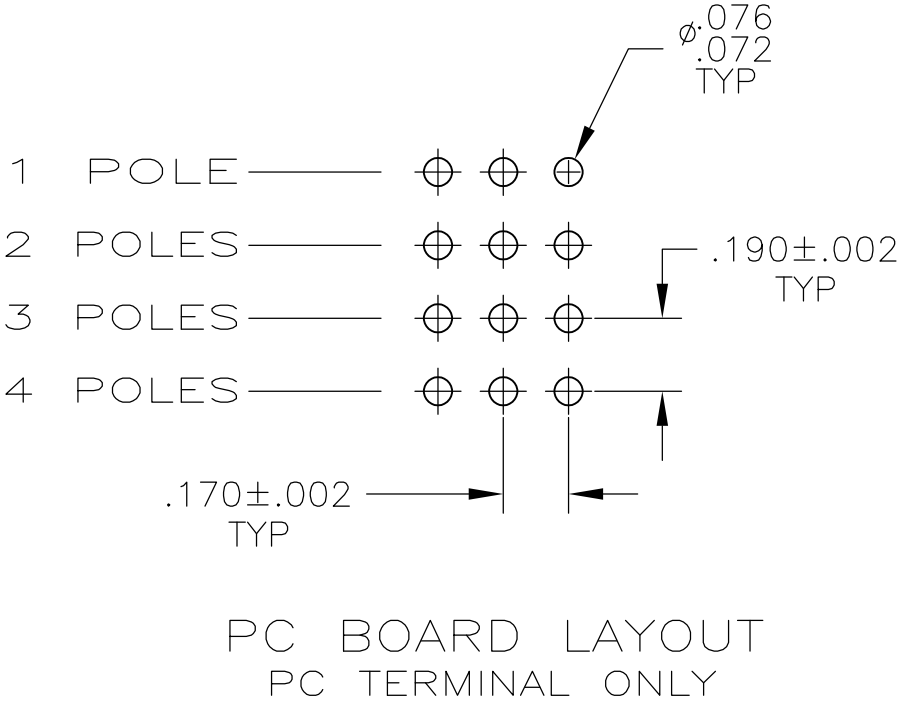
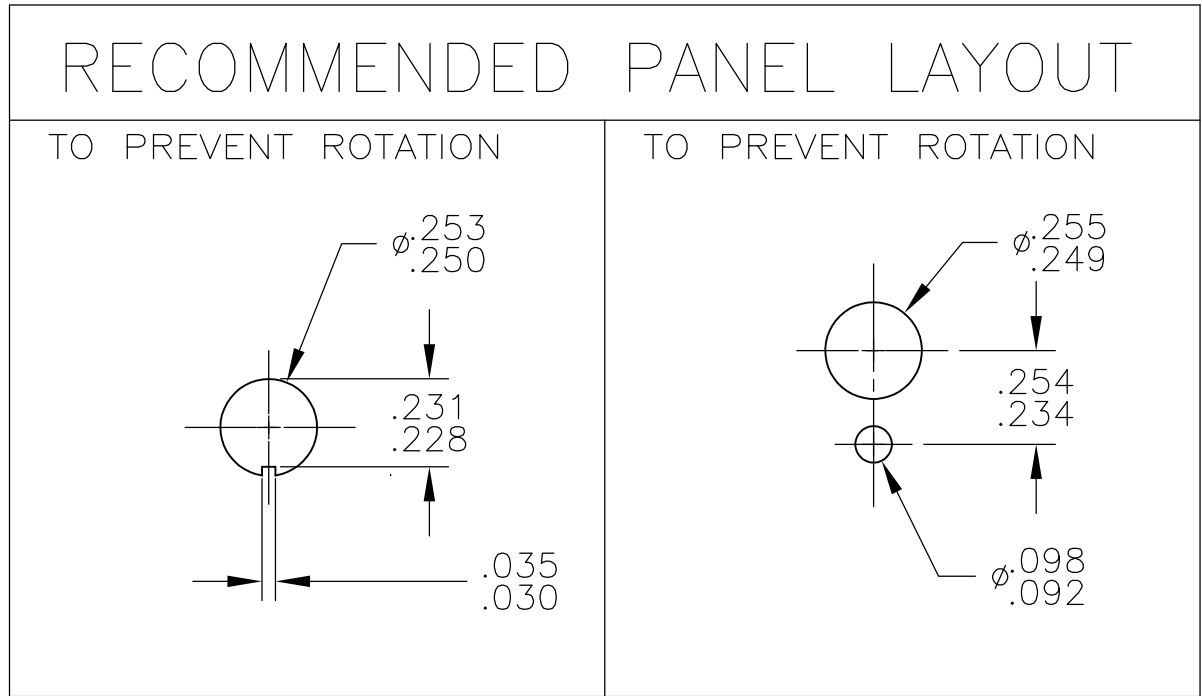
