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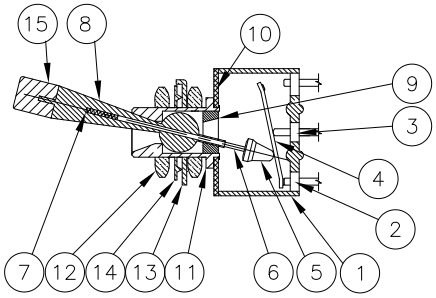
UOC	DIST
AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DRN	APVD
	C2	REVISED PER ECO-11-005556	07MAR11	PSK	MW

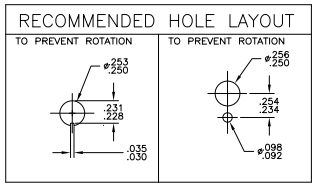
Materials			
No.	Component name	Base material	Finish
1	Housing	High Temp., UL 94V-0, green	
2	End terminal	silver clad copper alloy	5 microinches min. gold
3	Center terminal	copper alloy	5 microinches min. gold
4	Rocker contact	silver clad copper alloy	5 microinches min. gold
5	Actuator	Phenol resin,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

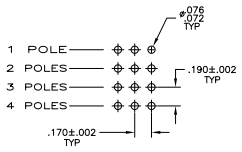


NOT TO SCALE

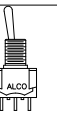
Specifications-see note 3				
Current rating UL & CSA	6A @ 125 VAC (resistive)			
	3A @ 250 VAC (resistive)			
	4A @ 28 VDC (resistive)			
Termination resistance	20 milliohms max @ 2-4 VDC, 1A			
Insulation resistance	1,000 megohms min.			
Withstanding voltage	1,000 VAC			
Travel	24 +/-6 degrees			
Actuation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





PC BOARD LAYOUT
PC TERMINAL ONLY

Part Number	Alco Model	Poles	Throws	Function	Terminal	3 2 1 6 5 4 9 8 7 12 11 10	3 2 1 6 5 4 9 8 7 12 11 10	 3 2 1 6 5 4 9 8 7 12 11 10	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	

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.

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DIMENSIONS: INCHES

TOLERANCE UNLESS OTHERWISE SPECIFIED: 0 PLC ± - ; 1 PLC ± - ; 2 PLC ± - ; 3 PLC ± .005 ; 4 PLC ± - ; ANGLES ± -

MATERIAL -

FINISH -

DWN M.BINNER 07MAR04
CHK M.ZITTO 07MAR04
APVD M.ZITTO 07MAR04
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME TOGGLE SWITCH, MTB SERIES VERTICAL MOUNT

SIZE A1 CAGE CODE 00779 DRAWING NO C-6-1437558-2 RESTRICTED TO -

CUSTOMER DRAWING SCALE 2:1 SHEET 1 OF 3 REV C2

4MOS (3/11)

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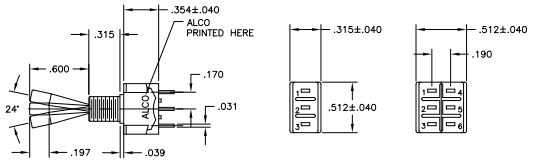
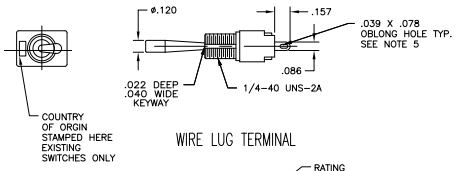
REVISIONS

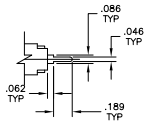
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



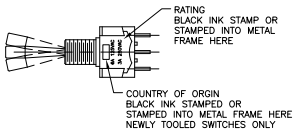
MTB-106 MTB-206



WIRE LUG TERMINAL



PC TERMINAL



THIS DRAWING IS A CONTROLLED DOCUMENT.	TITLE M.BINNER 07APR04	TE Connectivity	
DIMENSIONS: INCHES	DRAWN M.ZITTO 07APR04	NAME TOGGLE SWITCH, MTB SERIES VERTICAL MOUNT	
TOLERANCE UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 4 PLC ± - ANGLES ± -	APVD M.ZITTO 07APR04		
	PRODUCT SPEC —		
	APPLICATION SPEC —	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-6-1437558-2	RESTRICTED TO —
MATERIAL -	WEIGHT —		
FINISH -	CUSTOMER DRAWING	SCALE 1:1 / SHEET 2 OF 3	REV C2

4WCS (3/11)

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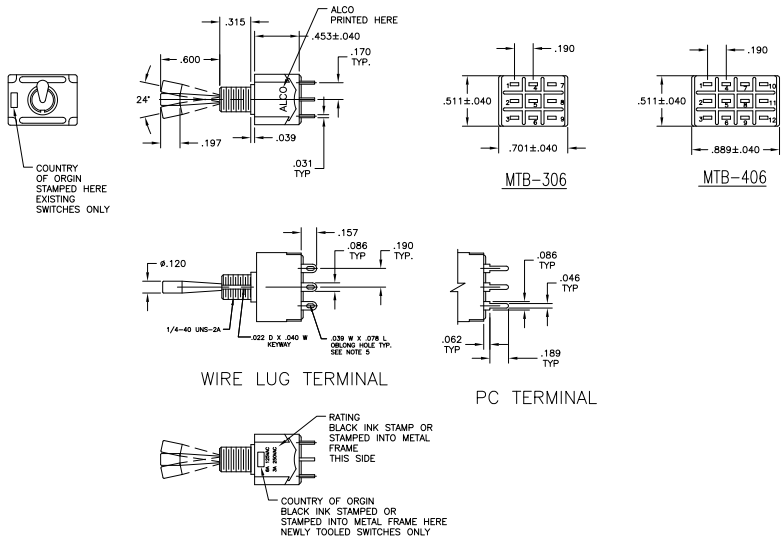
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCE UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± -.-
3 PLC ± .005
4 PLC ± -
ANGLES ± -

MATERIAL -

FINISH -

TITLE	M.BINNER	STAMPED
DWN	M.ZITTO	STAMPED
APVD	M.ZITTO	STAMPED
PRODUCT SPEC	—	
APPLICATION SPEC	—	
WEIGHT	—	

TE Connectivity

NAME: TOGGLE SWITCH, MTB SERIES VERTICAL MOUNT

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6-1437558-2	—

CUSTOMER DRAWING | SCALE 1:1 | SHEET 3 OF 3 | REV C2

4MCS (3/11)

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