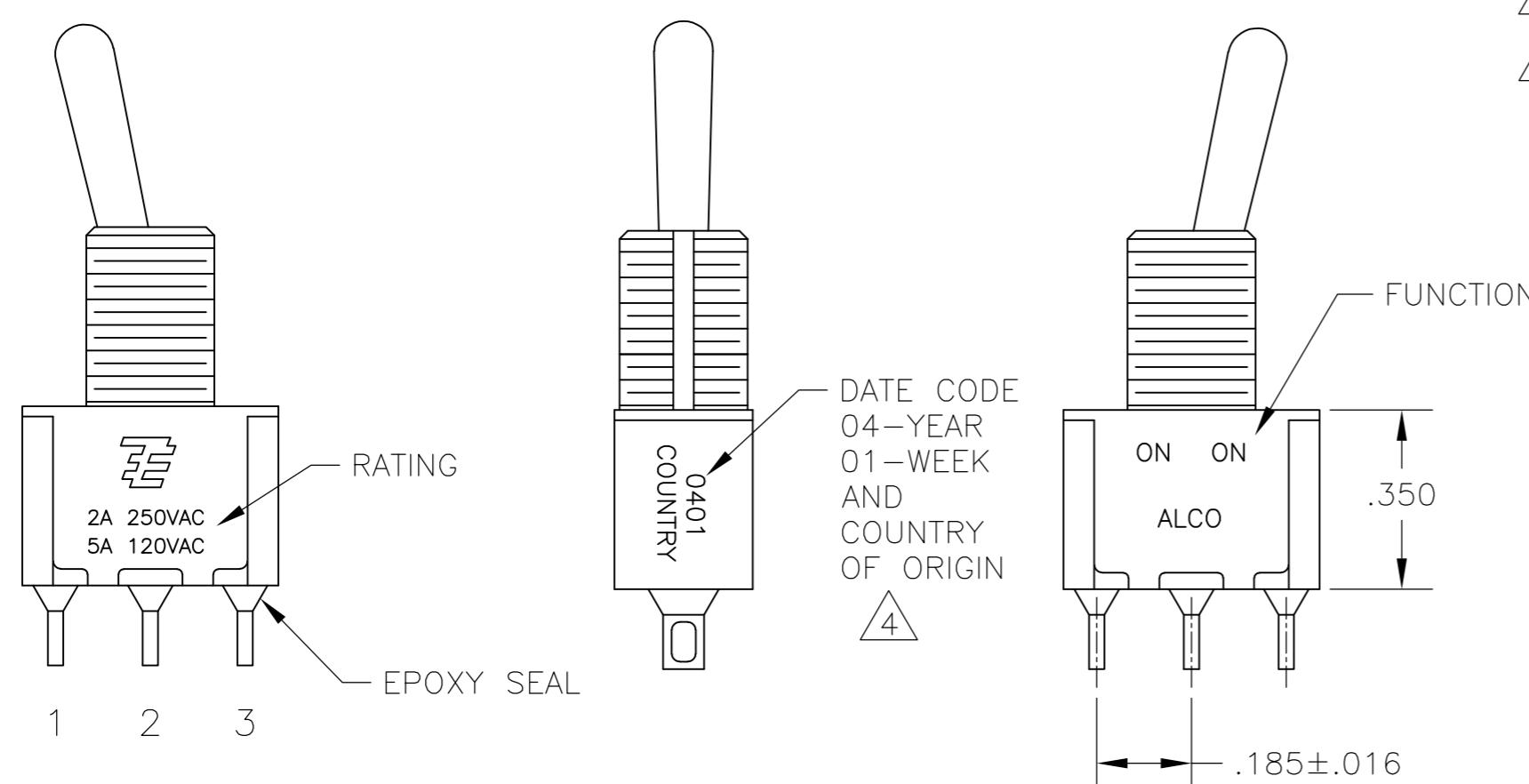
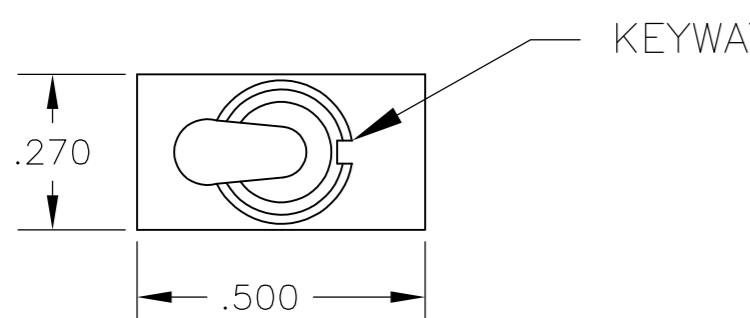


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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A7	REVISED PER ECR-16-004460	30MAR2016	RS	RH



- 1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).
- 2 EACH SWITCH WITH THREADED BUSHINGS SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:  
(2) HEX NUTS  
(1) INTERNAL TOOTH LOCKWASHER  
(1) LOCATING RING.
- 3 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 FRAME IS 2A 250VAC, 5A 120VAC.
- 4 DATE CODE AND COUNTRY OF ORIGIN MAY APPEAR ON EITHER SIDE OF SWITCH.
- 5 LENGTH OF TOGGLE REDUCED BY .020 WITH A, AV2, V30 OR V40 VERTICAL SUPPORT BRACKET OPTIONS.
- 6 ALL LOGO, RATING, DATE CODE, AND FUNCTION MARKINGS TO BE LASER MARKED.

