

4

3

2

1

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A8	REVISED PER ECO-17-001761	10MAY2017	RK	AS

TE LOGO

3

2A 250VAC

5A 120VAC

RATING

1

2

3

EPOXY SEAL

DATE CODE

04-YEAR

01-WEEK

AND

COUNTRY

OF ORIGIN

7

FUNCTION

ON ON

ALCO

IP 67

9.40

[.370]

10.39

[.409]

12.70±0.38

[.500±.015]

4.70±0.41

[.185±.016]

6.60

[.260]

1

ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).

2

G CONTACT OPTION CAN BE USED FOR SIGNAL OR POWER LEVEL SWITCHING. IF SWITCH IS USED AT LEVELS EXCEEDING .4VA @ 20V AC/DC, SWITCH IS RENDERED FOR POWER SWITCHING ONLY DUE TO ARC REMOVAL OF GOLD PLATING. RATING MARKED ON THE SWITCH IS 2A 250VAC, 5A 120VAC.

3

TE LOGO PER TEC-202-36.

5

SWITCHES MEET REQUIREMENTS OF IP67

6

PANEL MOUNT ACTUATOR PIVOT SUPPLIED WITH C, W, W4, Z & Z3 TERMINATIONS. PC MOUNT ACTUATOR PIVOT SUPPLIED WITH A, AV2, V3 & V4 TERMINATIONS

7

DATE CODE AND COUNTRY OF ORIGIN MAY APPEAR ON EITHER SIDE OF SWITCH.

8

ALL LOGO, RATING, DATE CODE, AND FUNCTION MARKINGS TO BE LASER MARKED.

FUNCTION CHART

FUNCTION			
01	ON	NONE	ON
03	ON	OFF	ON
05	(ON)	OFF	(ON)
07	ON	OFF	(ON)
08	ON	NONE	(ON)
TERMINALS CONNECTED	2-3	---	1-2

NONE: NO MECHANICAL POSITION

OFF: MECHANICAL POSITION WITH NO ELECTRICAL CONNECTION

(ON): MOMENTARY ACTION

SPECIFICATIONS

RATING, B CONTACTS	.4VA MAX @20V MAX. AC OR DC
RATING, G CONTACTS-SEE NOTE 2	.4VA MAX @20V MAX. AC OR DC OR
	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
RATING, Q CONTACTS	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
ELECTRICAL LIFE	6,000 CYCLES AT RATED LOAD
CONTACT RESISTANCE	10 MILLIOHMS MAX INITIAL @ 2-4VDC, 100MA
INSULATION RESISTANCE	1,000 MEGOHMS MIN
DIELECTRIC WITHSTANDING VOLTAGE	1,000 V RMS AT SEA LEVEL
OPERATING TEMPRATURE	-30C TO 85C

PART NUMBER SEQUENCE

MODEL	FUNCTION	TOGGLE	TERMINAL	CONTACT	ACTUATOR COLOR	ROHS
AE1						04
	01	J1	A	B	0 BLACK (STD)	
	03	J50	AV2	G	1 BROWN	
	05	J2	C	Q	2 RED	
	07	J60	V3		3 ORANGE	
	08		V4		4 YELLOW	
			W		5 GREEN	
			W4		6 BLUE	
			Z		8 GRAY	
			Z3		9 WHITE	

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DWN

M.BINNER

06JAN05

CHK

M.ZITTO

06JAN05

APVD

M.ZITTO

06JAN05

DIMENSIONS:

mm [INCHES]

