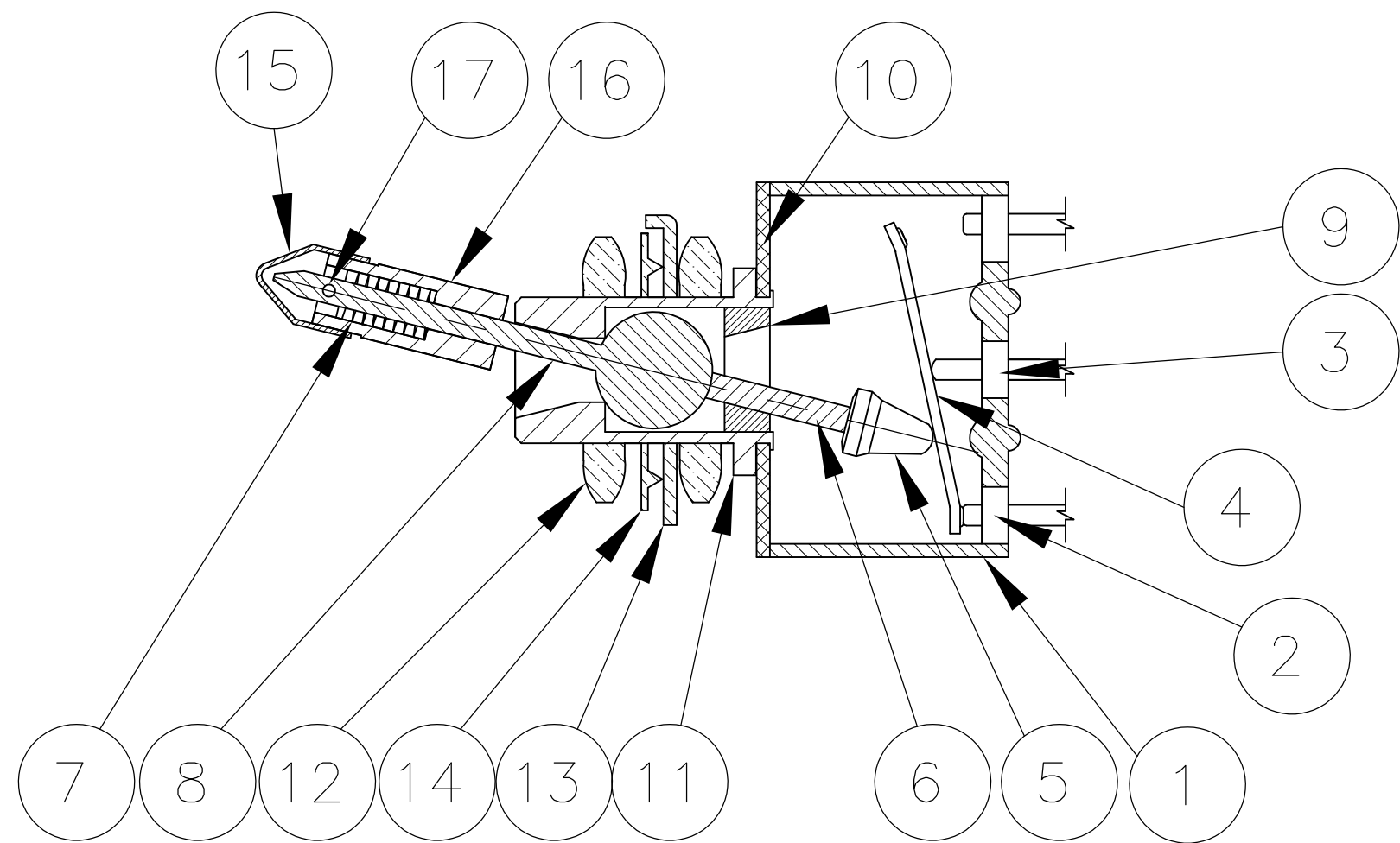


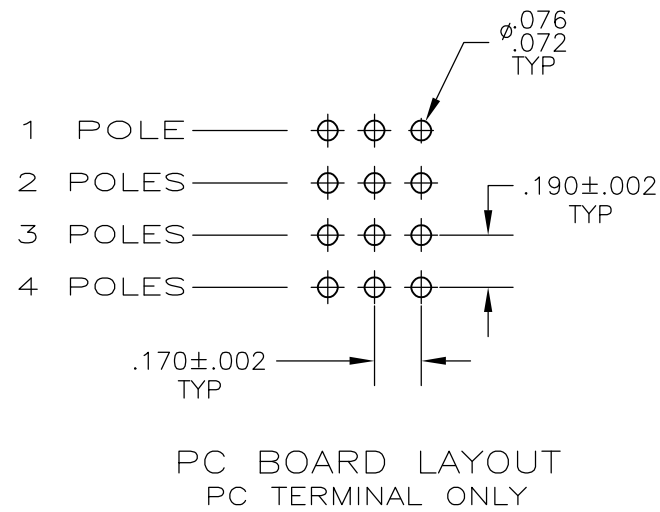
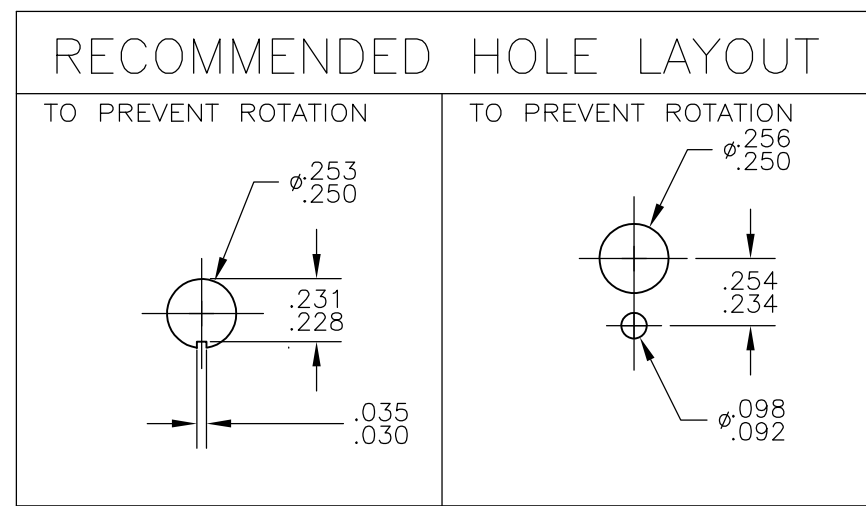
LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			D3	REVISED PER ECO-11-005556	07MAR11	PSK	MW

