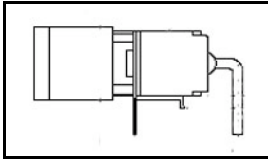



## 1571986-8 Product Details

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**1571986-8**  
(A101J1AQ004)  
TE Internal Number:  
1571986-8  
 **Active**

### Rocker/Paddle Switches

 Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Contact Rating = 5A
- Single Pole - Double Throw Configuration (Pole-Throw)
- Silver Contact Plating
- Gemini A Series
- Operating Function = On On

[View all Features](#)

### Quick Links

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

[Add to My Part List](#)

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### Documentation & Additional Information

#### Product Drawings:

- [GEMINI A SERIES ROCKER SWITCH SINGLE POLE](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- [GEMINI\\_SERIES\\_SWITCHES\\_QUICK\\_REF\\_GUIDE\\_2-1773458-5](#) (PDF, English)

#### Product Specifications:

- None Available

#### Application Specifications:

- None Available

#### Instruction Sheets:

- None Available

#### CAD Files:

- None Available

[List all Documents](#)

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- Series = Gemini A
- Actuator Style = Rocker
- Actuator Type = Small
- Termination Type = Printed Circuit
- Mount Angle = Right Angle
- Lamp = Without
- LED = Without

#### Mechanical Attachment:

- Mount = Printed Circuit Board

#### Electrical Characteristics:

- Contact Rating = 5A

#### Body Features:

- Actuator Color = Black
- Body Color = Black

#### Contact Features:

- Contact Plating = Silver

#### Housing Features:

- Process Sealed = No

#### Configuration Features:

- Configuration (Pole-Throw) = Single Pole - Double Throw
- Operating Function = On On

#### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant

**Identification Marking:**

- Indicator/Imprint Legend = None

**Other:**

- Brand = TE Connectivity

**Corporate Information**

[About TE](#)  
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[News Room](#)  
[Supplier Portal](#)  
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[Documents & Drawings](#)  
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**Customer Support**

[Email or Chat With Us](#)  
[Find a Phone Number](#)  
[Knowledge Base](#)  
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**Keep Me Informed**

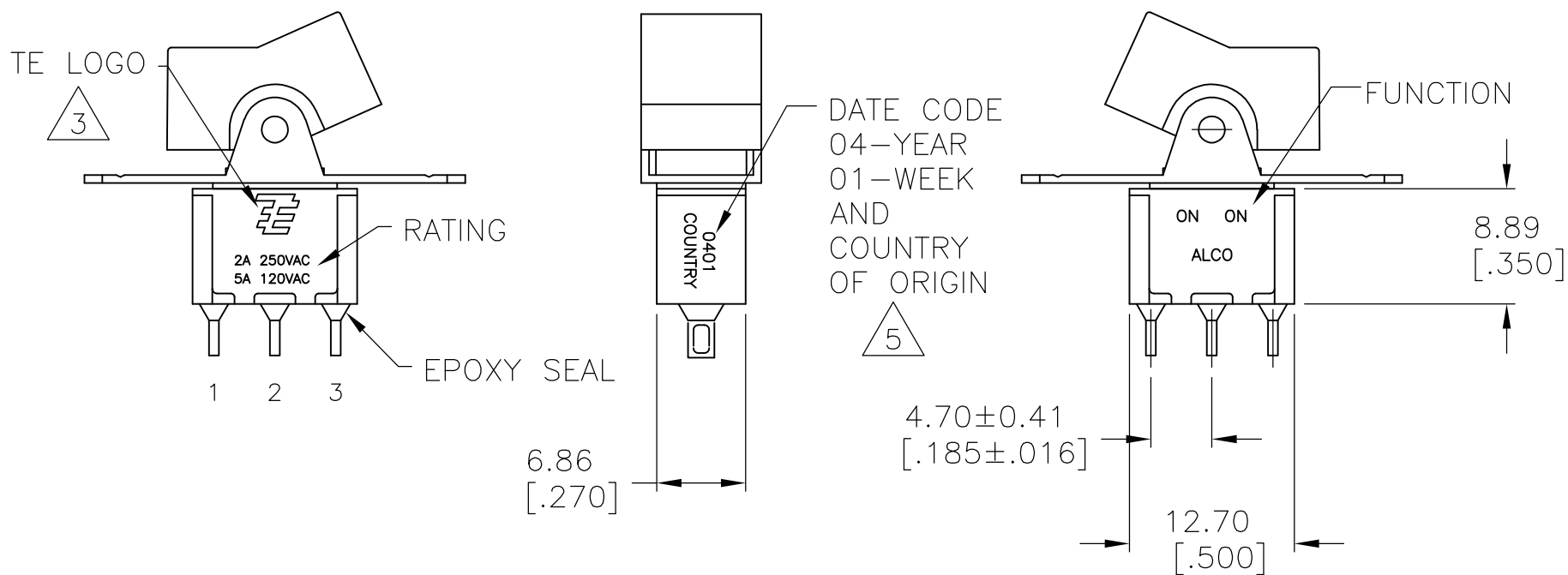
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
AD	00		A8	REVISED PER ECO-12-002356	07FEB12	KH	PO

D

C

B

A



- 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 STAMPED ON SWITCH IS 2A 250VAC, 5A 120VAC.

- 3 TE CONNECTIVITY LOGO PER PER TEC-202-36.
- 5 DATE CODE AND COUNTRY OF ORIGIN MAY APPEAR ON EITHER SIDE OF SWITCH.
- 6 PANEL MOUNT BRACKET SUPPLIED WITH TERMINALS W, Z AND Z3 ONLY.
- 7 ACTUATOR MARKED
- 8 ACTUATOR MARKED
- 9 ACTUATOR MARKED

FUNCTION CHART

FUNCTION			
	1 2 3	1 2 3	1 2 3
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

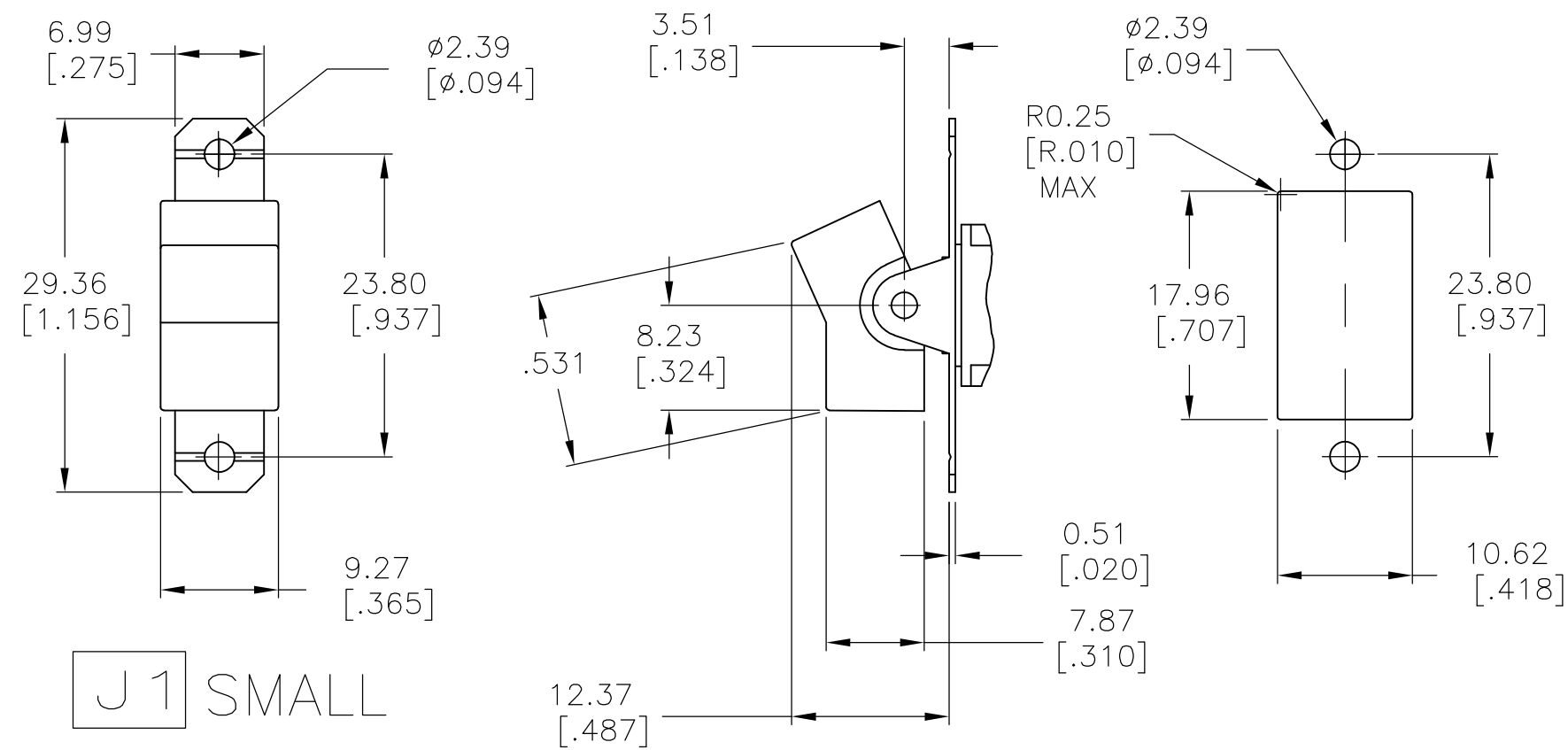
RATING, B CONTACTS	.4VA MAX @20V MAX. AC OR DC
RATING, G CONTACTS-SEE NOTE 2	.4VA MAX @20V MAX. AC OR DC OR
	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
RATING, Q CONTACTS	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
ELECTRICAL LIFE	6,000 CYCLES AT RATED LOAD
CONTACT RESISTANCE	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 CHART

