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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A12	REVISED PER ECO-17-001761	10MAY2017	RK	AS

TE LOGO

3

1

2

3

2A 250VAC

5A 120VAC

RATING

EPOXY SEAL

DATE CODE

04-YEAR

01-WEEK

AND

COUNTRY

OF ORIGIN

5

FUNCTION

ON ON

ALCO

8.89

[.350]

4.70±0.41

[.185±.016]

12.70

[.500]

6.86

[.270]

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

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 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 0 -

8 ACTUATOR MARKED - 0

9 ACTUATOR MARKED -

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

11 OBSOLETE

12 GRAY ACTUATOR WITH MODIFIED BRACKET (SUPPORT BRACKET TRIMMED PARALLEL TO THE PCB)

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				

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± 0.25[0.01]

4 PLC ± -

ANGLES ± 4°

FINISH -

MATERIAL -

DWN M.BINNER 06JAN05

CHK M.ZITTO 06JAN05

APVD M.ZITTO 06JAN05

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

TE Connectivity

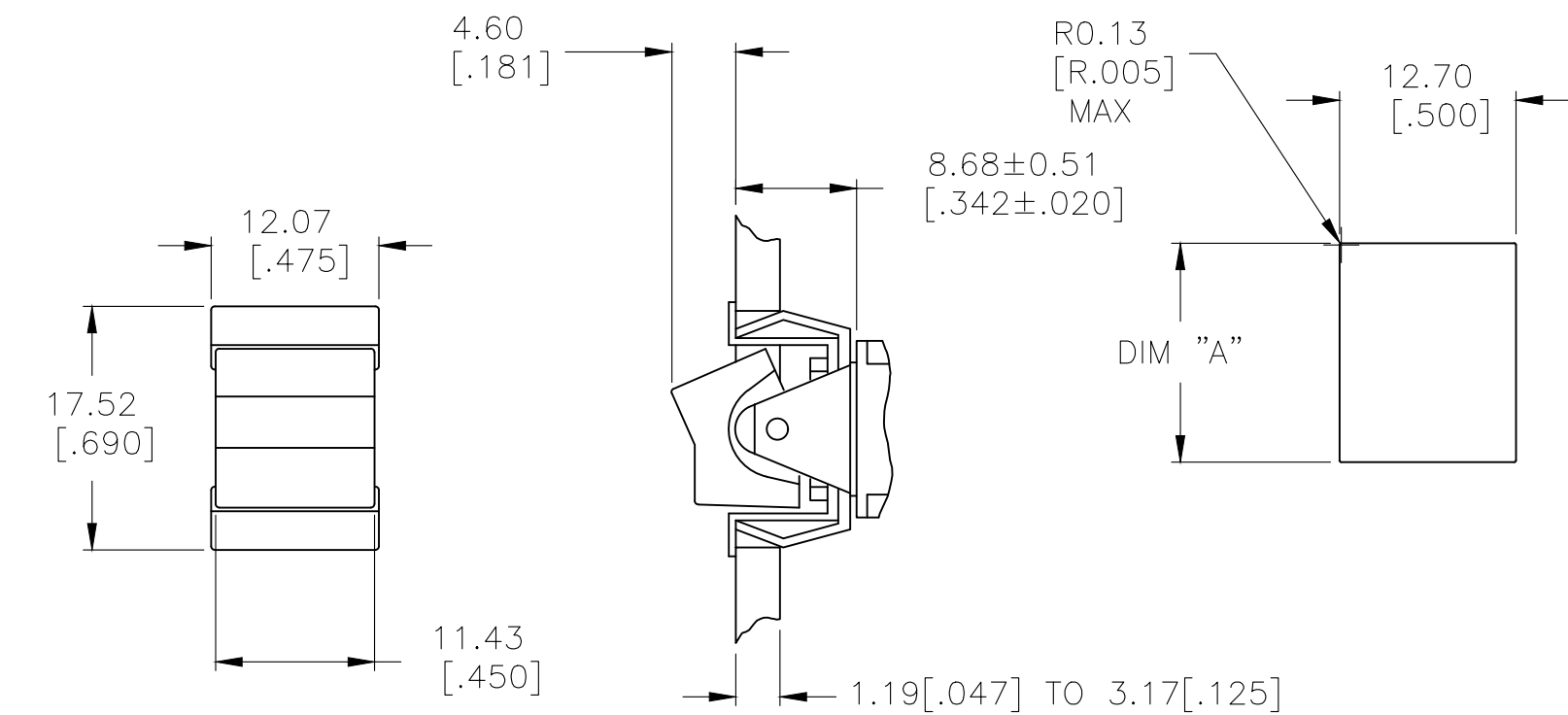
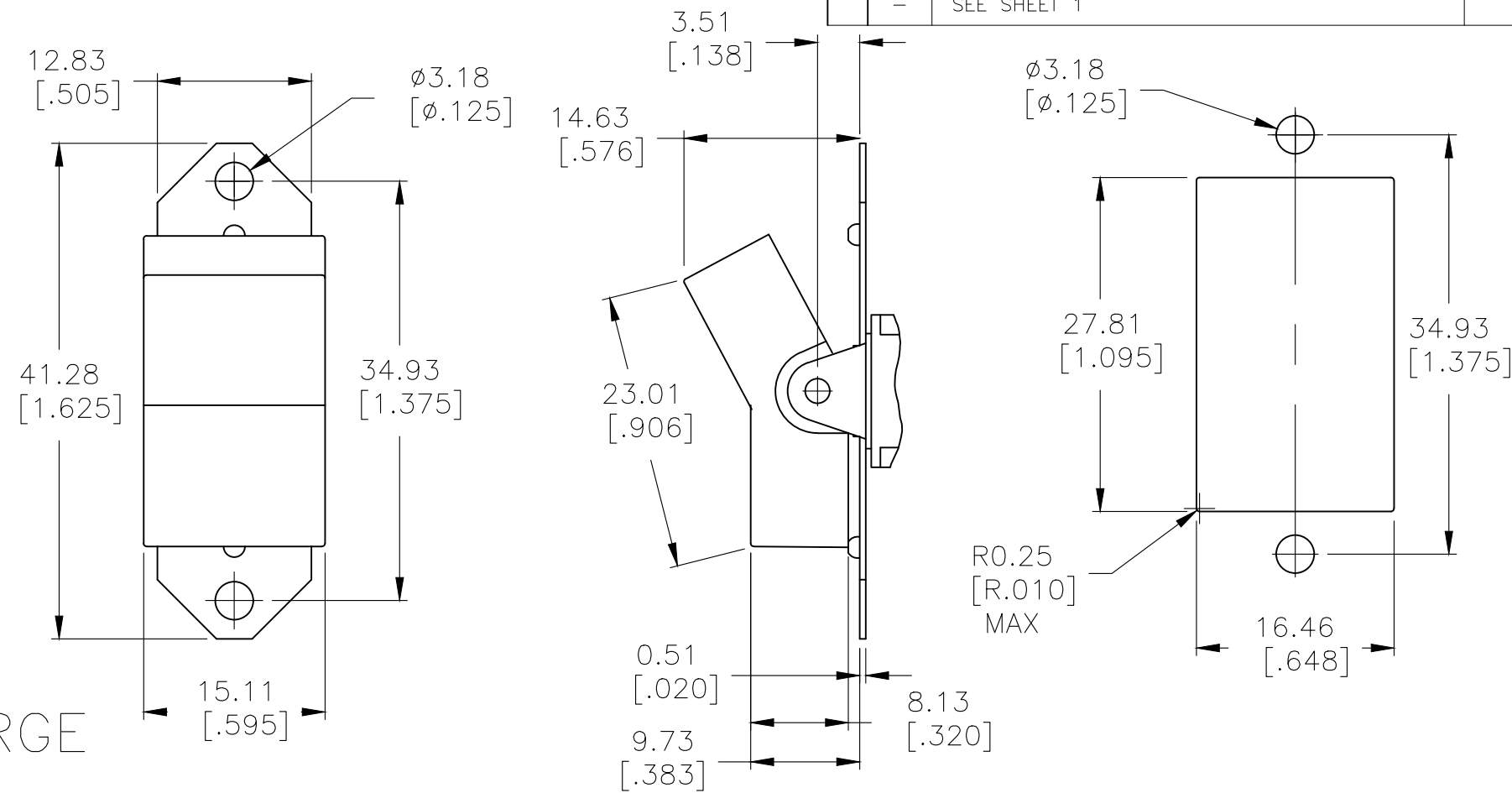
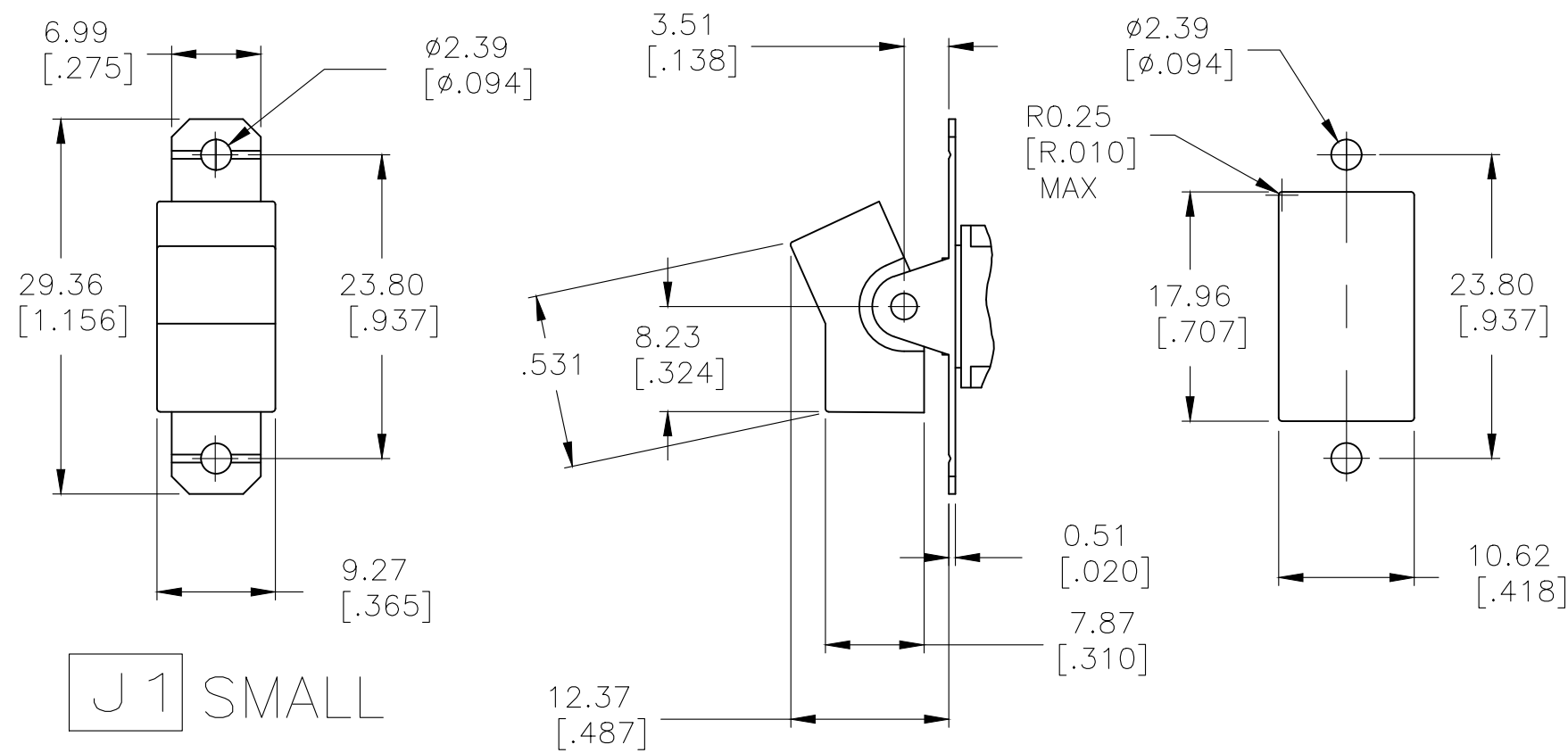
GEMINI A SERIES ROCKER SWITCH SINGLE POLE

