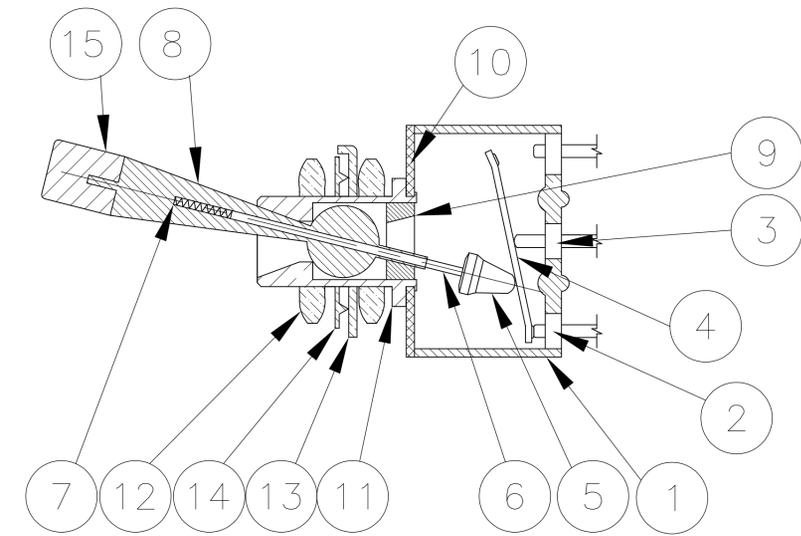


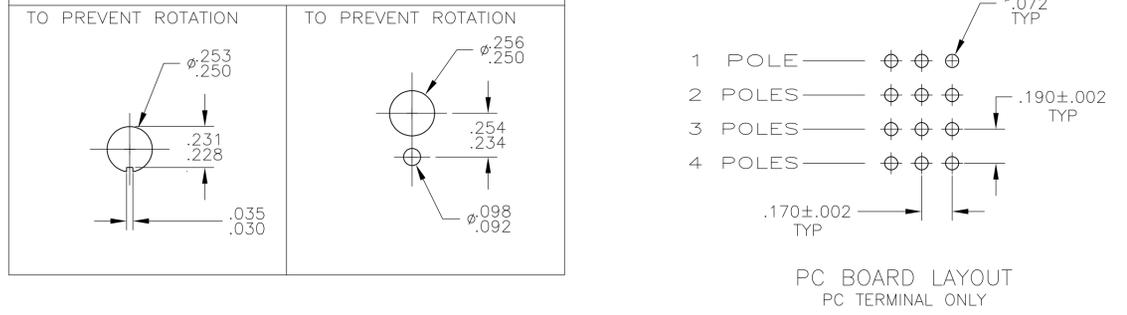
Materials			
No.	Component name	Base material	Finish
1	Housing	High Temp., UL 94V-0, green	
2	End terminal	silver clad copper alloy	5 microinches min. gold
3	Center terminal	copper alloy	5 microinches min. gold
4	Rocker contact	silver clad copper alloy	5 microinches min. gold
5	Actuator	Phenol resin, 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

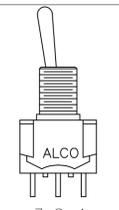
Specifications-see note 3				
Current rating UL & CSA	6A @ 125 VAC (resistive)			
	3A @ 250 VAC (resistive)			
	4A @ 28 VDC (resistive)			
Termination resistance	20 milliohms max @ 2-4 VDC, 1A			
Insulation resistance	1,000 megohms min.			
Withstanding voltage	1,000 VAC			
Travel	24 +/-6 degrees			
Actuation 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

RECOMMENDED HOLE LAYOUT



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.

