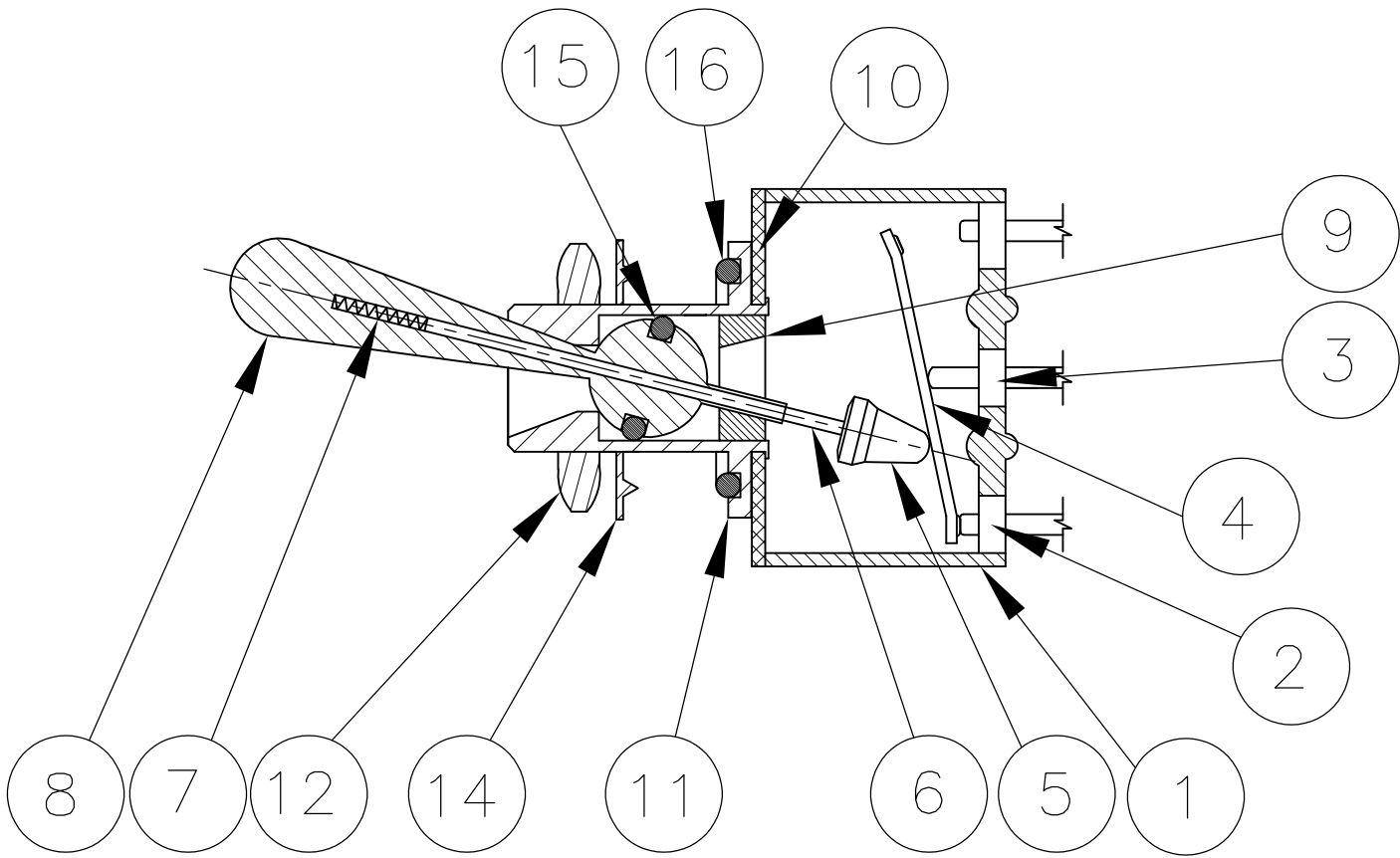


REVISIONS					
P	LTR	DESCRIPTION		DATE	DWN APVD
	C5	REVISED	PER ECR-16-005128	12APR2016	RS RH

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 nut (1)	brass	200 microinches min. bright nickel
14	Internal tooth lockwasher	steel	zinc or Nickel
15	O-Ring, toggle seal		
16	O-Ring, panel seal		