FUNCTION CHART						
FUNCTION	1	2	3	1	2	3
01	ON			ON		
03	ON			OFF		
08	ON			NONE		(ON)
TERMINALS CONNECTED	2-3			---		1-2

None: No mechanical position  
Off: Mechanical position with no electrical connection  
(On): Momentary action

1825136

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 TEMPERATURE	-30C TO 85C

PART NUMBER SEQUENCE CHART						
MODEL	FUNCTION	TOGGLE	BUSHING	TERMINAL	CONTACT	RoHS
A1	01	K	CW	A	B	04
	08	K1	D	AV2	G	
		L	D9	C	Q	
		L1	H	V30		
		L2	Y	V40		
		M	Y9	W		
		P3		W4		
		S		Z		
		T		Z3		
		T1				

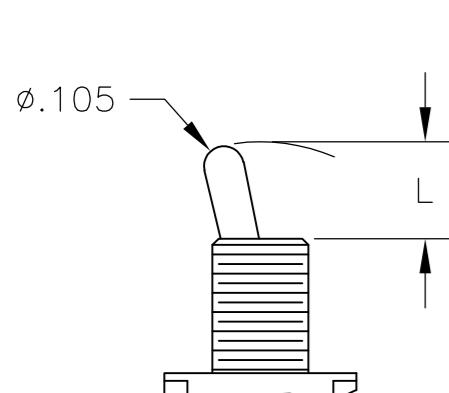
EXAMPLE: A101SYCQ04

THIS DRAWING IS A CONTROLLED DOCUMENT.	DRAWN B.S.VISWESWARA 14APR05
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .010 4 PLC ± - ANGLES ± 2°
	APPLICATION SPEC —
MATERIAL —	WEIGHT 0
FINISH —	CUSTOMER DRAWING
	SCALE 3:1 SHEET 1 OF 4 REV A7
	SIZE CAGE CODE DRAWING NO A2 00779 C-1825136
	RESTRICTED TO —
	NAME GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE, 2 POSITION FUNCTIONS (01 & 08)

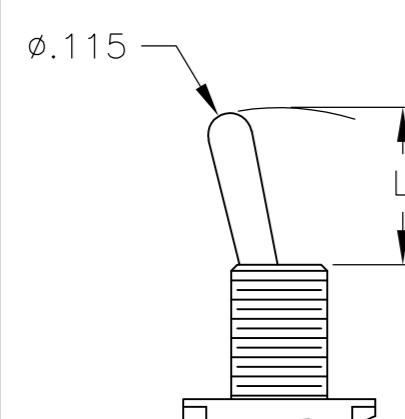
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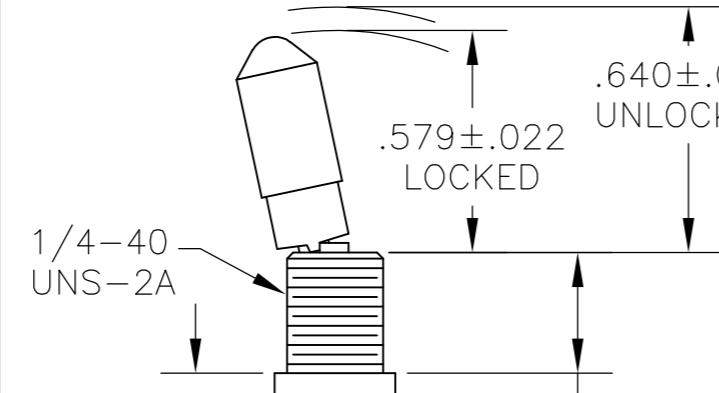
## TOGGLERS