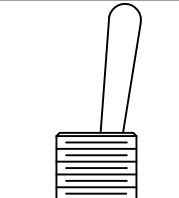
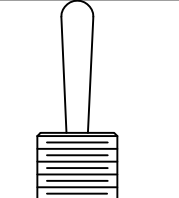
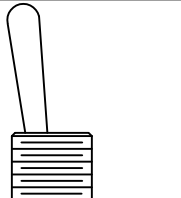
Materials			
No.	Component name	Base material	Finish
1	Housing	High Temp., UL 94V-0, green	
2	End terminal	silver clad copper alloy	5 microinches min. gold
3	Center terminal	copper alloy	5 microinches min. gold
4	Rocker contact	silver clad copper alloy	5 microinches min. gold
5	Actuator	Phenol resin, UL94 HB, black	
6	Plunger	stainless steel	
7	Spring	music wire	
8	Lever	brass	chrome or nickel
9	Retainer	Polyamide, UL94 HB, black	
10	Frame	cold rolled steel	zinc or nickel
11	Bushing	brass	100 microinches min. nickel over 10 microinches min. copper
12	Mounting nuts (2)	brass	200 microinches min. bright nickel
13	Locating ring	cold rolled steel	zinc or nickel
14	Internal tooth lockwasher	steel	zinc or nickel
15	Upper toggle cap	Aluminum	matte
16	Lower toggle cap	Aluminum	matte
17	Retaining pin	steel	



NOT TO SCALE

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	24 +/-6 degrees			
Actuation force	.05 to 1.5 kgf			
Operating temperature	-20C to +85C			
Storage temperature	-40C to +85C			
Contact timing	break before make			
Terminal seal	epoxy or insert molded			
Durability	Parameter	2 Position	3 Position	Momentary
	mechanical (no load)	150,000	100,000	80,000
	250 VAC (3A resistive)	80,000	60,000	60,000
	125 VAC (6A resistive)	80,000	60,000	60,000
	28 VDC (4A resistive)	60,000	50,000	40,000



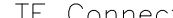
Part Number	Alco Model	Poles	Throws	Function	Terminal				Comments
4-1437559-5	MTL406PA	2	3	ON ON ON	Wire lug	5-6, 11-12	5-3, 11-9	5-1, 11-7	note 7
4-1437559-4		4	2	ON ON	Wire lug	2-3, 5-6, 8-9, 11-12	---	2-1, 5-4, 8-7, 11-10	
4-1437559-3		3	2	ON OFF ON	Wire lug	2-3, 5-6, 8-9	Off	2-1, 5-4, 8-7	
4-1437559-2		3	2	ON ON	Wire lug	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
4-1437559-1		2	2	(ON) OFF (ON)	Wire lug	2-3, 5-6	Off	2-1, 5-4	
4-1437559-0	MTL206PA	1	3	ON ON ON	Wire lug	5-6	5-3	5-1	note 6
3-1437559-9		2	2	ON OFF ON	Wire lug	2-3, 5-6	Off	2-1, 5-4	
3-1437559-8	MTL206NPC	2	2	ON ON	PC	2-3, 5-6	---	2-1, 5-4	
3-1437559-7		2	2	ON ON	Wire lug	2-3, 5-6	---	2-1, 5-4	
3-1437559-6	MTL106EUL	1	2	ON OFF ON	Wire lug	2-3	Off	2-1	
3-1437559-5		1	2	ON OFF ON	Wire lug	2-3	Off	2-1	
3-1437559-4		1	2	ON ON	Wire lug	2-3	---	2-1	

NOTES:

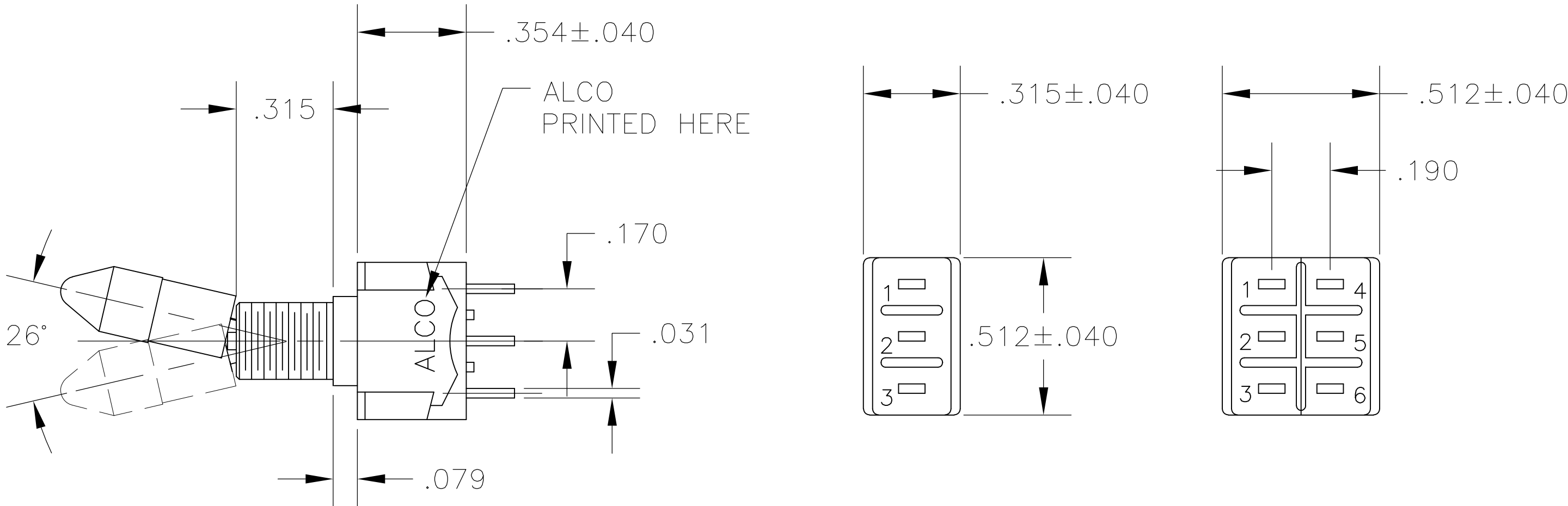
1. TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.
2. EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
 - (2) 1/4-40 UNS-2B HEX NUTS
 - (1) INTERNAL TOOTH LOCKWASHER
 - (1) LOCATING RING

5. WIRE LUG CONTACTS WILL ACCEPT 2 #20 AWG SOLID OR STRANDED WIRES.
6. CUSTOMER INSTALLED EXTERNAL JUMPER BETWEEN TERMINALS 2 AND 4 REQUIRED FOR 1 POLE 3 THROW FUNCTION.
7. CUSTOMER INSTALLED EXTERNAL JUMPERS BETWEEN TERMINALS 2 AND 4 AS WELL AS 8 AND 10 REQUIRED FOR 2 POLE 3 THROW FUNCTION.

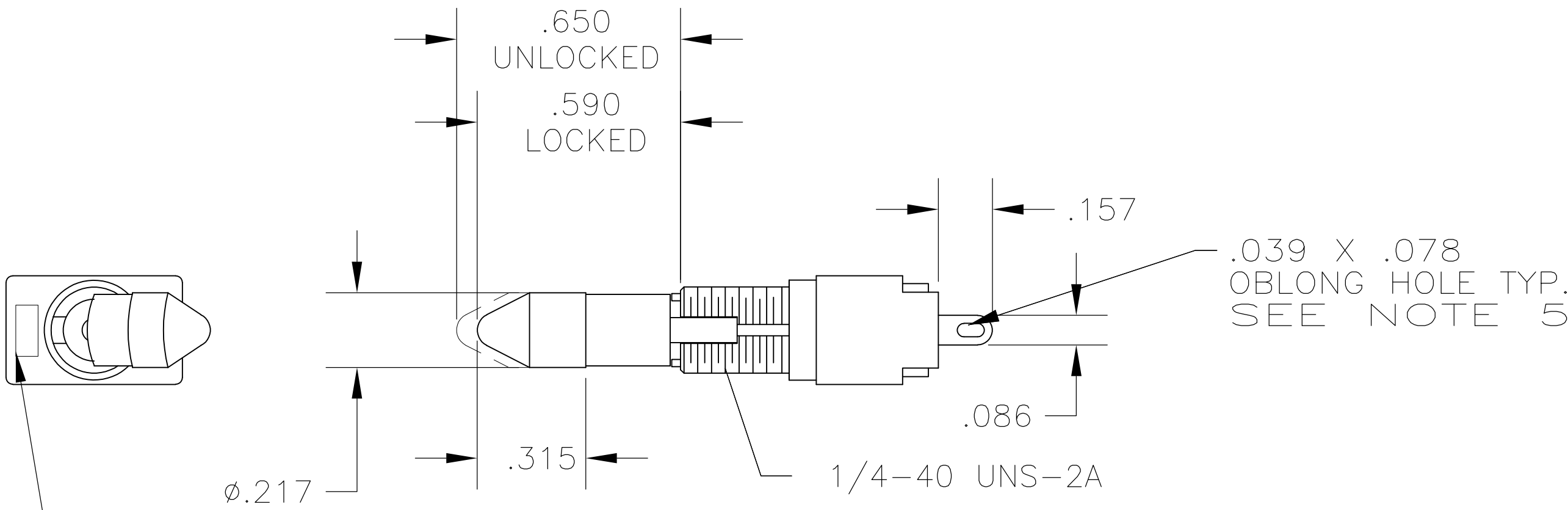
8 OBSOLETE

THIS DRAWING IS A CONTROLLED DOCUMENT.						DWG. M.BINNER 29DEC03		 TE Connectivity		
						CHKD. M.ZITTO 29DEC03				
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:				APPROV. M.ZITTO 29DEC03		NAME		
INCHES						PRODUCT SPEC		TOGGLE SWITCH,MTL SERIES VERTICAL MOUNT		
		0 PLC ± -				APPLICATION SPEC		SIZE CAGE CODE DRAWING NO		
		.005 PLC ± -								
		.005 PLC ± -								
		ANGLES ± -								
MATERIAL	-	FINISH				WEIGHT	-	A1 00779 C-3-1437559-7	RESTRICTED TO	
CUSTOMER DRAWING						SCALE		1:1	SHEET 1 OF 3	REV D.3

