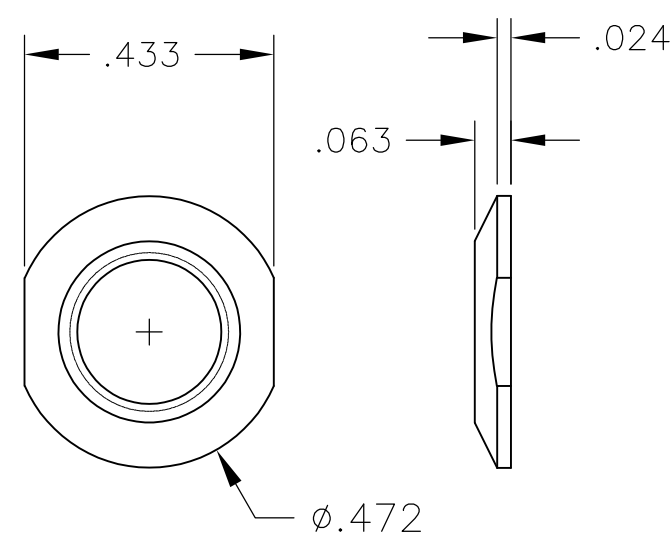
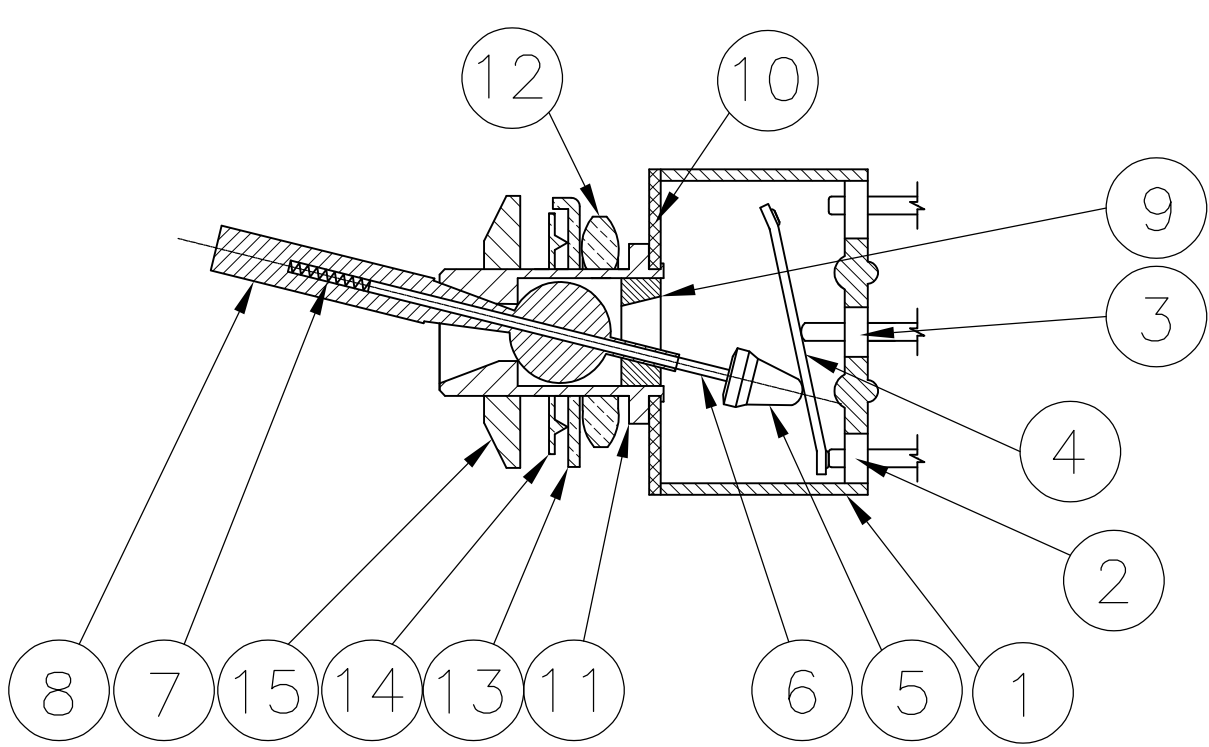


LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			D3	REVISED PER ECO-14-010935	19JUL2014	NK	RH

