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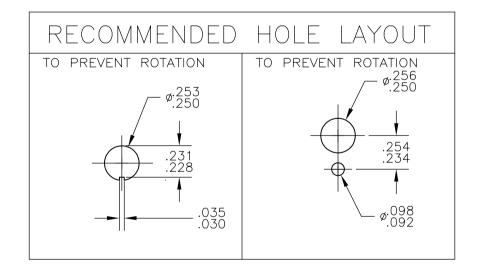
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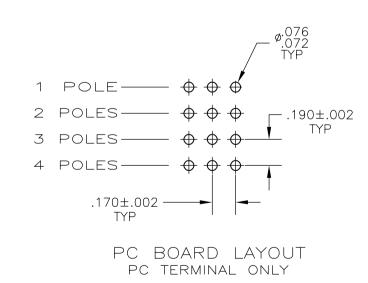
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		Materials	
No.	Component name	Base material	Finish
1	Housing	High Temp., UL 94V-0, green	
2	End terminal	silver clad copper alloy	5 microinches min. gold
3	Center terminal	copper alloy	5 microinches min. gold
4	Rocker contact	silver clad copper alloy	5 microinches min. gold
5	Actuator	Phenol resin, UL94 HB, black	
6	Plunger	stainless steel	
7	Spring	music wire	
8	Lever	brass	chrome or nickel
9	Retainer	Polyamide, UL94 HB, black	
10	Frame	cold rolled steel	zinc or nickel
1 1	Bushing	brass	100 microinches min. nickel over 10 microinches min. coppe
12	Mounting nuts (2)	brass	200 microinches min. bright nickel
1.3	Locating ring	cold rolled steel	zinc or nickel
14	Internal tooth lockwasher	steel	zinc or nickel
15	Upper toggle cap	Aluminum	matte
16	Lower toggle cap	Aluminum	matte
17	Retaining pin	steel	

	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





1 TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.

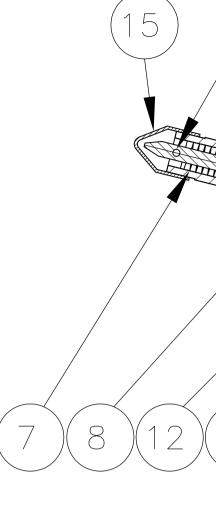
2 EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE: (2) 1/4-40 UNS-2B HEX NUTS (1) INTERNAL TOOTH LOCKWASHER (1) LOCATING RING

