

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]

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

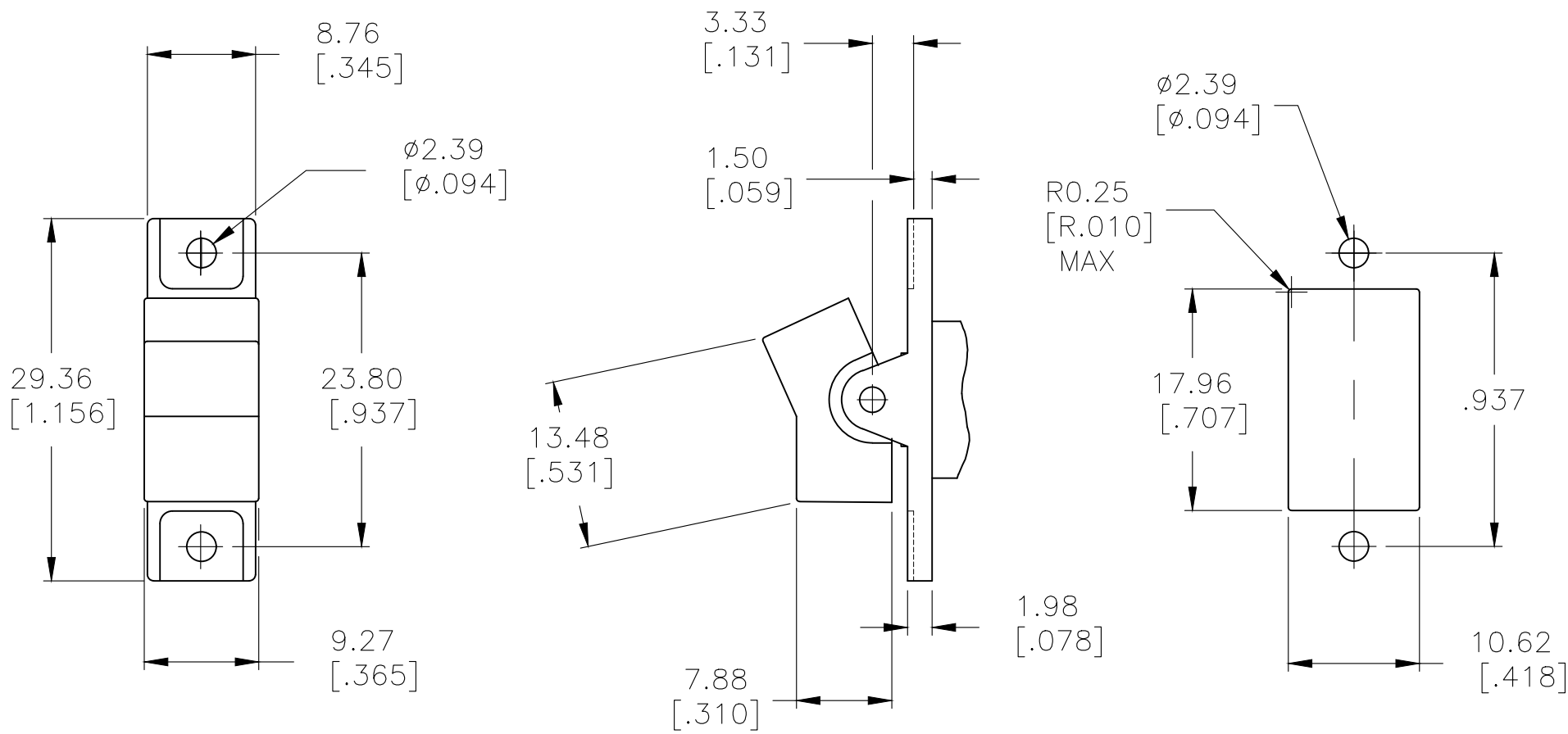
REV A8

1571988

1471-9 (1/15)