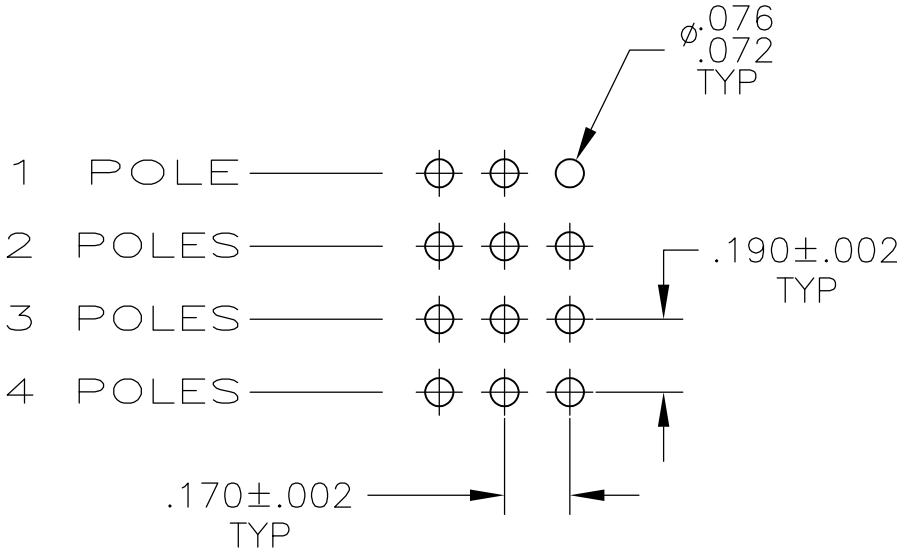
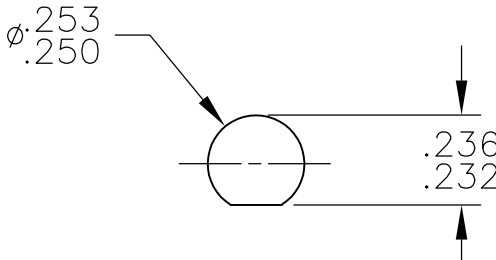


NOT TO SCALE

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

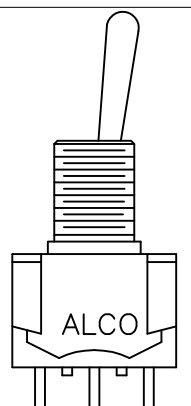
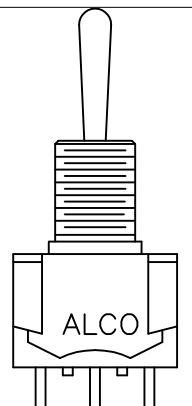
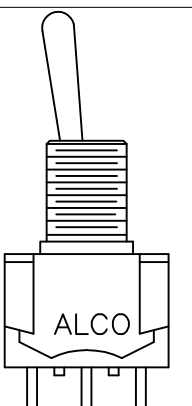
RECOMMENDED PANEL LAYOUT

TO PREVENT ROTATION



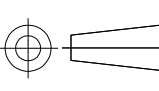
PC BOARD LAYOUT
PC TERMINAL ONLY

- NOTES:
- TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.
 - EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
 - (1) 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.
 - CUSTOMER INSTALLED EXTERNAL JUMPER BETWEEN TERMINALS 2 AND 4 REQUIRED FOR 1 POLE 3 THROW FUNCTION.
 - OBSOLETE
 - LASER MARKING USED FOR PARTS.