SUPERCEDED BY 6

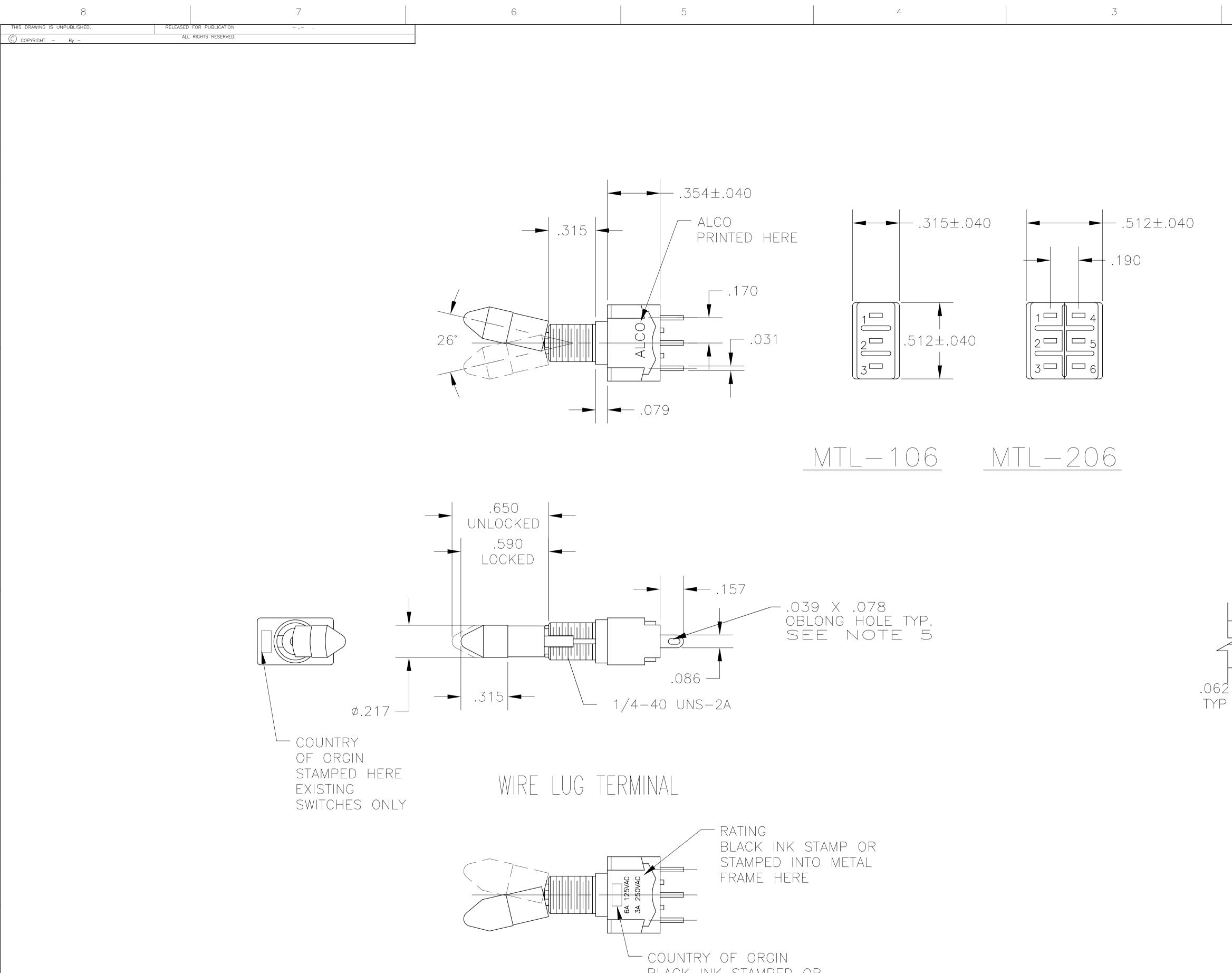
- 5 WIRE LUG CONTACTS WILL ACCEPT 2 #20 AWG SOLID OR STRANDED WIRES.
- 6 CUSTOMER INSTALLED EXTERNAL JUMPER BETWEEN TERMINALS 2 AND 4 REQUIRED FOR 1 POLE 3 THROW FUNCT
- 7 CUSTOMER INSTALLED EXTERNAL JUMPERS BETWEEN TERMINALS 2 AND 4 AS WELL AS 8 AND 10 REQUIRED FOR
- 8 OBSOLETE
- 9 LASER MARKING USED FOR PARTS.

