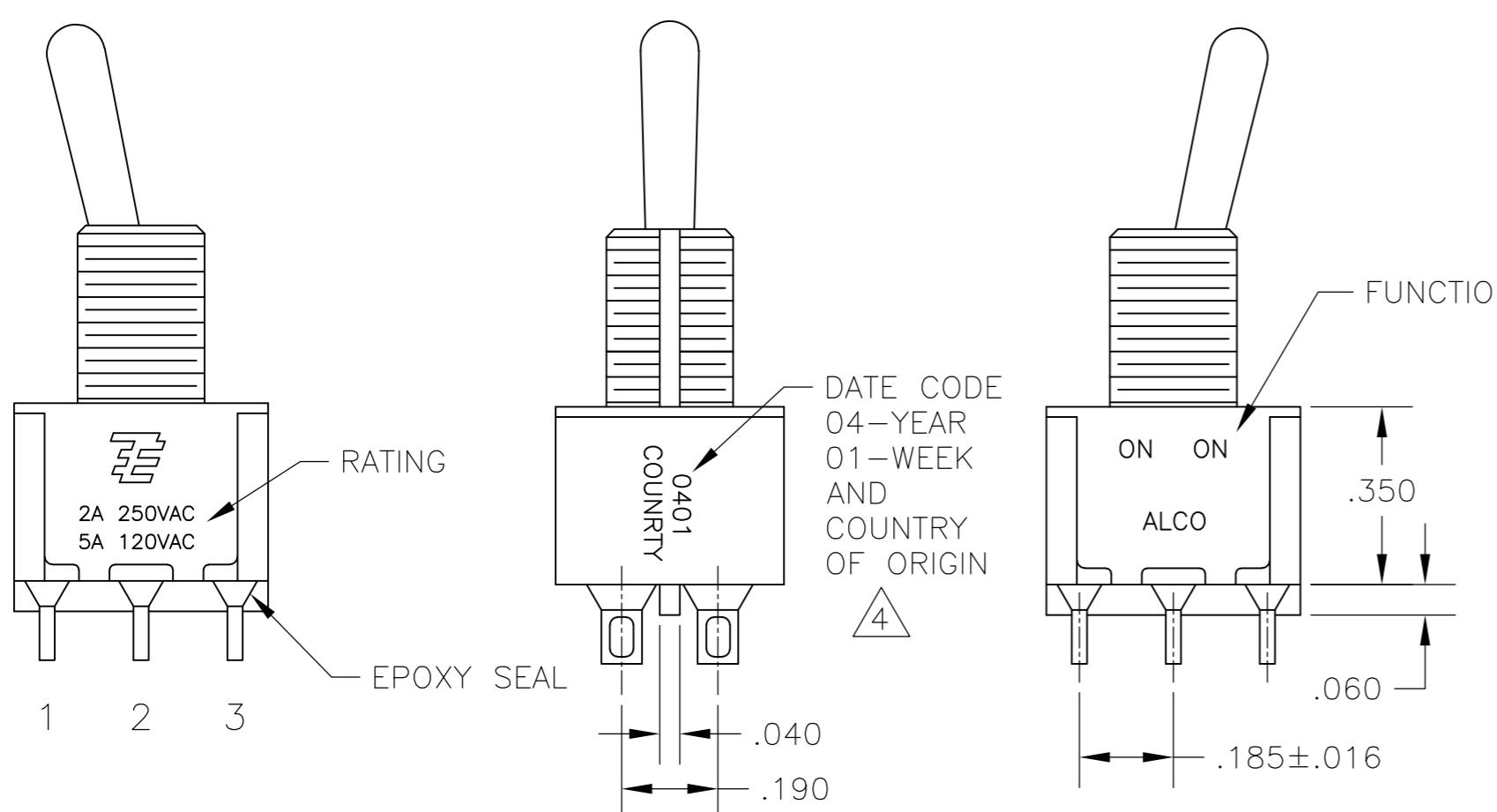
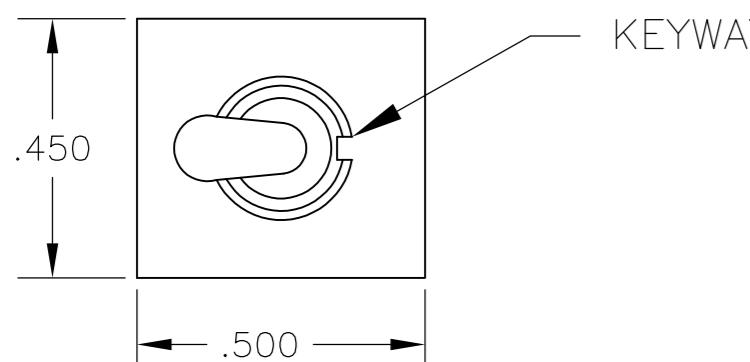


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LOC AD 00 DIST A5
P LTR REVISED PER ECO-14-005988
DATE 23APR2014 DWN NK APVD RH



- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).
- EACH SWITCH WITH THREADED BUSHINGS SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
(2) HEX NUTS
(1) INTERNAL TOOTH LOCKWASHER
(1) LOCATING RING.
- 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 120 VAC.

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.

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

FUNCTION CHART			
FUNCTION	1 2 3	4 5 6	1 2 3
01	ON	NONE	ON
08	ON	NONE	(ON)
TERMINALS CONNECTED	2-3, 5-6	---	1-2, 4-5

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

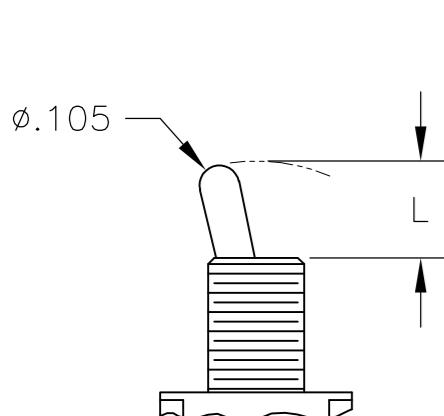
PART NUMBER SEQUENCE CHART						
MODEL	FUNCTION	TOGGLE	BUSHING	TERMINAL	CONTACT	RoHS
A2	01	K	CW	A	B	04
	08	K1	D	AV2	G	
		L	D9	C	Q	
		L1	H	V30		
		L2	Y	V40		
		M	Y9	V70		
		P3		W		
		S		W4		
		T		Z		
		T1		Z3		

