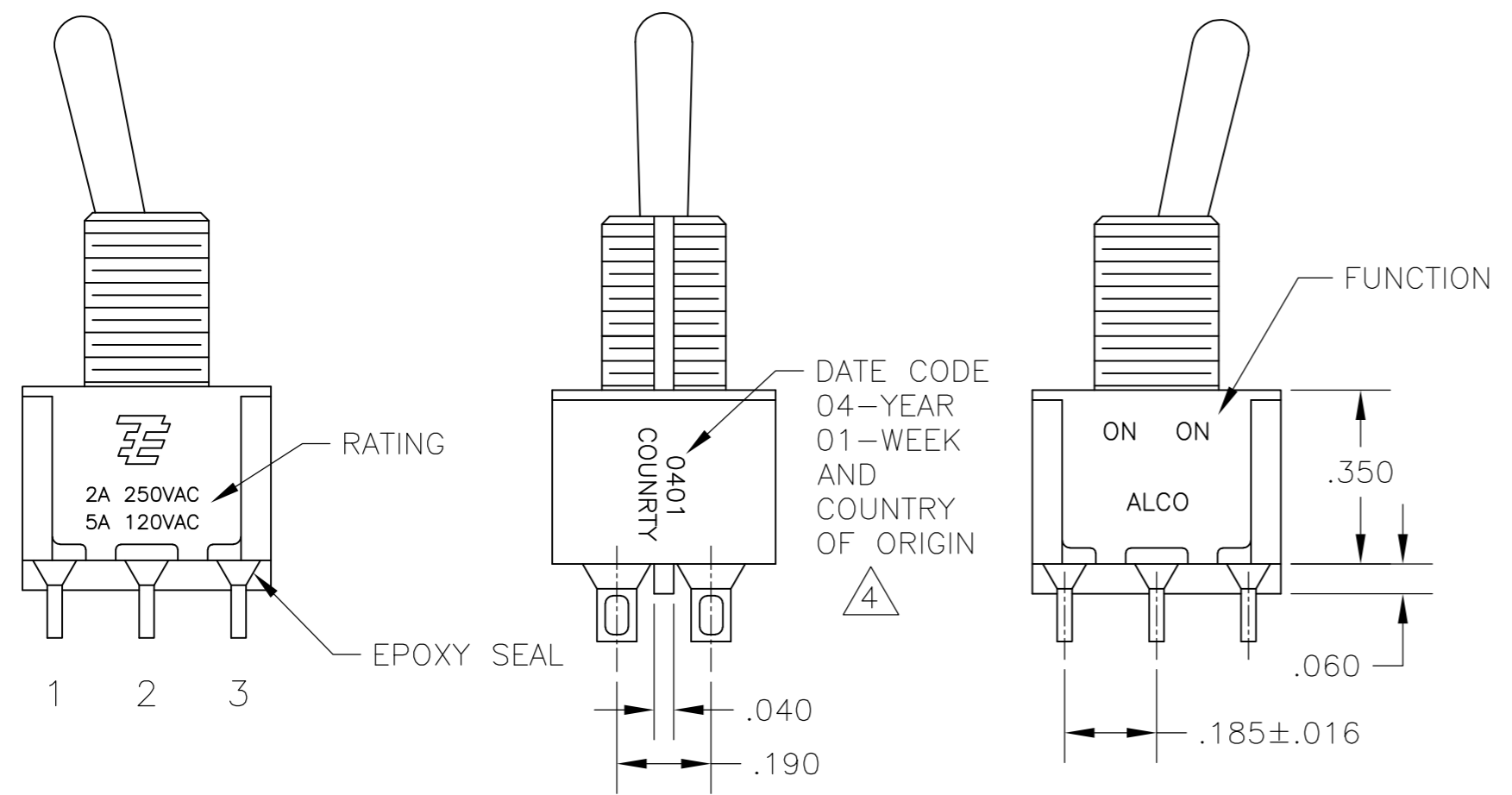
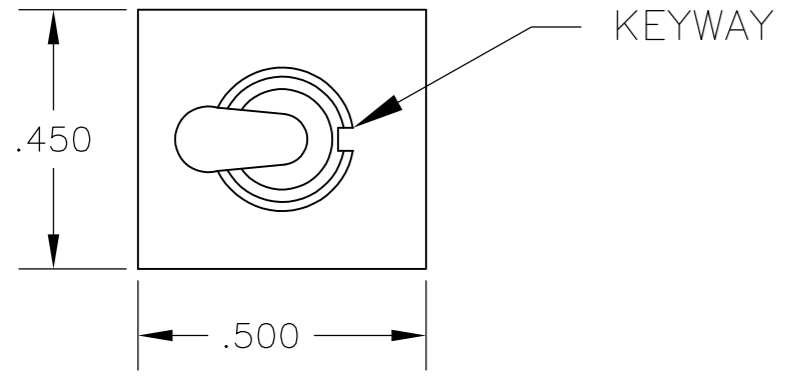


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LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
AD	00	A5	REVISED PER ECO-14-005988	23APR2014	NK	RH	



- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).
- EACH SWITCH WITH THREADED BUSHINGS SUPPLIED WITH THE FOLLWING 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.
- DATE CODE AND COUNTRY OF ORIGIN MAY APPEAR ON EITHER SIDE OF SWITCH.
- 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	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6
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

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

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

EXAMPLE: A201SYCQ04

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO	18MAY05				
DIMENSIONS: INCHES		CHK M. ZITTO	-				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. ZITTO	-	GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08)			
0 PLC ± -		PRODUCT SPEC	-				
1 PLC ± -		APPLICATION SPEC	-	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
2 PLC ± -		WEIGHT	-	A2	00779	C=1825138	-
3 PLC ± .010		CUSTOMER DRAWING		SCALE	SHEET	REV	
4 PLC ± -				3:1	1 of 4	A5	
ANGLES ± 2°							
FINISH							

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

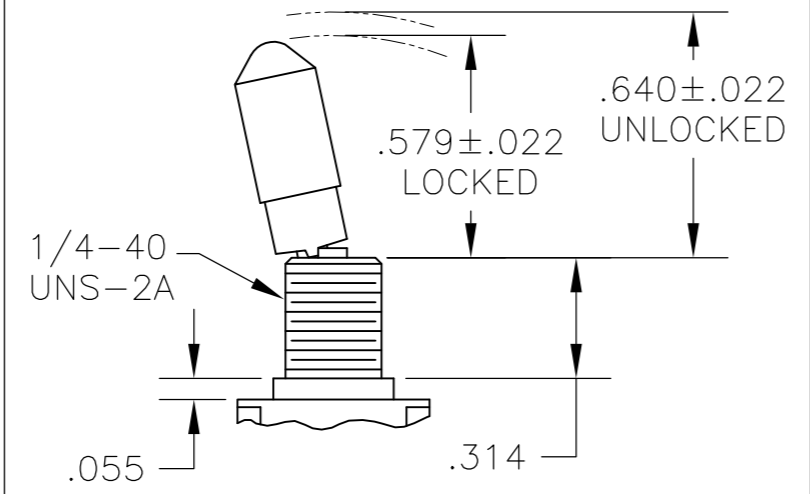
# TOGGLES



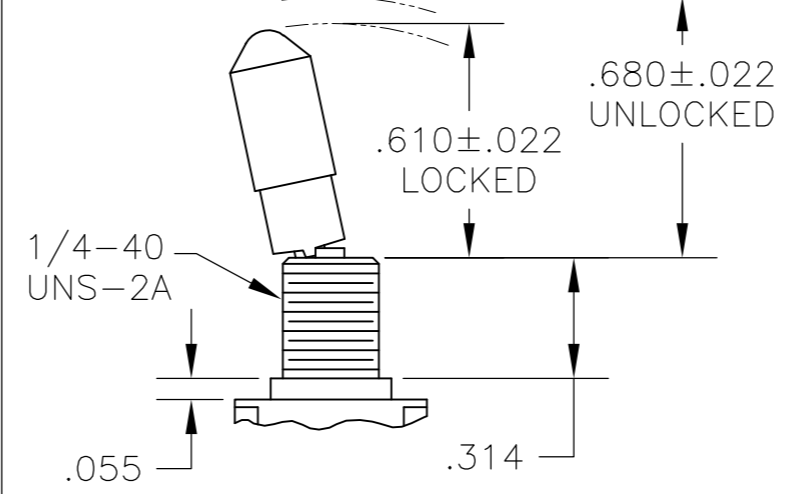
**M** SHORT



**S** STANDARD



**K** NO BUSHING OPTION NEEDED



**K1** NO BUSHING OPTION NEEDED



**L** LEVER



**L1** LEVER



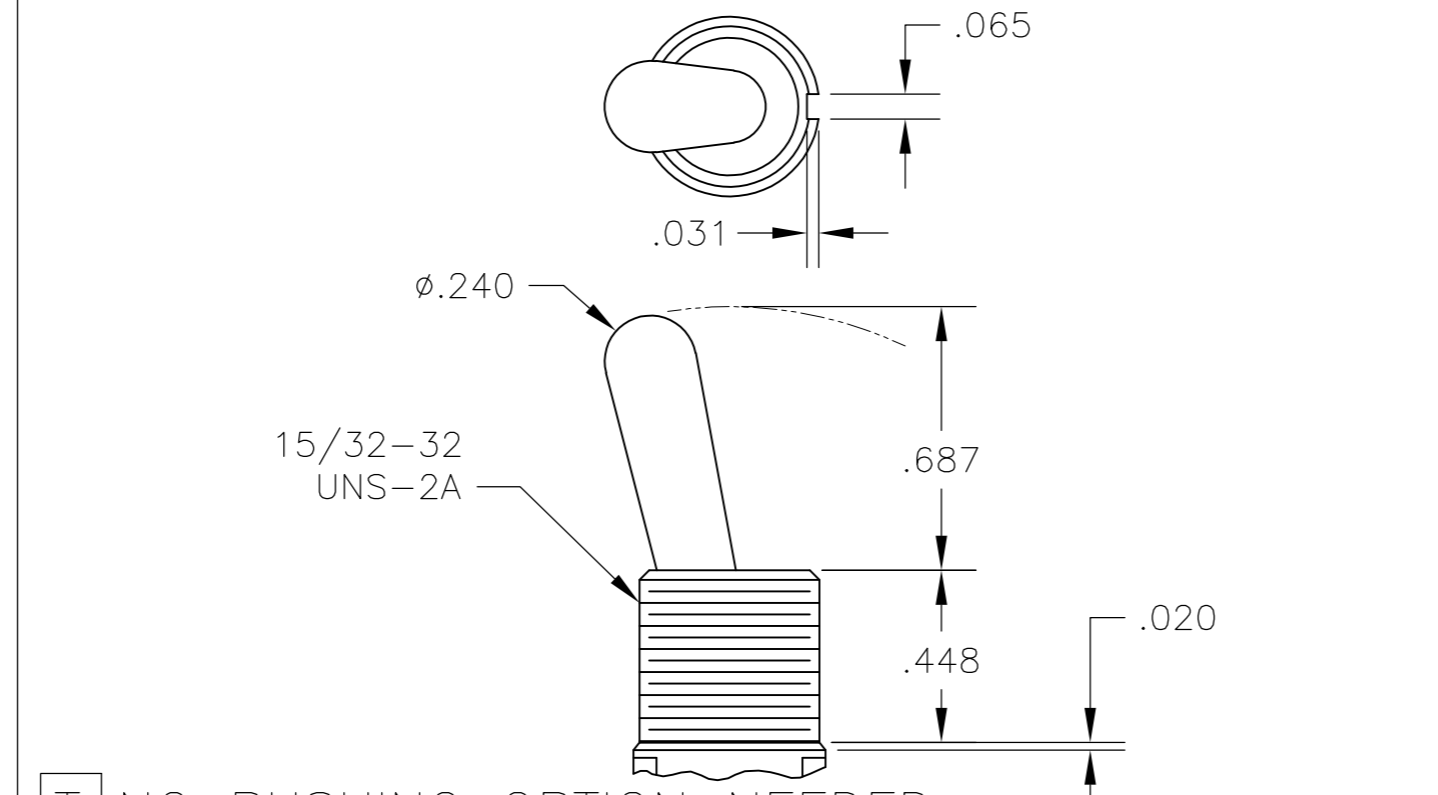
**L2** LEVER

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

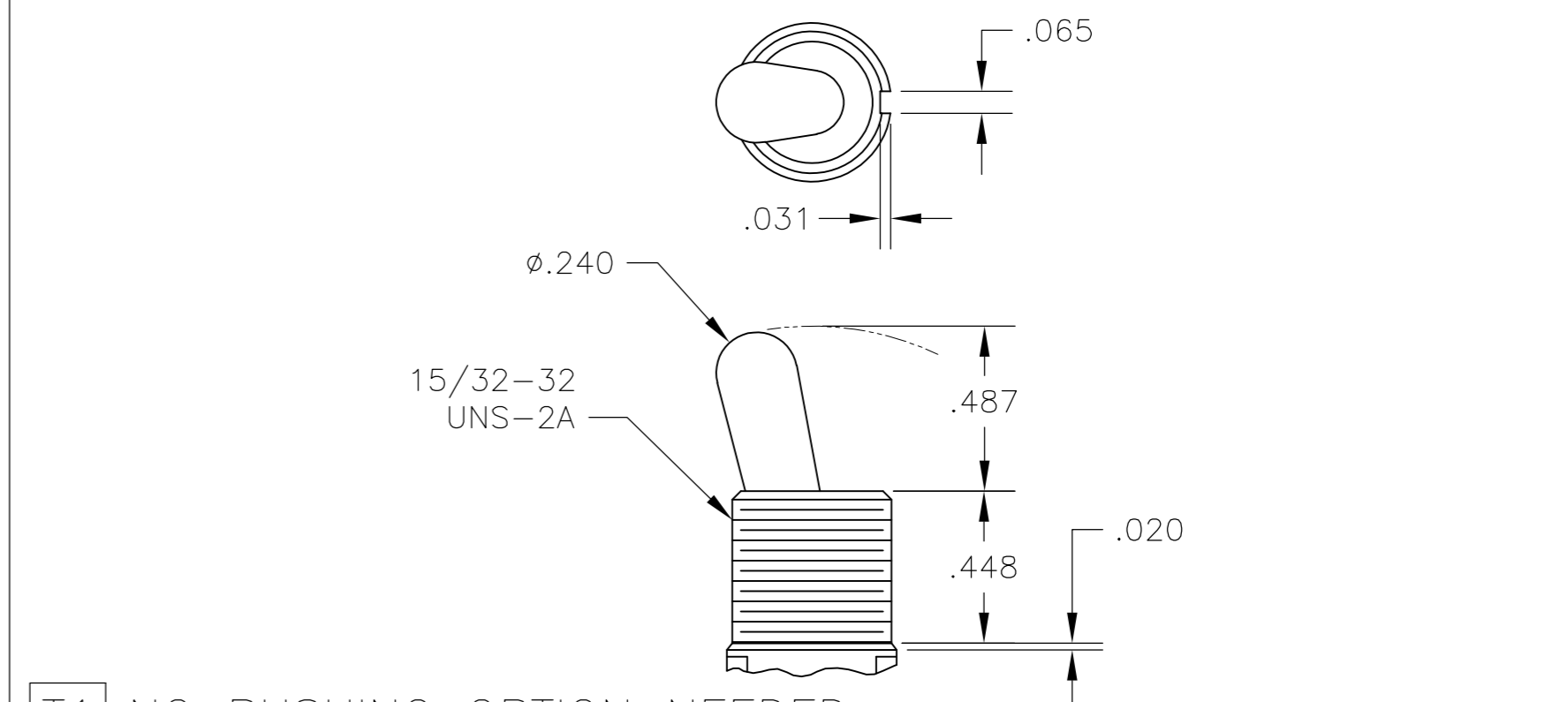
DIM L	BUSHING TYPE	DIM L	BUSHING TYPE	DIM L	BUSHING TYPE
.840	Y, H	.640	Y, H	.550	Y, H
.910	D, D9	.710	D, D9	.620	D, D9



