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LOC

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REVISED

PER

ECO-14-010935

DATE

18JUL2014

DWN

NK

APVD

RH

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

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

TO PREVENT ROTATION

TO PREVENT ROTATION

1 POLE

2 POLE

3 POLE

4 POLE

PC BOARD LAYOUT

PC TERMINAL ONLY

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) 15/32-32 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. CUSTOMER INSTALLED EXTERNAL JUMPER BETWEEN TERMINALS 2 AND 4 REQUIRED FOR 1 POLE 3 THROW FUNCTION.

7 OBSOLETE

8. LASER MARKING USED FOR PARTS.

Part Number	Alco Model	Poles	Throws	Function	Terminal	A				Comments
3-1437559-2	MTG406P	4	2	ON OFF ON	Wire lug	.453	2-3, 5-6, 8-9, 11-12	Off	2-1, 5-4, 8-7, 11-10	
3-1437559-3	MTG426N	4	2	ON ON	Wire lug	.685	2-3, 5-6, 8-9, 11-12	---	2-1, 5-4, 8-7, 11-10	
3-1437559-1	MTG406N	4	2	ON ON	Wire lug	.453	2-3, 5-6, 8-9, 11-12	---	2-1, 5-4, 8-7, 11-10	
2-1437559-9	MTG306E	3	2	ON OFF ON	Wire lug	.453	2-3, 5-6, 8-9	Off	2-1, 5-4, 8-7	
3-1437559-0	MTG326D	3	2	ON ON	Wire lug	.685	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
2-1437559-8	MTG306D	3	2	ON ON	Wire lug	.453	2-3, 5-6, 8-9	---	2-1, 5-4, 8-7	
2-1437559-7	MTG226PA	1	3	ON ON ON	Wire lug	.685	5-6	5-3	5-1	note 6
2-1437559-6	MTG226P	2	2	ON OFF ON	Wire lug	.685	2-3, 5-6	Off	2-1, 5-4	
2-1437559-5	MTG226N	2	2	ON ON	Wire lug	.685	2-3, 5-6	---	2-1, 5-4	
2-1437559-4	MTG206T	2	2	ON OFF(ON)	Wire lug	.453	2-3, 5-6	Off	2-1, 5-4	
2-1437559-3	MTG206S	2	2	(ON) OFF (ON)	Wire lug	.453	2-3, 5-6	Off	2-1, 5-4	
2-1437559-2	MTG206R	2	2	ON (ON)	Wire lug	.453	2-3, 5-6	---	2-1, 5-4	
2-1437559-1	MTG206PA	1	3	ON ON ON	Wire lug	.453	5-6	5-3	5-1	note 6
2-1437559-0	MTG206P	2	2	ON OFF ON	Wire lug	.453	2-3, 5-6	Off	2-1, 5-4	
1-1437559-9	MTG206NPC	2	2	ON ON	PC	.453	2-3, 5-6	---	2-1, 5-4	
1-1437559-8	MTG206N	2	2	ON ON	Wire lug	.453	2-3, 5-6	---	2-1, 5-4	
1-1437559-0	MTG126G	1	2	(ON) OFF (ON)	Wire lug	.685	2-3	Off	2-1	
1-1437559-7	MTG126E	1	2	ON OFF ON	Wire lug	.685	2-3	Off	2-1	
1-1437559-6	MTG126D	1	2	ON ON	Wire lug	.685	2-3	---	2-1	
1-1437559-5	MTG106H	1	2	ON OFF(ON)	Wire lug	.453	2-3	Off	2-1	
1-1437559-4	MTG106G	1	2	(ON) OFF (ON)	Wire lug	.453	2-3	Off	2-1	
1-1437559-3	MTG106F	1	2	ON (ON)	Wire lug	.453	2-3	---	2-1	
1-1437559-2	MTG106E	1	2	ON OFF ON	Wire lug	.453	2-3	Off	2-1	
1-1437559-1	MTG106D	1	2	ON ON	Wire lug	.453	2-3	---	2-1	

