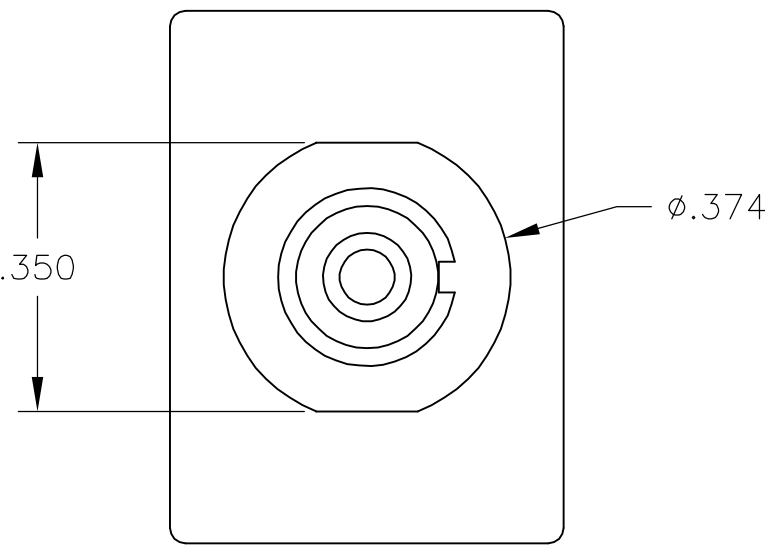
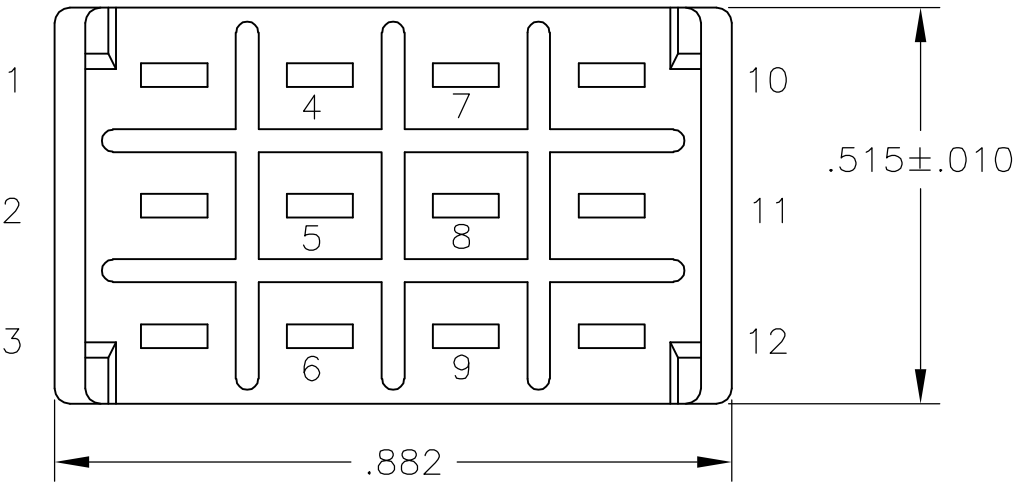
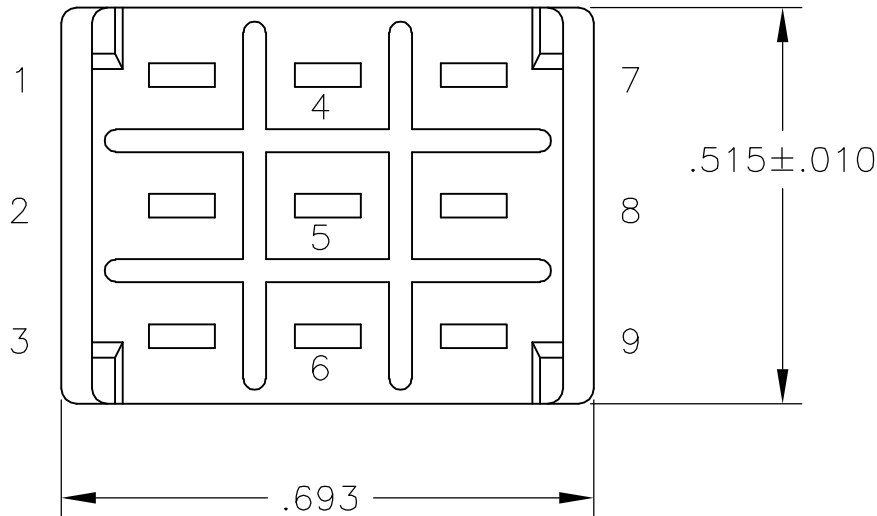
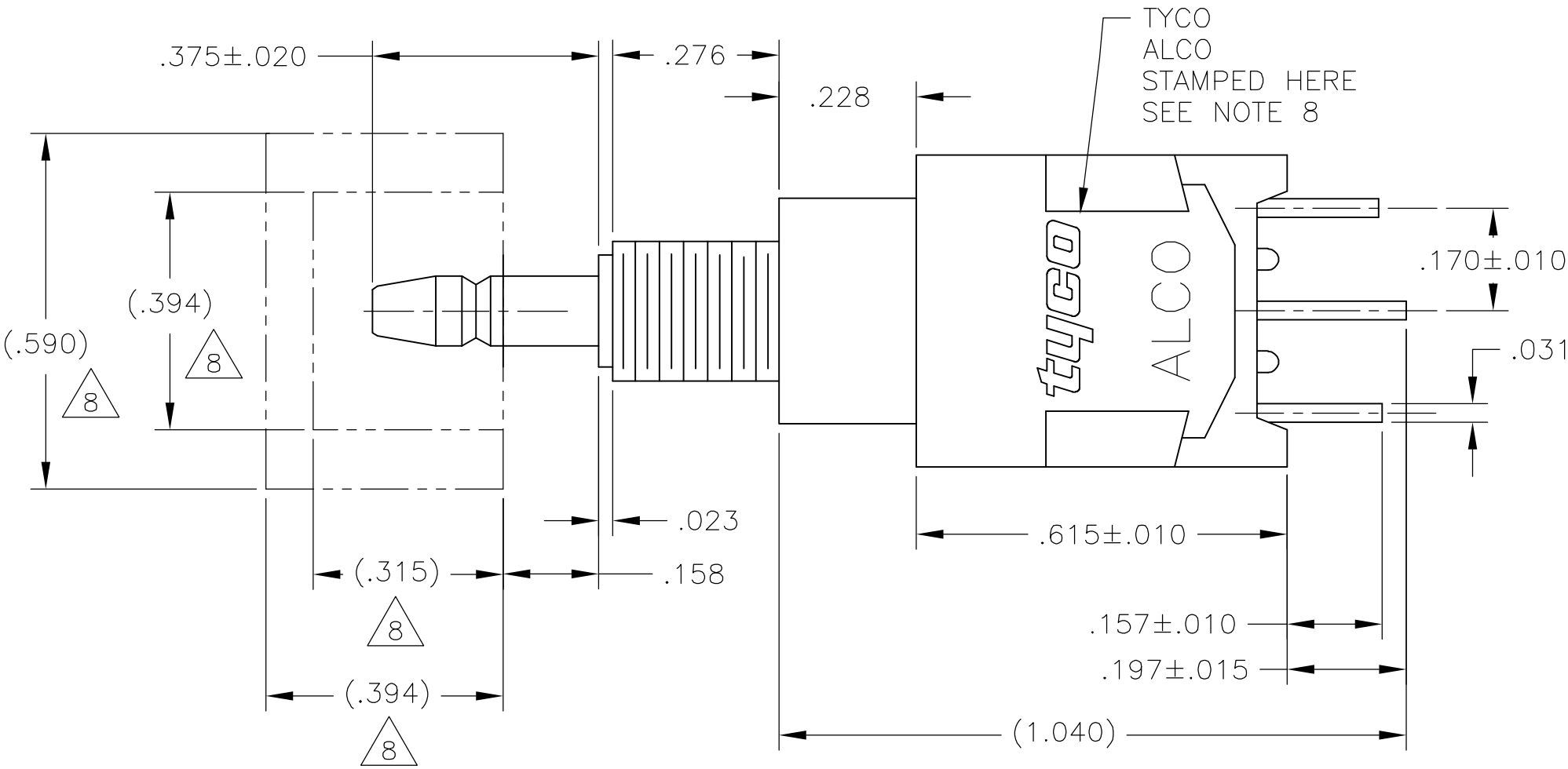
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		CHK.	15N0V04		Harrisburg, PA				
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INCHES	TOLERANCES, UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC							
	0 P.L.C.	±	—				APPLICATION SPEC		
	1 P.L.C.	±	—						
	2 P.L.C.	±	—						
	3 P.L.C.	±	.005						
ANGLES	±	—	—	SIZE	CAGE CODE	DRAWING NO.	RESTRICTED TO		
MATERIAL	FINISH	WEIGHT		A1	00779	C1825040	—		
CUSTOMER DRAWING									
				SCALE	4:1	SHEET	1 of 3	REV	A