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	Toggle	brass	nickel, see chart
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 (1)	brass	200 microinches min. bright nickel
13	Locating ring	cold rolled steel	zinc or nickel
14	Internal tooth lockwasher	steel	zinc or nickel
15	Dress Nut	Brass	200 microinches min bright nickel

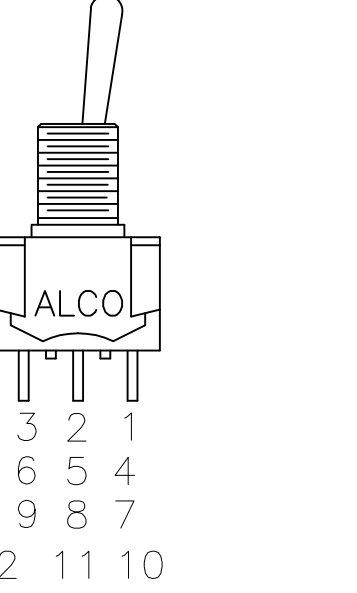
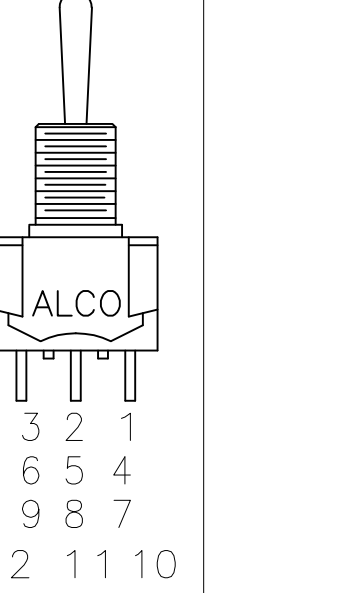
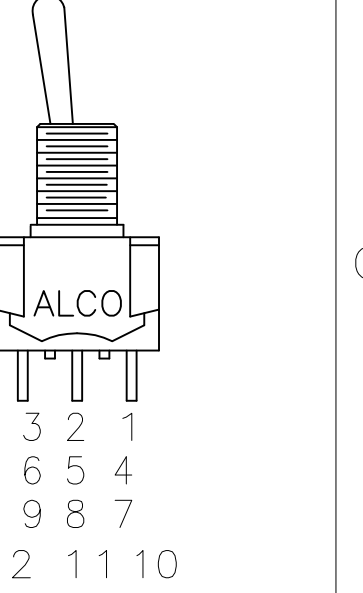