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .010

4 PLC ± -

ANGLES ± 4°

MATERIAL

-

FINISH

-

TE Connectivity

GEMINI AE SERIES ROCKER SWITCH

SINGLE POLE

SIZE

A2

CAGE CODE

00779

DRAWING NO

1571988

RESTRICTED TO

-

WEIGHT

-

CUSTOMER DRAWING

SCALE

2:1

SHEET

1 OF 5

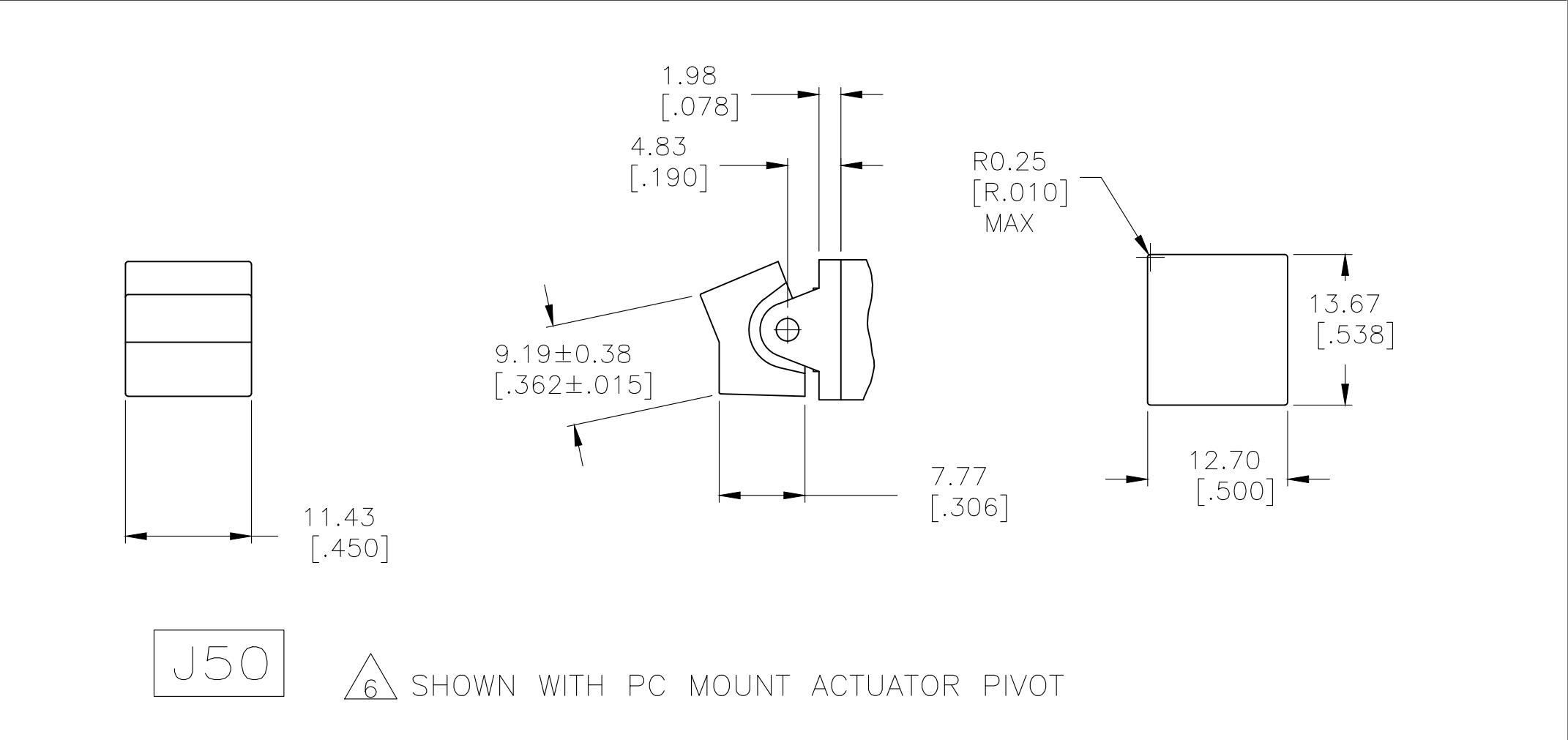
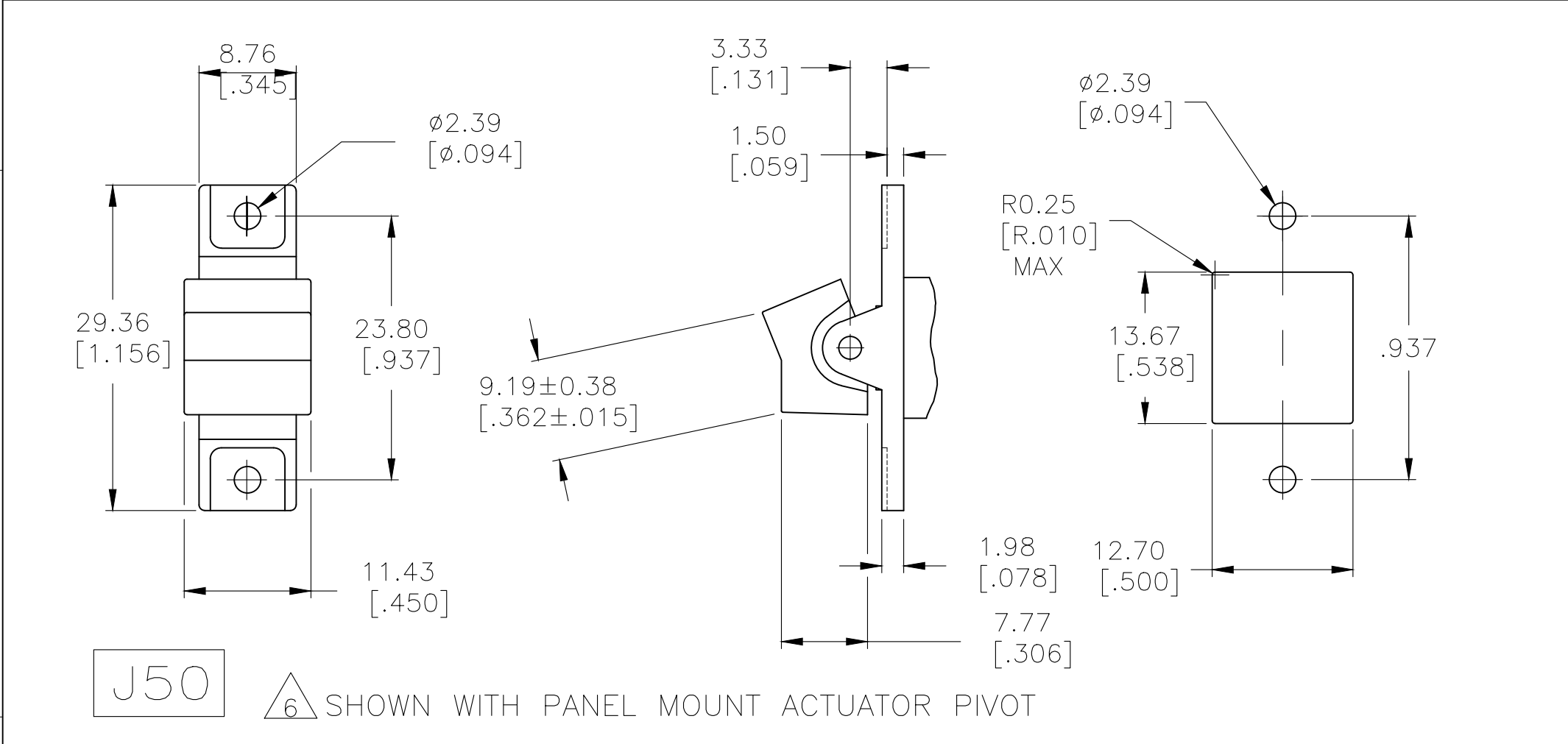
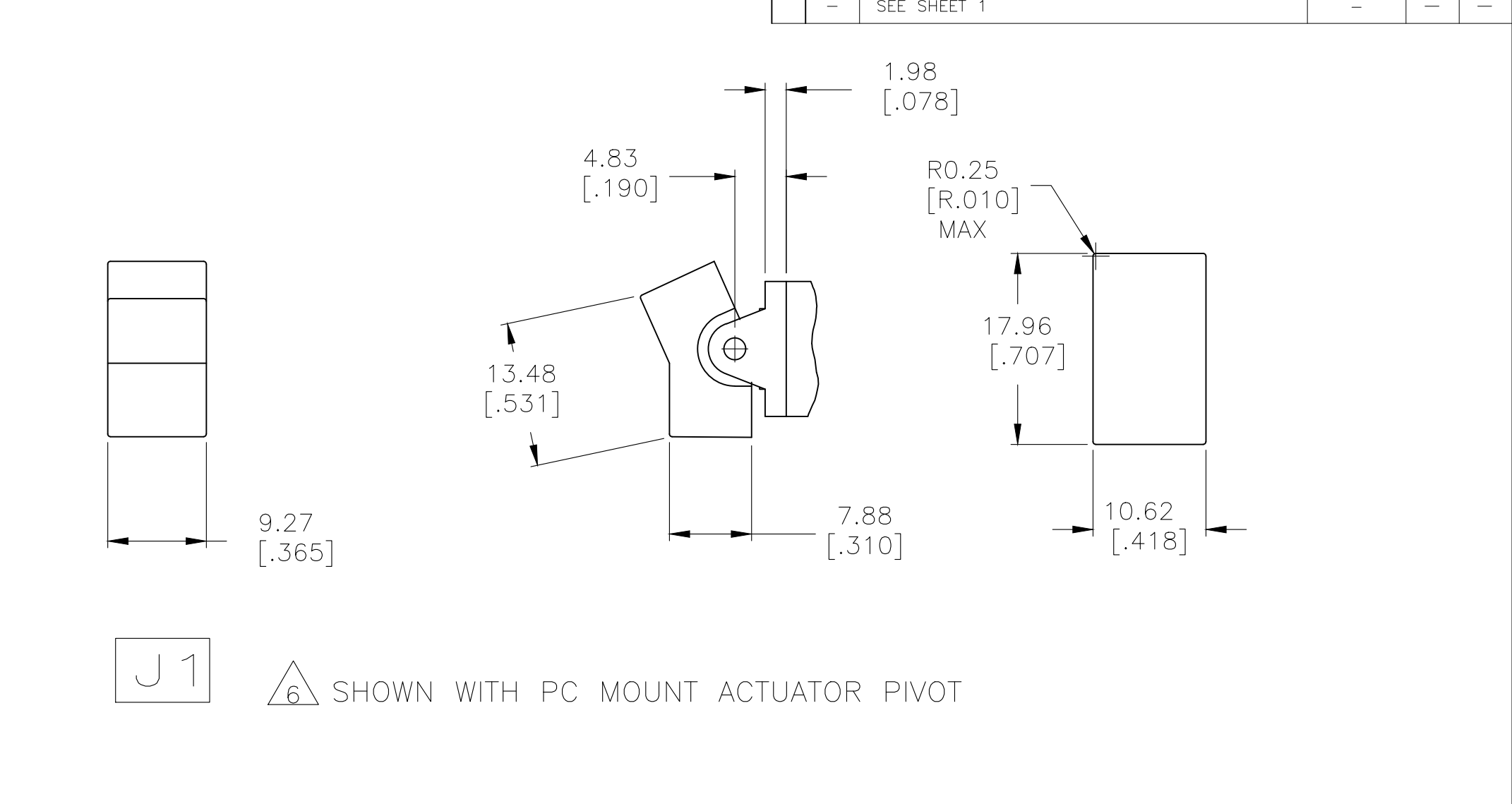
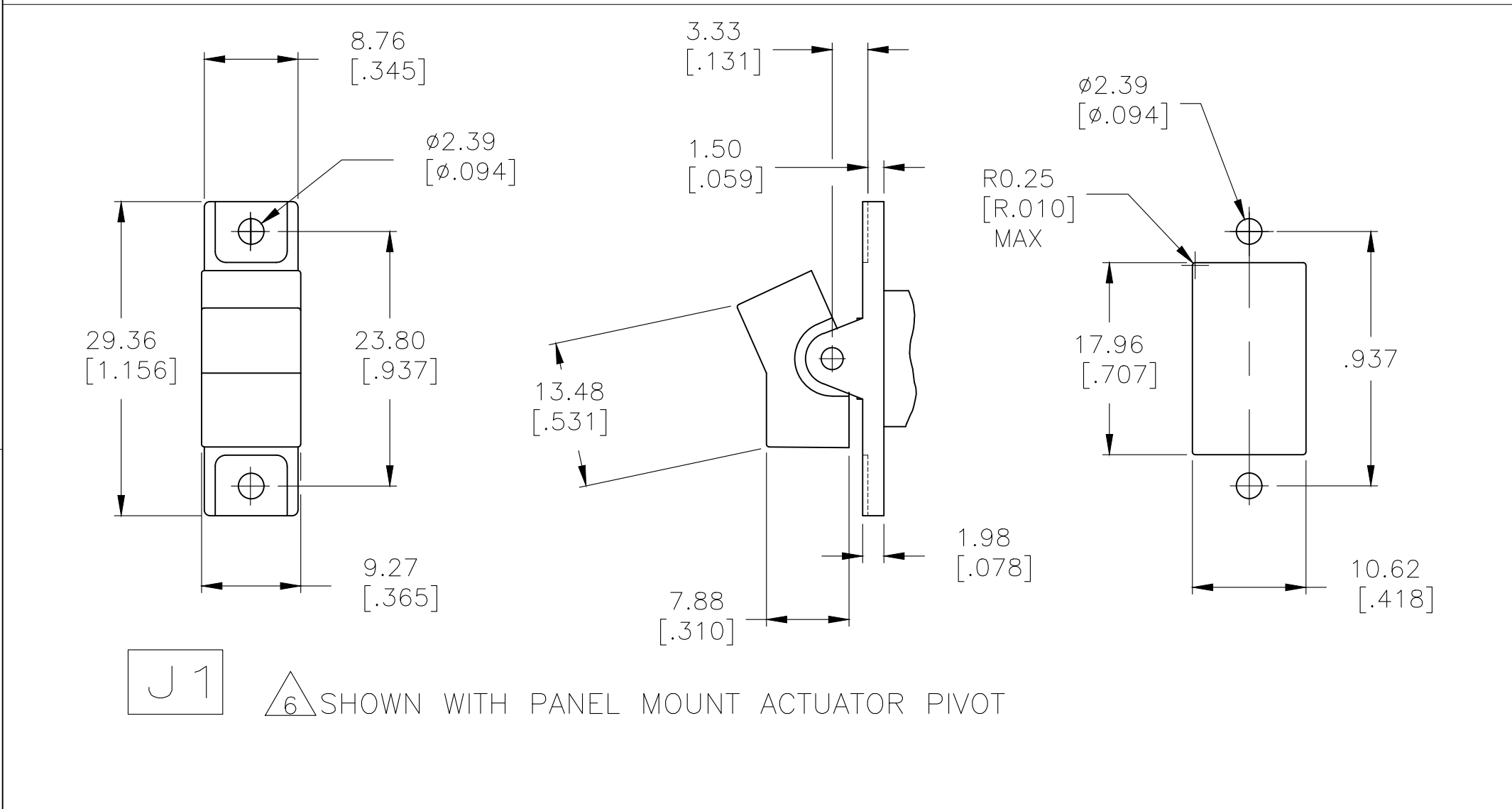
REV

