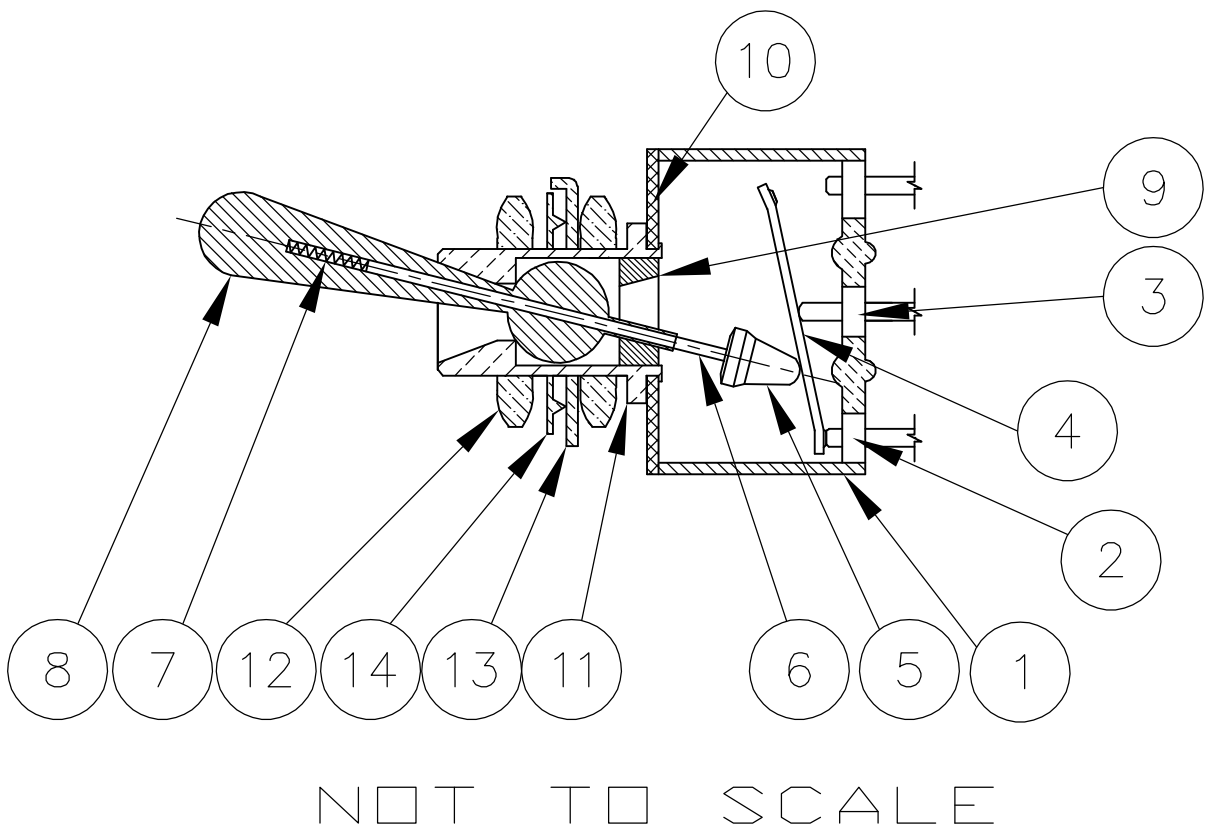


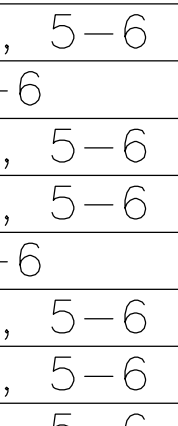
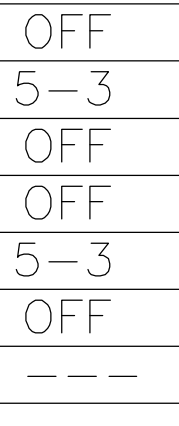
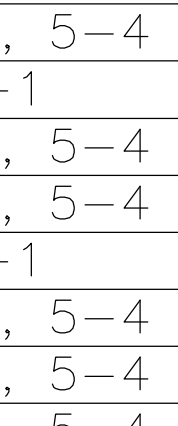
THIS DRAWING IS UNPUBLISHED.	RELEASED FOR PUBLICATION	- . -