MODEL	FUNCTION	ACTUATOR	TERMINAL	CONTACT	ACTUATOR COLOR	BEZEL COLOR	ROHS
A1							04
	01	J1	A	B	0 BLACK (STD)	0 BLACK (STD)	
	03	J3	AV2	G	1 BROWN	1 BROWN	
	05	J50	C	Q	2 RED	2 RED	
	07	J51	V3		3 ORANGE	3 ORANGE	
	08	J52	V4		4 YELLOW	4 YELLOW	
		J2	V6		5 GREEN	5 GREEN	
		J4	V7		6 BLUE	6 BLUE	
		J60	W		8 GRAY	8 GRAY	
		J61	W4		9 WHITE	9 WHITE	
		J62	Z				
			Z3				

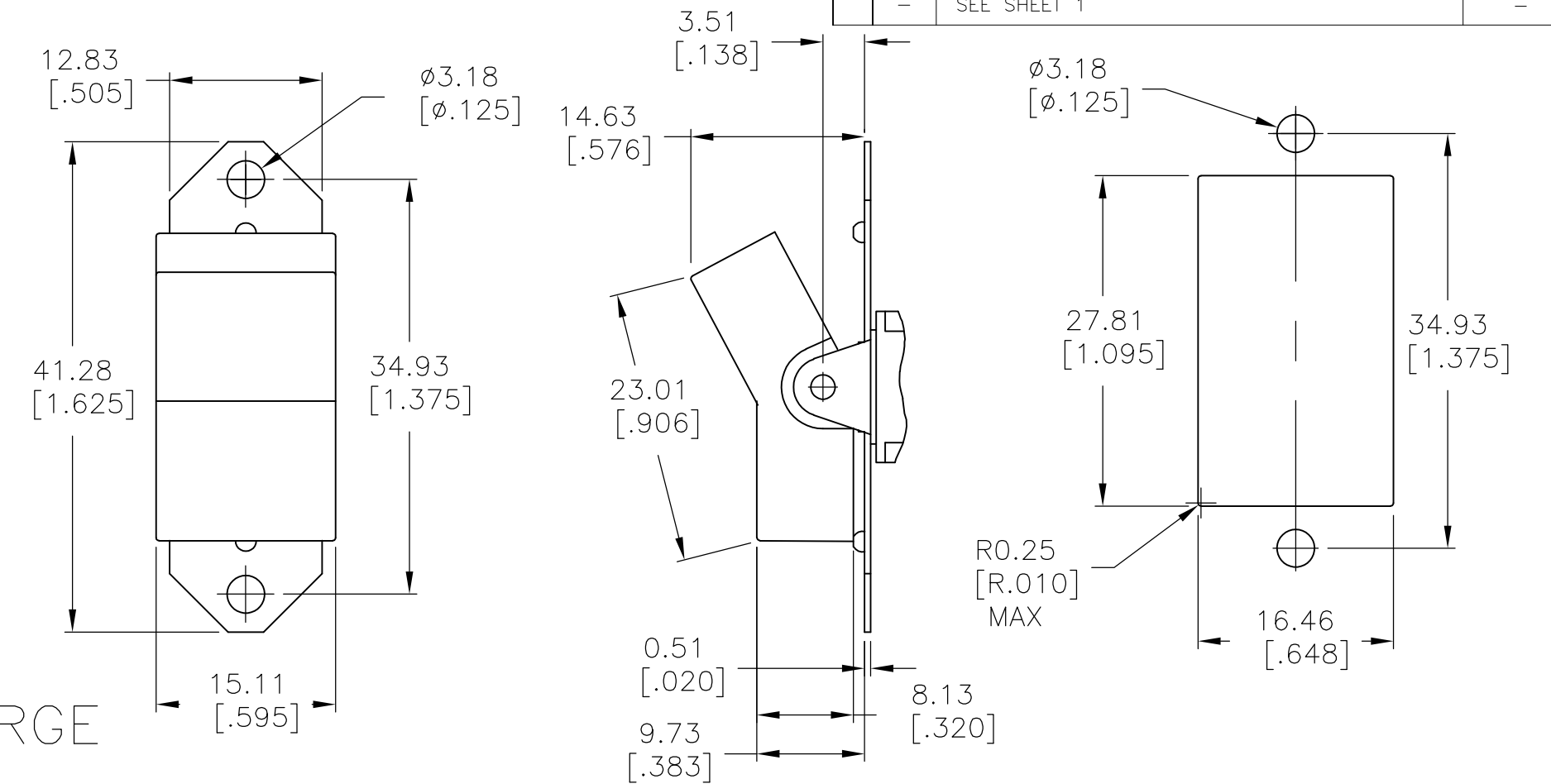
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	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M.ZITTO 06JAN05	NAME GEMINI A SERIES ROCKER SWITCH SINGLE POLE			
		PRODUCT SPEC				
		APPLICATION SPEC				
MATERIAL -	FINISH -	WEIGHT -	SIZE A2	CAGE CODE 00779	DRAWING NO C=1571986	RESTRICTED TO -
		CUSTOMER DRAWING	SCALE 2:1	SHEET 1 of 5	REV A8	