Part Number	Alco Model	Poles	Throws	Function	Terminal				Comments
8-1437558-1	MTE406P	4	2	ON OFF ON	Wire lug	2-3, 5-6, 8-9, 11-12	Off	2-1, 5-4, 8-7, 11-10	
8-1437558-0	MTE406N	4	2	ON ON	Wire lug	2-3, 5-6, 8-9, 11-12	---	2-1, 5-4, 8-7, 11-10	
7-1437558-9	MTE306E	3	2	ON OFF ON	Wire lug	2-3, 5-6, 8-9	Off	2-1, 5-4, 8-7	
7-1437558-8	MTE306D	3	2	ON ON	Wire lug	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
7-1437558-7	MTE206T	2	2	ON OFF(ON)	Wire lug	2-3, 5-6	OFF	2-1, 5-4	
7-1437558-6	MTE206S	2	2	(ON) OFF (ON)	Wire lug	2-3, 5-6	OFF	2-1, 5-4	
7-1437558-5	MTE206R	2	2	ON (ON)	Wire lug	2-3, 5-6	---	2-1, 5-4	
7-1437558-4	MTE206PA	1	3	ON ON ON	Wire lug	5-6	5-3	5-1	note 6
7-1437558-3	MTE206P	2	2	ON OFF ON	Wire lug	2-3, 5-6	OFF	2-1, 5-4	
7-1437558-2	MTE206N	2	2	ON ON	Wire lug	2-3, 5-6	---	2-1, 5-4	
7-1437558-1	MTE106G	1	2	(ON) OFF (ON)	Wire lug	2-3	OFF	2-1	
7-1437558-0	MTE106F	1	2	ON (ON)	Wire lug	2-3	---	2-1	
6-1437558-9	MTE106E	1	2	ON OFF ON	Wire lug	2-3	Off	2-1	
6-1437558-8	MTE106D	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	± .-