SIZE A2 CAGE CODE 00779 DRAWING NO 1571986 RESTRICTED TO -

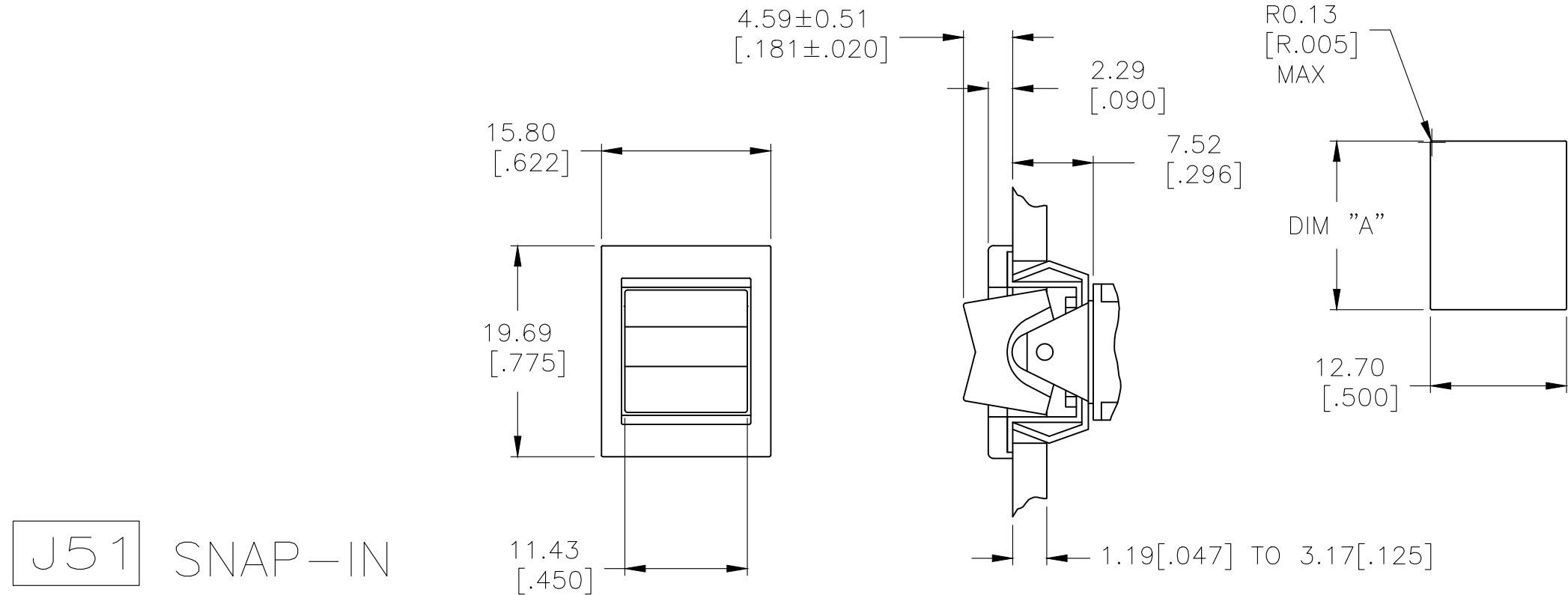
SCALE 2:1 SHEET 1 OF 5 REV A12

1471-9 (1/15)