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

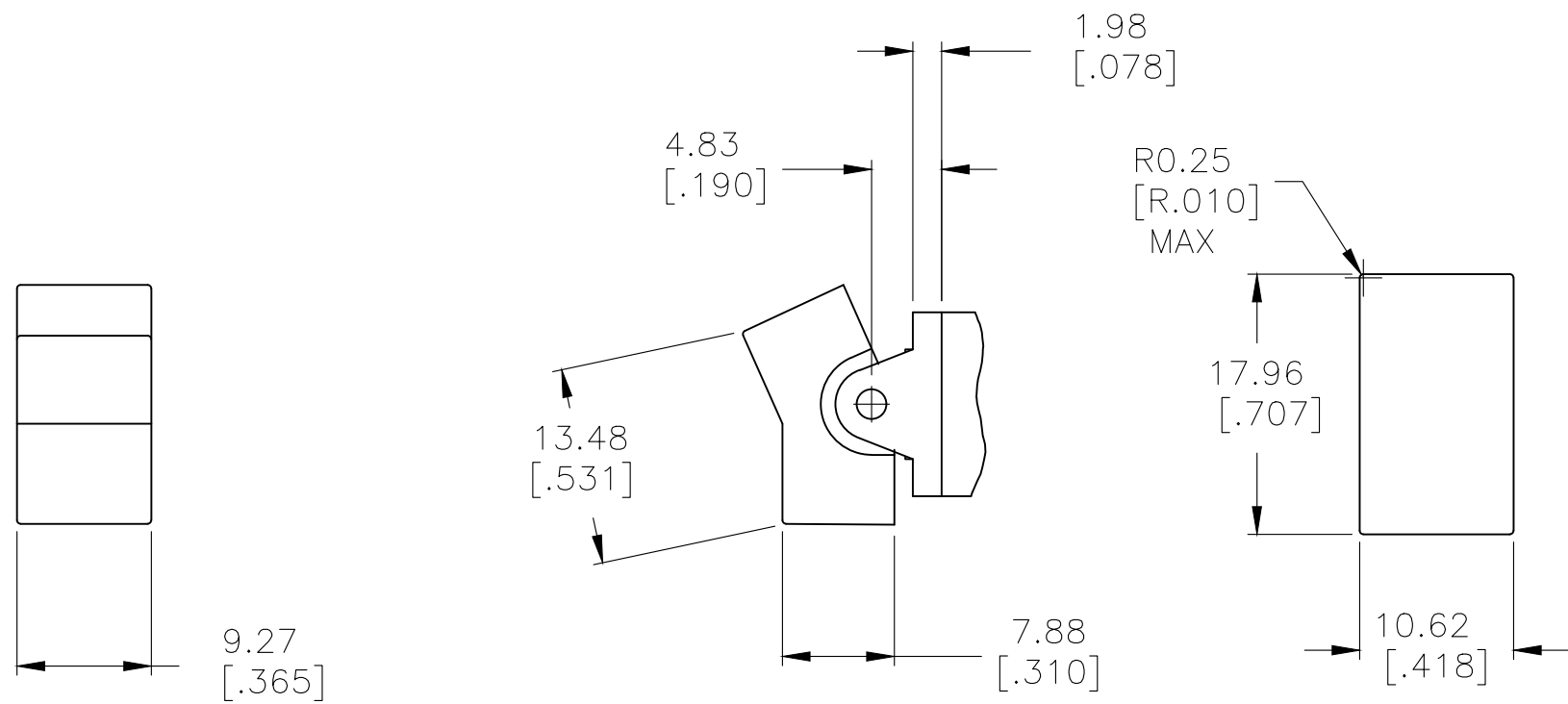
D



C

J1 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT

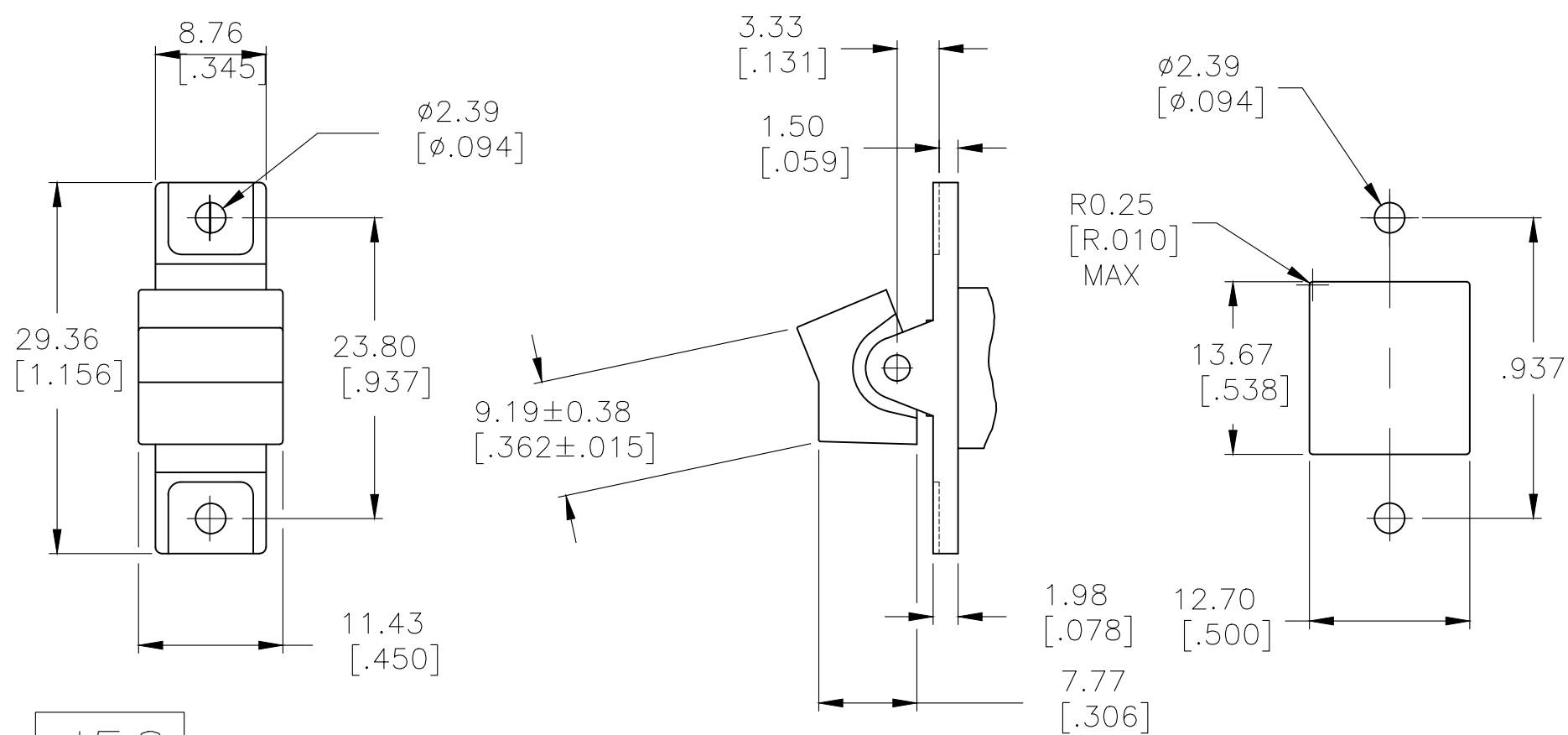
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C

