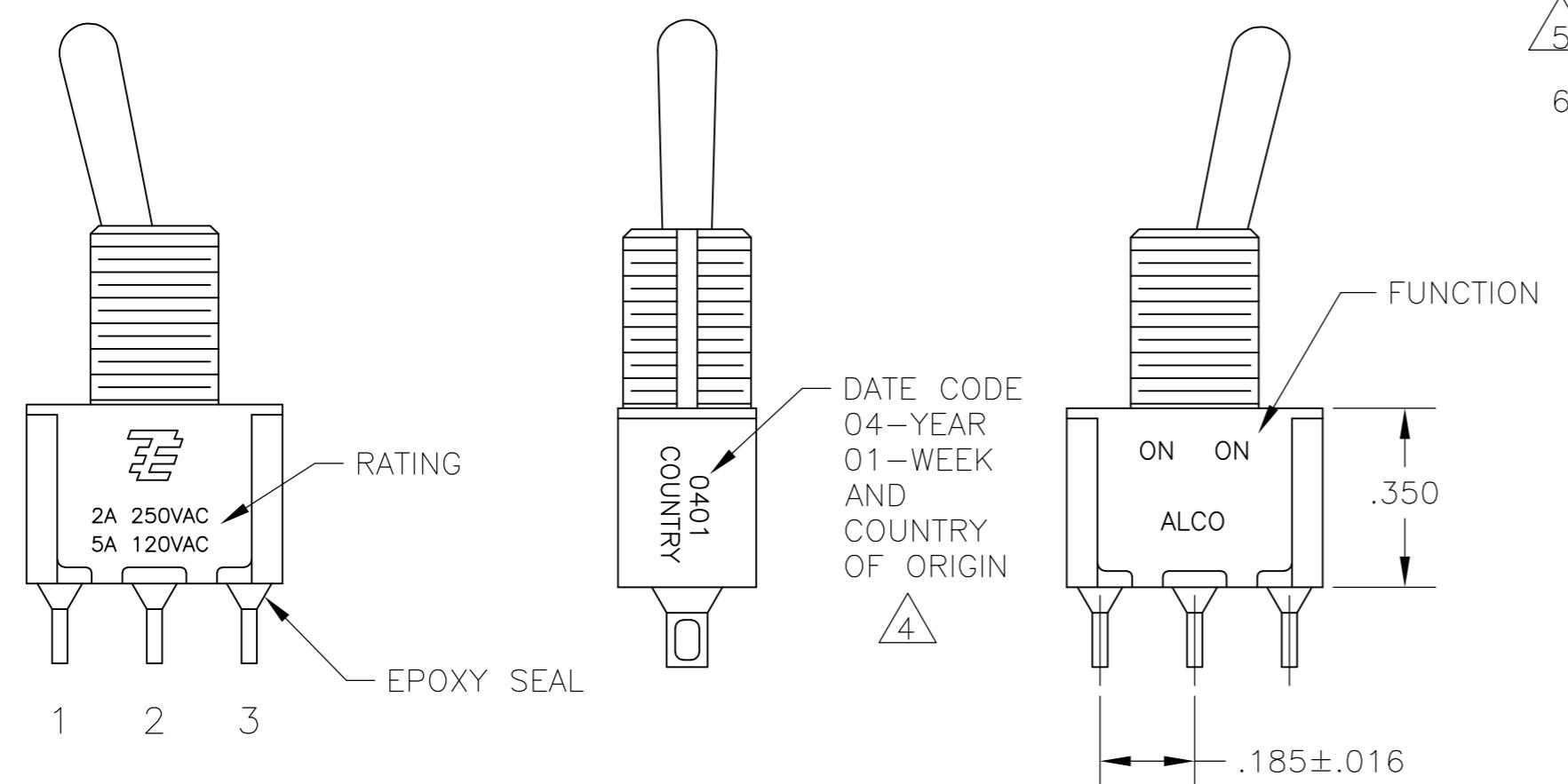
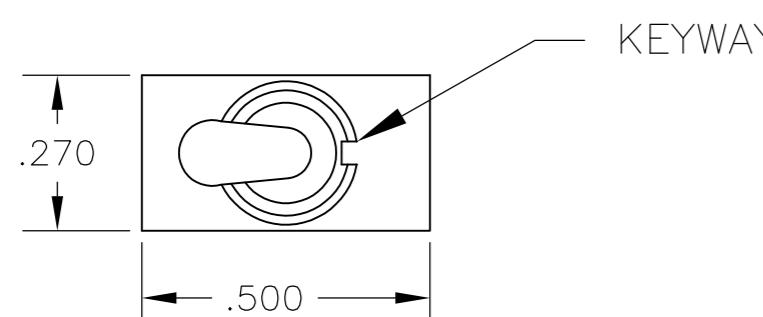


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LOC AD 00 DIST P LTR A7 REVISED PER ECO-14-005988  
DESCRIPTION DATE DWN APVD  
23APR2014 NK RH



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
03	ON	OFF	ON
05	(ON)	OFF	(ON)
07	ON	OFF	(ON)
TERMINALS CONNECTED	2-3	---	1-2

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

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

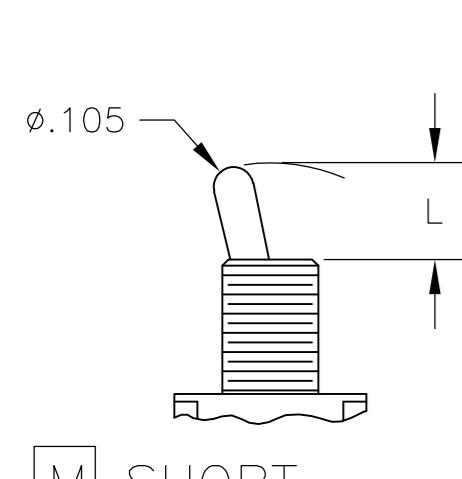
PART NUMBER SEQUENCE CHART						
MODEL	FUNCTION	TOGGLE	BUSHING	TERMINAL	CONTACT	RoHS
A1	03	K	CW	A	B	04
	05	K1	D	AV2	G	
	07	L	D9	C	Q	
		L1	H	V30		
		L2	Y	V40		
		M	Y9	W		
		P3		W4		
		S		Z		
		T		Z3		
		T1				