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DIMENSIONS: INCHES

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .005

4 PLC ± -

ANGLES ± -

FINISH

-

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DWN M BINNER 29DEC03

CHK M ZITTO 29DEC03

APP'D M ZITTO 29DEC03

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

—

CUSTOMER DRAWING

TE Connectivity

TOGGLE SWITCH, MTG SERIES

VERTICAL MOUNT

—

SIZE A1

CAGE CODE 00779

DRAWING NO 1-1437559-1

RESTRICTED TO

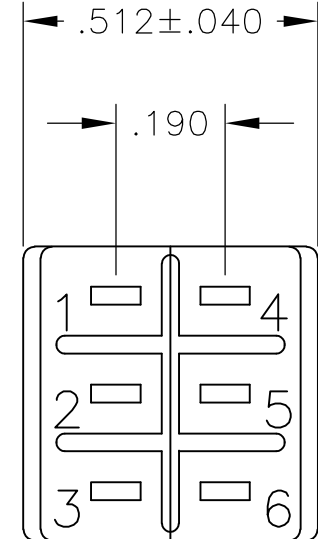
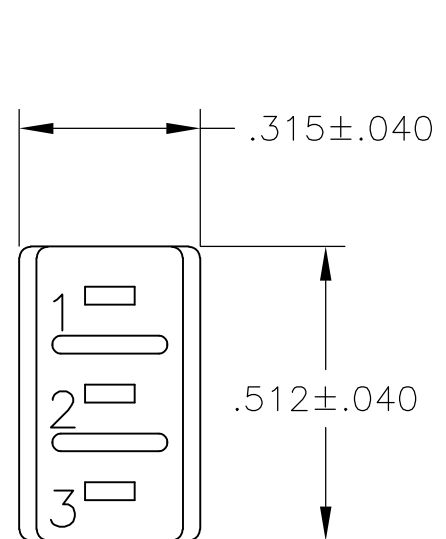
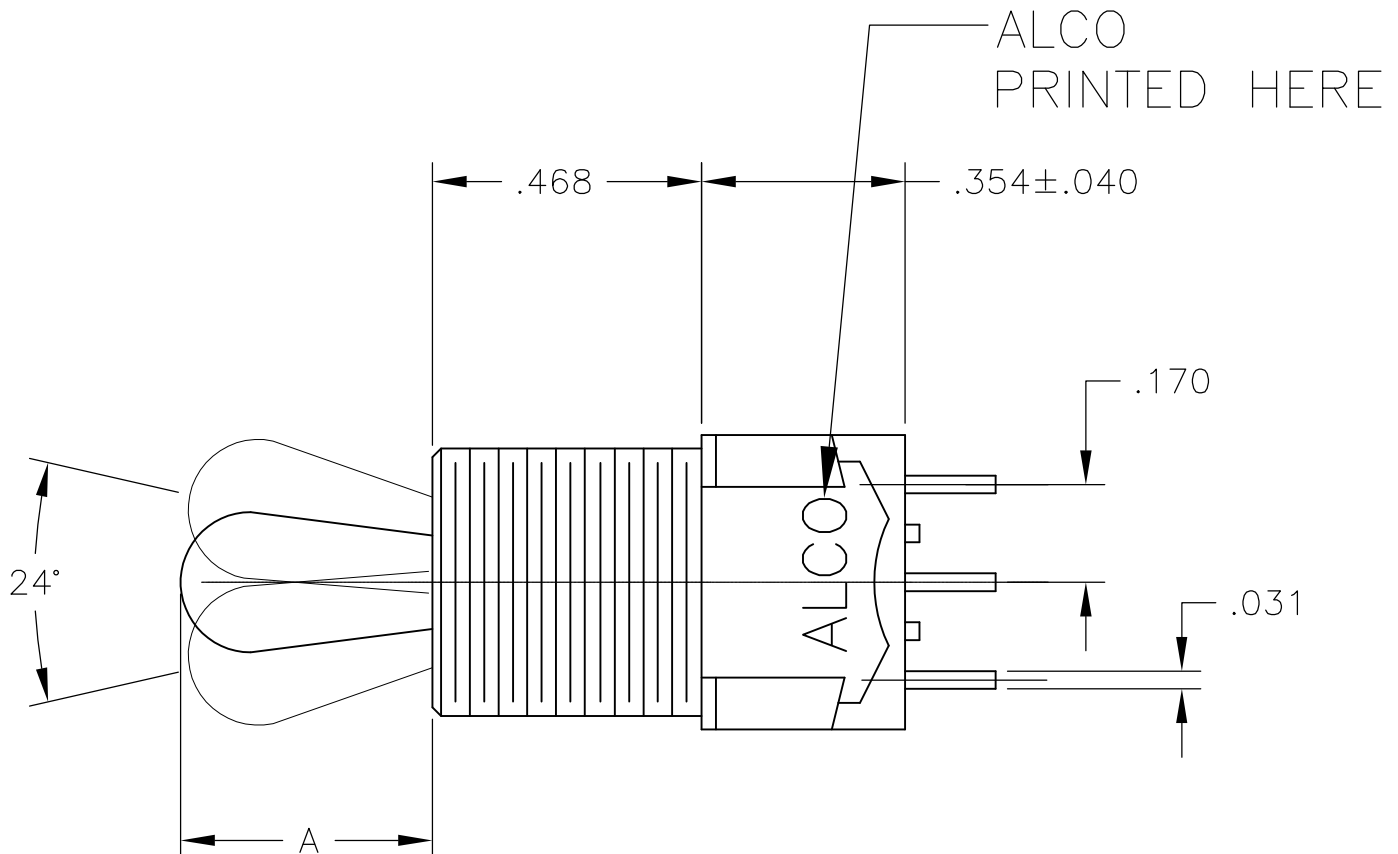
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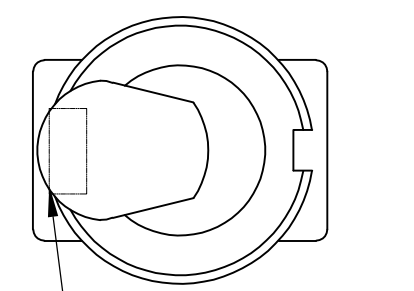
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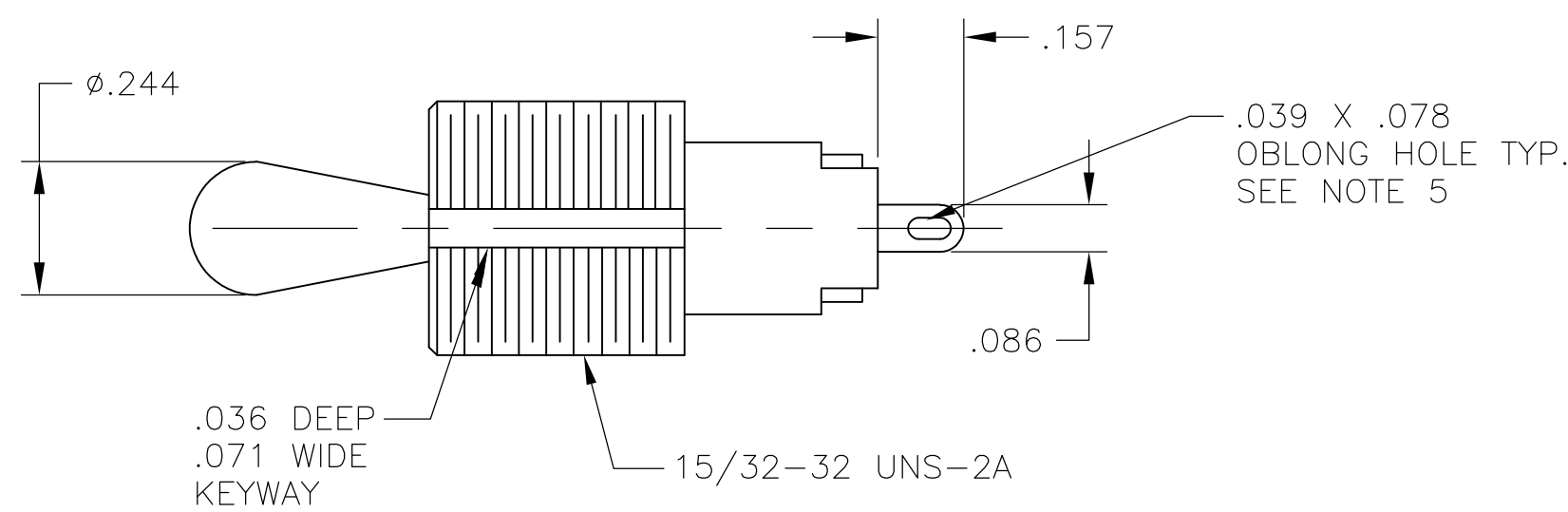


