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TE LOGO

3

2A 250VAC

5A 120VAC

RATING

12.70±0.38

[.500±.015]

DATE CODE

04-YEAR

01-WEEK

AND

COUNTRY

OF ORIGIN

8

EPOXY SEAL

4.83

[.190]

11.43

[.450]

ON ON

ALCO

IP 67

FUNCTION

9.40

[.370]

10.39

[.409]

4.70±0.41

[.185±.016]

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

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

SP3T FUNCTION ACHIEVED WITH FUNCTIONS 11, 13 & 15 BY CUSTOMER APPLIED JUMPER BETWEEN TERMINALS 3 AND 5.

8

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

9

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, 5-6	---	1-2, 4-5

11	ON	ON	ON
13	ON	ON	(ON)
15	(ON)	ON	(ON)
TERMINALS CONNECTED	2-3, 5-6	2-3, 4-5	1-2, 4-5

SP3T SCHEMATIC

(11, 13 & 15 ONLY)

NOTE 7

IN 2, OUT 6	IN 2, OUT 4	IN 2, OUT 1

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
AE2						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	
	11		W		5 GREEN	
	13		W4		6 BLUE	
	15		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

SCALE

2:1

SHEET

1 OF 5

REV

A7

DIMENSIONS:

mm [INCHES]

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .010

4 PLC ± -

ANGLES ± 4°

FINISH

-

TE Connectivity

GEMINI AE SERIES ROCKER SWITCH

DOUBLE POLE

SIZE

A2

CAGE CODE

00779

DRAWING NO

C=1571989

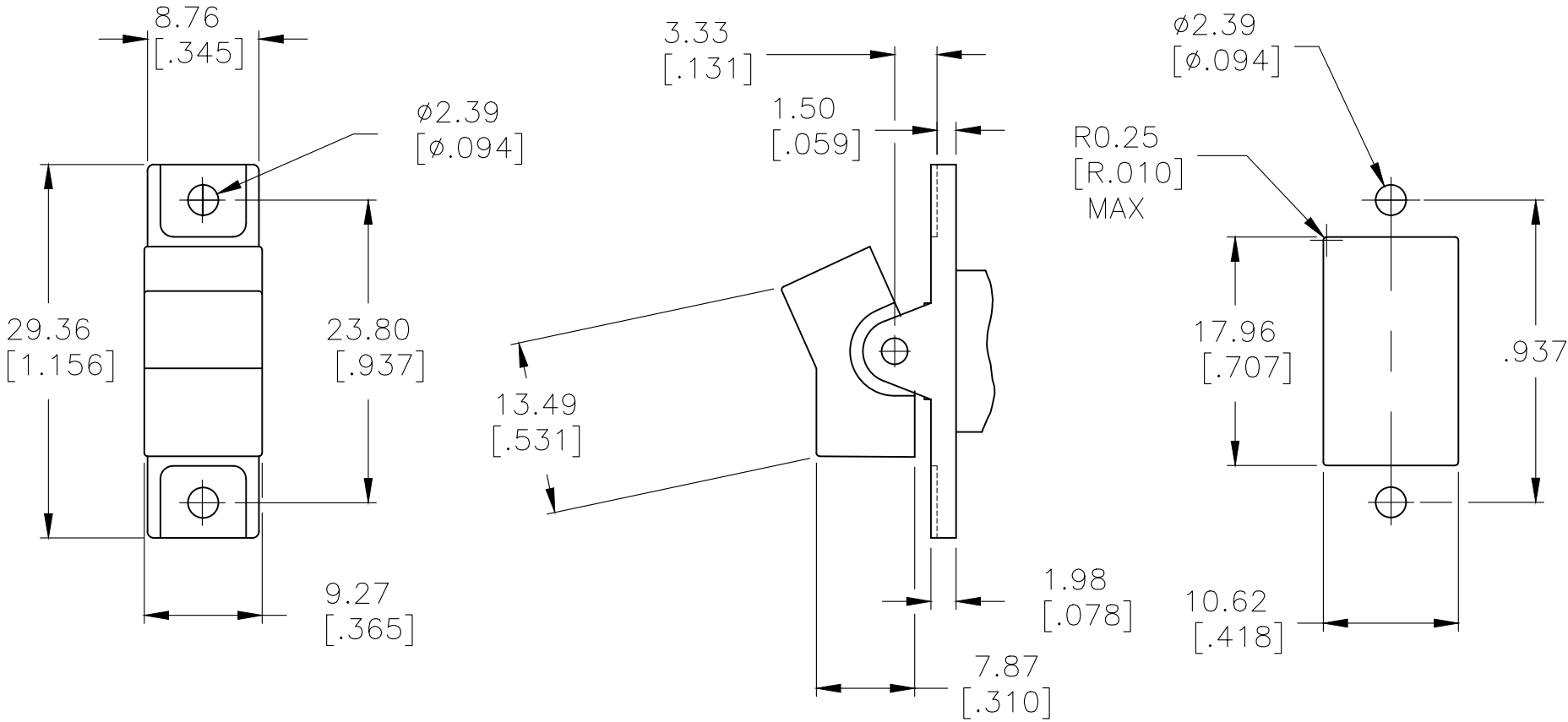
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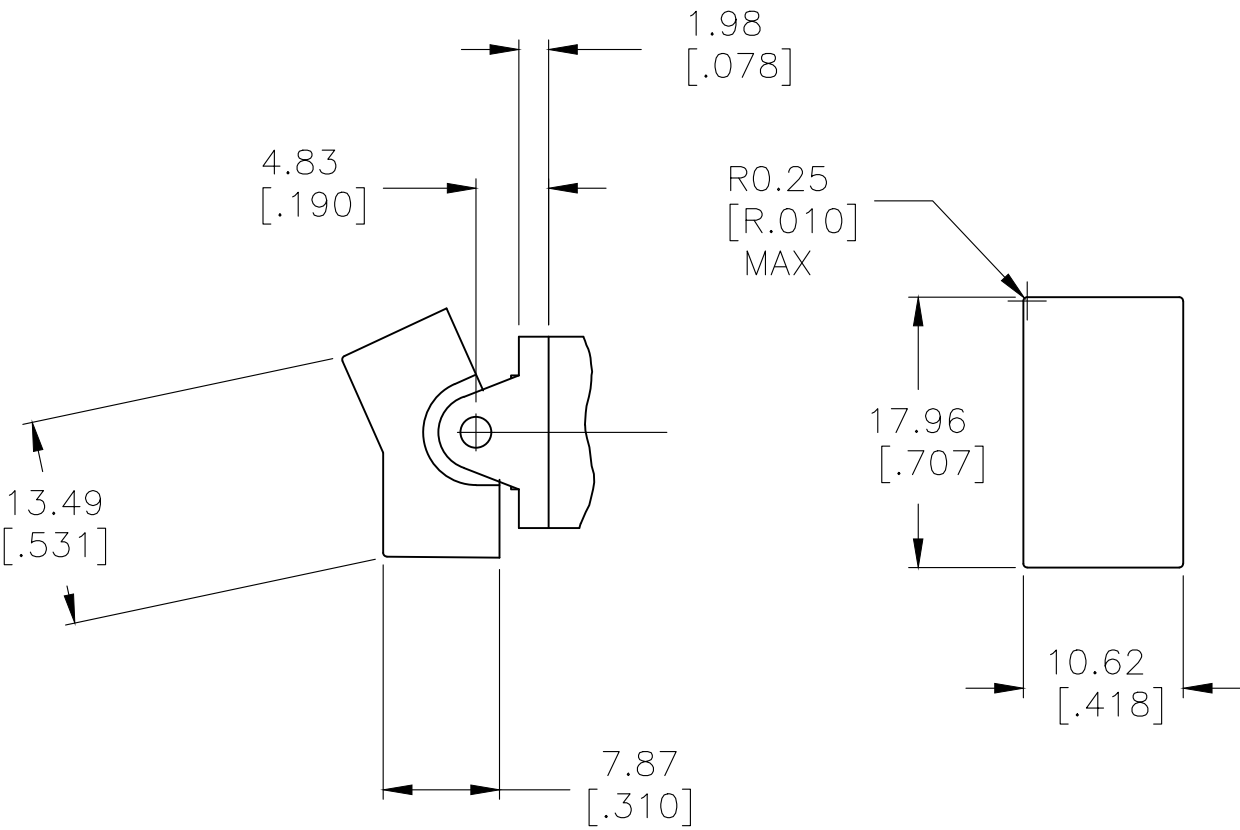
1471-9 (1/15)