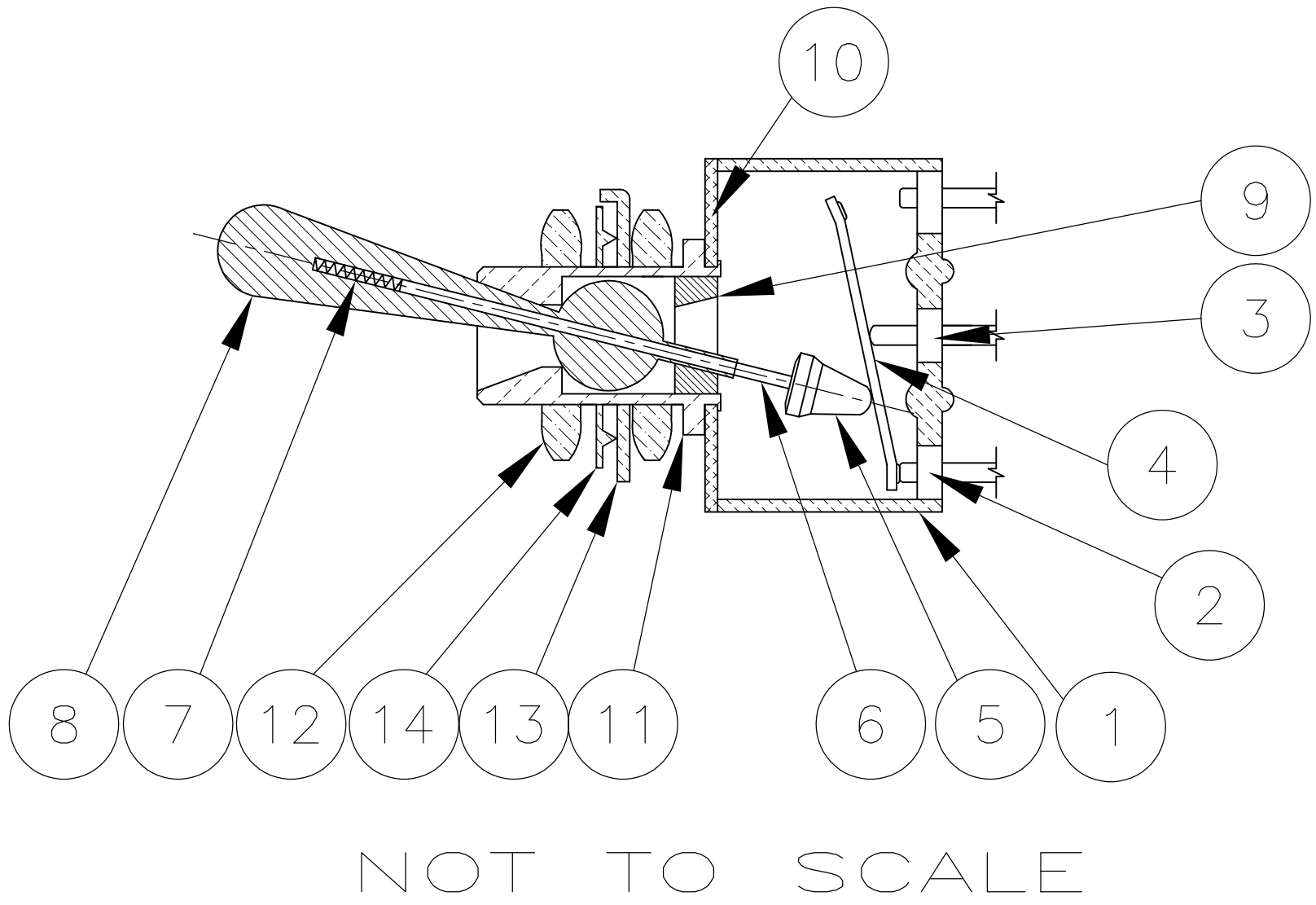