EXAMPLE: A103SYCQ04

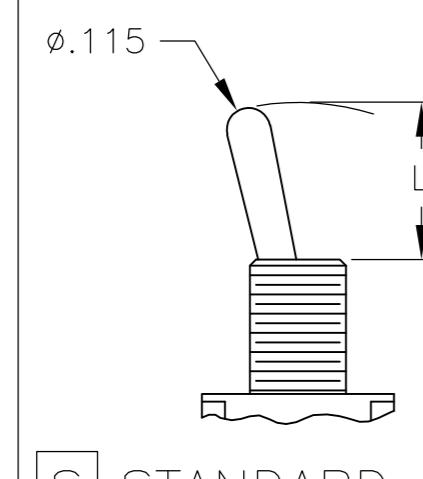
THIS DRAWING IS A CONTROLLED DOCUMENT.	18MAY05	TE Connectivity
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	
0 PLC	$\pm$ -	
1 PLC	$\pm$ -	
2 PLC	$\pm$ -	
3 PLC	$\pm$ .010	
4 PLC	$\pm$ -	
ANGLES	$\pm$ 2°	
MATERIAL	FINISH	
		RESTRICTED TO
A2	00779	C-1825137
		SCALE 3:1
		SHEET 1 OF 4
		REV A7

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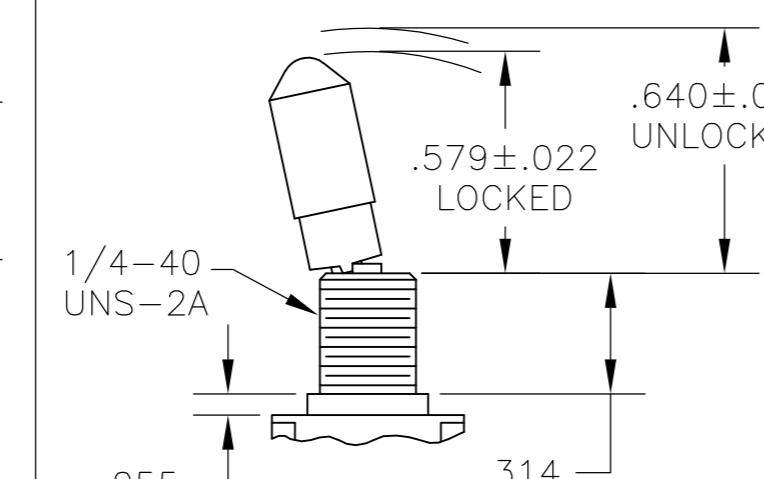
## TOGGLERS



M SHORT

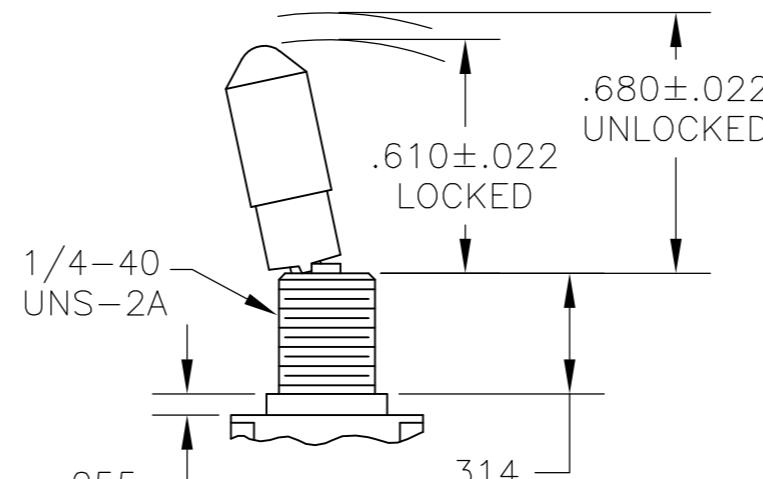


S STANDARD



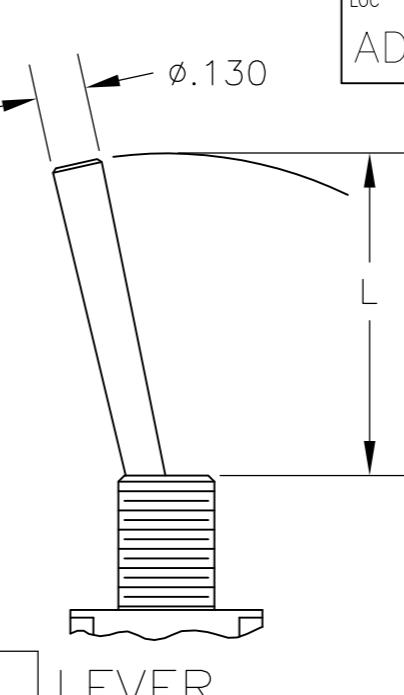
1/4-40  
UNS-2A  
.055  
.314  
.579 ± .022  
LOCKED