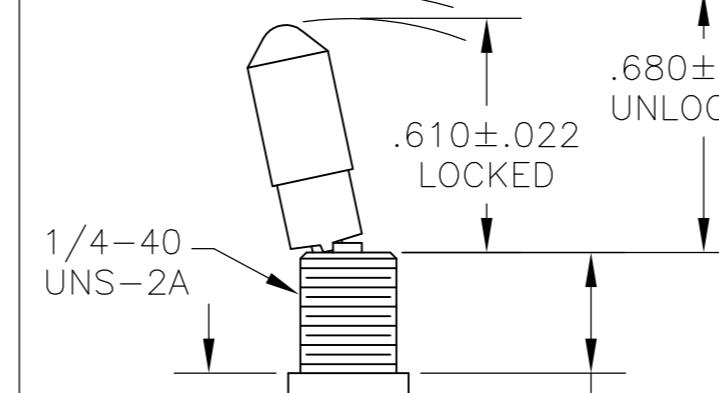
M SHORT



S STANDARD

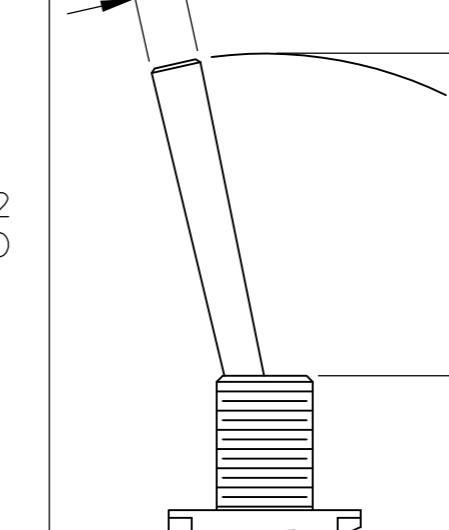


K NO BUSHING OPTION NEEDED

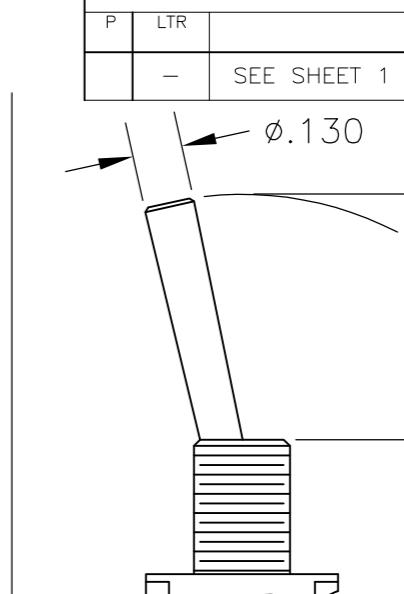


K1 NO BUSHING OPTION NEEDED

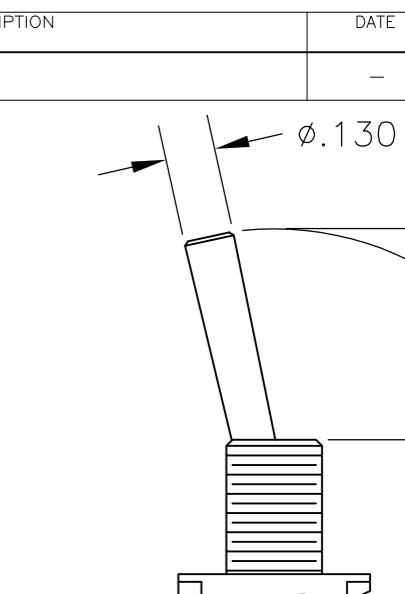
∅.130



L LEVER



L1 LEVER

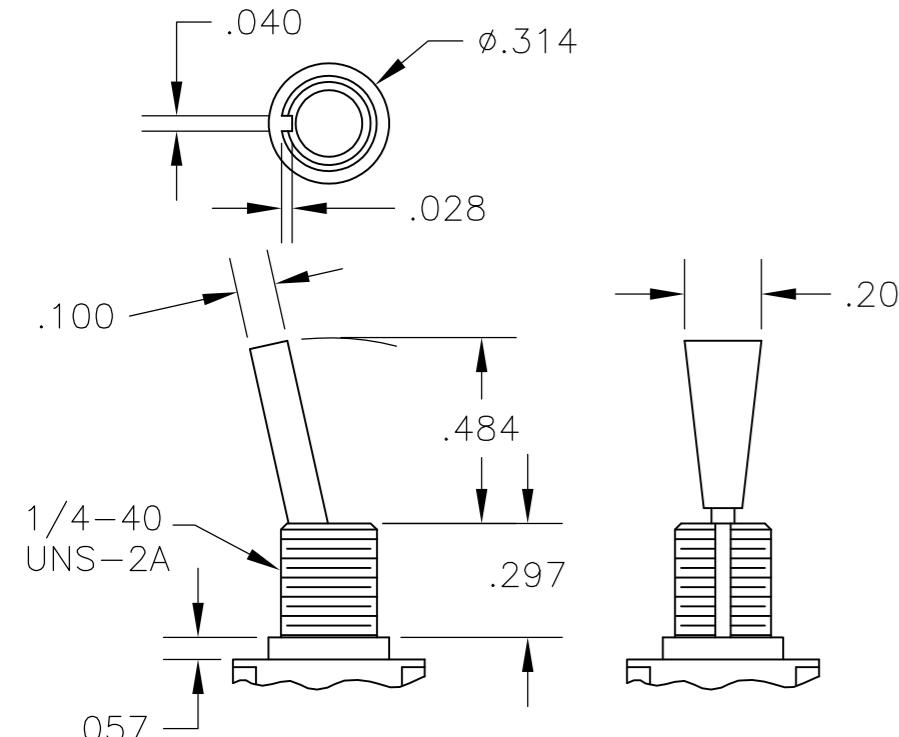


L2 LEVER

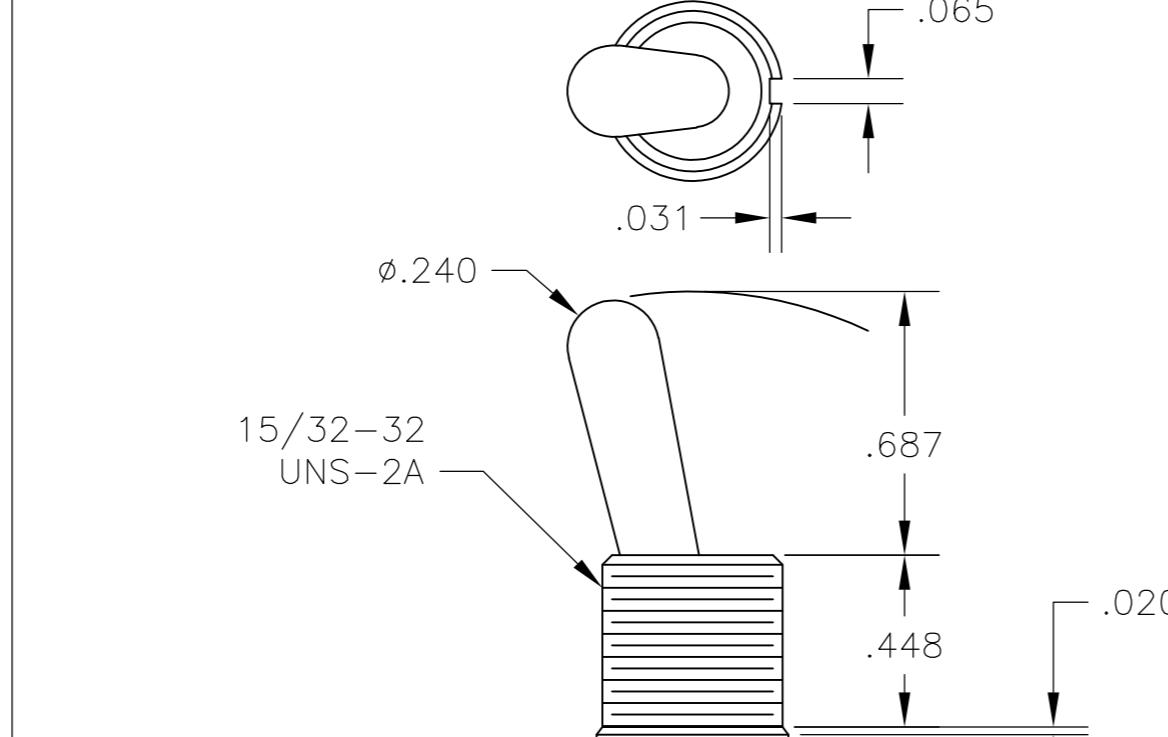
DIM L BUSHING TYPE DIM L BUSHING TYPE

.200 Y, H .410 Y, H

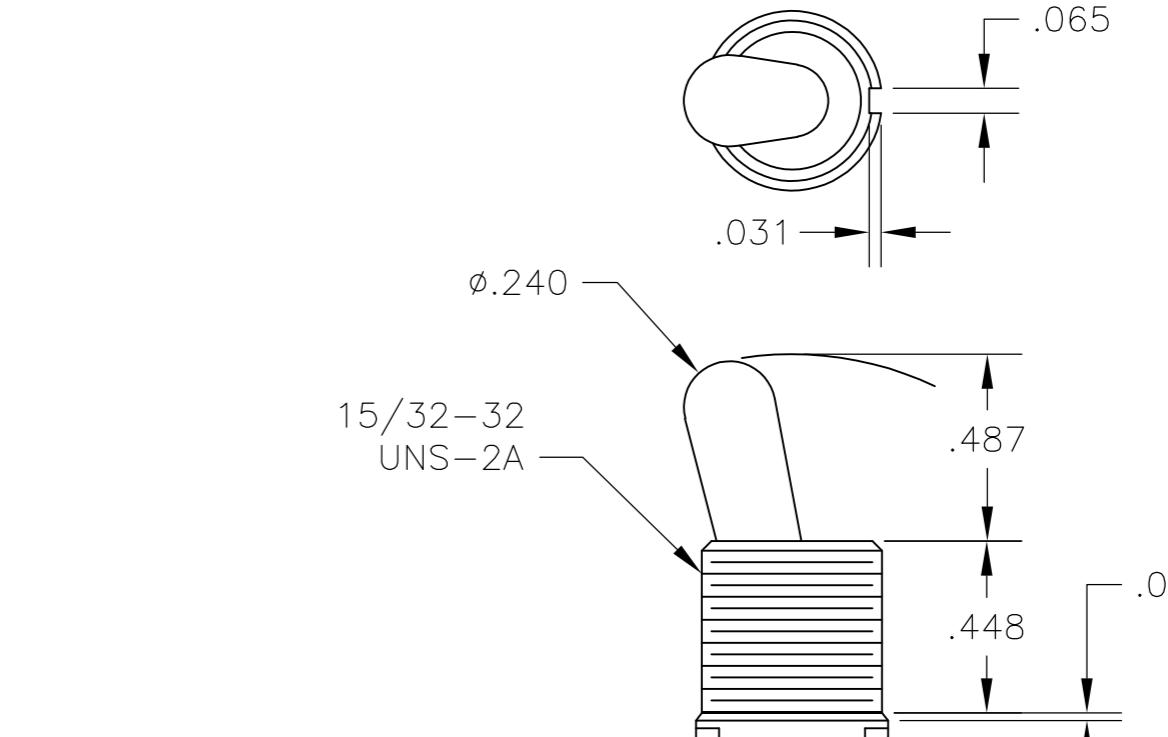
.270 D, D9 .480 D, D9



P3 NO BUSHING OPTION NEEDED

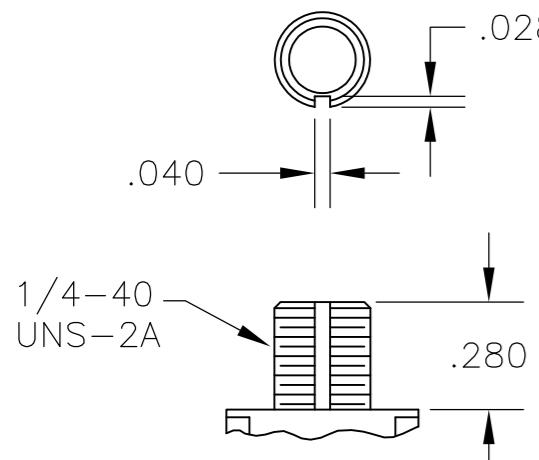