**P3** NO BUSHING OPTION NEEDED



**T** NO BUSHING OPTION NEEDED



**T1** NO BUSHING OPTION NEEDED

# 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

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

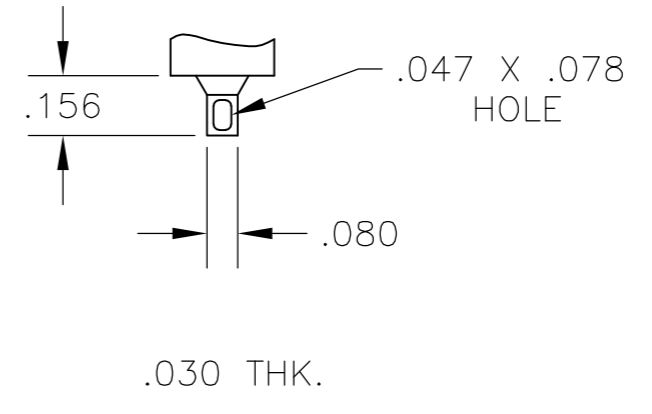
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LOC		DIST		REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN	APVD			
AD	00	SEE SHEET 1	-	-	-			

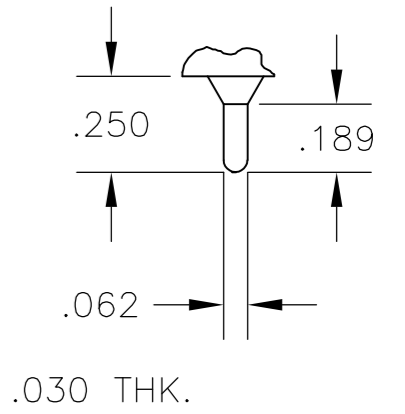


RECOMMENDED PCB LAYOUT

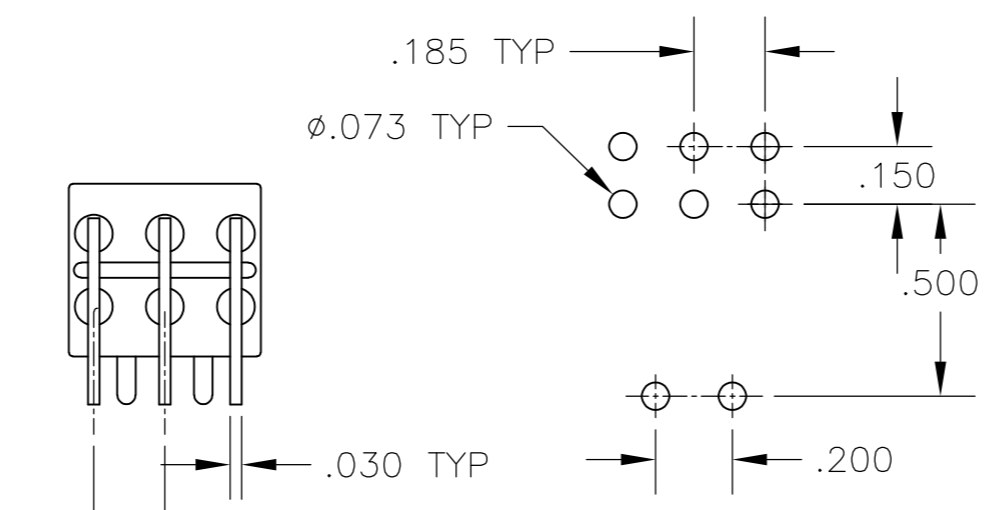
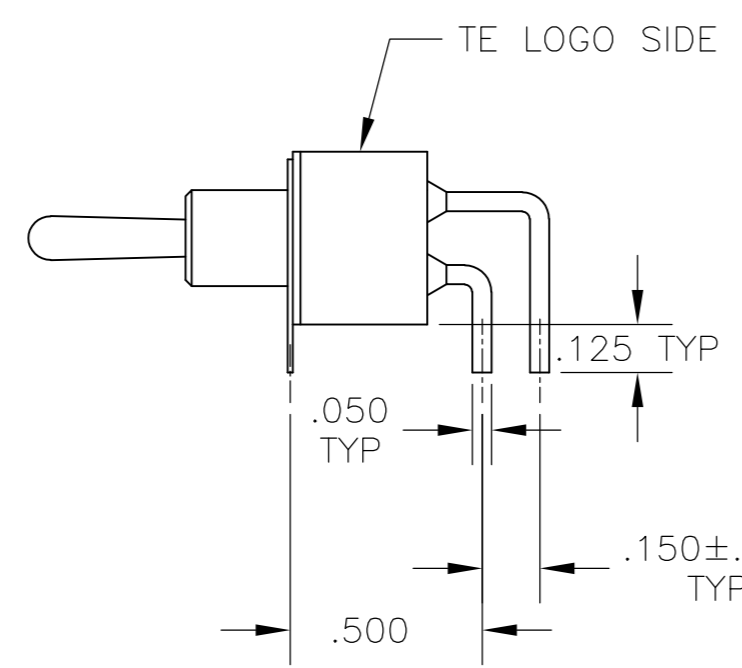
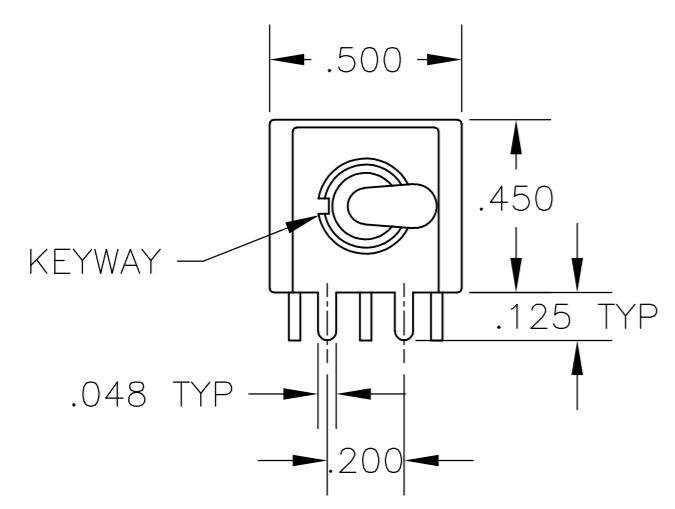
AV2 VERTICAL RIGHT ANGLE  $\triangle 5$



