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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
C4		ECR-18-009229	25SEP2018	DHC	PO

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	

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

RECOMMENDED HOLE LAYOUT

TO PREVENT ROTATION

TO PREVENT ROTATION

PC BOARD LAYOUT
PC TERMINAL ONLY

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. LASER MARKING USED FOR PARTS.

OBsolete

NOT TO SCALE

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

TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC +/- .005, 1 PLC +/- .005, 2 PLC +/- .005, 3 PLC +/- .005, 4 PLC +/- .005, ANGLES +/- .005

MATERIAL: -

FINISH: -

DWN: M. BINNER, CHK: M. ZITTO, APVD: M. ZITTO, PRODUCT SPEC: -

APPLICATION SPEC: -

WEIGHT: -

CUSTOMER DRAWING

SCALE: 2:1

SHEET: 1 OF 3

REV: C4

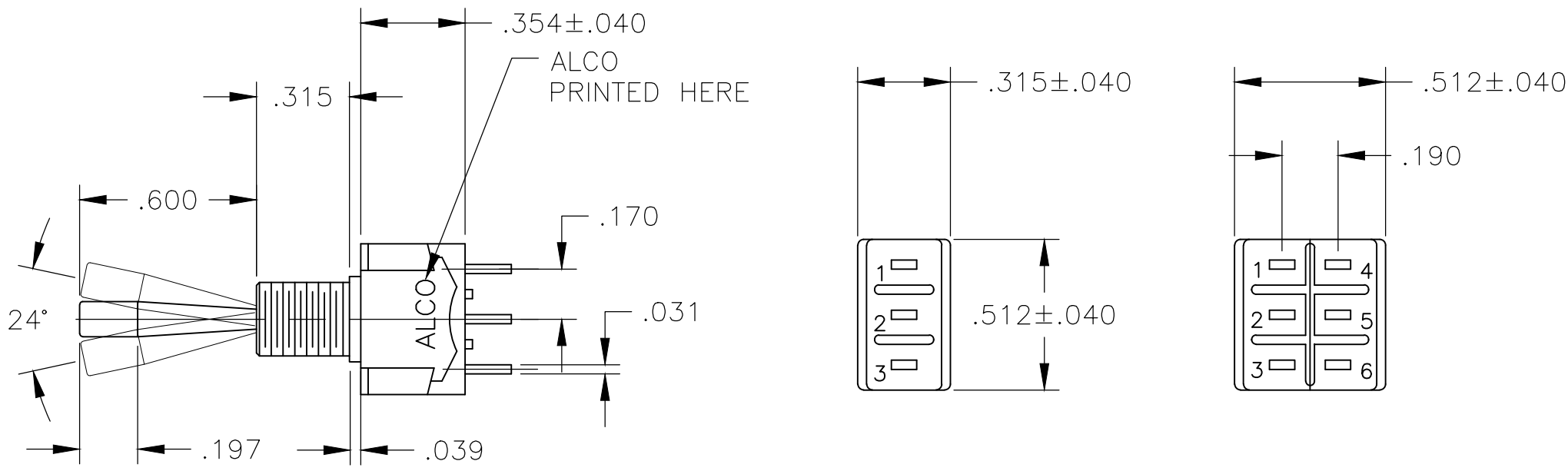
TE Connectivity Ltd.

TOGGLE SWITCH, MTB SERIES VERTICAL MOUNT

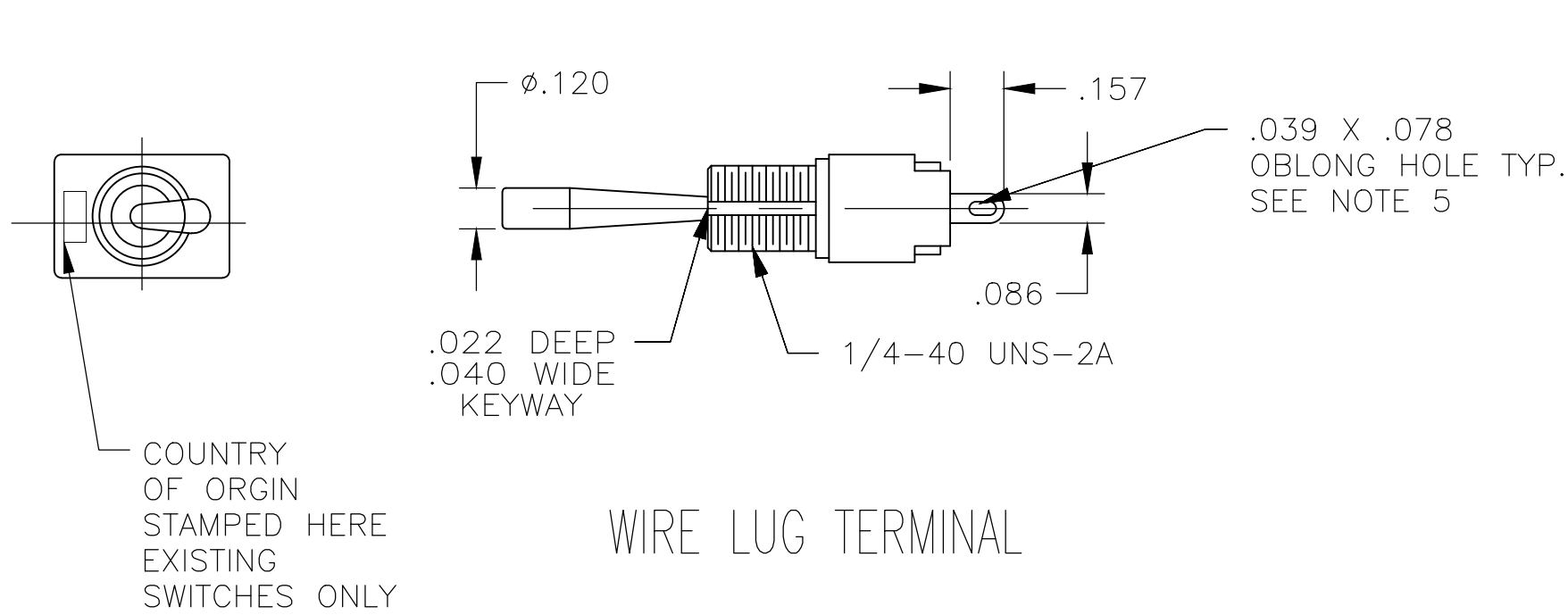
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4805 (1/15)

