

8

7

6

5

4

3

2

1

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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

10

9

3

4

2

1

6

5

8

7

12

14

13

11

NOT TO SCALE

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

TO PREVENT ROTATION

1 POLE

2 POLES

3 POLES

4 POLES

PC BOARD LAYOUT

PC TERMINAL ONLY

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

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.

OBSOLETE

LASER MARKING USED FOR PARTS.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

MATERIAL

FINISH

WEIGHT

CUSTOMER DRAWING

DWN

M. BINNER

29DEC03

CHK

M. ZITTO

29DEC03

APVD

M. ZITTO

29DEC03

NAME

TOGGLE SWITCH, MTA SERIES

VERTICAL MOUNT

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

TE Connectivity Ltd.

00779

1-1437558-0

SCALE

2:1

SHEET

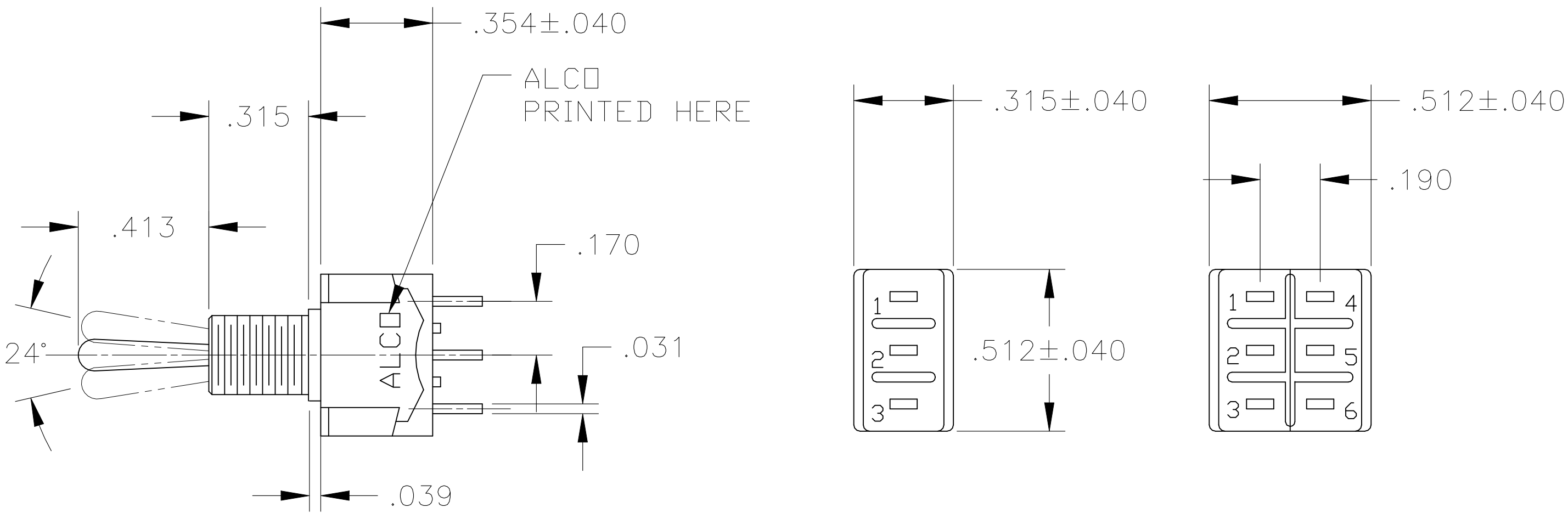
1 OF 3

REV

E5

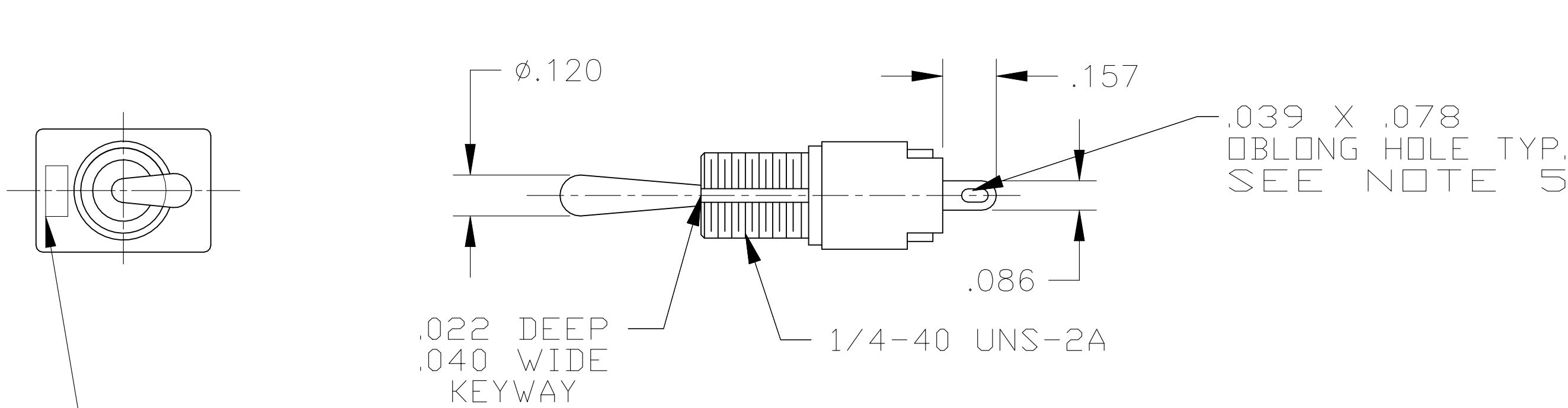
4805 (1/15)