Z WIRE LUG



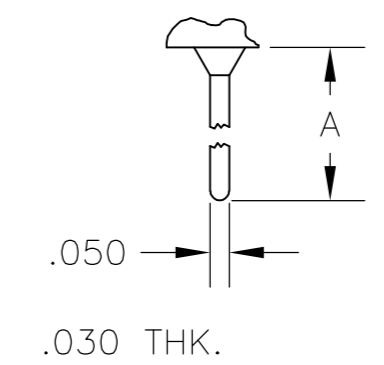
Z3 QUICK CONNECT



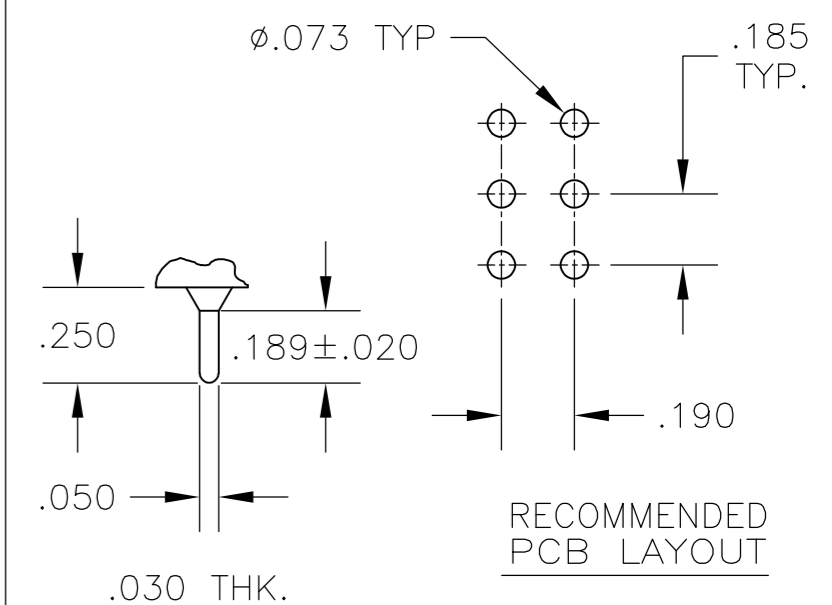
RECOMMENDED PCB LAYOUT