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN M. ZITTO 18MAY05	TE Connectivity
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES	± - ± - ± - ± .010 ± 2°	APPLIC. SPEC
MATERIAL	FINISH	WEIGHT
-	-	-
		CUSTOMER DRAWING
		SCALE 3:1 SHEET 1 OF 4 REV A5

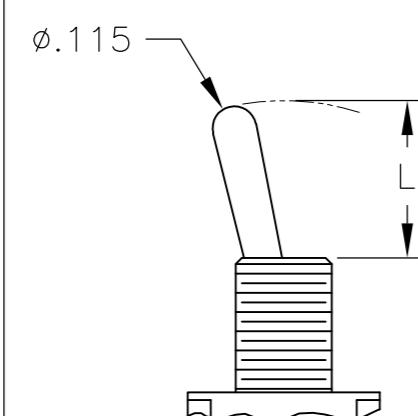
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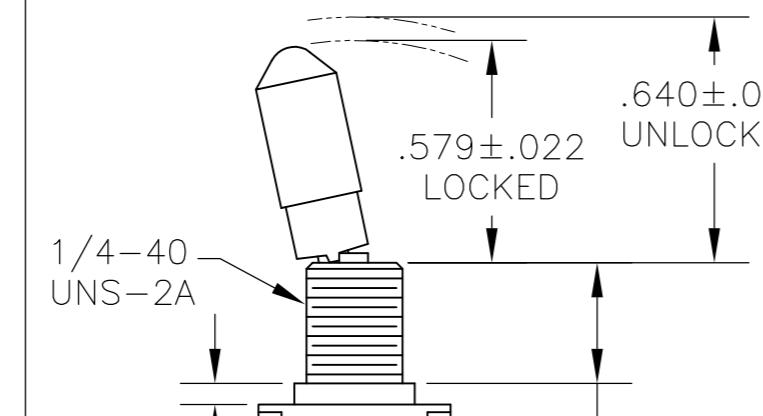
TOGGLES