D

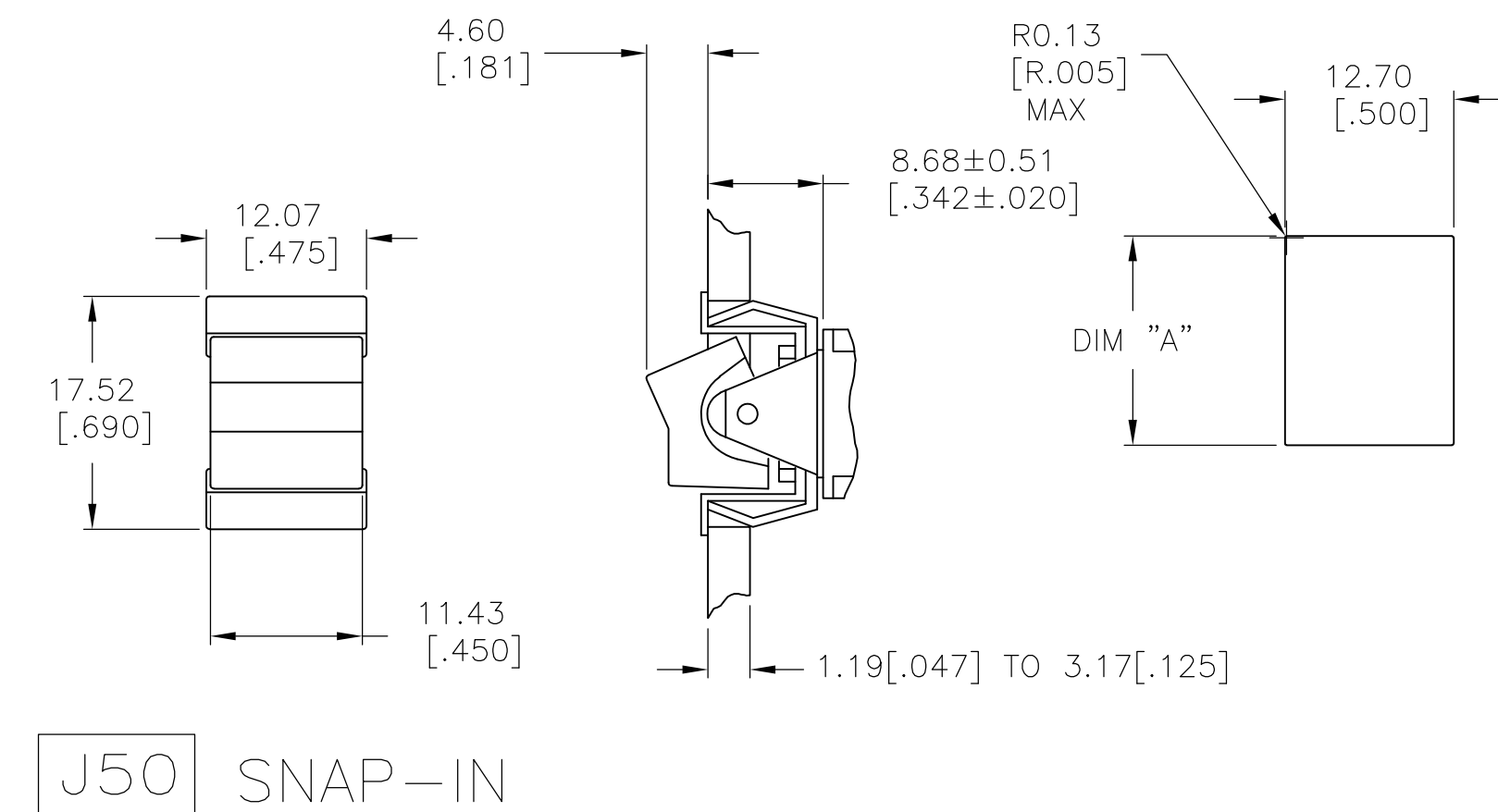


C

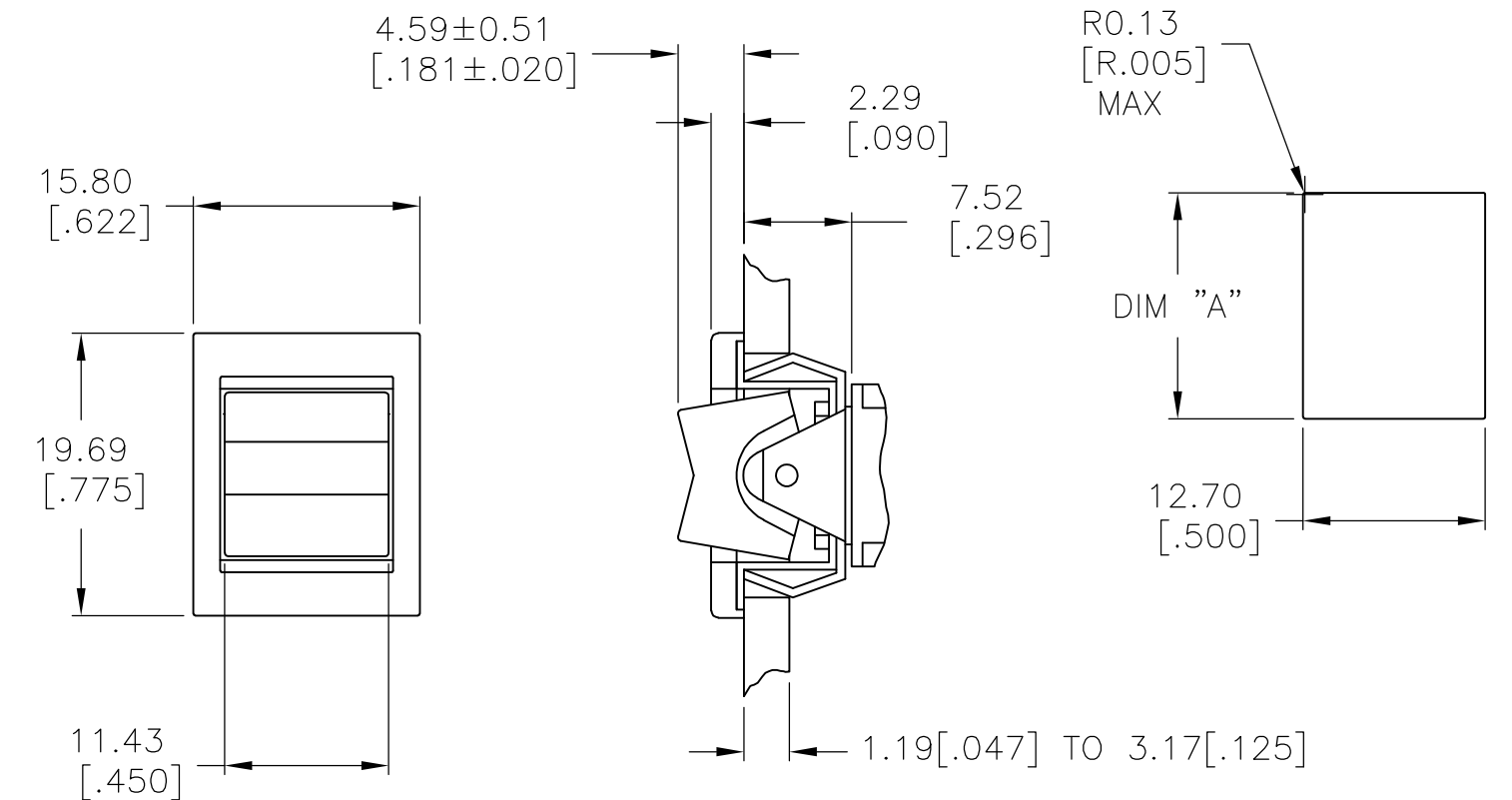
J3 LARGE



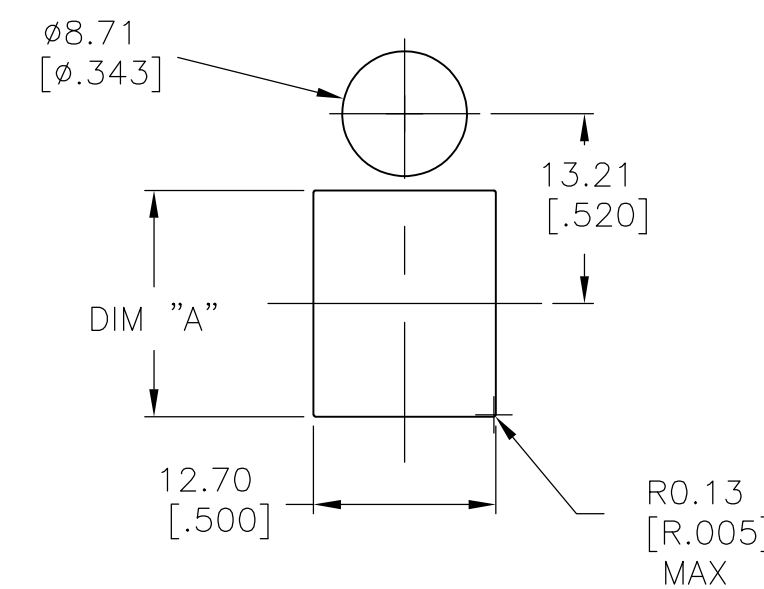
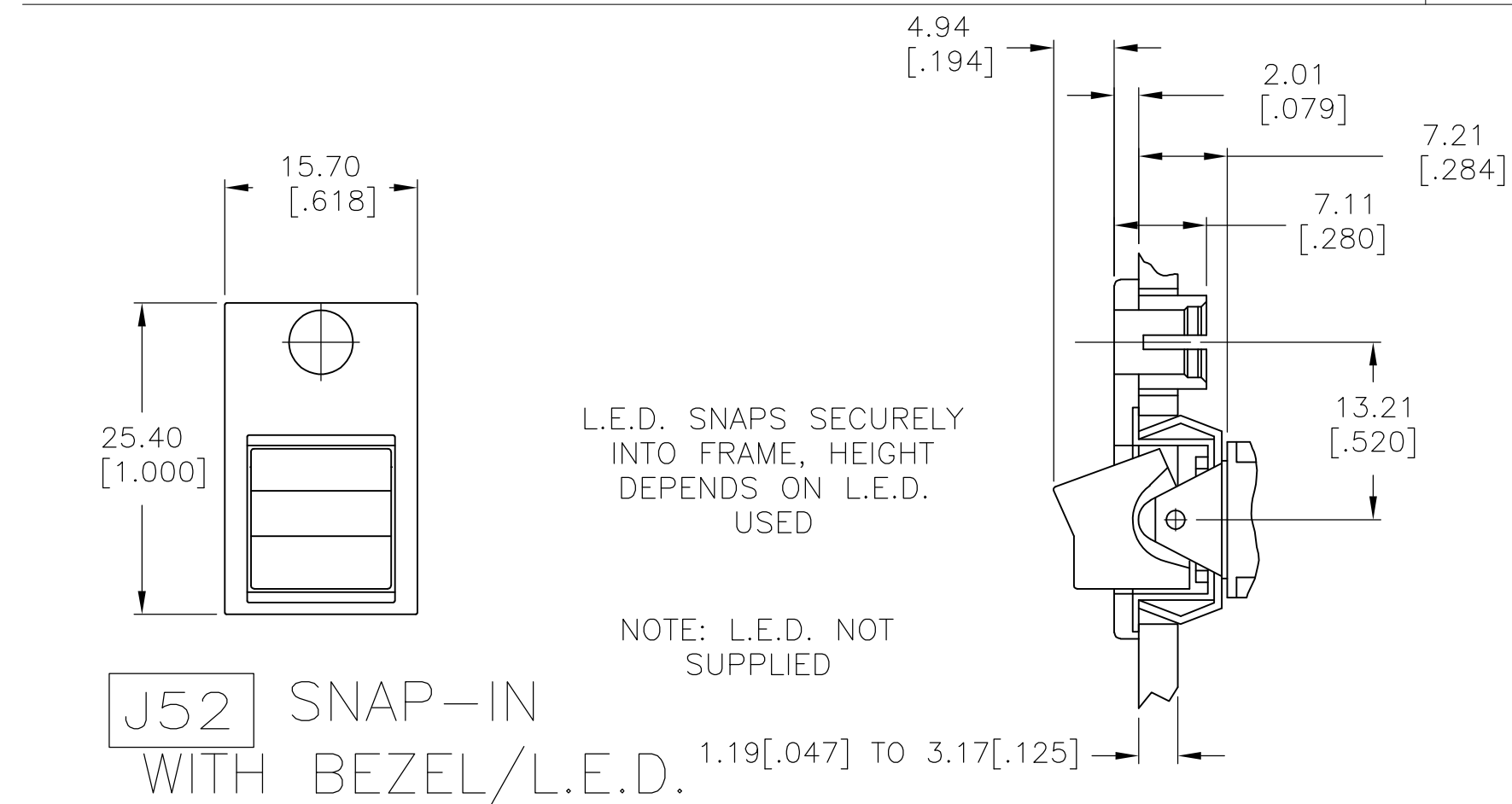
B





J51 SNAP-IN WITH BEZEL



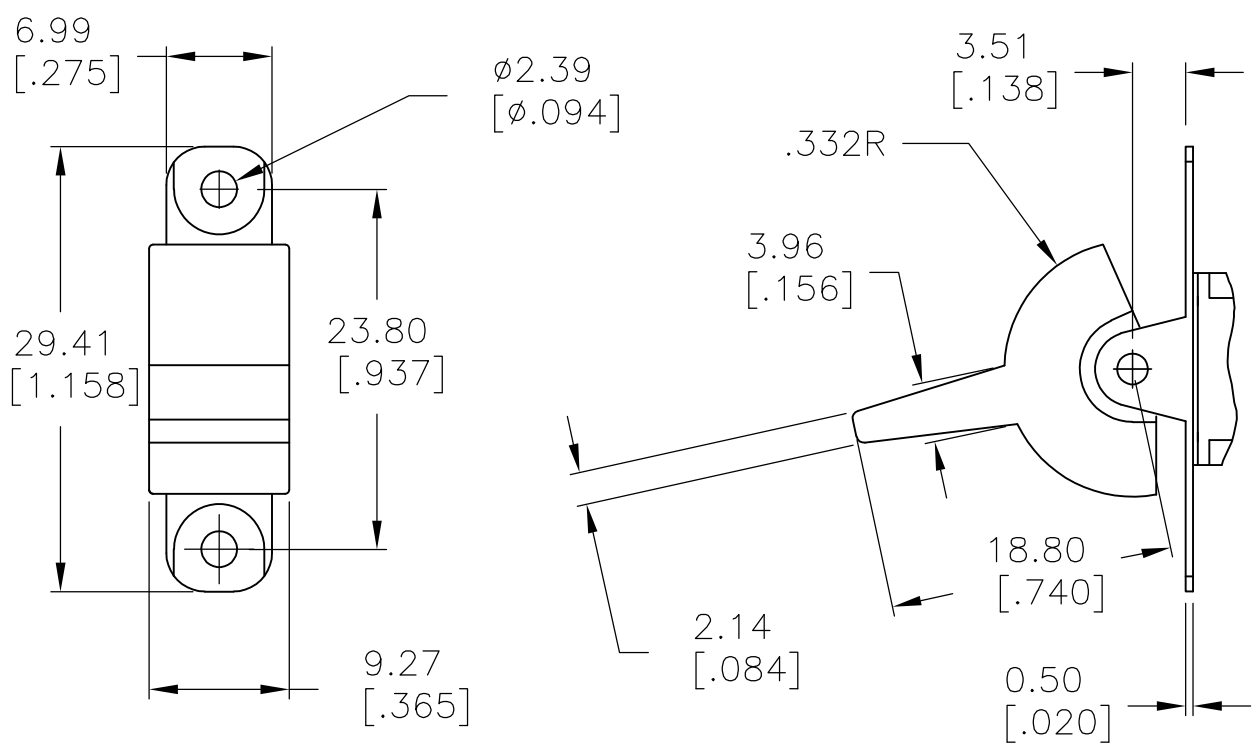
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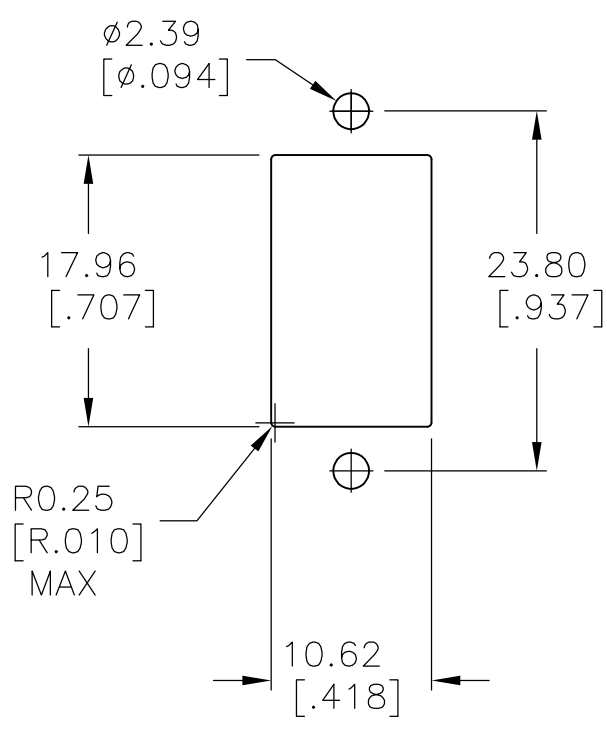
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		CHK M.ZITTO	06JAN05					
DIMENSIONS: mm [INCHES]		APVD M.ZITTO	06JAN05	NAME				
		PRODUCT SPEC		GEMINI A SERIES ROCKER SWITCH SINGLE POLE				
		—						
		APPLICATION SPEC						
		—		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
MATERIAL		WEIGHT		A2	00779	C=1571986	—	
—		—		CUSTOMER DRAWING		SCALE	SHEET	REV
						2:1	2 of 5	A8