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



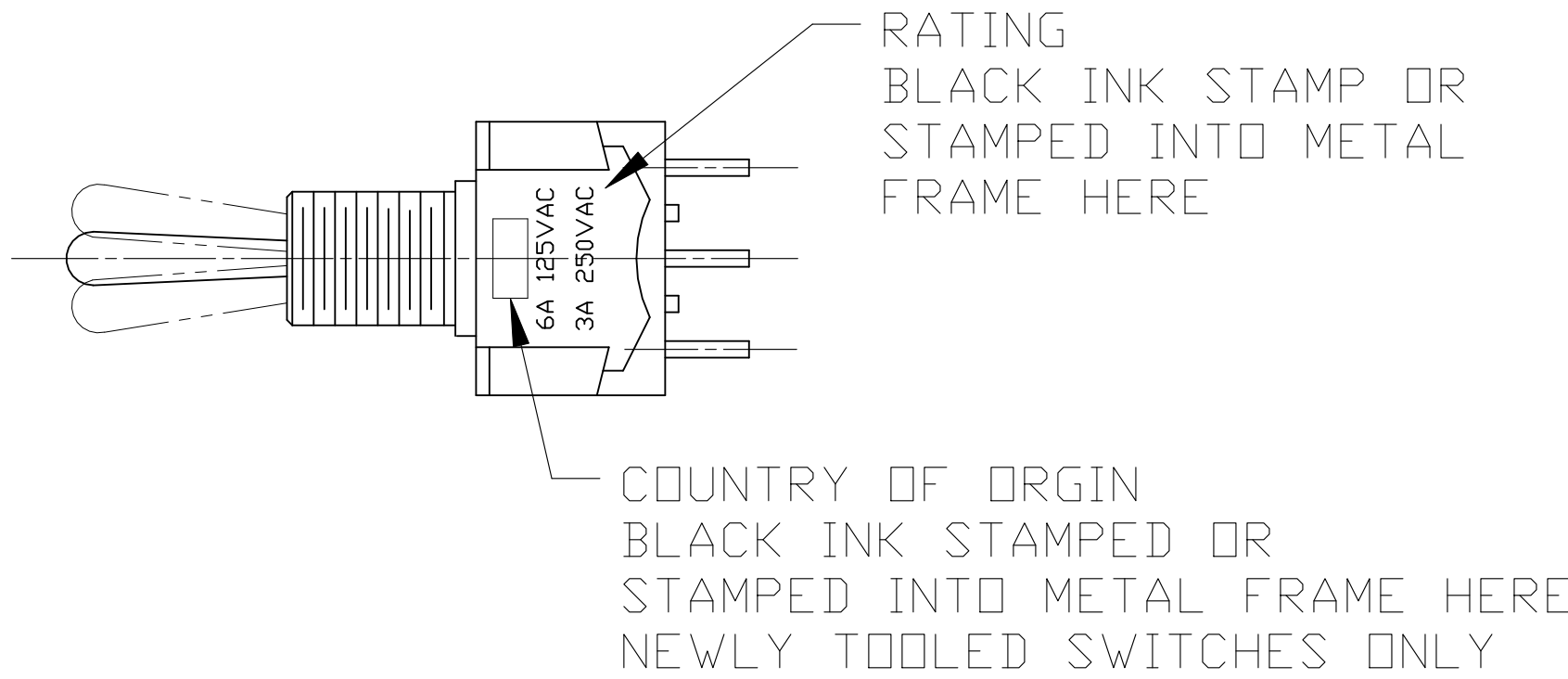
MTA-106

MTA-206



COUNTRY OF ORIGIN
STAMPED HERE
EXISTING
SWITCHES ONLY

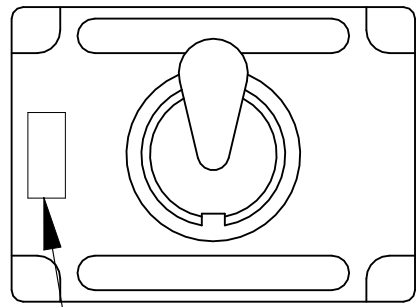
WIRE LUG TERMINAL