FINISH
-

DWN
M. BINNER

CHK
M. ZITTO

APVD
M. ZITTO

PRODUCT SPEC

APPLICATION SPEC

WEIGHT
0

CUSTOMER DRAWING

08APR04

08APR04

08APR04

NAME

SIZE
A1

CAGE CODE

DRAWING NO
00779

RESTRICTED TO
-

 TE Connectivity

TOGGLE SWITCH, MTE SERIES
VERTICAL MOUNT
-

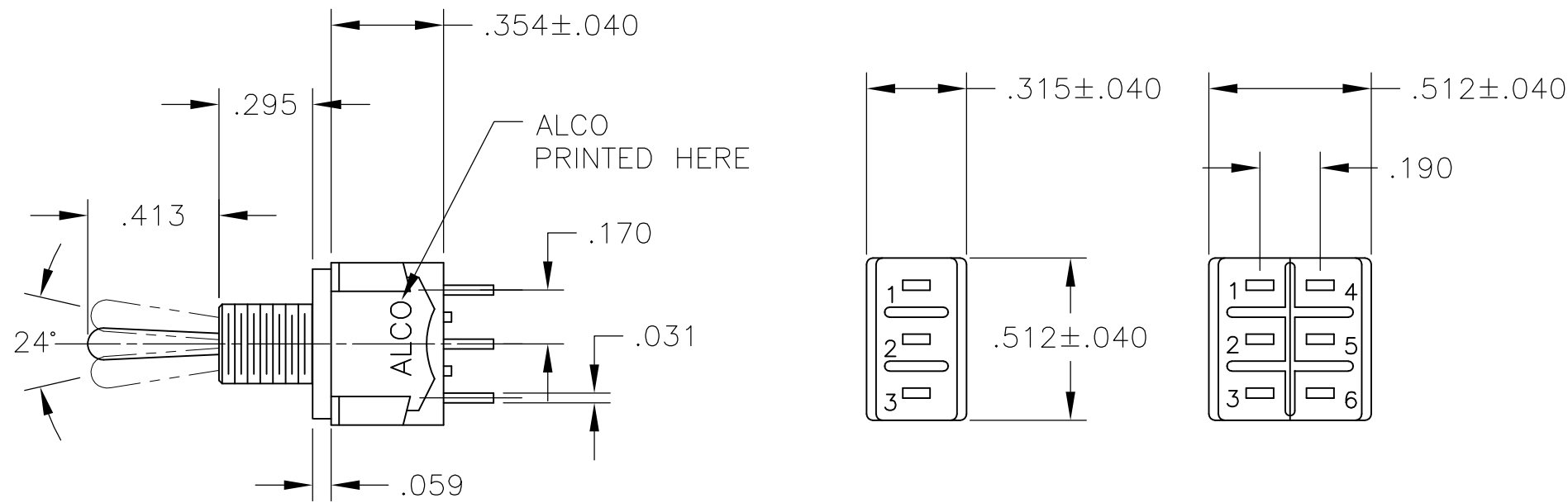
6-1437558-8

SCALE
2:1

SHEET
1 OF 3

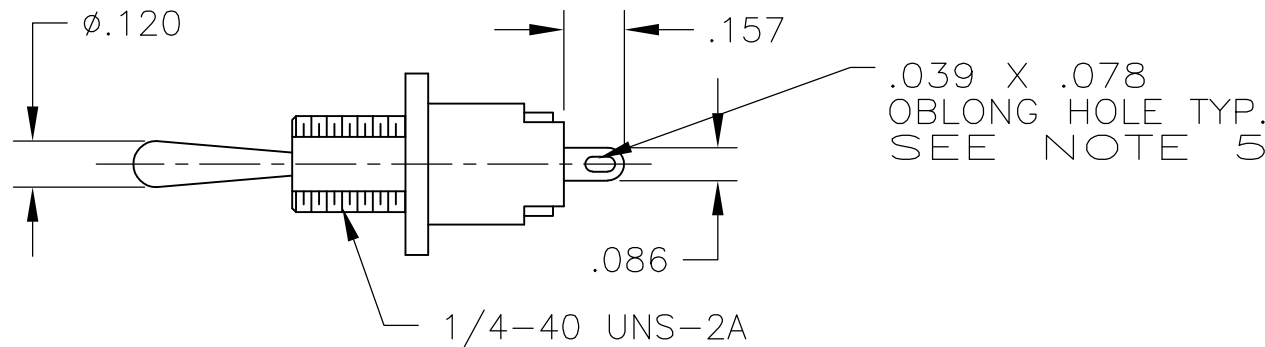
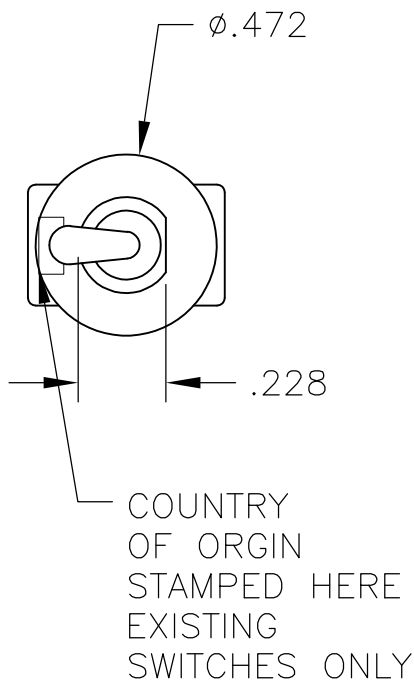
REV
C5