A8

1571988

1471-9 (1/15)

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



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
M.BINNER
06JAN05

CHK
M.ZITTO
06JAN05

APVD
M.ZITTO
06JAN05

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

DIMENSIONS:
mm [INCHES]

0

PLC

$\pm$

—

1

PLC

$\pm$

—

2

PLC

$\pm$

—

3

PLC

$\pm$

.010

4

PLC

$\pm$

—

ANGLES

$\pm$

4°

FINISH

—

1.52–3.17

[.060–.125]

15.75–15.87

[.620–.625]

1.19–1.50

[.047–.059]

15.72

[.619]

PANEL THICKNESS

DIM "A"

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A2

00779

C=1571988

—

SCALE

SHEET

REV

2:1

2 of 5

A8

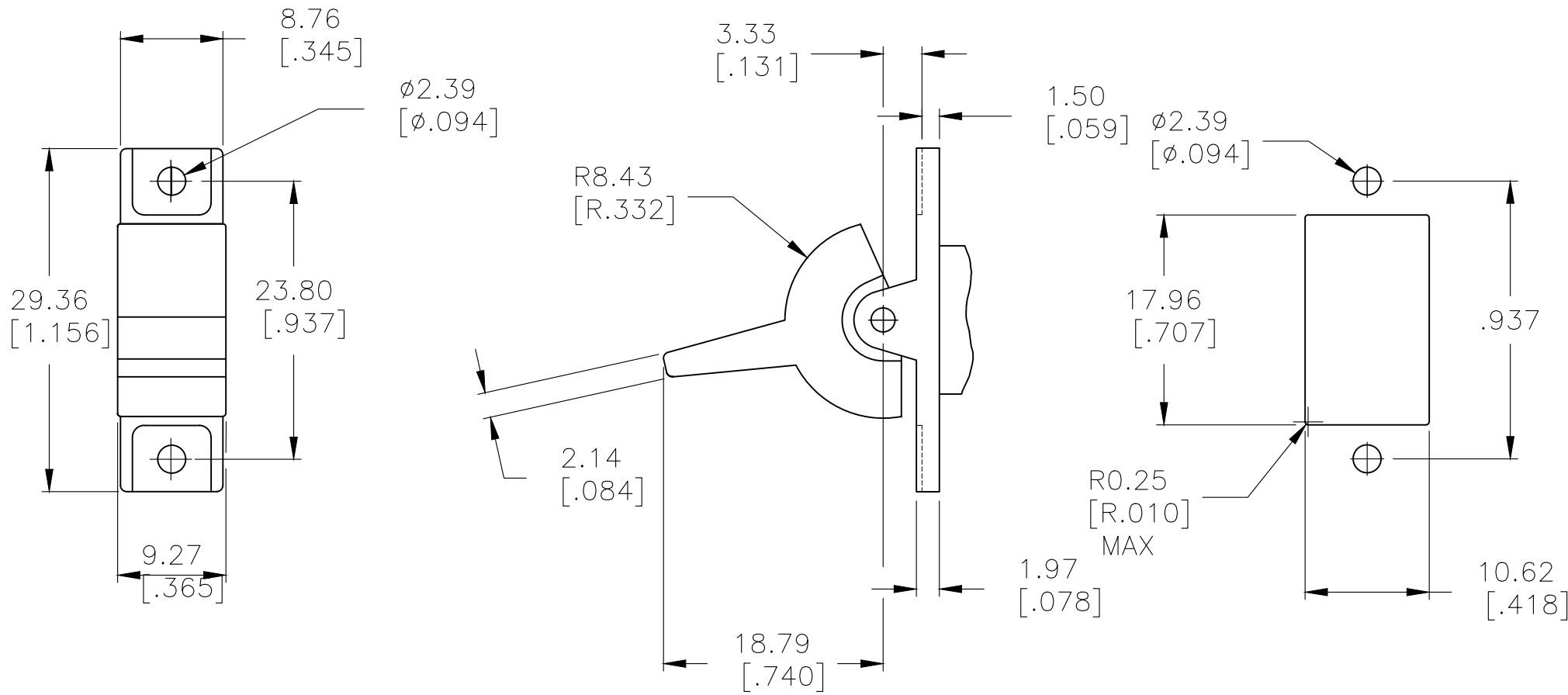
TE Connectivity

GEMINI AE SERIES ROCKER SWITCH
SINGLE POLE

1471-9 (1/15)