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
AD	00	-	-	SEE SHEET 1	-	-
						APVD
						-

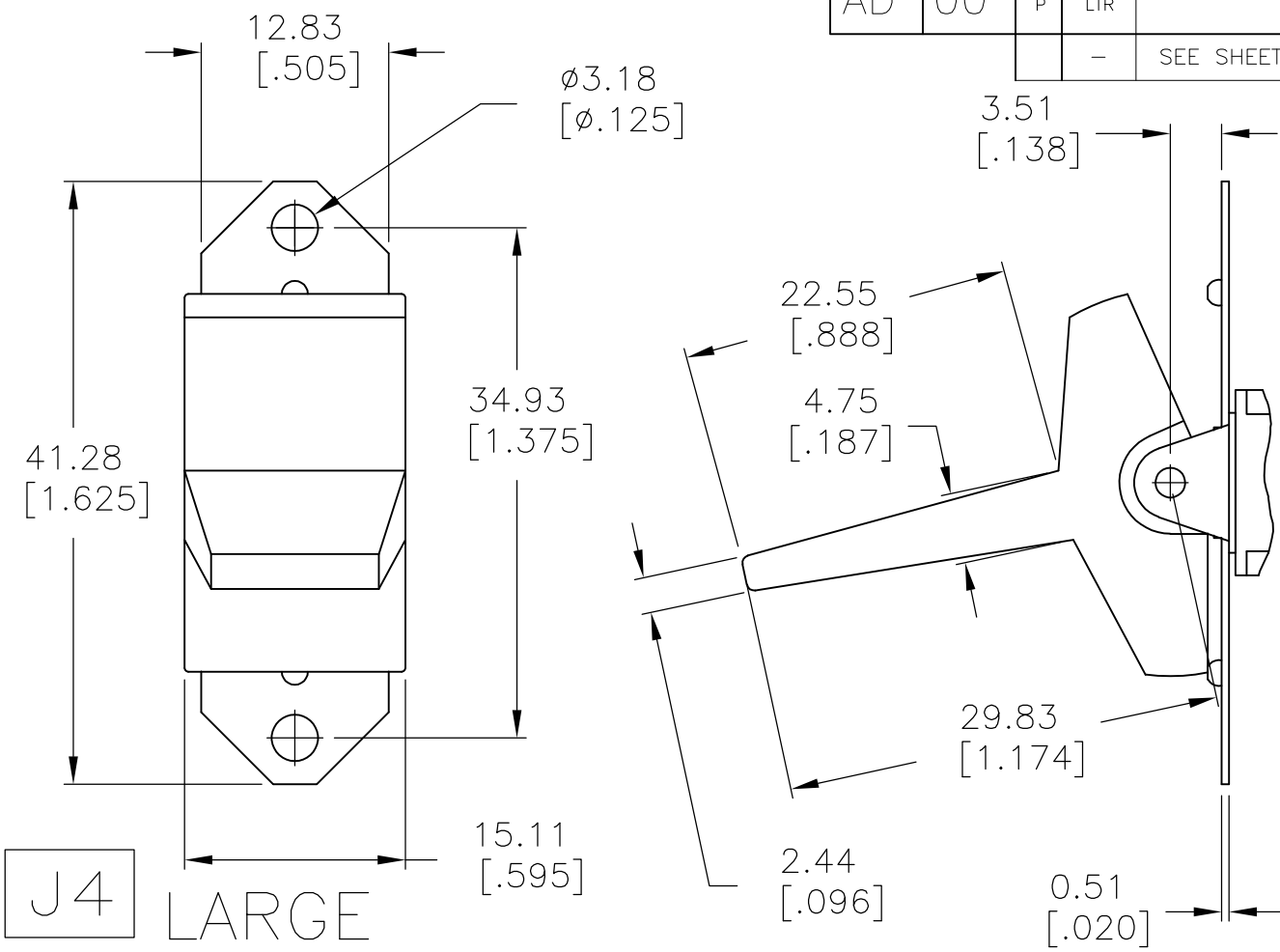
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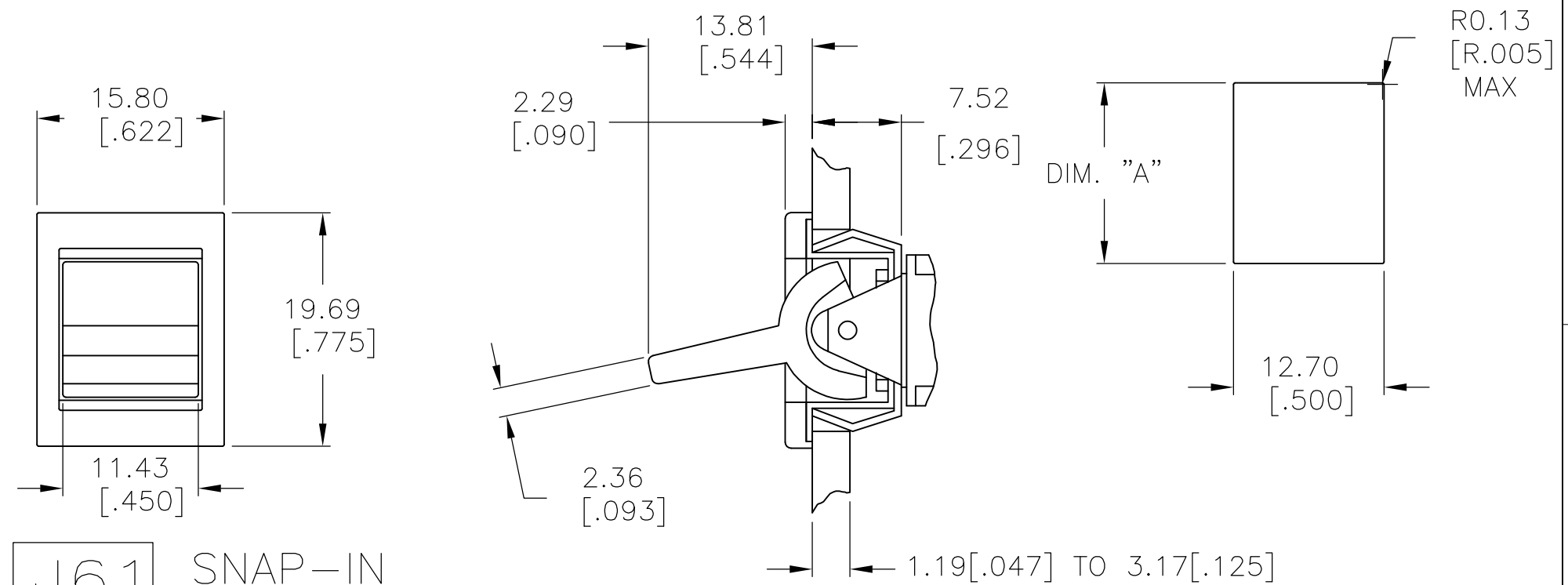
J2 SMALL