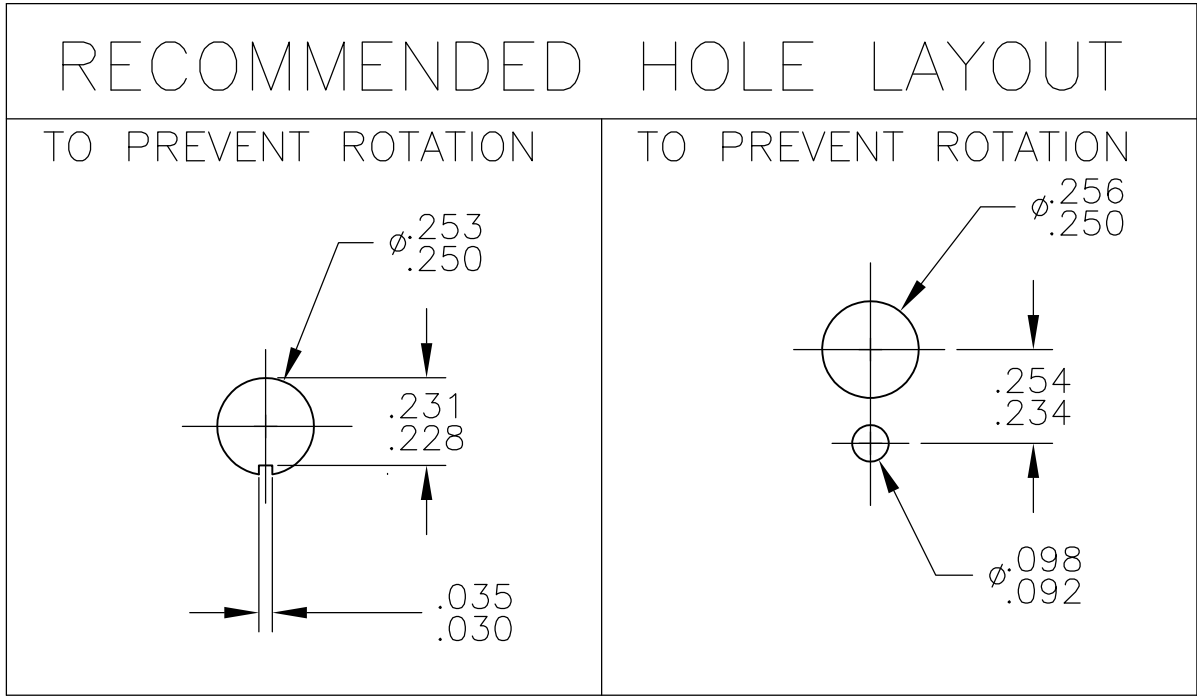
DRESS NUT



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	Toggle Finish				Comments
1437559-9	MTF426N	4	2	ON ON	Wire lug	bright nickel	2-3, 5-6, 8-9, 11-12	---	2-1, 5-4, 8-7, 11-10	
1437559-8	MTF406N	4	2	ON ON	Wire lug	matte nickel	2-3, 5-6, 8-9, 11-12	---	2-1, 5-4, 8-7, 11-10	
1437559-7	MTF326D	3	2	ON ON	Wire lug	bright nickel	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
1437559-6	MTF306D	3	2	ON ON	Wire lug	matte nickel	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
1437559-5	MTF226SA	1	3	(ON) ON (ON)	Wire lug	bright nickel	5-6	5-3	5-1	note 6
1437559-4	MTF226S	2	2	(ON) OFF (ON)	Wire lug	bright nickel	2-3, 5-6	Off	2-1, 5-4	
1437559-3	MTF226R	2	2	ON (ON)	Wire lug	bright nickel	2-3, 5-6	---	2-1, 5-4	
1437559-2	MTF226PA	1	3	ON ON ON	Wire lug	bright nickel	5-6	5-3	5-1	note 6
1437559-1	MTF226P	2	2	ON OFF ON	Wire lug	bright nickel	2-3, 5-6	Off	2-1, 5-4	
9-1437558-9	MTF226N	2	2	ON ON	Wire lug	bright nickel	2-3, 5-6	---	2-1, 5-4	
9-1437558-8	MTF206T	2	2	ON OFF(ON)	Wire lug	matte nickel	2-3, 5-6	Off	2-1, 5-4	
9-1437558-7	MTF206SA	1	3	(ON) ON (ON)	Wire lug	matte nickel	5-6	5-3	5-1	note 6
9-1437558-6	MTF206S	2	2	(ON) OFF (ON)	Wire lug	matte nickel	2-3, 5-6	Off	2-1, 5-4	
9-1437558-5	MTF206R	2	2	ON (ON)	Wire lug	matte nickel	2-3, 5-6	---	2-1, 5-4	
9-1437558-4	MTF206PA	1	3	ON ON ON	Wire lug	matte nickel	5-6	5-3	5-1	note 6
9-1437558-3	MTF206P	2	2	ON OFF ON	Wire lug	matte nickel	2-3, 5-6	Off	2-1, 5-4	
9-1437558-2	MTF206N	2	2	ON ON	Wire lug	matte nickel	2-3, 5-6	---	2-1, 5-4	
9-1437558-1	MTF126G	1	2	(ON) OFF (ON)	Wire lug	bright nickel	2-3	Off	2-1	
9-1437558-0	MTF126F	1	2	ON (ON)	Wire lug	bright nickel	2-3	---	2-1	
8-1437558-9	MTF126E	1	2	ON OFF ON	Wire lug	bright nickel	2-3	Off	2-1	
8-1437558-8	MTF126D	1	2	ON ON	Wire lug	bright nickel	2-3	---	2-1	
8-1437558-7	MTF106H	1	2	ON OFF(ON)	Wire lug	matte nickel	2-3	Off	2-1	
8-1437558-6	MTF106G	1	2	(ON) OFF (ON)	Wire lug	matte nickel	2-3	Off	2-1	
8-1437558-5	MTF106F	1	2	ON (ON)	Wire lug	matte nickel	2-3	---	2-1	
8-1437558-4	MTF106E	1	2	ON OFF ON	Wire lug	matte nickel	2-3	Off	2-1	
8-1437558-3	MTF106D	1	2	ON ON	Wire lug	matte nickel	2-3	---	2-1	



PC BOARD LAYOUT
PC TERMINAL ONLY

Diagram showing terminal positions and dimensions:

- Terminal positions are marked with circles containing a cross.
- Dimensions:
 - $\phi .076$ TYP (Terminal diameter)
 - $\phi .072$ TYP (Terminal diameter)
 - $.190 \pm .002$ TYP (Terminal pitch)
 - $.170 \pm .002$ TYP (Terminal width)
- Labels: POLE 1, POLE 2, POLE 3, POLE 4.