1571989

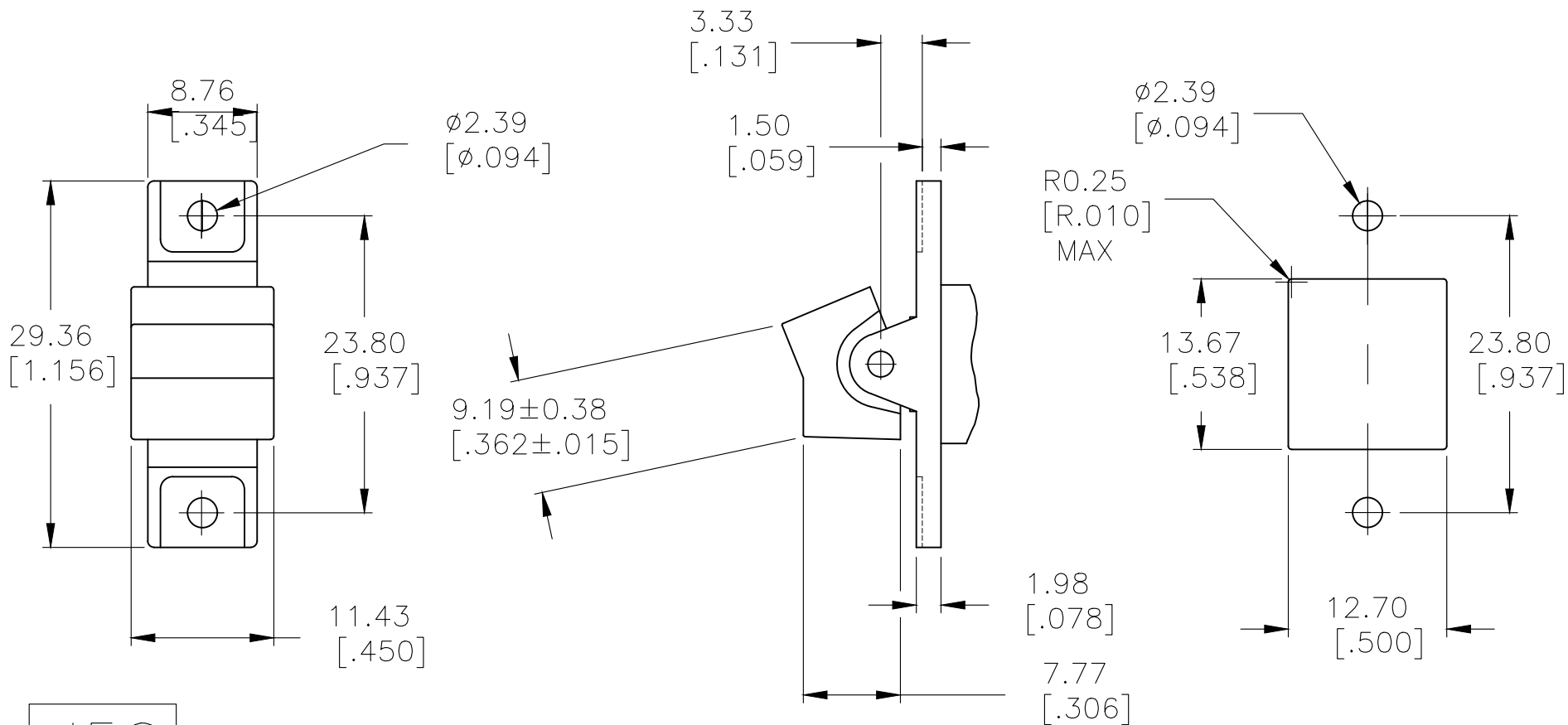
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