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—	SEE SHEET 1	—	—	—

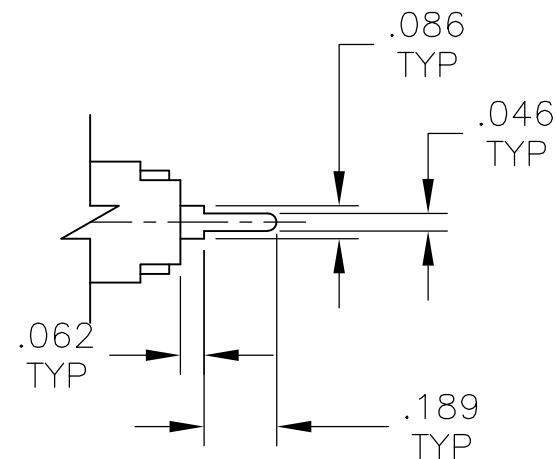
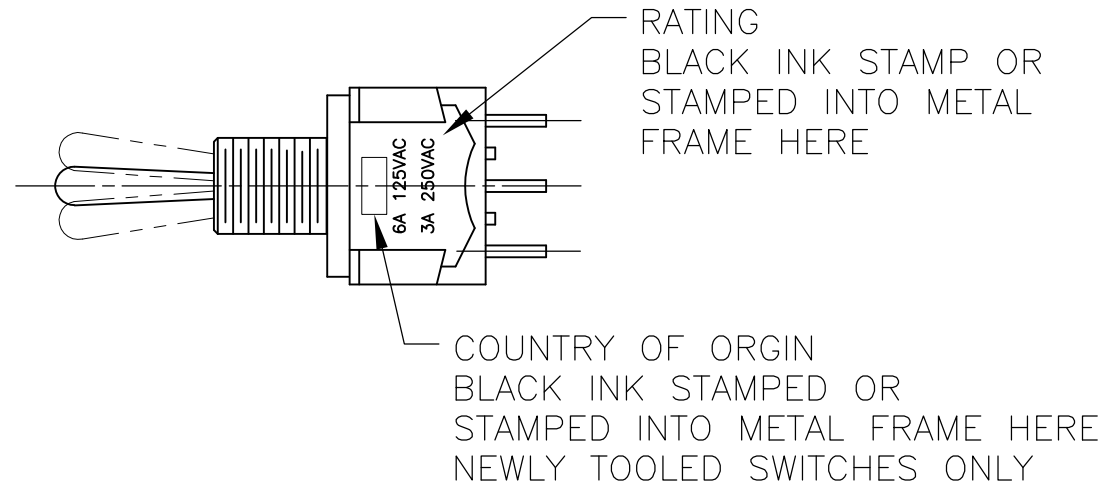