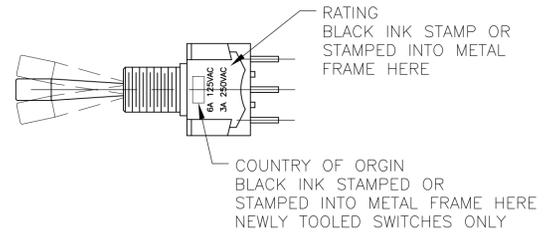
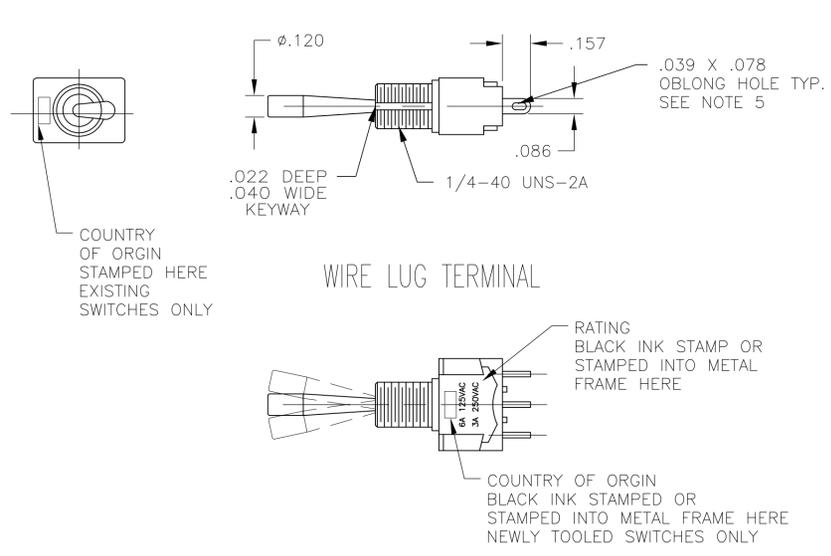
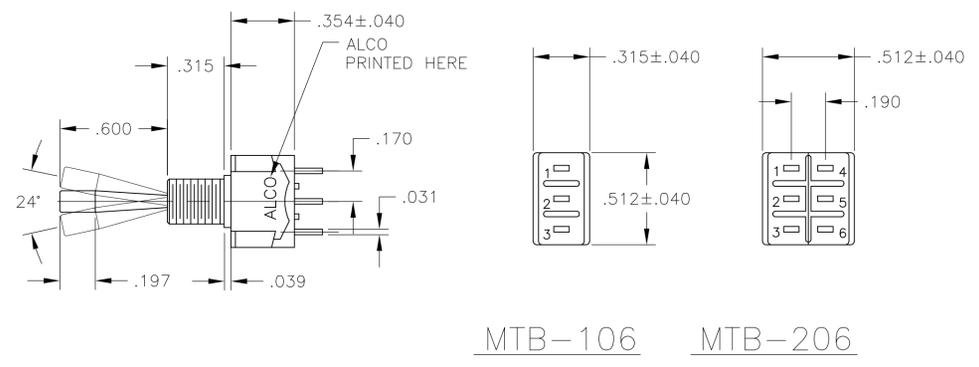
Part Number	Alco Model	Poles	Throws	Function	Terminal				Comments
6-1437558-7	MTB406N	4	2	ON ON	Wire lug	3 2 1 6 5 4 9 8 7 12 11 10	---	2-1, 5-4, 8-7, 11-10	
6-1437558-6	MTB306D	3	2	ON ON	Wire lug	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
6-1437558-5	MTB206P	2	2	ON OFF ON	Wire lug	2-3, 5-6	OFF	2-1, 5-4	
6-1437558-4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