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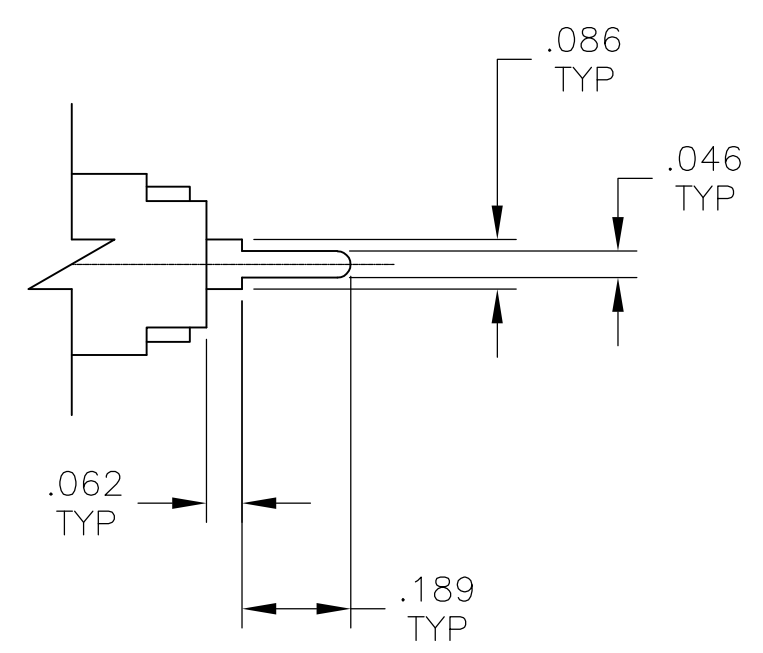
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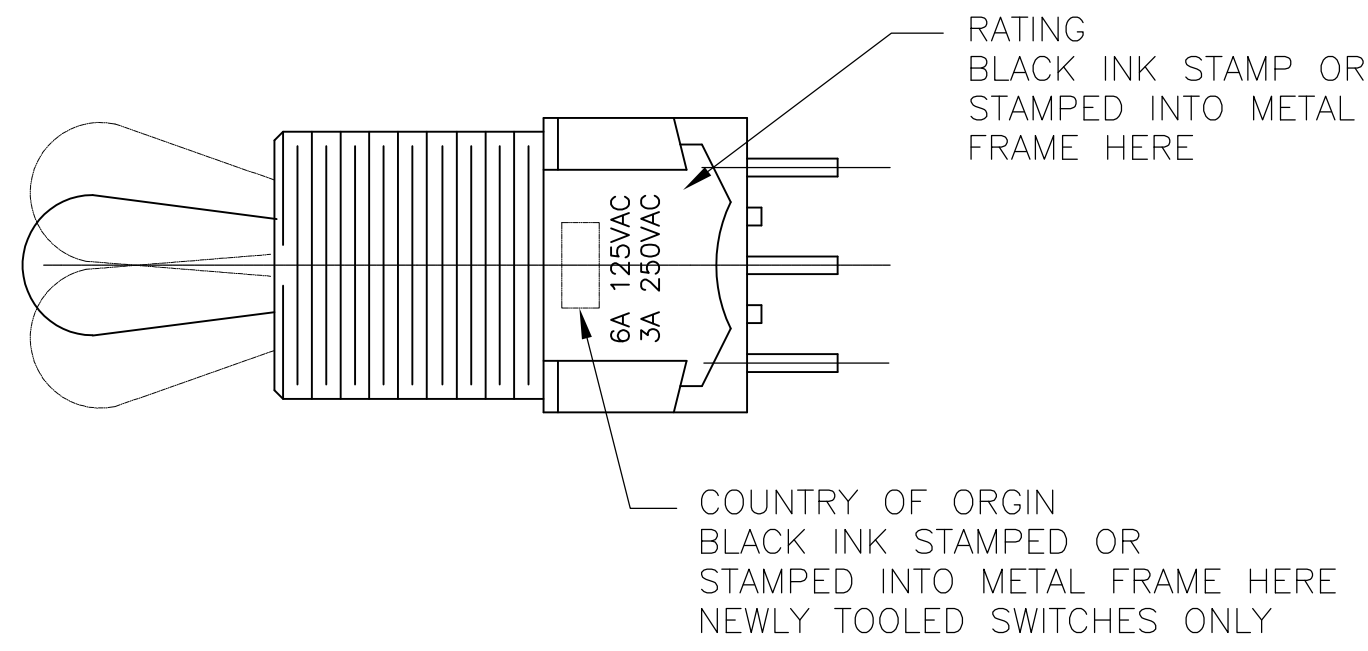
COUNTRY OF ORGIN STAMPED HERE EXISTING SWITCHES ONLY