J1 SHOWN WITH PC MOUNT ACTUATOR PIVOT

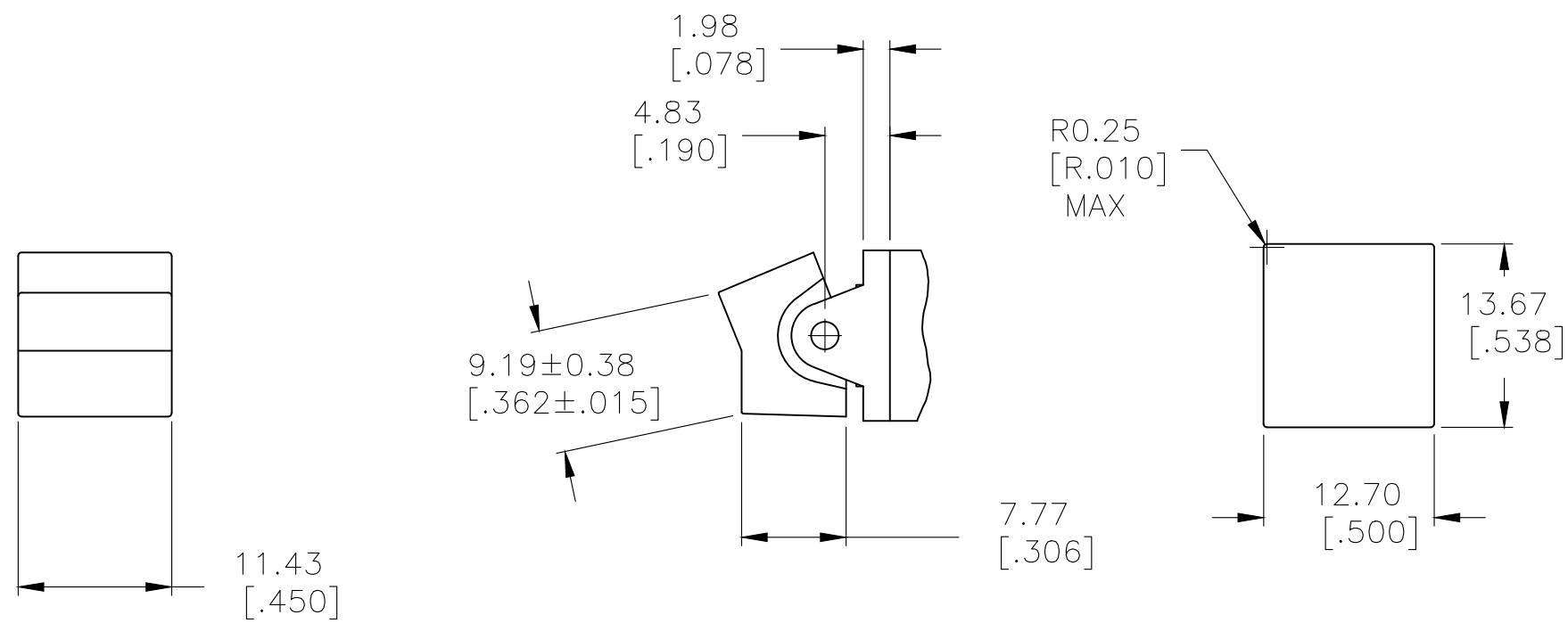
B



J50 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT

1571988

B



