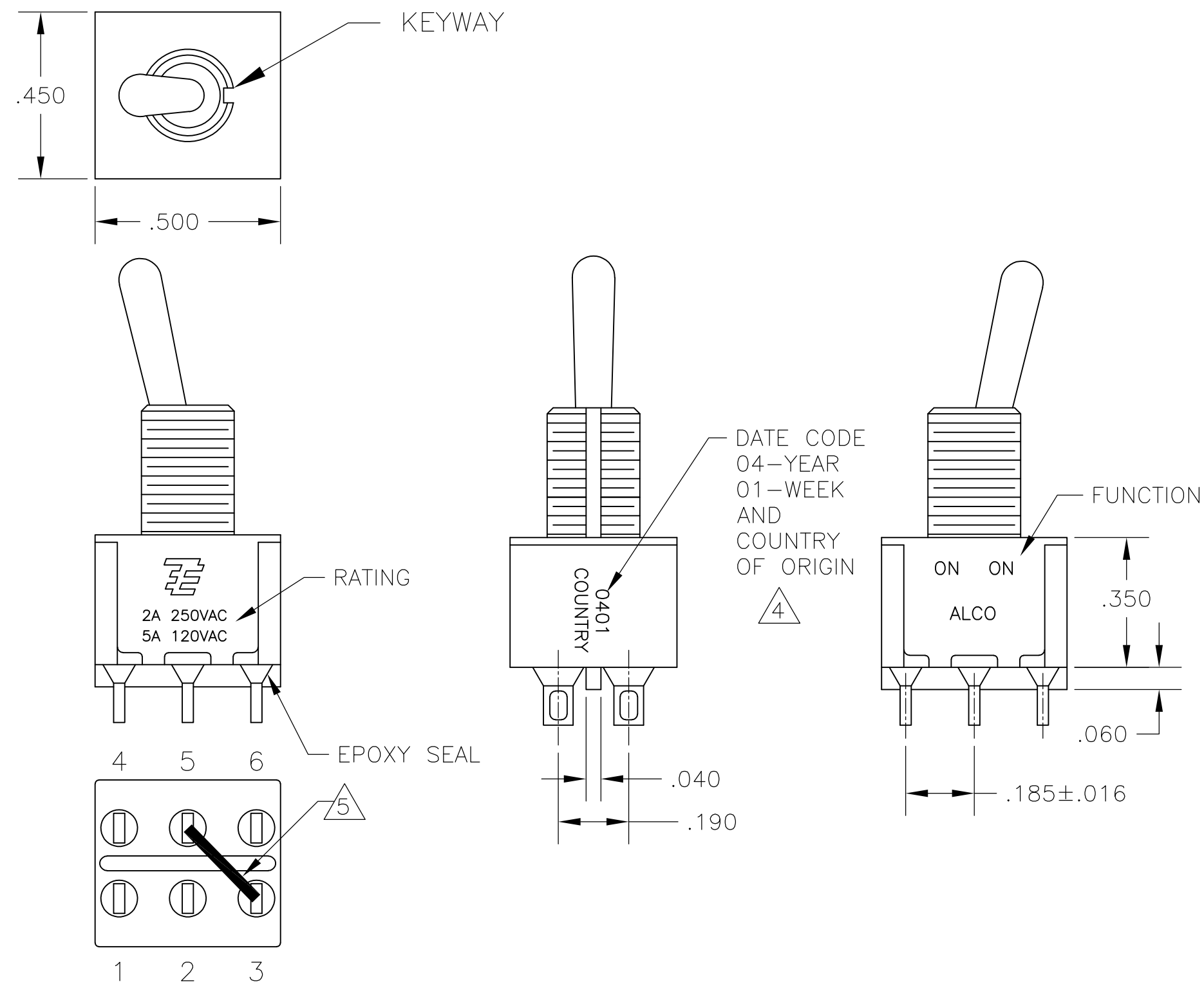
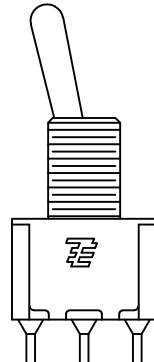
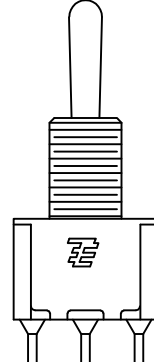
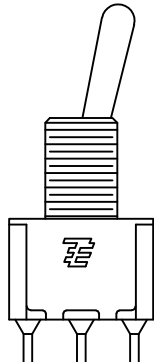
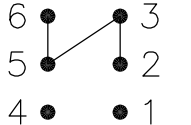
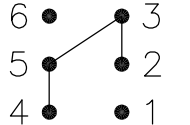
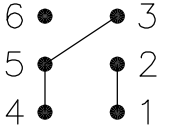