T NO BUSHING OPTION NEEDED



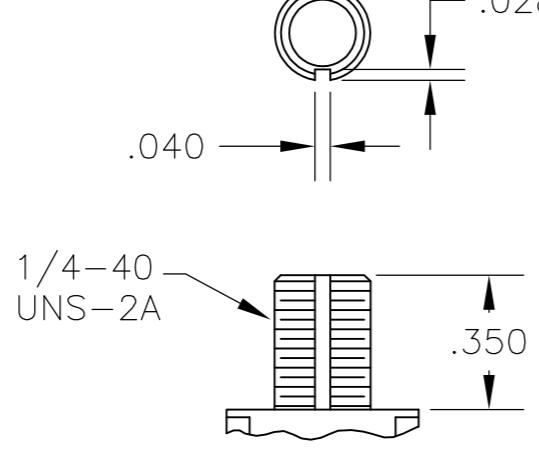
T1 NO BUSHING OPTION NEEDED

## BUSHINGS



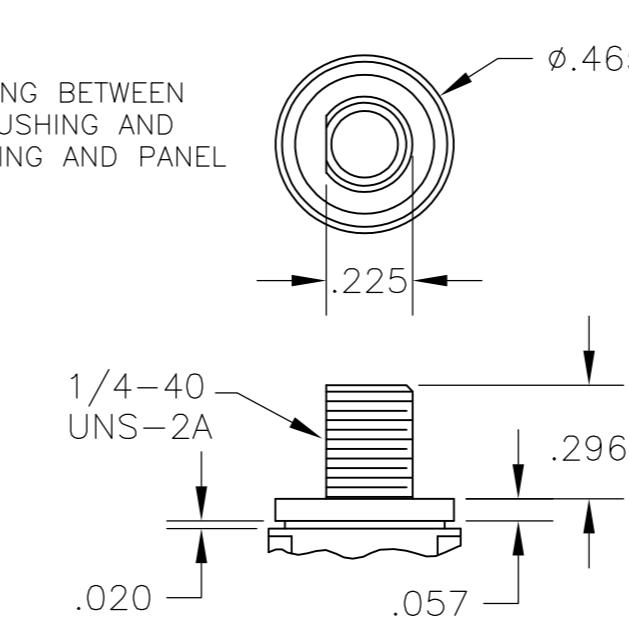
D THREADED

D9 UNTHREADED

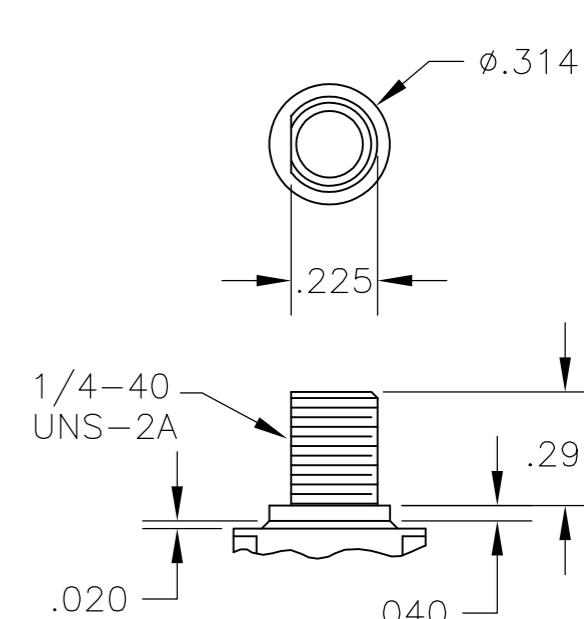


Y THREADED

Y9 UNTHREADED

CONTAINS O-RING BETWEEN  
TOGGLE AND BUSHING AND  
BETWEEN BUSHING AND PANEL

CW THREADED SPLASHPROOF



H HIGH TORQUE

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DIN 14APR05  
B.S.VISWESWARACHK -  
M.ZITTOAPVD -  
P.BROUILLETTE

PRODUCT SPEC -

APPLICATION SPEC -

MATERIAL -

FINISH -