J50 SHOWN WITH PC MOUNT ACTUATOR PIVOT

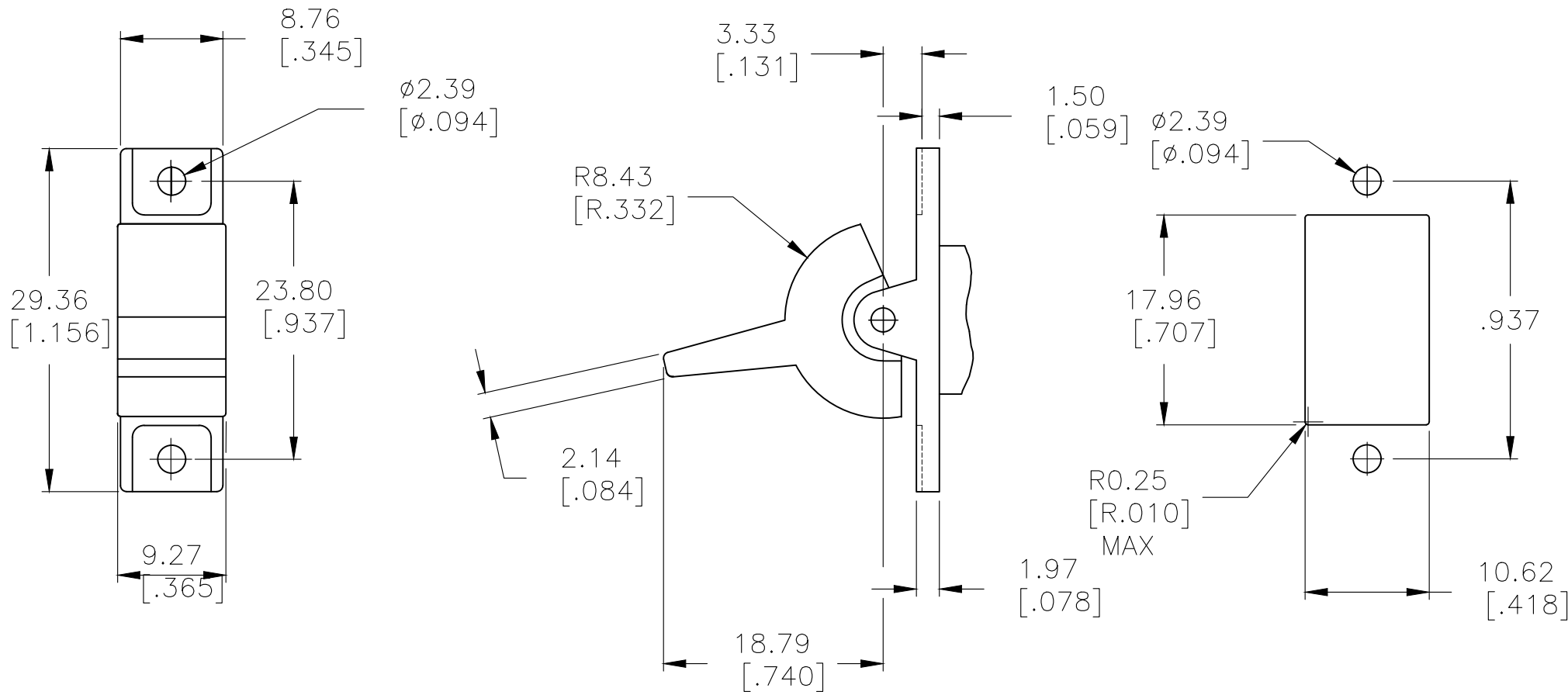
A

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

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

