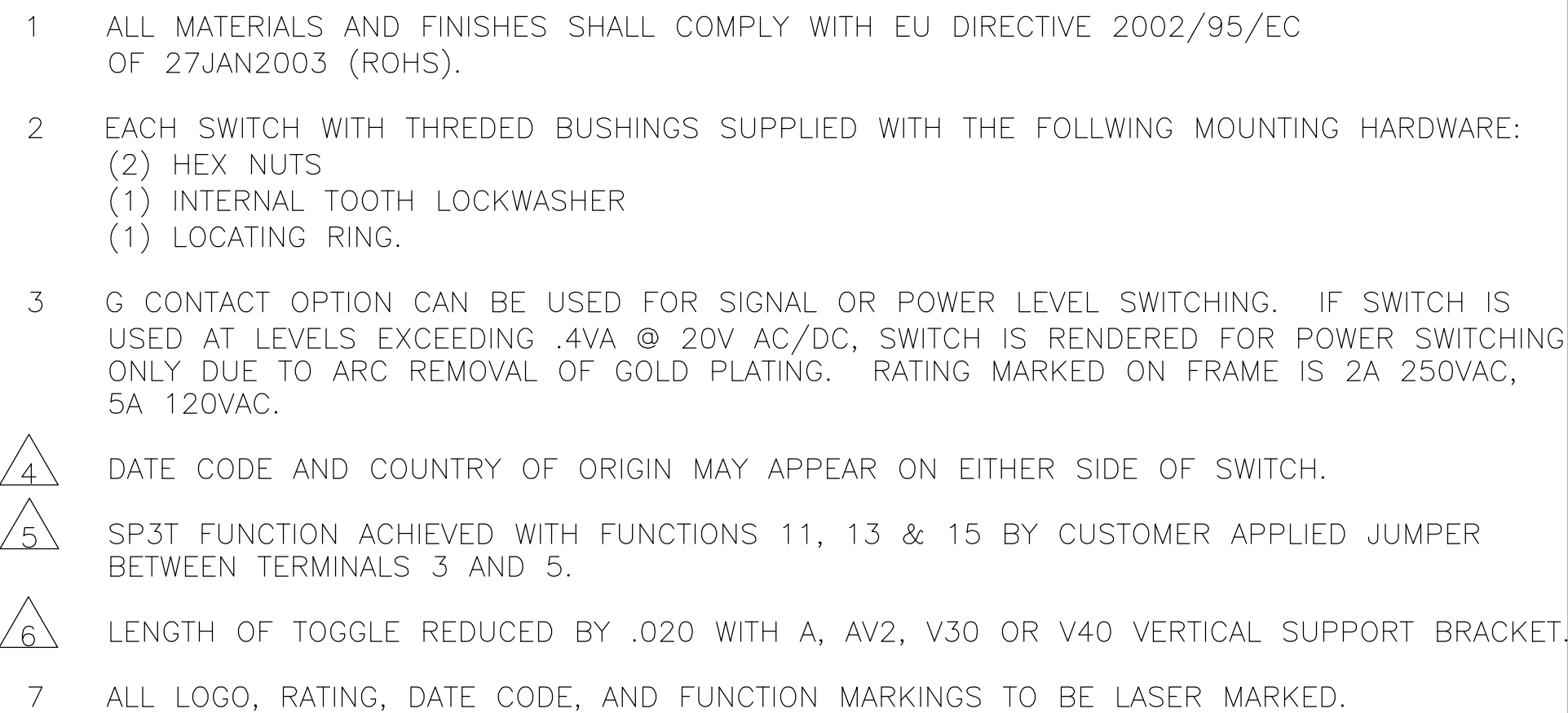
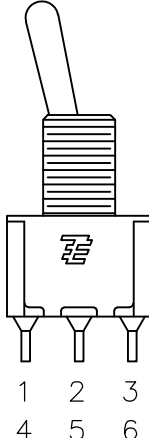
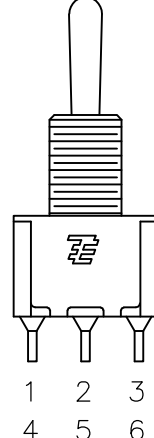
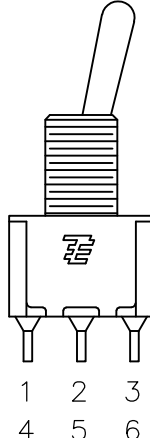
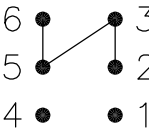
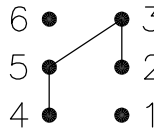
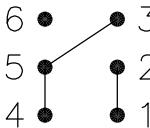




SPECIFICATIONS CHART	
RATING, B CONTACTS	.4VA MAX @20V MAX. AC OR DC
RATING, G CONTACTS—SEE NOTE 3	.4VA MAX @20V MAX. AC OR DC OR
	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
RATING, Q CONTACTS	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
ELECTRICAL LIFE	6,000 CYCLES AT RATED 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	TOGGLE	BUSHING	TERMINAL	CONTACT	RoHS
A2	03	K	CW	A	B	04
	05	K1	D	AV2	G	
	07	L	D9	C	Q	
	11	L1	H	V30		
	13	L2	Y	V40		
	15	M	Y9	V70		
SAMPLE: A207SYZQ04		P3		W		
		S		W4		
		T		Z		
		T1		Z3		

FUNCTION CHART			
FUNCTION			
03	ON	OFF	ON
05	(ON)	OFF	(ON)
07	ON	OFF	(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) SEE NOTE 5			
	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			

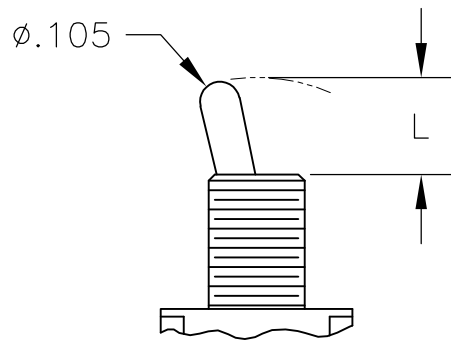
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO 18MAY05 CHK M. ZITTO APVD M. ZITTO PRODUCT SPEC APPLICATION SPEC — WEIGHT 0		 TE Connectivity NAME GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 3 POSITION FUNCTIONS (03, 05, 07, 11, 13 & 15) — SIZE A2 CAGE CODE 00779 DRAWING NO C=1825139 RESTRICTED TO —			
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:					
		0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± .010 4 PLC ± — ANGLES ± 2°					
MATERIAL —		FINISH —					
CUSTOMER DRAWING				SCALE 3:1		SHEET 1 of 4	
						REV A5	

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

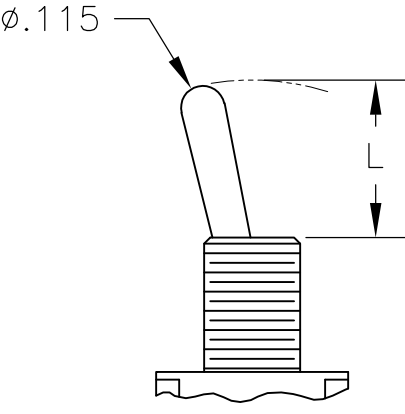
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TOGGLES