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Id						(15)	(17)(16)	(10)		
ld Id									9	
nickel over 10	microinches m	nin. copper							3	
bright nickel										
						7 8 12 1	4 (13 (11)	6)(5)(1)	
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n 3 Position 00 100,000 00 60,000 00 60,000	0 60,0 0 60,0	000								
	Part Number	Alco Model	Poles Throws	Function	Terminal					Comments
						$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3 2 1 6 5 4 9 8 7 12 1 1 10		3 2 1 6 5 4 9 8 7 12 1 1 10	
8	4-1437559-5 4-1437559-4	MTL406PA	2 3 4 2	ON ON ON ON ON	Wire lug Wire lug	5-6, 11-12 2-3, 5-6, 8-9, 11-12	5-3, 11-9	2-1	5-1, 11-7 , 5-4, 8-7, 11-10	note 7
	4-1437559-3 4-1437559-2		3 2 3 2	ON OFF ON ON ON ON	Wire lug Wire lug	$\begin{array}{c} 2-3, \ 5-6, \ 8-9\\ 2-3, \ 5-6, \ 8-9\end{array}$	Off 		$\begin{array}{r} , & 5 & -4, & 6 & 7, & 11 & 10 \\ \hline 2 & -1, & 5 & -4, & 8 & -7 \\ \hline 2 & -1, & 5 & -4, & 8 & -7 \end{array}$	
	4-1437559-1		2 2	(ON) OFF (ON)	Wire lug Wire lug	2-3, 5-6 5-6	Off		2-1, 5-4	
~	3-1437559-9		1 3 2 2	ON ON ON ON OFF ON	Wire lug	2-3, 5-6	5-3 Off		5-1 2-1, 5-4	note 6
8	3-1437559-8 3-1437559-7	MTL206NPC	2 2 2 2	ON ON ON ON	PC Wire lug	$\begin{array}{c} 2-3, 5-6\\ 2-3, 5-6\end{array}$			2-1, 5-4 2-1, 5-4	
6-1437558-9	3-1437559-6 3-1437559-5	MTL106EUL	1 2 1 2	ON OFF ON	Wire lug Wire lug	2-3 2-3	Off Off		<u>2-1</u> 2-1	
	3-1437559-5		1 2	ON OFF ON ON ON	Wire lug	2-3			2-1	
NCTION.						THIS DRAWING IS A CO	ONTROLLED DOCUMENT. DWN M.BINNEF CHK TOLERANCES UNLESS	29DEC03		Connectivity
OR 2 POLE 3 THR	OW FUNCTION.					INCHES	OTHERWISE SPECIFIED: APVD M.ZITTO O PLC ± - PRODUCT SPEC 1 PLC ± -		name Toggle switch,Mtl Vertical mou -	
							2 PLC ±		- size cage code drawing no A 1 00779 C- 3-1437559	RESTRICTED TO
							-	- R DRAWING	A 00779 G 3- 1437559 Scale 1:1	



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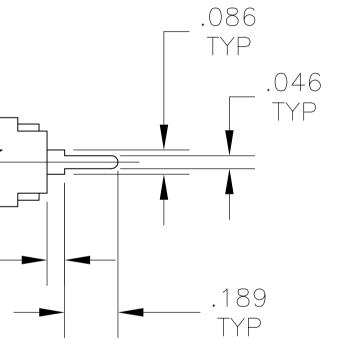
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BLACK INK STAMPED OR STAMPED INTO METAL FRAME HERE NEWLY TOOLED SWITCHES ONLY