K  
NO BUSHING OPTION NEEDED

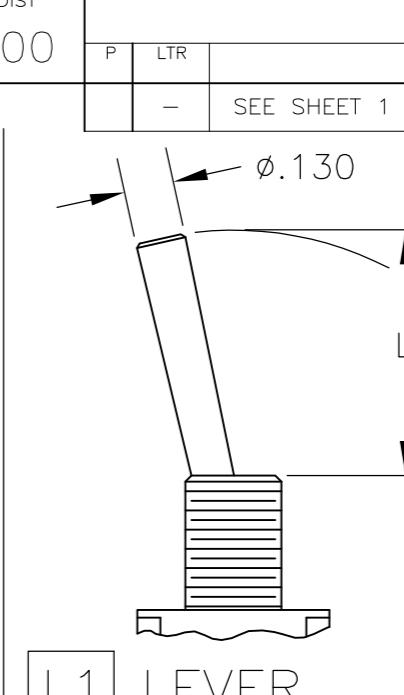


1/4-40  
UNS-2A  
.055  
.314  
.610 ± .022  
LOCKED

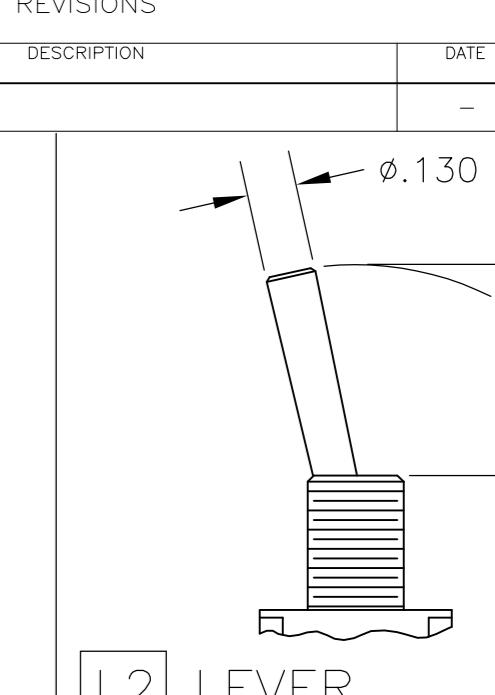
K1  
NO BUSHING OPTION NEEDED



L LEVER

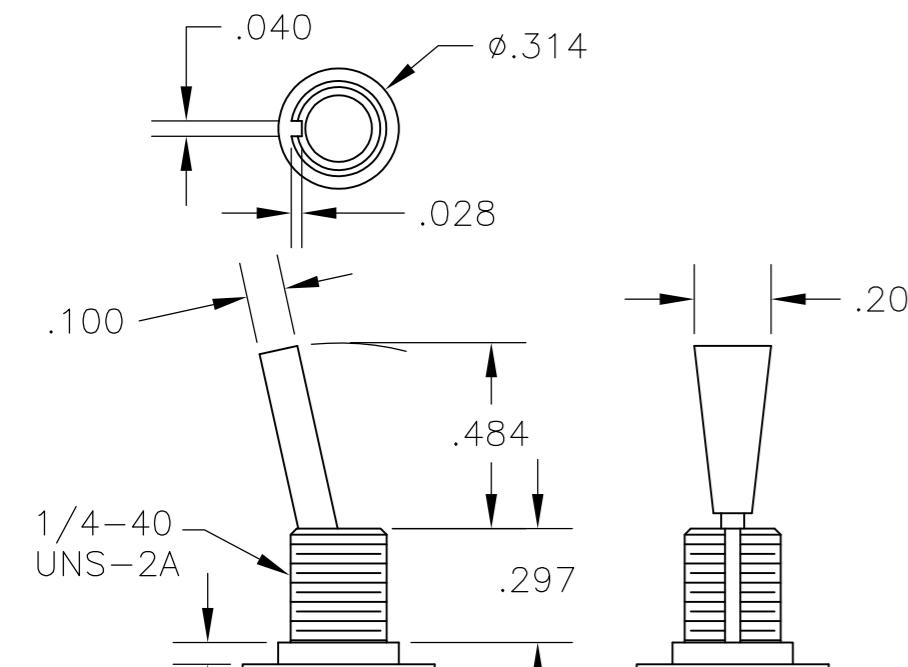