M

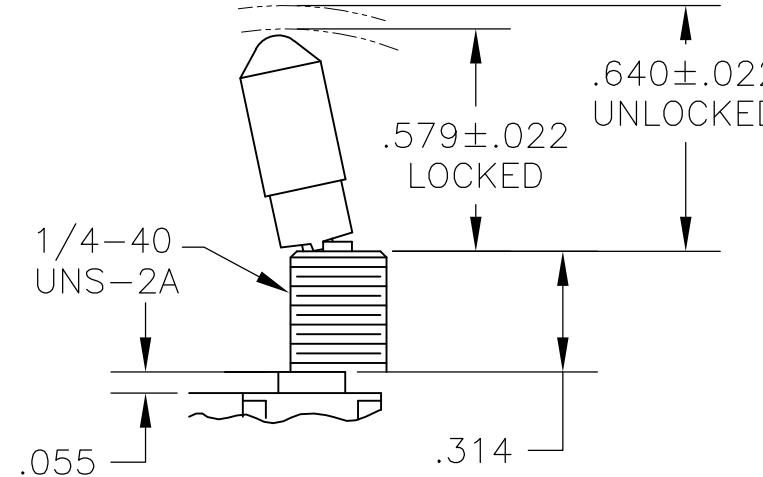
SHORT



S

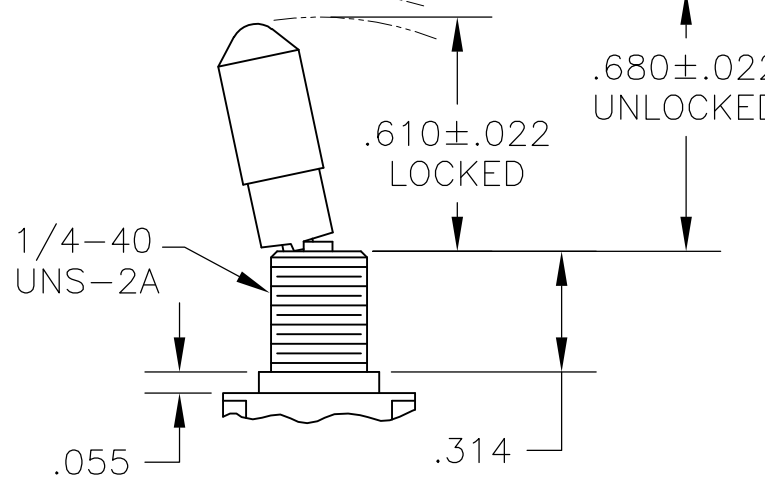
STANDARD

DIM L	BUSHING TYPE	DIM L	BUSHING TYPE
.200	Y, H	.410	Y, H
.270	D, D9	.480	D, D9



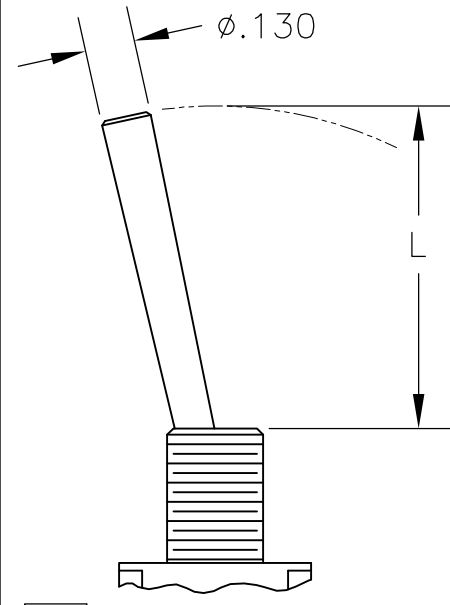
K

NO BUSHING OPTION NEEDED



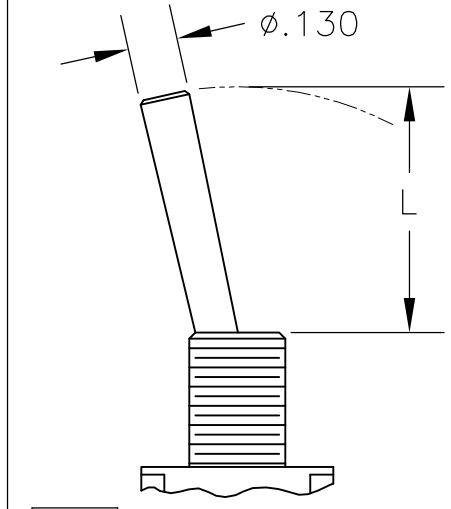
K1

NO BUSHING OPTION NEEDED



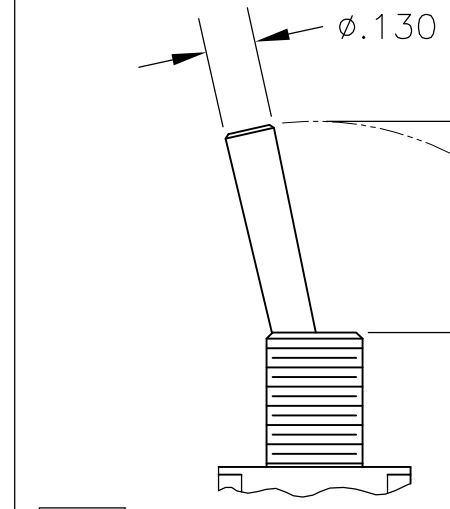
L

LEVER



L1

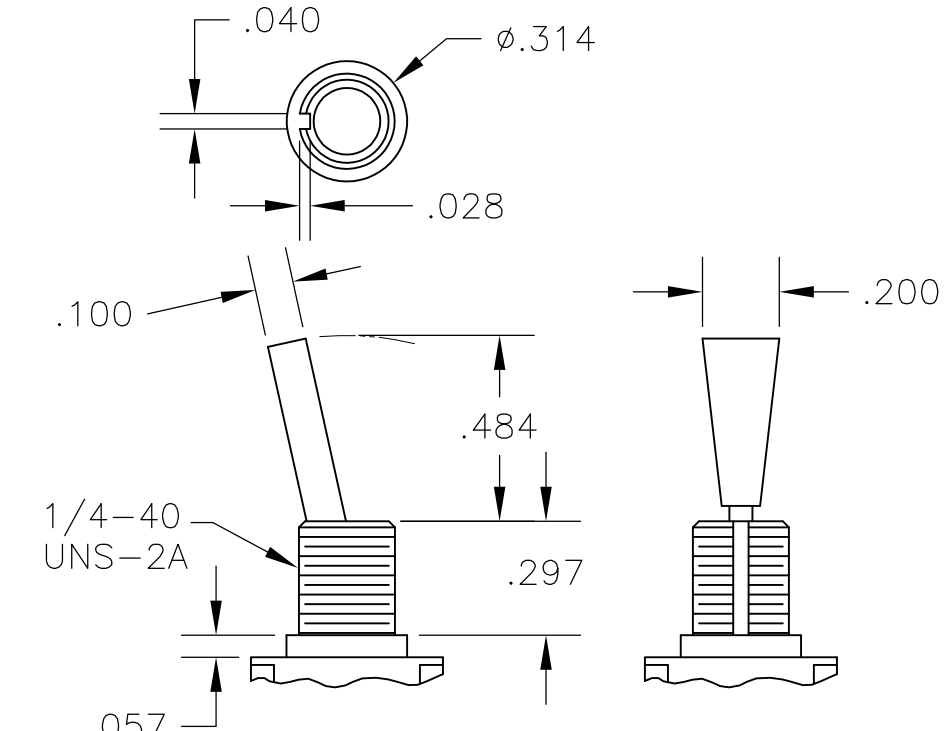
LEVER



L2

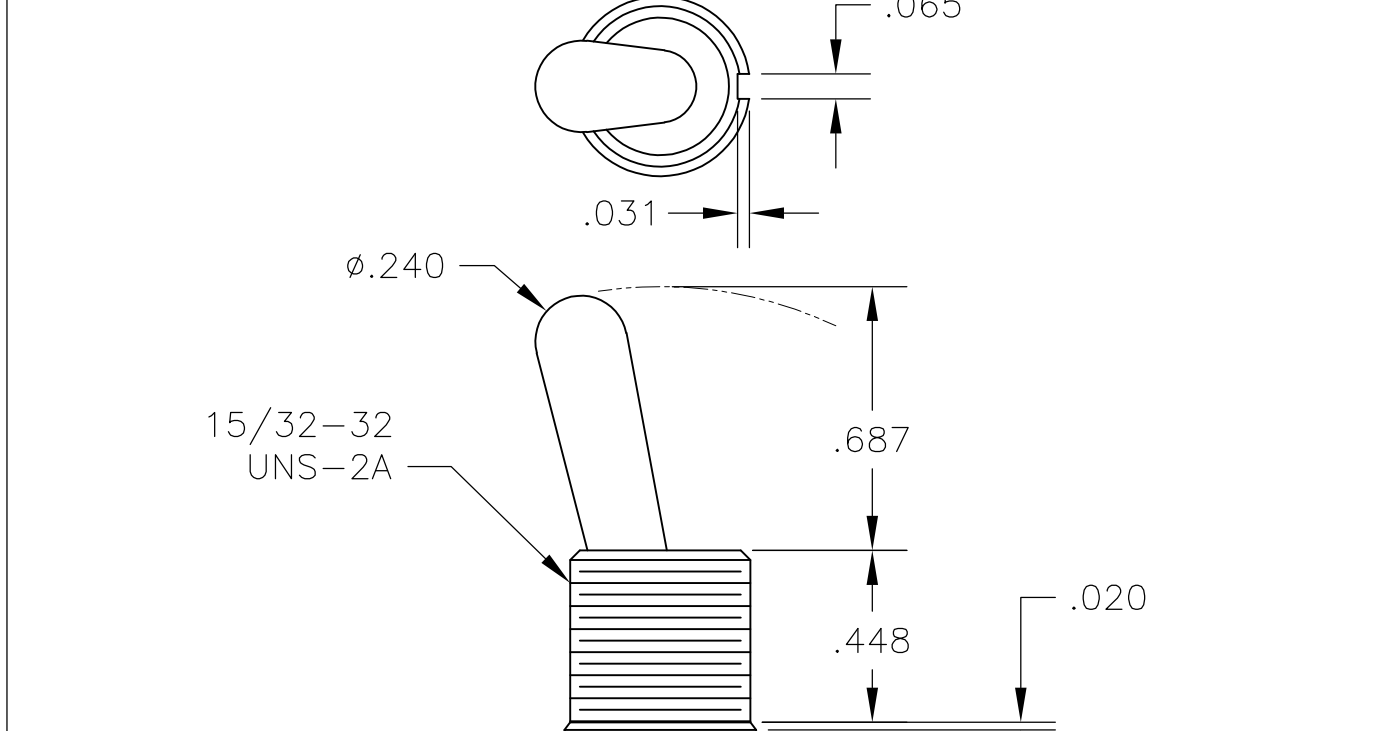
LEVER

DIM L	BUSHING TYPE	DIM L	BUSHING TYPE	DIM L	BUSHING TYPE
.840	Y, H	.640	Y, H	.550	Y, H
.910	D, D9	.710	D, D9	.620	D, D9