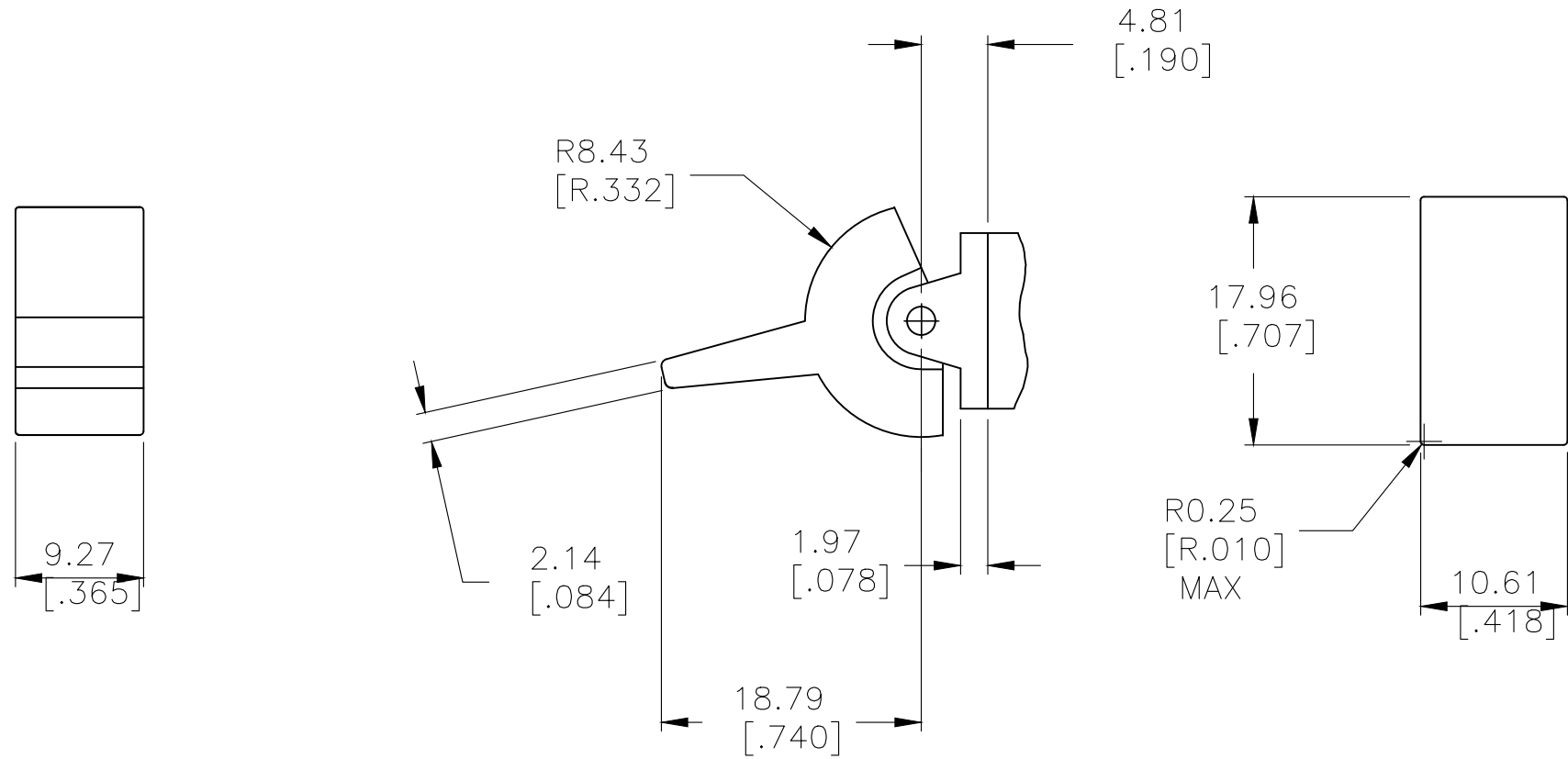
D



C

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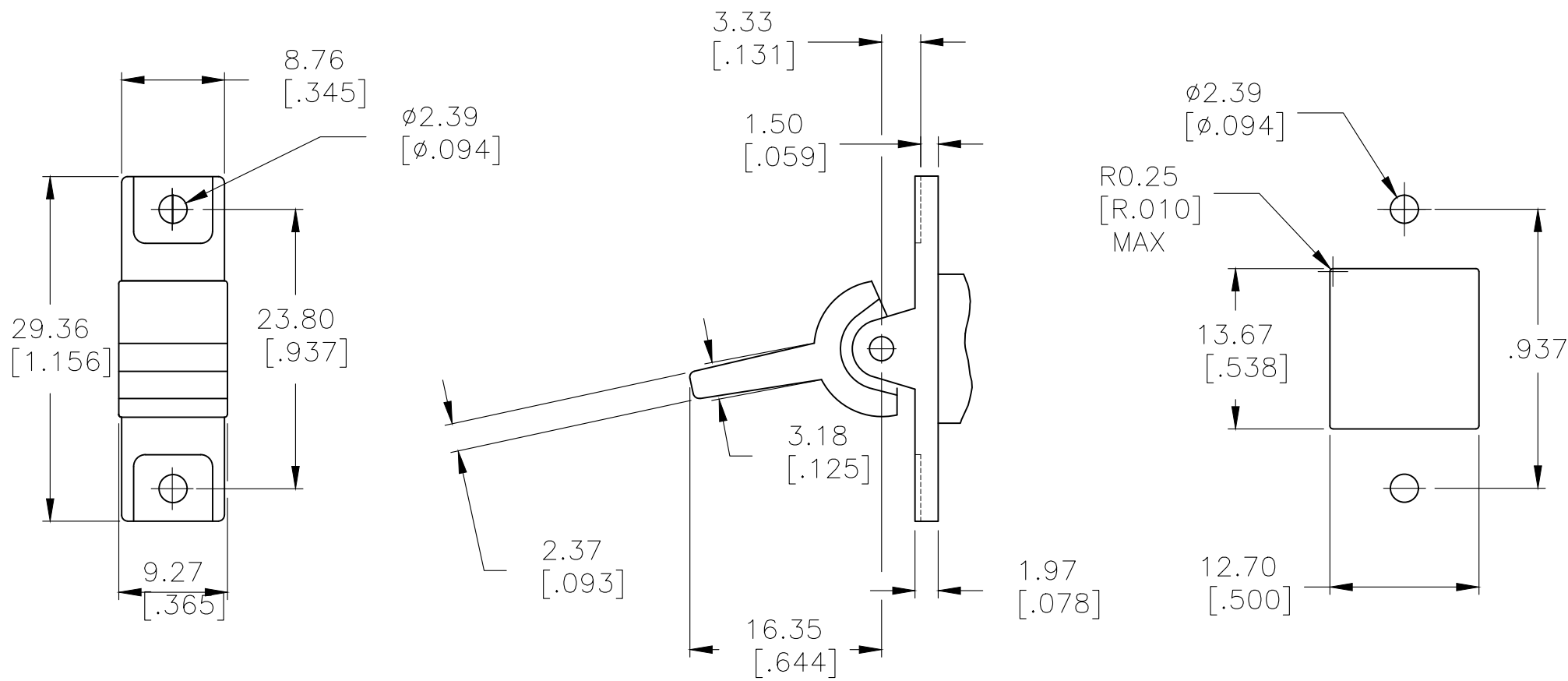
D