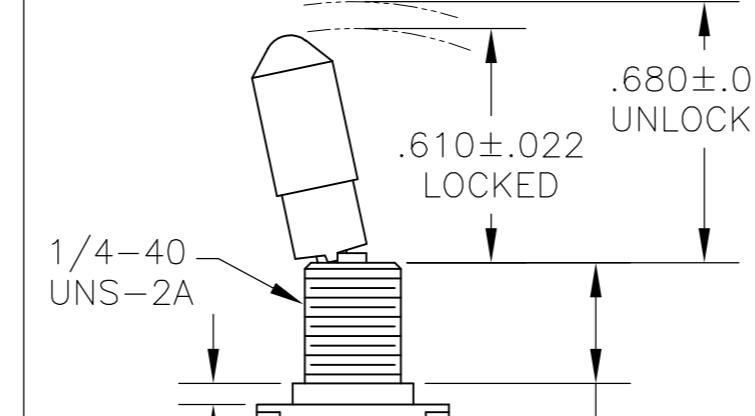
M SHORT



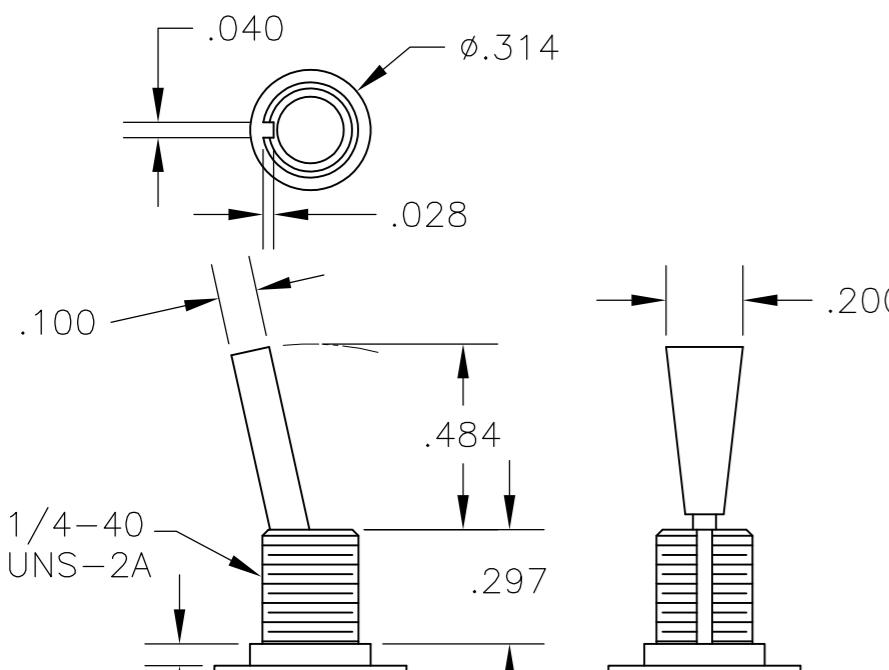
S STANDARD



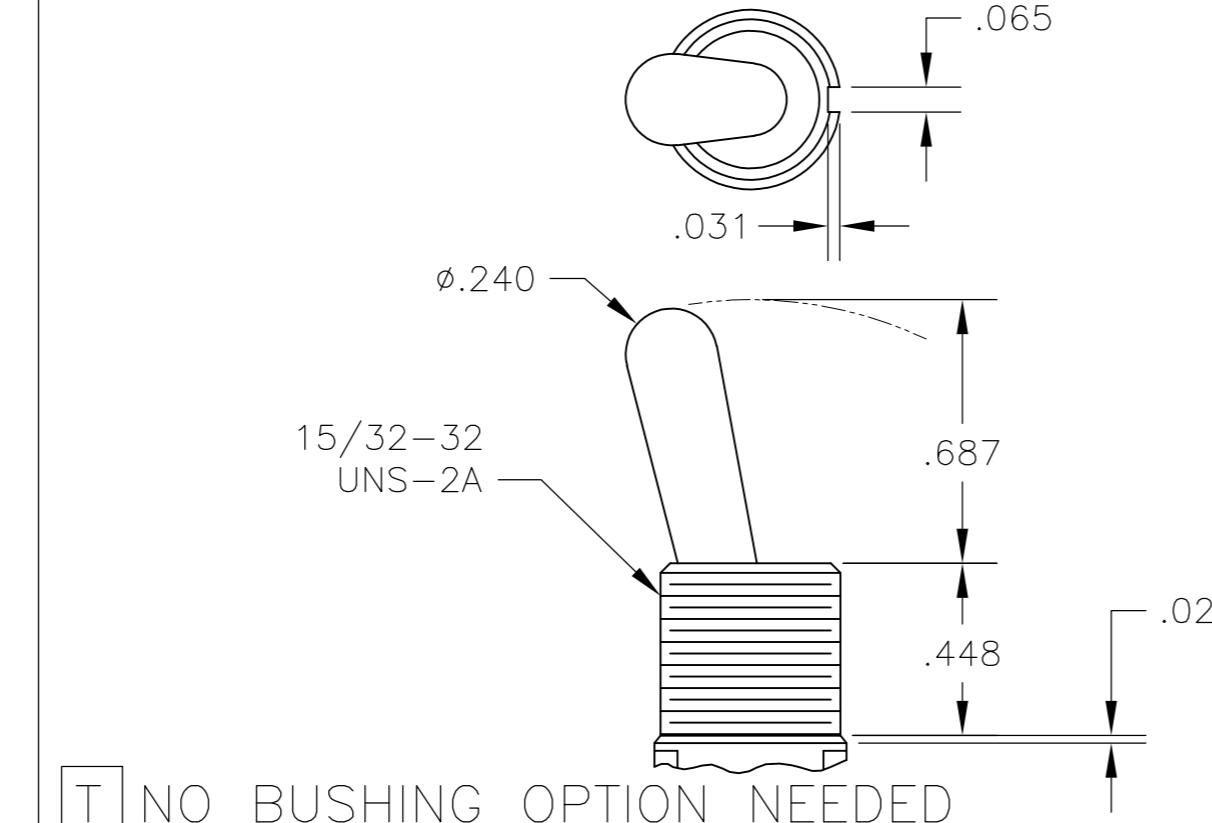
K NO BUSHING OPTION NEEDED



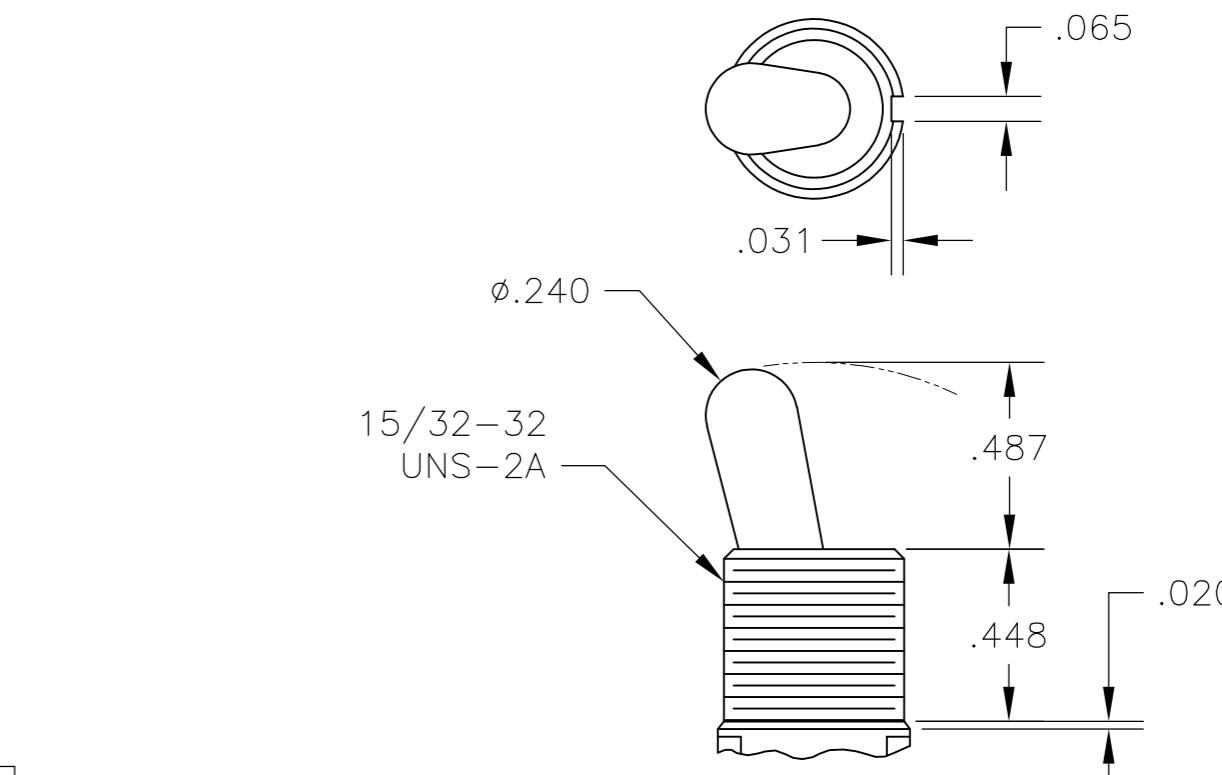
K1 NO BUSHING OPTION NEEDED



P3 NO BUSHING OPTION NEEDED

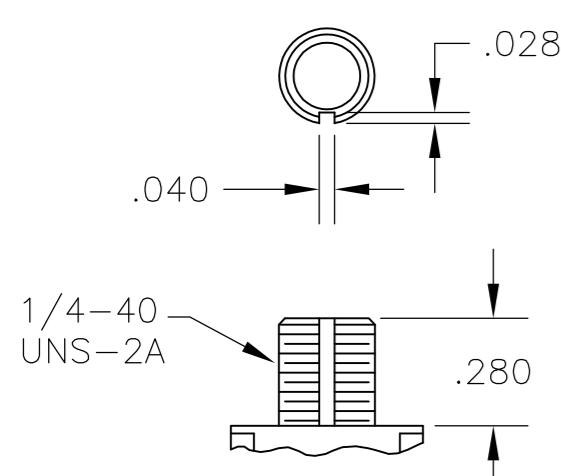


T NO BUSHING OPTION NEEDED



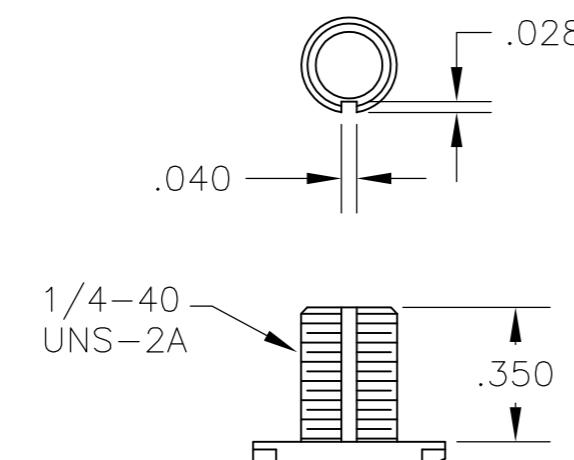
T1 NO BUSHING OPTION NEEDED

BUSHINGS



D THREADED

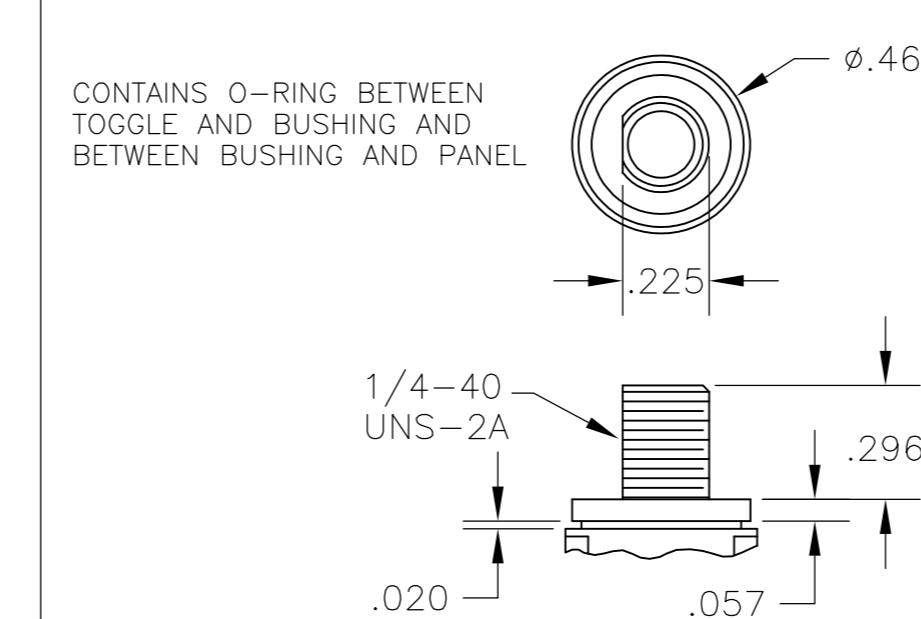
D9 UNTHREADED



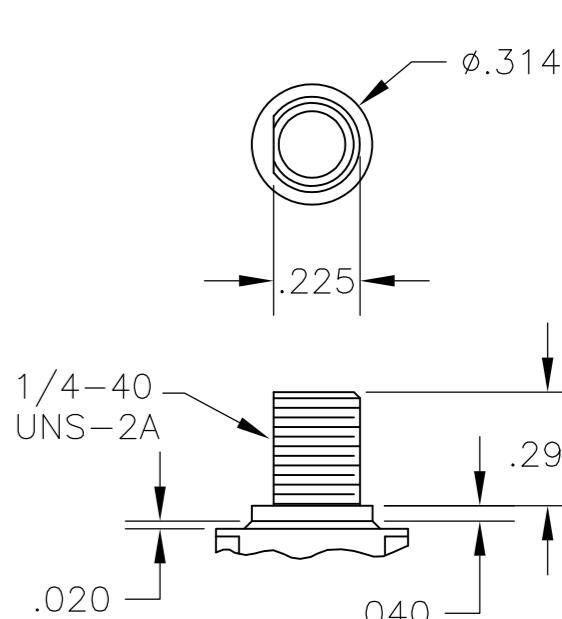
Y THREADED

Y9 UNTHREADED

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



CW THREADED SPLASHPROOF



H HIGH TORQUE

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14APR05

M. ZITTO

CHK

M. ZITTO

APVD

P. BROUILLETTE

PRODUCT SPEC

—

APPLICATION SPEC

—

MATERIAL

—

FINISH

—

WEIGHT

—

CUSTOMER DRAWING

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FINISH

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WEIGHT

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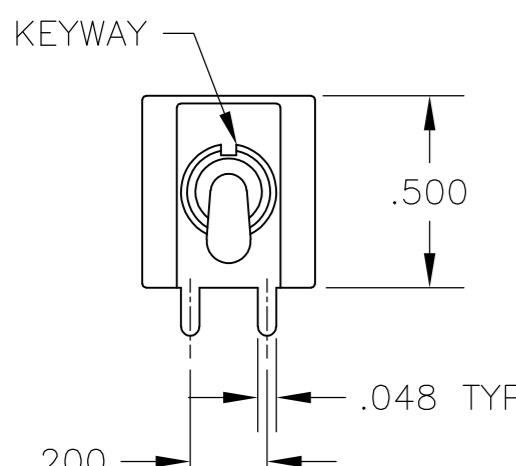
CUSTOMER DRAWING