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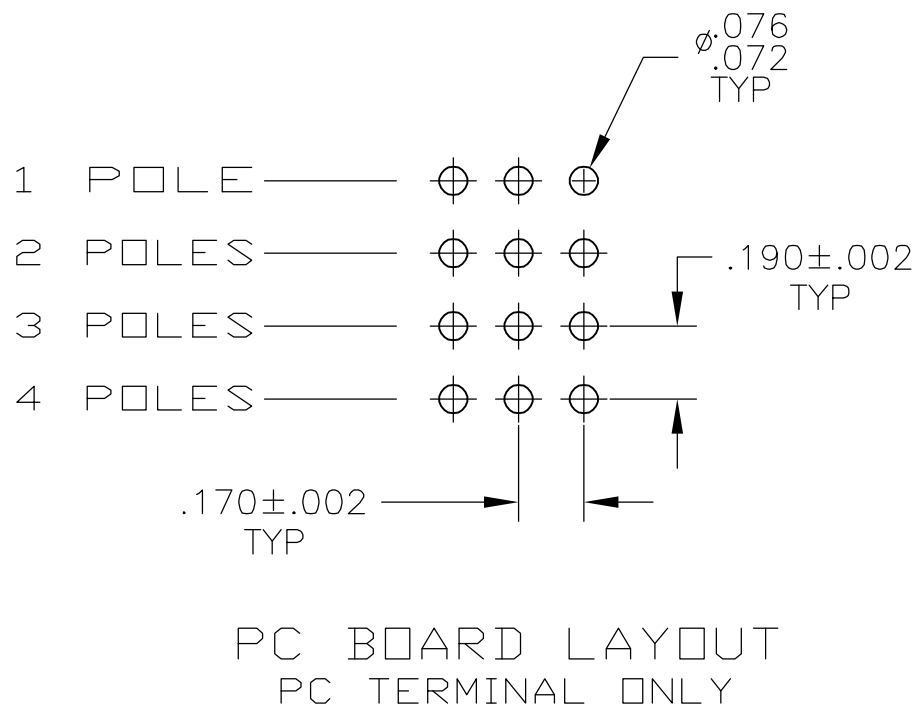
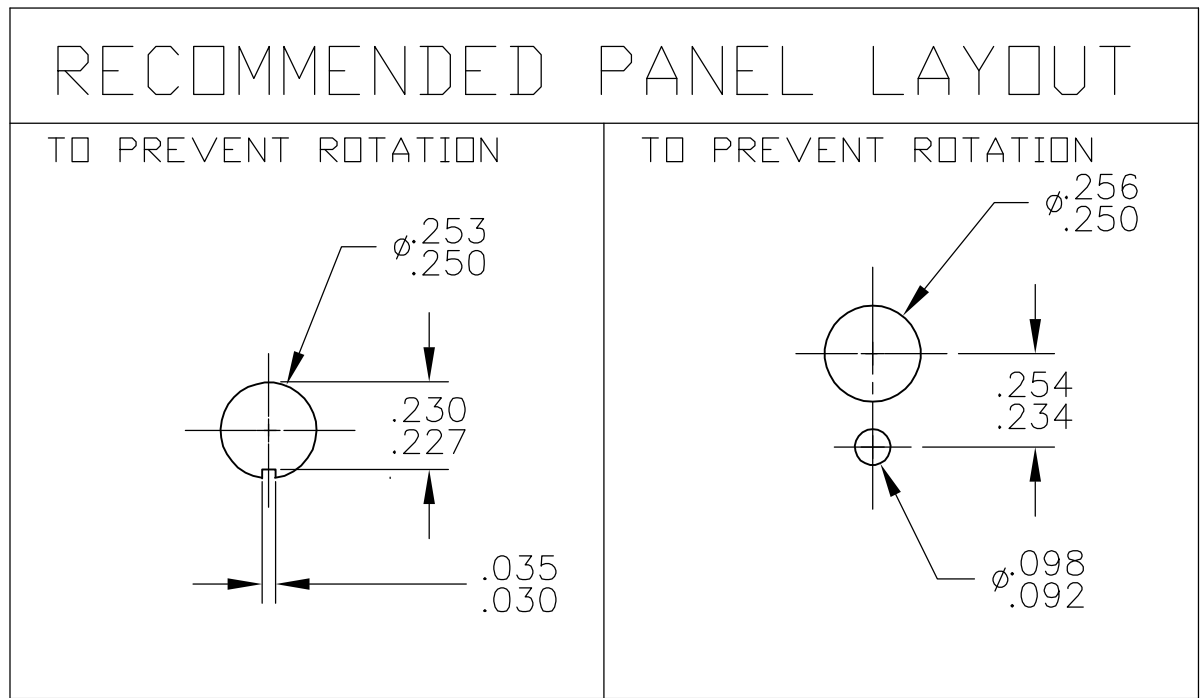
LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			D	0G3C-0171-05	29NOV05	RB	MZ

