

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

EPOXY SEAL

1

2

3

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]

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

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.

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	

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 ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .010

4 PLC ± -

ANGLES ± 4°

FINISH -

TE Connectivity

GEMINI AE SERIES ROCKER SWITCH SINGLE POLE

SIZE A2

CAGE CODE 00779

DRAWING NO C-1571988

RESTRICTED TO -

SCALE 2:1

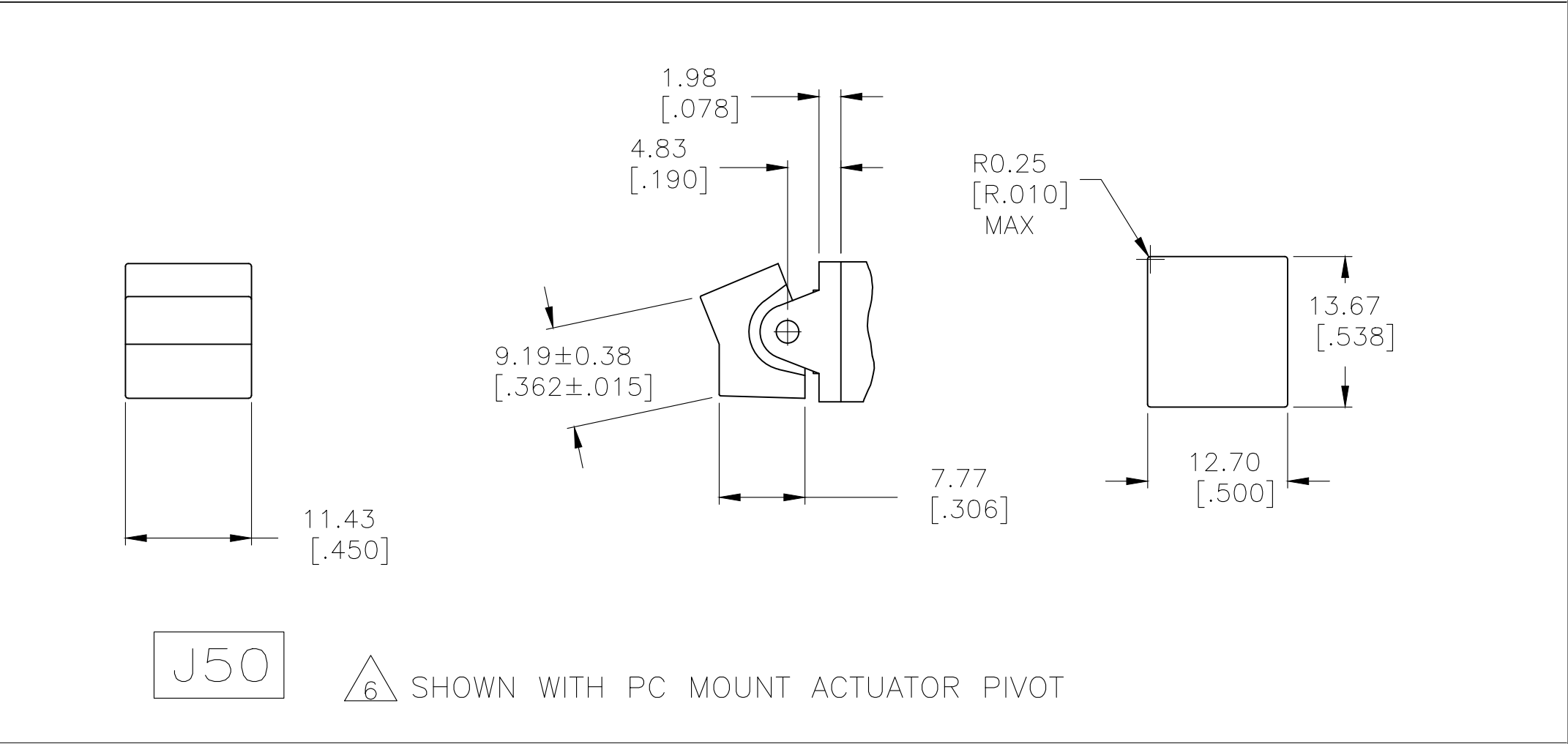
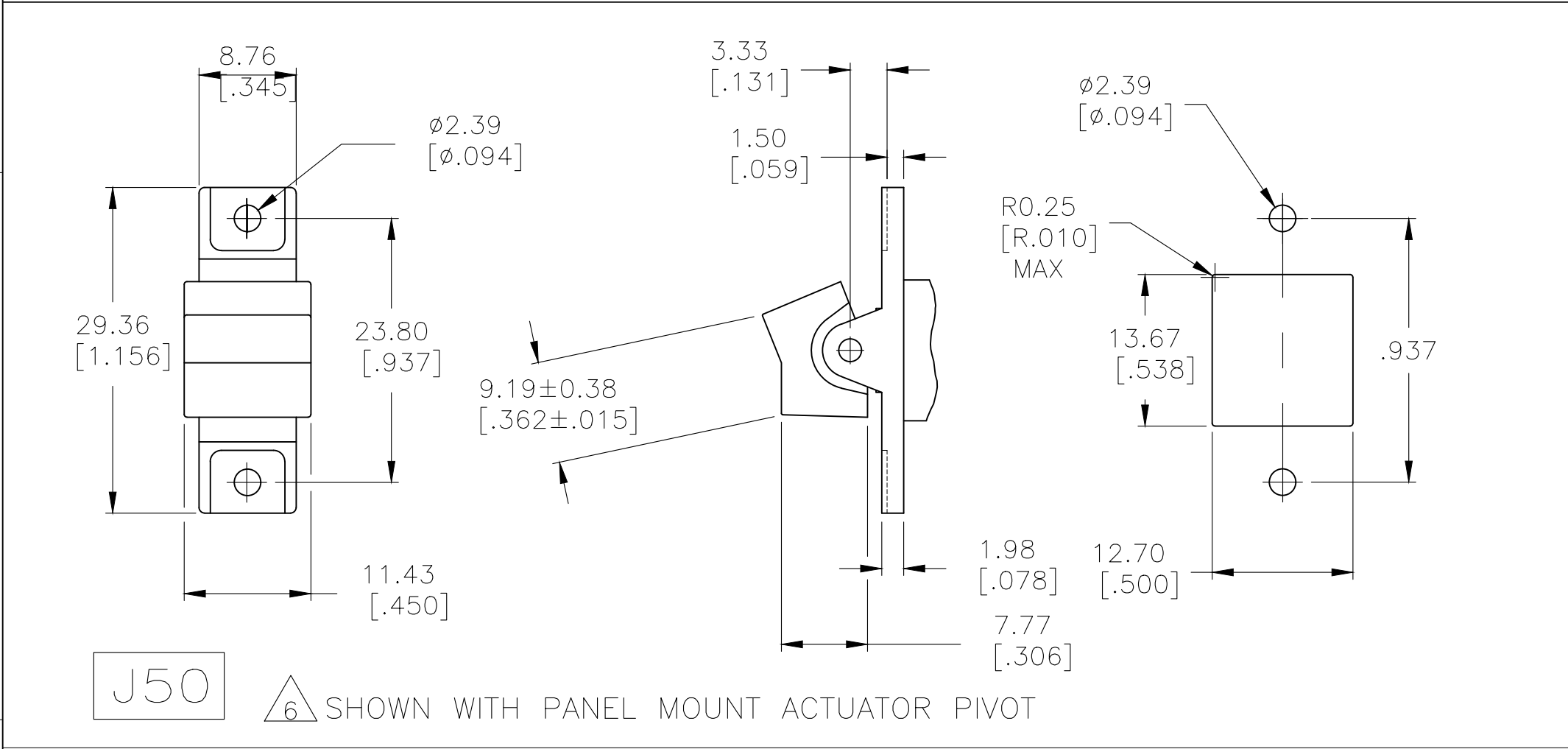
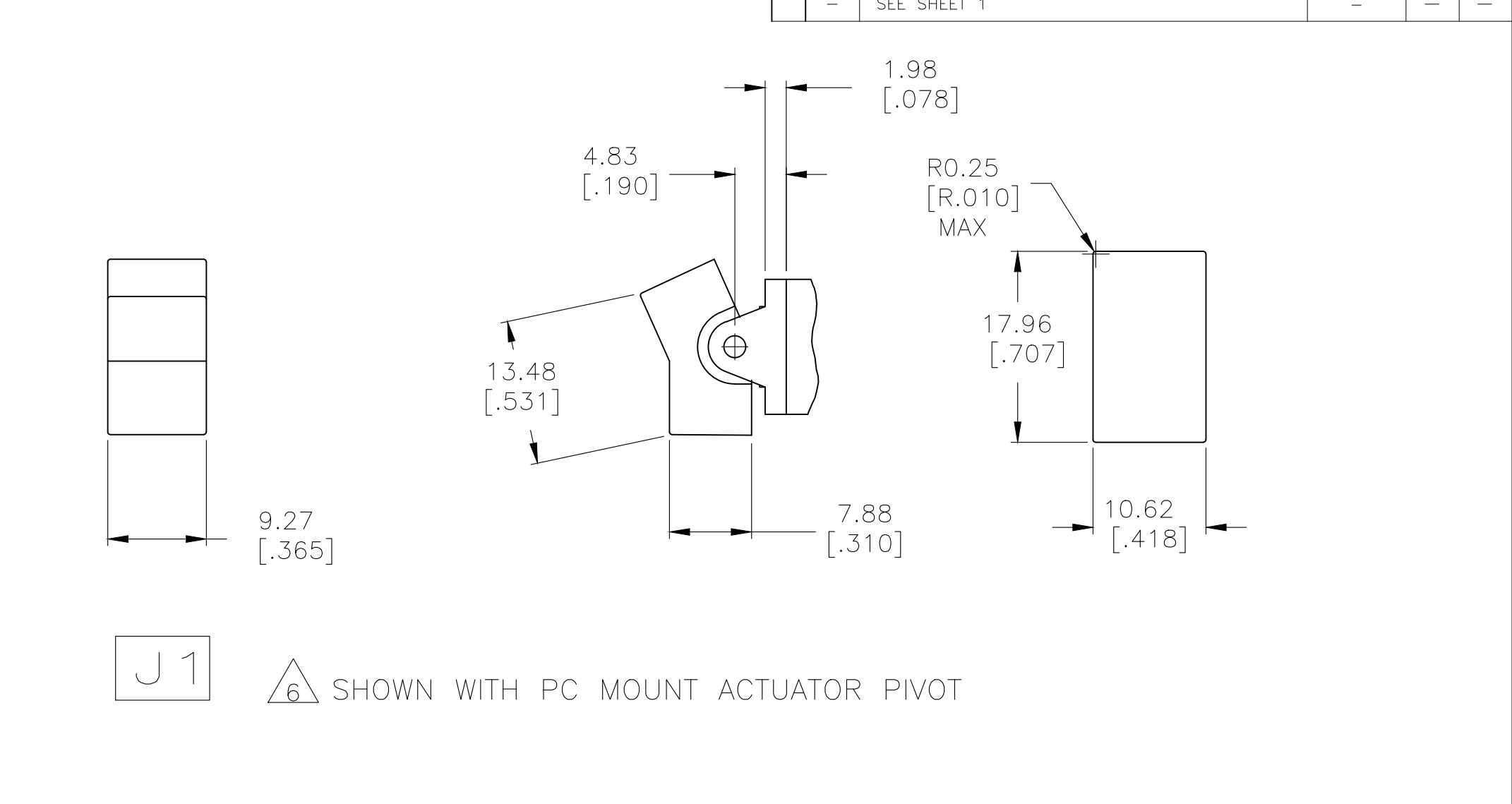
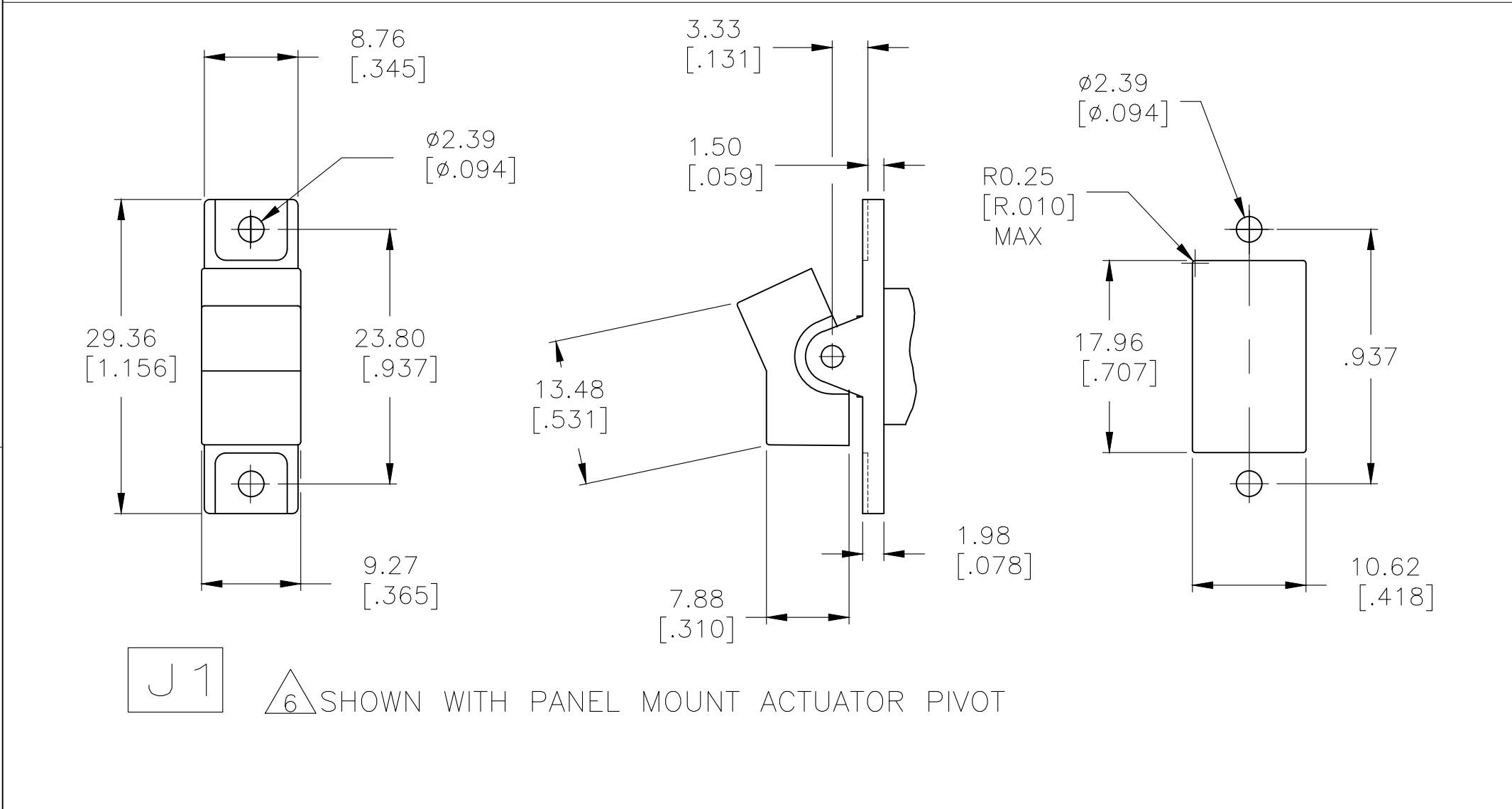
SHEET 1 OF 5