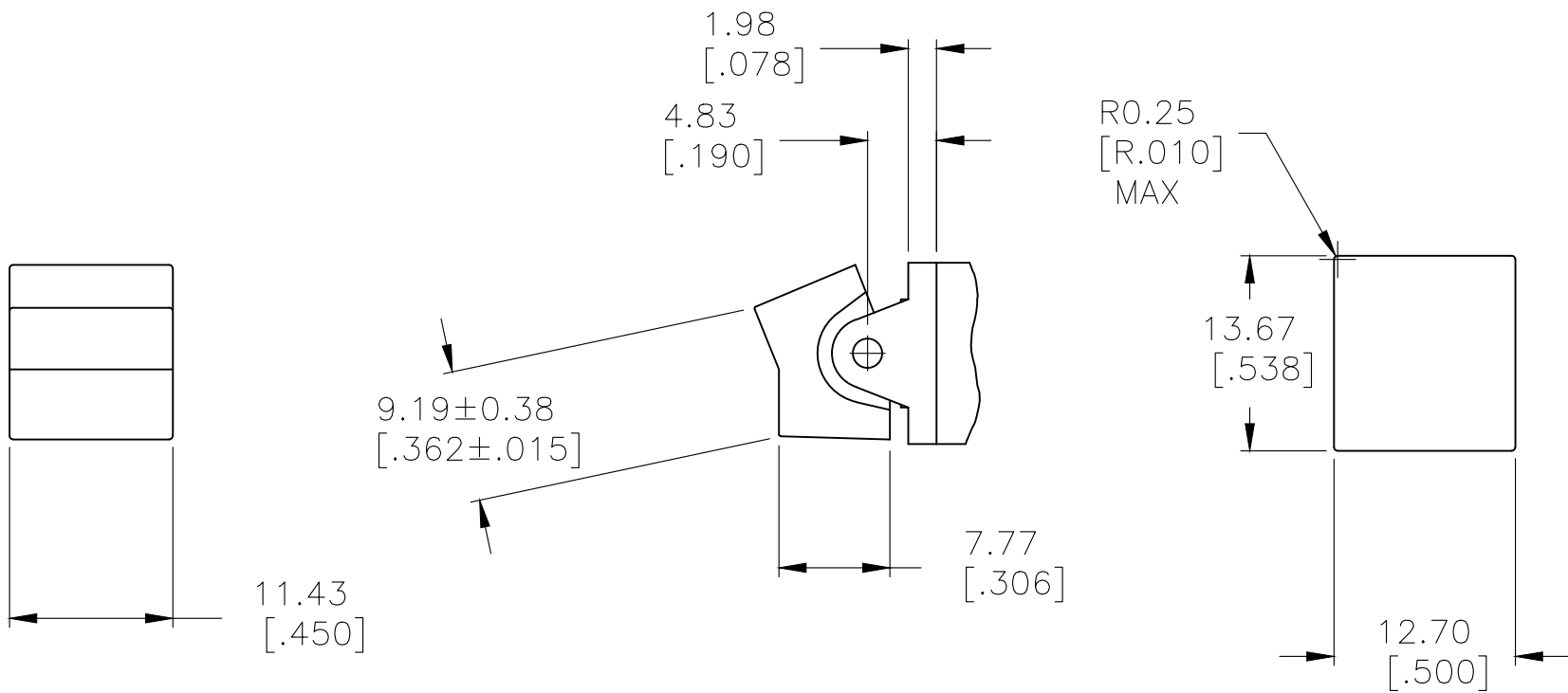
J1 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT



J1 SHOWN WITH PC MOUNT ACTUATOR PIVOT



J50 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT

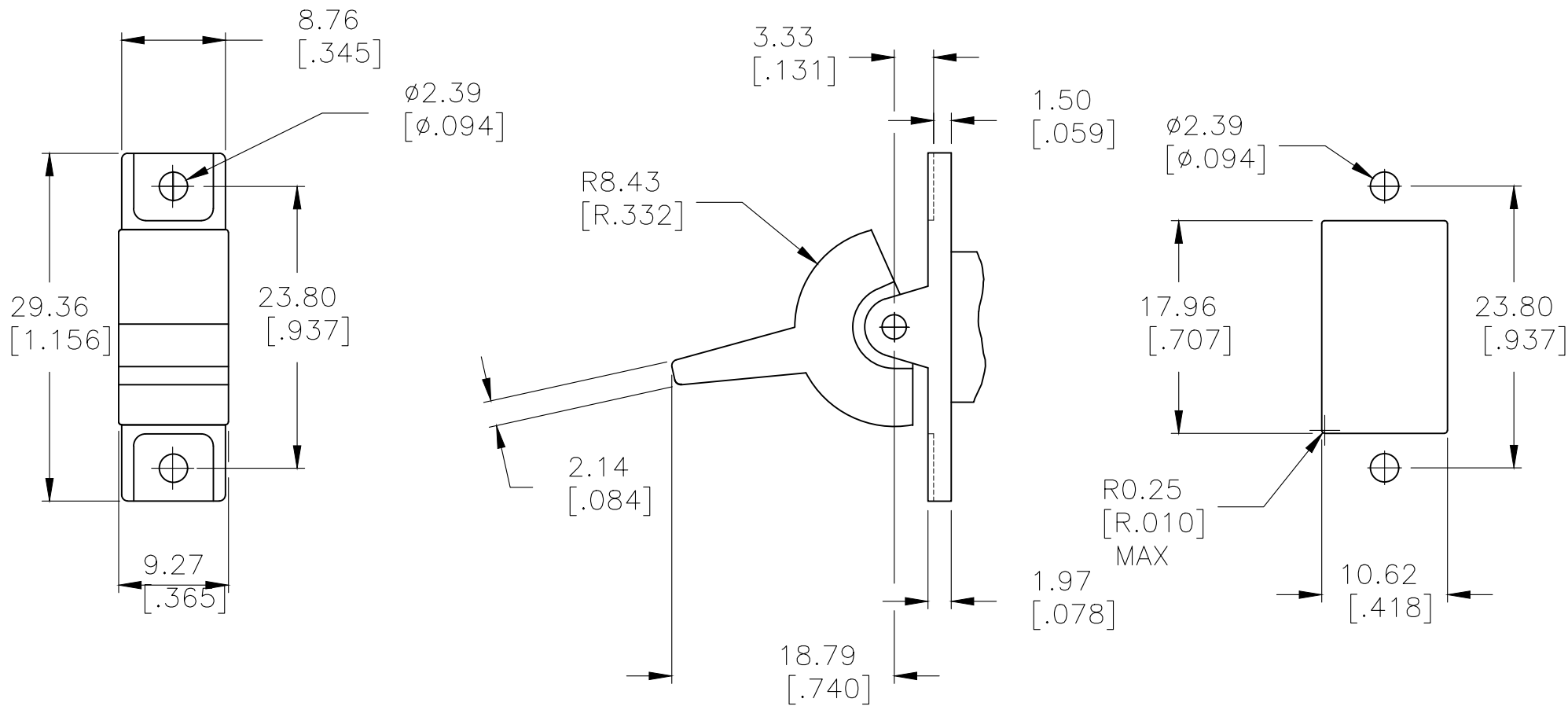


J50 SHOWN WITH PC MOUNT ACTUATOR PIVOT

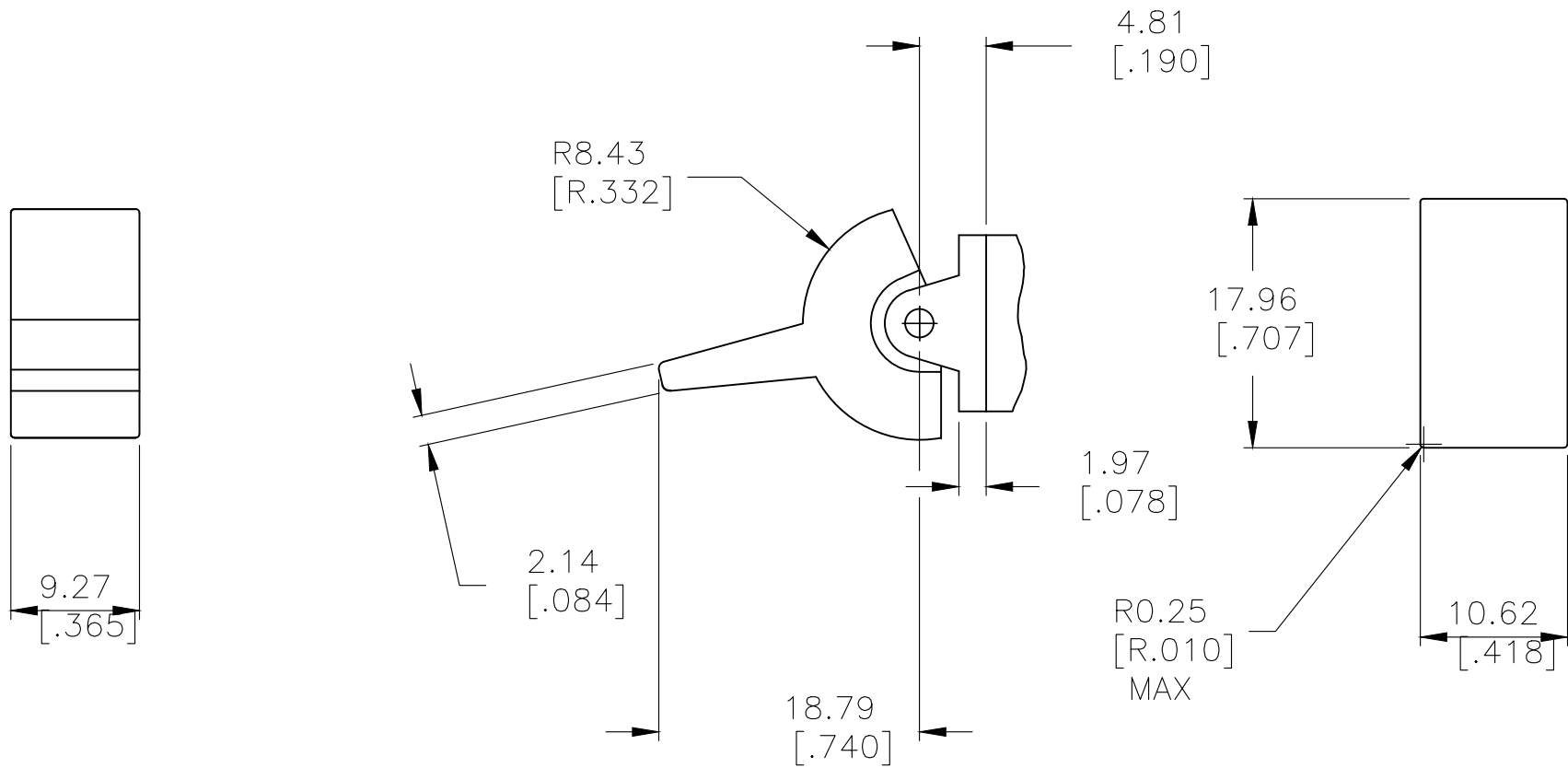
1.52-3.17 [.060-.125]	15.75-15.87 [.620-.625]
1.19-1.50 [.047-.059]	15.72 [.619]
PANEL THICKNESS	DIM "A"

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 06JAN05	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK M.ZITTO 06JAN05		
		APVD M.ZITTO 06JAN05	NAME GEMINI AE SERIES ROCKER SWITCH DOUBLE POLE	
		PRODUCT SPEC		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	SIZE A2	
0 PLC ± -		WEIGHT -	CAGE CODE 00779	DRAWING NO 1571989
1 PLC ± -		CUSTOMER DRAWING	SCALE 2:1	SHEET 2 OF 5
2 PLC ± -				REV A7
3 PLC ± .010				
4 PLC ± -				
ANGLES ± 4°				
FINISH -				