ANGLES -

WEIGHT -

CUSTOMER DRAWING

14APR05  
C-1825136

NAME -

GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE,  
2 POSITION FUNCTIONS (01 & 08)

SIZE A2

CAGE CODE 00779

DRAWING NO

RESTRICTED TO



TE Connectivity

1825136

14APR05

C-1825136

2:1

SCALE

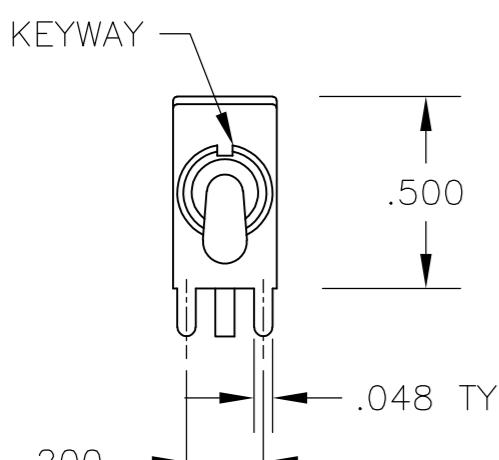
2 OF 4

REV A7

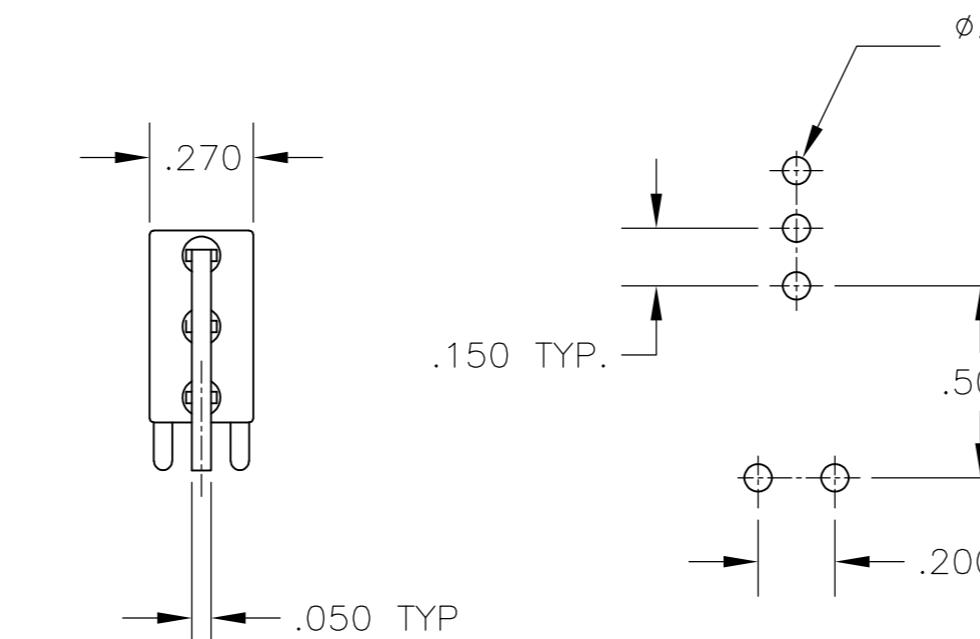
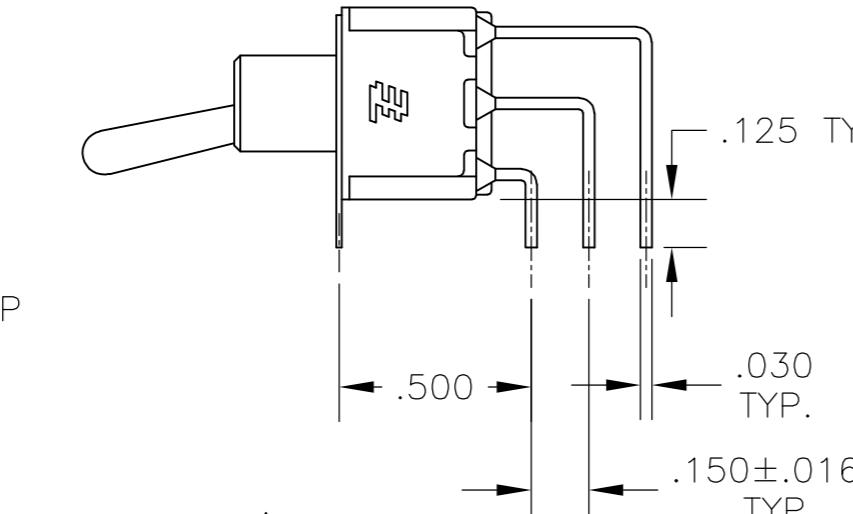
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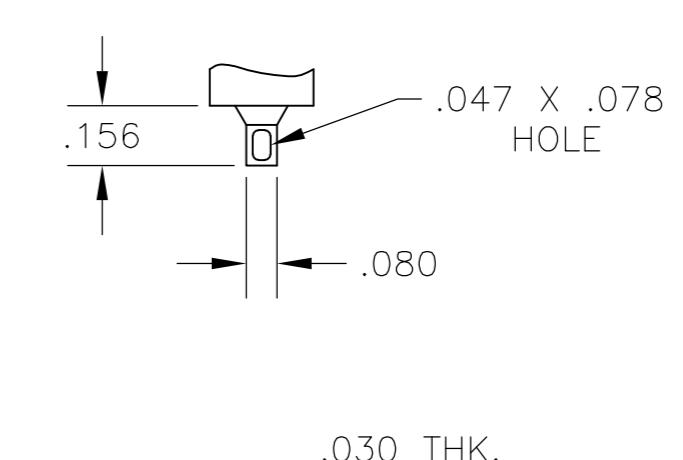
REVISIONS			
P	LTR	DESCRIPTION	DATE
-	-	SEE SHEET 1	-