J4 LARGE



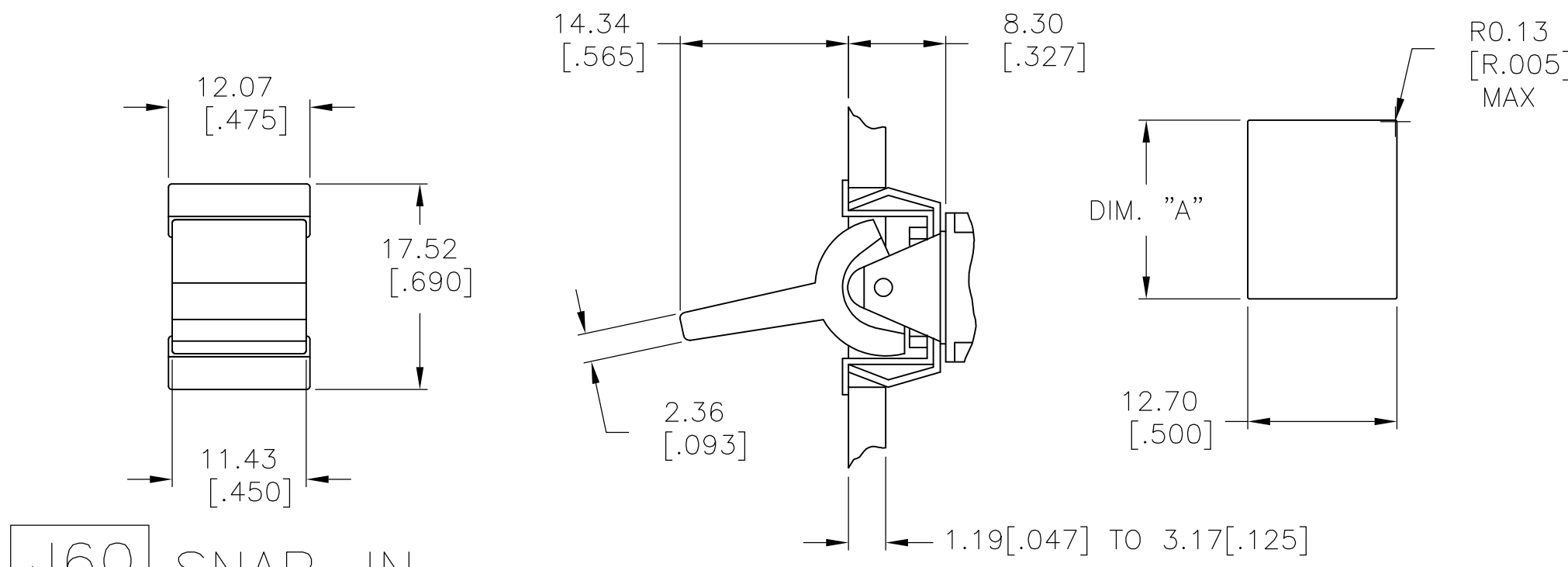
J61 SNAP-IN WITH BEZEL



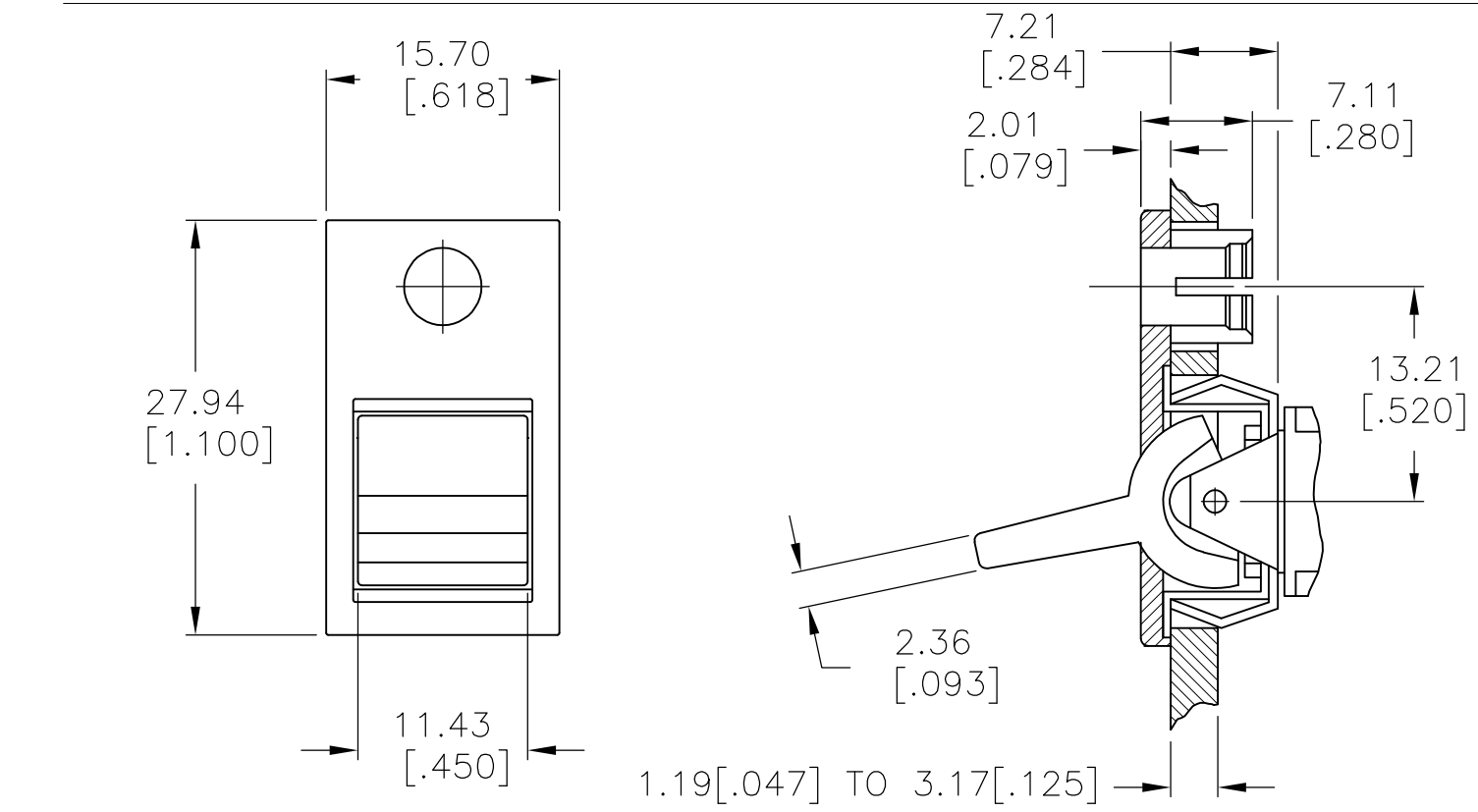
C

B

A

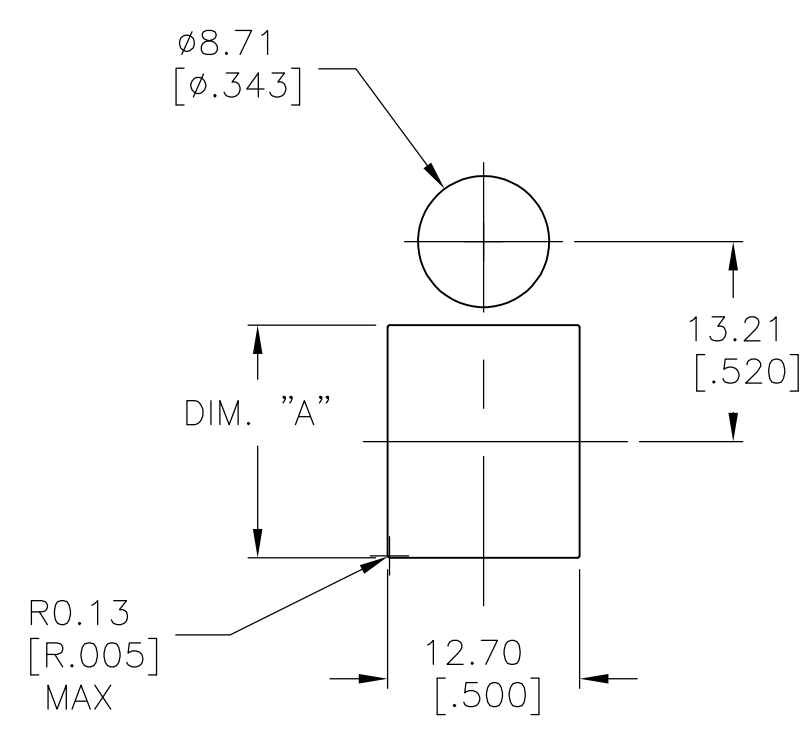