14APR05

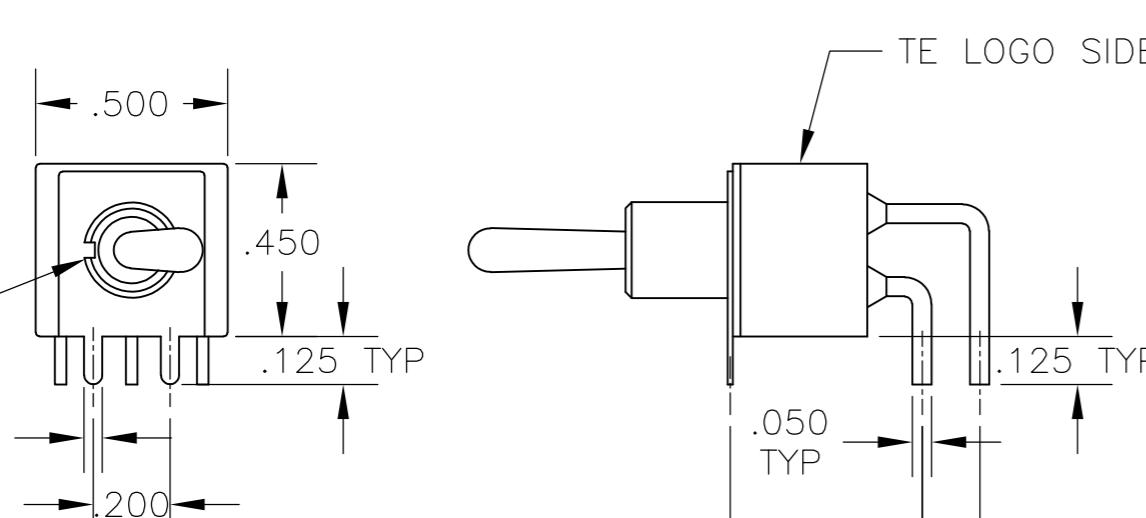
M. ZITTO

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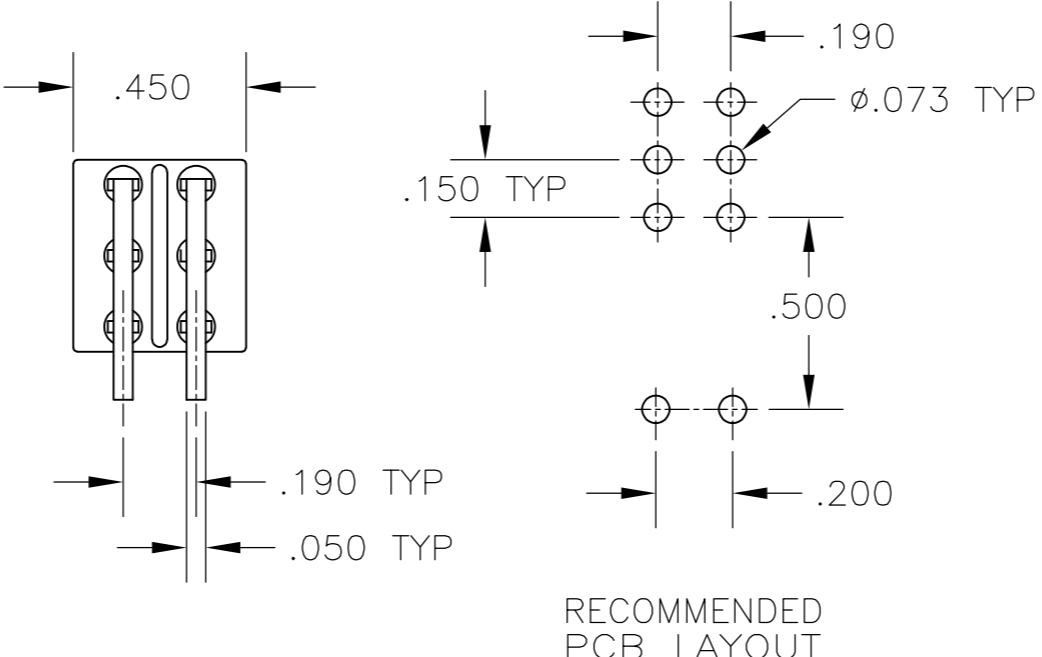
LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
SEE SHEET 1							- - -