A RIGHT ANGLE  $\triangle 5$

OPTION	DIM A
W	.736
W4	1.062

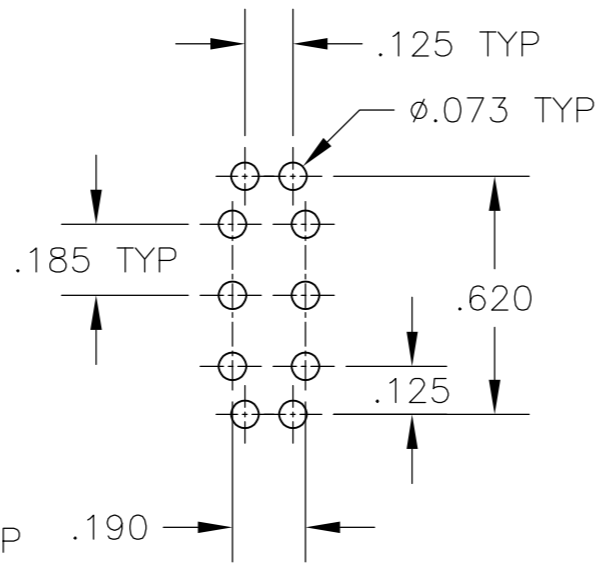
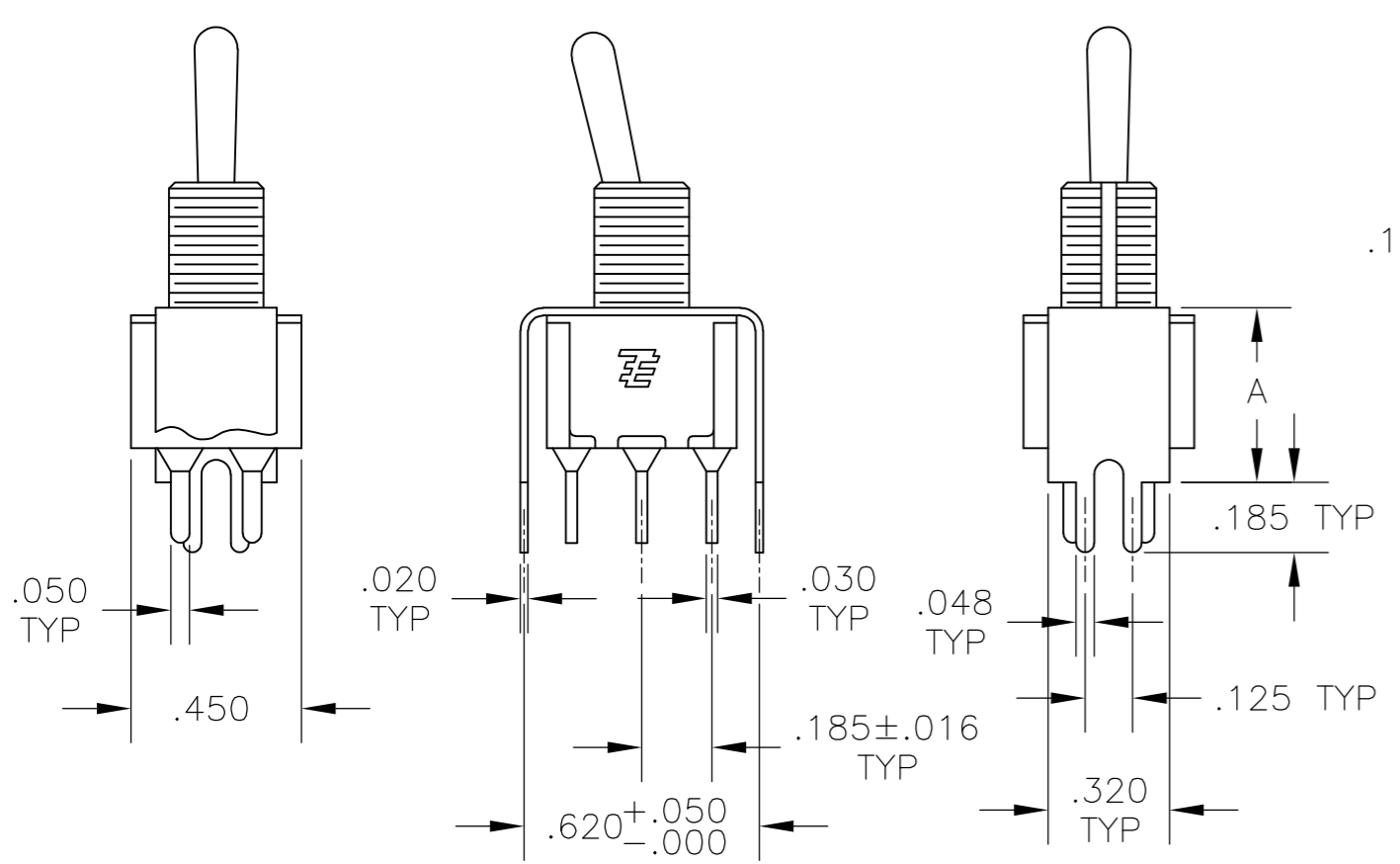