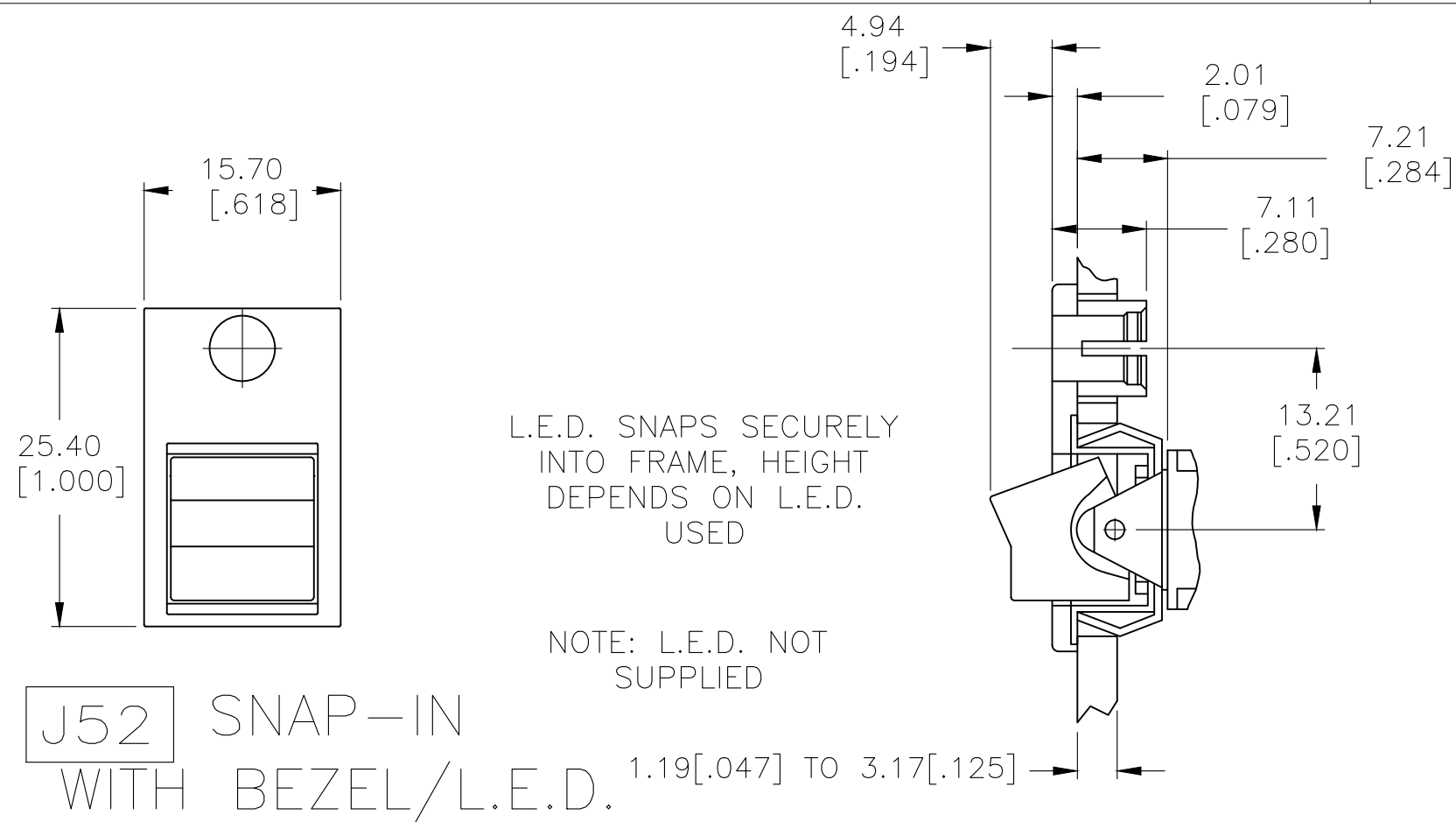
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—	SEE SHEET 1	—	—	—



J50 SNAP-IN



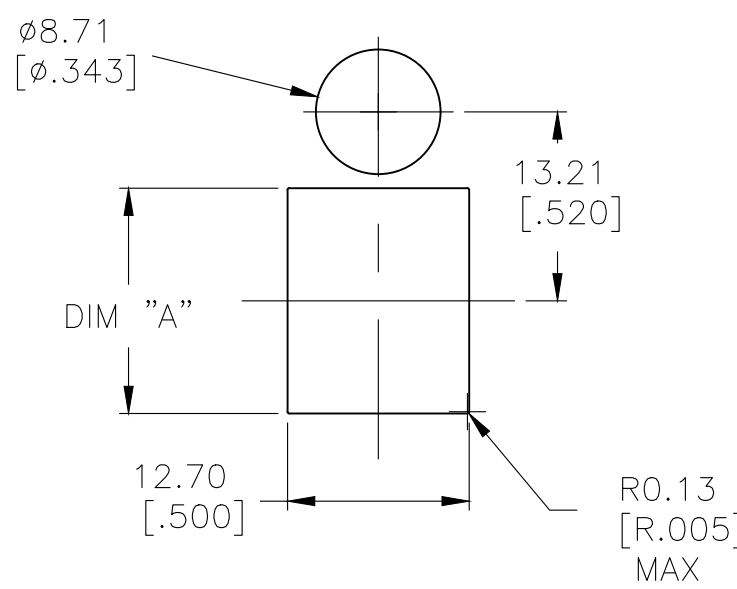
J51 SNAP-IN WITH BEZEL



J52 SNAP-IN WITH BEZEL/L.E.D.

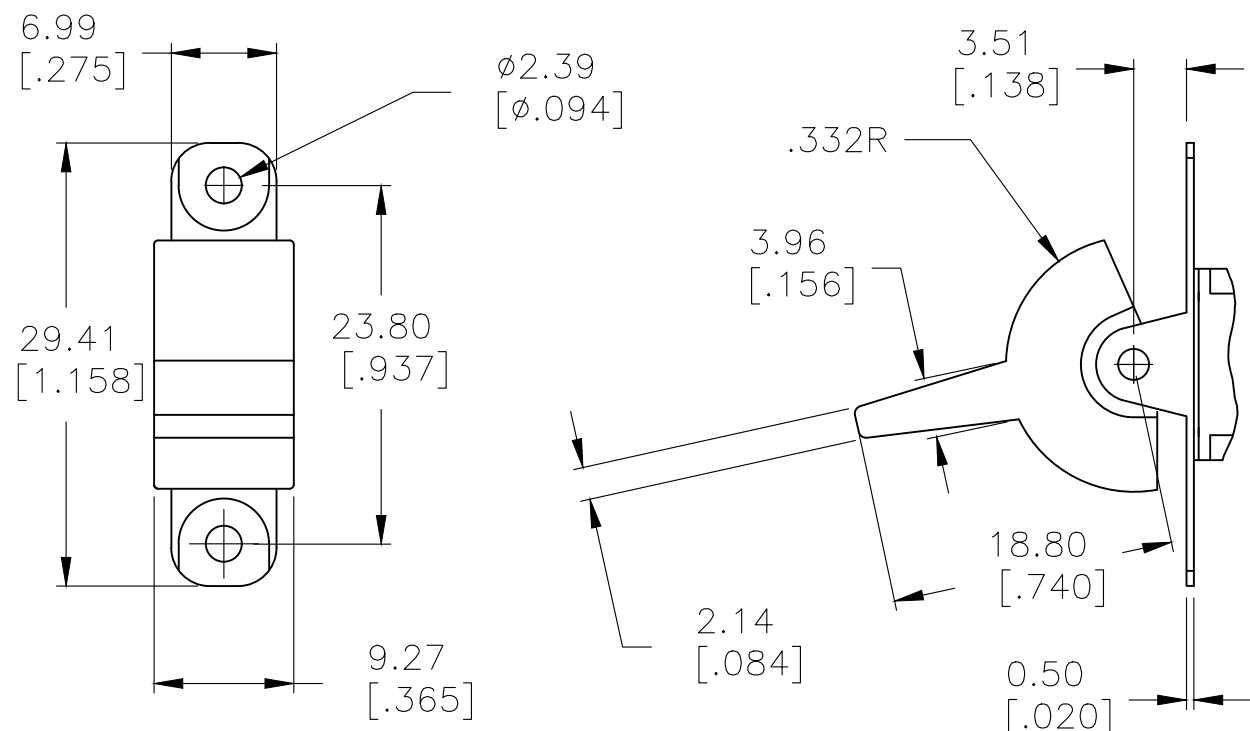
L.E.D. SNAPS SECURELY INTO FRAME, HEIGHT DEPENDS ON L.E.D. USED