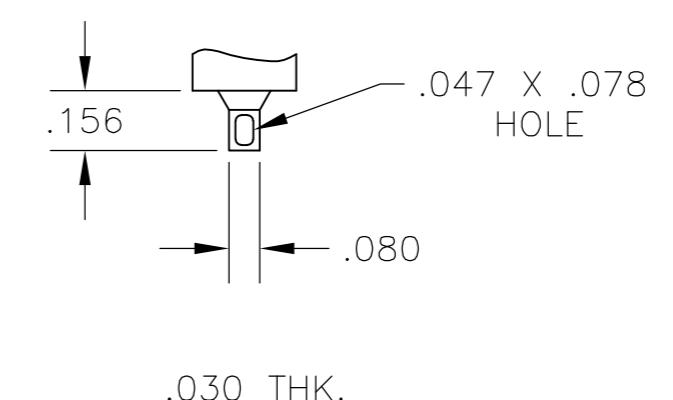
AV2 VERTICAL RIGHT ANGLE 5



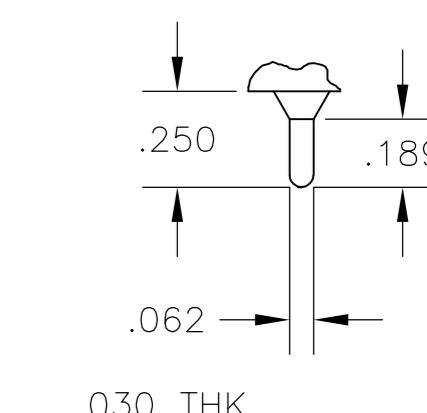
A RIGHT ANGLE 5



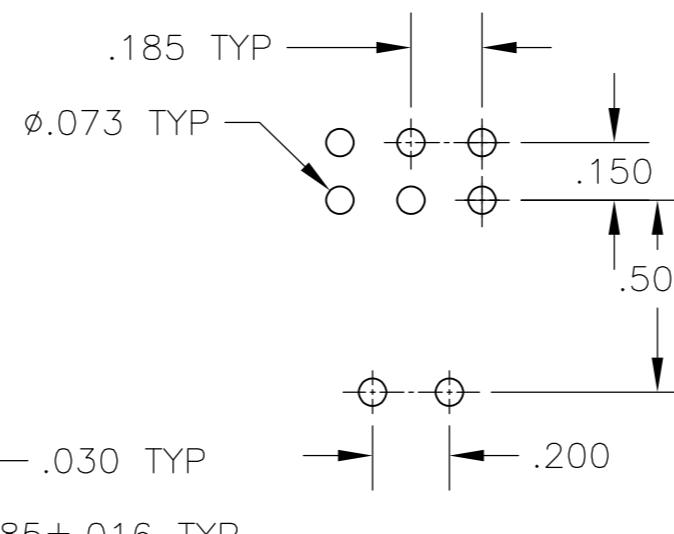
RECOMMENDED PCB LAYOUT



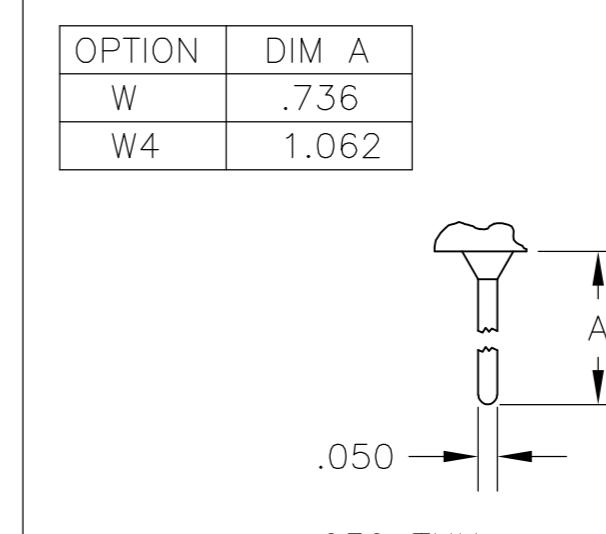
Z WIRE LUG



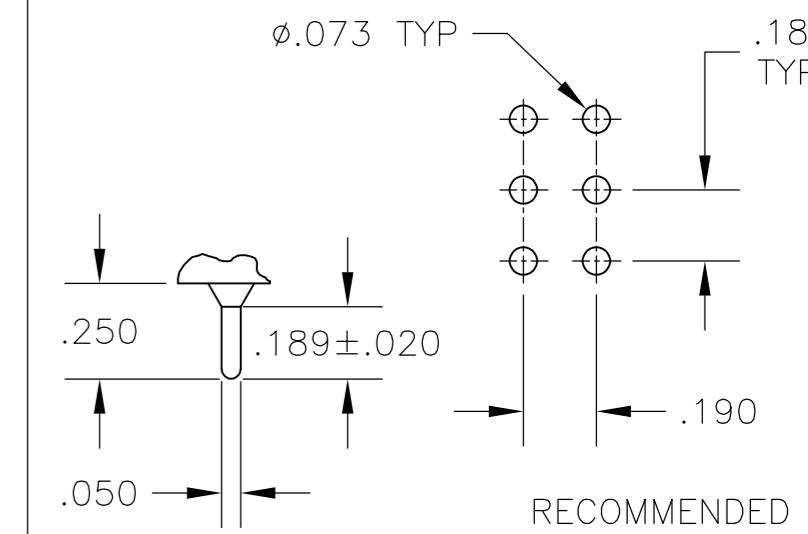
Z3 QUICK CONNECT



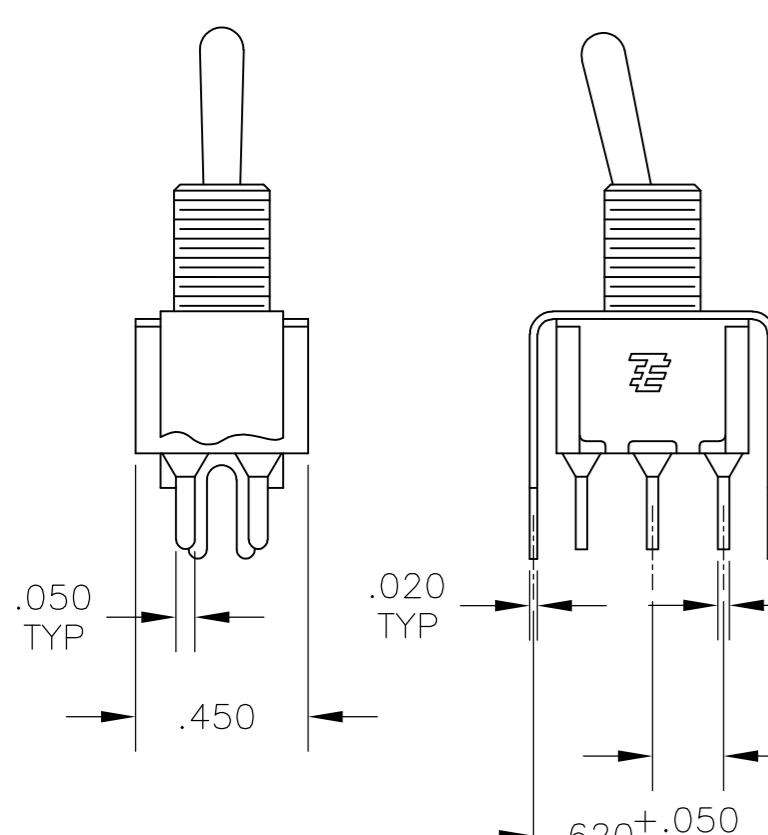
RECOMMENDED PCB LAYOUT



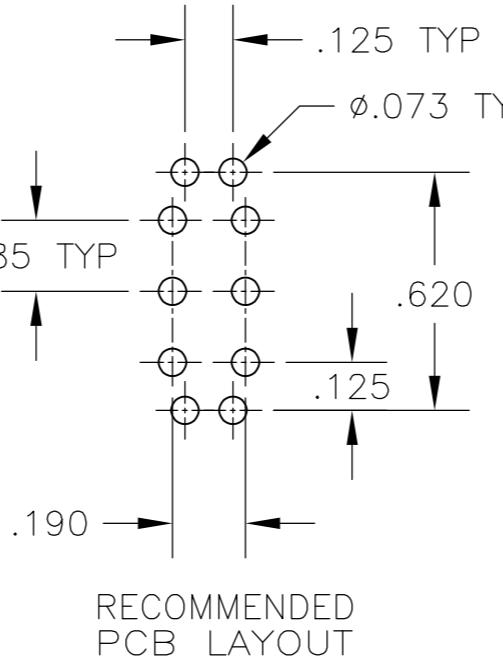
W W4 WIRE WRAP



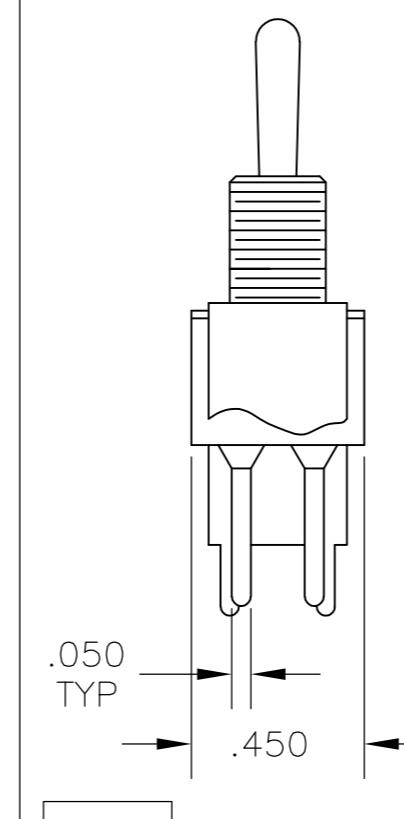
RECOMMENDED PCB LAYOUT



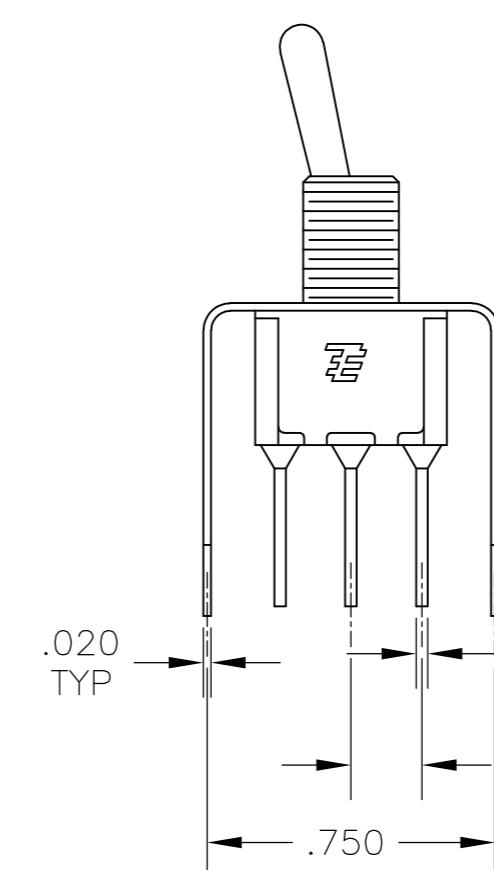
V30 V40 5
VERTICAL SUPPORT BRACKET



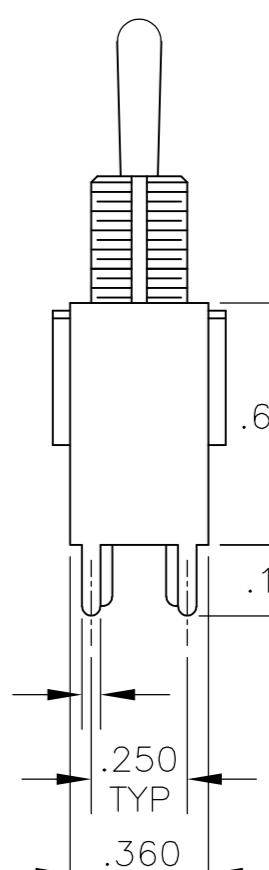
OPTION	DIM A
V30	.460
V40	.630



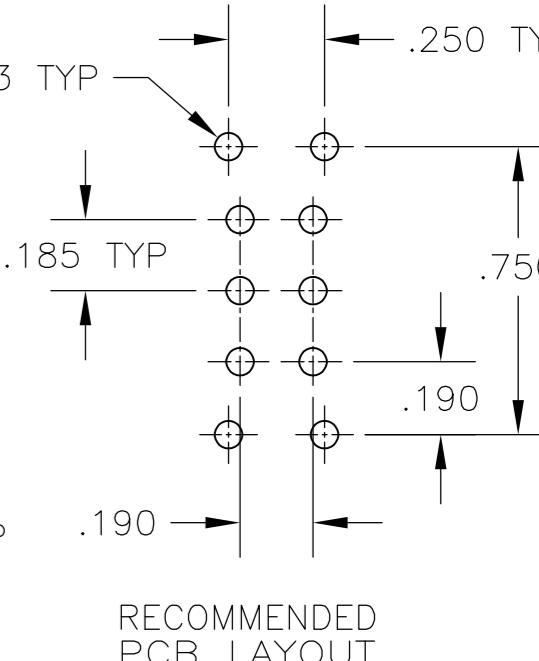
V70 VERTICAL SUPPORT BRACKET



V70 VERTICAL SUPPORT BRACKET



V70 VERTICAL SUPPORT BRACKET



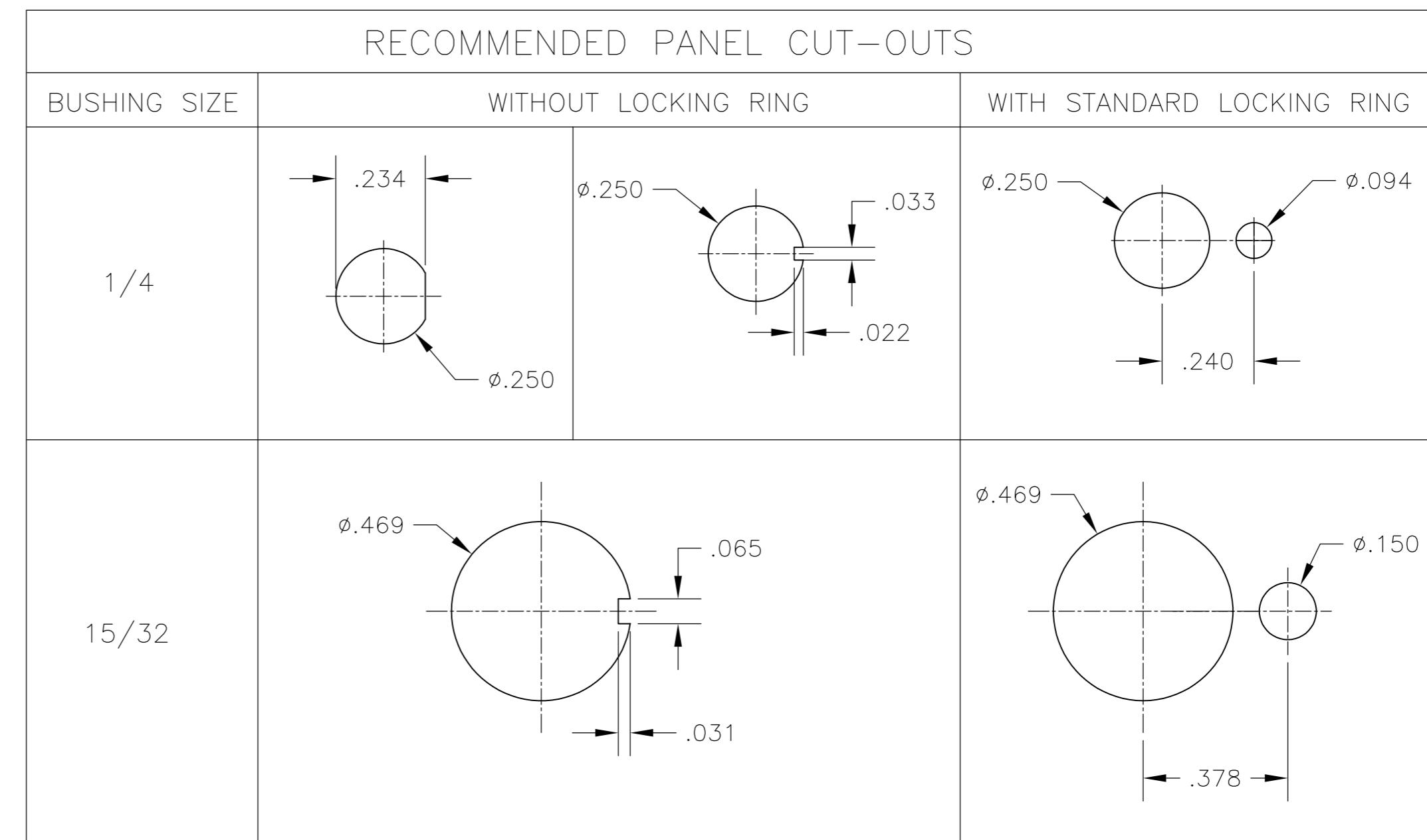
RECOMMENDED PCB LAYOUT

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DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC	± -	M. ZITTO
1 PLC	± -	CHK
2 PLC	± -	APVD
3 PLC	± .010	P. BROUILLETTE