REV A8

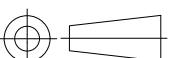
1571988

1471-9 (1/15)

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



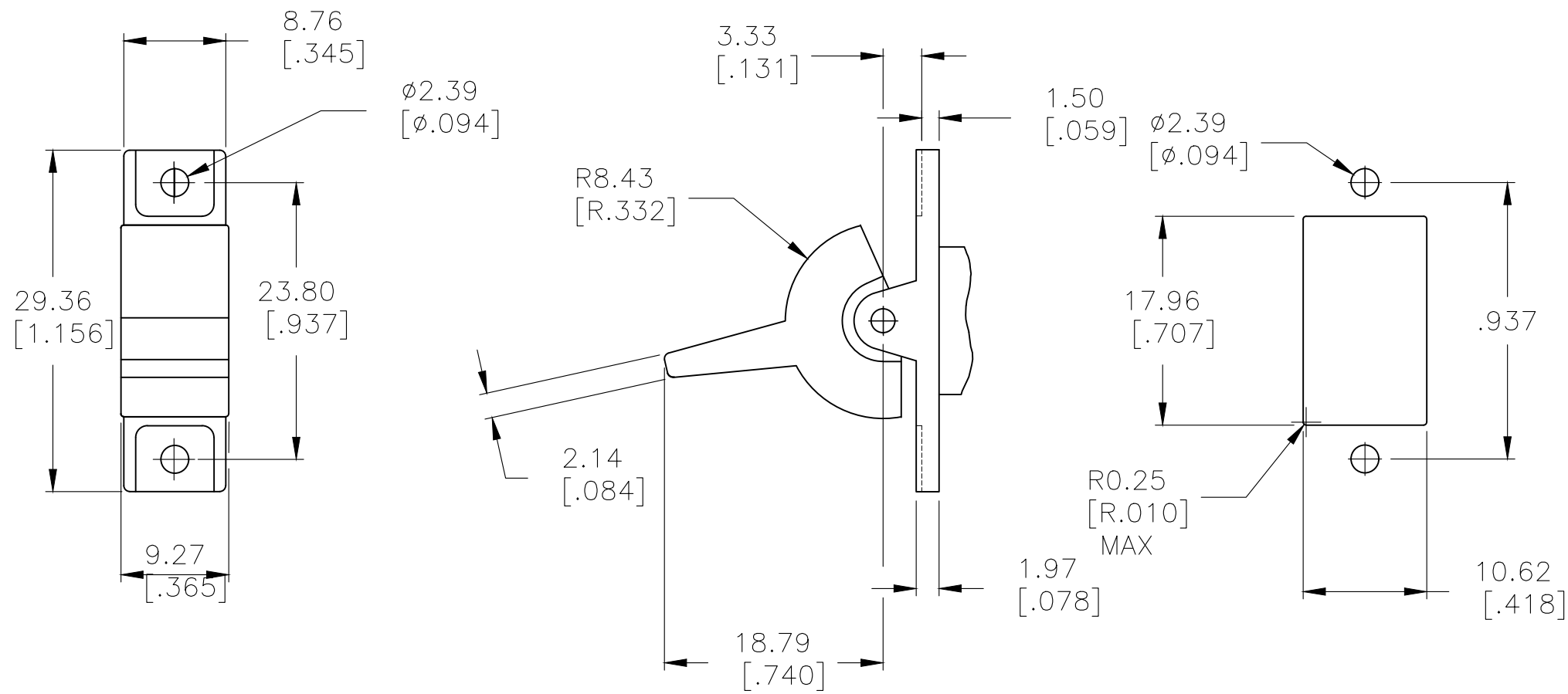
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1.19–1.50[.047–.059]		15.72[.619]	
PANEL THICKNESS		DIM "A"	