FUNCTION CHART			
FUNCTION			
03	ON	OFF	ON
05	(ON)	OFF	(ON)
07	ON	OFF	(ON)
TERMINALS CONNECTED	2-3, 5-6	---	1-2, 4-5
11	ON	ON	ON
13	ON	ON	(ON)
15	(ON)	ON	(ON)
TERMINALS CONNECTED	2-3, 5-6	2-3, 4-5	1-2, 4-5
SP3T SCHEMATIC (11, 13 & 15 ONLY) SEE NOTE 5			
	IN 2, OUT 6	IN 2, OUT 4	IN 2, OUT 1

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

- 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 SP3T FUNCTION ACHIEVED WITH FUNCTIONS 11, 13 & 15 BY CUSTOMER APPLIED JUMPER
BETWEEN TERMINALS 3 AND 5.
- 6 LENGTH OF TOGGLE REDUCED BY .020 WITH A, AV2, V30 OR V40 VERTICAL SUPPORT BRACKET.
- 7 ALL LOGO, RATING, DATE CODE, AND FUNCTION MARKINGS TO BE LASER MARKED.

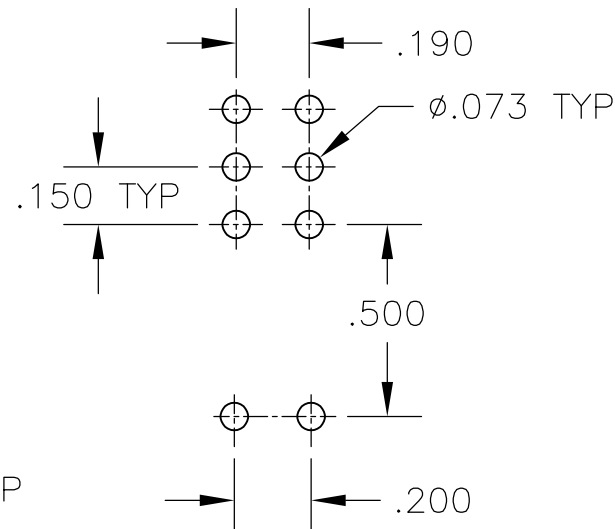
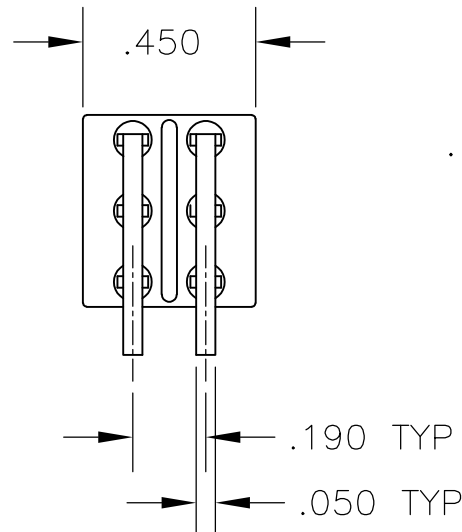
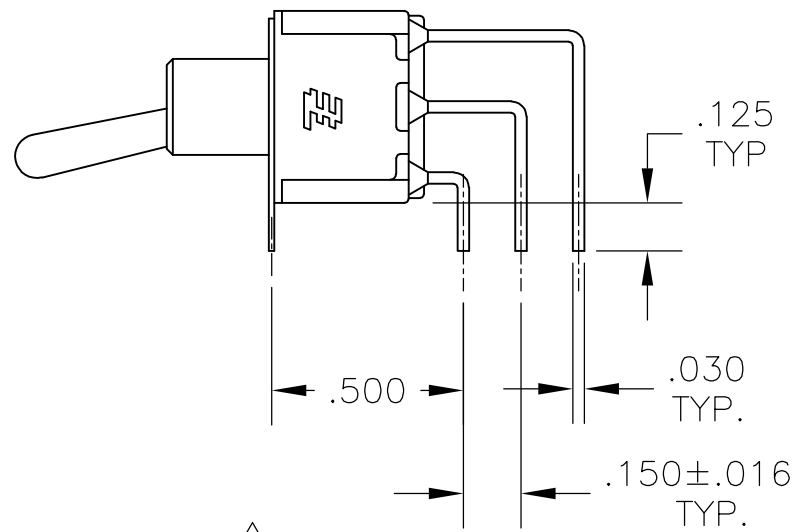
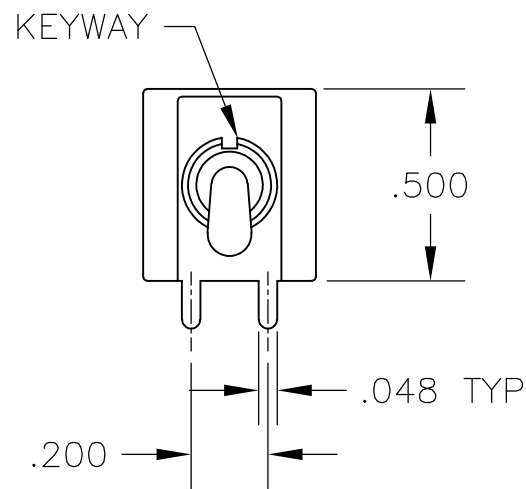
SPECIFICATIONS CHART	
RATING, B CONTACTS	.4VA MAX @20V MAX. AC OR DC
RATING, G CONTACTS—SEE NOTE 3	.4VA MAX @20V MAX. AC OR DC OR
	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
RATING, Q CONTACTS	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
ELECTRICAL LIFE	6,000 CYCLES AT RATED 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	

