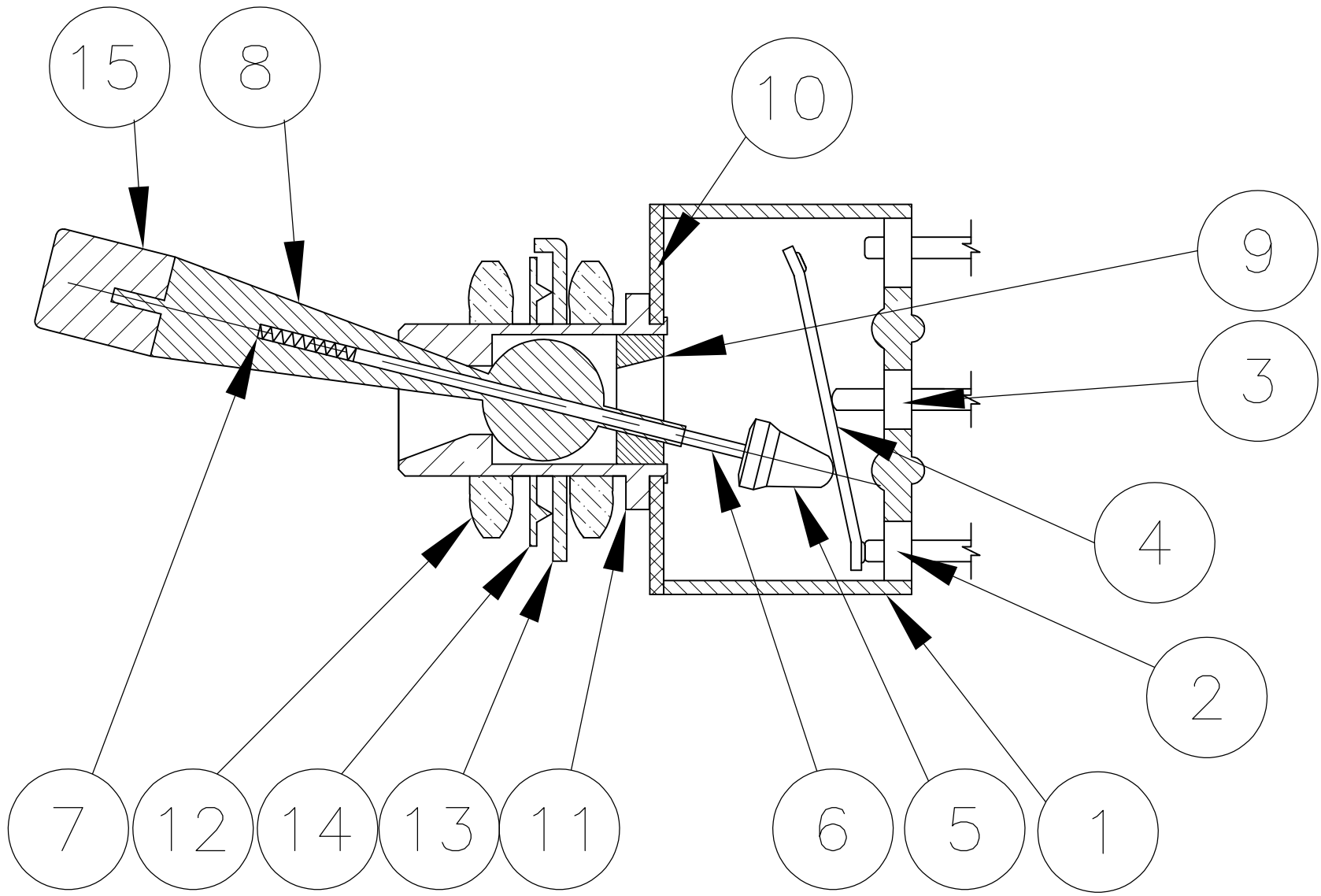


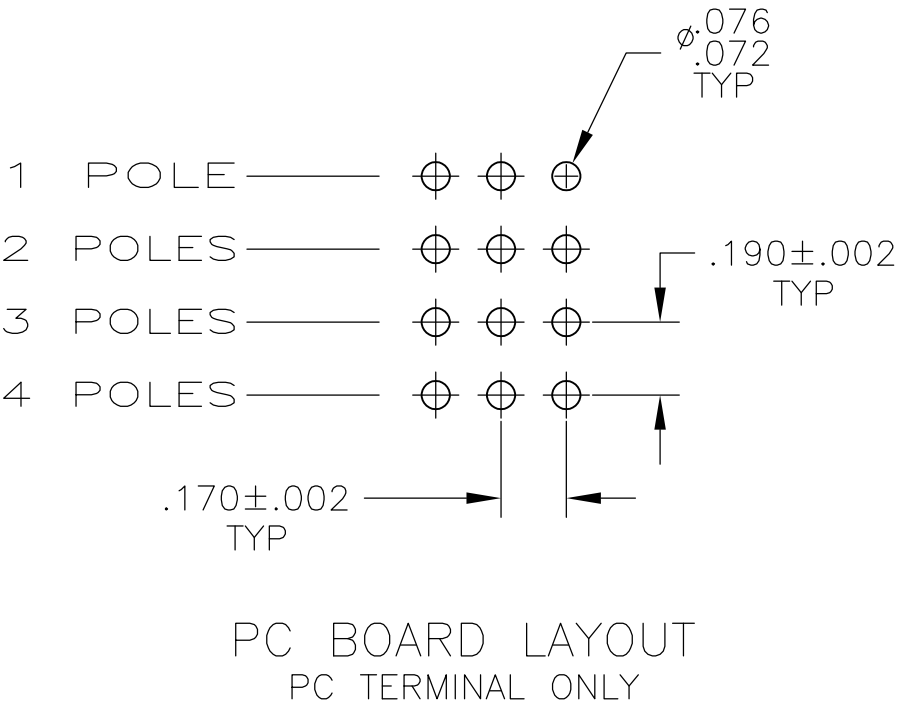
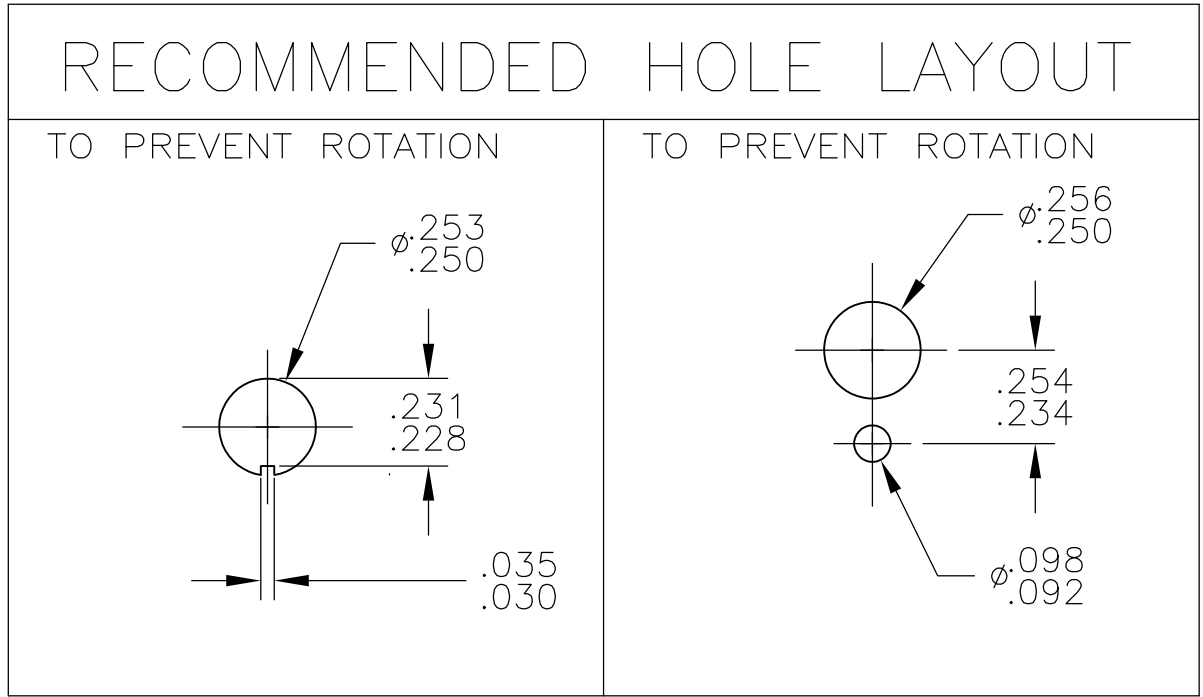
LOC		DIST		REVISIONS					
AD		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
					C3	REVISED PER ECO-14-010935	19JUL2014	NK	RH

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	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	Toggle tip	Polyamide, black	



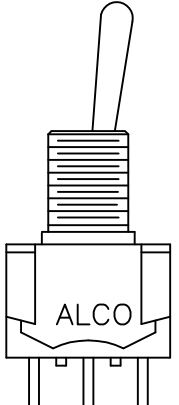
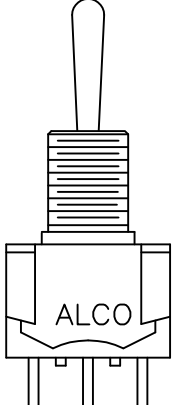
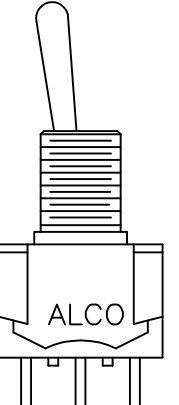
NOT TO SCALE