NOTE: L.E.D. NOT SUPPLIED

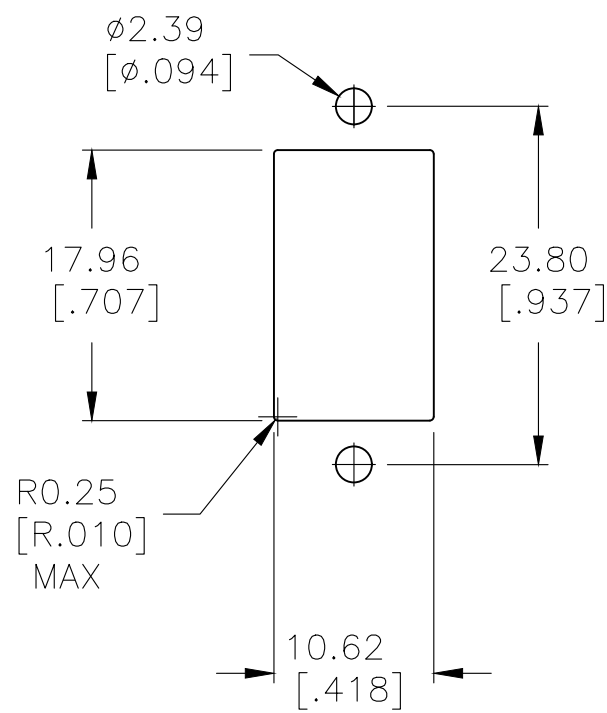


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	M.BINNER	06JAN05
		CHK	M.ZITTO	06JAN05
		APVD	M.ZITTO	06JAN05
		PRODUCT SPEC		
		APPLICATION SPEC		
		WEIGHT		
		CUSTOMER DRAWING		
		SCALE		
		SHEET		
		REV		
		A12		

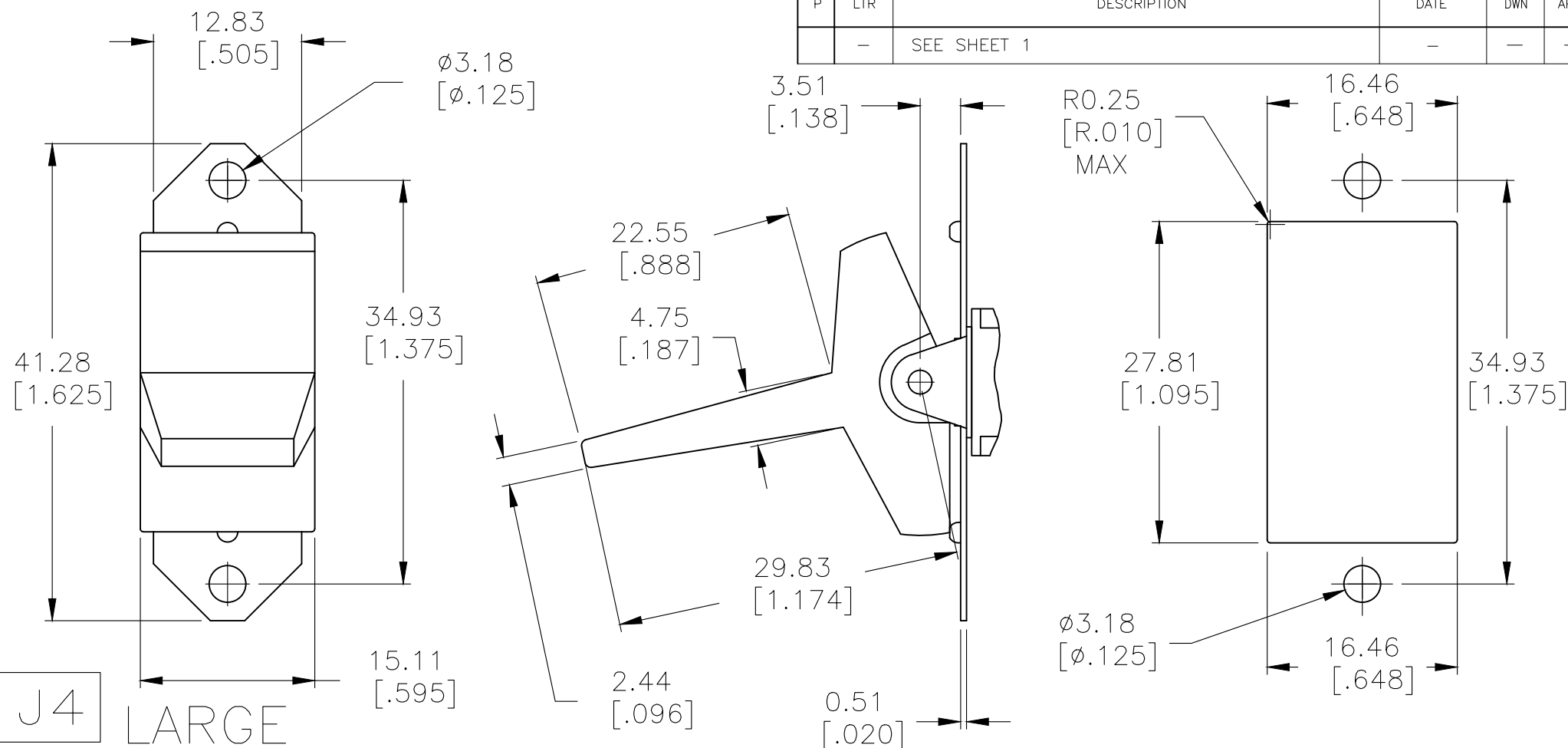
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