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

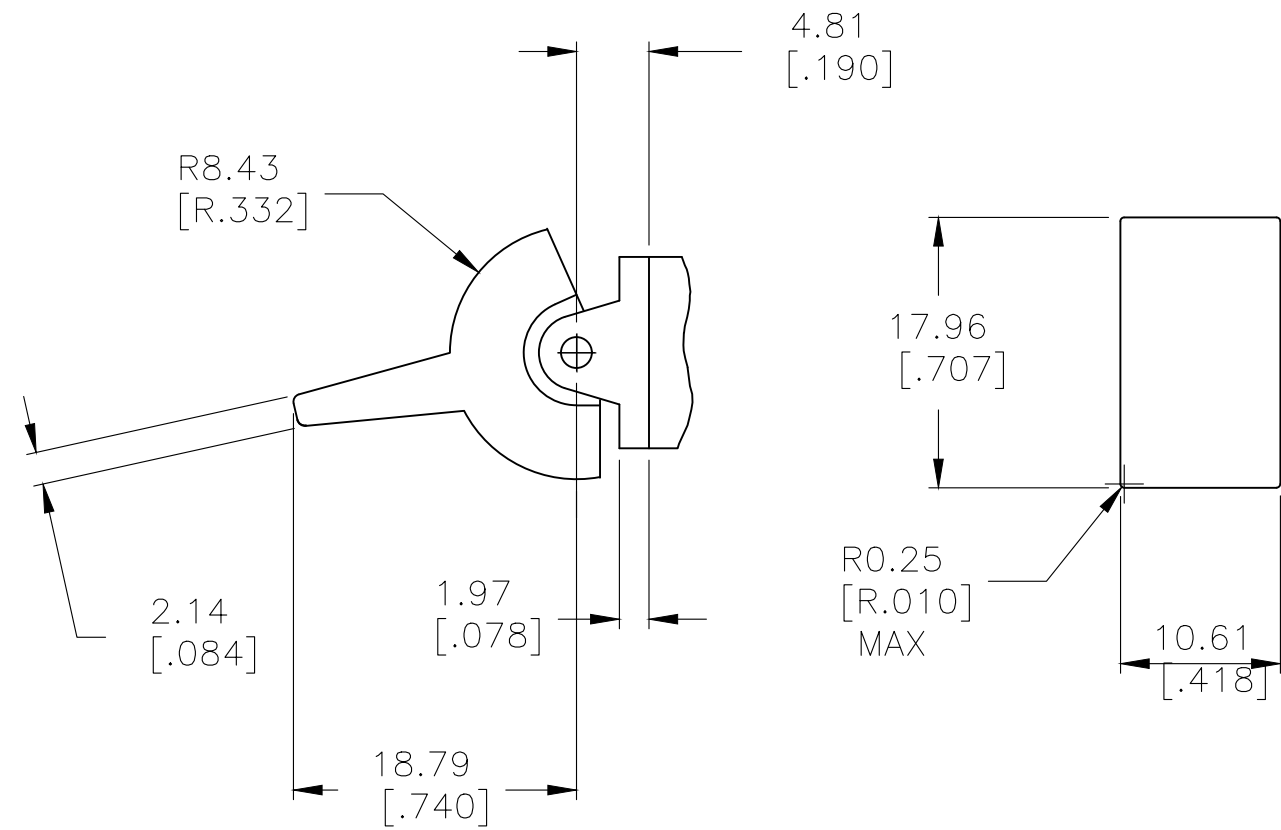
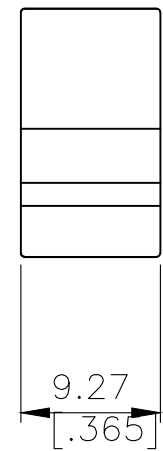
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