L1 LEVER

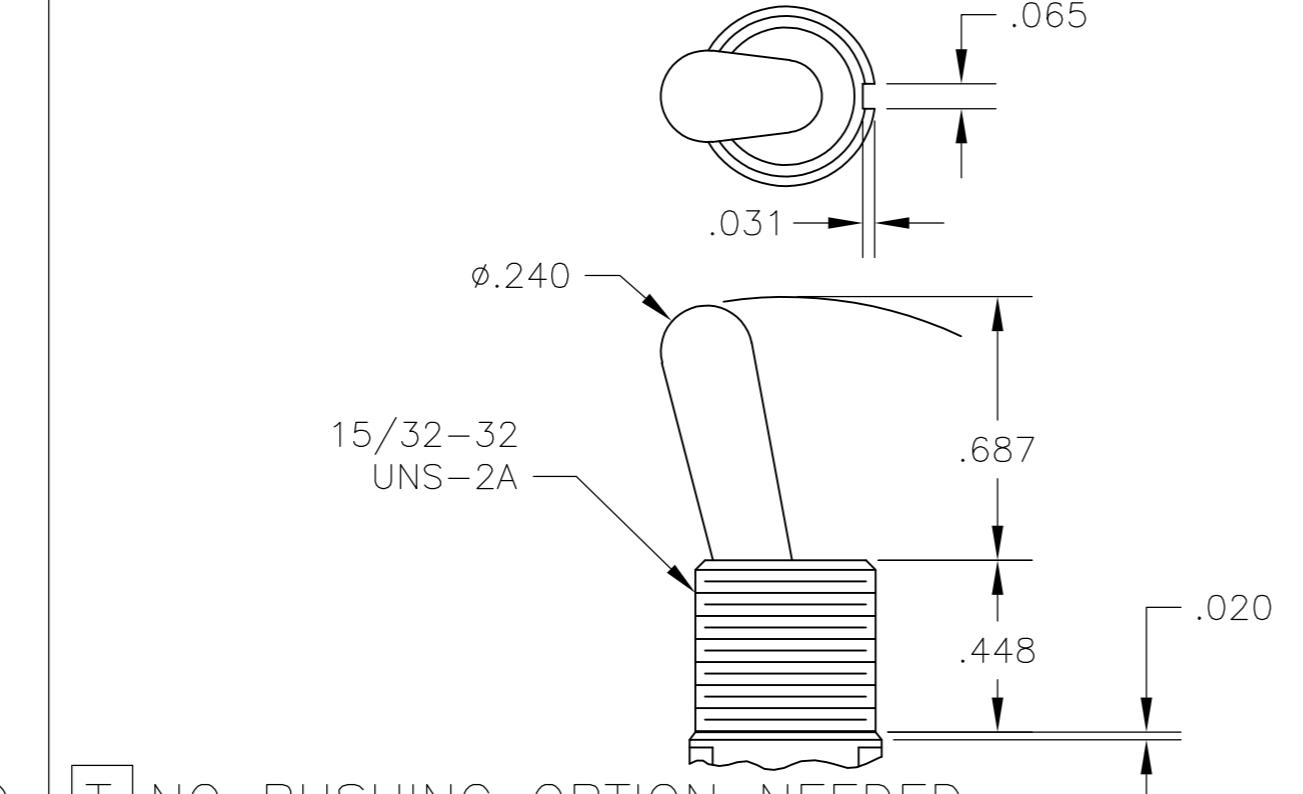


L2 LEVER

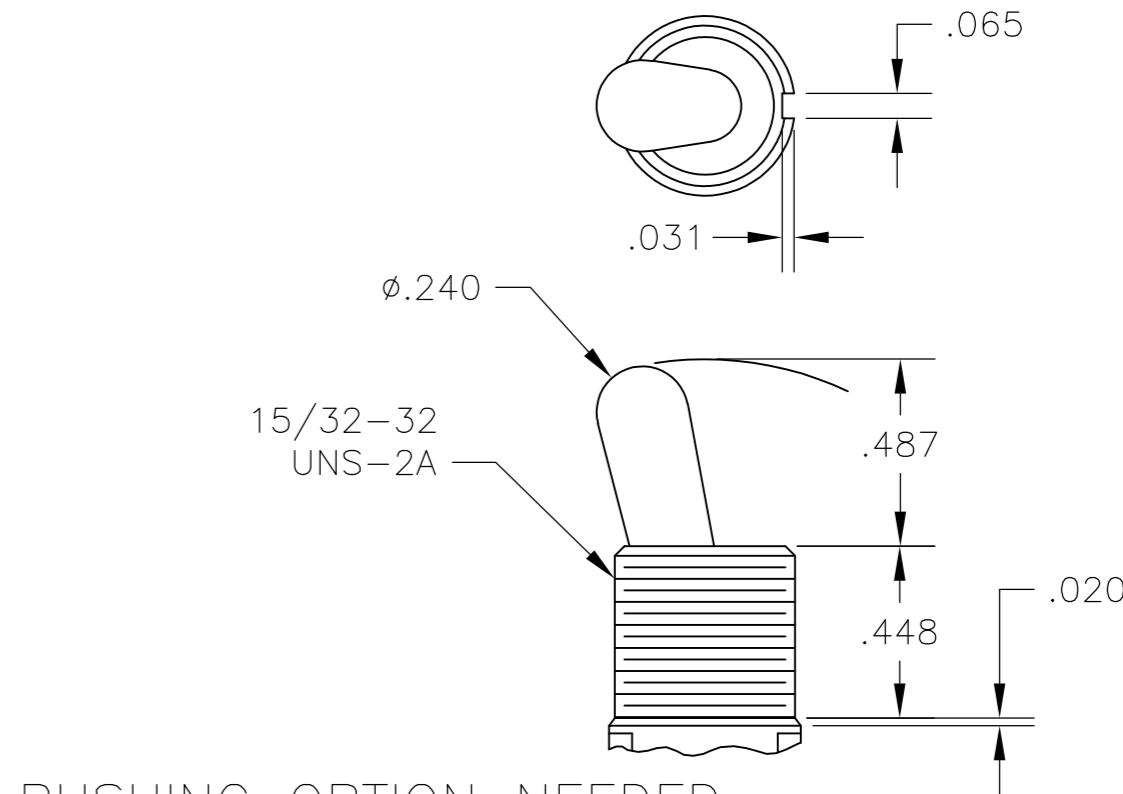
DIM L	BUSHING TYPE						
.200	Y, H	.410	Y, H	.640	Y, H	.550	Y, H
.270	D, D9	.480	D, D9	.710	D, D9	.620	D, D9