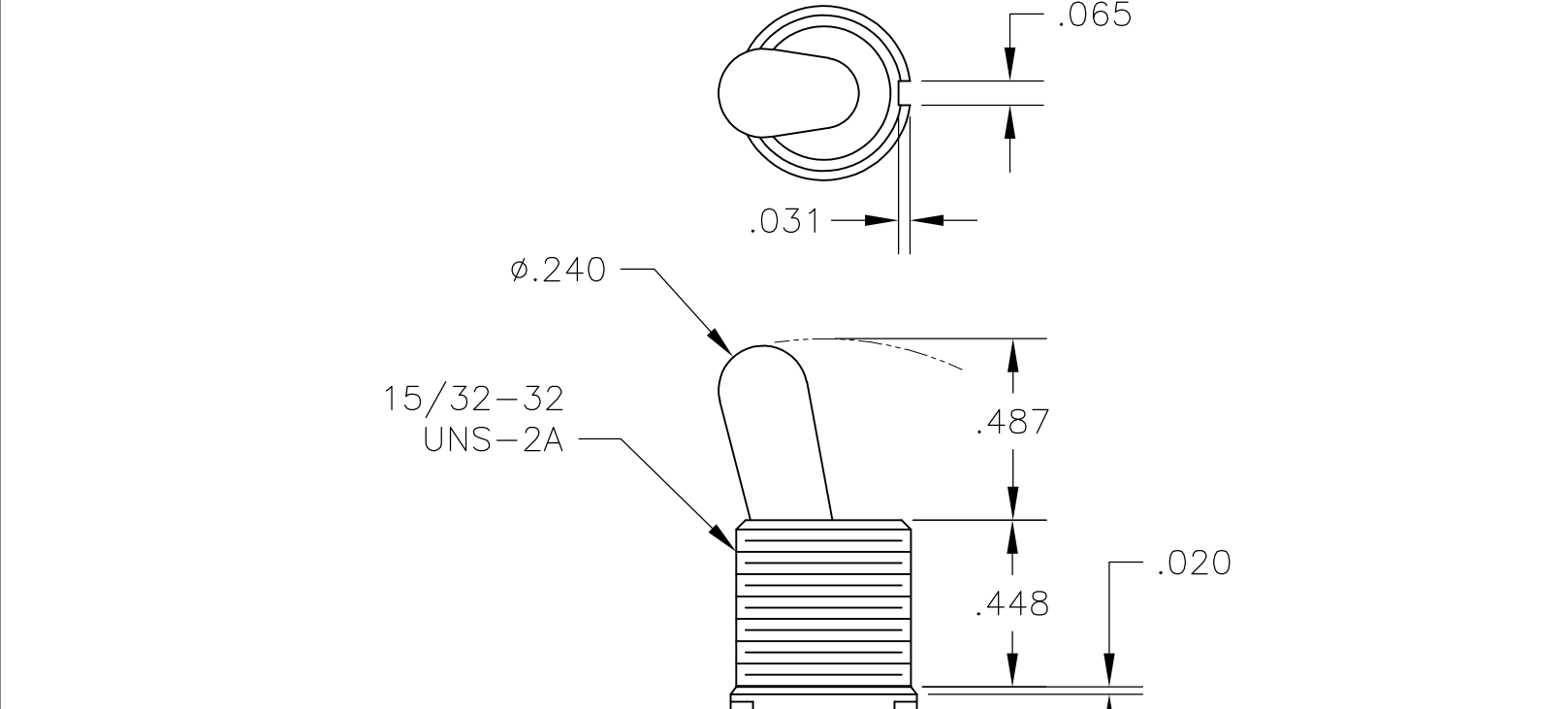
P3

NO BUSHING OPTION NEEDED



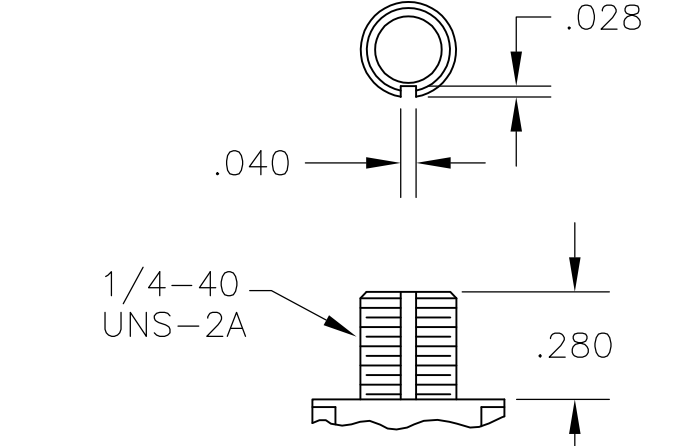
T

NO BUSHING OPTION NEEDED



T1

NO BUSHING OPTION NEEDED

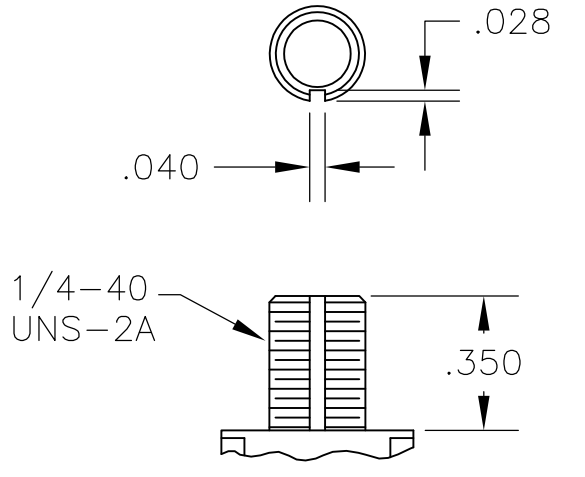


D

THREADED

D9

UNTHREADED

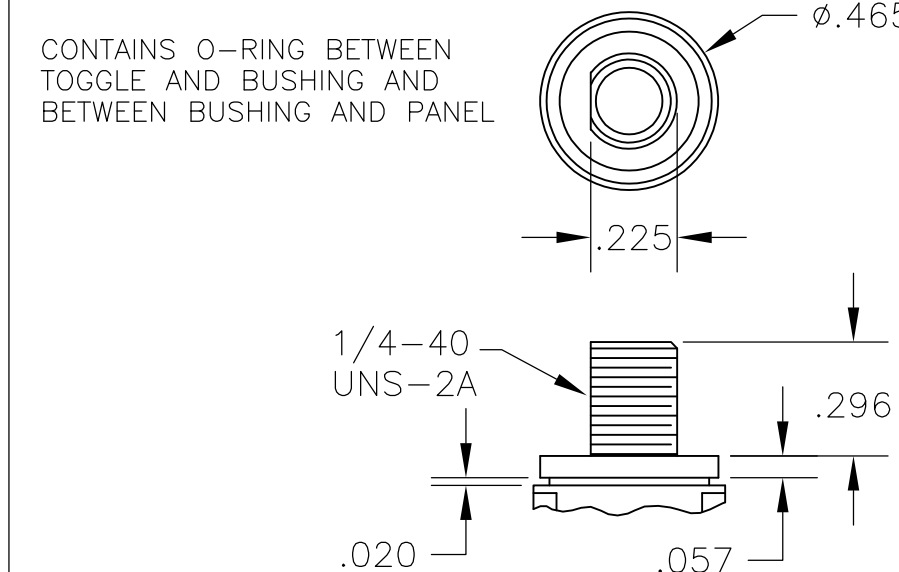


Y

THREADED

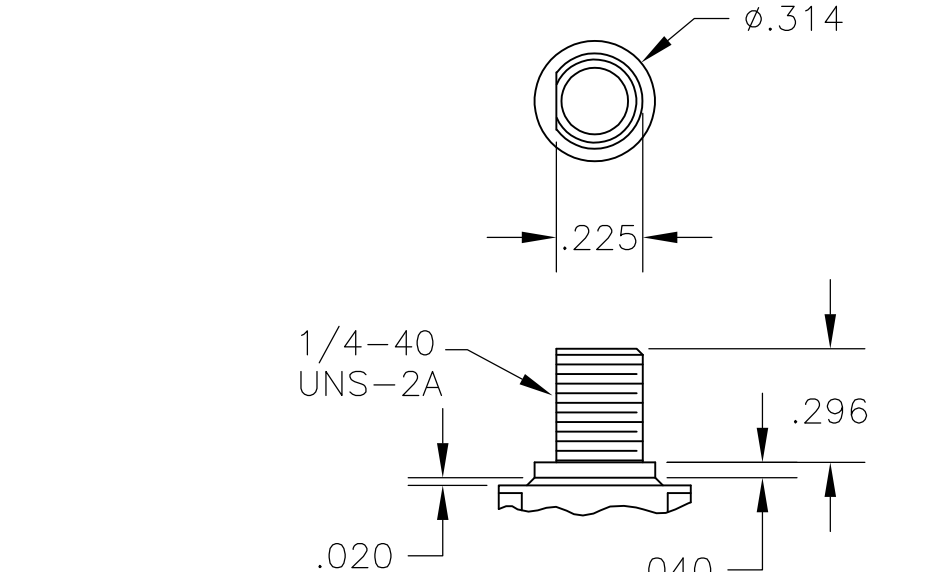
Y9

UNTHREADED



CW

THREADED SPLASHPROOF



H

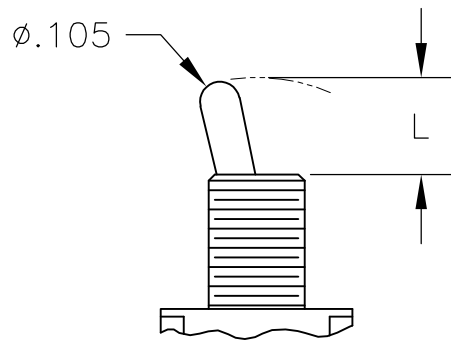
HIGH TORQUE

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RELEASED FOR PUBLICATION

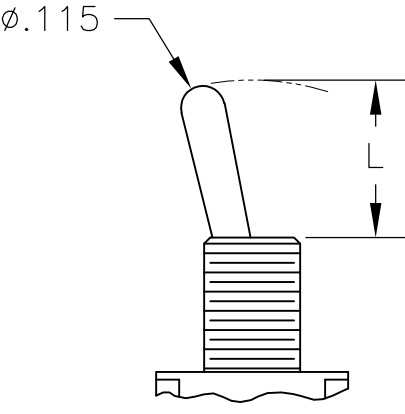
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TOGGLES