LOC	DIST	REVISIONS				
		REV	DATE	BY	CHKD	APPD
AD	00	—	—	—	—	—
		—	SEE SHEET 1	—	—	—

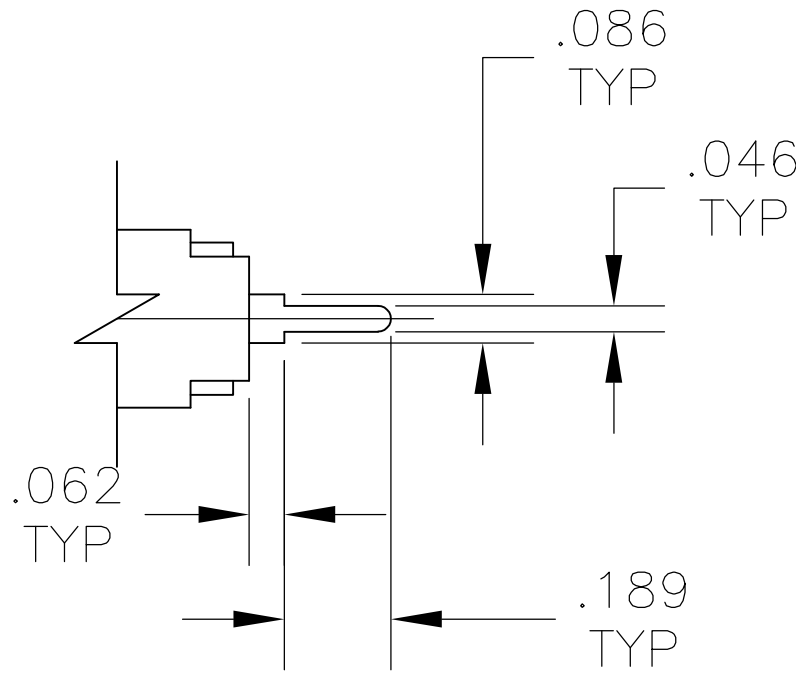
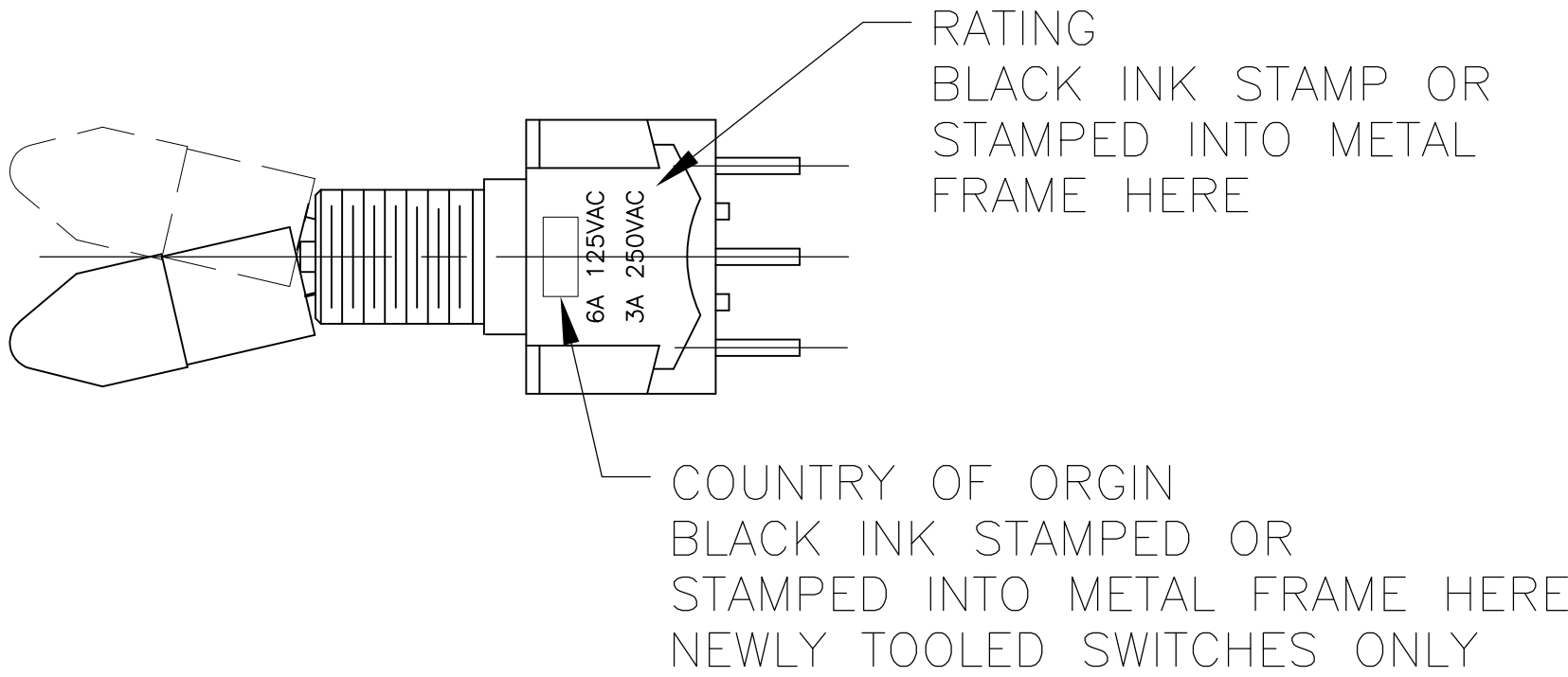