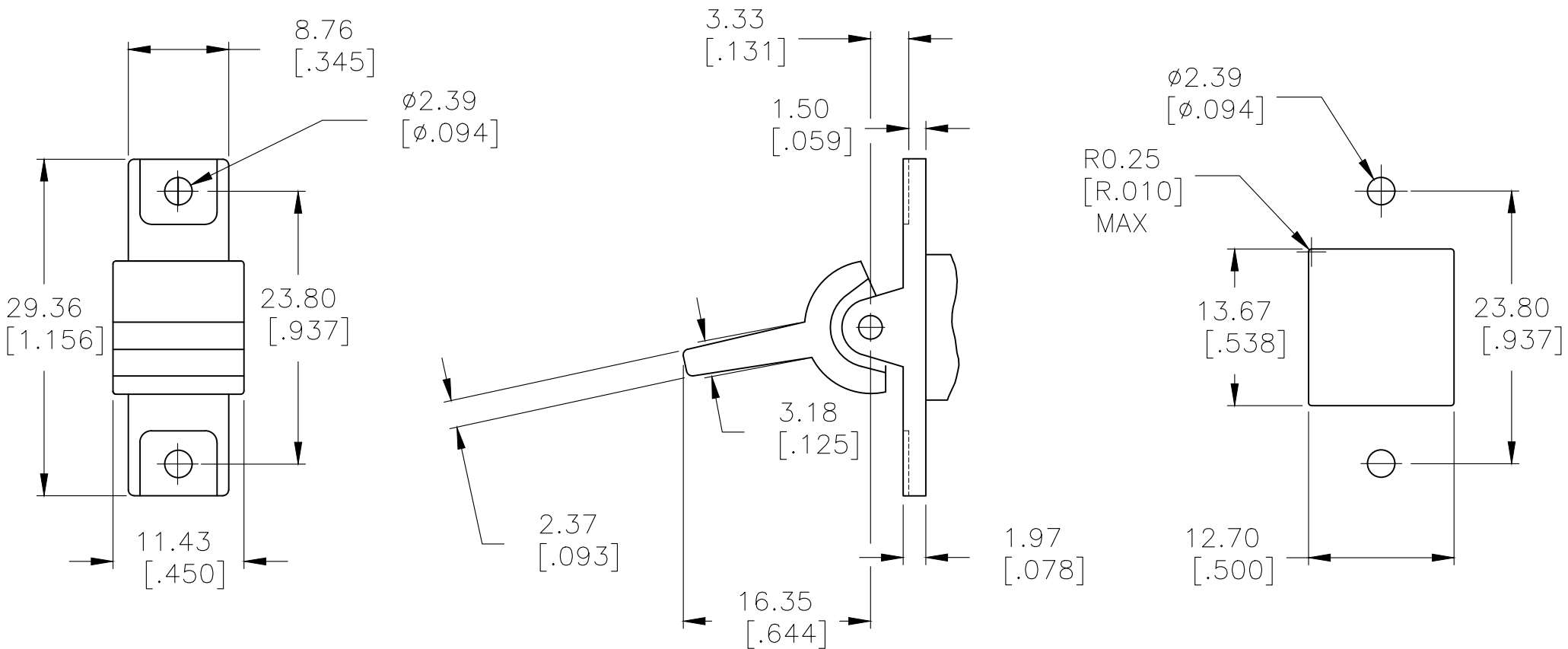
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



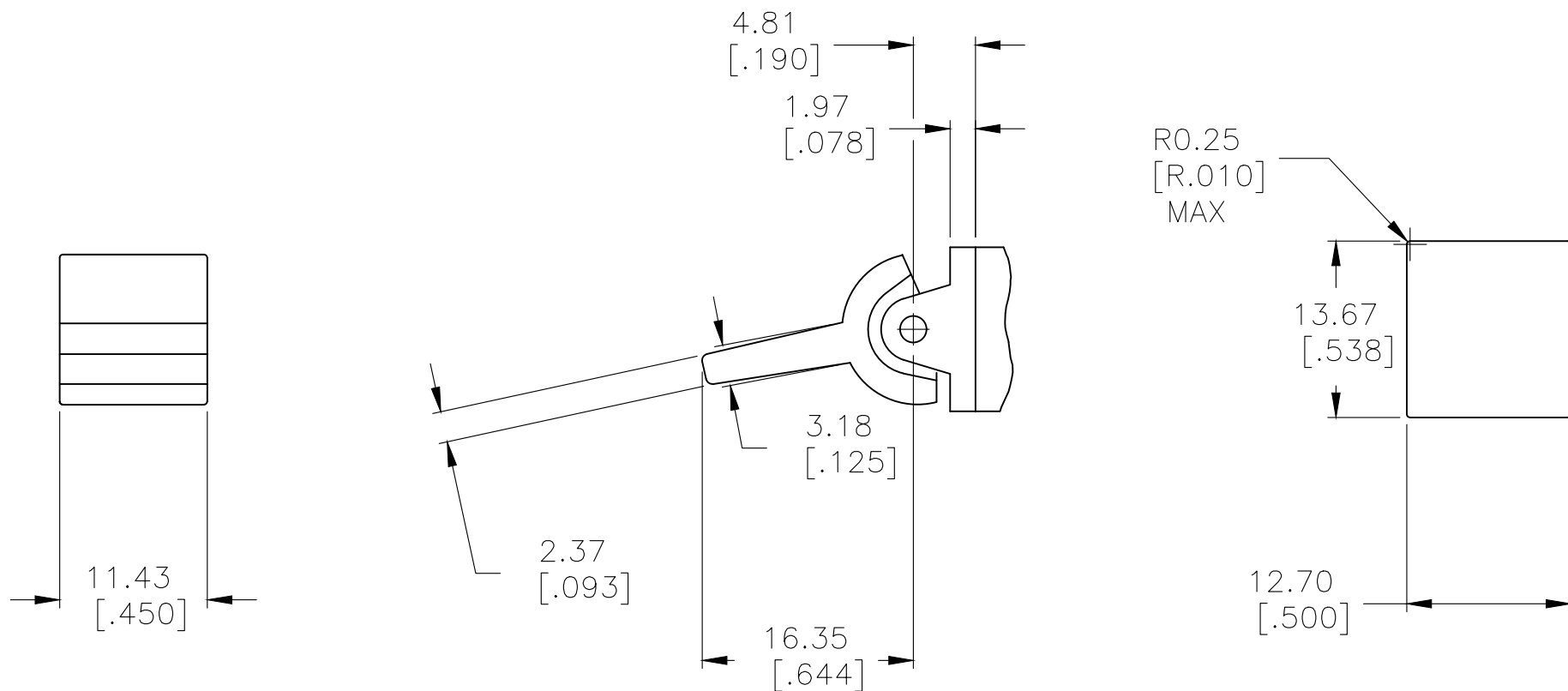
J2 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT



J2 SHOWN WITH PC MOUNT ACTUATOR PIVOT



J60 SHOWN WITH PANEL MOUNT ACTUATOR PIVOT

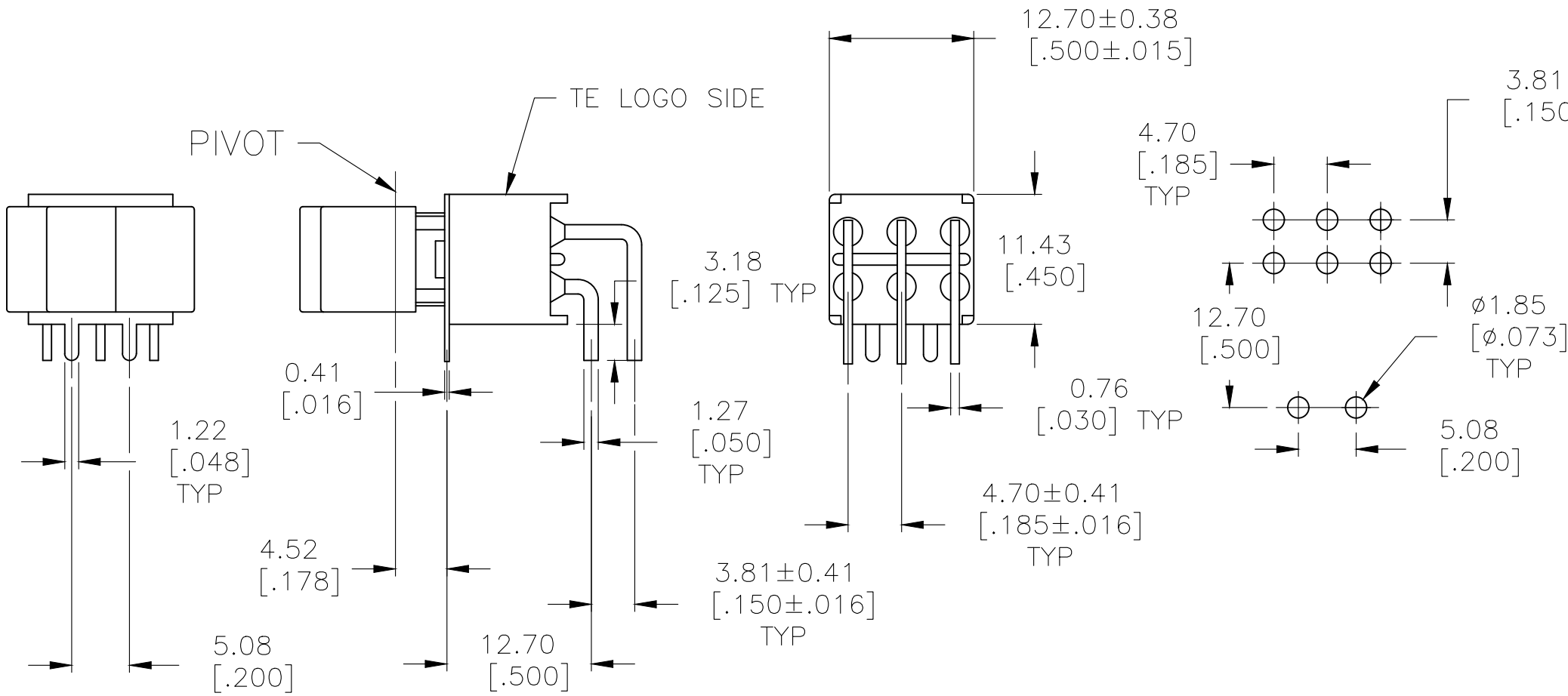


J60 SHOWN WITH PC MOUNT ACTUATOR PIVOT

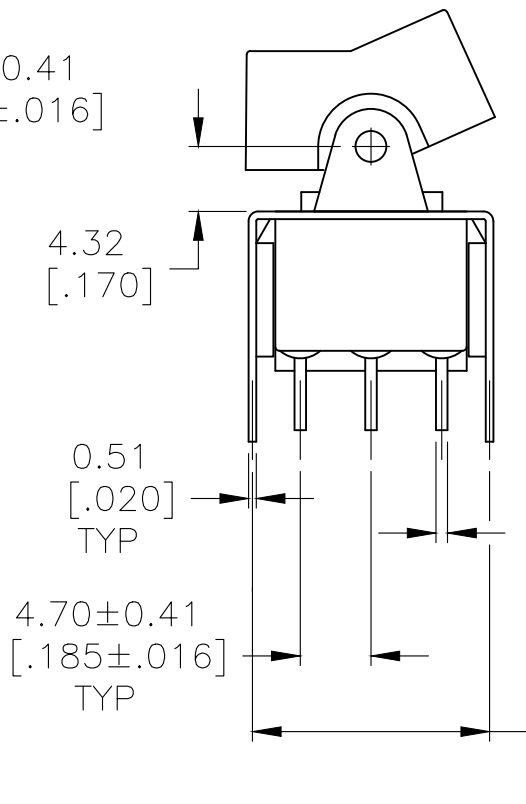
1.52-3.17 [.060-.125]	15.75-15.87 [.620-.625]
1.19-1.50 [.047-.059]	15.72 [.619]
PANEL THICKNESS	DIM "A"

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DIMENSIONS: mm [INCHES]		CHK M.ZITTO 06JAN05		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M.ZITTO 06JAN05	NAME	
0 PLC ± -		PRODUCT SPEC	GEMINI AE SERIES ROCKER SWITCH DOUBLE POLE	
1 PLC ± -		APPLICATION SPEC	-	
2 PLC ± -		WEIGHT	RESTRICTED TO	
3 PLC ± .010		A2 00779	-	
4 PLC ± -		C=1571989	-	
ANGLES ± 4°		SCALE	SHEET	
FINISH		2:1	3 OF 5	
-		CUSTOMER DRAWING	REV	
-		A7	A7	