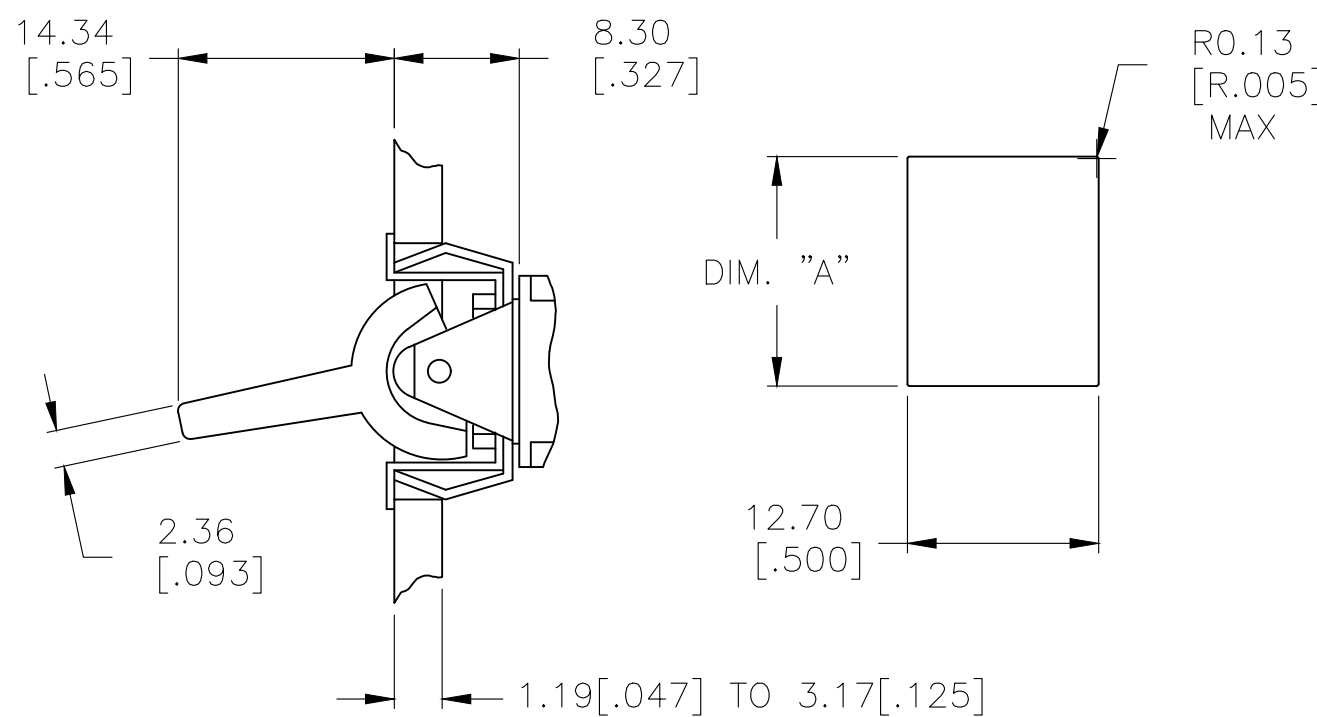
J2 SMALL



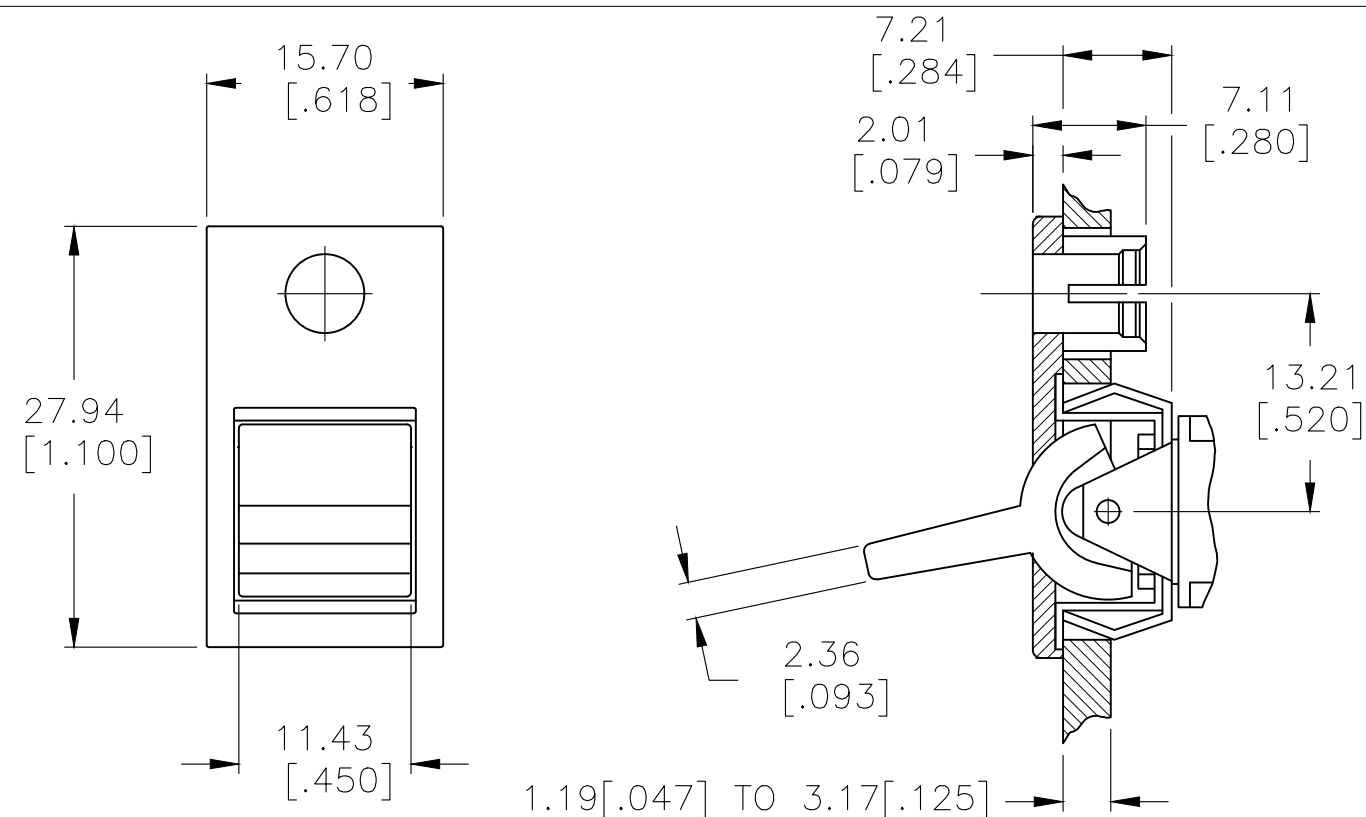
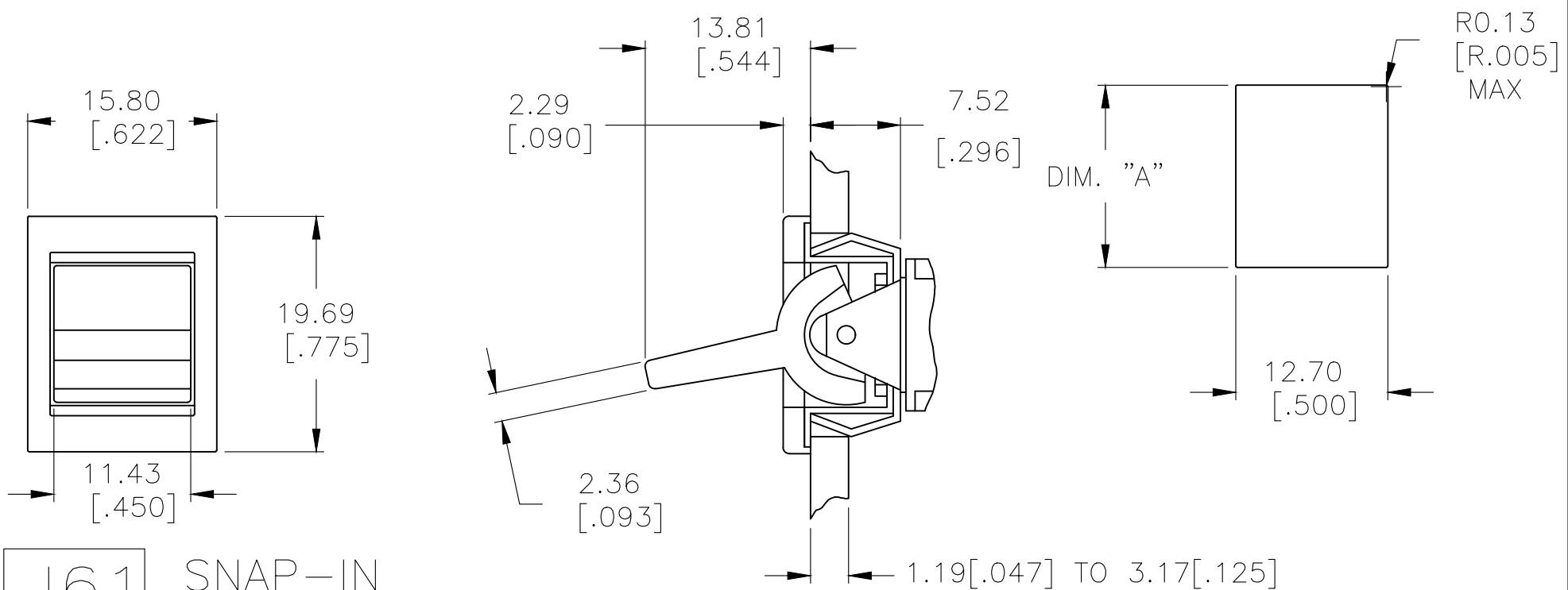
J4 LARGE