MTL-106 MTL-206



COUNTRY OF ORIGIN
STAMPED HERE
EXISTING
SWITCHES ONLY

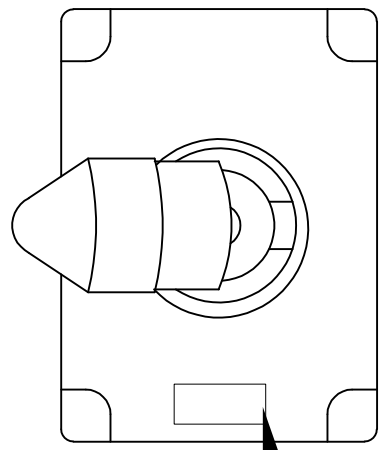
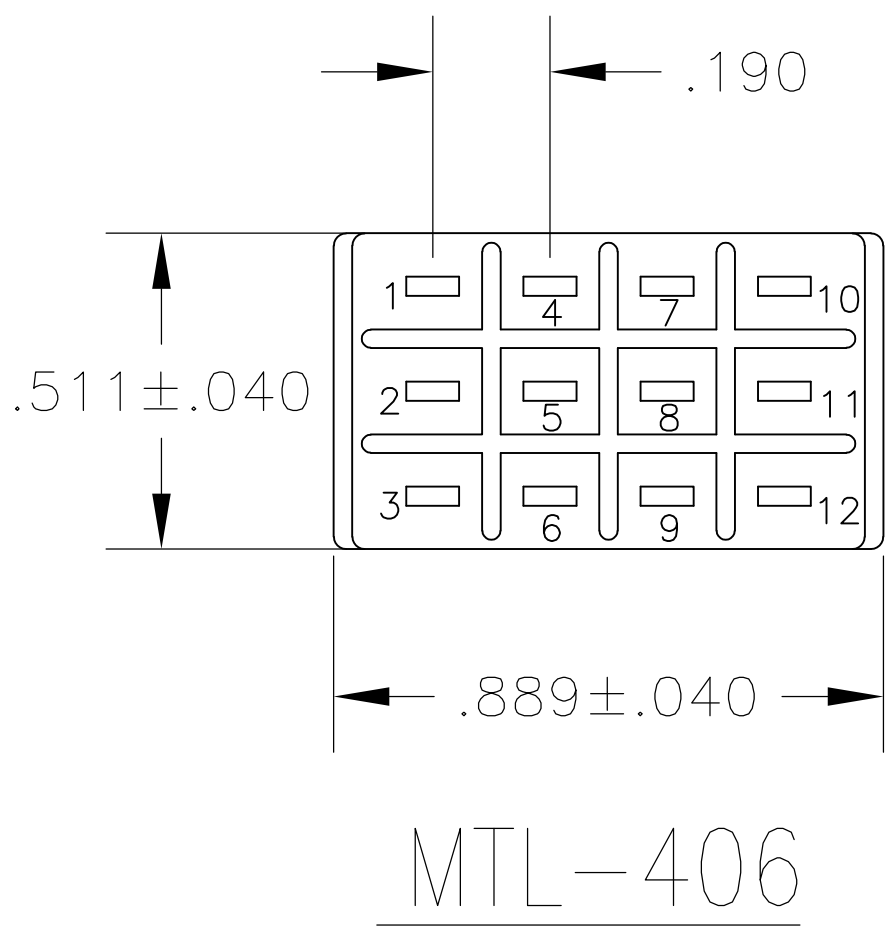
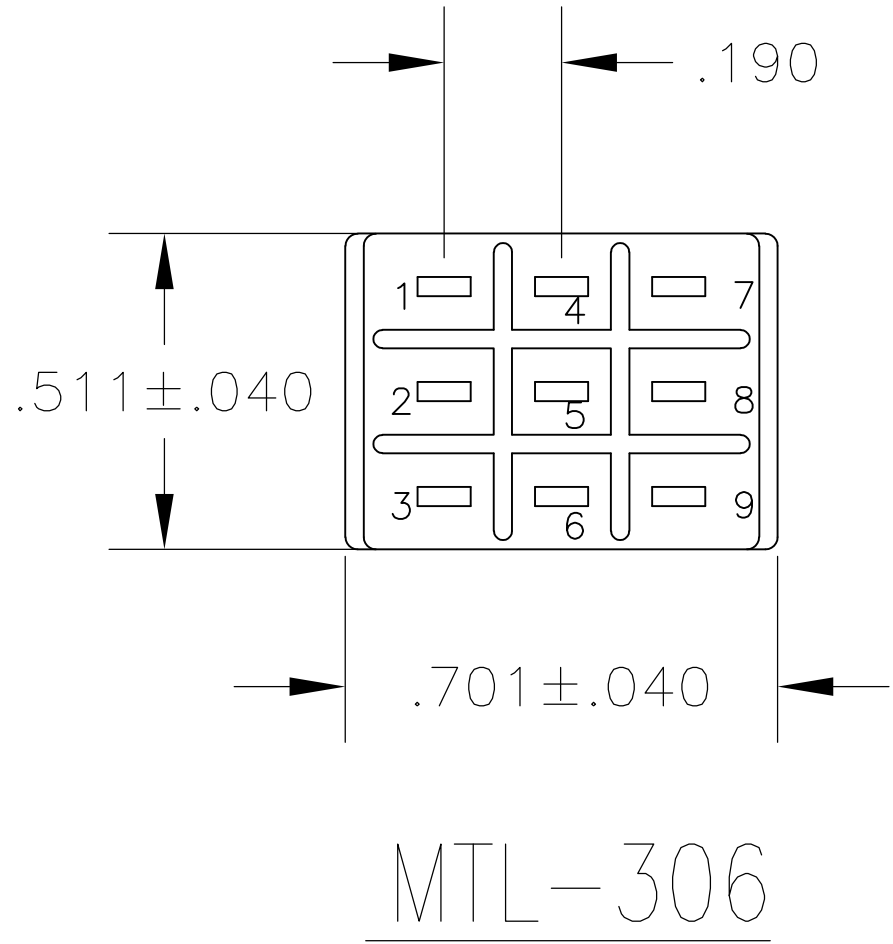
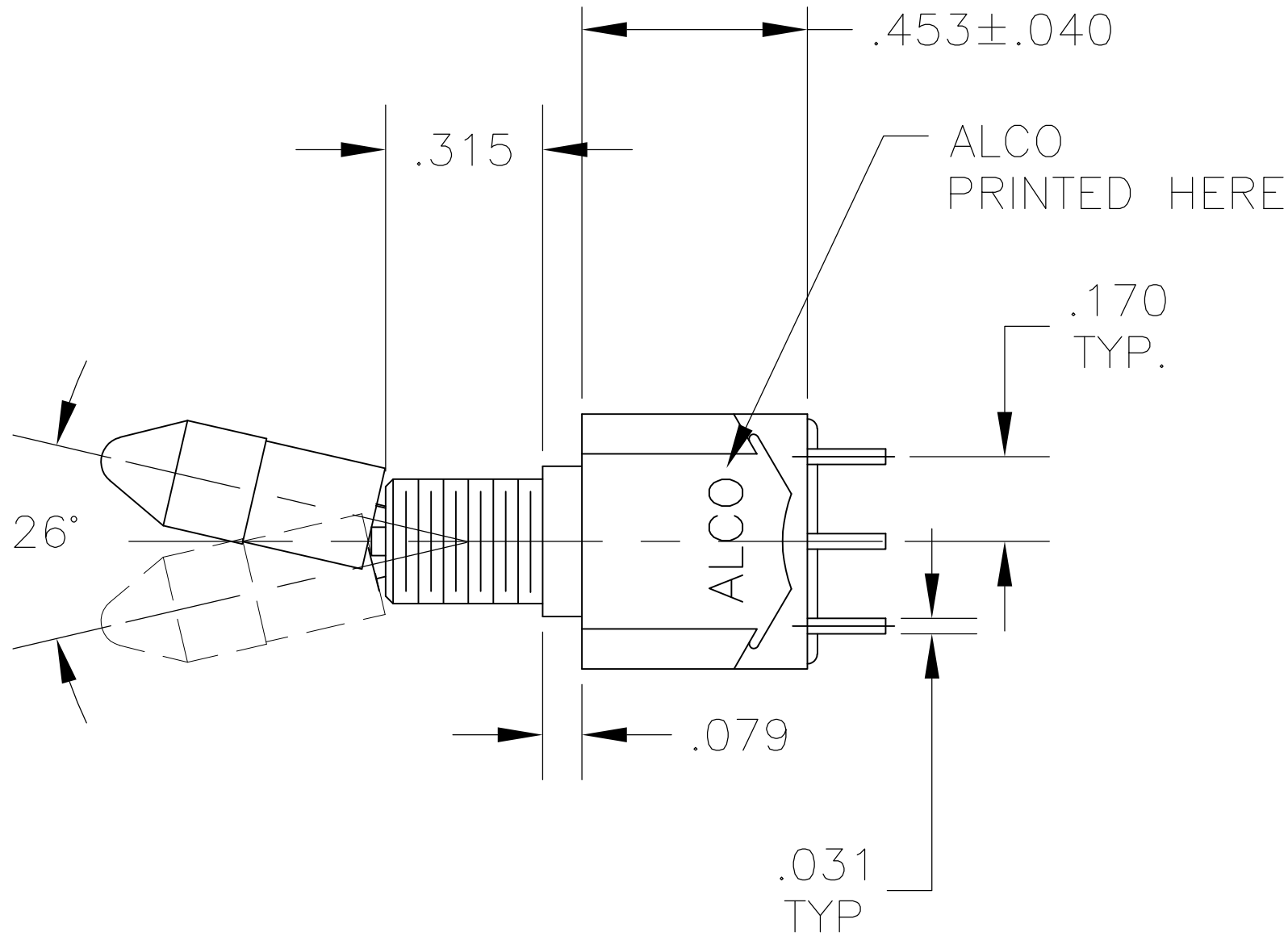
WIRE LUG TERMINAL