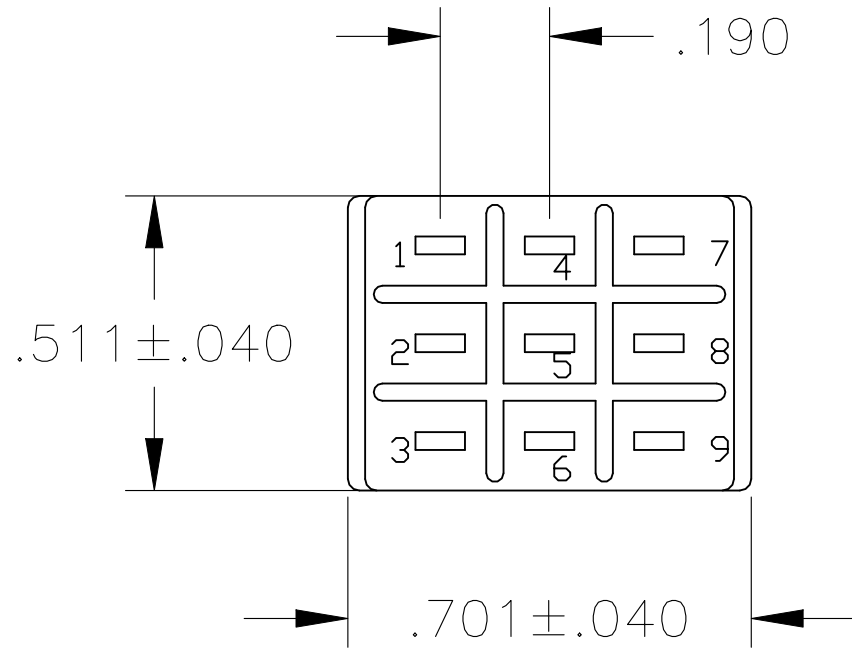
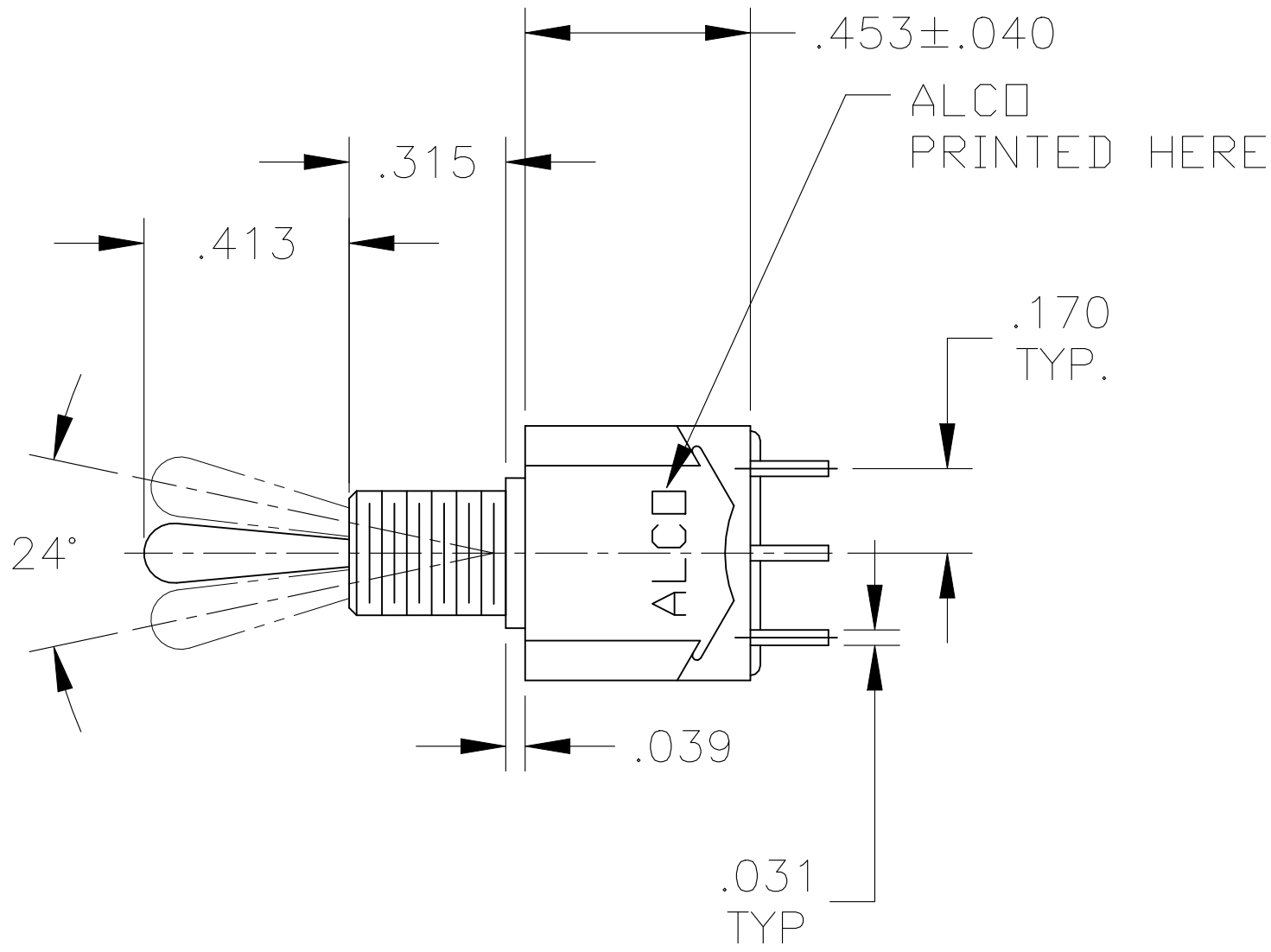
PC TERMINAL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER 29DEC03	TE Connectivity Ltd.	
		CHK M. ZITTO 29DEC03		
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M. ZITTO 29DEC03	NAME	TOGGLE SWITCH, MTA SERIES VERTICAL MOUNT
	0. PLC ± .005	PRODUCT SPEC	SIZE	CAGE CODE
	1. PLC ± .005	APPLICATION SPEC	DRAWING NO	RESTRICTED TO
MATERIAL	FINISH	WEIGHT	A1 00779	1-1437558-0
CUSTOMER DRAWING		SCALE	1:1	SHEET 2 OF 3 REV E5