D

C

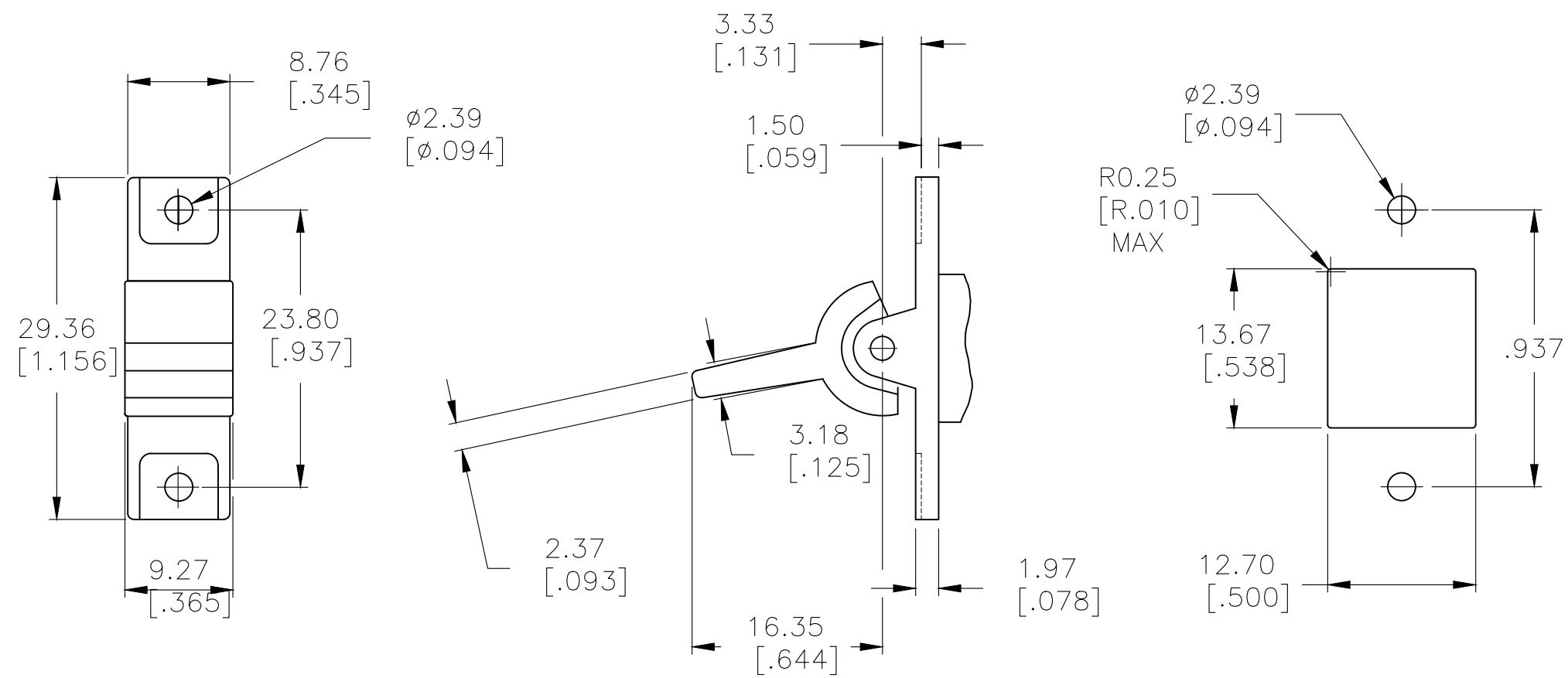


J2 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT

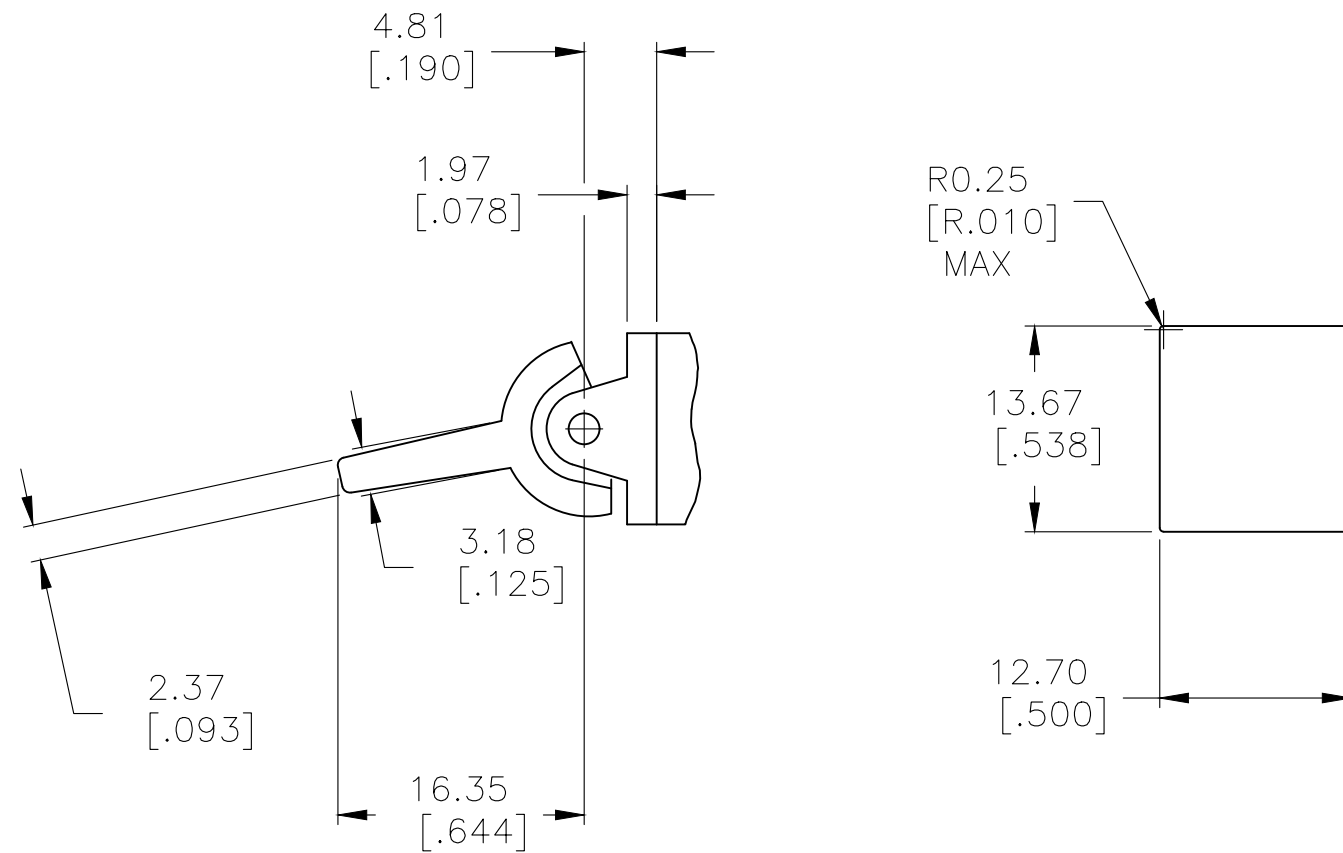
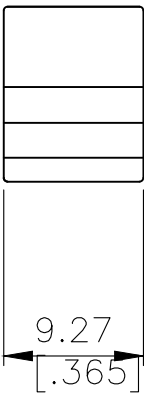