MTE-106

MTE-206



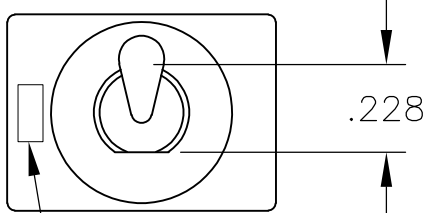
WIRE LUG TERMINAL



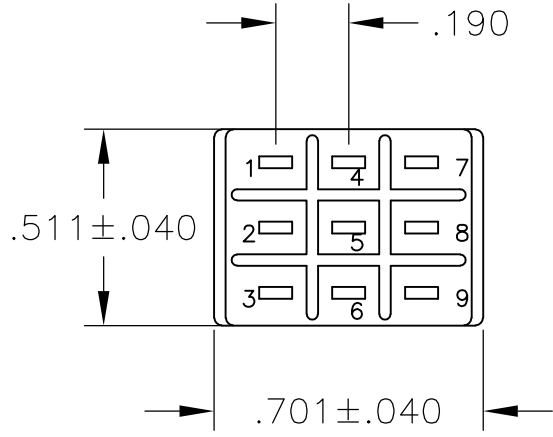
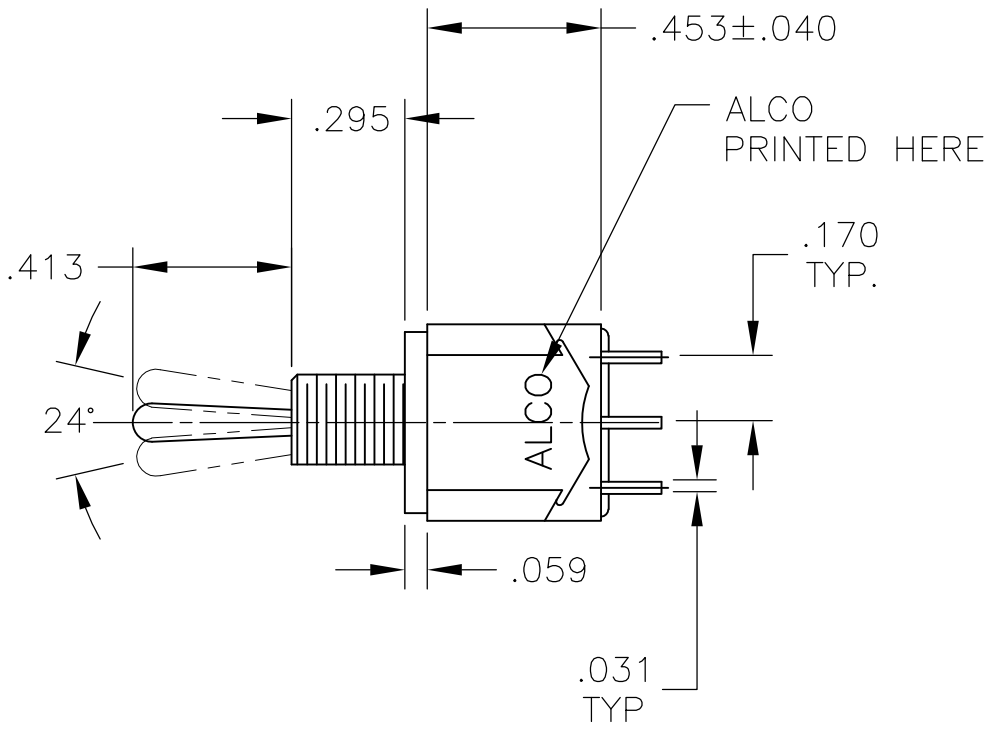
PC TERMINAL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER CHK M. ZITTO APVD M. ZITTO	08APR04 08APR04 08APR04	TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
0. PLC ± .005		1. PLC ± .005		TOGGLE SWITCH, MTE SERIES	
2. PLC ± .005		3. PLC ± .005		VERTICAL MOUNT	
4. PLC ± .005		5. PLC ± .005		—	
MATERIAL		FINISH		SIZE	
—		—		A1 00779	
CUSTOMER DRAWING		WEIGHT		DRAWING NO	
—		—		6-1437558-8	
SCALE		SHEET		RESTRICTED TO	
2:1		2 OF 3		—	
REV		C5			

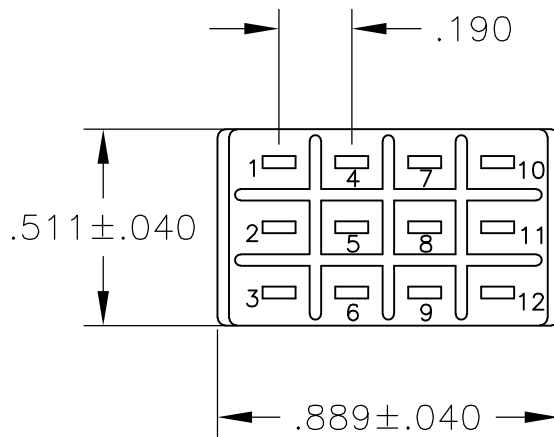
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—	SEE SHEET 1	—	—	—