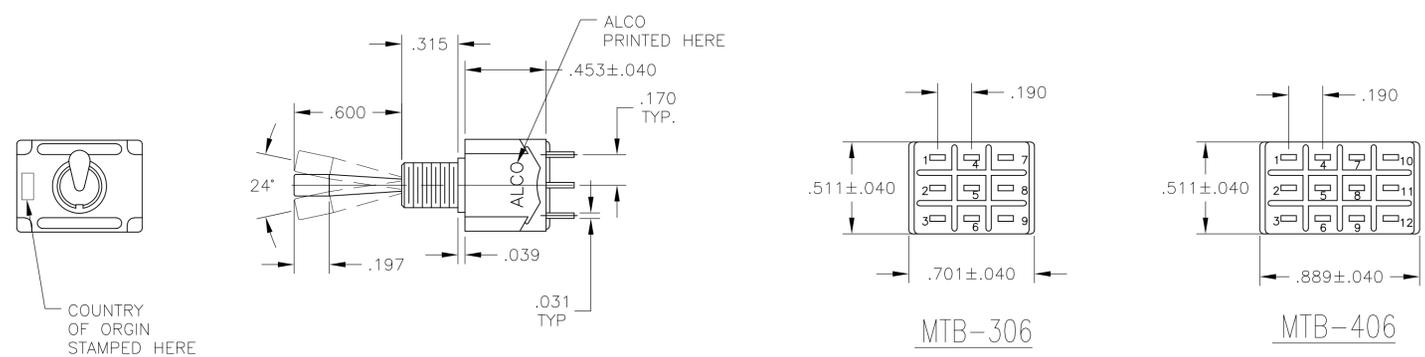
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN: M. BINNER	07APR04
0. PLC ± .005	1. PLC ± .005	CHK: M. ZITTO	07APR04
2. PLC ± .005	3. PLC ± .005	APPD: M. ZITTO	07APR04
4. PLC ± .005	ANGLES ± .5	NAME: TOGGLE SWITCH, MTB SERIES VERTICAL MOUNT	
MATERIAL: -	FINISH: -	SIZE: A1	CAGE CODE: 00779
CUSTOMER DRAWING		SCALE: 2:1	SHEET: 1 OF 3

STE TE Connectivity

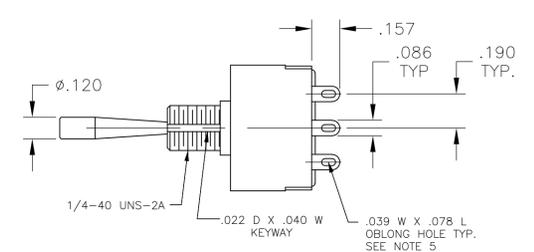
6-1437558-2



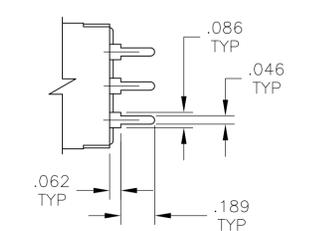
THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN M. BINNER 07APR04		TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:			
		0. PLC ± - 1. PLC ± - 2. PLC ± - 3. PLC ± .005 4. PLC ± - ANGLES ± -		NAME: TOGGLE SWITCH, MTB SERIES VERTICAL MOUNT APPLICATION SPEC: - SIZE: A1 CAGE CODE: 6-1437558-2 DRAWING NO: 00779	
MATERIAL: -		FINISH: -		WEIGHT: - SCALE: 1:1 SHEET: 2 OF 3 REV: C3	



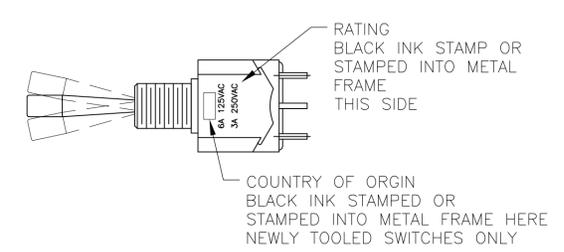
COUNTRY OF ORGIN STAMPED HERE EXISTING SWITCHES ONLY



WIRE LUG TERMINAL



PC TERMINAL



THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN M. BINNER 07APR04			
DIMENSIONS: INCHES		CHK M. ZITTO 07APR04			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. ZITTO 07APR04		NAME	
0. PLC ± -		PRODUCT SPEC		TOGGLE SWITCH, MTB SERIES VERTICAL MOUNT	
1. PLC ± -		APPLICATION SPEC		-	
2. PLC ± -		SIZE		A1	
3. PLC ± .005		CAGE CODE		6-1437558-2	
4. PLC ± -		DRAWING NO		000779	
ANGLES ± -		RESTRICTED TO		-	
MATERIAL		WEIGHT		CUSTOMER DRAWING	
FINISH		SCALE		1:1	
		SHEET		3 OF 3	
		REV		C3	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[MTB306D](#)