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

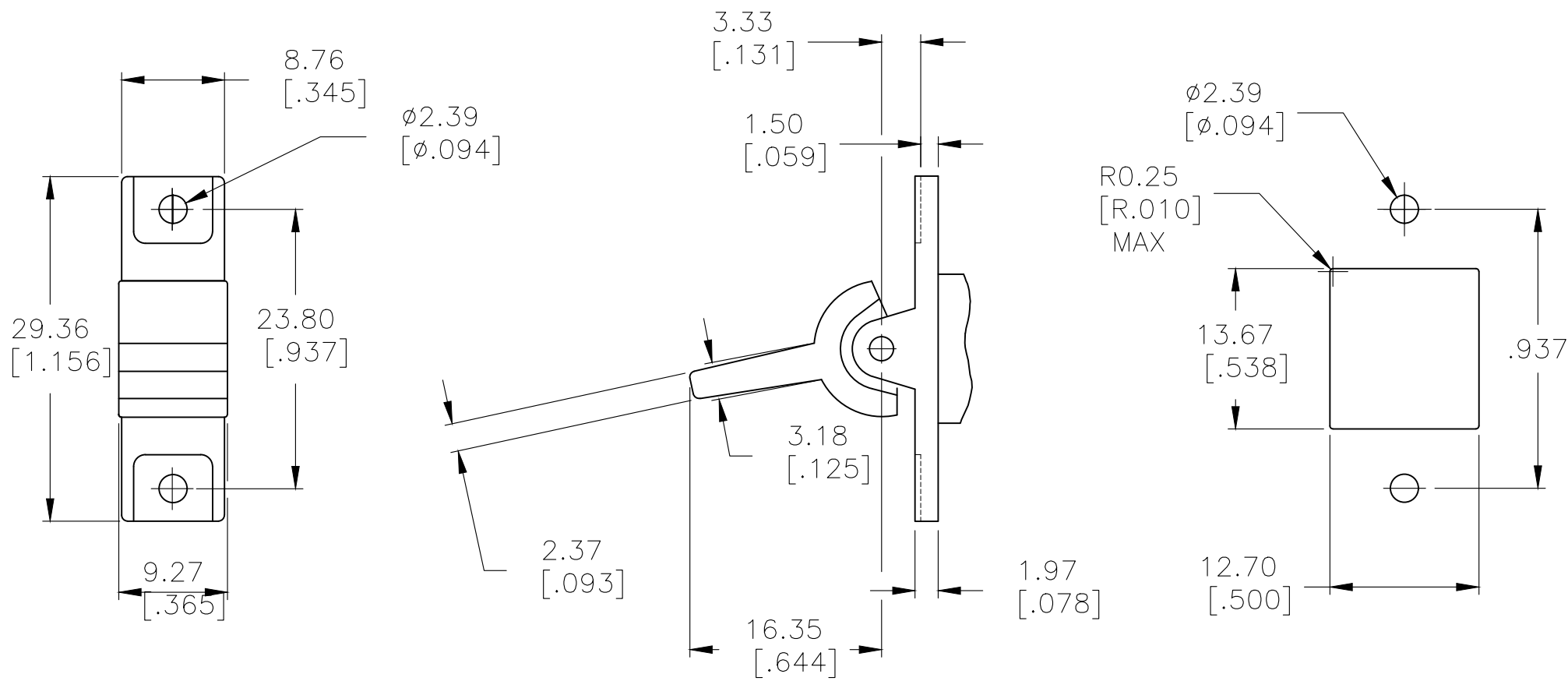
D



C

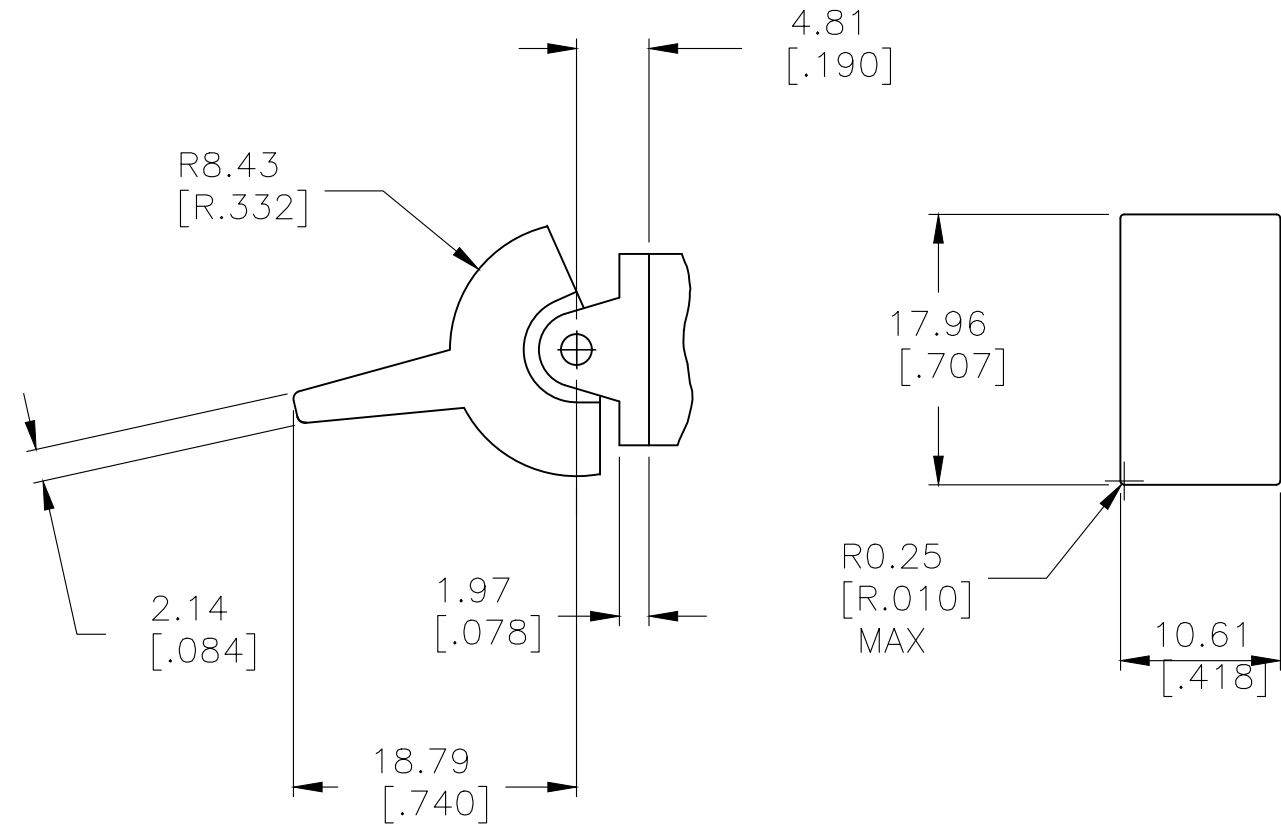
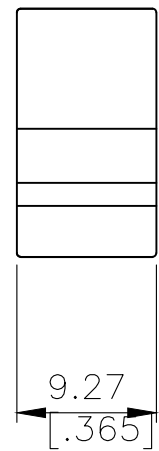
J2 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT

B



J60 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT

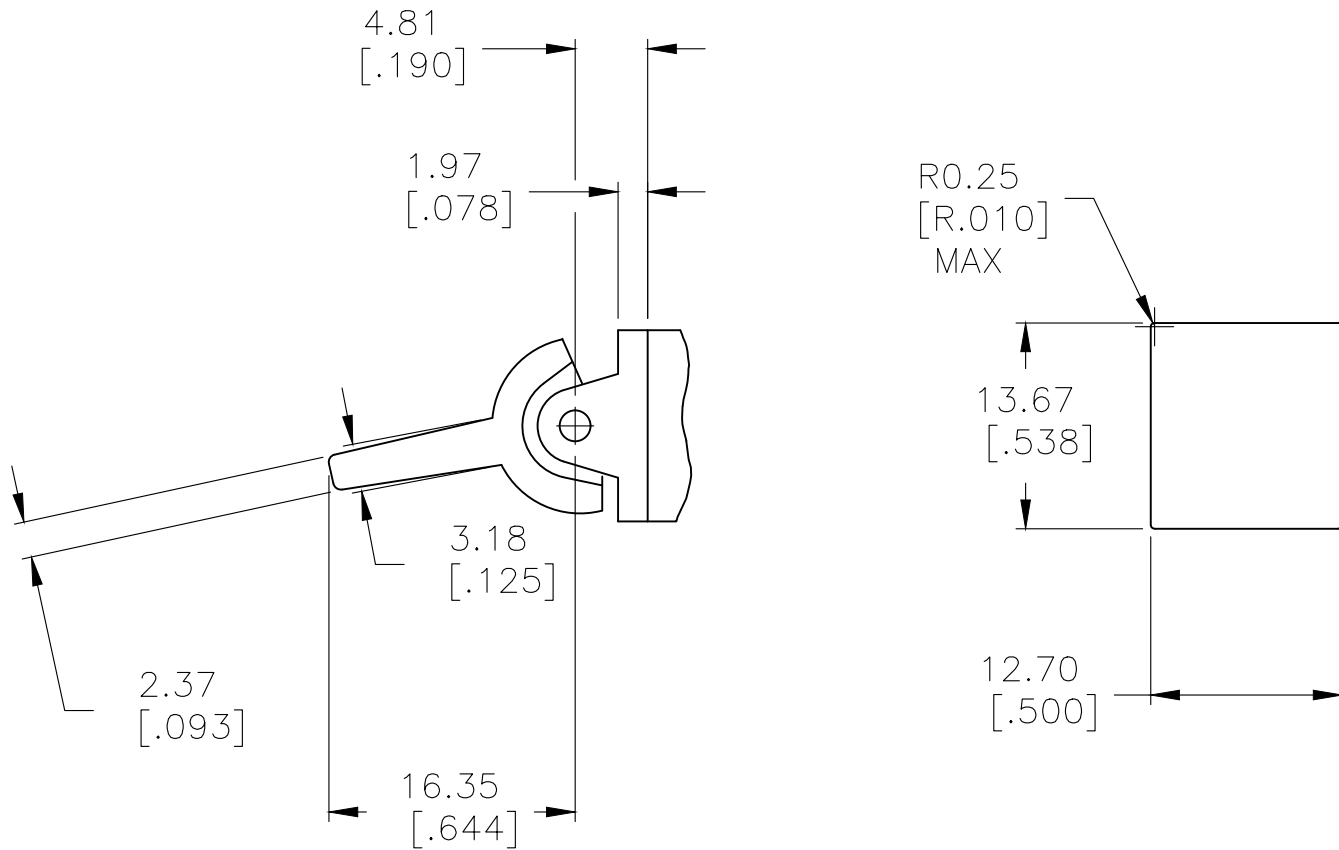
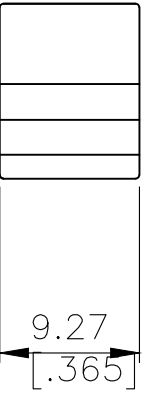
A