M

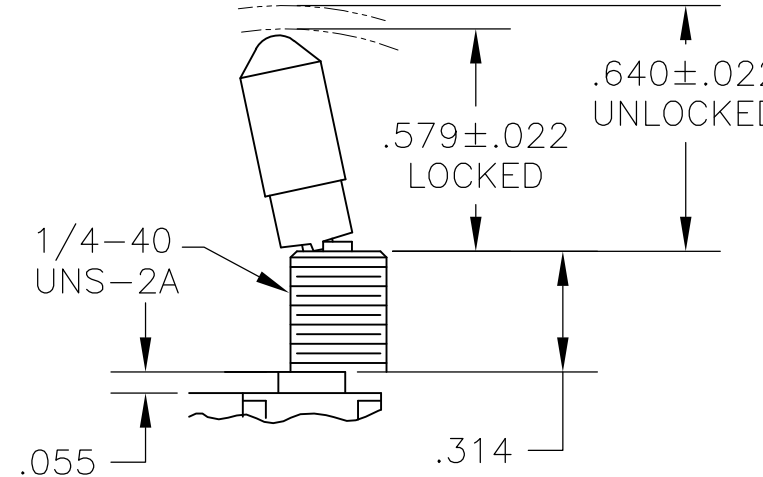
SHORT



S

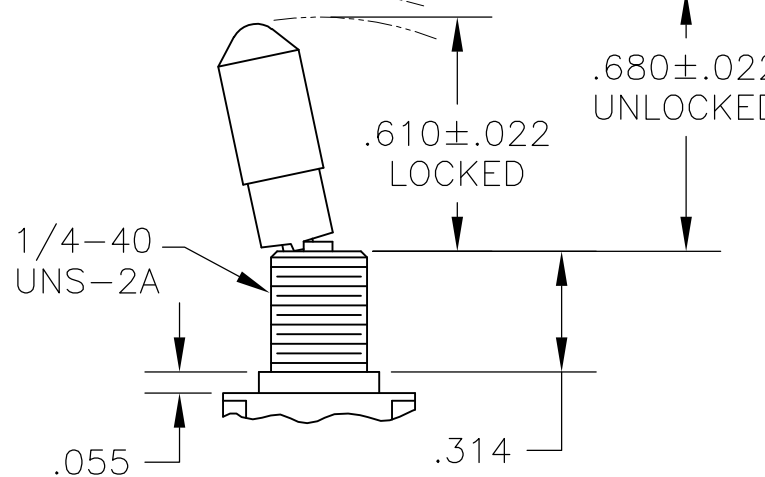
STANDARD

DIM L	BUSHING TYPE	DIM L	BUSHING TYPE
.200	Y, H	.410	Y, H
.270	D, D9	.480	D, D9



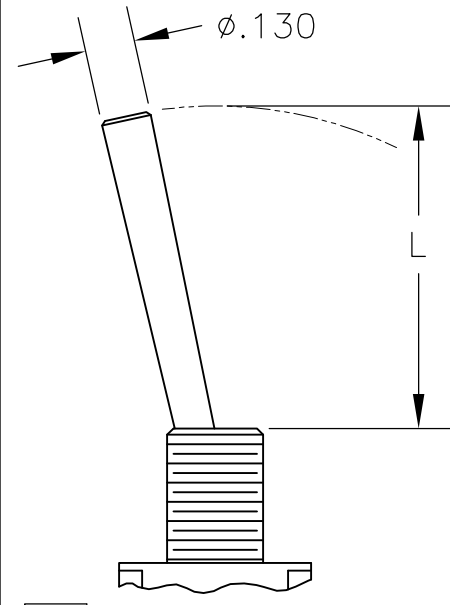
K

NO BUSHING OPTION NEEDED



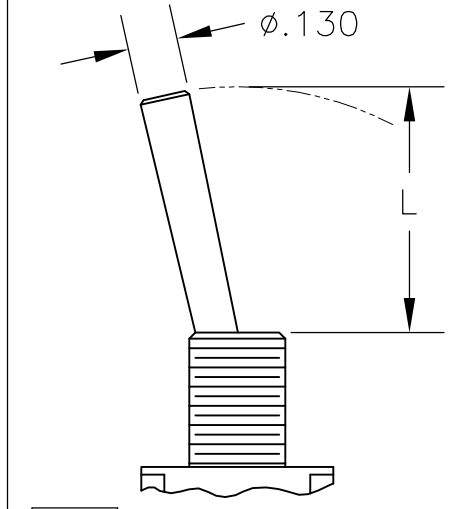
K1

NO BUSHING OPTION NEEDED



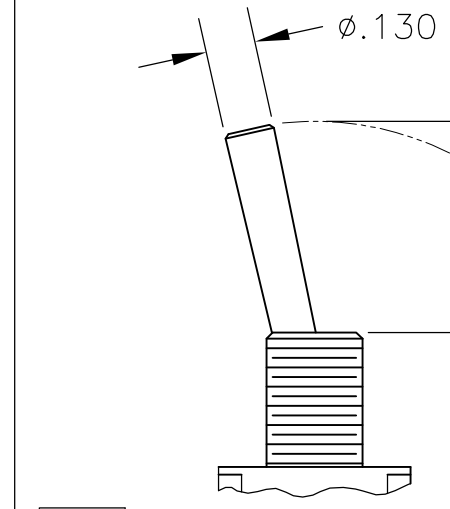
L

LEVER



L1

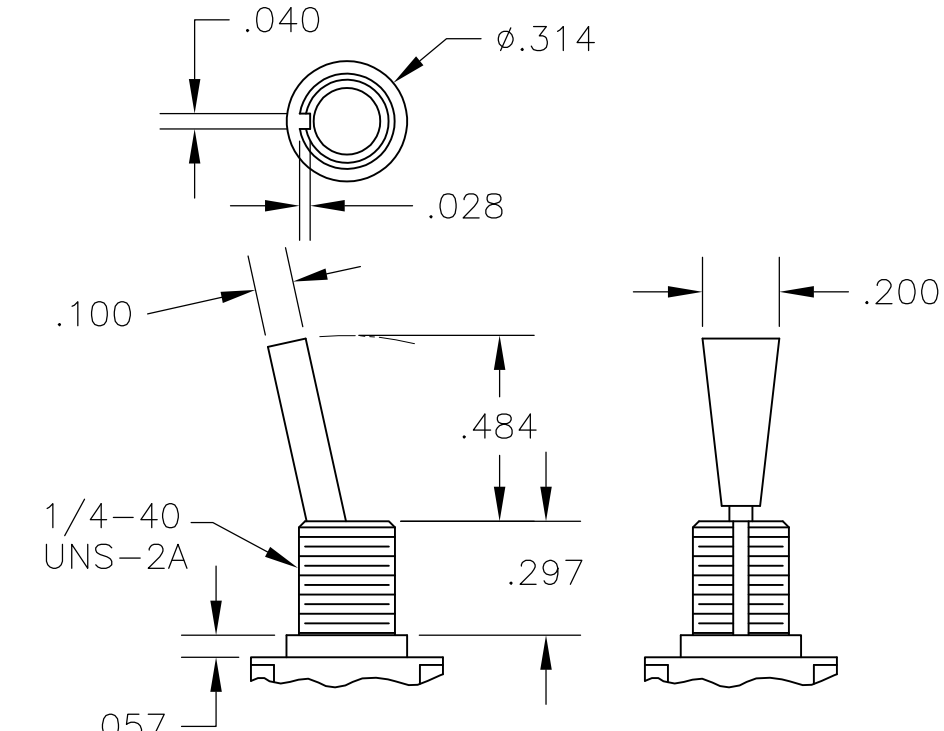
LEVER



L2

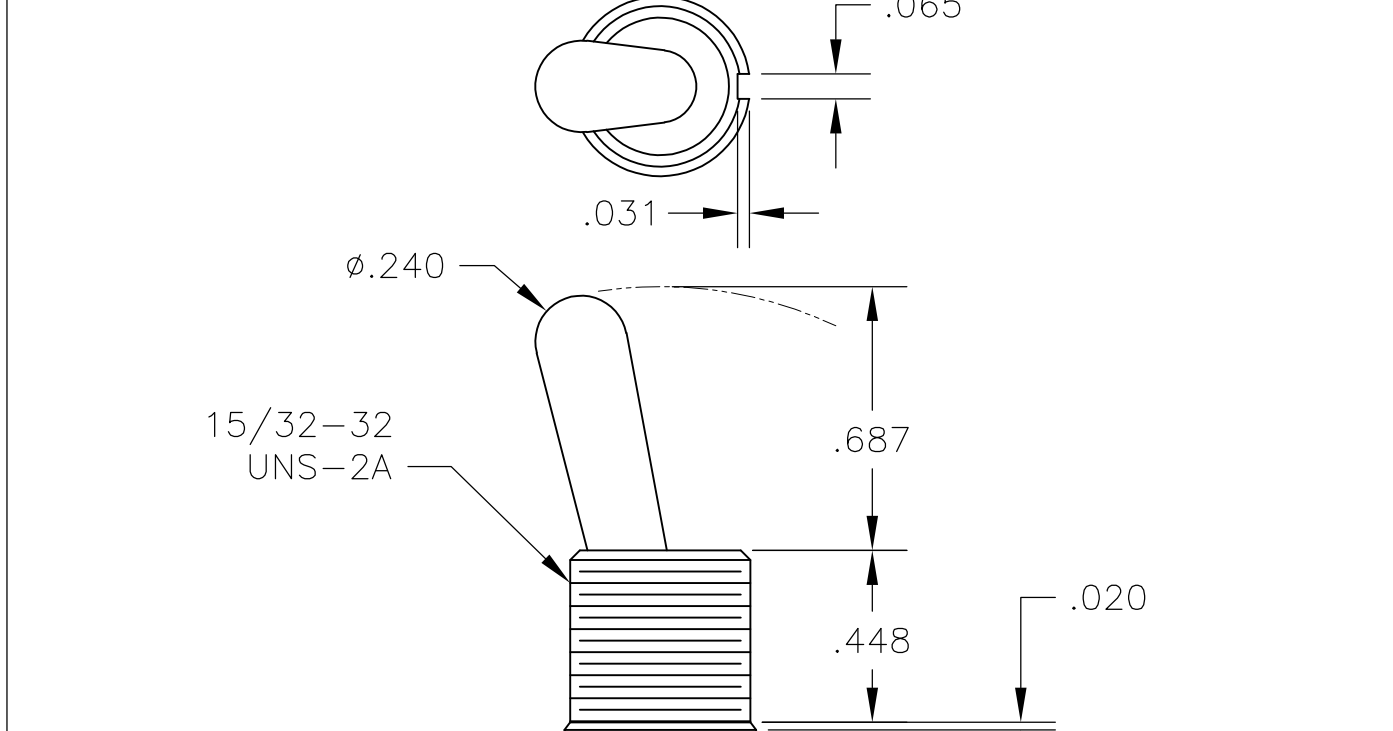
LEVER

DIM L	BUSHING TYPE	DIM L	BUSHING TYPE	DIM L	BUSHING TYPE
.840	Y, H	.640	Y, H	.550	Y, H
.910	D, D9	.710	D, D9	.620	D, D9



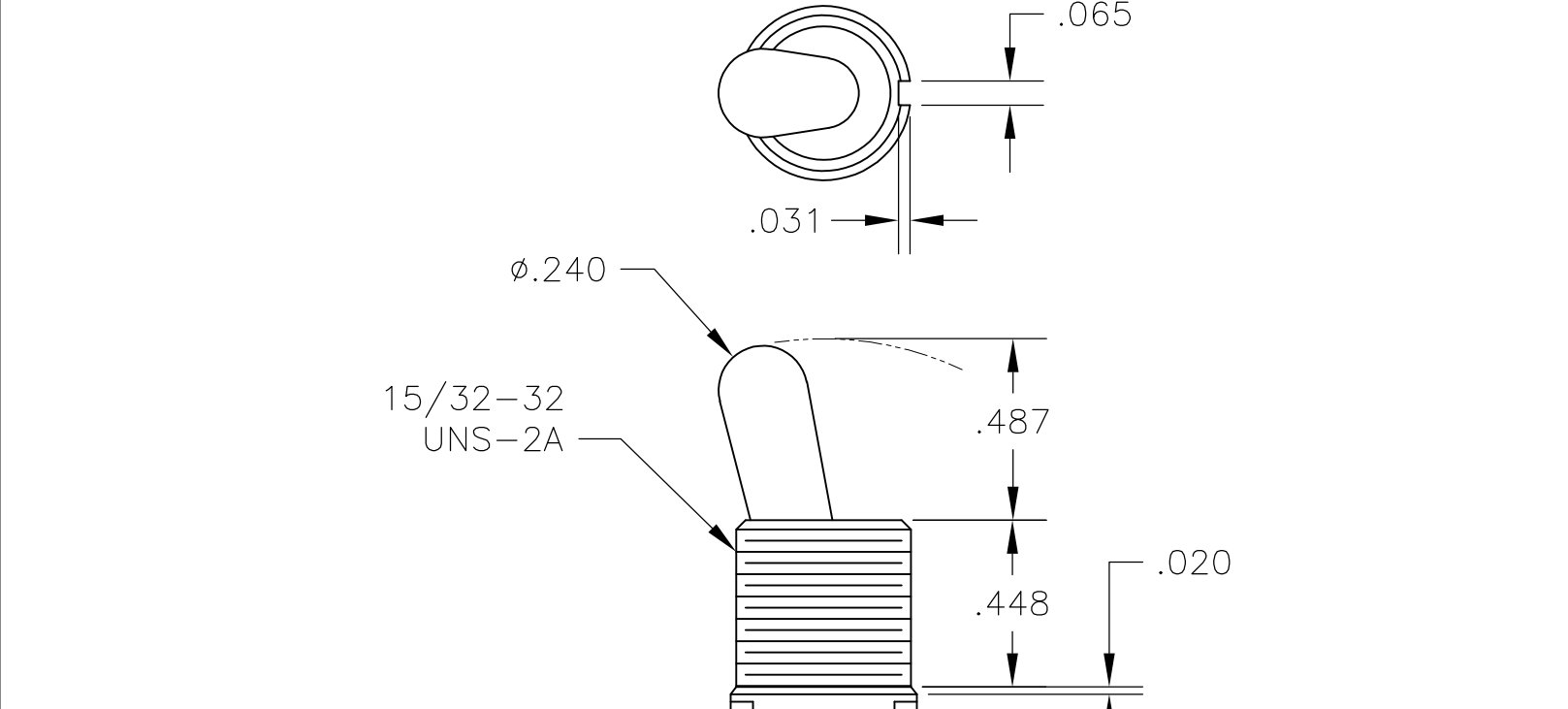
P3

NO BUSHING OPTION NEEDED



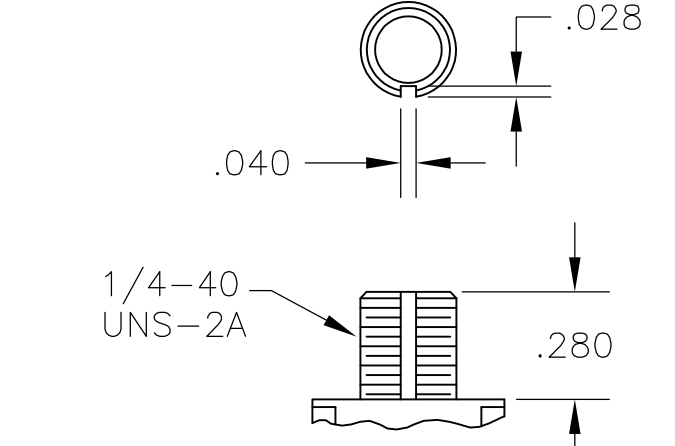