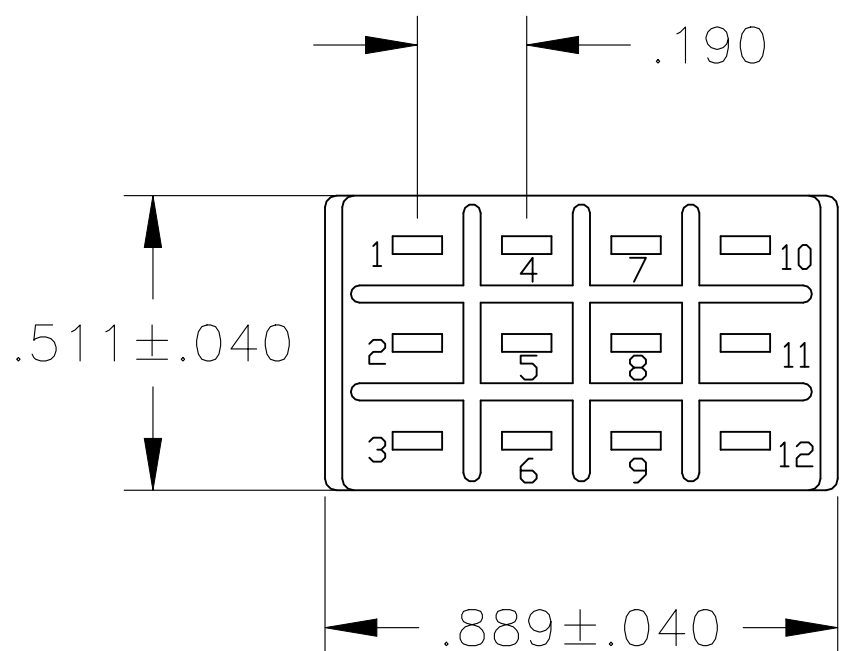
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—	SEE SHEET 1	—	—	—