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



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

Tyco Part Number	Alco Model	Poles	Throws	Function	Terminal				Comments
4-1437558-8	MTA406PPC	4	2	ON OFF ON	PC	2-3, 5-6, 8-9, 11-12	Off	2-1, 5-4, 8-7, 11-10	
4-1437558-7	MTA406PAPC	2	3	ON ON ON	PC	5-6, 11-12	5-3, 11-9	5-1, 11-7	note 7
4-1437558-6	MTA406PA	2	3	ON ON ON	Wire lug	5-6, 11-12	5-3, 11-9	5-1, 11-7	note 7
4-1437558-5	MTA406P	4	2	ON OFF ON	Wire lug	2-3, 5-6, 8-9, 11-12	Off	2-1, 5-4, 8-7, 11-10	
4-1437558-4	MTA406NPC	4	2	ON ON	PC	2-3, 5-6, 8-9, 11-12	---	2-1, 5-4, 8-7, 11-10	
4-1437558-3	MTA406N	4	2	ON ON	Wire lug	2-3, 5-6, 8-9, 11-12	---	2-1, 5-4, 8-7, 11-10	
4-1437558-2	MTA306HPC	3	2	ON OFF(ON)	PC	2-3, 5-6, 8-9	Off	2-1, 5-4, 8-7	
4-1437558-1	MTA306H	3	2	ON OFF(ON)	Wire lug	2-3, 5-6, 8-9	Off	2-1, 5-4, 8-7	
4-1437558-0	MTA306FPC	3	2	ON (ON)	PC	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
3-1437558-9	MTA306F	3	2	ON (ON)	Wire lug	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
3-1437558-8	MTA306EPC	3	2	ON OFF ON	PC	2-3, 5-6, 8-9	Off	2-1, 5-4, 8-7	
3-1437558-7	MTA306E	3	2	ON OFF ON	Wire lug	2-3, 5-6, 8-9	Off	2-1, 5-4, 8-7	
3-1437558-6	MTA306DPC	3	2	ON ON	PC	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
3-1437558-5	MTA306D	3	2	ON ON	Wire lug	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
3-1437558-4	MTA206TPC	2	2	ON OFF(ON)	PC	2-3, 5-6	OFF	2-1, 5-4	
3-1437558-3	MTA206TA	1	3	ON ON (ON)	Wire lug	5-6	5-3	5-1	note 6
3-1437558-2	MTA206T	2	2	ON OFF(ON)	Wire lug	2-3, 5-6	OFF	2-1, 5-4	
3-1437558-1	MTA206SPC	2	2	(ON) OFF (ON)	PC	2-3, 5-6	OFF	2-1, 5-4	
3-1437558-0	MTA206SA	1	3	(ON) ON (ON)	Wire lug	5-6	5-3	5-1	note 6
2-1437558-9	MTA206S	2	2	(ON) OFF (ON)	Wire lug	2-3, 5-6	OFF	2-1, 5-4	
2-1437558-8	MTA206RPC	2	2	ON (ON)	PC	2-3, 5-6	---	2-1, 5-4	
2-1437558-7	MTA206R	2	2	ON (ON)	Wire lug	2-3, 5-6	---	2-1, 5-4	
2-1437558-5	MTA206PPC	2	2	ON OFF ON	PC	2-3, 5-6	OFF	2-1, 5-4	
2-1437558-4	MTA206PAPC	1	3	ON ON ON	PC	5-6	5-3	5-1	note 6
2-1437558-3	MTA206PA	1	3	ON ON ON	Wire lug	5-6	5-3	5-1	note 6
2-1437558-2	MTA206P	2	2	ON OFF ON	Wire lug	2-3, 5-6	OFF	2-1, 5-4	
2-1437558-1	MTA206NPC	2	2	ON ON	PC	2-3, 5-6	---	2-1, 5-4	
2-1437558-0	MTA206N	2	2	ON ON	Wire lug	2-3, 5-6	---	2-1, 5-4	
1-1437558-9	MTA106HPC	1	2	ON OFF(ON)	PC	2-3	OFF	2-1	
1-1437558-8	MTA106H	1	2	ON OFF(ON)	Wire lug	2-3	OFF	2-1	
1-1437558-7	MTA106GPC	1	2	(ON) OFF (ON)	PC	2-3	OFF	2-1	
1-1437558-6	MTA106G	1	2	(ON) OFF (ON)	Wire lug	2-3	OFF	2-1	
1-1437558-5	MTA106FPC	1	2	ON (ON)	PC	2-3	---	2-1	
1-1437558-4	MTA106F	1	2	ON (ON)	Wire lug	2-3	---	2-1	
1-1437558-3	MTA106EPC	1	2	ON OFF ON	PC	2-3	Off	2-1	
1-1437558-2	MTA106E	1	2	ON OFF ON	Wire lug	2-3	Off	2-1	
1-1437558-1	MTA106DPC	1	2	ON ON	PC	2-3	---	2-1	
1571616-1	MTA106DUL	1	2	ON ON	Wire lug	2-3	---	2-1	
1-1437558-0	MTA106D	1	2	ON ON	Wire lug	2-3	---	2-1	



- NOTES:

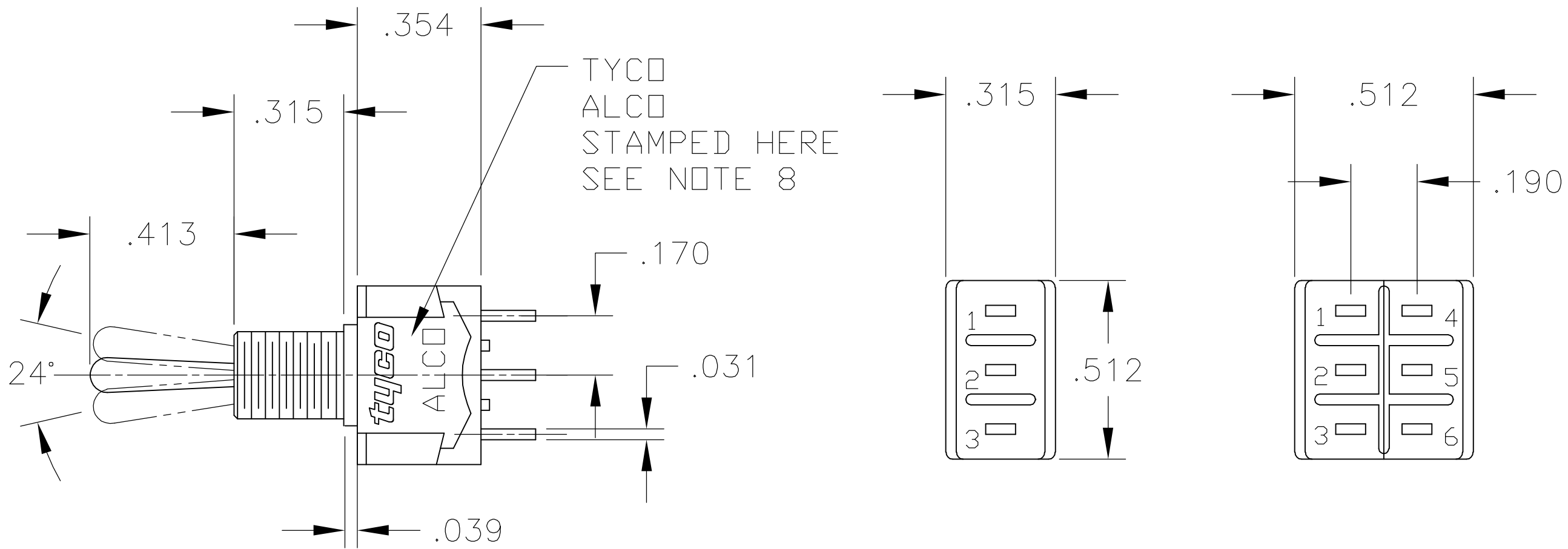
 1. TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.
 2. EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:

1-1437558-2	N
1-1437558-1	N
1571616-1	N
1-1437558-0	N

 - (2) 1/4-40 UNS-2B HEX NUTS
 - (1) INTERNAL TOOTH LOCKWASHER
 - (1) LOCATING RING
 3. NEWLY TOOLED SWITCHES TESTED TO AND MEET THE REQUIREMENTS OF UL 1054, SPECIAL USE SWITCHES
NEWLY TOOLED SWITCHES WILL ALSO BE TESTED TO AND MEET TYCO 102-2469 REV 0, MINIATURE SWITCH QUALIFICATION REQUIREMENTS.
 4. NEWLY TOOLED SWITCHES ARE UL RECOGNIZED AND CSA CERTIFIED CONSULT FACTORY FOR UL/CSA INFORMATION ON EXISTING SWITCHES.
 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 FUNCTION.
 7. CUSTOMER INSTALLED EXTERNAL JUMPERS BETWEEN TERMINALS 2 AND 4 AS WELL AS 8 AND 10 REQUIRED FOR 2 POLE 3 THROW FUNCTION.
 8. ALL NEWLY TOOLED SWITCHES ARE MARKED TYCO WITH ALCO BENEATH TYCO AS SHOWN. ALL EXISTING SWITCHES
DO NOT INCLUDE THE TYCO LOGO. MARKINGS MAY BE BLACK INK STAMPED OR STAMPED INTO METAL FRAME.

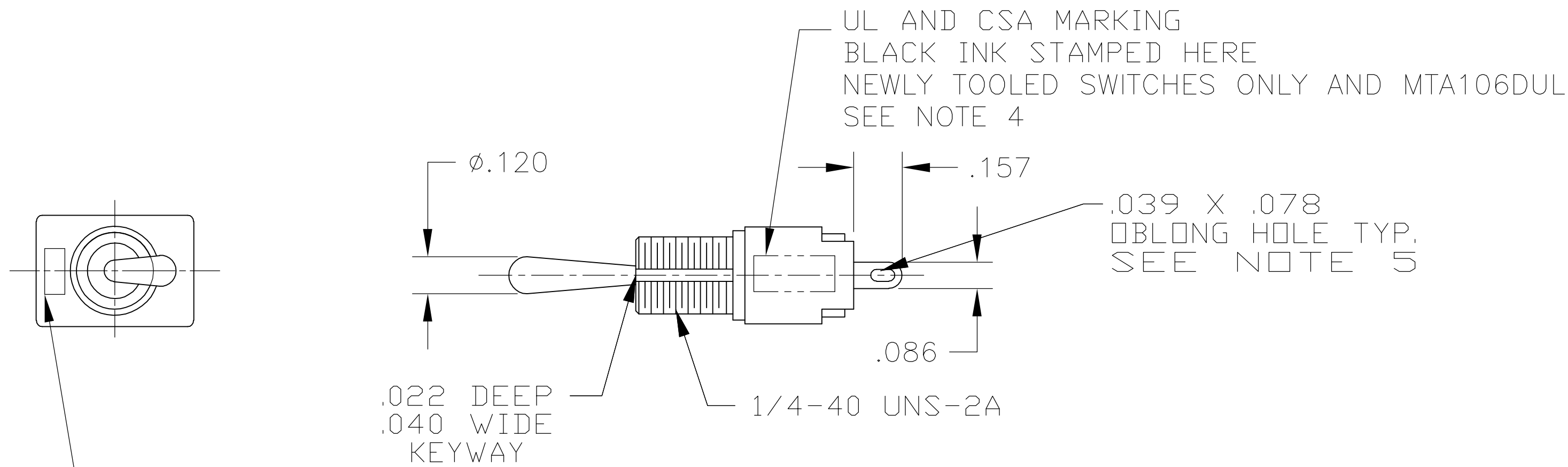
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. M.BINNER 290CE003 CHK. M.ZITTO 290CE003 APP'D. M.ZITTO 290CE003		tyco <i>Electronics</i> Tyco Electronics Corporation Harrisburg, PA	
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME TOGGLE SWITCH, MTA SERIES VERTICAL MOUNT —	
		0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± .005 4 PLC ± — ANGLES ± — FINISH —		PRODUCT SPEC APPLICATION SPEC WEIGHT —	
MATERIAL —		CUSTOMER DRAWING		SIZE CAGE CODE DRAWING NO. A1 00779 C 1-1437558-0	
				RESTRICTED TO — SCALE 2:1 SHEET 1 OF 3 REV D	