T

NO BUSHING OPTION NEEDED



T1

NO BUSHING OPTION NEEDED

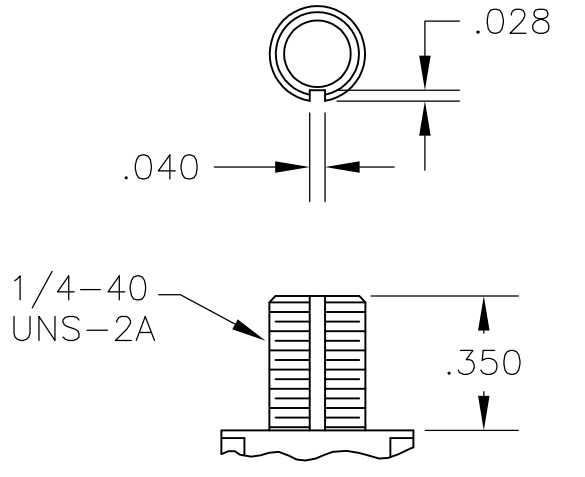


D

THREADED

D9

UNTHREADED

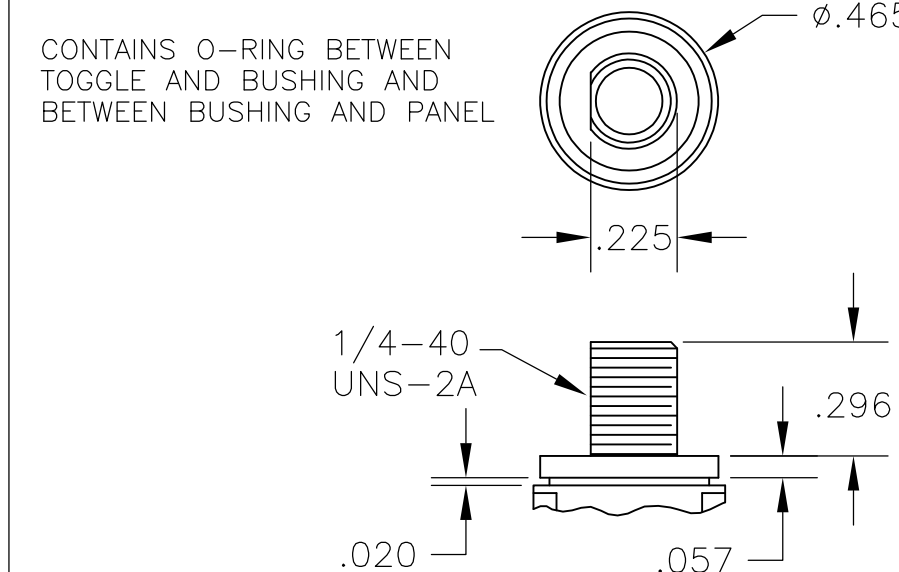


Y

THREADED

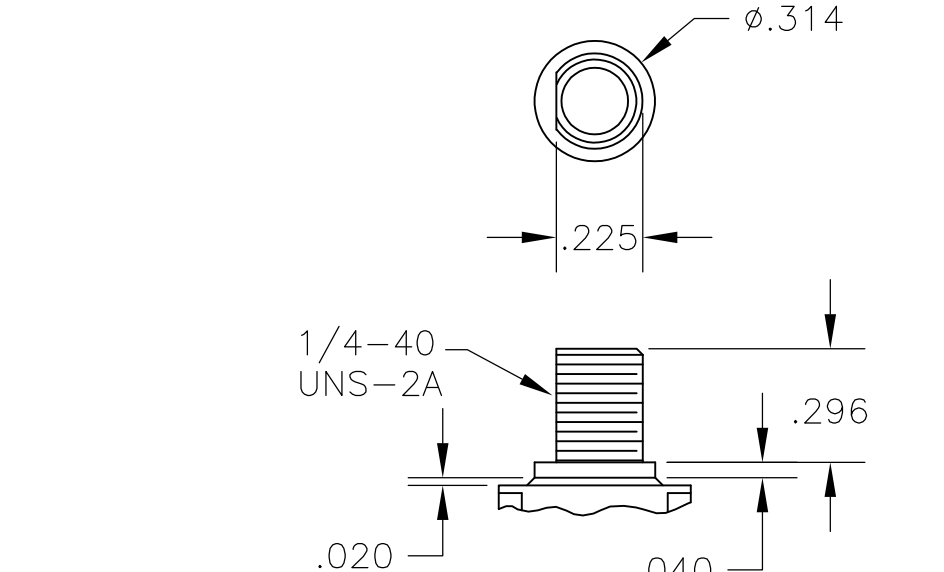
Y9

UNTHREADED



CW

THREADED SPLASHPROOF



H

HIGH TORQUE

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DWN M. ZITTO 14APR05

CHK M. ZITTO

APVD M. ZITTO

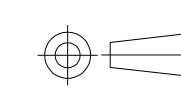
PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

DIMENSIONS: INCHES



MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .010

4 PLC ± -

ANGLES ± 2°

FINISH

NAME

GEMINI A SERIES TOGGLE SWITCH,DOUBLE POLE, 3 POSITION FUNCTIONS (03, 05, 07, 11, 13 & 15)