D

C

J2 SHOWN WITH PC MOUNT ACTUATOR PIVOT



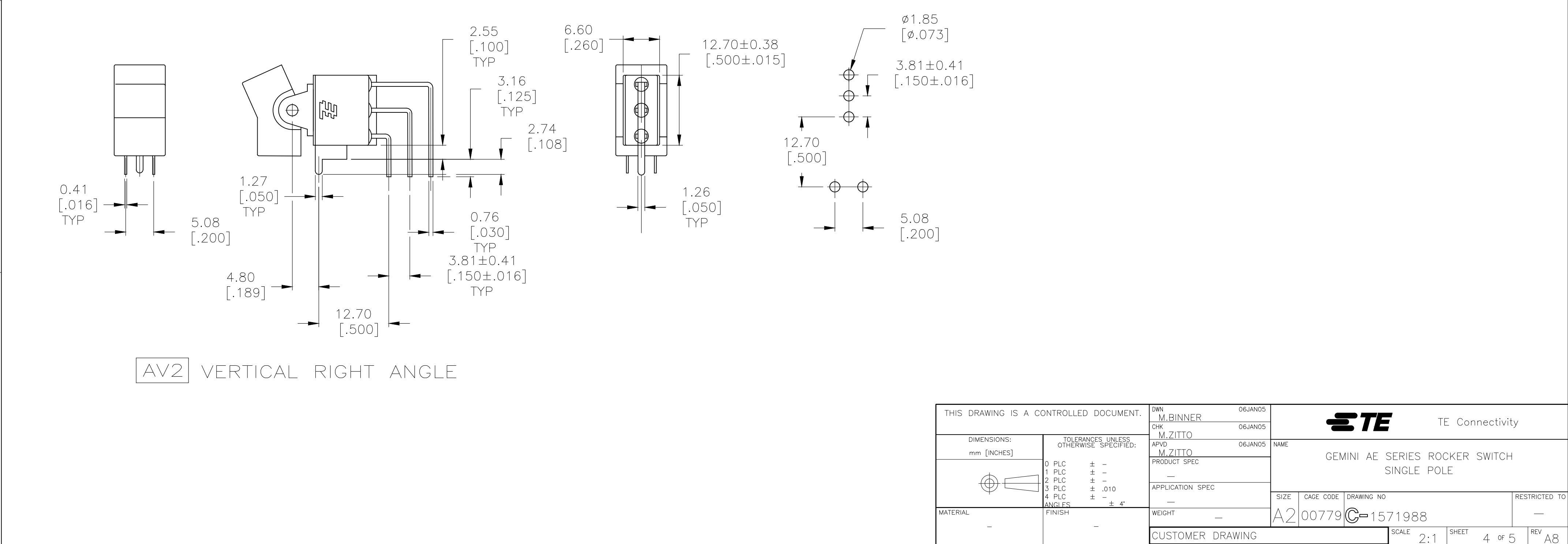
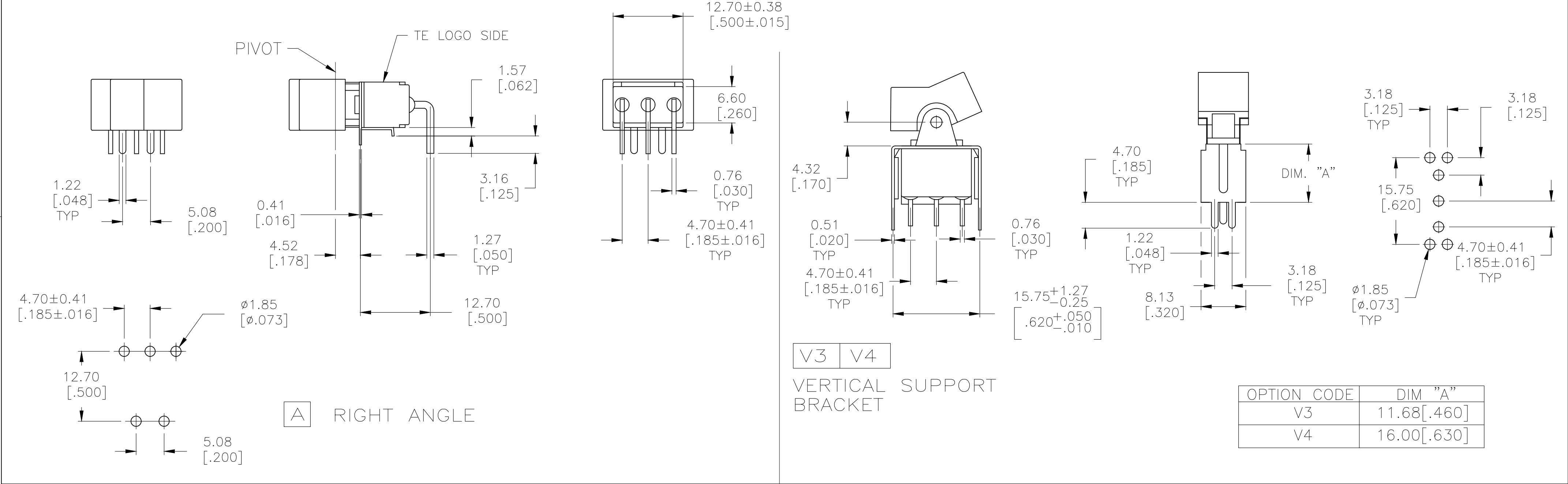
B

J60 SHOWN WITH PC MOUNT ACTUATOR PIVOT

1.52-3.17 [.060-.125]	15.75-15.87 [.620-.625]
1.19-1.50 [.047-.059]	15.72 [.619]
PANEL THICKNESS	DIM "A"

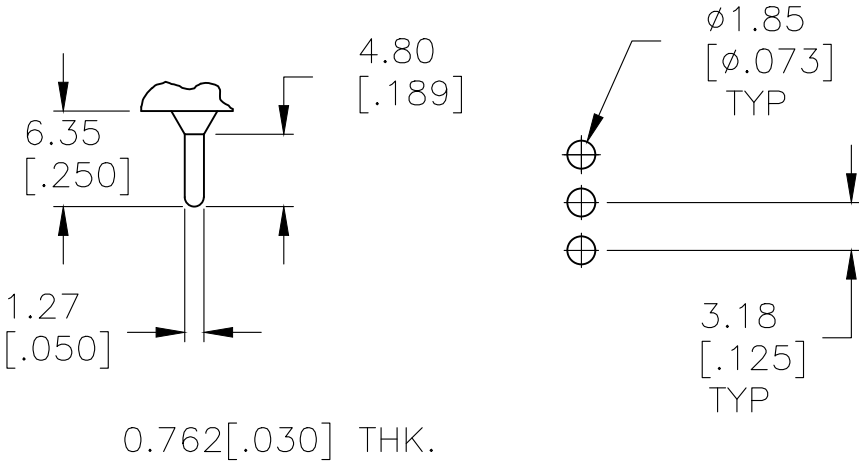
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 06JAN05	TE Connectivity			
DIMENSIONS: mm [INCHES]		CHK M.ZITTO 06JAN05				
		APVD M.ZITTO 06JAN05	NAME			
		PRODUCT SPEC	GEMINI AE SERIES ROCKER SWITCH SINGLE POLE			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	-			
0 PLC ± -		WEIGHT -	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
1 PLC ± -		A2 00779		C=1571988		-
2 PLC ± -		CUSTOMER DRAWING		SCALE	SHEET	REV
3 PLC ± .010		2:1		3 of 5		A8
4 PLC ± -						
ANGLES ± 4°						
FINISH -						