W W4 WIRE WRAP



RECOMMENDED PCB LAYOUT

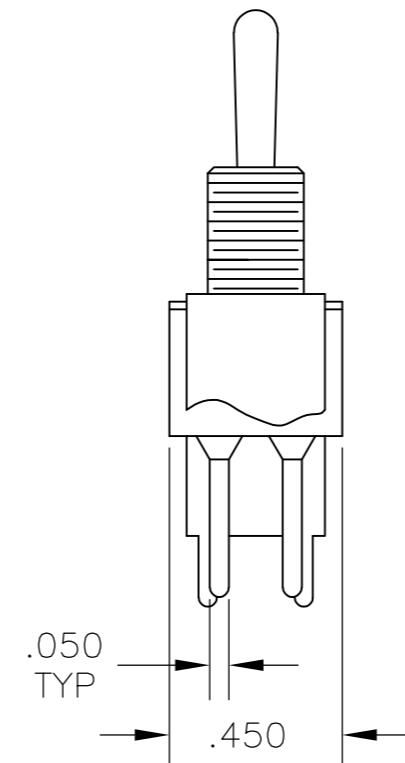
C PRINTED CIRCUIT



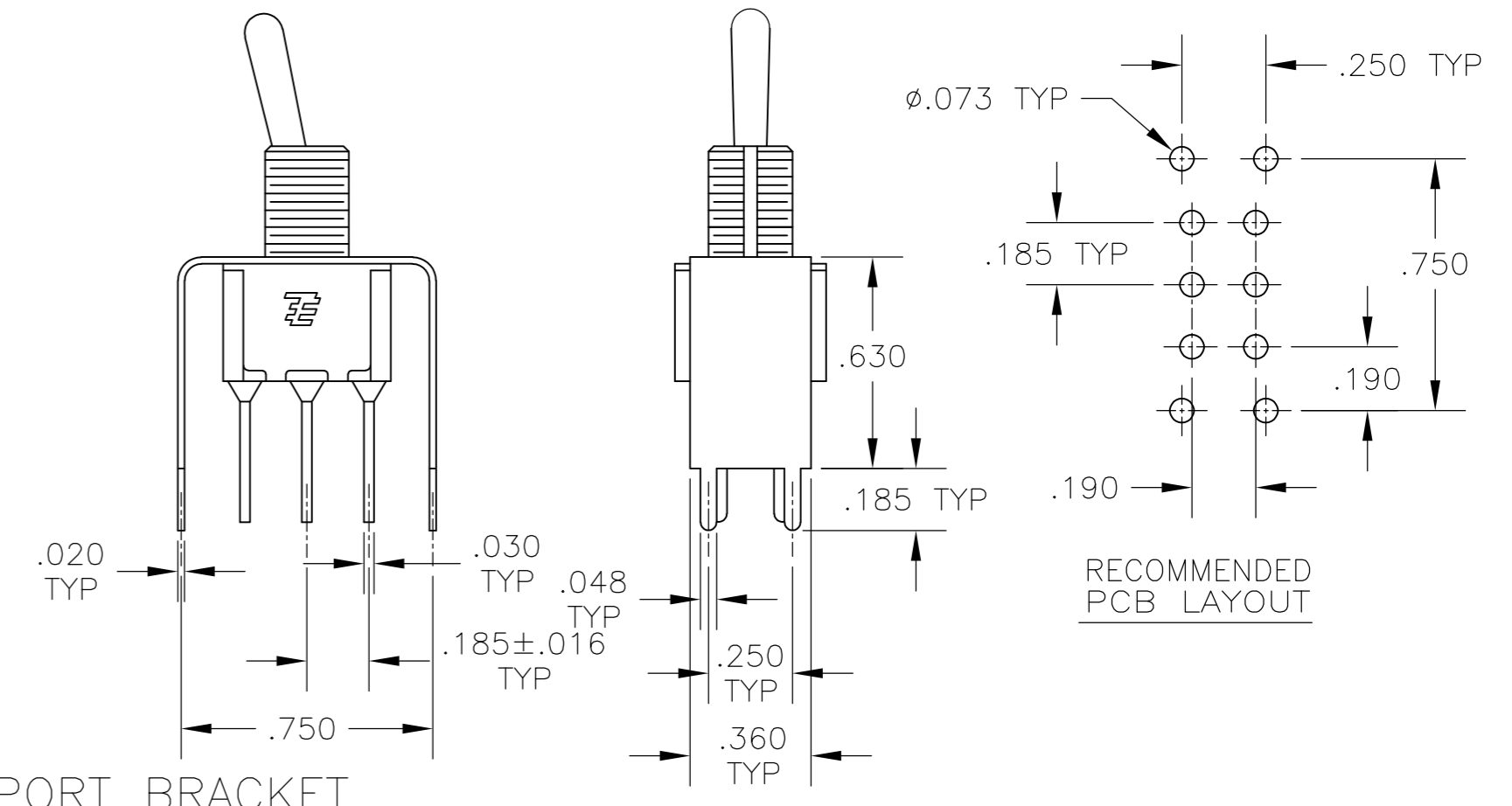
RECOMMENDED PCB LAYOUT

OPTION	DIM A
V30	.460
V40	.630

V30 V40  $\triangle 5$   
 VERTICAL SUPPORT BRACKET



V70  
 VERTICAL SUPPORT BRACKET



RECOMMENDED PCB LAYOUT

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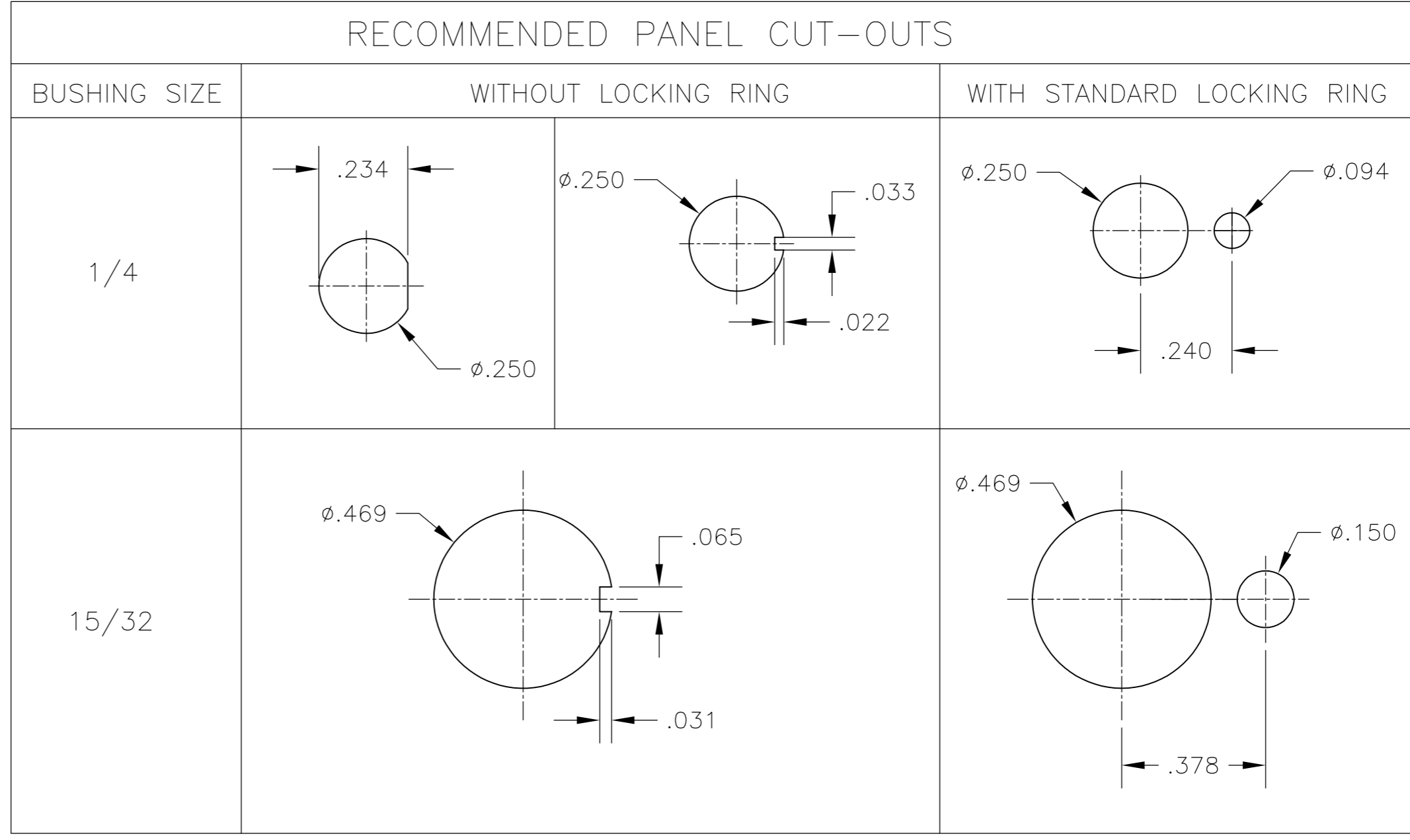
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN: M. ZITTO	14APR05
	0 PLC ± -	CHK: M. ZITTO	-
	1 PLC ± -	APVD: P. BROUILLETTE	-
	2 PLC ± -	PRODUCT SPEC	-
	3 PLC ± .010	APPLICATION SPEC	-
	4 PLC ± -	WEIGHT	-
	ANGLES ± -	CUSTOMER DRAWING	-
MATERIAL	FINISH	SIZE: A2	CAGE CODE: 00779
		DRAWING NO: C=1825138	RESTRICTED TO: -
		SCALE: 2:1	SHEET: 3 of 4
			REV: A5

TE Connectivity  
 GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08)

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

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	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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DWN	M. ZITTO	14APR05	<b>STE</b> TE Connectivity	
CHK	M. ZITTO	-		
APVD	P. BROUILLETTE	-		
PRODUCT SPEC				
APPLICATION SPEC			NAME	GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08)
WEIGHT	-		SIZE	A2
CUSTOMER DRAWING			CAGE CODE	00779
			DRAWING NO	C=1825138
			RESTRICTED TO	-
			SCALE	3:1
			SHEET	4 of 4
			REV	A5

1825138