J2 SHOWN WITH PC MOUNT ACTUATOR PIVOT

B



J60 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT



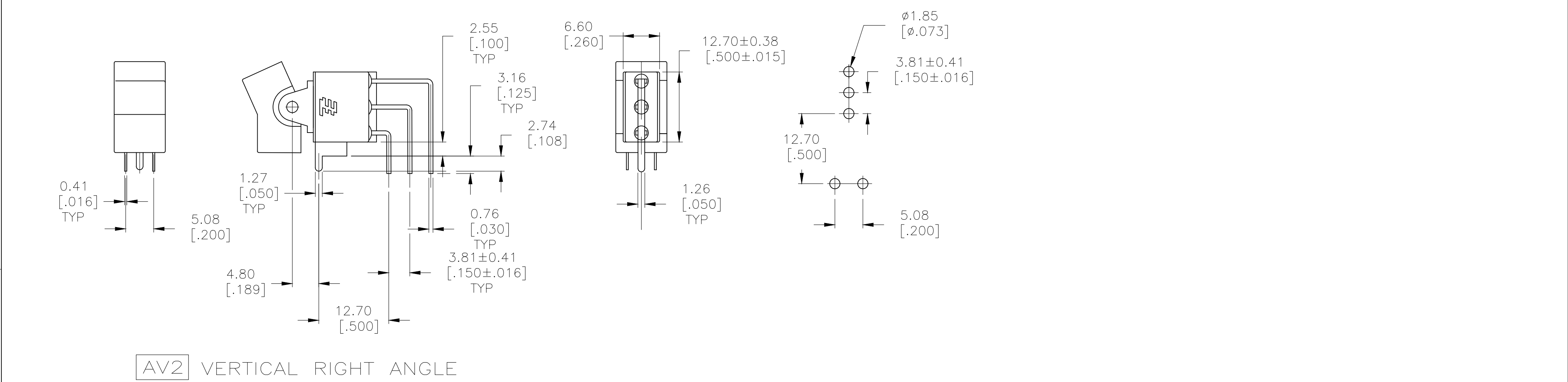
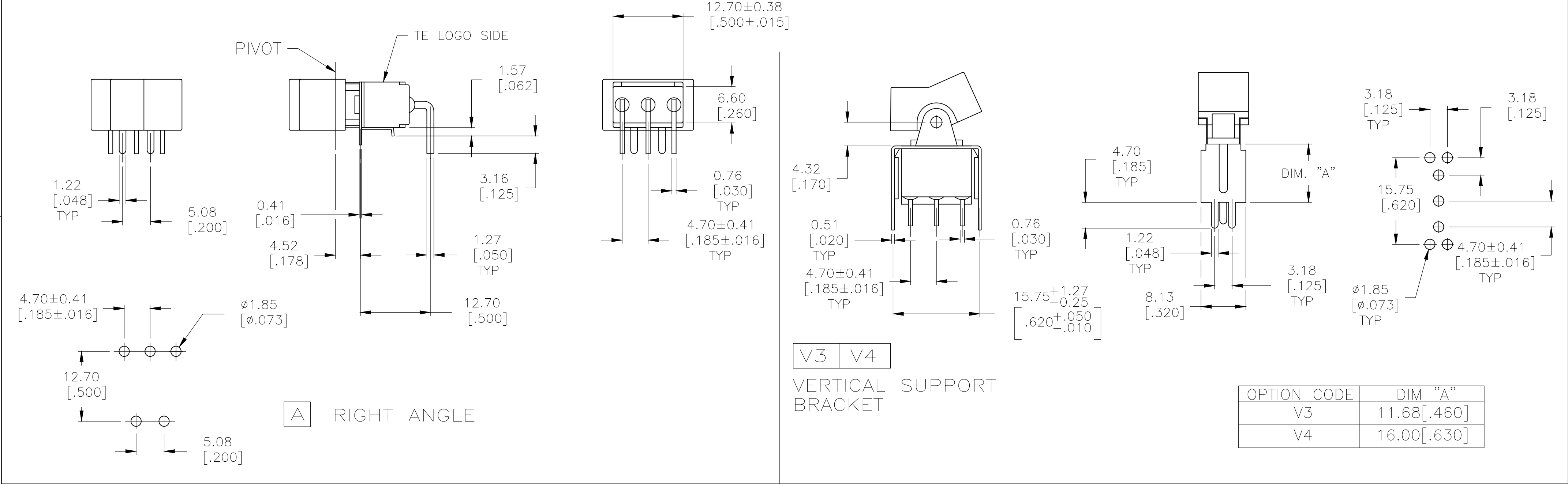
J60 SHOWN WITH PC MOUNT ACTUATOR PIVOT

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"