SIZE

A2

CAGE CODE

00779

DRAWING NO

C=1825139

RESTRICTED TO

SCALE

2:1

SHEET

2 of 4

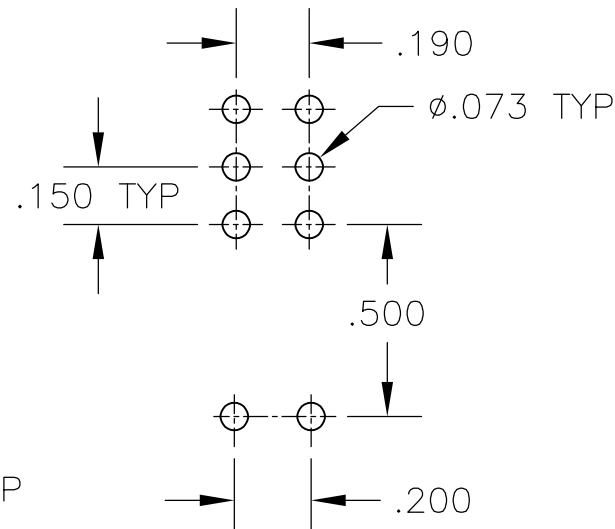
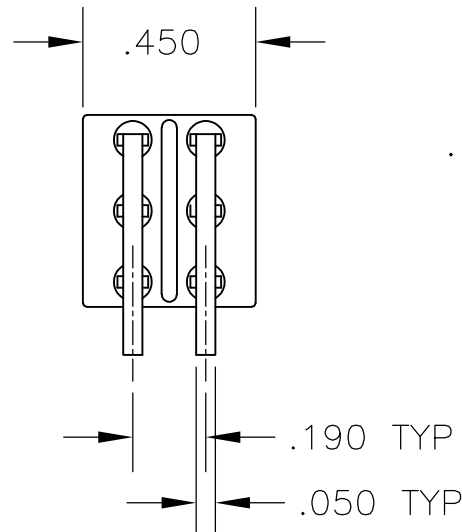
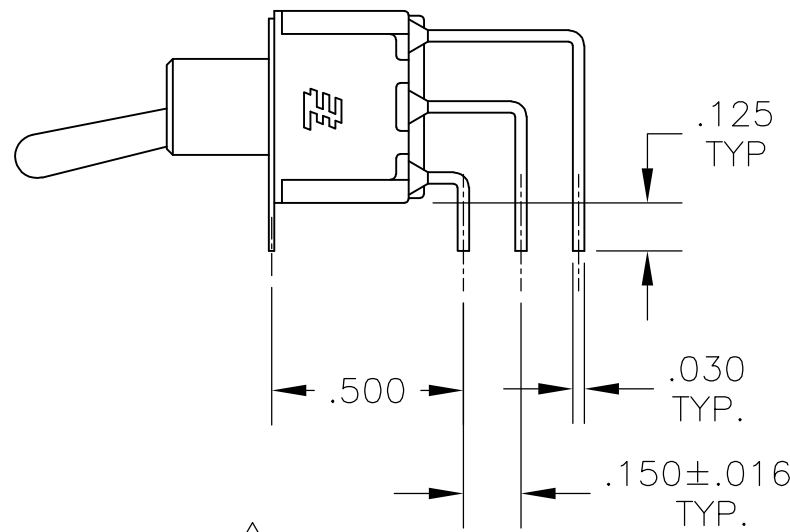
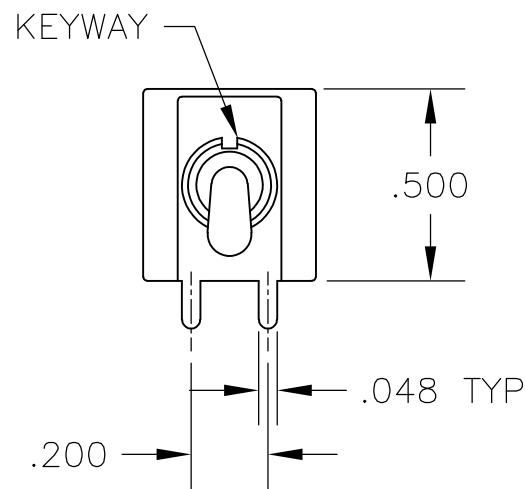
REV

A5

1471-9 (1/15)

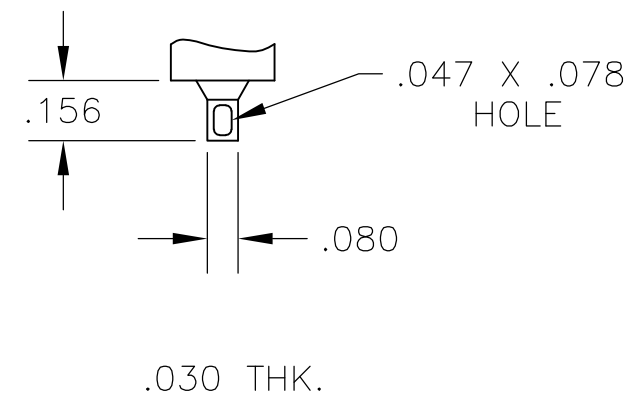
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

D



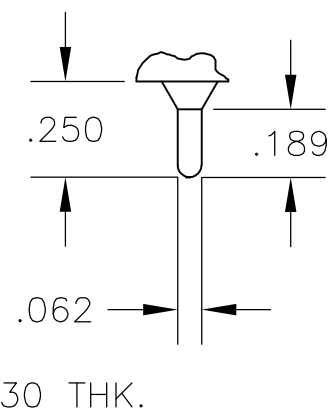
RECOMMENDED
PCB LAYOUT

AV2 VERTICAL RIGHT ANGLE 6



.030 THK.

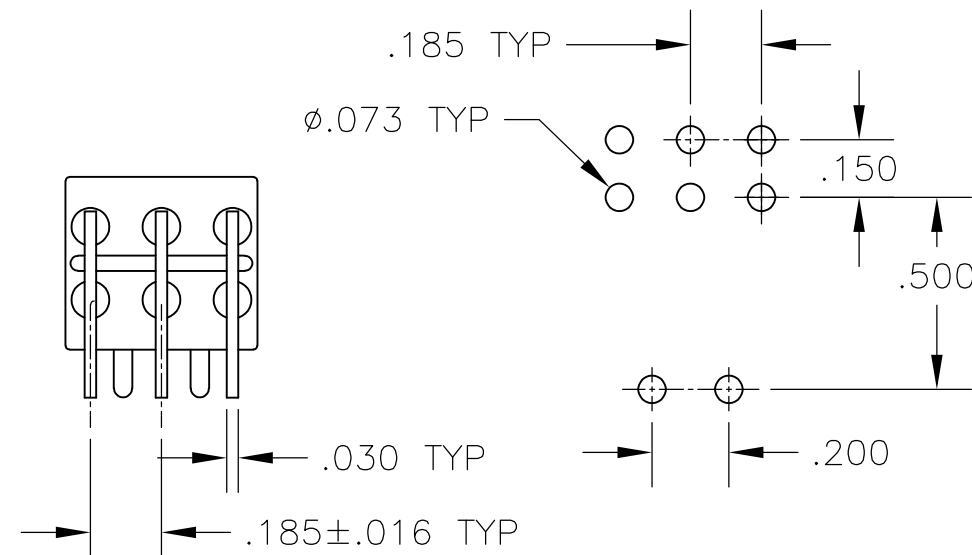
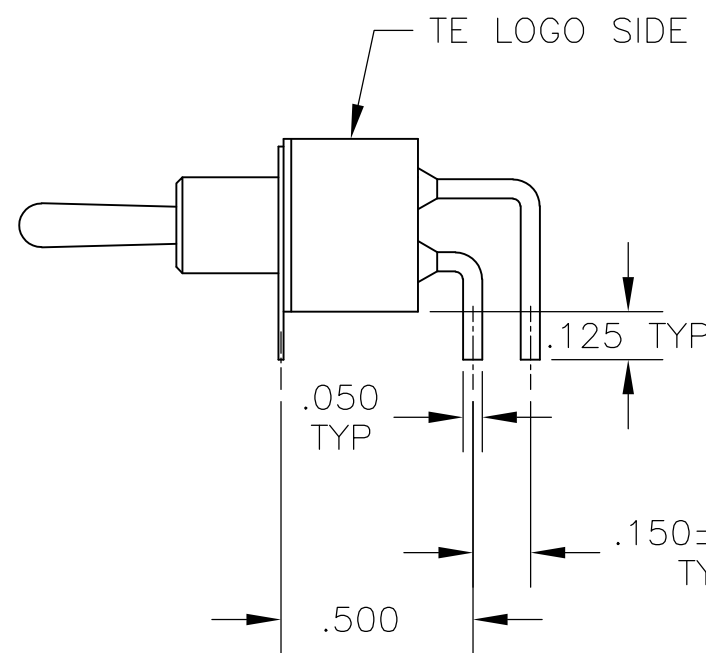
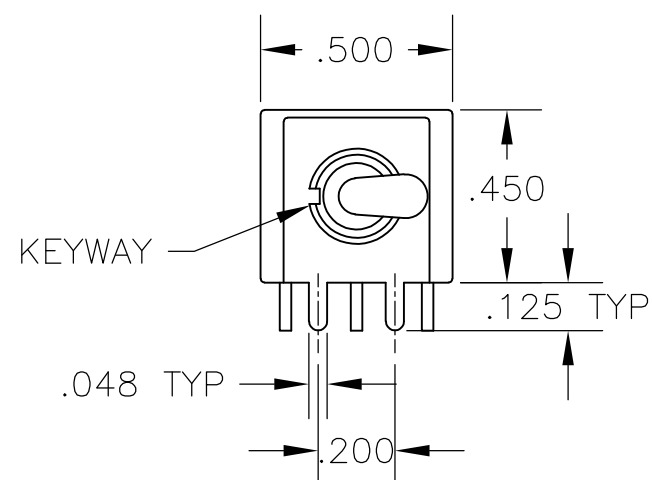
Z WIRE LUG



.030 THK.