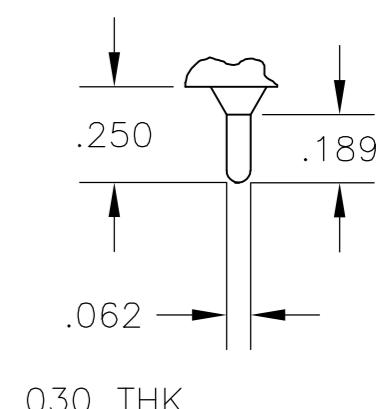
AV2 VERTICAL RIGHT ANGLE 5



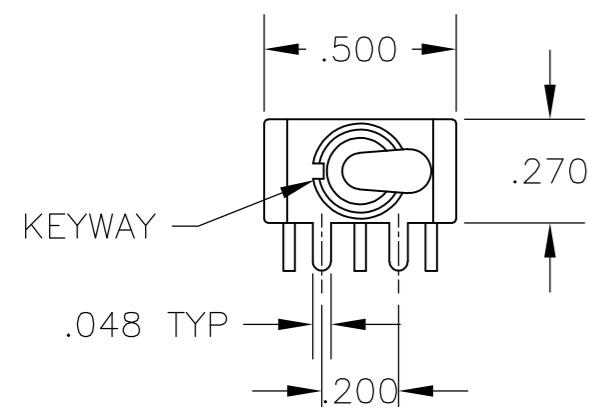
RECOMMENDED PCB LAYOUT



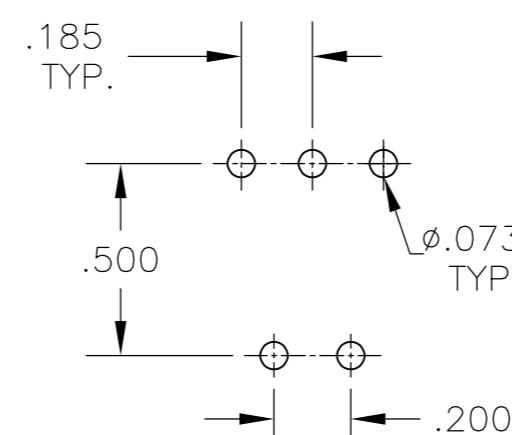
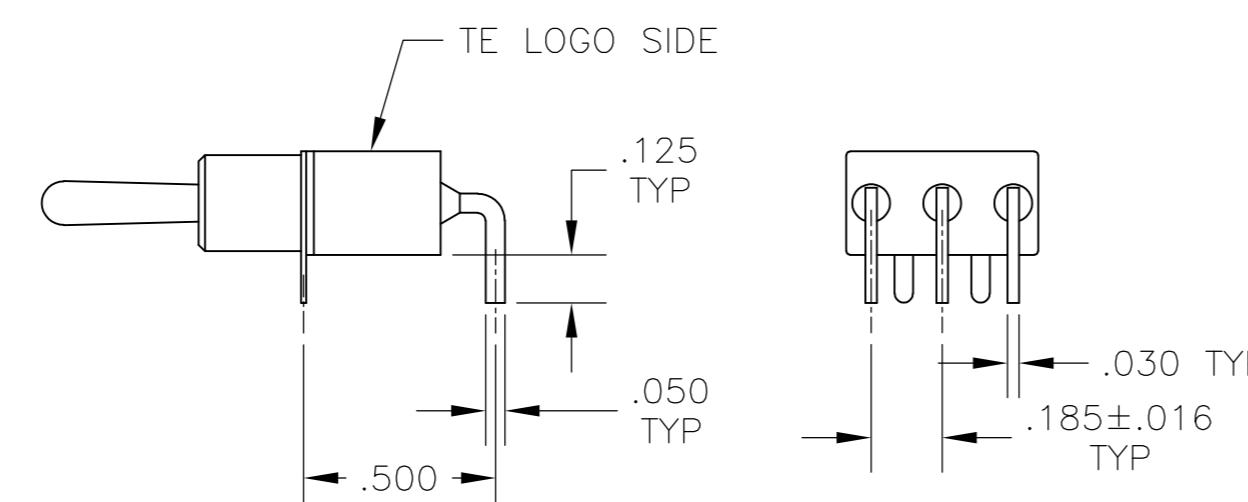
Z WIRE LUG