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

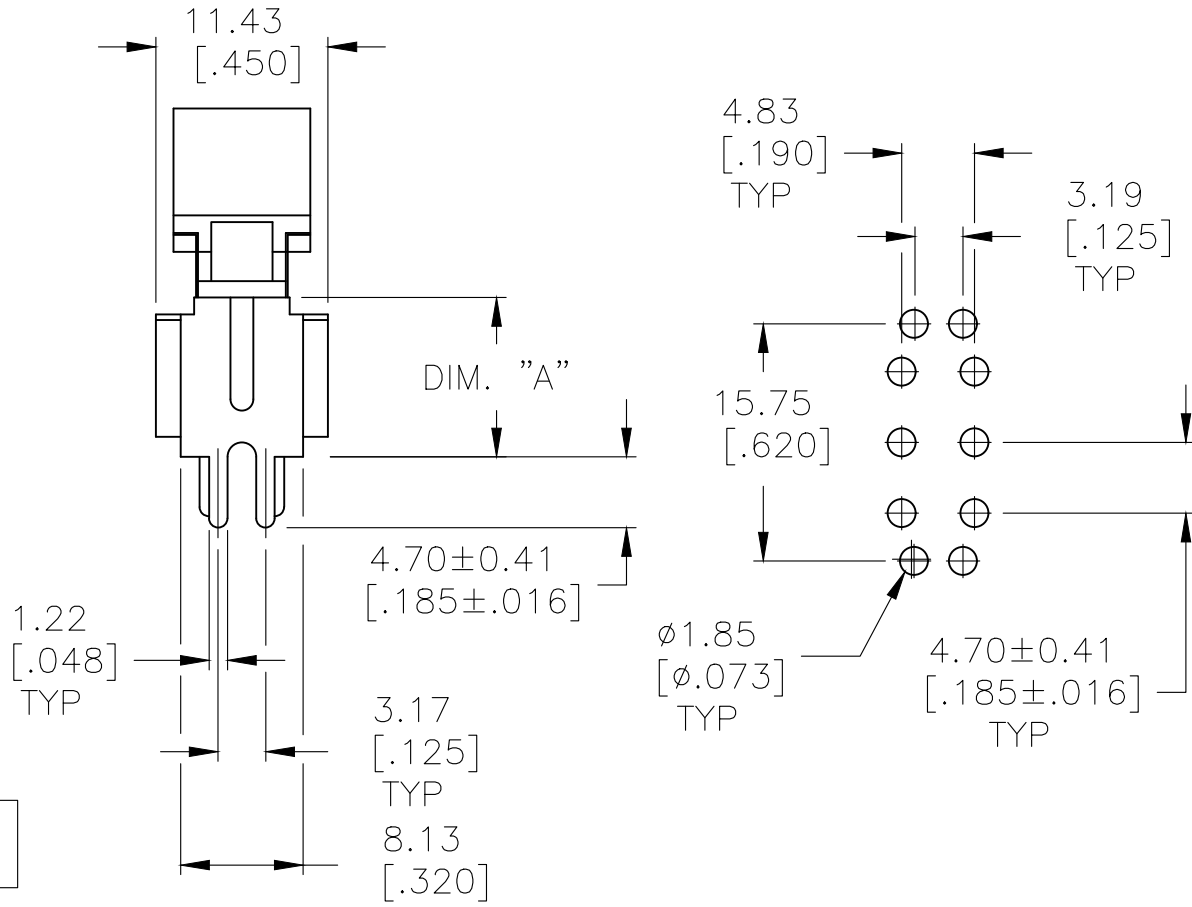


A RIGHT ANGLE

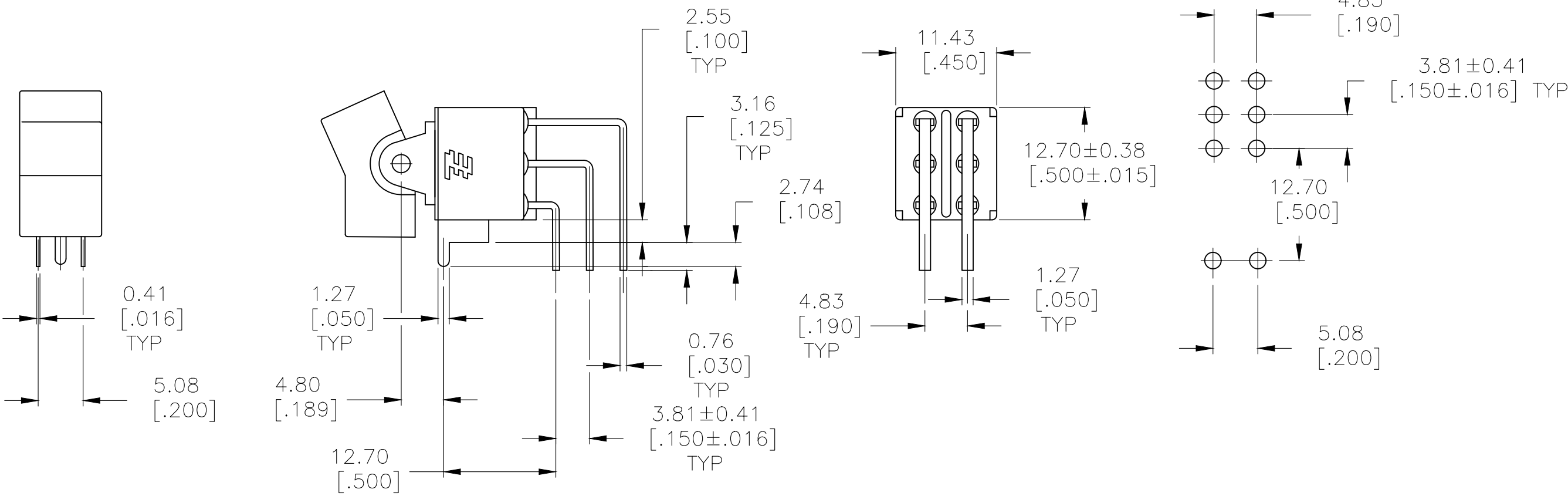


V3 V4

VERTICAL SUPPORT BRACKET



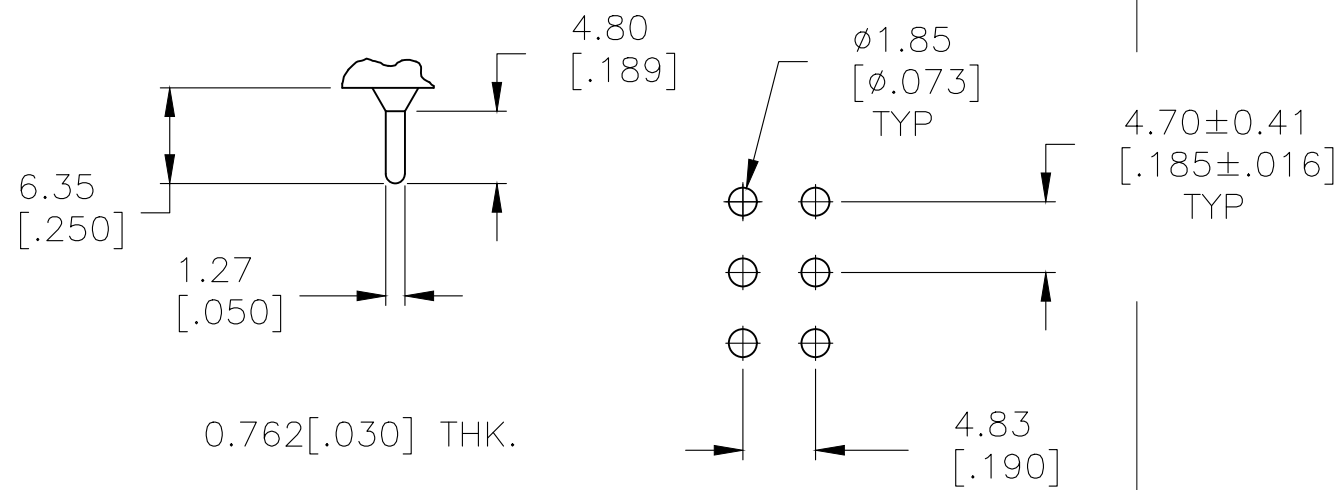
OPTION CODE	DIM "A"
V3	11.68[.460]
V4	16.00[.630]



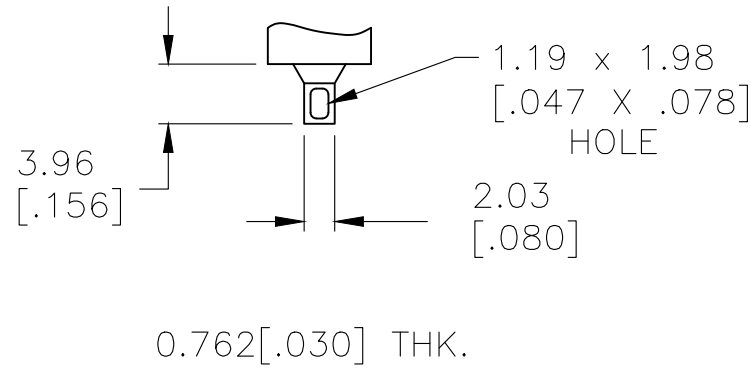
AV2 VERTICAL RIGHT ANGLE

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DIMENSIONS: mm [INCHES]		CHK M.ZITTO 06JAN05				
		APVD M.ZITTO 06JAN05	NAME			
		PRODUCT SPEC	GEMINI AE SERIES ROCKER SWITCH DOUBLE POLE			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	-			
MATERIAL		WEIGHT	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
-		-	A2	00779	C=1571989	-
FINISH		CUSTOMER DRAWING	SCALE	SHEET	REV	
-			2:1	4 OF 5	A7	

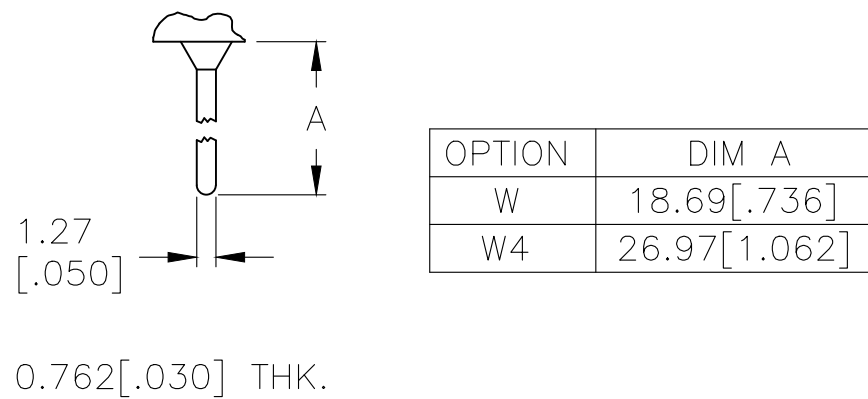