Z3 QUICK CONNECT

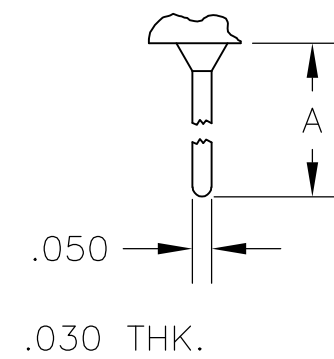
C



RECOMMENDED
PCB LAYOUT

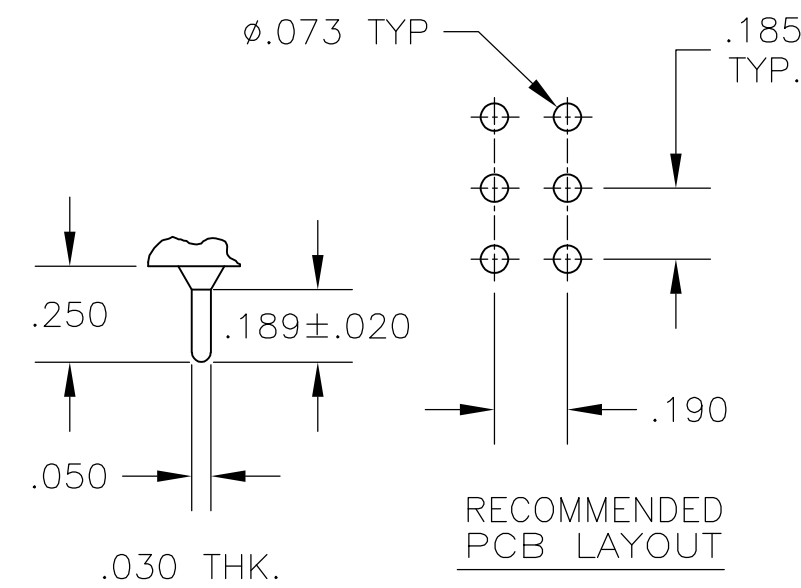
A RIGHT ANGLE 6

OPTION	DIM A
W	.736
W4	1.062



.030 THK.

W W4 WIRE WRAP

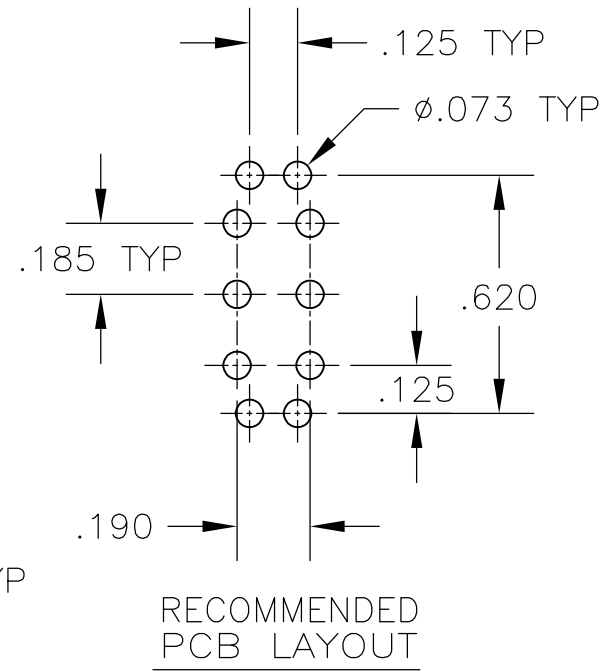
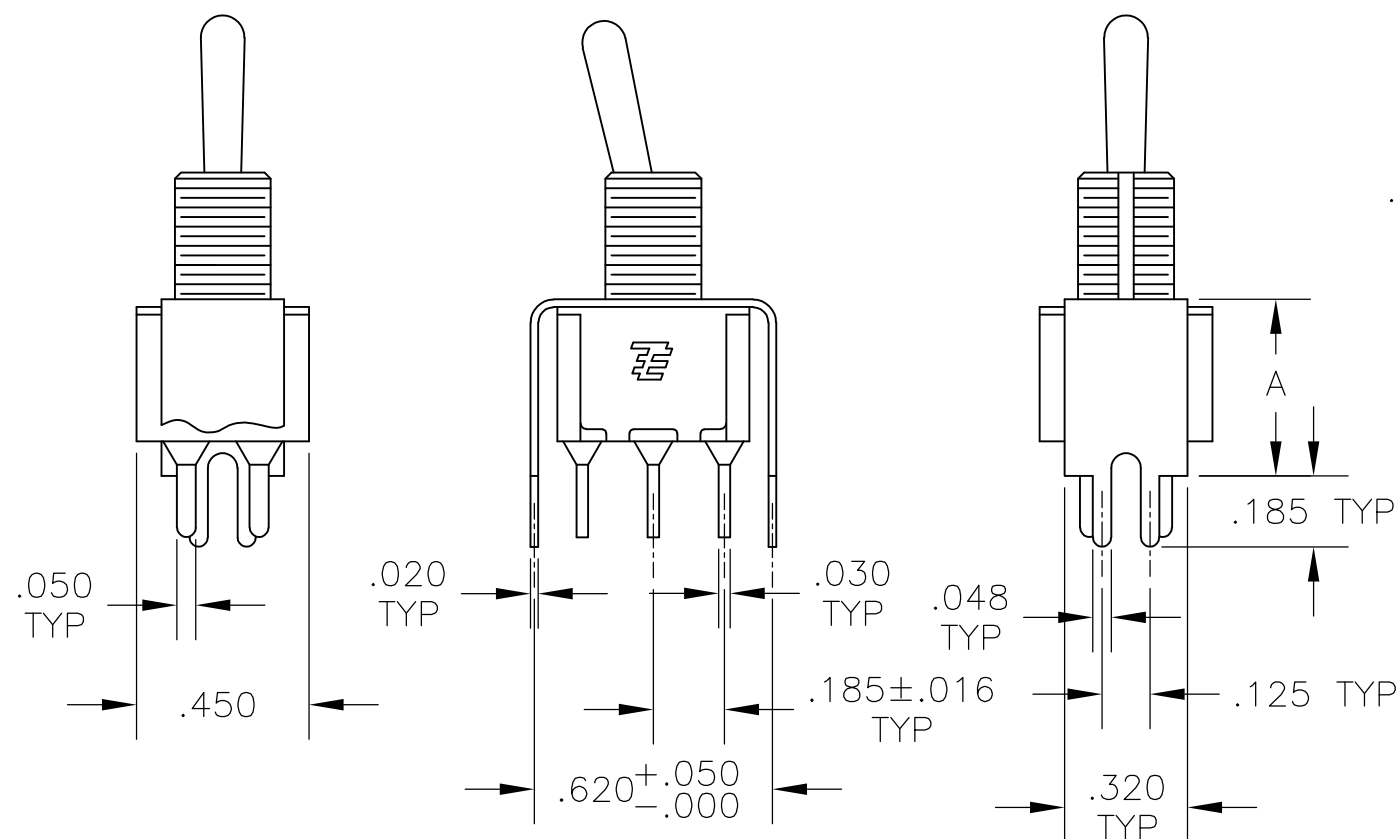


.030 THK.

RECOMMENDED
PCB LAYOUT

C PRINTED CIRCUIT

B



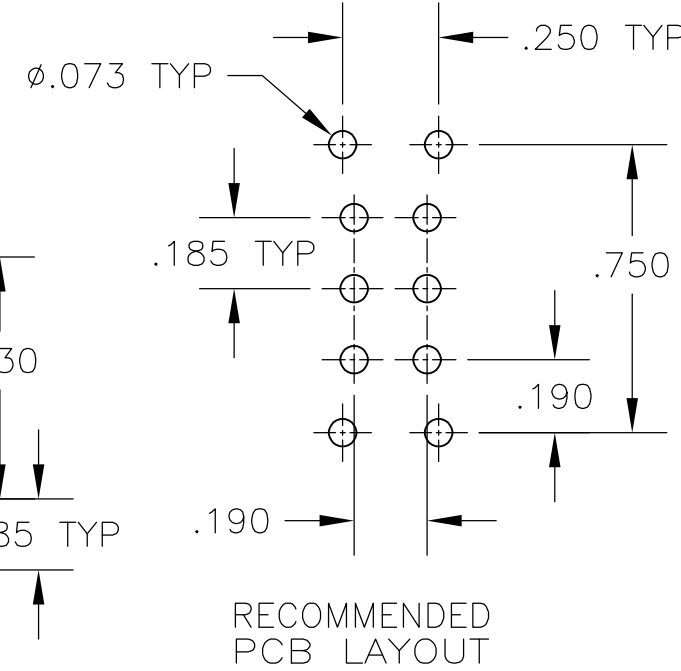
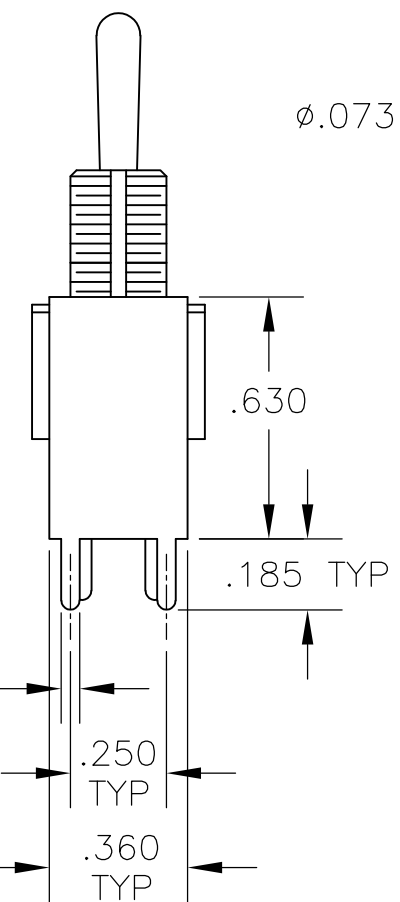
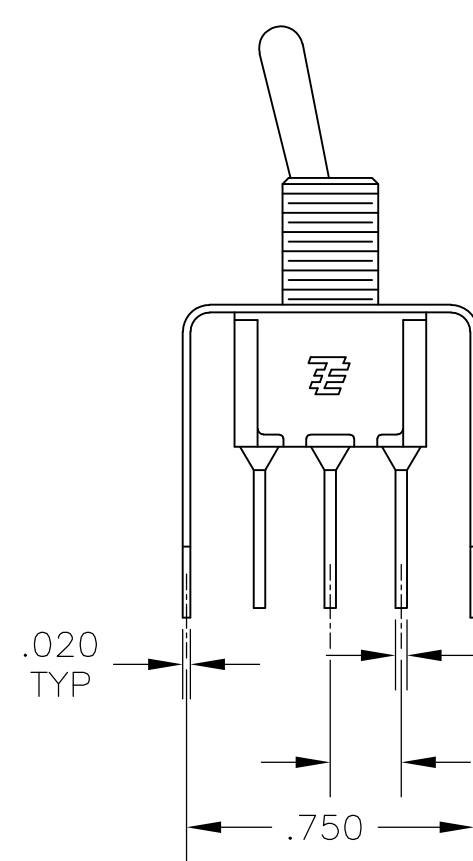
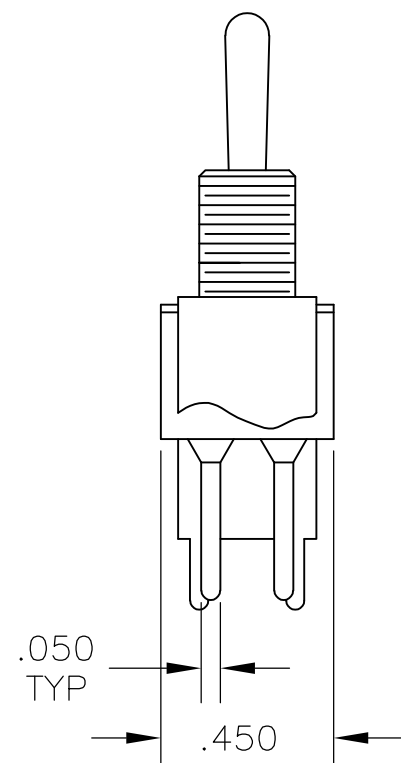
RECOMMENDED
PCB LAYOUT