WIRE LUG TERMINAL



PC TERMINAL



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DWN
M. BINNER
29DEC03

CHK
M. ZITTO
29DEC03

APPD
M. ZITTO
29DEC03

TE Connectivity

NAME
TOGGLE SWITCH, MTG SERIES
VERTICAL MOUNT

PRODUCT SPEC
—

APPLICATION SPEC
—

WEIGHT
—

CUSTOMER DRAWING

SIZE
A1

CAGE CODE
00779

DRAWING NO
1-1437559-1

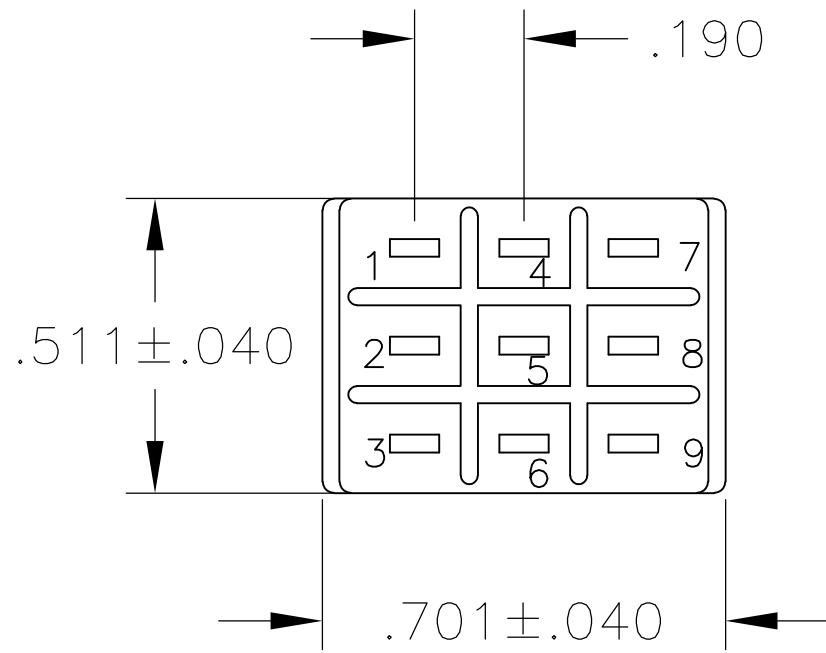
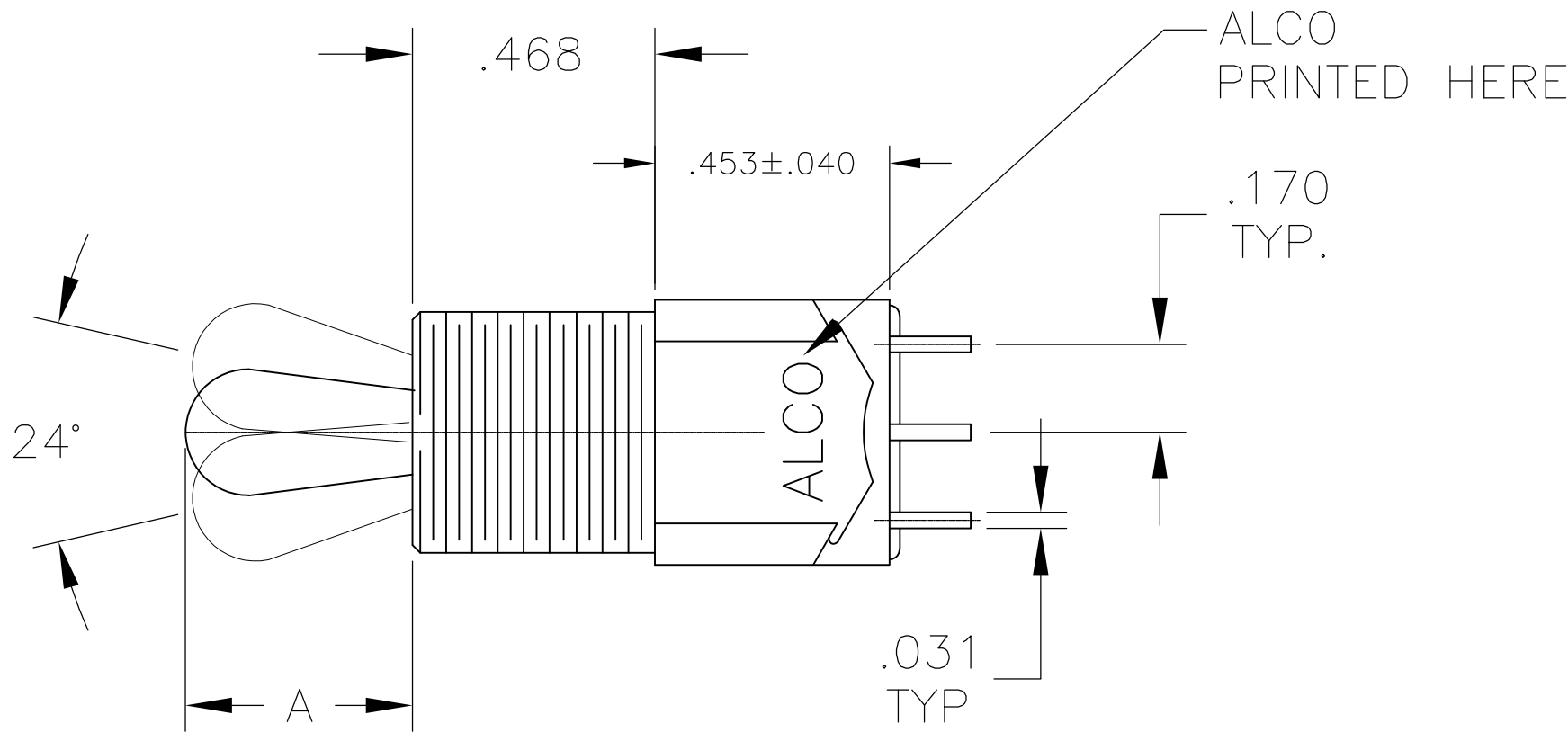
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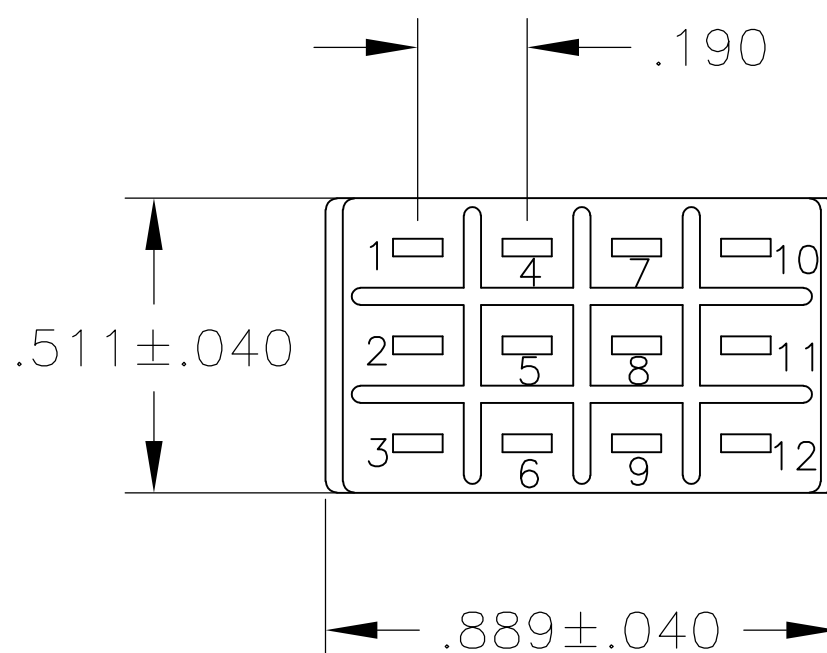
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REV
D5