NOTES:

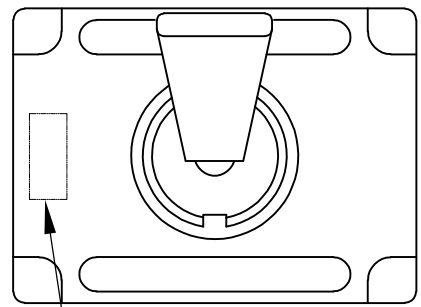
1. TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.
2. EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
 - (1) 1/4-40 UNS-2B HEX NUTS, (1) 1/4-40 UNS-2B DRESS NUTS
 - (1) INTERNAL TOOTH LOCKWASHER
 - (1) LOCATING RING
5. WIRE LUG CONTACTS WILL ACCEPT 2 #20 AWG SOLID OR STRANDED WIRES.
6. CUSTOMER INSTALLED EXTERNAL JUMPER BETWEEN TERMINALS 2 AND 4 REQUIRED FOR 1 POLE 3 THROW FUNCTION.

 OBSOLETE

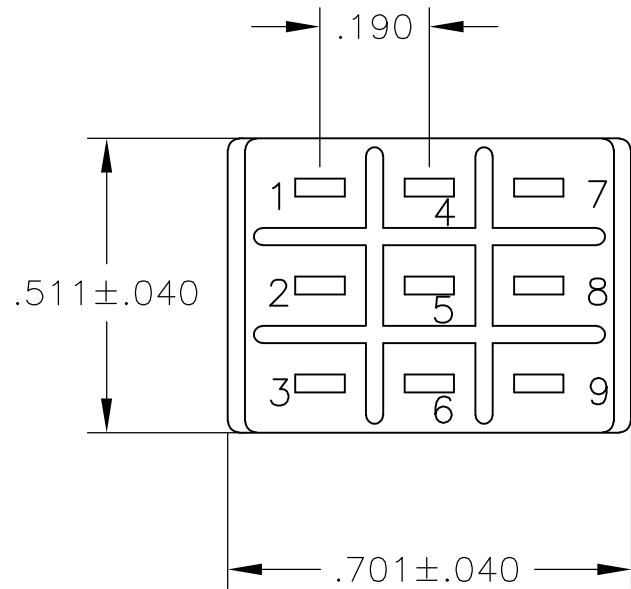
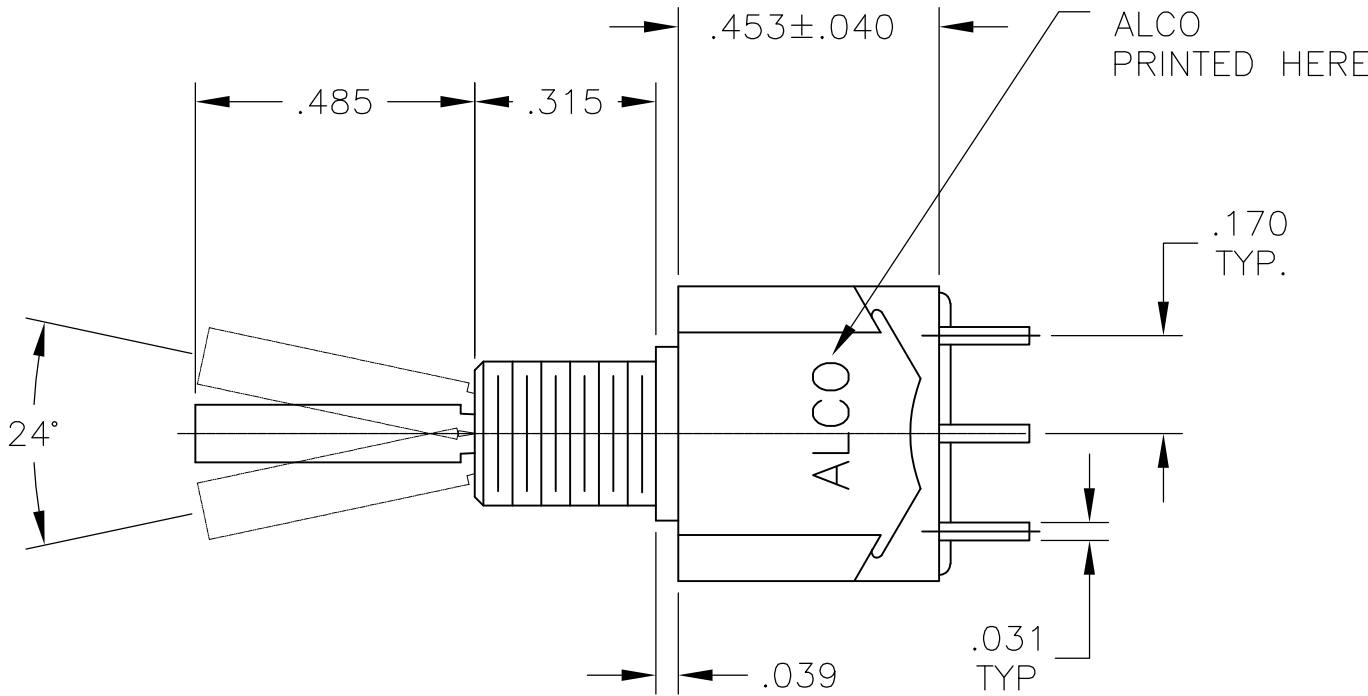
8. LASER MARKING USED FOR PARTS.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG: M.BINNER	05APR04	 TE Connectivity
		CHK: M.ZITTO	05APR04	
		APPV: M.ZITTO	05APR04	
DIMENSIONS: INCHES 		TOLERANCES, UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± .005 4 PLC ± - ANGLES ± - FINISH -		NAME TOGGLE SWITCH, MTF SERIES VERTICAL MOUNT -
MATERIAL -		PRODUCT SPEC APPLICATION SPEC WEIGHT -		SIZE A1
		DRAWING NO: 00779		RESTRICTED TO -
		CUSTOMER DRAWING SCALE: 2:1		SHEET 1 OF 3 REV D.3