P3  
NO BUSHING OPTION NEEDED

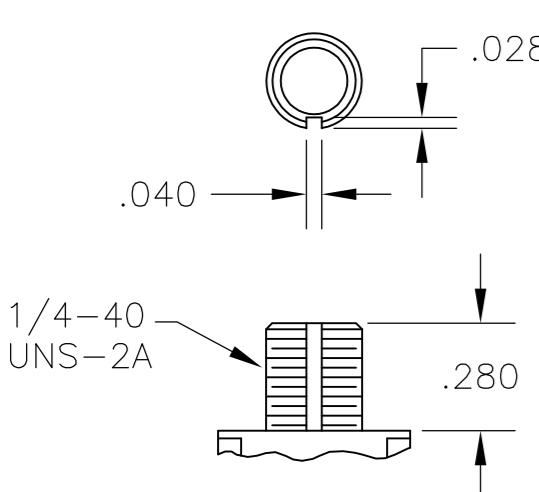


T  
NO BUSHING OPTION NEEDED



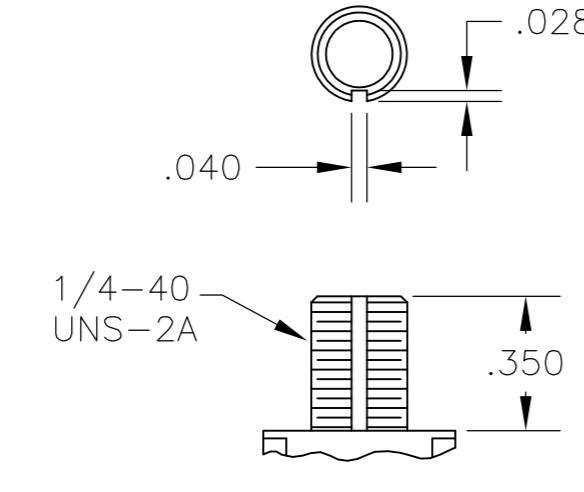
T1  
NO BUSHING OPTION NEEDED

## BUSHINGS



D THREADED

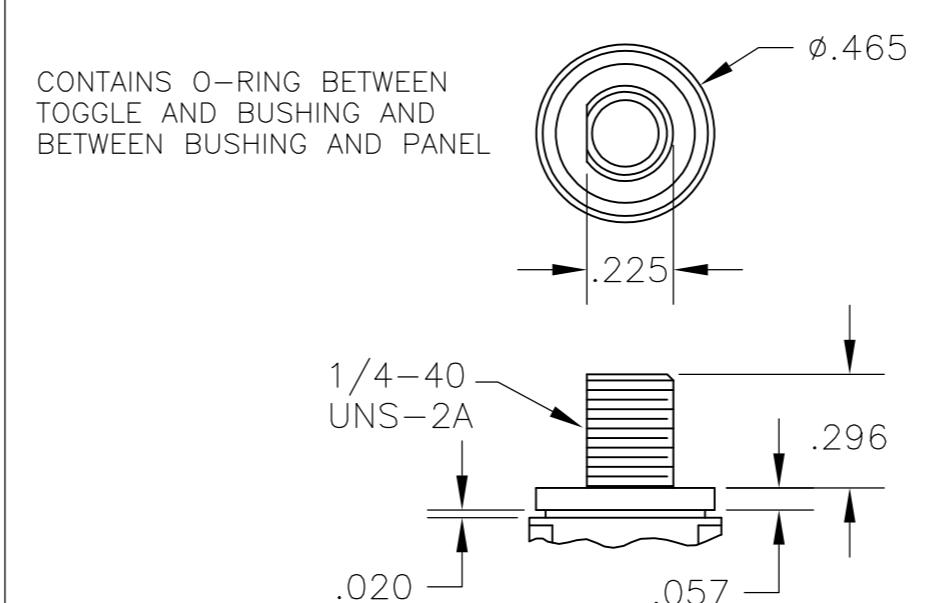
D9 UNTHREADED



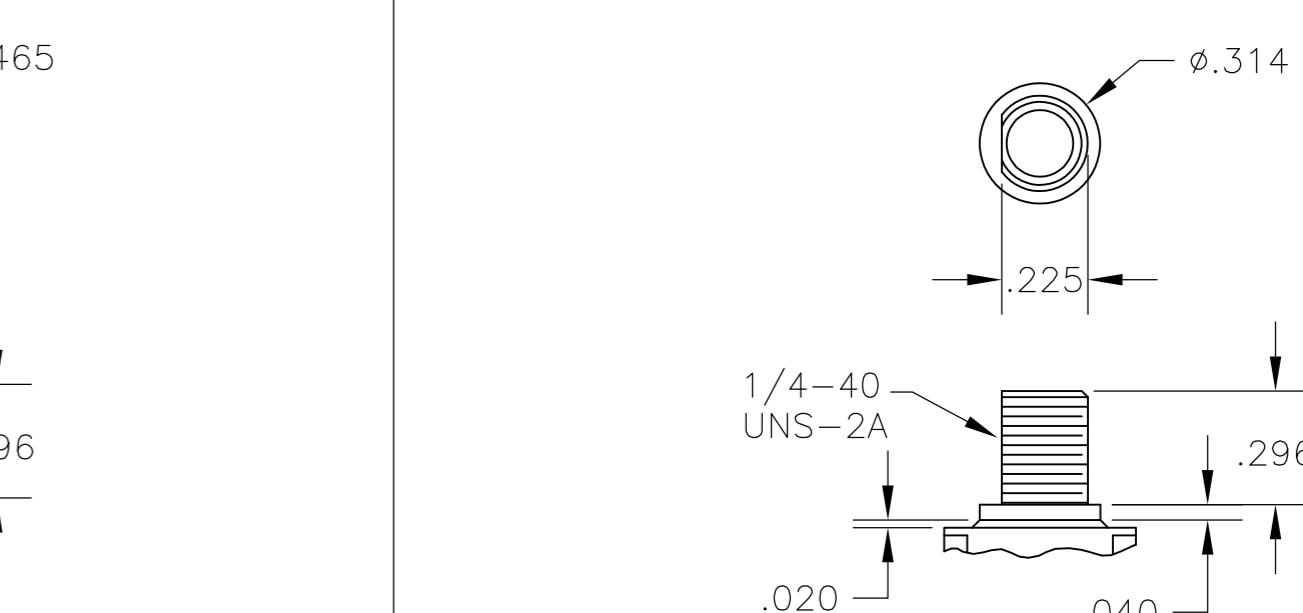
Y THREADED

Y9 UNTHREADED

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



CW THREADED SPLASHPROOF



H HIGH TORQUE

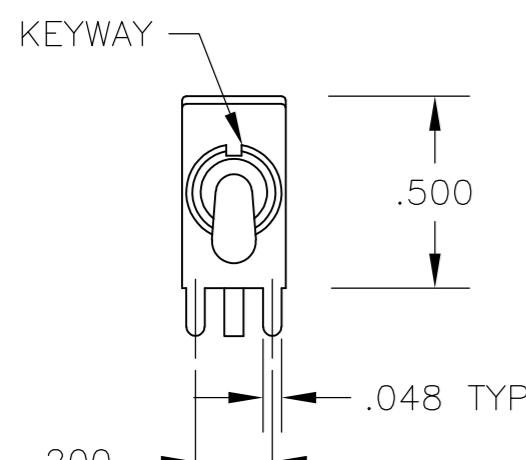
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DIM	18MAY05
M. ZITTO	-
CHK	-
M. ZITTO	-
APVD	-
M. ZITTO	-
PRODUCT SPEC	-
APPLICATION SPEC	-
MATERIAL	-
FINISH	-
WEIGHT	-
CUSTOMER DRAWING	-