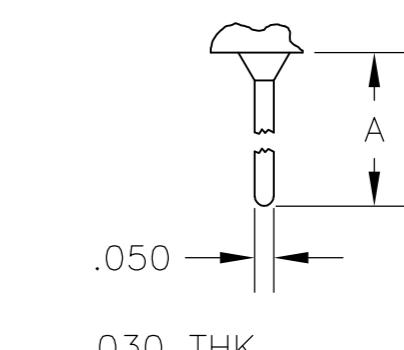
Z3 QUICK CONNECT



A RIGHT ANGLE 5

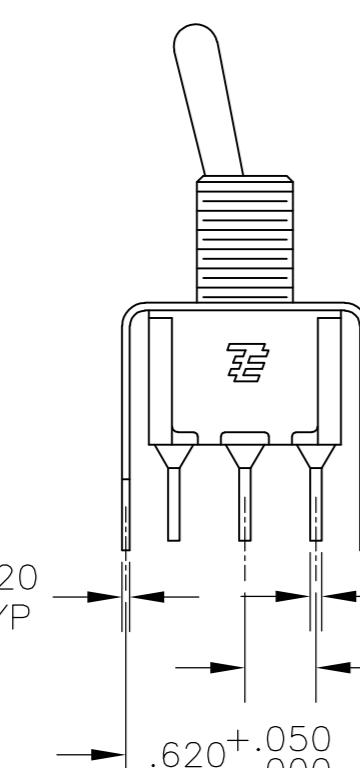
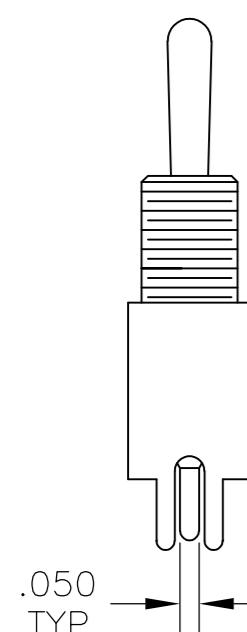


RECOMMENDED PCB LAYOUT

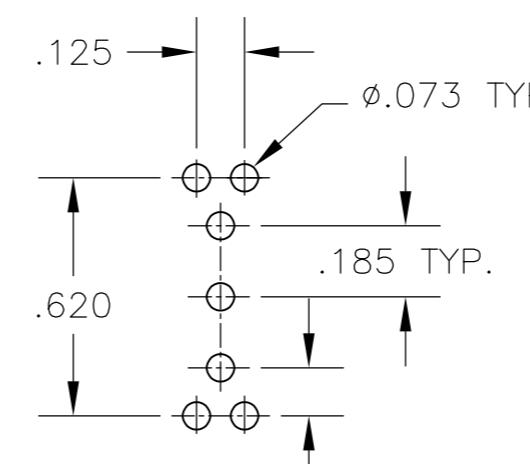
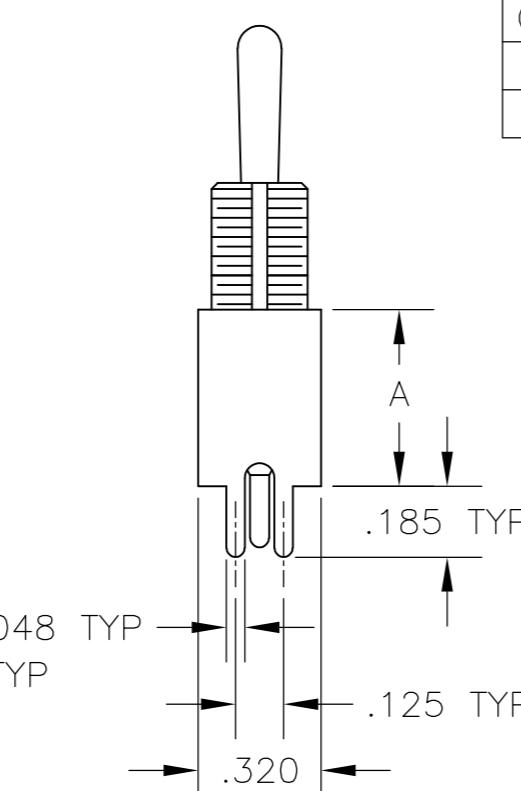


OPTION	DIM A
W	.736
W4	1.062

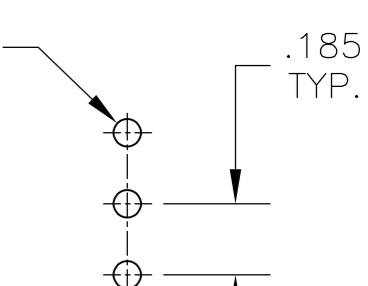
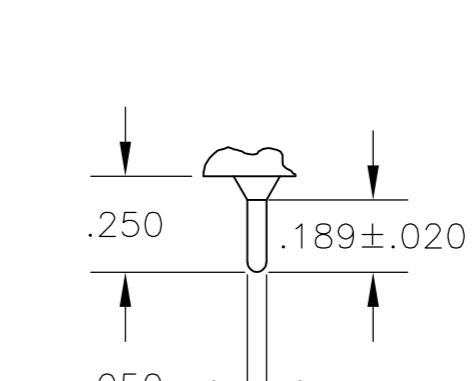
W W4 WIRE WRAP



OPTION	DIM A
V30	.460
V40	.630



RECOMMENDED PCB LAYOUT



RECOMMENDED PCB LAYOUT

V30 V40 5  
VERTICAL SUPPORT BRACKET

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DRAWN B.S.VISWESWARA 14APR05