J60 SNAP-IN

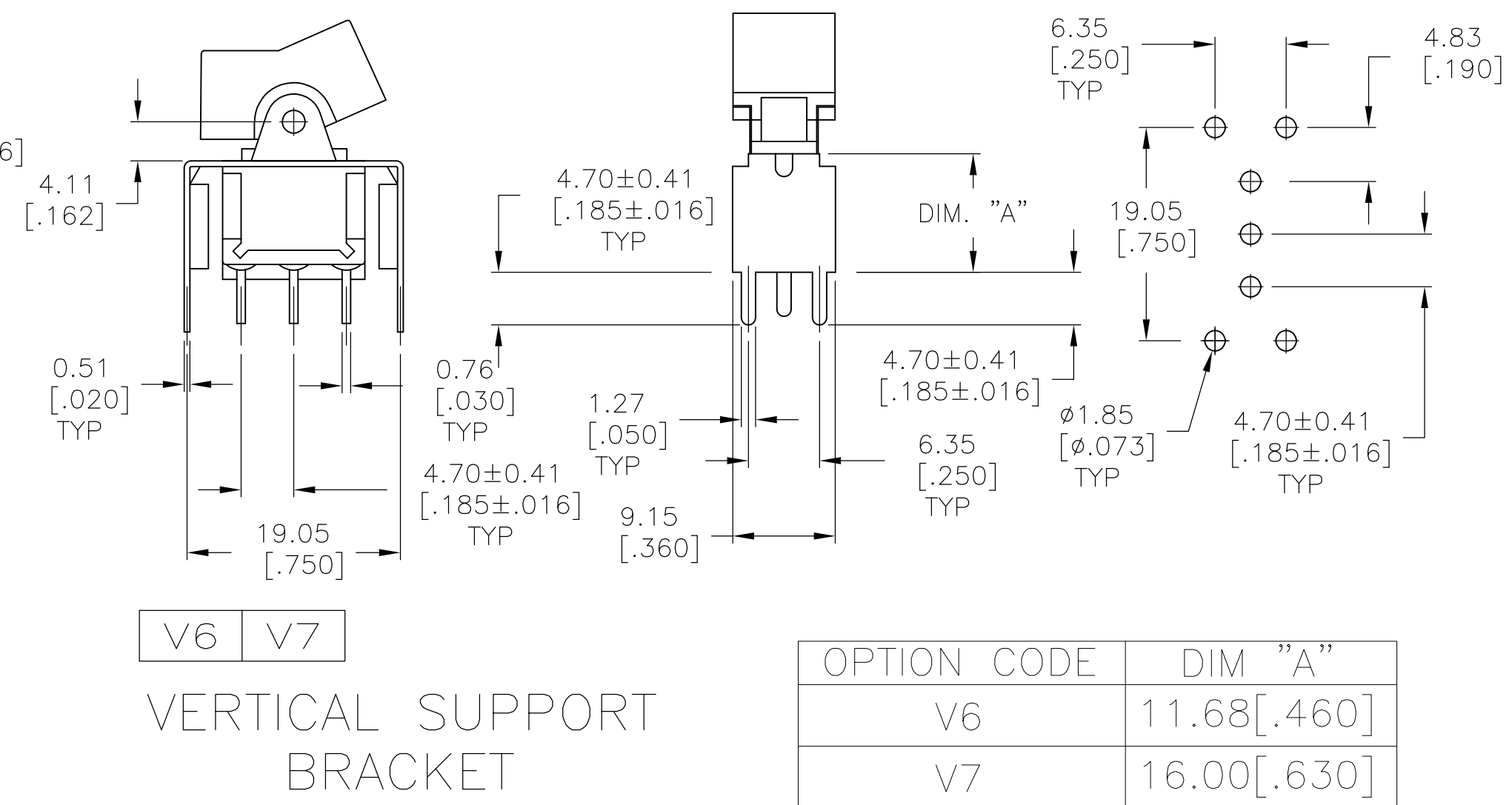
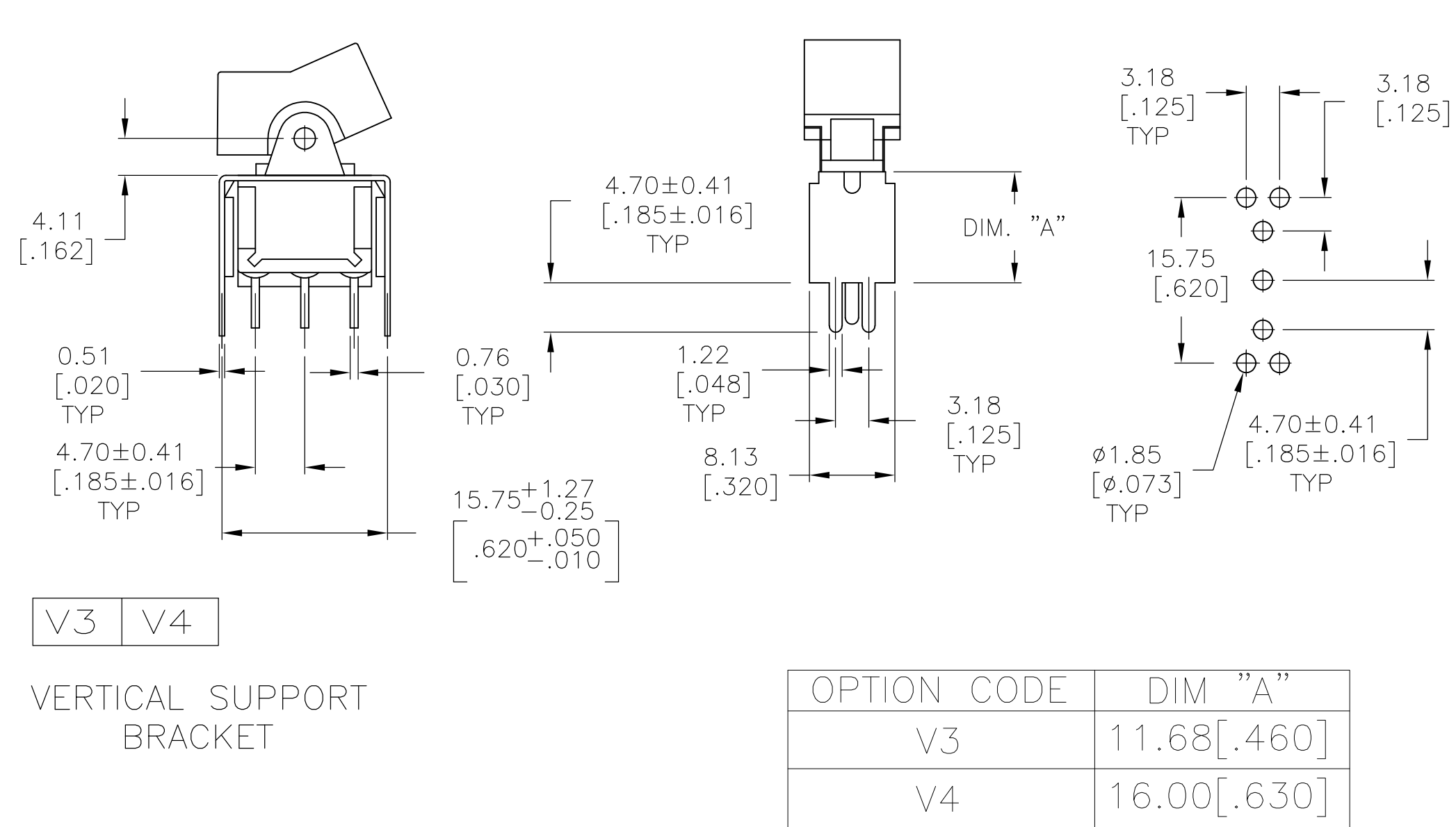


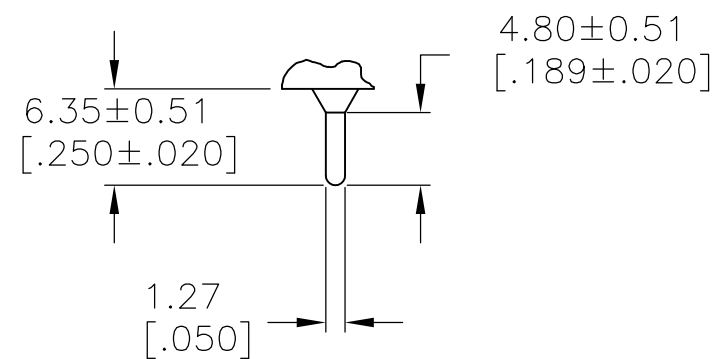
J62 SNAP-IN WITH BEZEL/L.E.D.