J60 SNAP-IN

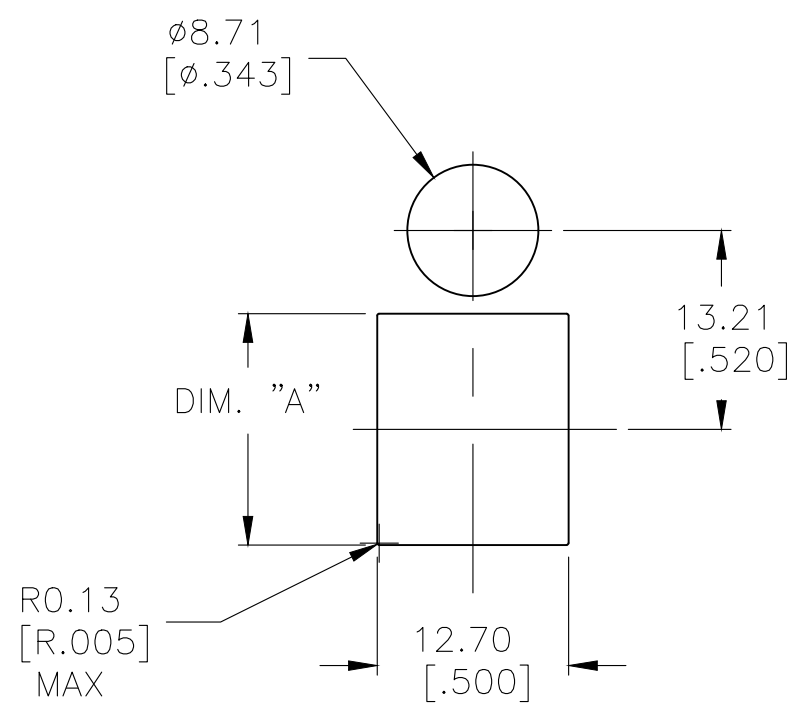


J61 SNAP-IN WITH BEZEL



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

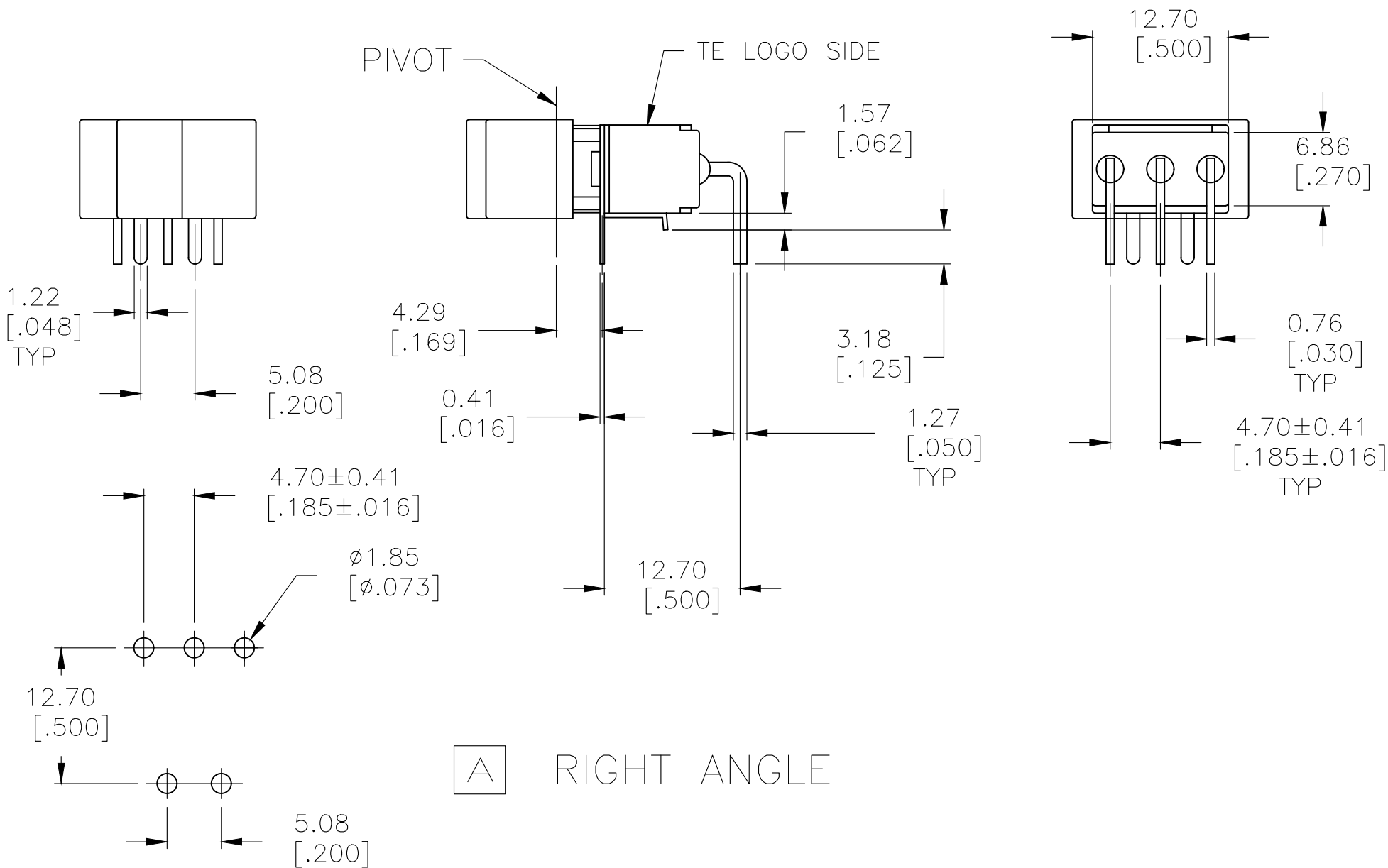
NOTE: L.E.D. NOT SUPPLIED



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	M.BINNER	06JAN05
DIMENSIONS: mm [INCHES]		CHK	M.ZITTO	06JAN05
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	M.ZITTO	06JAN05
0 PLC ± -		PRODUCT SPEC	NAME	
1 PLC ± -		APPLICATION SPEC	GEMINI A SERIES ROCKER SWITCH SINGLE POLE	
2 PLC ± -		WEIGHT	-	RESTRICTED TO
3 PLC ± 0.25[0.01]		SCALE	2:1	SHEET 3 OF 5
4 PLC ± -		REV	A12	
ANGLES ± 4°				
FINISH				
MATERIAL				