C

J2 SHOWN WITH PC MOUNT ACTUATOR PIVOT

B

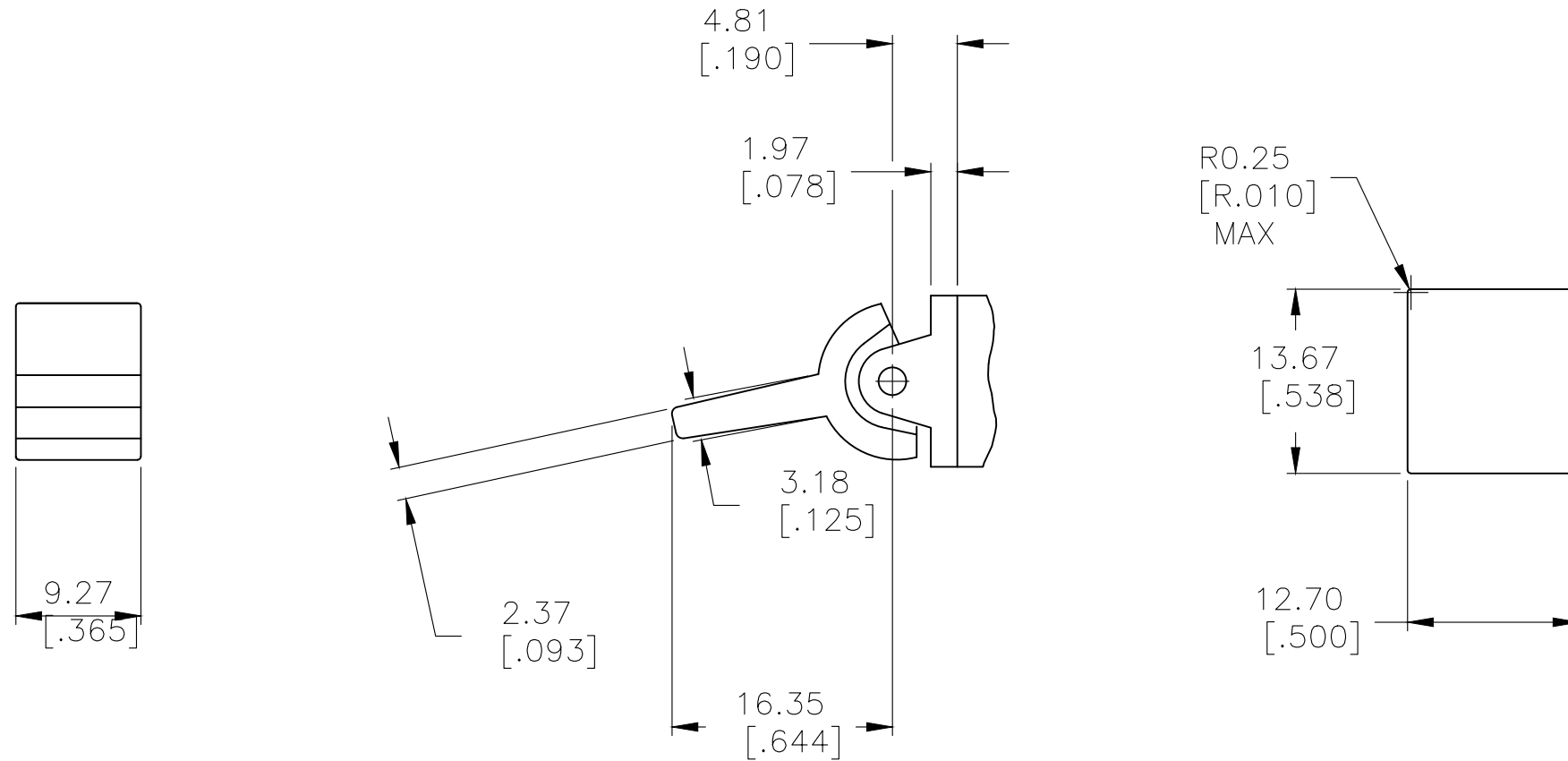


A

J60 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT

1571988

B

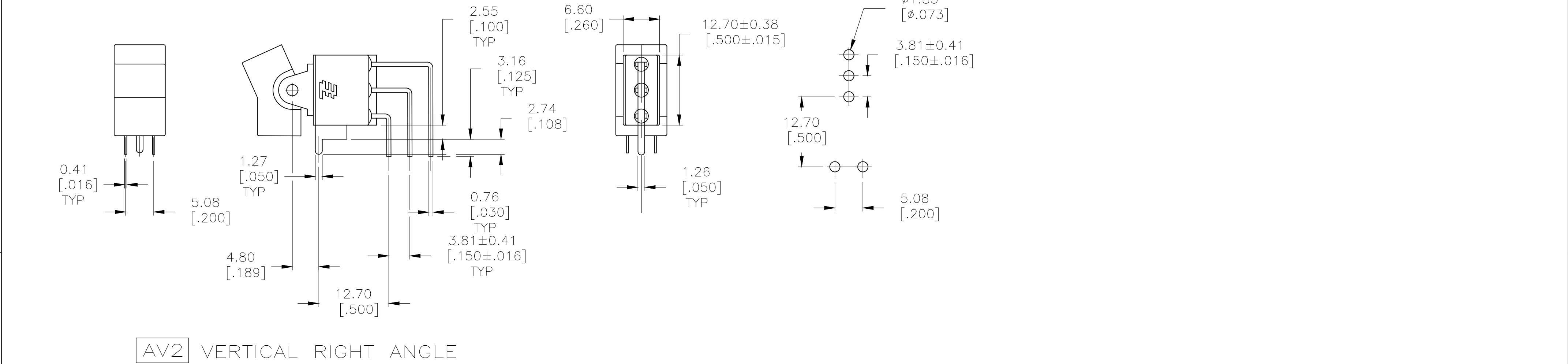
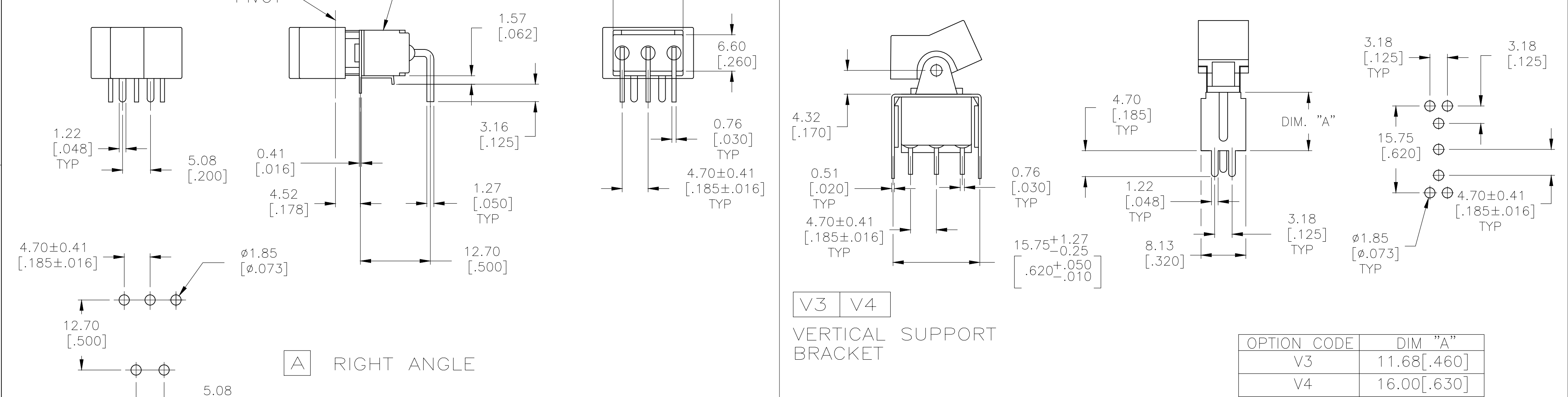


J60 SHOWN WITH PC MOUNT ACTUATOR PIVOT

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 ± — 1 PLC ± — 2 PLC ± — 3 PLC ± .010 4 PLC ± — ANGLES ± 4°		—	SIZE	CAGE CODE	DRAWING NO
MATERIAL		FINISH	—	—	—
—		—	WEIGHT	—	—
—		—	CUSTOMER DRAWING	SCALE	SHEET
—		—	—	2:1	3 of 5
—		—	—	REV	A8