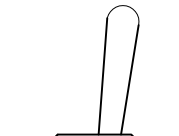
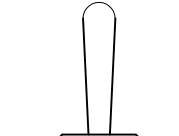
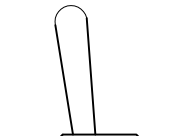
MATERIALS			
NO.	COMPONENT NAME	BASE MATERIAL	FINISH
1	Housing	Epoxy Resin, UL94 V-0, Green or Blue	
2	End terminal	silver clad copper alloy	5 microinches min. gold
3	Center terminal	copper alloy	5 microinches min. gold
4	Rocker contact	silver clad copper alloy	5 microinches min. gold
5	Actuator	Phenol resin, UL94 HB, black	
6	Plunger	stainless steel	
7	Spring	music wire	
8	Toggle	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

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



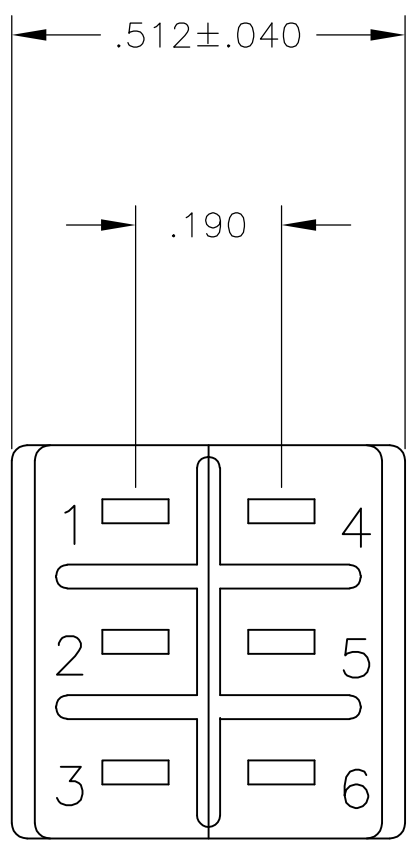
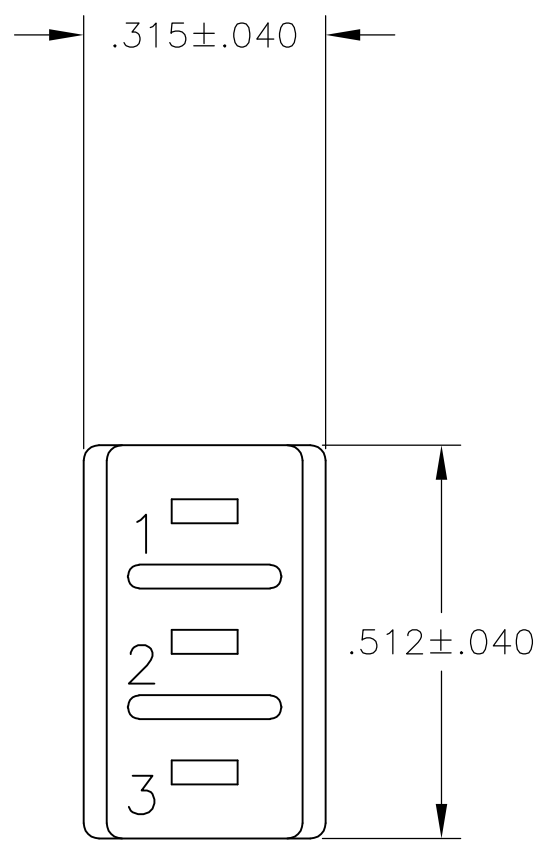
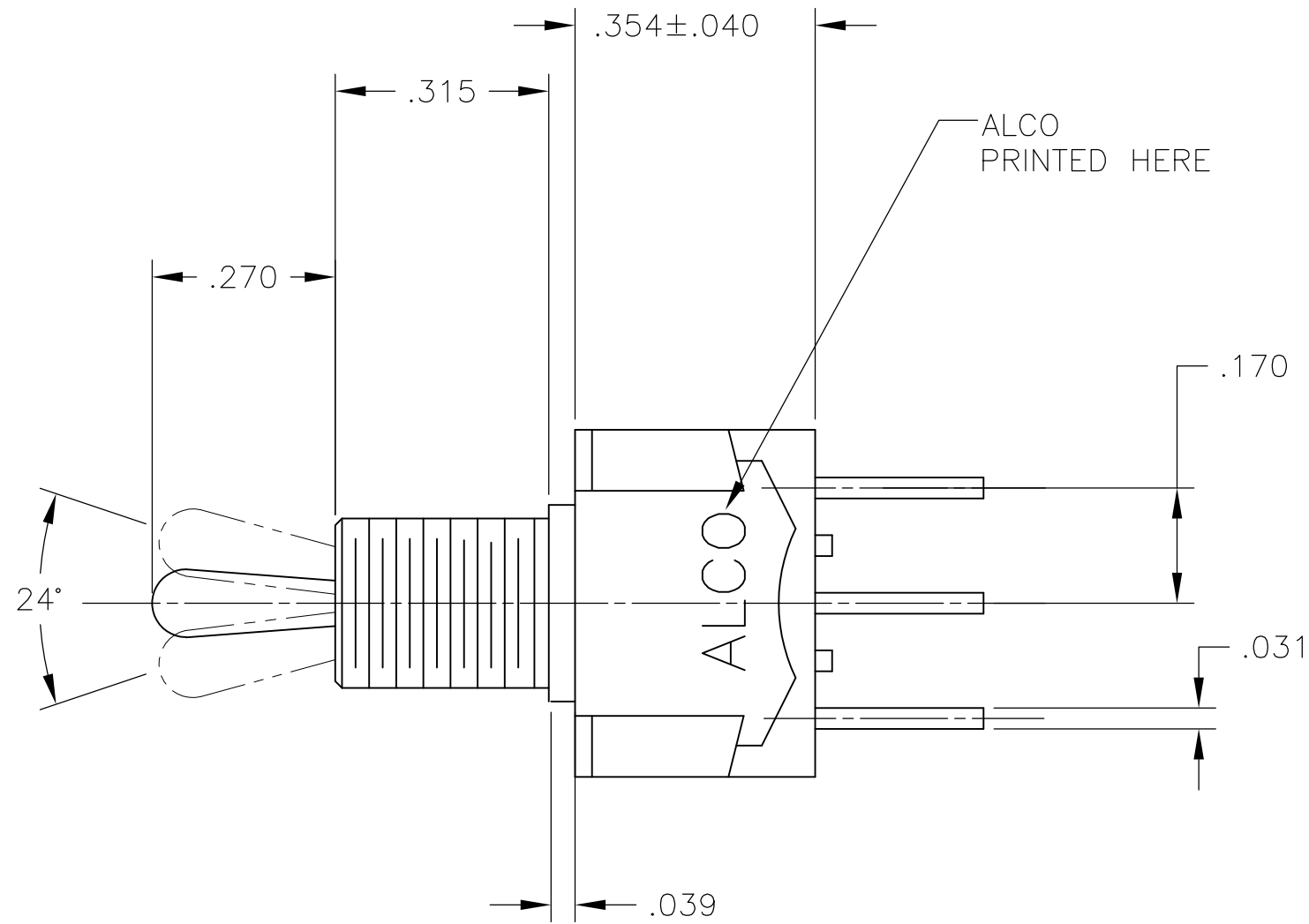
- PER SPEC 202-37
- NOTES:
1. TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.
 2. EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
 - (1) 1/4-40 UNS-2B HEX NUTS
 - (1) INTERNAL TOOTH LOCKWASHER
 - (1) LOCATING RING

5. CUSTOMER INSTALLED EXTERNAL JUMPER BETWEEN TERMINALS 2 AND 4 REQUIRED FOR 1 POLE 3 THROW FUNCTION.
6. OBSOLETE
7. LASER MARKING USED FOR PARTS.