OPTION	DIM A
V30	.460
V40	.630

V30 V40 6
VERTICAL SUPPORT BRACKET

V70

VERTICAL SUPPORT BRACKET



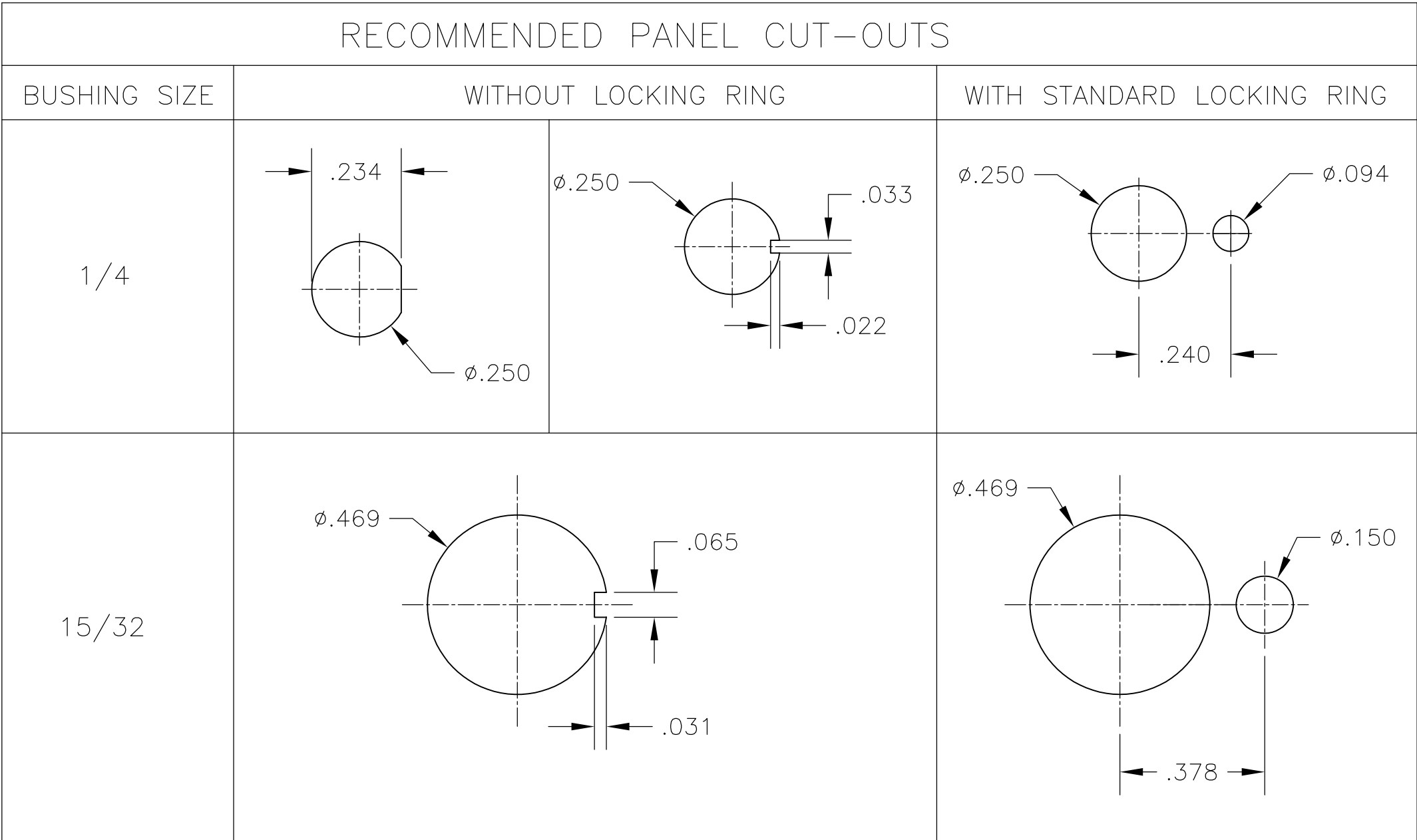
RECOMMENDED
PCB LAYOUT

A

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO	14APR05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. ZITTO	-		
		APVD M. ZITTO	-	NAME GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 3 POSITION FUNCTIONS (03, 05, 07, 11, 13 & 15)	
		PRODUCT SPEC	-	-	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	-	SIZE A2	CAGE CODE 00779
MATERIAL -		WEIGHT -	-	DRAWING NO C=1825139	RESTRICTED TO -
FINISH -		CUSTOMER DRAWING	SCALE 2:1	SHEET 3 of 4	REV A5

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

Alco P/N	P/N
A203KZQ04	1825139-1
A203MD9AB04	1825139-2
A203P3AV2Q04	1825139-3
A203P3ZQ04	1825139-4
A203SD9AV2B04	1825139-5
A203SD9AV2Q04	1825139-6
A203SDZQ04	1825139-7
A203SYCB04	1825139-8
A203SYCQ04	1825139-9
A203SYZQ04	1-1825139-0
A203T1ZQ04	1-1825139-1
A203TZQ04	1-1825139-2
A205KZB04	1-1825139-3
A205P3ZQ04	1-1825139-4
A205SD9AB04	1-1825139-5
A205SYCB04	1-1825139-6
A205SYCQ04	1-1825139-7
A205SYZQ04	1-1825139-8
A205T1ZQ04	1-1825139-9
A205TZQ04	2-1825139-0
A207P3ZQ04	2-1825139-1
A207SYCB04	2-1825139-2
A207SYCQ04	2-1825139-3
A207SYZQ04	2-1825139-4
A207T1ZQ04	2-1825139-5
A207TZQ04	2-1825139-6
A211KZB04	2-1825139-7
A211MD9AQ04	2-1825139-8
A211MYCQ04	2-1825139-9
A211P3CQ04	3-1825139-0
A211P3V40G04	3-1825139-1
A211P3ZQ04	3-1825139-2
A211SCWCQ004	3-1825139-3
A211SDZQ04	3-1825139-4
A211SHZQ04	3-1825139-5
A211SY9AQ04	3-1825139-6
A211SYCQ04	3-1825139-7
A211SYZB04	3-1825139-8
A211SYZQ04	3-1825139-9
A211T1ZQ04	4-1825139-0
not assigned	4-1825139-1
A213SYZQ04	4-1825139-2
A215SD9V30B04	4-1825139-3
A215SY9AQ04	4-1825139-4
A215SYZQ04	4-1825139-5
A203LYCQ04	4-1825139-6
A203LD9CQ04	4-1825139-7
A203LDCQ04	4-1825139-8



MATERIALS CHART		
COMPONENT NAME	BASE MATERIAL	FINISH
CASE	DAP, RED, UL94 V-0	
FRAME	STAINLESS STEEL	
B TERMINALS & CONTACTS	COPPER	GOLD OVER NICKEL
G TERMINALS & CONTACTS	COPPER	GOLD OVER SILVER
Q TERMINALS & CONTACTS	COPPER	.000400 SILVER
ACTUATOR	PHENOLIC, BLACK, UL94 V-1	
LEVER	BRASS	CHROME
BUSHING	BRASS	NICKEL
SPRING	MUSIC WIRE	
SUPPORT BRACKET	BRASS	TIN
PIVOT PIN	STEEL	NICKEL
LOCK WASHER	STAINLESS STEEL	
LOCKING RING	STAINLESS STEEL	
NUTS	C3604BD BRASS	NICKEL
TERMINAL SEAL	EPOXY	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .010

4 PLC ± -

ANGLES ± 2°

FINISH -

DWN
M. ZITTO

CHK
M. ZITTO

APVD
M. ZITTO

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

14APR05

-

-

-

-

-

SCALE
3:1

TE Connectivity

NAME
GEMINI A SERIES TOGGLE SWITCH,DOUBLE POLE,
3 POSITION FUNCTIONS (03, 05, 07, 11, 13 & 15)

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1825139

RESTRICTED TO
-

SHEET
4 of 4

REV
A5

Mouser Electronics

Authorized Distributor

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