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

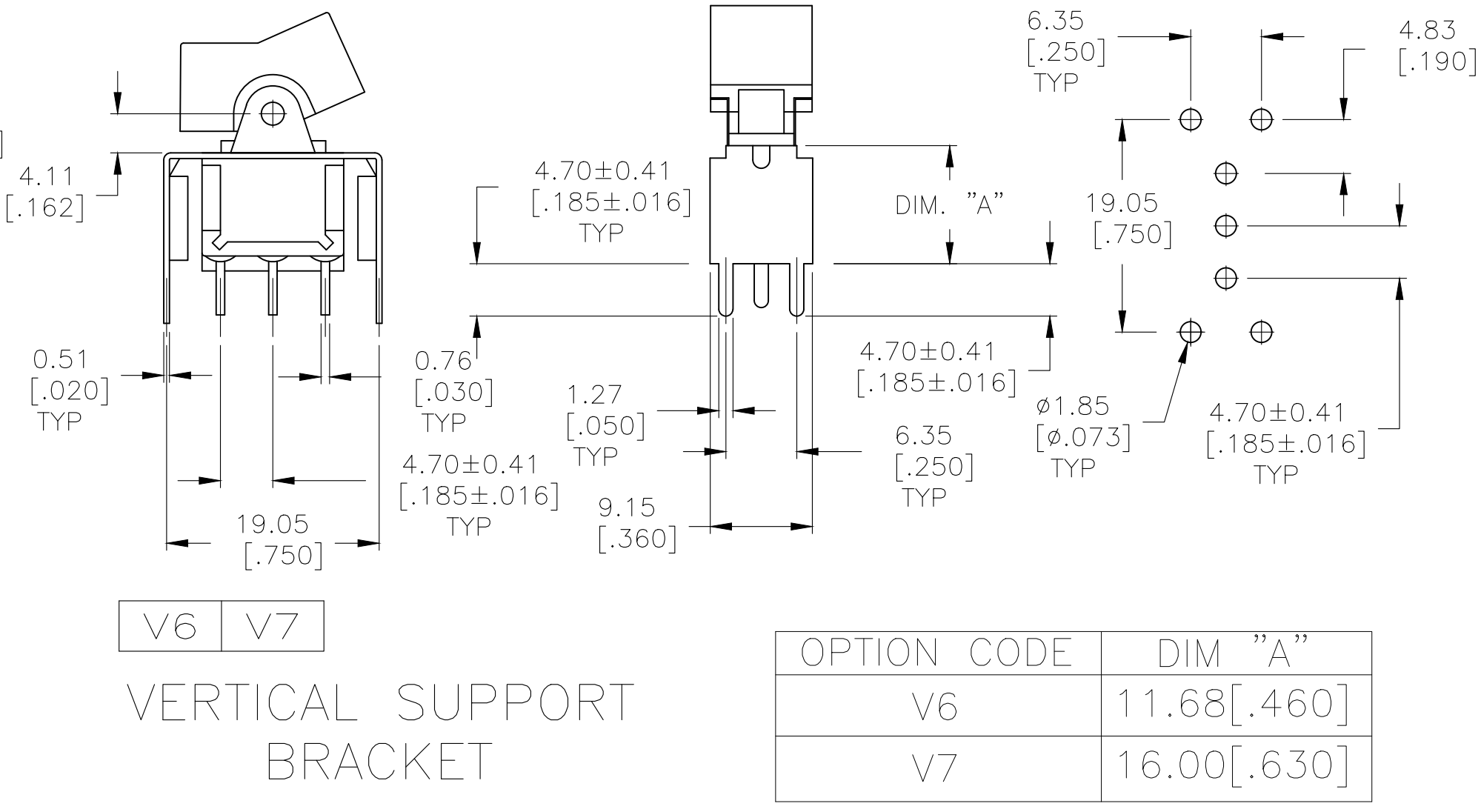
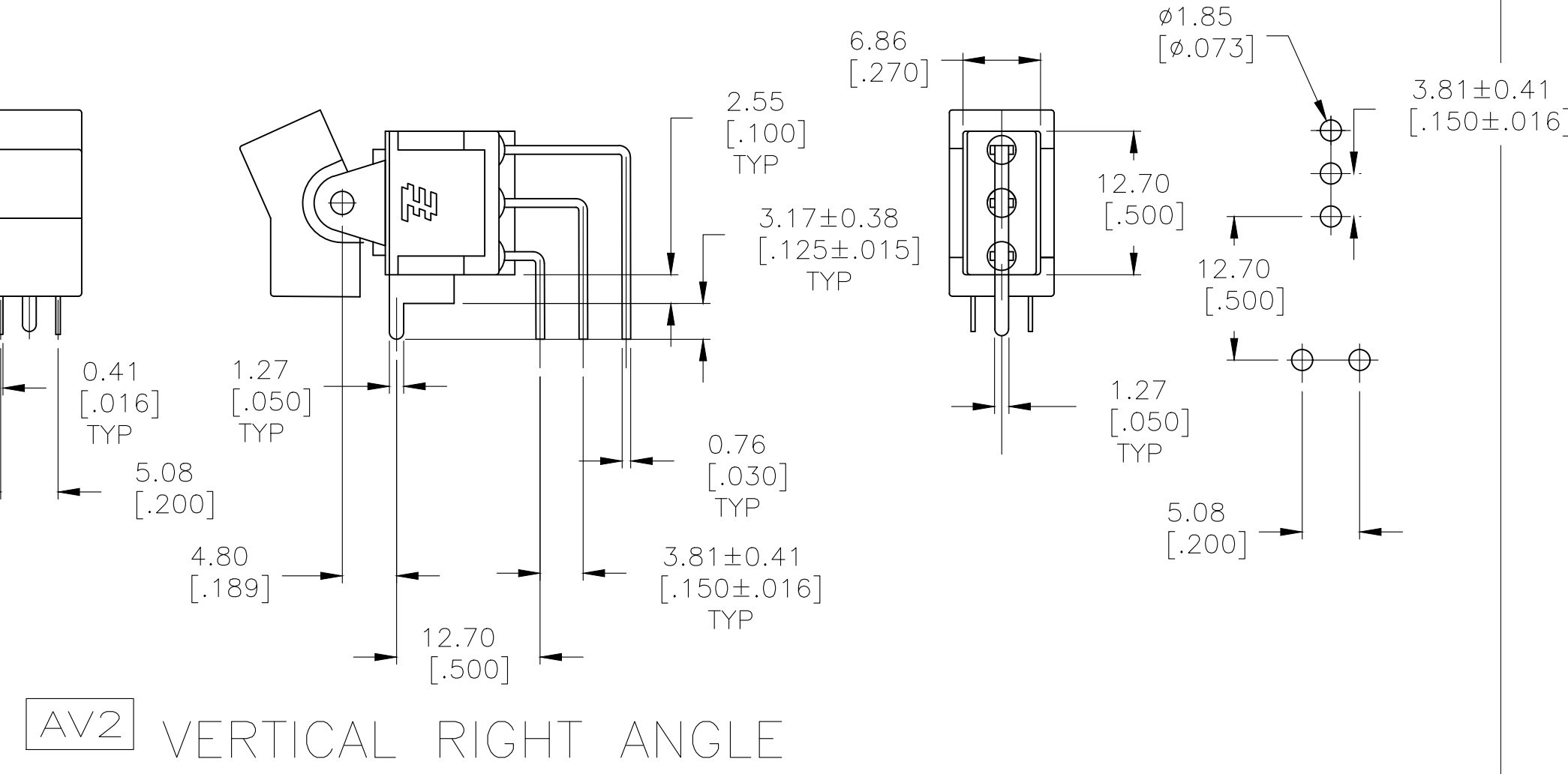
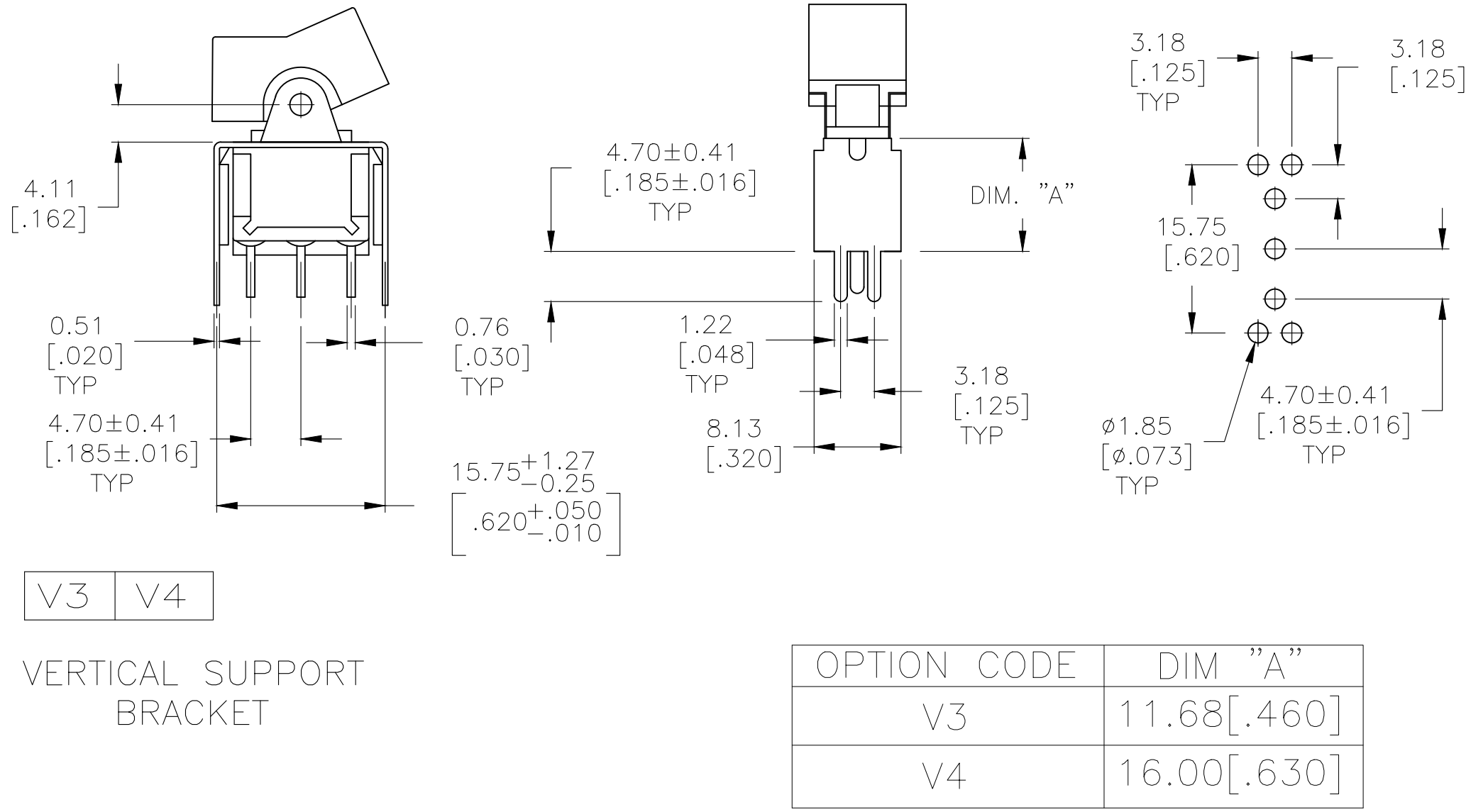
D