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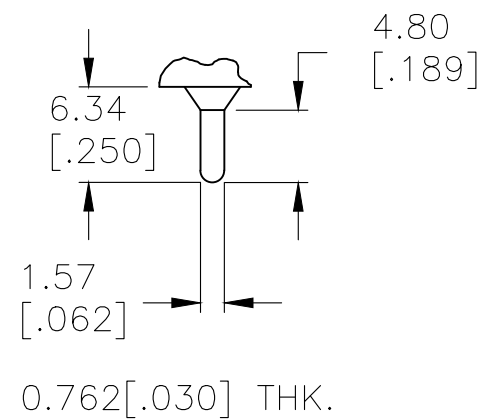
C PRINTED CIRCUIT



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	GOLD FLASH OVER 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	AE208J50V3B004	1571989-8
	AE205J60V3B004	1571989-7
	AE205J50V3B004	1571989-6
	AE203J1AQ004	1571989-5
	AE201J2AQ204	1571989-4
OBSOLETE	AE201J1V3B004	1571989-3
	AE201J1AV2Q004	1571989-2
	AE201J1AQ004	1571989-1
	ALCO P/N	PART NO.

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DWN
M.BINNER
06JAN05

CHK
M.ZITTO
06JAN05

APVD
M.ZITTO
06JAN05

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME

SIZE
A2

CAGE CODE
00779

DRAWING NO.
1571989

RESTRICTED TO
-

TE Connectivity

GEMINI AE SERIES ROCKER SWITCH
DOUBLE POLE

SCALE
2:1

SHEET
5 OF 5

REV
A7

Mouser Electronics

Authorized Distributor

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