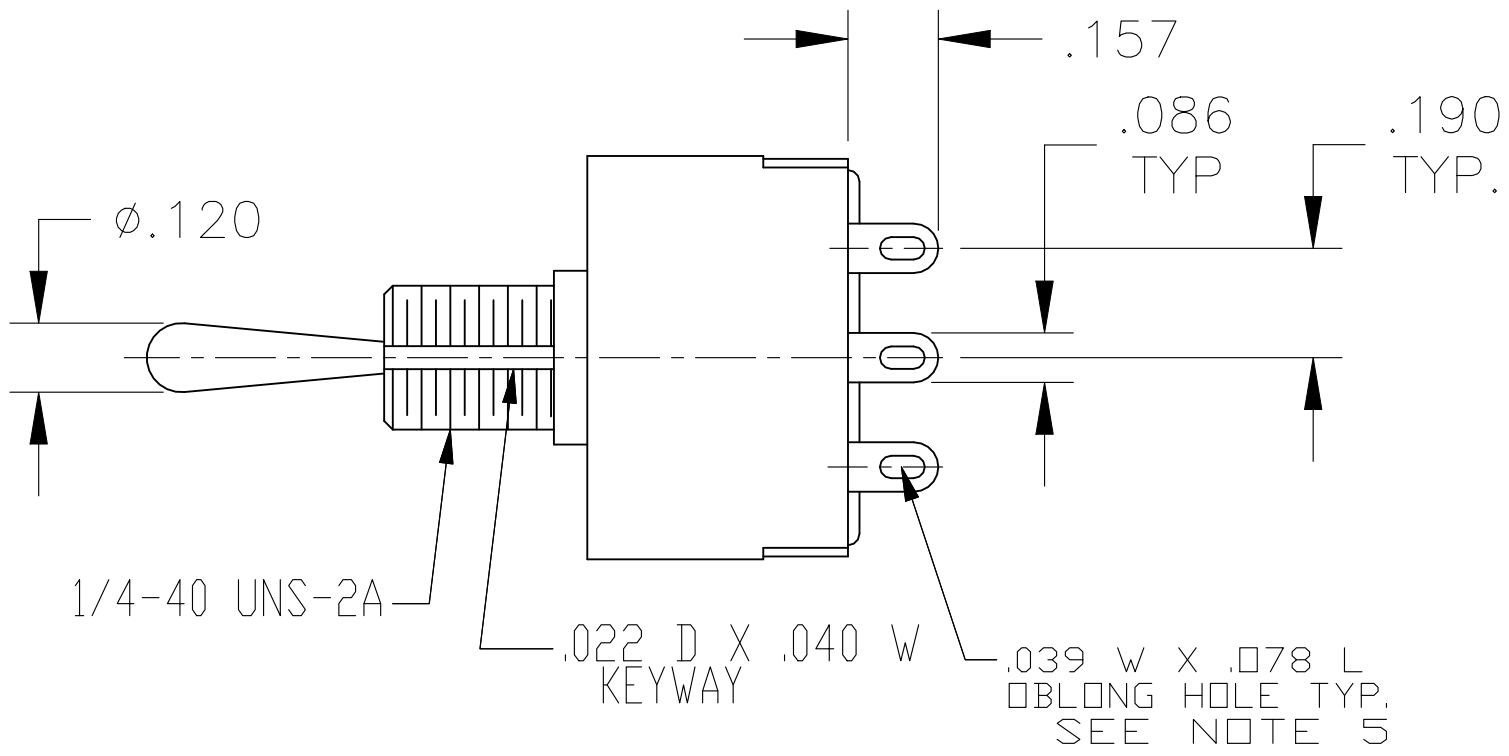
COUNTRY OF ORIGIN
STAMPED HERE
EXISTING
SWITCHES ONLY



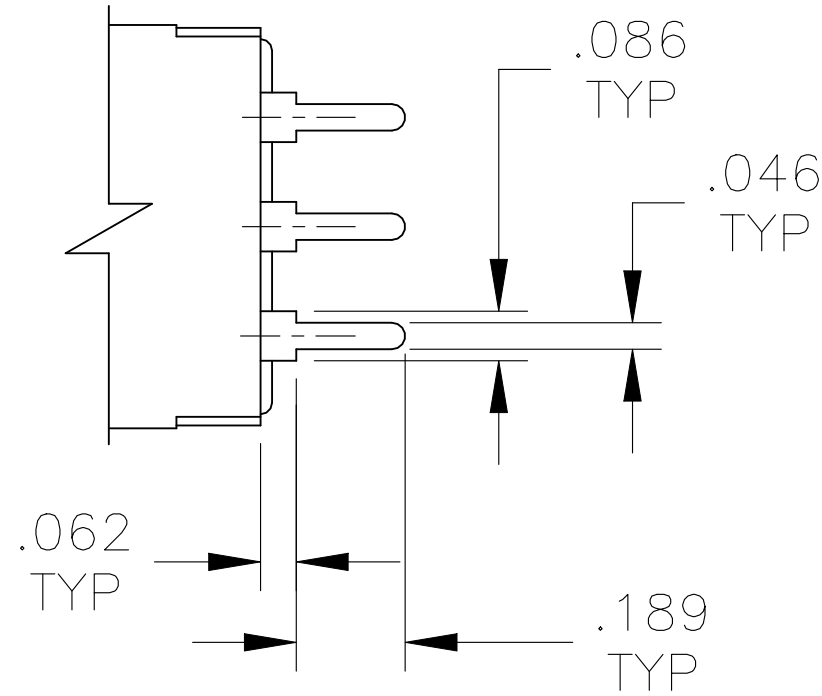
MTA-306



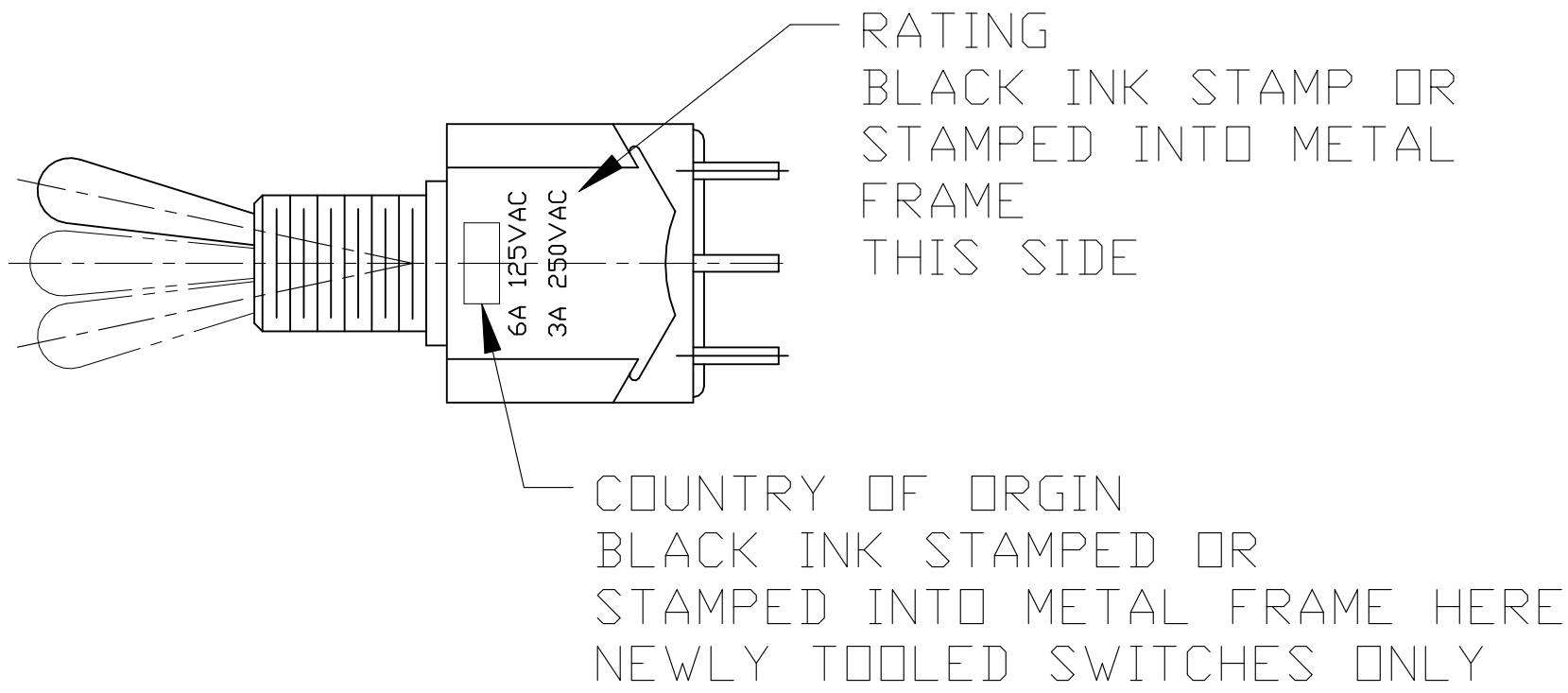
MTA-406



WIRE LUG TERMINAL



PC TERMINAL



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		CHK M. ZITTO 29DEC03		
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M. ZITTO 29DEC03	NAME	TOGGLE SWITCH, MTA SERIES VERTICAL MOUNT
	0. PLC ± — 1. PLC ± — 2. PLC ± — 3. PLC ± .005 4. PLC ± — ANGLES ± — ± —	APPLICATION SPEC	SIZE	CAGE CODE
	MATERIAL —	FINISH —	DRAWING NO	RESTRICTED TO
CUSTOMER DRAWING		WEIGHT —	A1 00779	1-1437558-0
		SCALE	1:1	SHEET 3 OF 3
		REV	E5	

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