4 PLC	± -	PRODUCT SPEC
ANGLES	± -	APPLICATION SPEC
MATERIAL	FINISH	WEIGHT
-	-	-
CUSTOMER DRAWING		REV A5
A2 00779	C-1825138	RESTRICTED TO
14APR05		
TE Connectivity		
GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08)		
SIZE	CAGE CODE	DRAWING NO
A2	00779	C-1825138
SCALE	2:1	3 OF 4

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

Alco P/N	P/N
A201KAB04	1825138-1
A201KD9AQ04	1825138-2
A201KZQ04	1825138-3
not assigned	1825138-4
A201L1D9V30Q04	1825138-5
A201MD9AB04	1825138-6
A201MD9AQ04	1825138-7
A201MD9AV2B04	1825138-8
A201MD9AV2Q04	1825138-9
A201MDAQ04	1-1825138-0
not assigned	1-1825138-1
A201MYAQ04	1-1825138-2
A201MYCB04	1-1825138-3
A201MYZQ04	1-1825138-4
A201P3ZQ04	1-1825138-5
A201SCWZB04	1-1825138-6
A201SD9AQ04	1-1825138-7
A201SD9AV2Q04	1-1825138-8
A201SDCB04	1-1825138-9
A201SDZQ04	2-1825138-0
A201SY9AB04	2-1825138-1
A201SYAB04	2-1825138-2
A201SYAQ04	2-1825138-3
A201SYCB04	2-1825138-4
A201SYCQ04	2-1825138-5
A201SYWQ04	2-1825138-6
A201SYZB04	2-1825138-7
A201SYZQ04	2-1825138-8
A201T1ZQ04	2-1825138-9
not assigned	3-1825138-0