> THIS DRAWING IS A DIMENSIONS: INCHES \bigcirc MATERIAL _

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				REVISIONS				
AD	00	P LTR		DESCRIPTION		DATE	DWN	APVD
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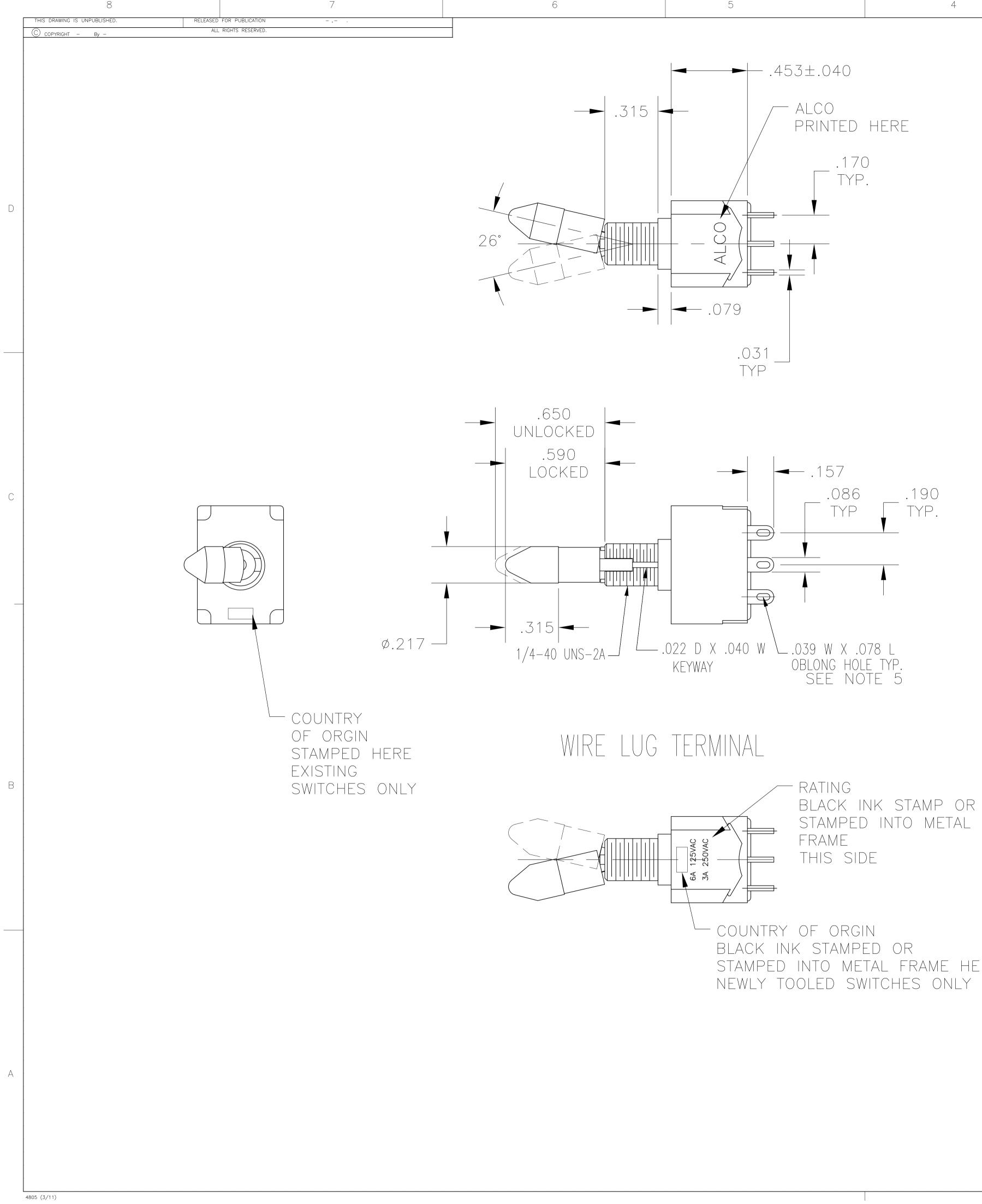


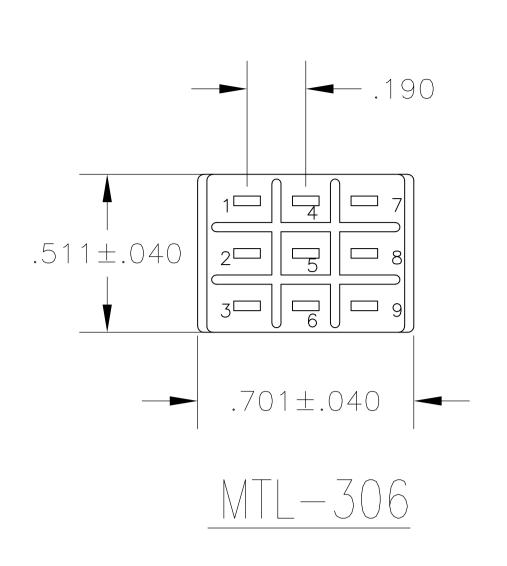
PC TERMINAL

CC	NTROLLED DOCUMENT.	DWN 29DECO3	5	_						
		M.BINNER	_		5 TE	TE	Conn	ectivity	/	
		CHK 29DECO3	5					000000		
	TOLERANCES UNLESS	M.ZITTO								
	OTHERWISE SPECIFIED:	APVD 29DEC03	3 NAME							
		M.ZITTO		-	TOGGLE :	SWITCH,MTL	SERI	ES		
	0 PLC ± -	PRODUCT SPEC				,				
	1 PLC ± _				VE	RTICAL MOU	JNT			
	2 PLC ± -					_				
	3 PLC ± .005	APPLICATION SPEC								
	4 PLC ± -		SIZE	CAGE CODE	DRAWING NO				RESTRICTED	TO
	ANGLES ± -	—			_					
	FINISH	WEIGHT	TA 1	00779	C- 3-	1437559	-7		_	
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		CUSTOMER DRAWING				scale 1:1	SHEET	2 ^{of} 3	3 REV	5