NOTE: L.E.D. NOT SUPPLIED



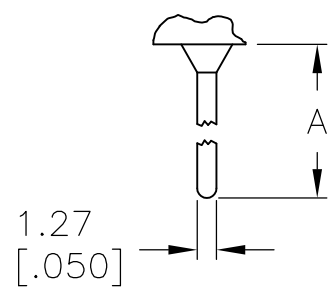
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		APVD	M.ZITTO	06JAN05	NAME		
		PRODUCT SPEC					
		APPLICATION SPEC			GEMINI A SERIES ROCKER SWITCH SINGLE POLE		
		WEIGHT	-		SIZE	CAGE CODE	DRAWING NO
					A2	00779	C=1571986
		CUSTOMER DRAWING			SCALE	2:1	SHEET
							3 OF 5
							REV
							A8





.030 THK.

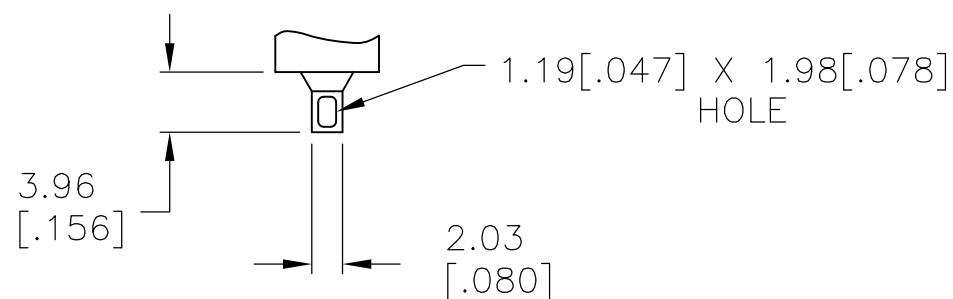
C PRINTED CIRCUIT



.030 THK.

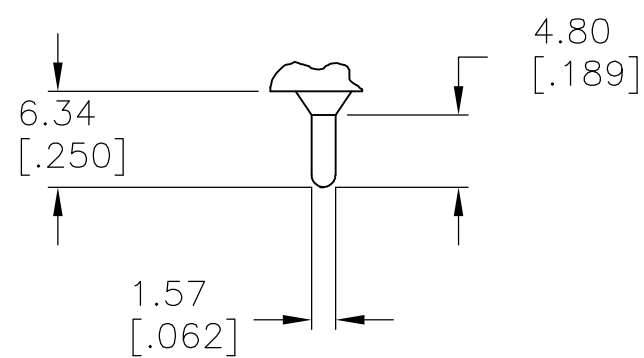
OPTION	DIM A
W	18.69[.736]
W4	26.97[1.062]

W	W4	WIRE	WRAP
---	----	------	------



.030 THK.

Z WIRE LUG



.030 THK.

**Z3** QUICK CONNECT

## MATERIALS CHART



COMPONENT NAME	BASE MATERIAL	FINISH
CASE	DAP, 30-40% GF, RED, UL94 V-0, COSMIC D72/6120F	
FRAME	304 STAINLESS STEEL	
B TERMINALS & CONTACTS	C194 COPPER	GOLD OVER NICKEL
G TERMINALS & CONTACTS	C194 COPPER	GOLD OVER SILVER
Q TERMINALS & CONTACTS	C194 COPPER	SILVER
ACTUATOR	PHENOLIC, BLACK, UL94 V-1	
ROCKER CAP	NYLON, BLACK, UL94 V-1, NYTEX MG-2012N	
BUSHING & ACTUATOR LEVER	ZINC ALLOY K2	.000100-.000150 NICKEL
SPRING	MUSIC WIRE	
SUPPORT BRACKET	C2680H BRASS	TIN
PIVOT PIN	STEEL	NICKEL
TERMINAL SEAL	EPOXY, UL94 V-1, BOOM HOUSE S-9001A	

A105J1AV2Q004	5-1571986-0
A105J1AQ004	4-1571986-9
NOT ASSIGNED	4-1571986-8
NOT ASSIGNED	4-1571986-7
A103J61ZQ0004	4-1571986-6
A103J51ZQ0004	4-1571986-5
A103J3ZQ004	4-1571986-4
A103J2ZQ004	4-1571986-3
A103J2CB004	4-1571986-2
A103J1ZQ004	4-1571986-1
A103J1V3Q004	4-1571986-0
A103J1AV2Q004	3-1571986-9
A103J1AV2B004	3-1571986-8
NOT ASSIGNED	3-1571986-7
A101J61ZQ0004	3-1571986-6
A101J51ZQ2004	3-1571986-5
A101J51ZQ0004	3-1571986-4
A101J51ZB0004	3-1571986-3
NOT ASSIGNED	3-1571986-2
A101J51Z3Q0004	3-1571986-1
A101J51Z3G0004	3-1571986-0
A101J51CB0004	2-1571986-9
A101J50ZQ004	2-1571986-8
A101J50V3Q204	2-1571986-7
A101J50V3Q004	2-1571986-6
A101J50AV2Q004	2-1571986-5
A101J4ZQ804	2-1571986-4
A101J4ZQ004	2-1571986-3
A101J3ZQ004	2-1571986-2
A101J3V3Q204	2-1571986-1
A101J2ZQ004	2-1571986-0
A101J2ZB904	1-1571986-9
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A101J1ZQ004	1-1571986-7
A101J1ZB004	1-1571986-6
A101J1V3Q004	1-1571986-5
A101J1V3B004	1-1571986-4
A101J1CQ004	1-1571986-3
A101J1CG004	1-1571986-2
A101J1AV2Q004	1-1571986-1
A101J1AV2B004	1-1571986-0
A101J1AQ204	1571986-9
A101J1AQ004	1571986-8
A101J1AB004	1571986-7
NOT ASSIGNED	1571986-6
NOT ASSIGNED	1571986-5
NOT ASSIGNED	1571986-4
NOT ASSIGNED	1571986-3
NOT ASSIGNED	1571986-2
A101J1AB004	1571986-1
ALCO P/N	P/N

9	A101J1AV2Q004AM9	7-1571986-4
8	A101J1AV2Q004AM8	7-1571986-3
7	A101J1AV2Q004AM	7-1571986-2
	A108J61ZQ0004	7-1571986-0
	A108J51ZQ0004	6-1571986-9
	A108J1ZQ004	6-1571986-8
	A108J1V3Q004	6-1571986-7
	A107J61ZQ0004	6-1571986-6
	A107J51ZQ0004	6-1571986-5
	A105J61ZQ0004	6-1571986-4
	A105J61ZG0004	6-1571986-3
	A105J52ZQ2004	6-1571986-2
	A105J51ZQ0004	6-1571986-1
	A105J4ZQ004	6-1571986-0
	A105J3ZQ004	5-1571986-9
	A105J3CQ2004	5-1571986-8
	A105J3CQ004	5-1571986-7
	A105J2ZQ004	5-1571986-6
	A105J2AV2Q004	5-1571986-5
	A105J2AQ004	5-1571986-4
	A105J1ZQ004	5-1571986-3
	A105J1V3B004	5-1571986-2
	A105J1CQ004	5-1571986-1
	ALCO P/N	P/N



PRELIMINARY

THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN M.BINNER 06JAN05		 TE Connectivity						
			CHK M.ZITTO 06JAN05								
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M.ZITTO 06JAN05		NAME					
		0 PLC ± —		PRODUCT SPEC		GEMINI A SERIES ROCKER SWITCH SINGLE POLE					
		1 PLC ± —		—							
		2 PLC ± —		—							
		3 PLC ± 0.25[0.01]		APPLICATION SPEC		SIZECAGE CODEDRAWING NORESTRICTED TO					
		4 PLC ± —		—							
MATERIAL		FINISH		WEIGHT		A200779C-1571986—					
—		—		—							
CUSTOMER DRAWING						SCALE		SHEET		REV	
						2:1		5 of 5		A8	