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



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DWN
M.BINNER
06JAN05

CHK
M.ZITTO
06JAN05

APVD
M.ZITTO
06JAN05

TE Connectivity

GEMINI AE SERIES ROCKER SWITCH
SINGLE POLE

PRODUCT SPEC

APPLICATION SPEC

WEIGHT —

CUSTOMER DRAWING

SIZE
A2

CAGE CODE
00779

DRAWING NO
C-1571988

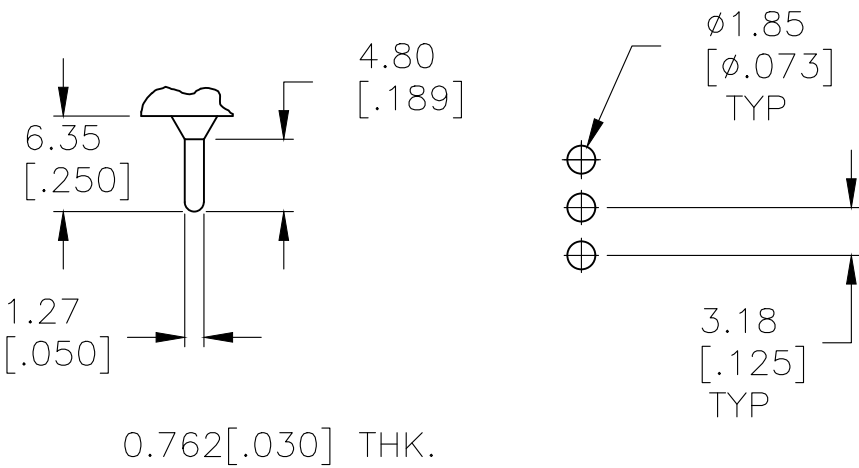
SCALE
2:1

SHEET
4 OF 5

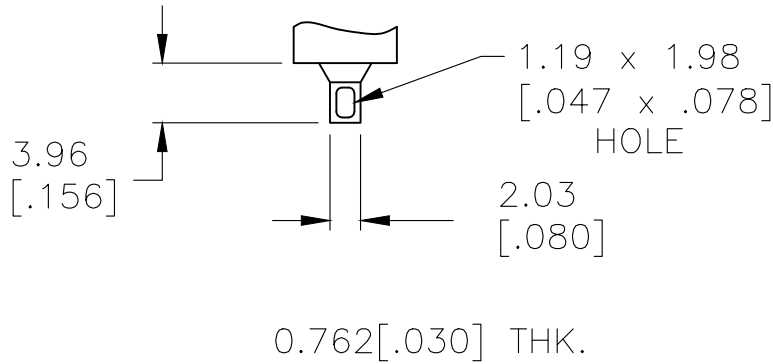
REV
A8

RESTRICTED TO
—

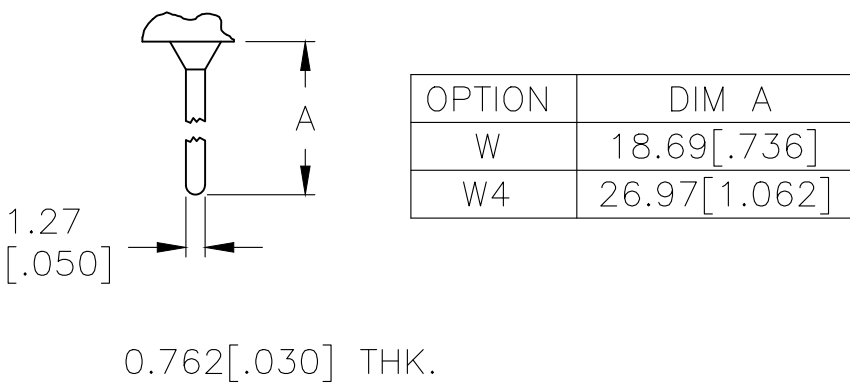
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—



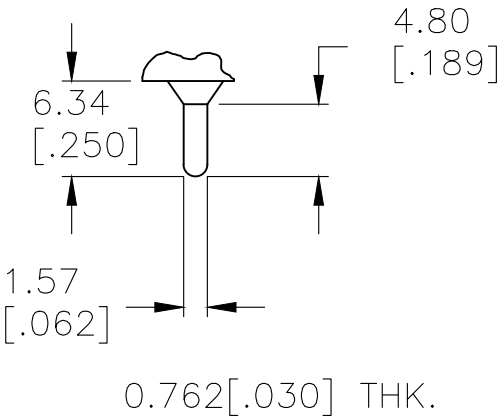
C PRINTED CIRCUIT



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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DIMENSIONS: mm [INCHES]		CHK M.ZITTO 06JAN05			
		APVD M.ZITTO 06JAN05	NAME GEMINI AE SERIES ROCKER SWITCH SINGLE POLE		
		PRODUCT SPEC			
MATERIAL —		APPLICATION SPEC	SIZE A2		
		—	CAGE CODE 00779		
FINISH —		WEIGHT	DRAWING NO 1571988		
		CUSTOMER DRAWING	RESTRICTED TO —		
		SCALE 2:1	SHEET 5 of 5		REV A8