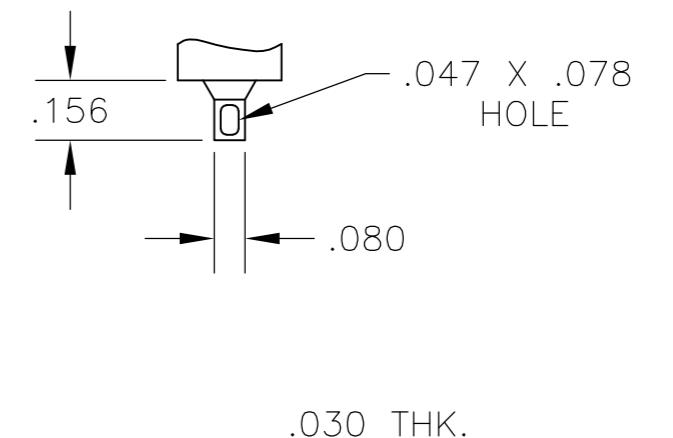
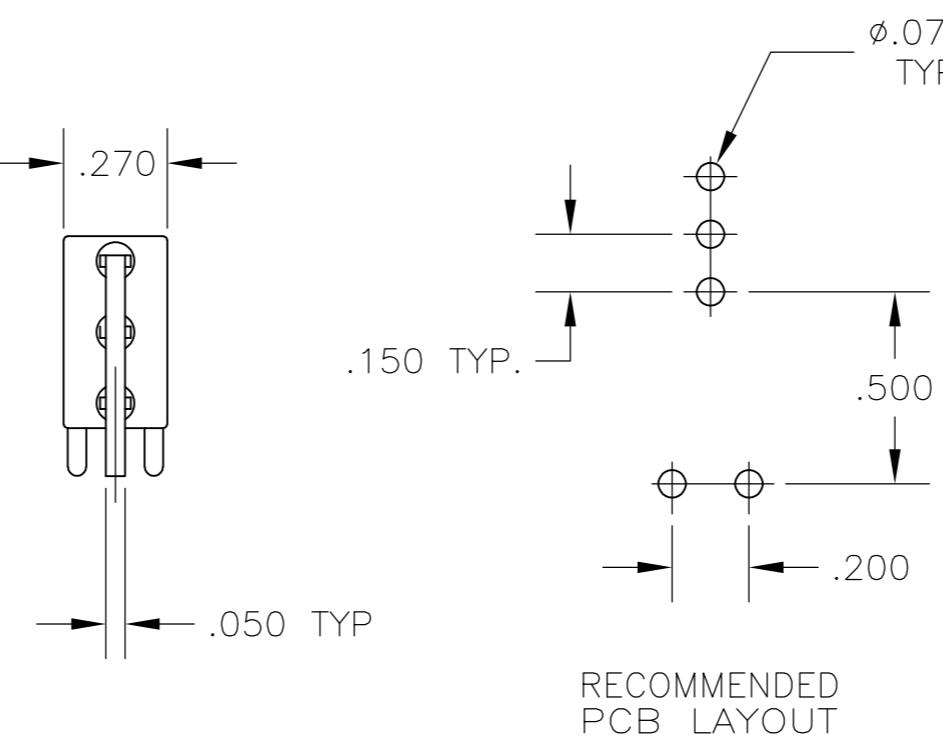
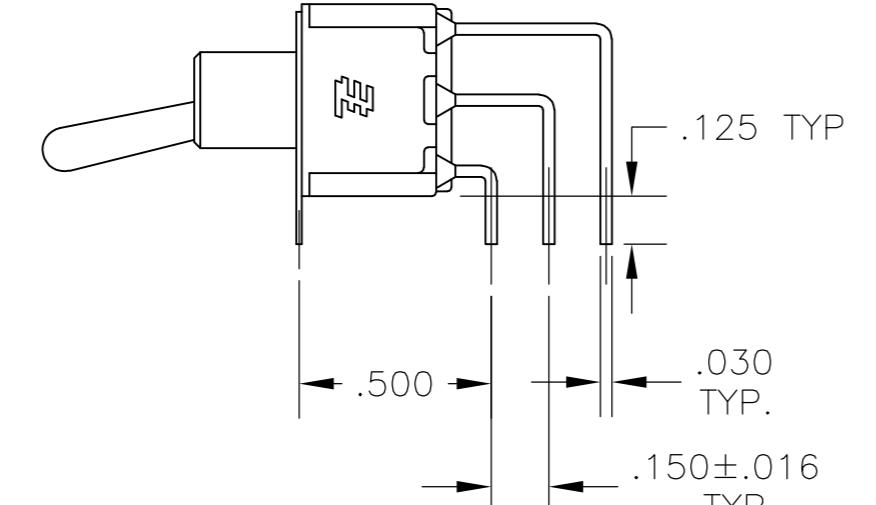
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1825137	-
SCALE	2:1	2 OF 4	REV A7

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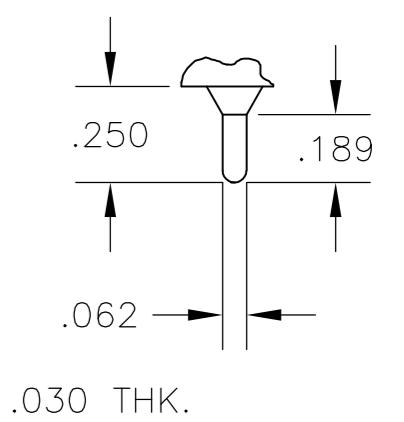
LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
SEE SHEET 1							- - -



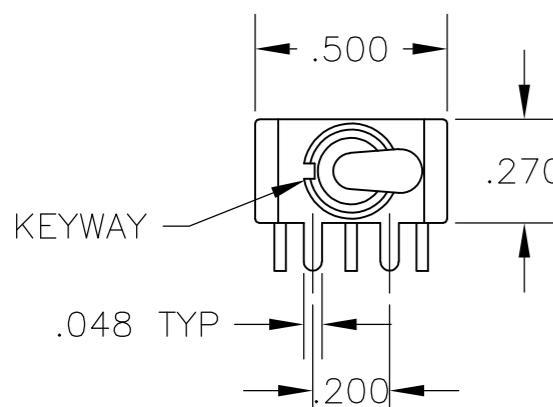
AV2 VERTICAL RIGHT ANGLE  $\triangle$



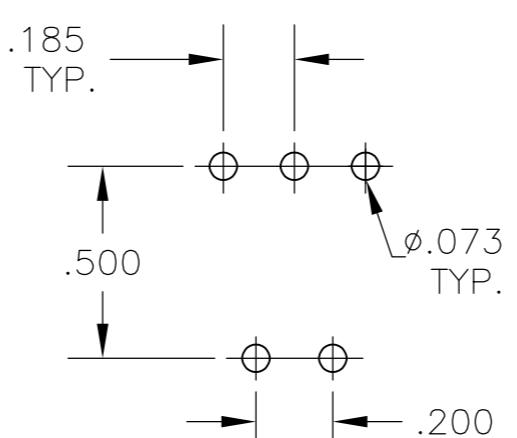
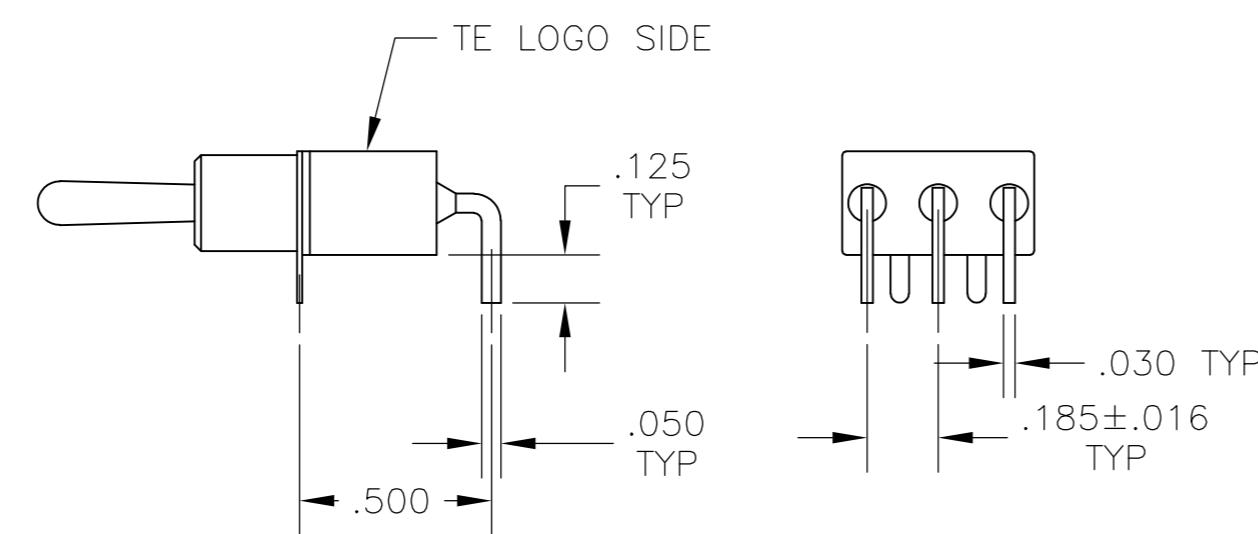
Z WIRE LUG