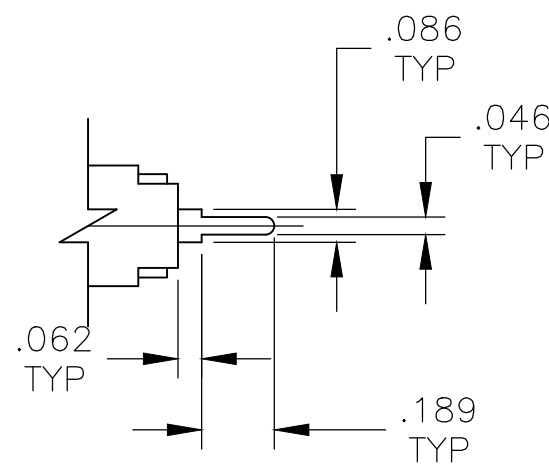
REVISIONS					
#	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



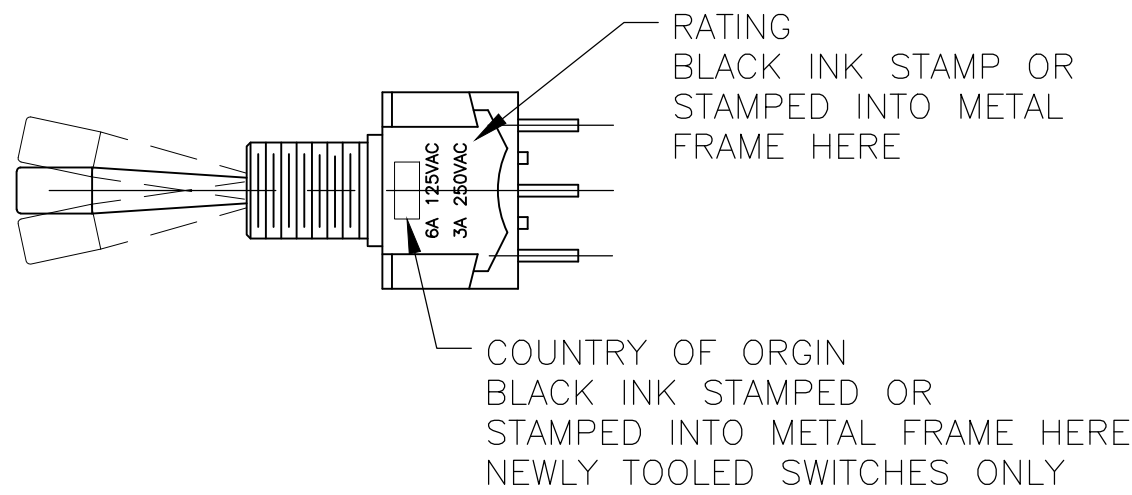
MTB-106 MTB-206



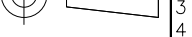
WIRE LUG TERMINAL



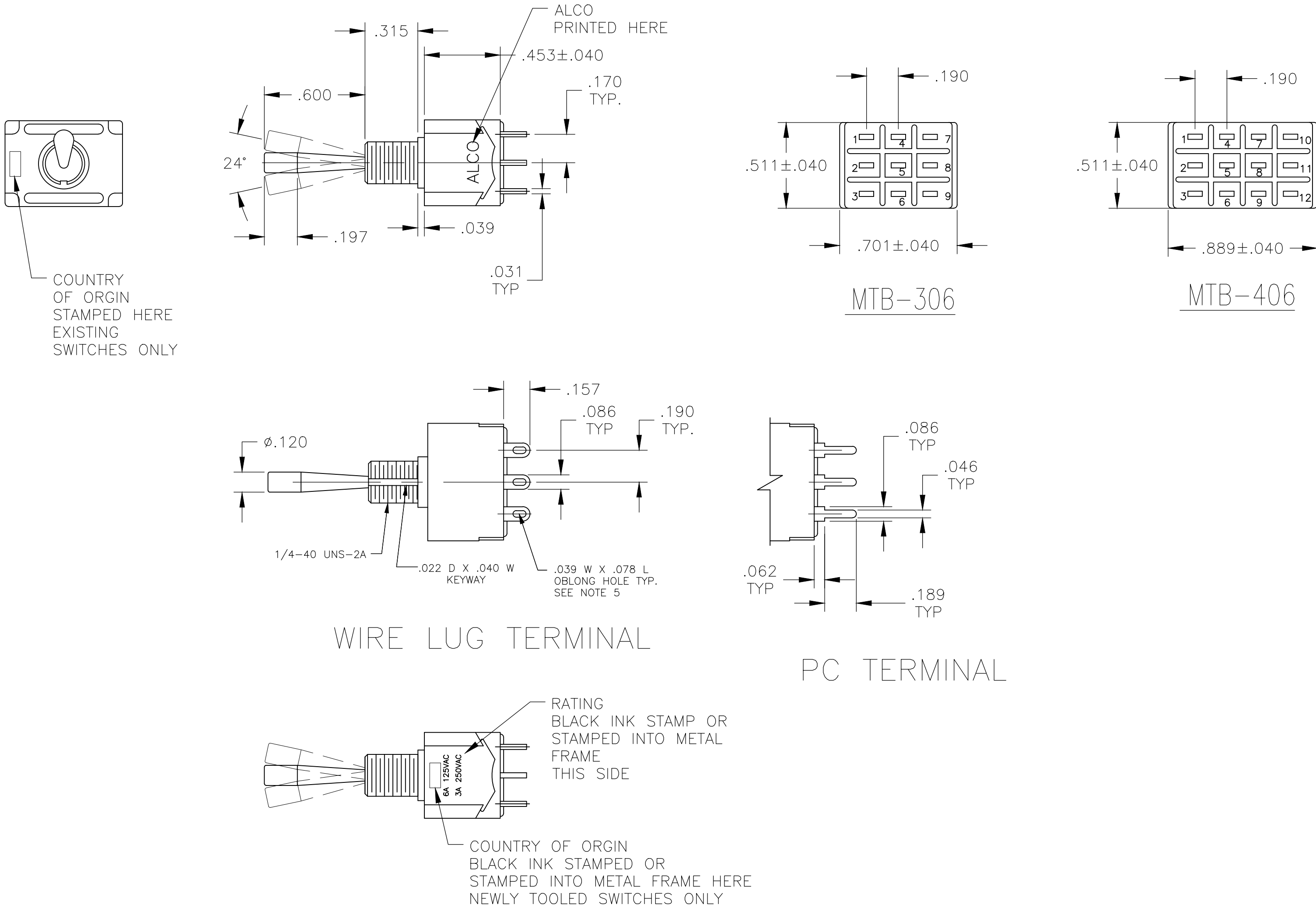
PC TERMINAL



WIRE LUG TERMINAL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: M. BINNER	07APR04	 TE Connectivity Ltd.	
DIMENSIONS: INCHES		CHK: M. ZITTO	07APR04		
		APVD: M. ZITTO	07APR04	NAME TOGGLE SWITCH, MTB SERIES VERTICAL MOUNT —	
		PRODUCT SPEC			
		APPLICATION SPEC		SIZE A1	
		WEIGHT			
MATERIAL —	FINISH —	CAGE CODE 00779		DRAWING NO 6-1437558-2	
CUSTOMER DRAWING		RESTRICTED TO —		SCALE 1:1	
				SHEET 2 OF 3	
				REV C4	

REVISIONS					
#	LT#	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER	07APR04	 TE Connectivity Ltd.	
		CHK M. ZITTO	07APR04		
DIMENSIONS: INCHES		APVD M. ZITTO	07APR04	NAME TOGGLE SWITCH, MTB SERIES VERTICAL MOUNT —	SIZE A1
		PRODUCT SPEC			
		APPLICATION SPEC			
TOLERANCES, UNLESS OTHERWISE SPECIFIED:		FINISH		CAGE CODE 00779	DRAWING NO 6-1437558-2
0 PLC ± .		0 PLC ± .		RESTRICTED TO	
1 PLC ± .		1 PLC ± .		—	
2 PLC ± .		2 PLC ± .			
3 PLC ± .005		3 PLC ± .			
4 PLC ± .		4 PLC ± .			
ANGLES ± .		WEIGHT			
MATERIAL —		CUSTOMER DRAWING		SCALE 1:1	
				SHEET 3 OF 3	
				REV C4	