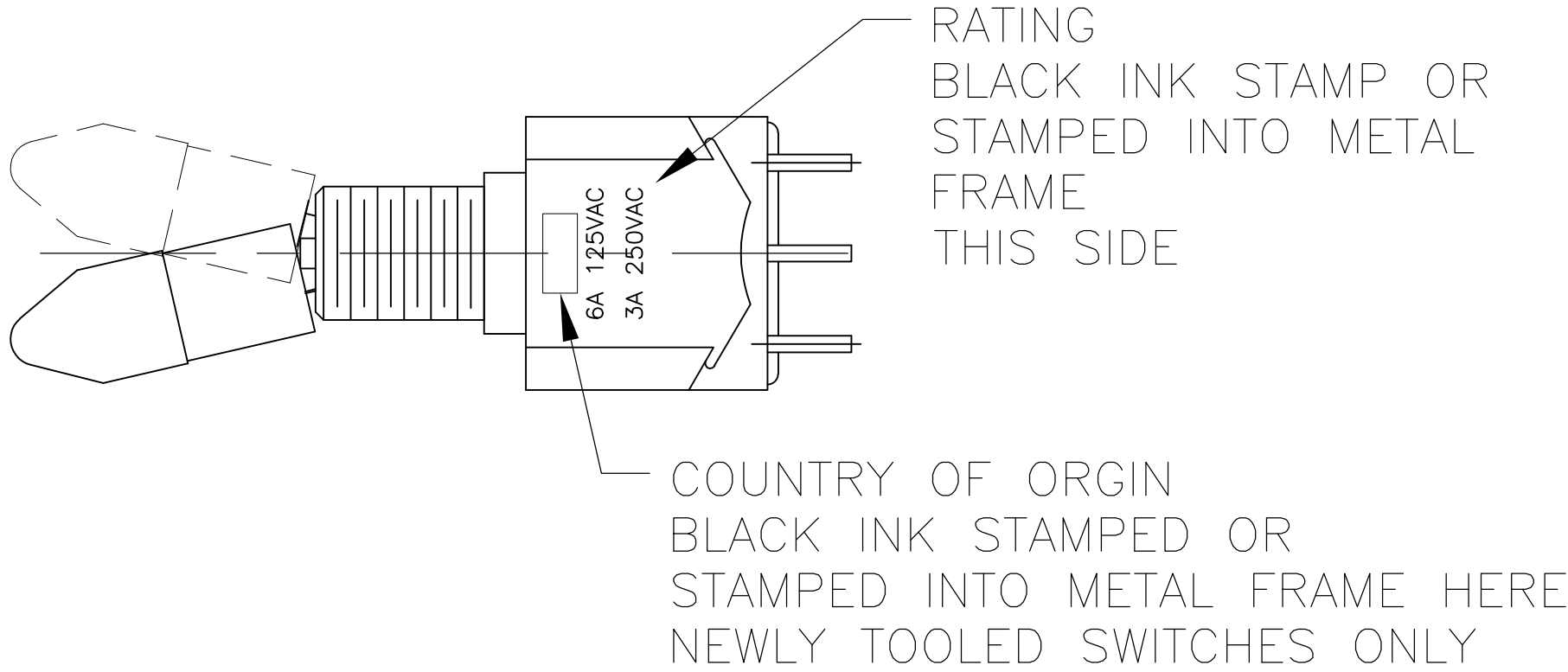
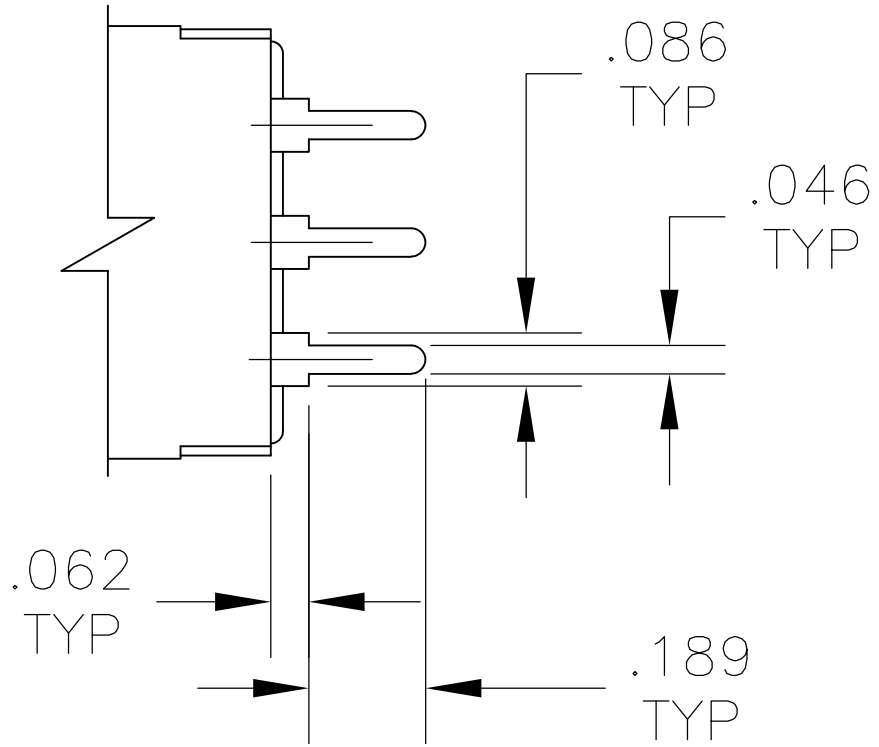
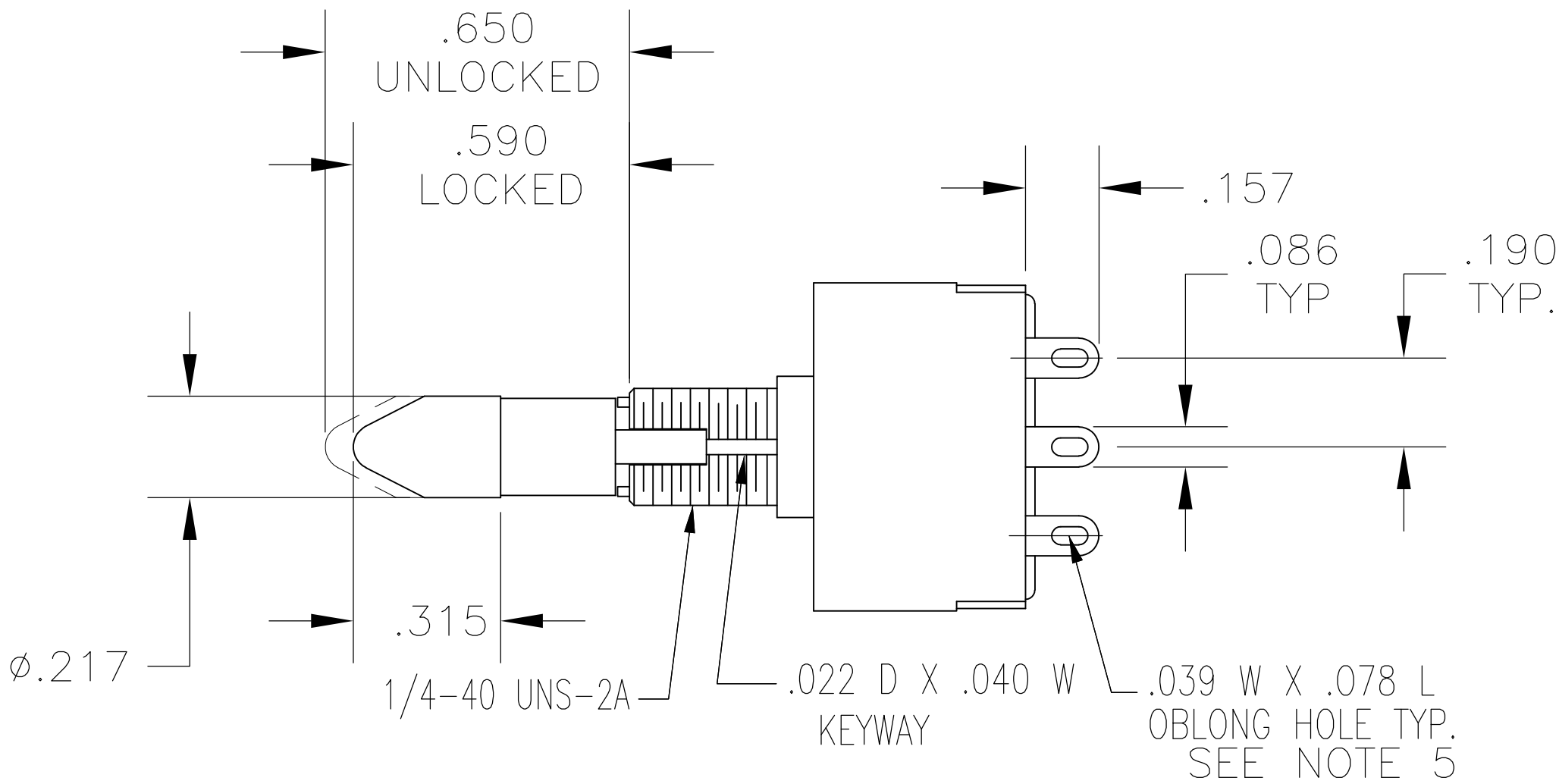
PC TERMINAL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER 29DEC03	TE Connectivity	
		CHK M. ZITTO 29DEC03		
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APPROD M. ZITTO 29DEC03	NAME TOGGLE SWITCH, MTL SERIES VERTICAL MOUNT	
		PRODUCT SPEC	—	
	0. PLC ± .005 1. PLC ± .005 2. PLC ± .005 3. PLC ± .005 4. PLC ± .005 ANGLES ± .005	APPLICATION SPEC	—	
		—	—	
MATERIAL	FINISH	WEIGHT	A1 00779 3-1437559-7	
—	—	—	—	
CUSTOMER DRAWING		SCALE 1:1	SHEET 2 OF 3	REV D3

LOC		DIST		REVISIONS			
AD	00	DATE	BY	DESCRIPTION	DATE	BY	APPROV
		—	—	SEE SHEET 1	—	—	—



COUNTRY OF ORGIN
STAMPED HERE
EXISTING
SWITCHES ONLY



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER	29DEC03	TE Connectivity	
		CHK M. ZITTO	29DEC03		
DIMENSIONS: INCHES		APPROD M. ZITTO	29DEC03	NAME TOGGLE SWITCH, MTL SERIES VERTICAL MOUNT	
		PRODUCT SPEC			
		APPLICATION SPEC			
MATERIAL —		WEIGHT —		SIZE A1	
				CAGE CODE 3-1437559-7	
				DRAWING NO 3-1437559-7	
				RESTRICTED TO —	
				SCALE 1:1	
				SHEET 3 OF 3	
				REV D3	