PART NUMBER	ALCO MODEL	POLES	THROWS	FUNCTION	TERMINAL				COMMENTS
5-1437559-4	MTM406NPC	4	2	ON ON	PC	2-3, 5-6, 8-9, 11-12	---	2-1, 5-4, 8-7, 11-10	
5-1437559-3	MTM306DPC	3	2	ON ON	PC	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
5-1437559-2	MTM206SPC	2	2	(ON) OFF (ON)	PC	2-3, 5-6	OFF	2-1, 5-4	
5-1437559-1	MTM206PPC	2	2	ON OFF ON	PC	2-3, 5-6	OFF	2-1, 5-4	
5-1437559-0	MTM206PAPC	1	3	ON ON ON	PC	5-6	5-3	5-1	note 5
4-1437559-9	MTM206NPC	2	2	ON ON	PC	2-3, 5-6	---	2-1, 5-4	
4-1437559-8	MTM106FPC	1	2	ON (ON)	PC	2-3	---	2-1	
4-1437559-7	MTM106EPC	1	2	ON OFF ON	PC	2-3	Off	2-1	
4-1437559-6	MTM106DPC	1	2	ON ON	PC	2-3	---	2-1	

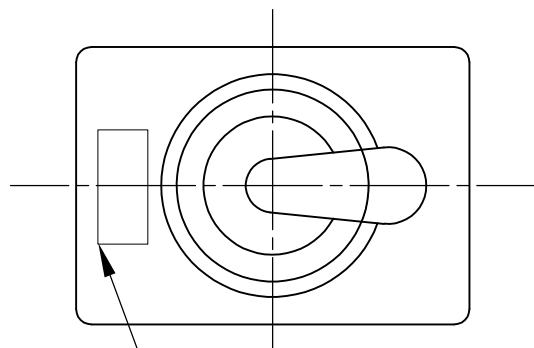
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG: M.BINNER	2906C03	 TE Connectivity	
		CHK: M.ZITTO	2906C03		
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED: M.ZITTO		NAME	
		PRODUCT SPEC APPLICATION SPEC		TOGGLE SWITCH, MTM SERIES VERTICAL MOUNT -	
MATERIAL -		WEIGHT -		SIZE A1	
				CAGE CODE 00779	
				DRAWING NO 4-1437559-9	
				RESTRICTED TO -	
				SCALE 4:1	
				SHEET 1 OF 3	
				REV E	
CUSTOMER DRAWING					