LOC	DIST	REVISIONS				
AD	00	P	LTR	DESCRIPTION	DATE	DWN
				SEE SHEET 1		

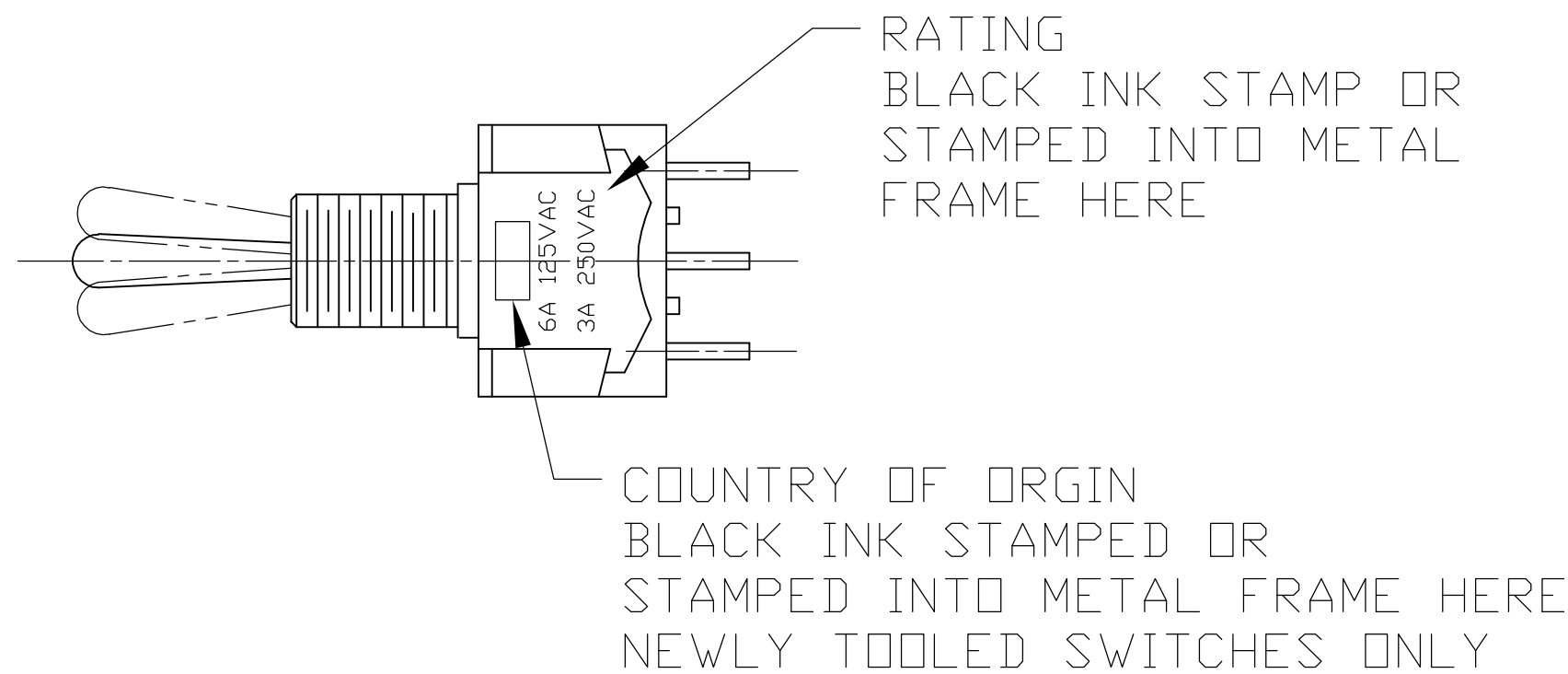


MTA-106

MTA-206



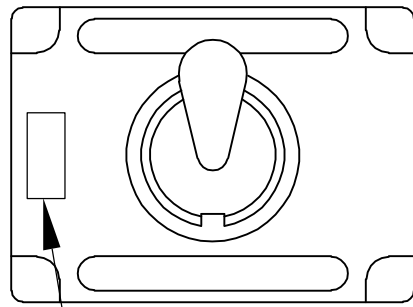
WIRE LUG TERMINAL



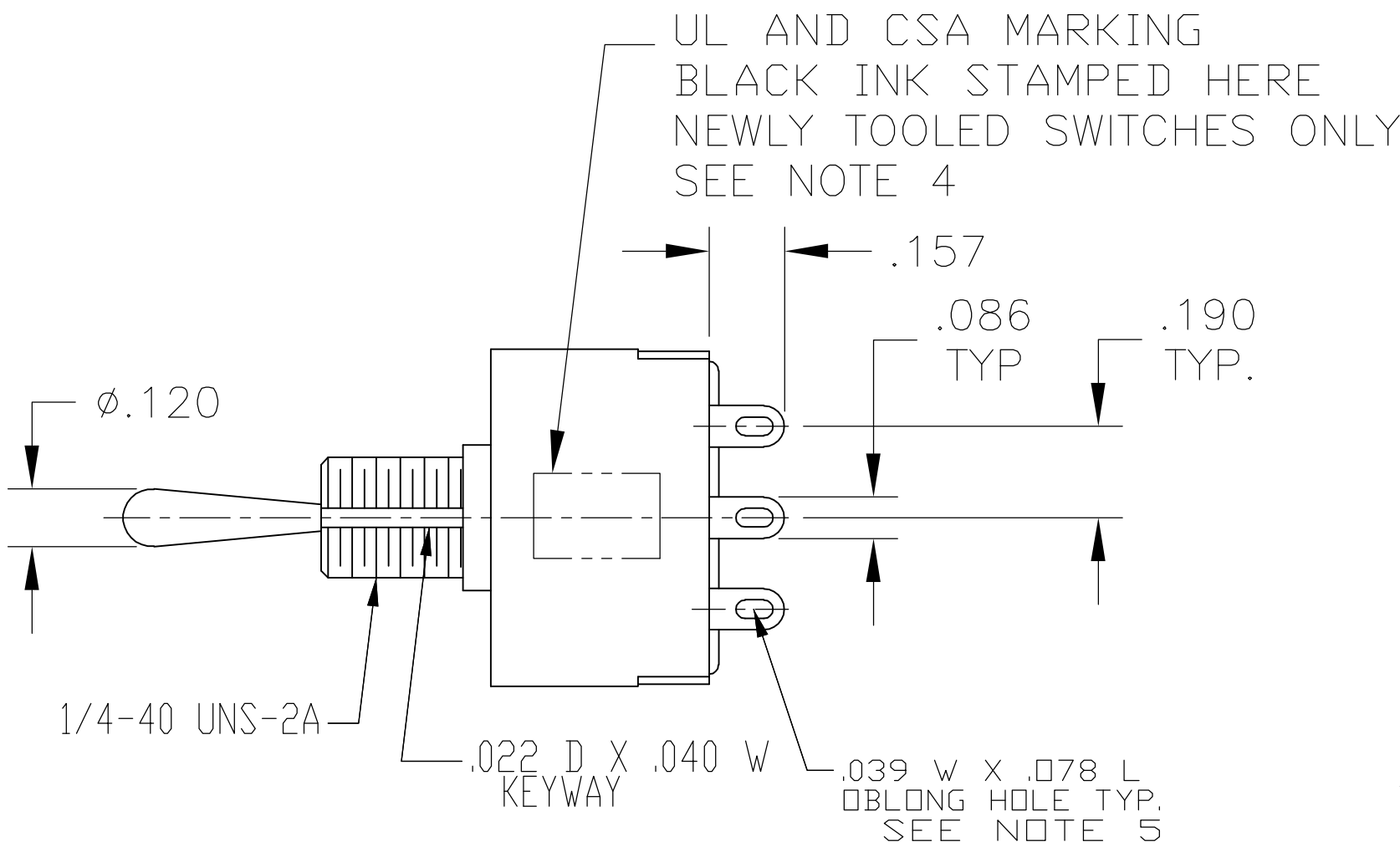
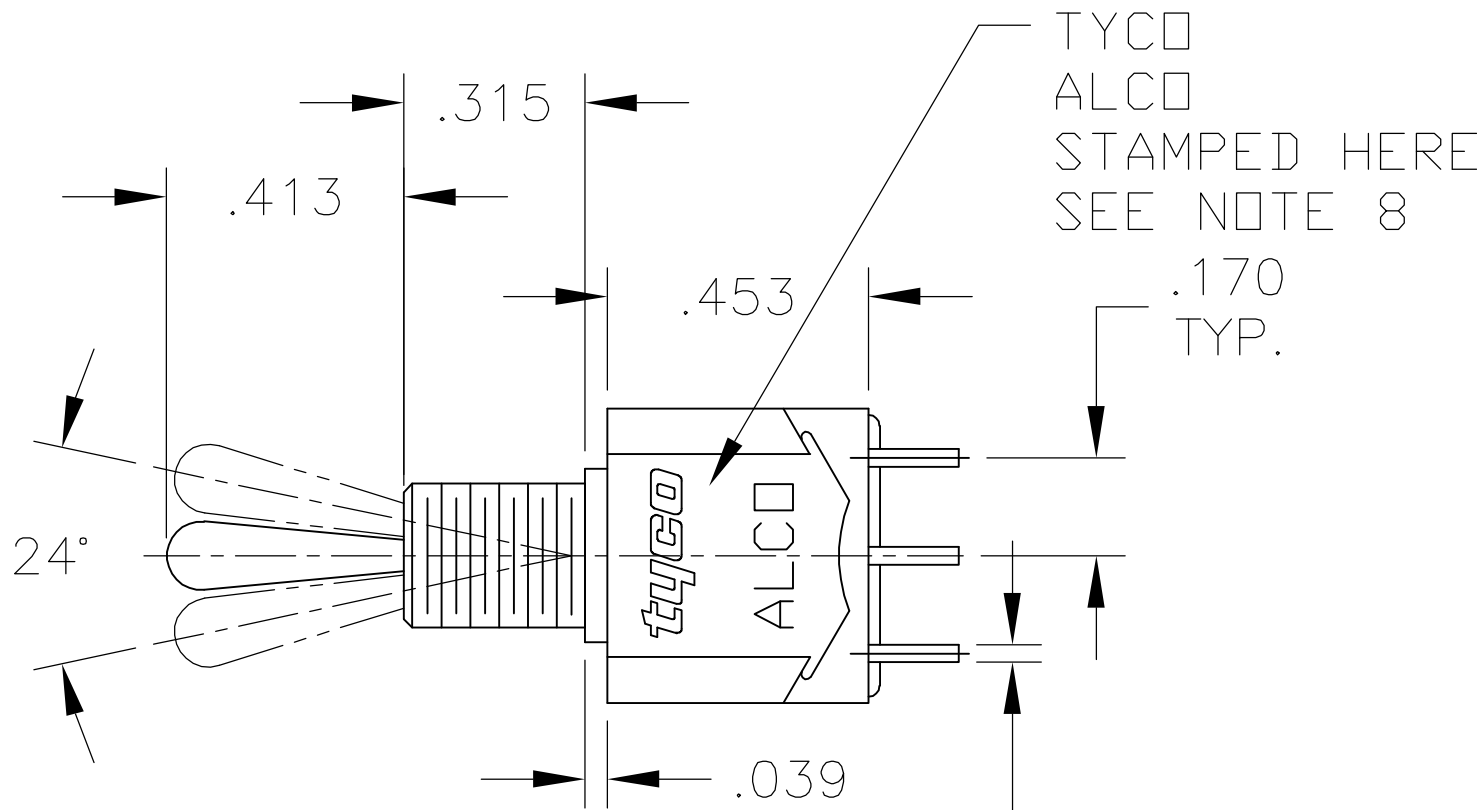
PC TERMINAL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER 29DEC03	tyco Electronics		Tyco Electronics Corporation Harriburg, PA	
DIMENSIONS: INCHES		CHK M. ZITTO 29DEC03				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. ZITTO 29DEC03	NAME		TOGGLE SWITCH, MTA SERIES VERTICAL MOUNT	
0 PLC ± .005 1 PLC ± .005 2 PLC ± .005 3 PLC ± .005 4 PLC ± .005 ANGLES ± .005		PRODUCT SPEC	APPLICATION SPEC		SIZE A1	
MATERIAL		WEIGHT	CAGE CODE		DRAWING NO 1-1437558-0	
FINISH		CUSTOMER DRAWING	SCALE		SHEET 2 OF 3	
					REV D	