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
AD	00	—	—	SEE SHEET 1	—	—



THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN: M. BINNER 15NOV04	tyco <i>Electronics</i>		Tyco Electronics Corporation Harriburg, PA						
DIMENSIONS: INCHES			CHK: M. ZITTO 15NOV04									
	0. PLC	± .	RPV: M. ZITTO 15NOV04	NAME ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH, MPA SERIES								
	1. PLC	± .	PRODUCT SPEC									
	2. PLC	± .	APPLICATION SPEC									
	3. PLC	± .005	—									
	4. PLC	± .	—	SIZE	CAGE CODE				DRAWING NO	RESTRICTED TO		
	ANGLES	± .	—	A1	00779				C=1825040			
MATERIAL: —	FINISH: —	—	WEIGHT: —	CUSTOMER DRAWING					SCALE: 4:1	SHEET: 2 OF 3	REV: A	

LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			—	SEE SHEET 1	—	—	—



WIRE LUG TERMINAL

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		CHK M. ZITTO	15NOV04			
		APVD M. ZITTO	15NOV04		NAME ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH, MPA SERIES	
		PRODUCT SPEC —				
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC		
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	3. PLC	±	.005	WEIGHT		
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ANGLES		±	—	SCALE 4:1		
FINISH		—		SHEET 3 OF 3		
MATERIAL		—		REV A		