A

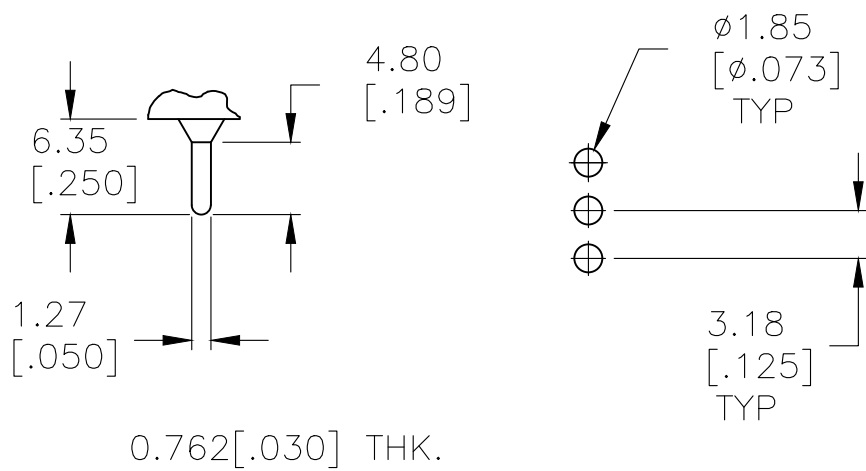
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 06JAN05	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK M.ZITTO 06JAN05			
		APVD M.ZITTO 06JAN05	NAME		
		PRODUCT SPEC	GEMINI AE SERIES ROCKER SWITCH SINGLE POLE		
MATERIAL		APPLICATION SPEC	—		
		WEIGHT	—	RESTRICTED TO	
FINISH		—	SIZE A2	CAGE CODE 00779	DRAWING NO. C=1571988
—		CUSTOMER DRAWING	SCALE 2:1	SHEET 3 OF 5	REV A8

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

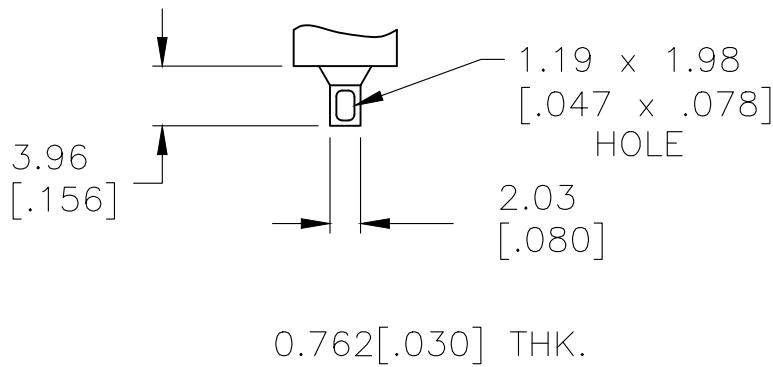


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 06JAN05	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK M.ZITTO 06JAN05			
		APVD M.ZITTO 06JAN05	NAME		
		PRODUCT SPEC	GEMINI AE SERIES ROCKER SWITCH SINGLE POLE		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	SIZE		
0 PLC ± -		—	CAGE CODE		
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		
—		—	REV		
—		—	A8		

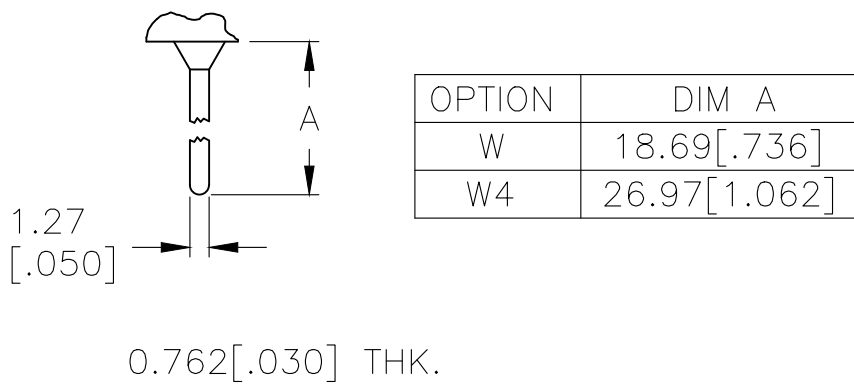
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P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—



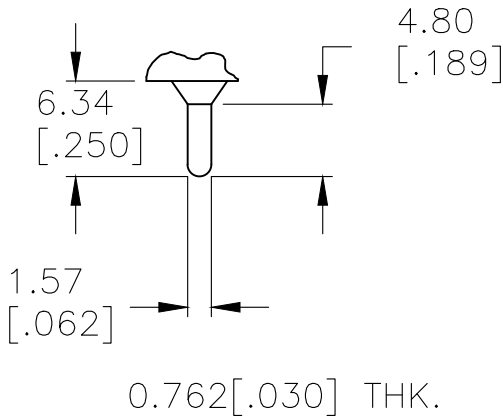
C PRINTED CIRCUIT



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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DWN

M.BINNER

06JAN05

CHK

M.ZITTO

06JAN05

APVD

M.ZITTO

06JAN05

DIMENSIONS:

mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .010

4 PLC ± -

ANGLES ± 4°

MATERIAL

-

FINISH

-

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME

GEMINI AE SERIES ROCKER SWITCH SINGLE POLE

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A2

00779

C=1571988

SCALE

2:1

SHEET

5 of 5

REV

A8

Mouser Electronics

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