LOC		DIST		REVISIONS				
AD		00		REV	DATE	BY	CHK	APP
				1	SEE SHEET 1			

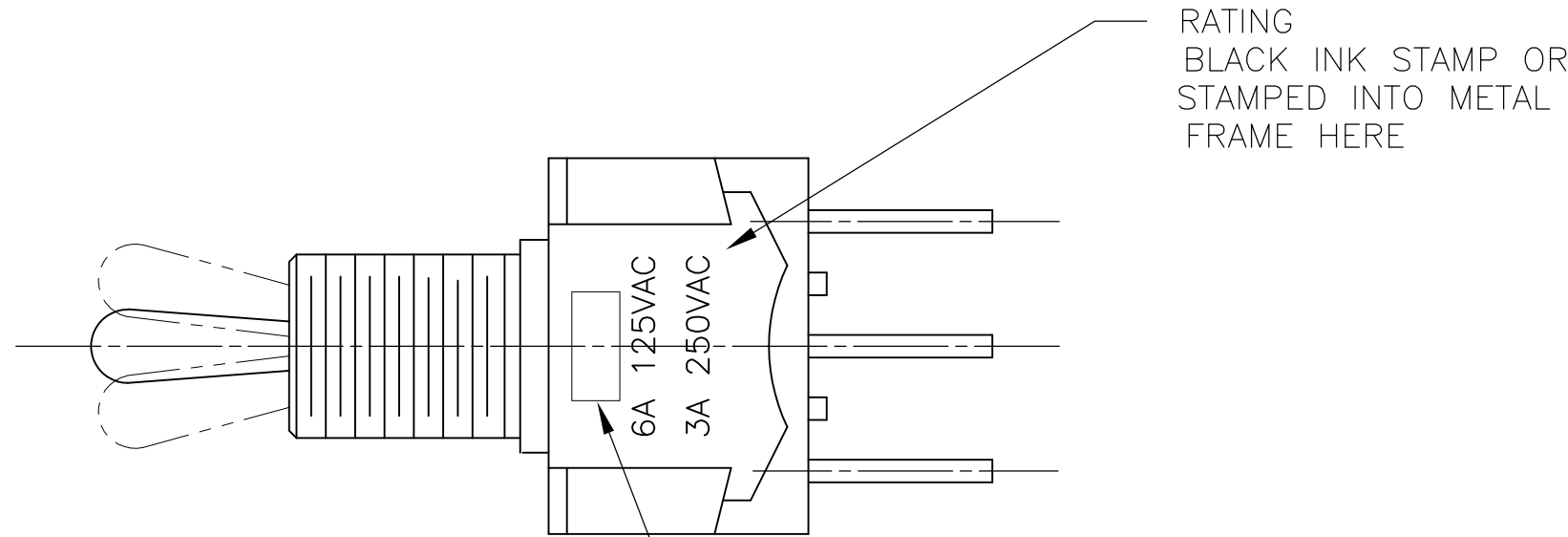
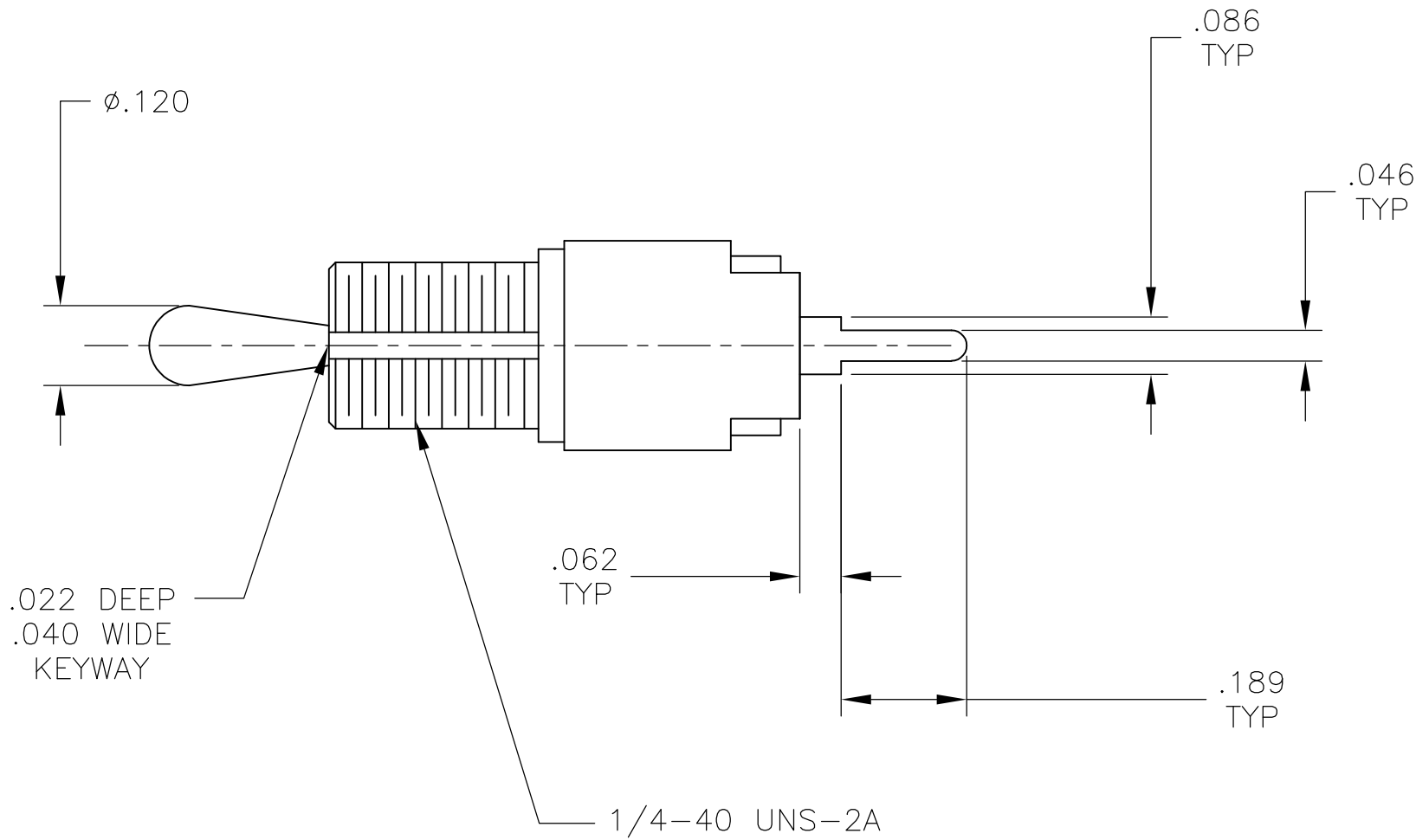