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

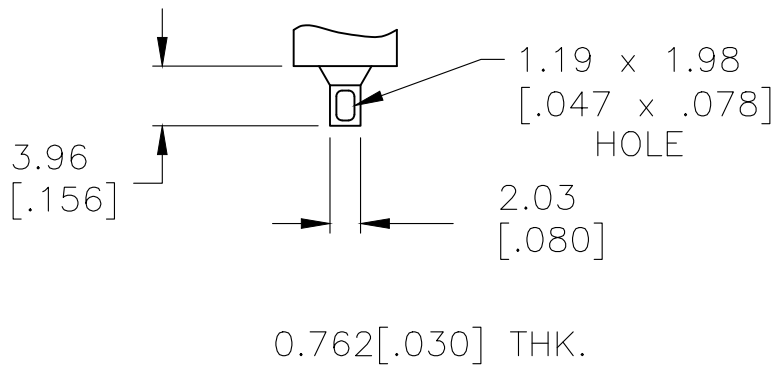


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TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	SIZE		
0 PLC ± -		—	CAGE CODE		
1 PLC ± -		—	DRAWING NO		
2 PLC ± -		—	RESTRICTED TO		
3 PLC ± .010		—	A2 00779 C-1571988		
4 PLC ± -		—	SCALE		
ANGLES ± 4°		—	2:1		
FINISH		—	SHEET		
—		—	4 OF 5		
MATERIAL		—	REV		
—		—	A8		
CUSTOMER DRAWING		—	—		

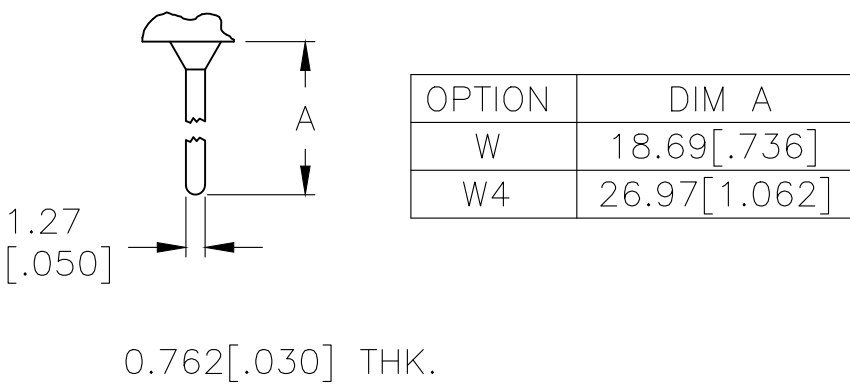
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—



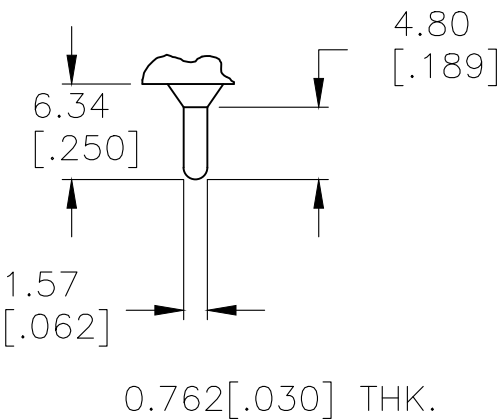
C PRINTED CIRCUIT



Z WIRE LUG



W W4 WIRE WRAP



Z3 QUICK CONNECT

MATERIALS CHART

COMPONENT NAME	BASE MATERIAL	FINISH
CASE & BUSHING	NYLON, RED, UL94 V-0	
O-RING	PVC, BLACK	
B TERMINALS & CONTACTS	COPPER	GOLD NICKEL
G TERMINALS & CONTACTS	COPPER	GOLD OVER SILVER
Q TERMINALS & CONTACTS	COPPER	SILVER
ACTUATOR	PHENOLIC, BLACK, UL94 V-1	
ACTUATOR LEVER	ZINC ALLOY	NICKEL
SPRING	MUSIC WIRE	
PIVOT PIN	STEEL	NICKEL
MOUNTING BRACKET	NYLON, UL94 V-1	
ROCKER CAP	NYLON, UL94 V-1	
TERMINAL SEAL	EPOXY, UL94V-0	
MARKING	INK, BLACK	
SUPPORT BRACKET	BRASS	TIN
RETAINER	STAINLESS STEEL	

OBSOLETE	AE101J1CB004	1-1571988-8
PRELIMINARY	AE101J3V31Q004	1-1571988-7
OBSOLETE	AE108J60V3B004	1-1571988-6
	AE108J1ZQ004	1-1571988-5
	AE107J1ZQ004	1-1571988-4
	AE107J1AQ004	1-1571988-3
	AE105J60V3B004	1-1571988-2
	AE105J1ZB004	1-1571988-1
	AE105J1V3B004	1-1571988-0
	AE105J1AQ004	1571988-9
	AE103J60V3Q204	1571988-8
	AE103J50V3B004	1571988-7
	AE101J1V3Q004	1571988-6
	AE101J1V3B004	1571988-5
	AE101J1AV2Q004	1571988-4
	AE101J1AQ404	1571988-3
	AE101J1AQ004	1571988-2
	AE101J1AB004	1571988-1
	ALCO P/N	TE P/N

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		PRODUCT SPEC	GEMINI AE SERIES ROCKER SWITCH SINGLE POLE						
MATERIAL		FINISH	APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO		
-		-	WEIGHT	A2	00779	C=1571988	-		
CUSTOMER DRAWING				SCALE	2:1	SHEET	5 OF 5	REV	A8

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