Z3 QUICK CONNECT

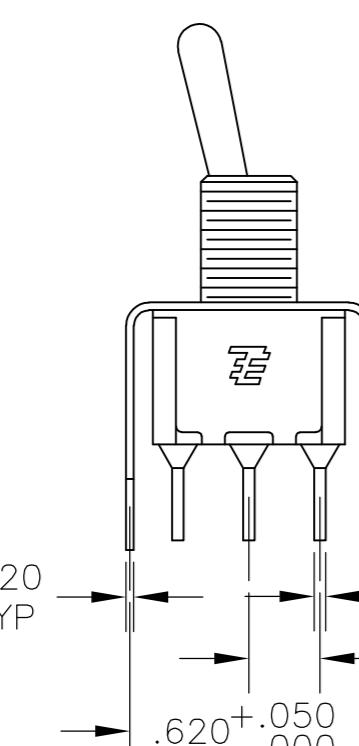
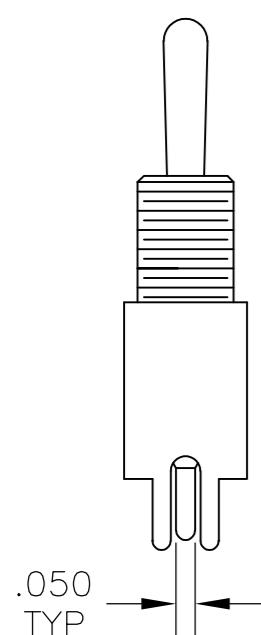


A RIGHT ANGLE  $\triangle$

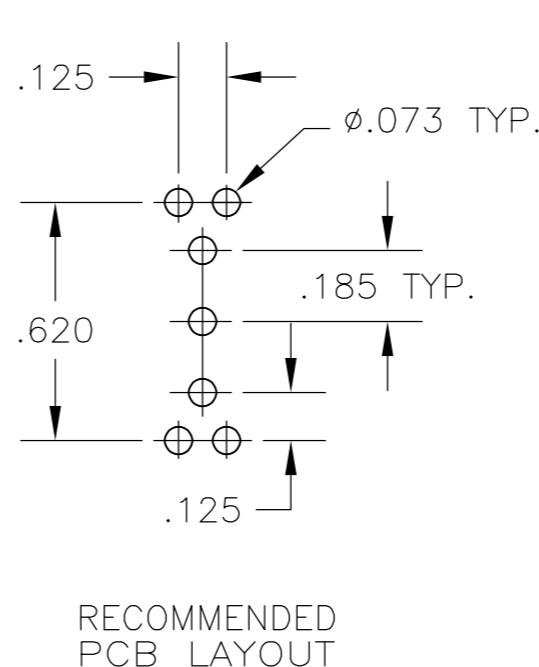
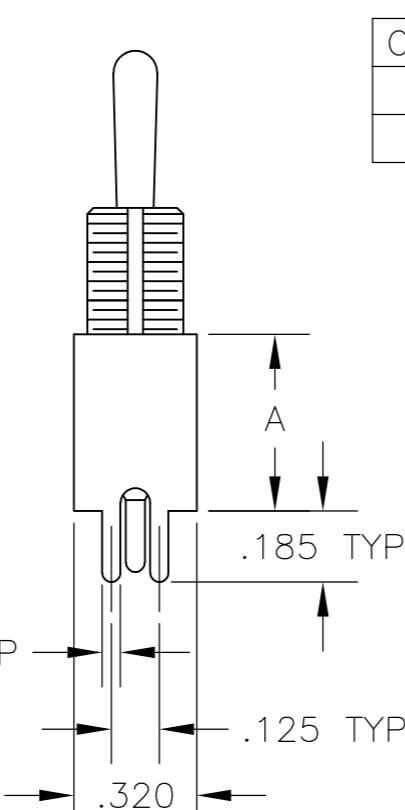


OPTION	DIM A
W	.736
W4	1.062

W W4 WIRE WRAP



OPTION	DIM A
V30	.460
V40	.630



C PRINTED CIRCUIT

V30 V40  $\triangle$   
VERTICAL SUPPORT BRACKET

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DRAWN M. ZITTO	18MAY05
CHK M. ZITTO	-
APVD M. ZITTO	-
PRODUCT SPEC	-
APPLICATION SPEC	-
MATERIAL	FINISH
WEIGHT	-
CUSTOMER DRAWING	-

TE

TE Connectivity

GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE,  
3 POSITION FUNCTIONS (03, 05 & 07)