MTM-106

MTM-206



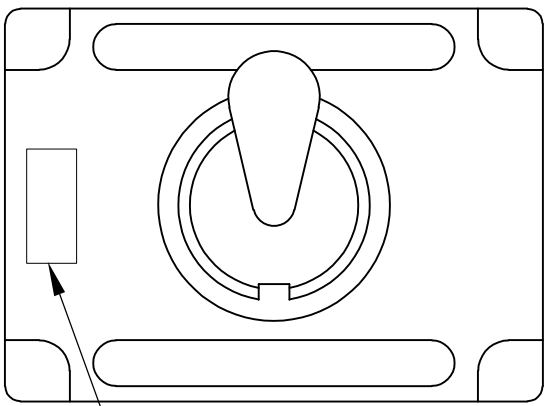
COUNTRY OF ORIGIN STAMPED HERE EXISTING SWITCHES ONLY



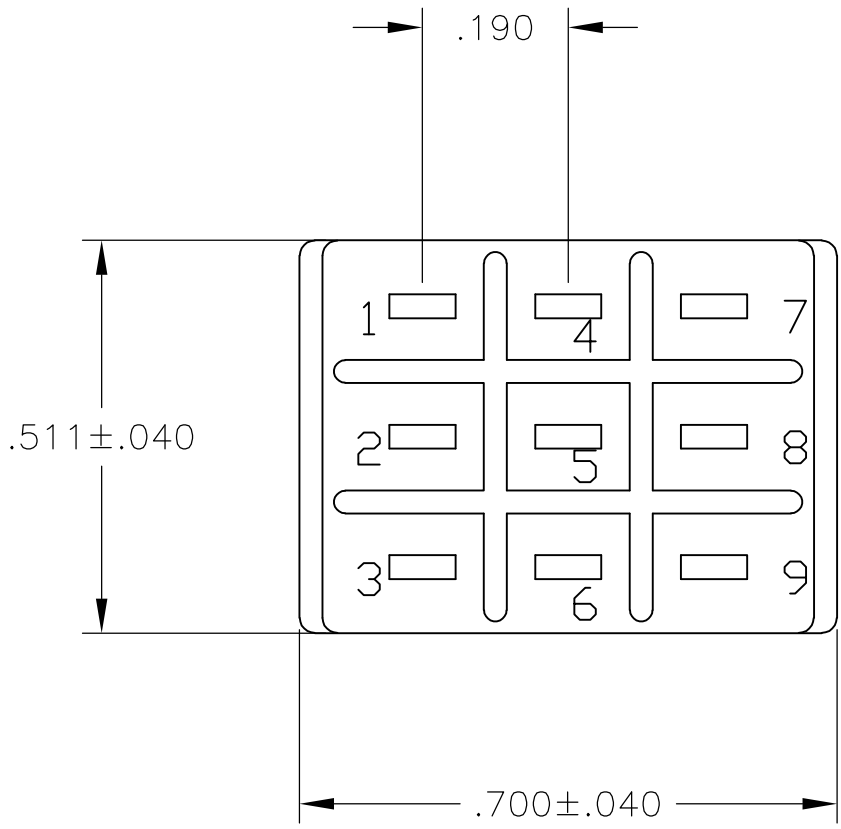
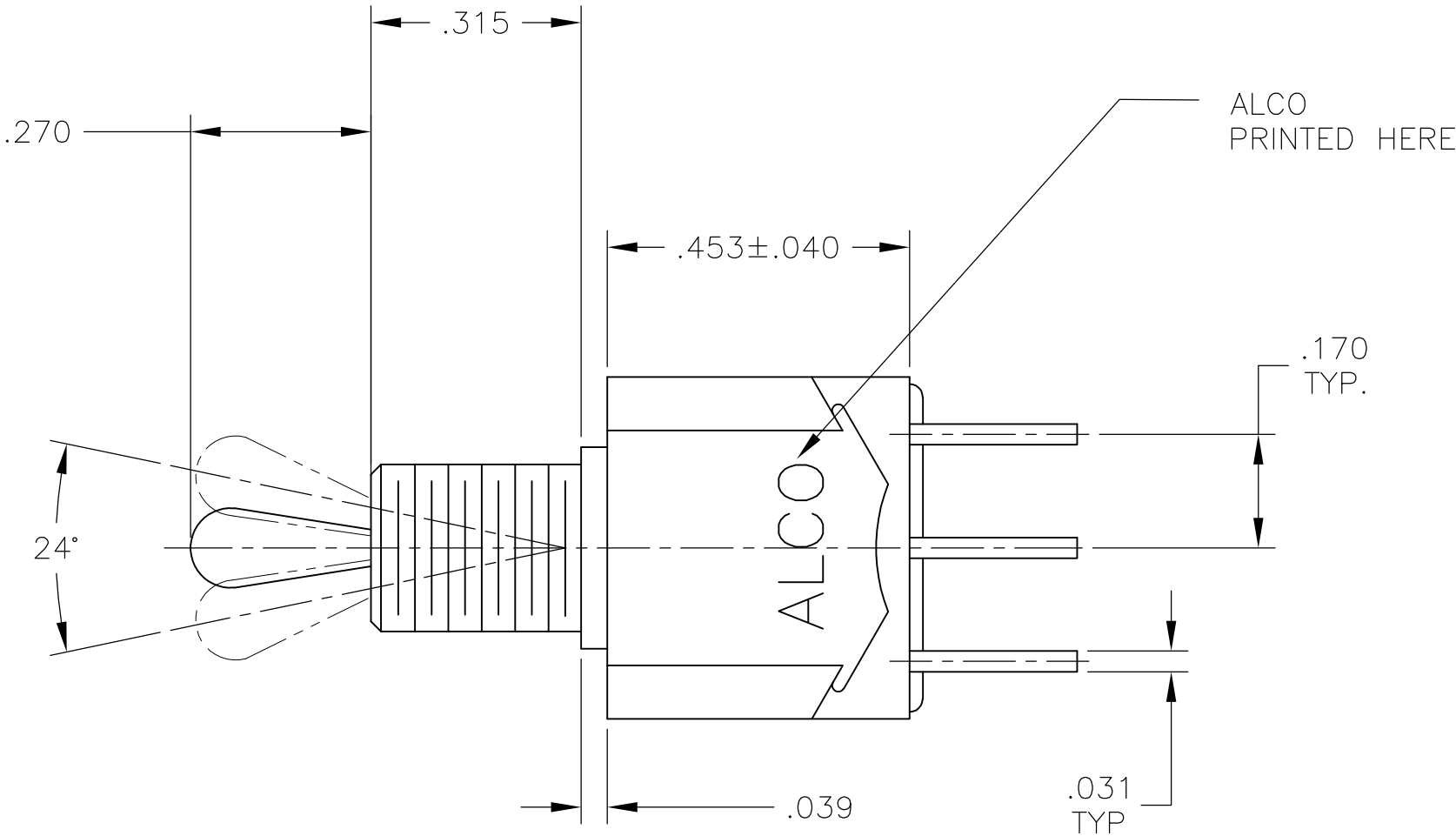
COUNTRY OF ORIGIN BLACK INK STAMPED OR STAMPED INTO METAL FRAME HERE NEWLY TOOLED SWITCHES ONLY