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



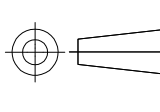
- NOTES:
- TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.
 - EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
 - (2) 1/4-40 UNS-2B HEX NUTS
 - (1) INTERNAL TOOTH LOCKWASHER
 - (1) LOCATING RING

- WIRE LUG CONTACTS WILL ACCEPT 2 #20 AWG SOLID OR STRANDED WIRES.
- LASER MARKING USED FOR PARTS.

Part Number	Alco Model	Poles	Throws	Function	Terminal				Comments
6-1437558-7	MTB406N	4	2	ON ON	Wire lug	2-3, 5-6, 8-9, 11-12	---	2-1, 5-4, 8-7, 11-10	
6-1437558-6	MTB306D	3	2	ON ON	Wire lug	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
6-1437558-5	MTB206P	2	2	ON OFF ON	Wire lug	2-3, 5-6	OFF	2-1, 5-4	
6-1437558-4	MTB206N	2	2	ON ON	Wire lug	2-3, 5-6	---	2-1, 5-4	
6-1437558-3	MTB106E	1	2	ON OFF ON	Wire lug	2-3	Off	2-1	
6-1437558-2	MTB106D	1	2	ON ON	Wire lug	2-3	---	2-1	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES



MATERIAL: -

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .005

4 PLC ± -

ANGLES ± -

FINISH: -

DWN: M. BINNER

CHK: M. ZITTO

APP'D: M. ZITTO

PRODUCT SPEC

APPLICATION SPEC

WEIGHT: -

CUSTOMER DRAWING

07APR04

07APR04

07APR04

NAME

SIZE: A1

CAGE CODE: 00779