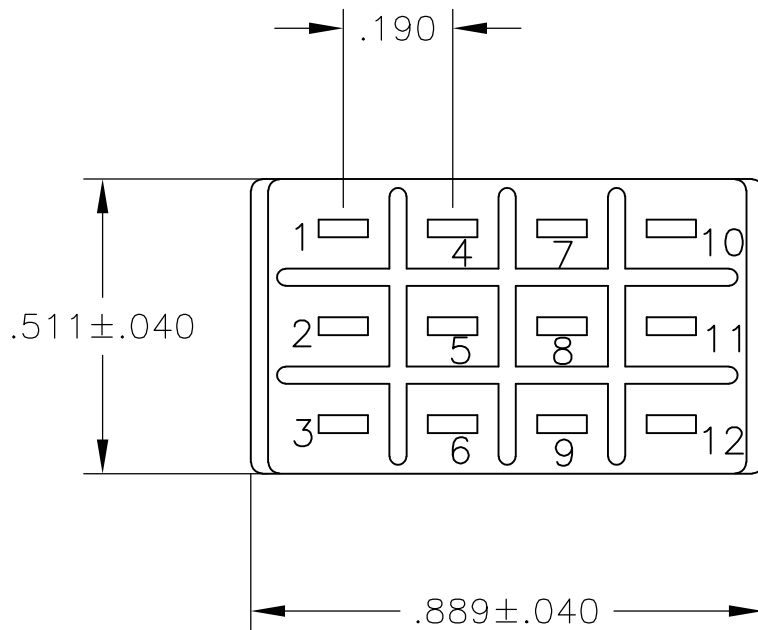
LOC		DIST		REVISIONS					
AD		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
					—	SEE SHEET 1	—	—	—