CHK M.ZITTO -

APVD P.BROUILLETTE -

PRODUCT SPEC -

APPLICATION SPEC -

MATERIAL -

FINISH -

ANGLES ± 2°

TE Connectivity

NAME GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE,

2 POSITION FUNCTIONS (01 & 08)

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A2 00779 C-1825136 -

CUSTOMER DRAWING

SCALE 2:1 SHEET 3 OF 4 REV A7

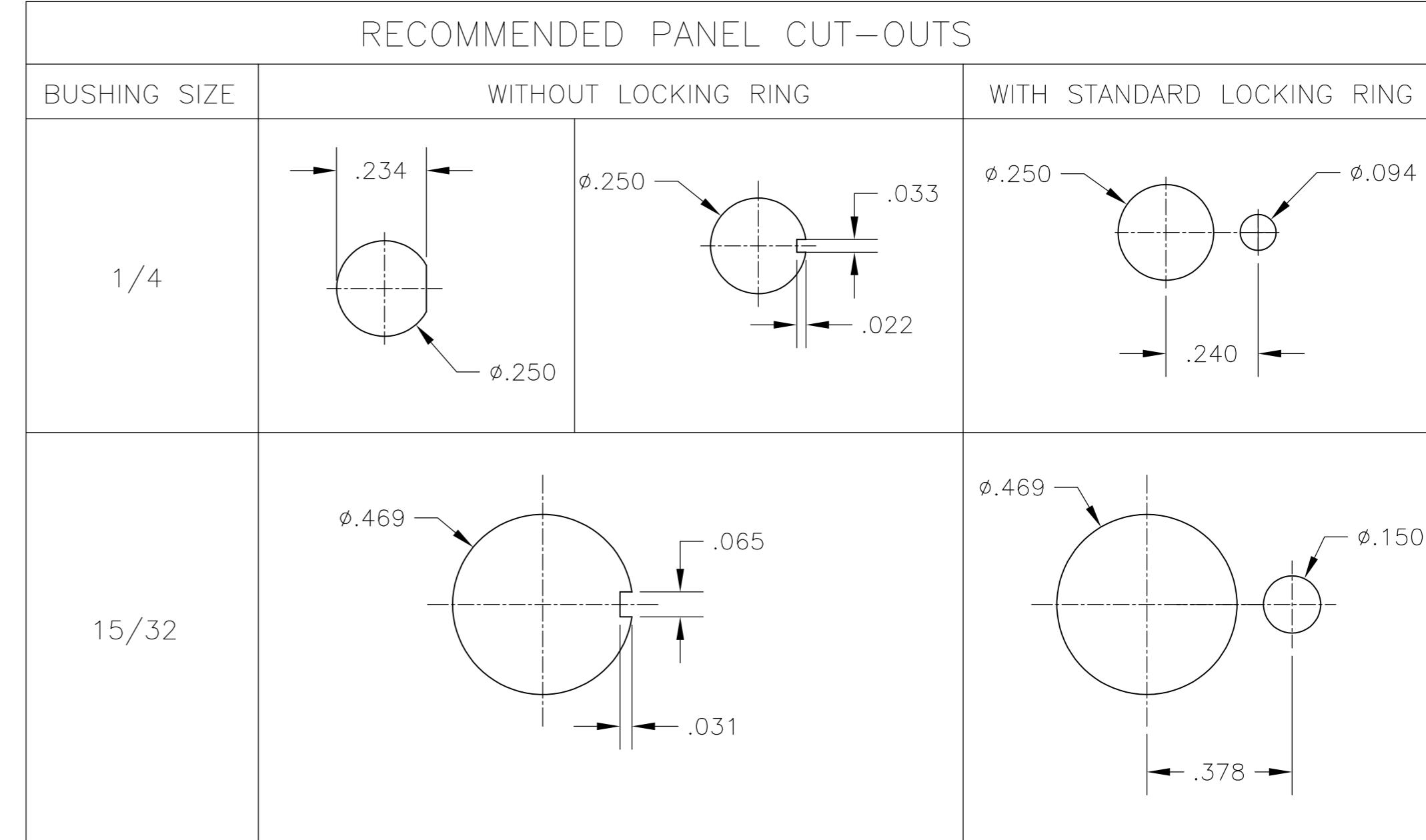
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Alco P/N	P/N
A101K1V30B04	1825136-1
A101KAB04	1825136-2
A101KAQ04	1825136-3
A101P3YV30B04	1825136-4
A101KCQ04	1825136-5
A101KD9AQ04	1825136-6
A101KZQ04	1825136-7
A101SYAV2B04	1825136-8
A101L1D9V30Q04	1825136-9
A101L1YZB04	1-1825136-0
A101LDZQ04	1-1825136-1
A101MD9AB04	1-1825136-2
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A101MD9AQ04	1-1825136-4
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A101MD9AV2G04	1-1825136-6
A101MD9AV2Q04	1-1825136-7
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A101MDAQ04	1-1825136-9
A101MDAV2B04	2-1825136-0
A101MDCG04	2-1825136-1
A101MDZQ04	2-1825136-2
A101MYCQ04	2-1825136-3
A101MYZQ04	2-1825136-4
A103SYAV2B04	2-1825136-5
A101P3CB04	2-1825136-6
A101P3ZQ04	2-1825136-7
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A101SYAQ04	4-1825136-3
A101SYCB04	4-1825136-4
A101SYCQ04	4-1825136-5
not assigned	4-1825136-6
A101SYWQ04	4-1825136-7
A101SYZB04	4-1825136-8

Alco P/N	P/N
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not assigned	5-1825136-0
not assigned	5-1825136-1
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A101T1ZQ04	5-1825136-3
A101TCQ04	5-1825136-4
A101TZQ04	5-1825136-5
A108MD9AB04	5-1825136-6
not assigned	5-1825136-7
A108P3CQ04	5-1825136-8
A108P3ZQ04	5-1825136-9
A108SD9AQ04	6-1825136-0
A108SDZQ04	6-1825136-1
A108SYCB04	6-1825136-2
A108SYCQ04	6-1825136-3
A108SYZQ04	6-1825136-4
not assigned	6-1825136-5
A101SYAG04	6-1825136-6



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	

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DIMENSIONS: INCHES		CHK M.ZITTO
		APVD P.BROUILLETTE
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .010 4 PLC ± - ANGLES ± 2°		APPLICATION SPEC
MATERIAL	FINISH	WEIGHT 0
-		CUSTOMER DRAWING
SIZE A2	CAGE CODE 00779	DRAWING NO C-1825136
RESTRICTED TO	-	
SCALE 3:1	REV A7	4 OF 4

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