C

B

A



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± 0.25[0.01]
4 PLC ± -
ANGLES ± 4°
FINISH -

DWN M.BINNER 06JAN05
CHK M.ZITTO 06JAN05
APVD M.ZITTO 06JAN05
PRODUCT SPEC
APPLICATION SPEC
WEIGHT -

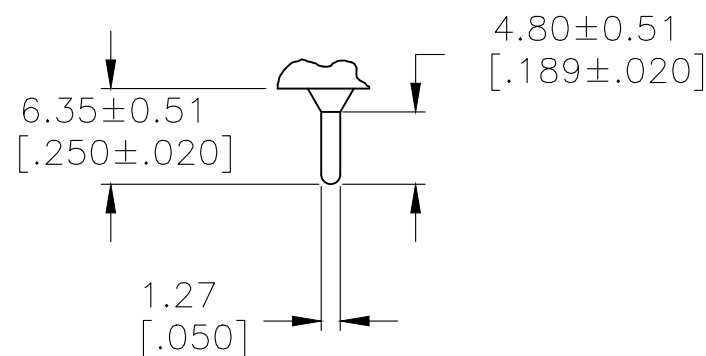
TE Connectivity

GEMINI A SERIES ROCKER SWITCH
SINGLE POLE

SIZE A2 CAGE CODE 00779 DRAWING NO 1571986
SCALE 2:1 SHEET 4 OF 5

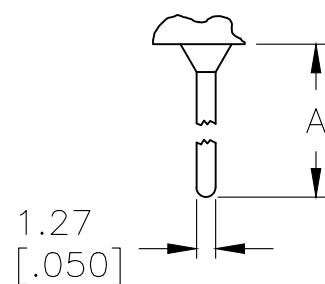
RESTRICTED TO

REV A12



.030 THK.

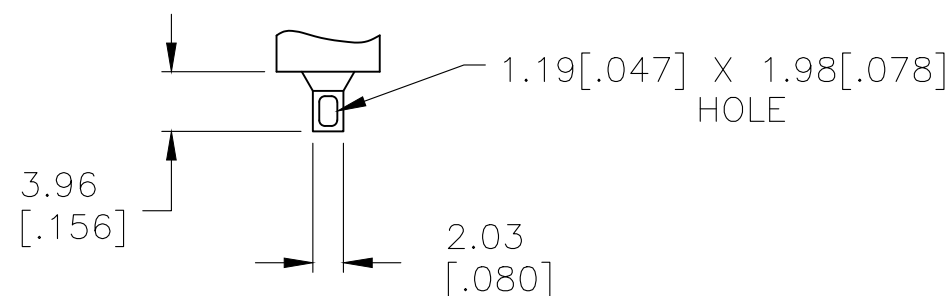
PRINTED CIRCUIT



.030 THK.

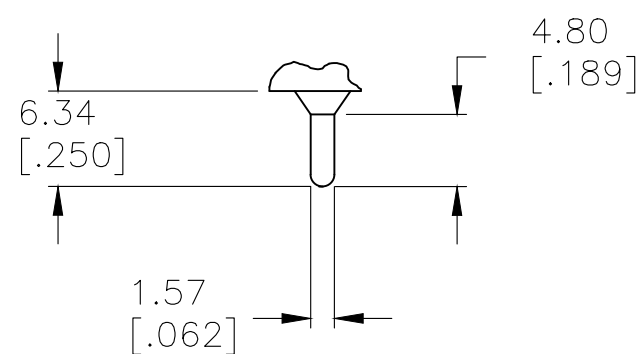
OPTION	DIM A
W	18.69[.736]
W4	26.97[1.062]

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	

1	1	A105J1AV2Q004	5-1571986-0
1	1	A105J1AQ004	4-1571986-9
1	1	NOT ASSIGNED	4-1571986-8
1	12	A103J1AV2Q004MB	4-1571986-7
		A103J61ZQ0004	4-1571986-6
		A103J51ZQ0004	4-1571986-5
1	1	A103J3ZQ004	4-1571986-4
1	1	A103J2ZQ004	4-1571986-3
1	1	A103J2CB004	4-1571986-2
		A103J1ZQ004	4-1571986-1
1	1	A103J1V3Q004	4-1571986-0
1	1	A103J1AV2Q004	3-1571986-9
		A103J1AV2B004	3-1571986-8
1	1	NOT ASSIGNED	3-1571986-7
		A101J61ZQ0004	3-1571986-6
		A101J51ZQ2004	3-1571986-5
		A101J51ZQ0004	3-1571986-4
1	1	A101J51ZB0004	3-1571986-3
1	1	NOT ASSIGNED	3-1571986-2
		A101J51Z3Q0004	3-1571986-1
		A101J51Z3G0004	3-1571986-0
		A101J51CB0004	2-1571986-9
1	1	A101J50ZQ004	2-1571986-8
1	1	A101J50V3Q204	2-1571986-7
1	1	A101J50V3Q004	2-1571986-6
1	1	A101J50AV2Q004	2-1571986-5
1	1	A101J4ZQ804	2-1571986-4
		A101J4ZQ004	2-1571986-3
1	1	A101J3ZQ004	2-1571986-2
1	1	A101J3V3Q204	2-1571986-1
		A101J2ZQ004	2-1571986-0
		A101J2VB904	1-1571986-9
1	1	A101J2AV2Q004	1-1571986-8
		A101J1ZQ004	1-1571986-7
1	1	A101J1ZB004	1-1571986-6
		A101J1V3Q004	1-1571986-5
		A101J1V3B004	1-1571986-4
1	1	A101J1CQ004	1-1571986-3
		A101J1CG004	1-1571986-2
		A101J1AV2Q004	1-1571986-1
1	1	A101J1AV2B004	1-1571986-0
		A101J1AQ204	1571986-9
		A101J1AQ004	1571986-8
		A101J1AB004	1571986-7
1	1	NOT ASSIGNED	1571986-6
1	1	NOT ASSIGNED	1571986-5
1	1	NOT ASSIGNED	1571986-4
1	1	NOT ASSIGNED	1571986-3
1	1	NOT ASSIGNED	1571986-2
7	1	A101J1AB004	1571986-1
		ALCO P/N	P/N

11	9	A101J1AV2Q004AM9	7-1571986-4
11	8	A101J1AV2Q004AM8	7-1571986-3
	7	A101J1AV2Q004AM	7-1571986-2
11		A108J61ZQ0004	7-1571986-0
		A108J51ZQ0004	6-1571986-9
11		A108J1ZQ004	6-1571986-8
11		A108J1V3Q004	6-1571986-7
11		A107J61ZQ0004	6-1571986-6
		A107J51ZQ0004	6-1571986-5
		A105J61ZQ0004	6-1571986-4
11		A105J61ZG0004	6-1571986-3
11		A105J52ZQ2004	6-1571986-2
		A105J51ZQ0004	6-1571986-1
		A105J4ZQ004	6-1571986-0
		A105J3ZQ004	5-1571986-9
11		A105J3CQ2004	5-1571986-8
11		A105J3CQ004	5-1571986-7
		A105J2ZQ004	5-1571986-6
11		A105J2AV2Q004	5-1571986-5
11		A105J2AQ004	5-1571986-4
		A105J1ZQ004	5-1571986-3
11		A105J1V3B004	5-1571986-2
11		A105J1CQ004	5-1571986-1
		ALCO P/N	P/N

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN <u>M.BINNER</u>		06JAN05		 TE Connectivity	
		CHK <u>M.ZITTO</u>		06JAN05			
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD <u>M.ZITTO</u>		NAME	
		0 PLC ± —		PRODUCT SPEC		GEMINI A SERIES ROCKER SWITCH SINGLE POLE	
		1 PLC ± —		—			
		2 PLC ± —		—			
		3 PLC ± 0.25[0.01]		APPLICATION SPEC			
		4 PLC ± —		—			
		ANGLES ± 4°					
MATERIAL		FINISH		WEIGHT		RESTRICTED TO	
—		—		—		—	
CUSTOMER DRAWING						SCALE 2:1	
						SHEET 5 of 5	
						REV A12	