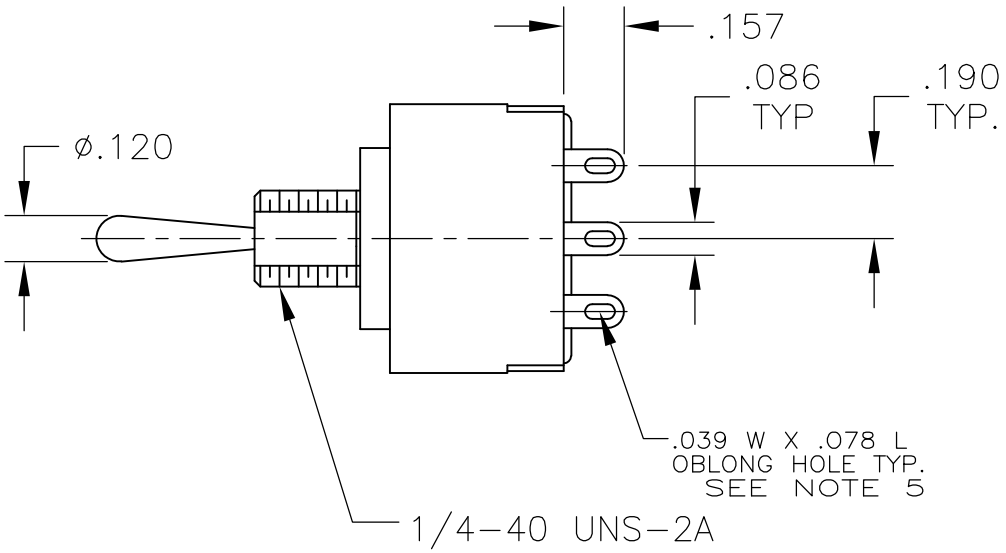
COUNTRY OF ORGIN
STAMPED HERE
EXISTING
SWITCHES ONLY



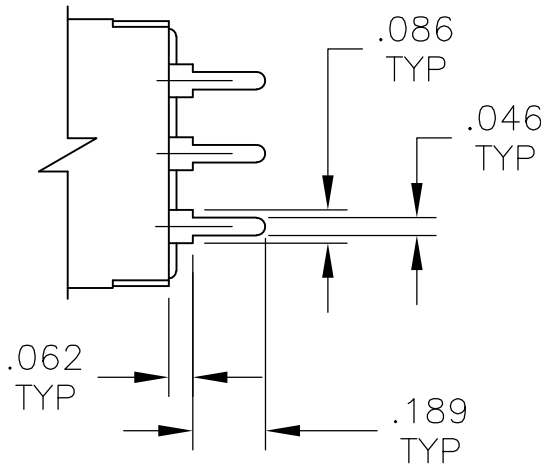
MTE-306



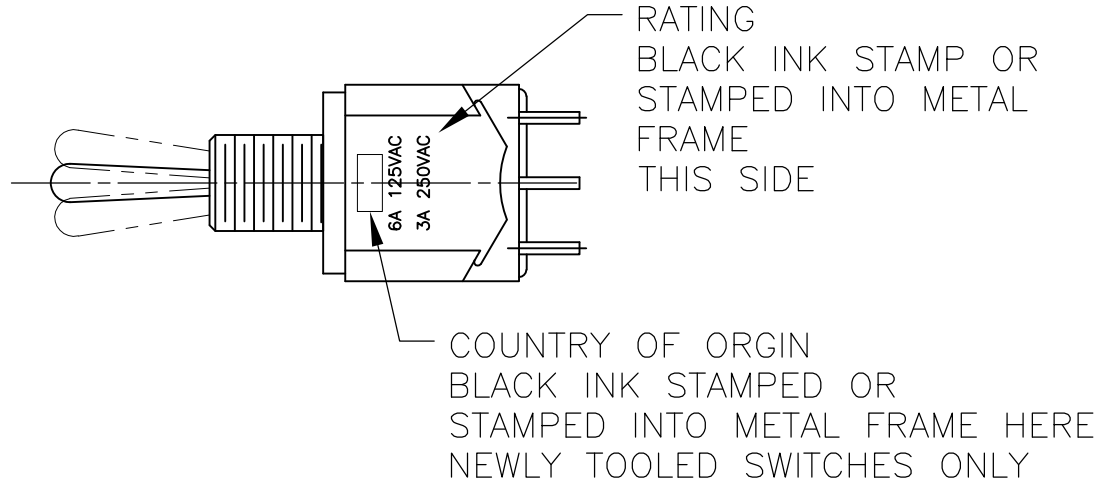
MTE-406



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	TOGGLE SWITCH, MTE SERIES VERTICAL MOUNT —	
	0. PLC ± —	PRODUCT SPEC	SIZE	CAGE CODE	DRAWING NO A1 00779 C6-1437558-8
	1. PLC ± —	APPLICATION SPEC			
	2. PLC ± .005				
	4. PLC ± —				
MATERIAL	FINISH	WEIGHT	RESTRICTED TO		
—	—	—	—		
CUSTOMER DRAWING			SCALE	2:1	SHEET 3 OF 3
			REV	C5	