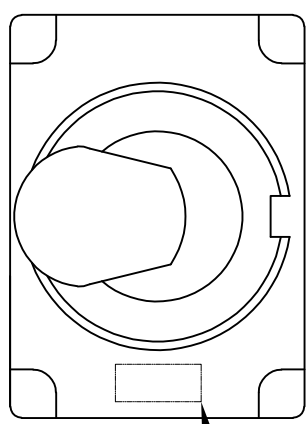
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AD	00	REV	LTR	DESCRIPTION	DATE	DWN
				SEE SHEET 1		



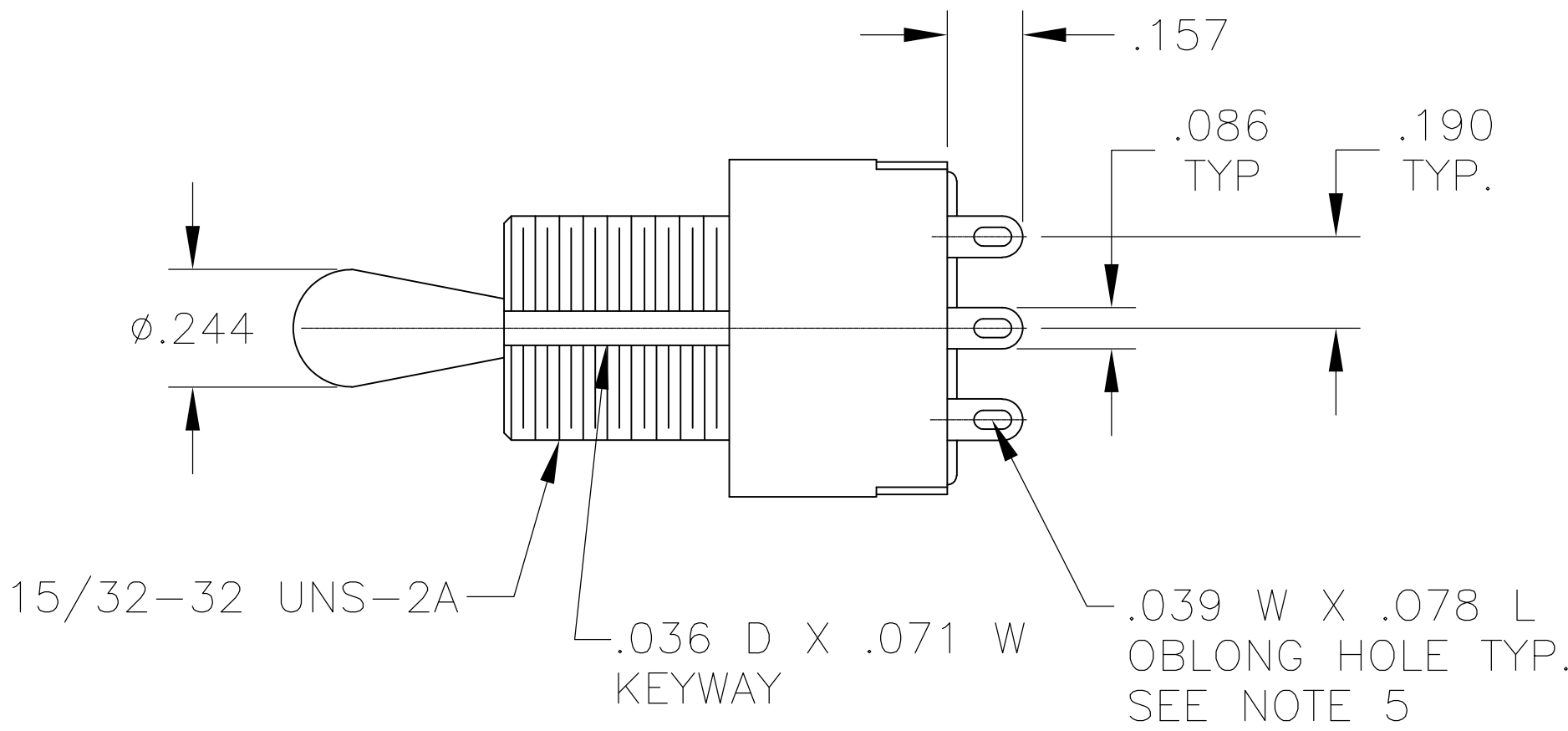
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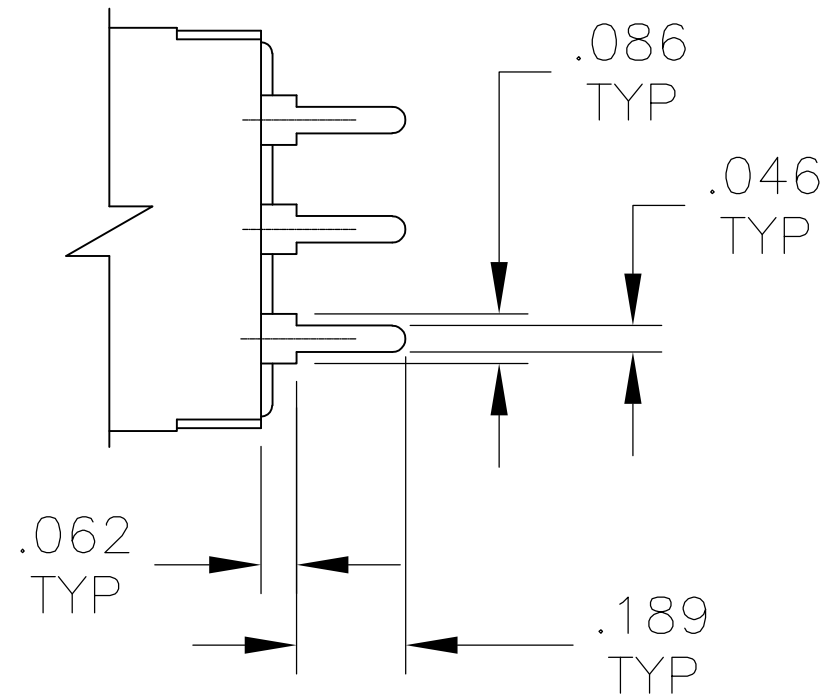
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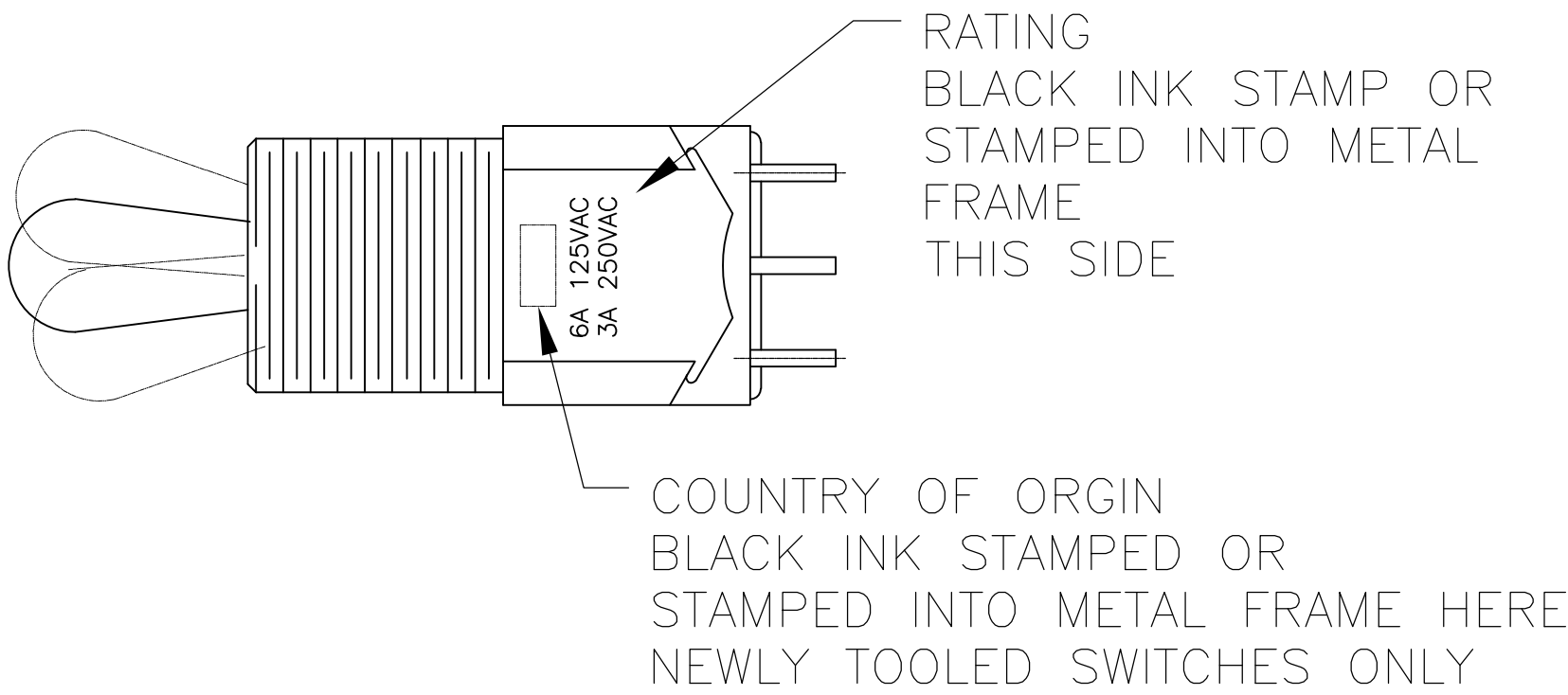
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WIRE LUG TERMINAL



PC TERMINAL



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DIMENSIONS: INCHES		CHK M. ZITTO 29DEC03		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPROD M. ZITTO 29DEC03	NAME	
0. PLC ± .005		PRODUCT SPEC	TOGGLE SWITCH, MTG SERIES VERTICAL MOUNT	
1. PLC ± .005		APPLICATION SPEC		
2. PLC ± .005		WEIGHT	SIZE	
3. PLC ± .005		—	CAGE CODE	
4. PLC ± .005		—	DRAWING NO	
FINISH		—	RESTRICTED TO	
—		—	A1 00779	
—		—	1-1437559-1	
—		—	CUSTOMER DRAWING	
—		—	SCALE 3:1	
—		—	SHEET 3 OF 3	
—		—	REV D5	

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