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, MTM SERIES VERTICAL MOUNT	
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		RESTRICTED TO	
		0. PLC ± .005 1. PLC ± .005 2. PLC ± .005 3. PLC ± .005 4. PLC ± .005 ANGLES ± .005		SIZE A1	
MATERIAL		FINISH		DRAWING NO 4-1437559-9	
				CUSTOMER DRAWING	
				SCALE 4:1 SHEET 2 OF 3 REV E3	

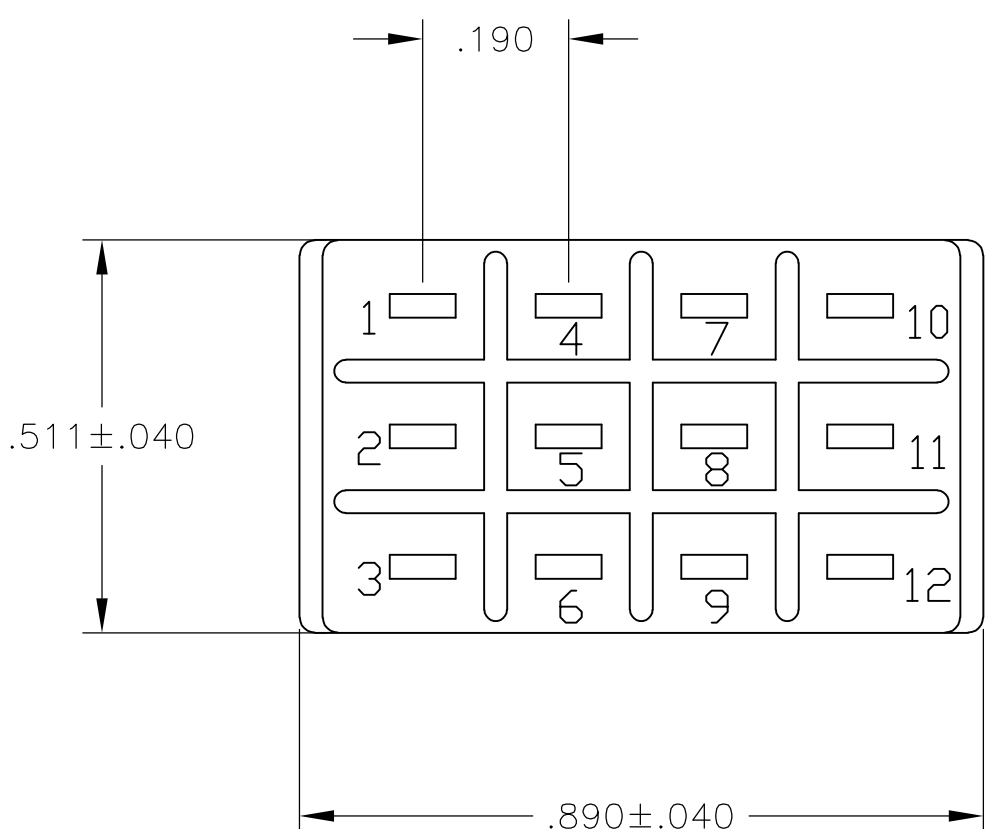
LOC		DIST		REVISONS			
AD	00	FR	LTR	DESCRIPTION		DATE	DWN
				SEE SHEET 1			



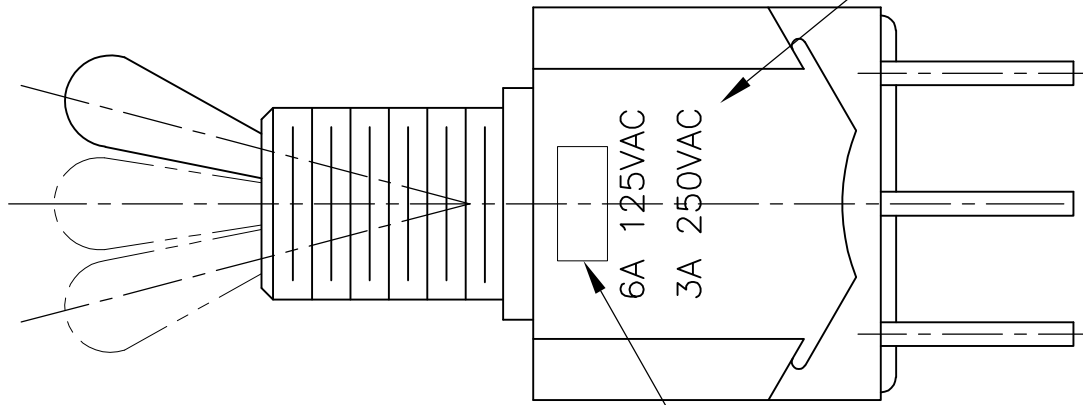
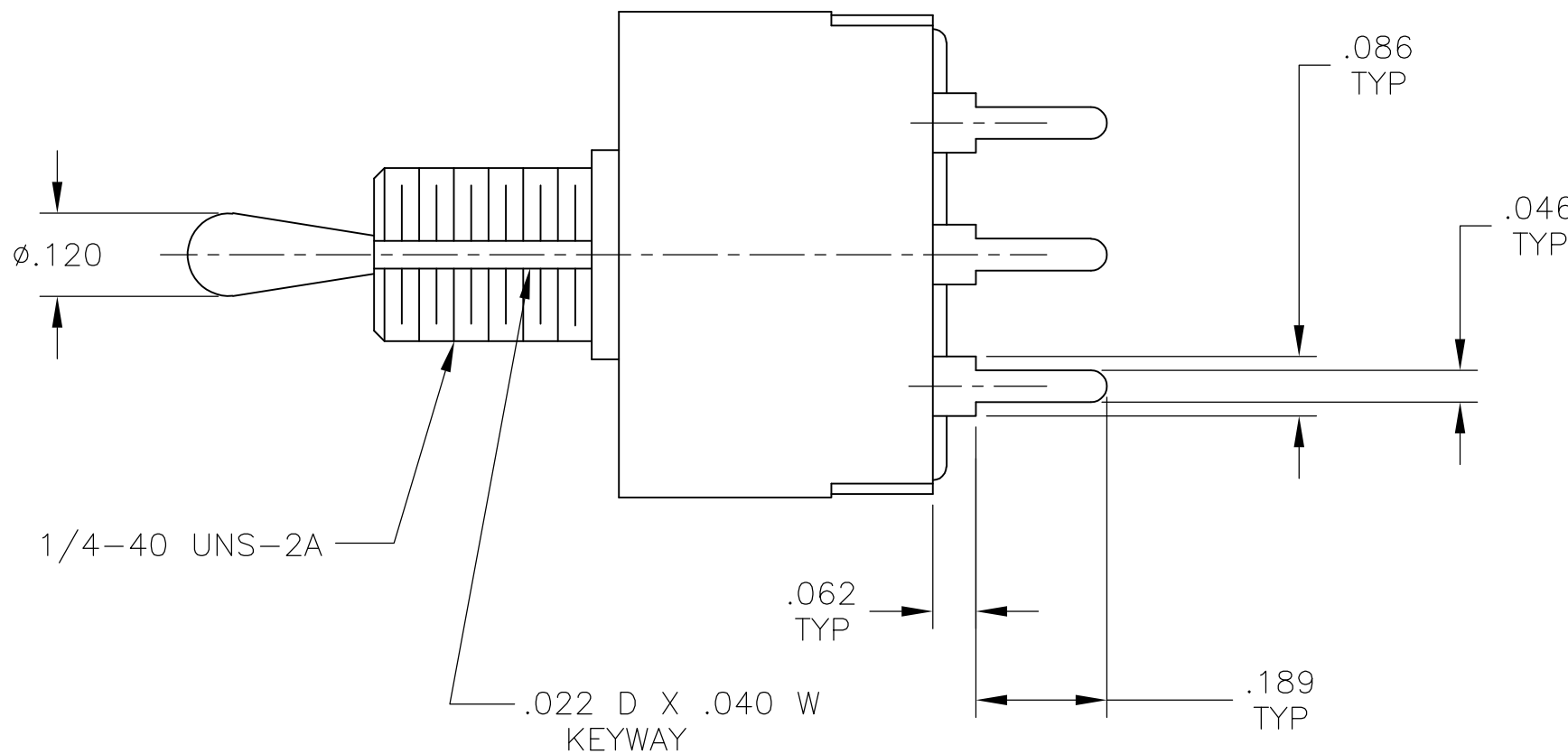
COUNTRY OF ORGIN STAMPED HERE EXISTING SWITCHES ONLY



MTM-306



MTM-406



RATING BLACK INK STAMP OR STAMPED INTO METAL FRAME THIS SIDE

COUNTRY OF ORGIN BLACK INK STAMPED OR STAMPED INTO METAL FRAME HERE NEWLY TOOLED 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, MTM SERIES VERTICAL MOUNT			
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE A1			
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 4 PLC ± - ANGLES ± -		CAGE CODE 4-1437559-9			
MATERIAL		FINISH		RESTRICTED TO			
-		-		SCALE 4:1 SHEET 3 OF 3 REV E3			
				CUSTOMER DRAWING			

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