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A2 00779 C-1825137 -

CUSTOMER DRAWING

SCALE 2:1 SHEET 3 OF 4 REV A7

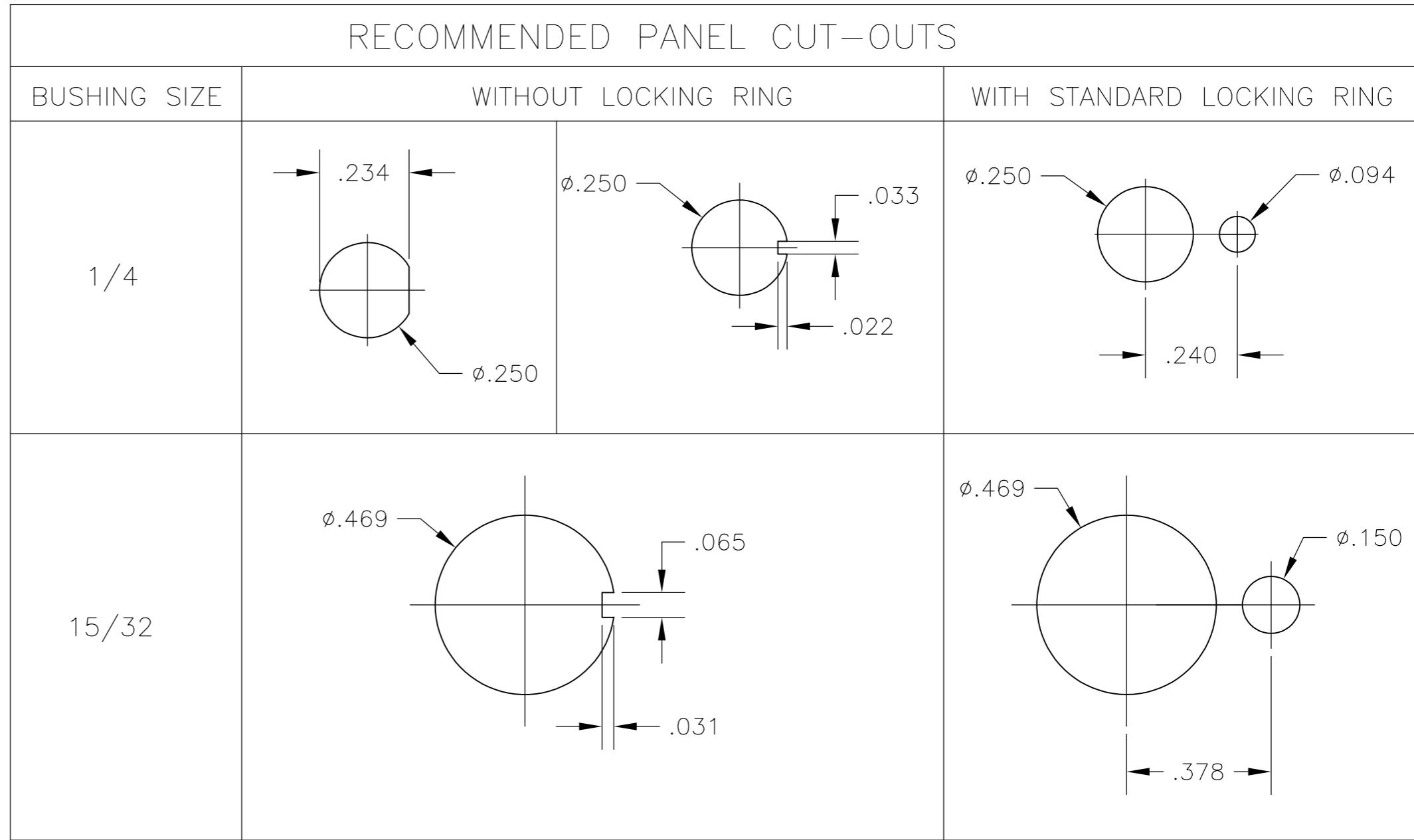
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LOC	DIST	REVISIONS		
AD	00	P	LTR	
		SEE SHEET 1		

Alco P/N	P/N
A103KZQ04	1825137-1
A103MD9AB04	1825137-2
A103MD9AG04	1825137-3
A103MD9AQ04	1825137-4
A103MD9AV2B04	1825137-5
A103P3ZQ04	1825137-6
A103SD9AQ04	1825137-7
A103SD9AV2B04	1825137-8
A103SD9AV2Q04	1825137-9
A103SDCB04	1-1825137-0
A103SDCQ04	1-1825137-1
A103SDZQ04	1-1825137-2
A103SYAQ04	1-1825137-3
A103SYAV2Q04	1-1825137-4
A103SYCB04	1-1825137-5
A103SYCQ04	1-1825137-6
A103SYWB04	1-1825137-7
A103SYWQ04	1-1825137-8
A103SYZB04	1-1825137-9
A103SYZQ04	2-1825137-0
A103T1CG04	2-1825137-1
A103T1ZQ04	2-1825137-2
A103TZQ04	2-1825137-3
A105MD9AB04	2-1825137-4
A105MD9AQ04	2-1825137-5
A105MYV30Q04	2-1825137-6
A105P3CG04	2-1825137-7
A105P3CQ04	2-1825137-8
A105P3ZQ04	2-1825137-9
A103MDAB04	3-1825137-0
A105SD9AB04	3-1825137-1
A105SD9AV2Q04	3-1825137-2
A105SD9V30B04	3-1825137-3
A105SYAB04	3-1825137-4
A105SYAV2B04	3-1825137-5
A105SYCB04	3-1825137-6
A105SYCQ04	3-1825137-7
A105SYZB04	3-1825137-8
A105SYZQ04	3-1825137-9
A105T1ZB04	4-1825137-0
A105T1ZQ04	4-1825137-1
A105TZQ04	4-1825137-2
A107KAV2Q04	4-1825137-3
A107KZB04	4-1825137-4
A107MD9AV2B04	4-1825137-5
A107MD9CQ04	4-1825137-6
A107MD9V30Q04	4-1825137-7
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A107SYAQ04	4-1825137-9
A107SYCB04	5-1825137-0
A107SYCQ04	5-1825137-1
A107SYZQ04	5-1825137-2
A107TZB04	5-1825137-3
A105MD9AV2B	5-1825137-4
A103MD9V30B04	5-1825137-5
A103MCWCB04	5-1825137-6
A103SCWCB04	5-1825137-7

OBSOLETE

PRELIMINARY



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.		18MAY05	TE Connectivity
DRAWN	M. ZITTO	—	
CHK	M. ZITTO	—	
APVD	M. ZITTO	—	
PRODUCT SPEC	—		
APPLICATION SPEC	—		
MATERIAL	FINISH	WEIGHT	RESTRICTED TO
—	—	—	
CAGE CODE	DRAWING NO	SCALE	
A200779	C-1825137	3:1	
CUSTOMER DRAWING	REV	4 OF 4	A7

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