A201TZQ04	3-1825138-1
A208KZG04	3-1825138-2
A208P3ZQ04	3-1825138-3
A208SD9AQ04	3-1825138-4
A208SD9AV2Q04	3-1825138-5
A208SYCB04	3-1825138-6
A208SYCQ04	3-1825138-7
A208SYZQ04	3-1825138-8
A208T1ZQ04	3-1825138-9
A208TZQ04	4-1825138-0
A208SDCQ04	4-1825138-1 PRELIMINARY
A201P3V30G04	4-1825138-2 PRELIMINARY
A203MD9AQ-UL	4-1825138-3 PRELIMINARY
A201MCWCB04	4-1825138-4 PRELIMINARY
A201SCWCB04	4-1825138-5 PRELIMINARY



MATERIALS CHART		
COMPONENT NAME	BASE MATERIAL	
CASE	DAP, RED, UL94 V-0	
FRAME	STAINLESS STEEL	FINISH
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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M. ZITTO
CHK -
APVD -
P. BROUILLETTE
PRODUCT SPEC
—
APPLICATION SPEC
—
MATERIAL - FINISH - WEIGHT -
CUSTOMER DRAWING
A2 00779 C-1825138
SCALE 3:1 SHEET 4 OF 4 REV A5

TE Connectivity
NAME
GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE,
2 POSITION FUNCTIONS (01 & 08)
—
SIZE CAGE CODE DRAWING NO RESTRICTED TO
A2 00779 C-1825138 —
CUSTOMER DRAWING
SCALE 3:1 SHEET 4 OF 4 REV A5

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