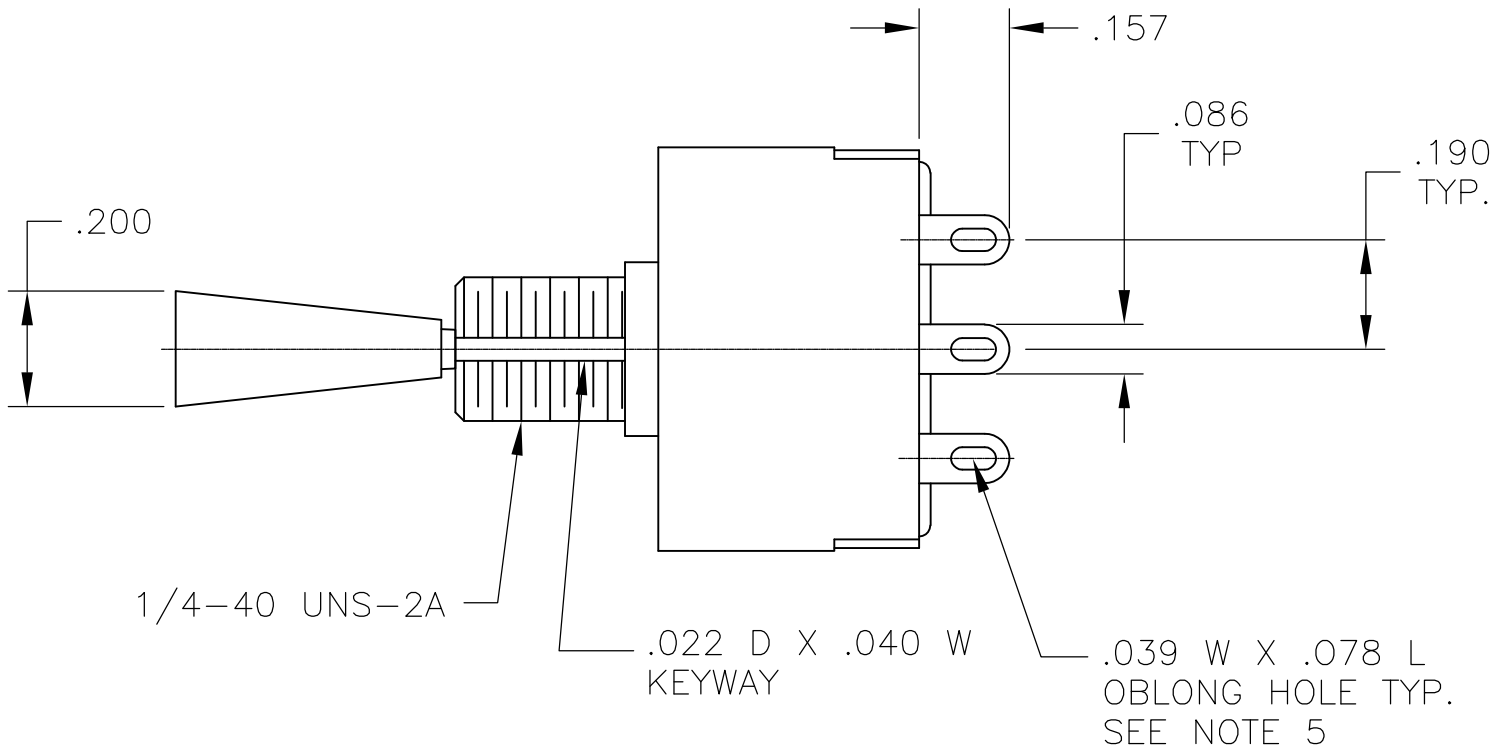
COUNTRY OF ORGIN
STAMPED HERE
EXISTING
SWITCHES ONLY



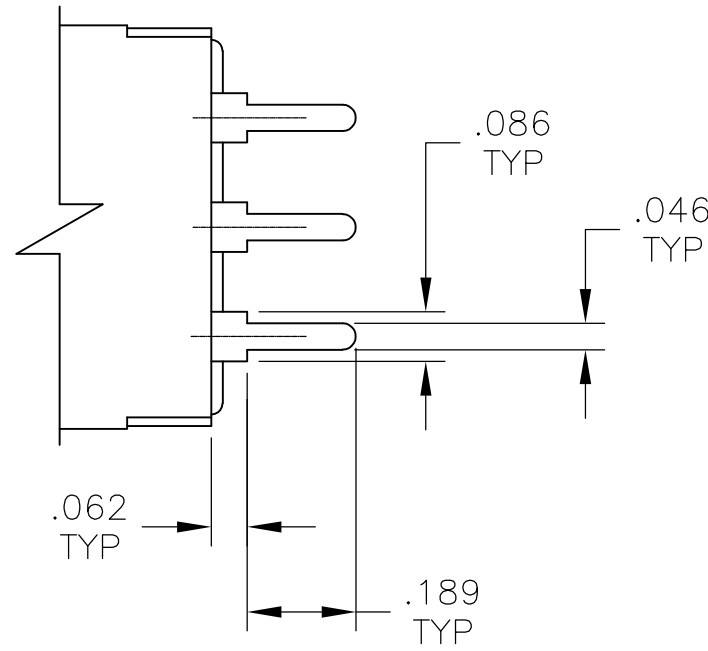
MTF-306



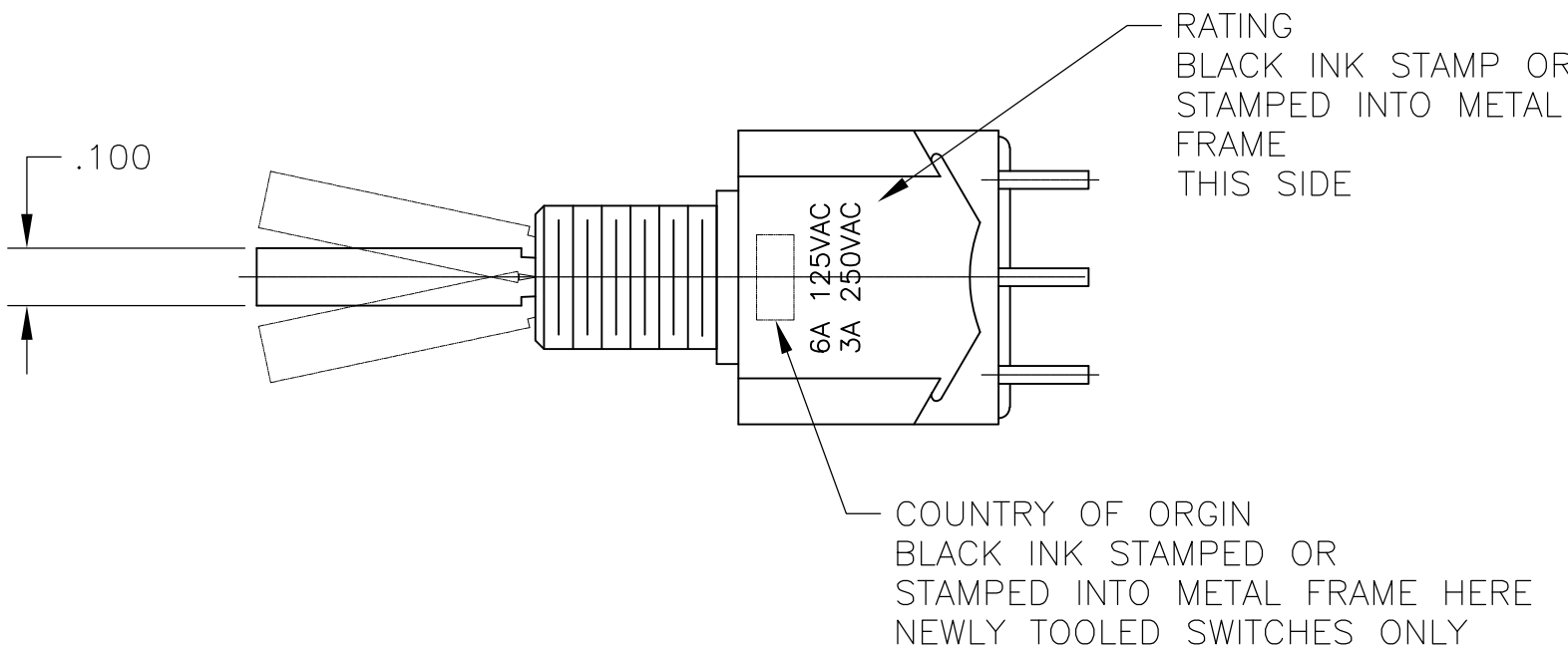
MTF-406



WIRE LUG TERMINAL



PC TERMINAL



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: M. BINNER	08APR04	 TE Connectivity	
		CHK: M. ZITTO	08APR04		
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:	APVD: M. ZITTO	08APR04	NAME