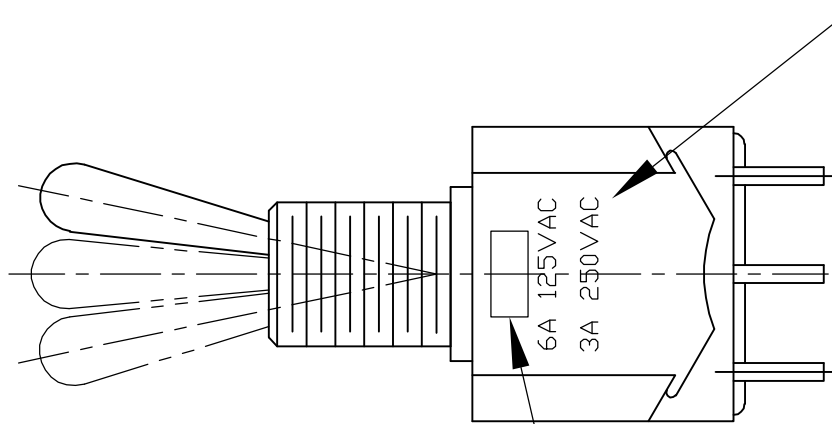
LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
AD	00	—	—	SEE SHEET 1	—	—



COUNTRY OF ORGIN
STAMPED HERE
EXISTING
SWITCHES ONLY

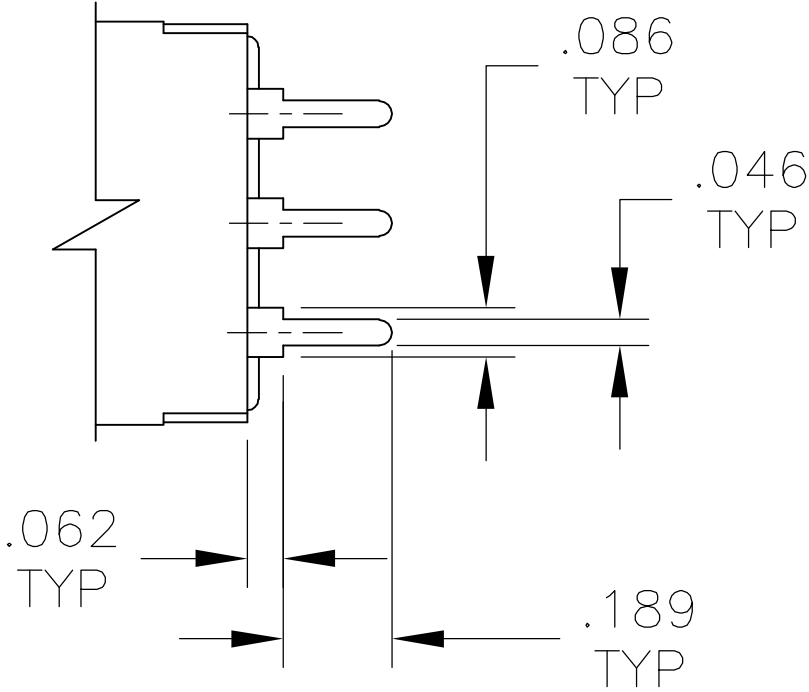
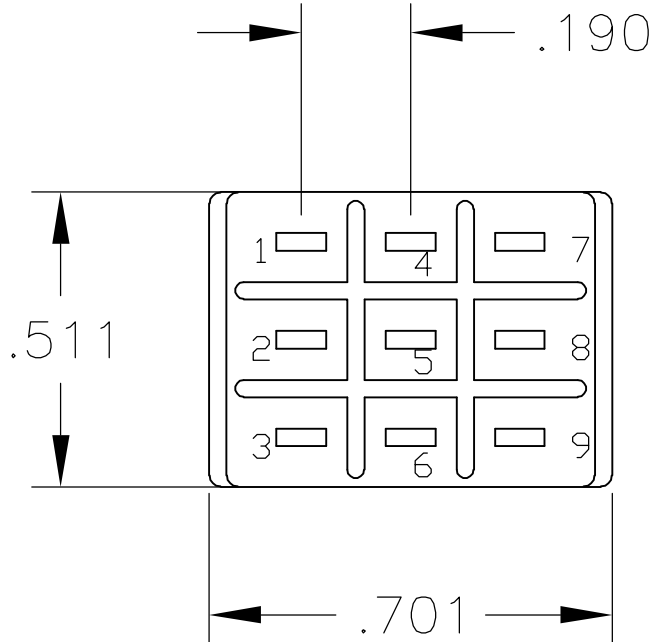


WIRE LUG TERMINAL

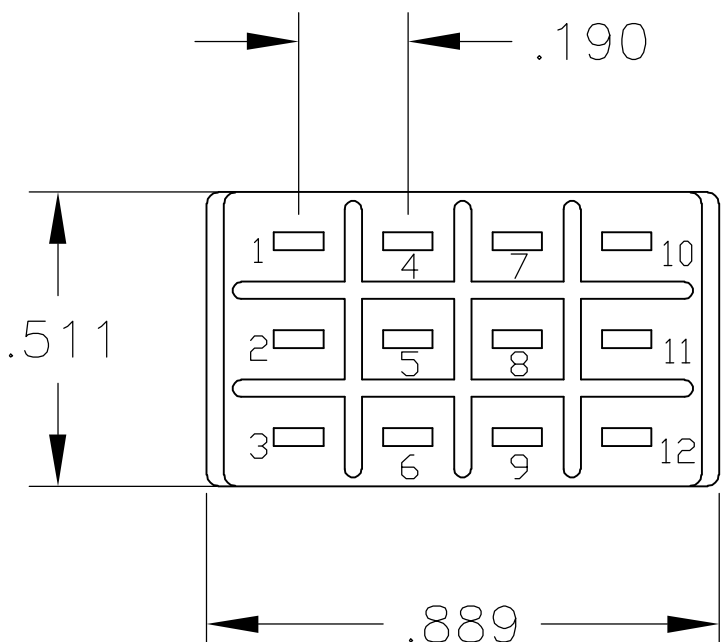


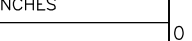
RATING
BLACK INK STAMP OR
STAMPED INTO METAL
FRAME
THIS SIDE

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



PC TERMINAL



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER	29DEC03	 Tyco Electronics Corporation Harriaburg, PA	
		CHK M. ZITTO	29DEC03		
		APVD M. ZITTO	29DEC03		
		PRODUCT SPEC			
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:			
		0 PLC ± -			
		1 PLC ± -			
		2 PLC ± -			
		3 PLC ± .005			
MATERIAL		4 PLC ± -			
		ANGLES ± -			
		FINISH			
		-			
		-			
		NAME TOGGLE SWITCH, MTA SERIES VERTICAL MOUNT -			
		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
		A1 00779 C=1-1437558-0			-
		CUSTOMER DRAWING			
		WEIGHT	-		
		SCALE 1:1		SHEET 3 OF 3	REV D