DRAWING NO: 6-1437558-2

RESTRICTED TO: -

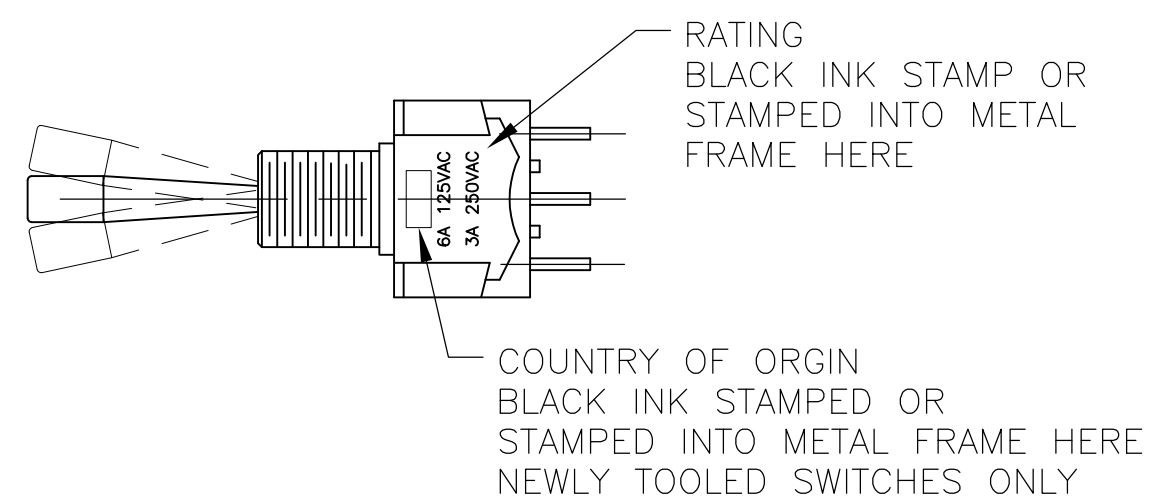
SCALE: 2:1

SHEET: 1 OF 3

REV: C3

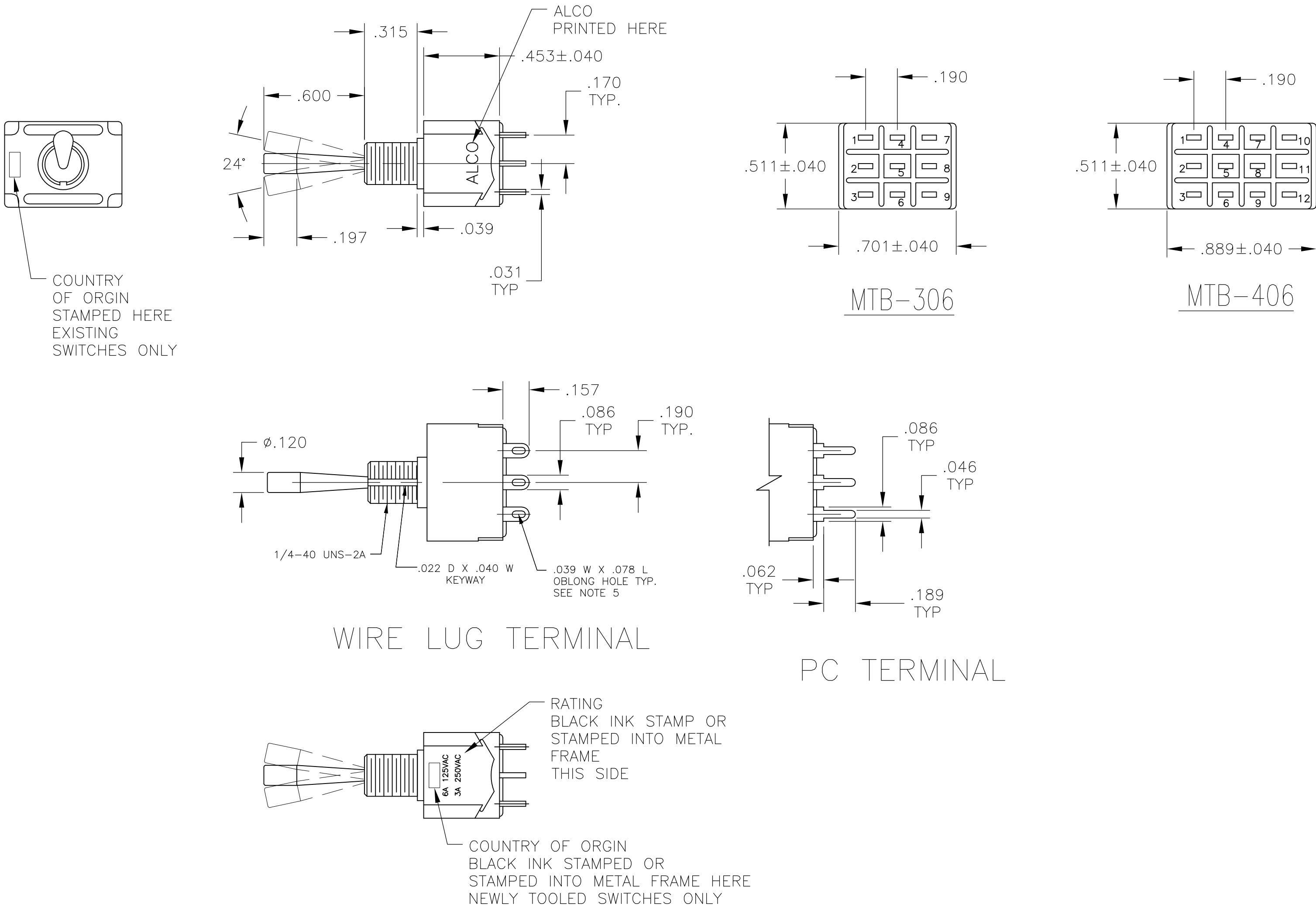
TE Connectivity

TOGGLE SWITCH, MTB SERIES
VERTICAL MOUNT



THIS DRAWING IS A CONTROLLED DOCUMENT.						DWG M.BINNER	07APR04			TE Connectivity	
DIMENSIONS:		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		DWG M.ZITTO	07APR04	NAME	TOGGLE SWITCH, MTB SERIES VERTICAL MOUNT				
INCHES				PRODUCT SPEC							
		D PLG ± - 1 PLG ± - 2 PLG ± - 3 PLG ± .005 4 PLG ± - ANGLES ± -		APPLICATION SPEC		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO		
MATERIAL	-	FINISH		WEIGHT	-	A1	00779	C=6-1437558-2			
CUSTOMER DRAWING						SCALE	1:1	SHEET	2 OF 3	REV C.C.	

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



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER	07APR04	TE Connectivity	
		CHK M. ZITTO	07APR04		
DIMENSIONS: INCHES		AP'D M. ZITTO	07APR04	NAME	
		PRODUCT SPEC		TOGGLE SWITCH, MTB SERIES VERTICAL MOUNT	
		APPLICATION SPEC		—	
		WEIGHT		RESTRICTED TO	
MATERIAL		FINISH		—	
		CUSTOMER DRAWING		SCALE 1:1 SHEET 3 OF 3 REV C3	

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[TE Connectivity:](#)

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