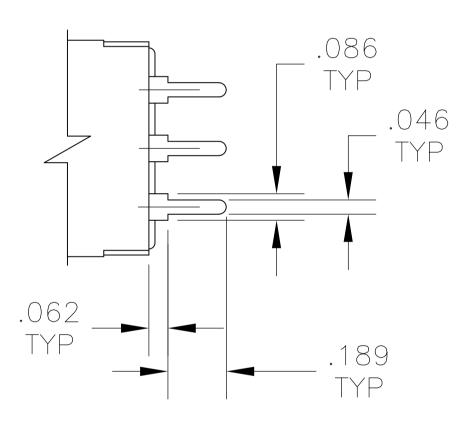
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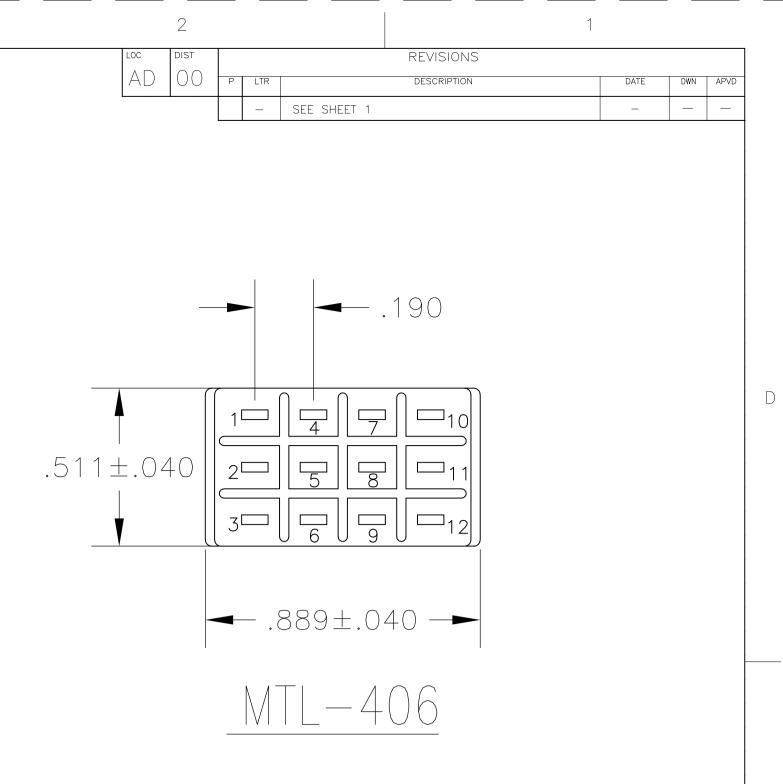
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PC TERMINAL

STAMPED INTO METAL FRAME HERE

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONS: INCHES \bigcirc 1ATERIAL _



20	ONTROLLED DOCUMENT.	dwn 29deco3 M.BINNER	TE Connectivity
		снк 29Deco3 M.ZITTO	TE Connectivity
	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD 29DEC03 M.ZITTO	NAME TOGGLE SWITCH,MTL SERIES
_	0 PLC ± - 1 PLC ± -	PRODUCT SPEC	VERTICAL MOUNT
]	2 PLC ± - 3 PLC ± .005	APPLICATION SPEC	
	4 PLC ± – ANGLES ± –	_	SIZE CAGE CODE DRAWING NO
	FINISH –	WEIGHT	A100779 C - $3-1437559-7$ -
		CUSTOMER DRAWING	SCALE 1:1 SHEET 3 SF 3 REV D.5

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TE Connectivity: MTL406N