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

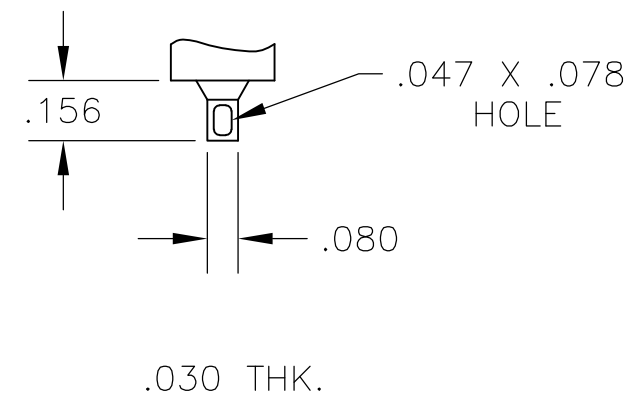
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

D



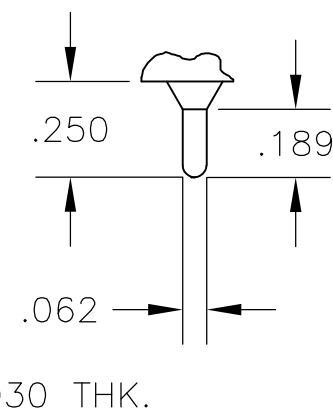
RECOMMENDED
PCB LAYOUT

AV2 VERTICAL RIGHT ANGLE



.030 THK.

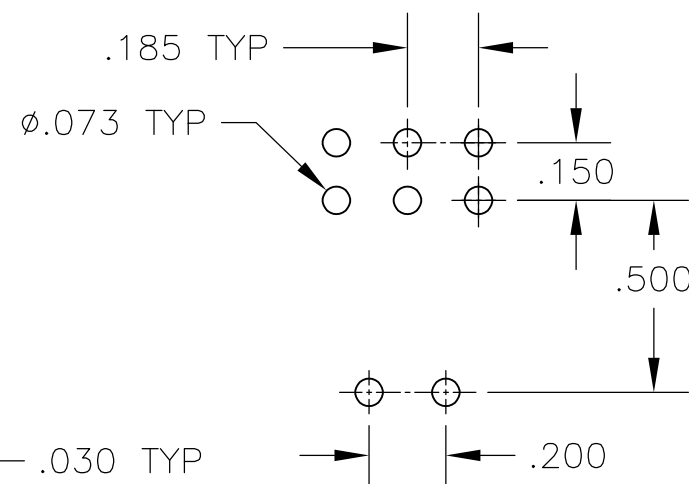
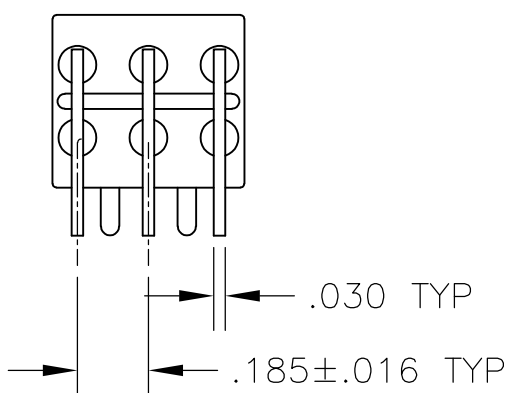
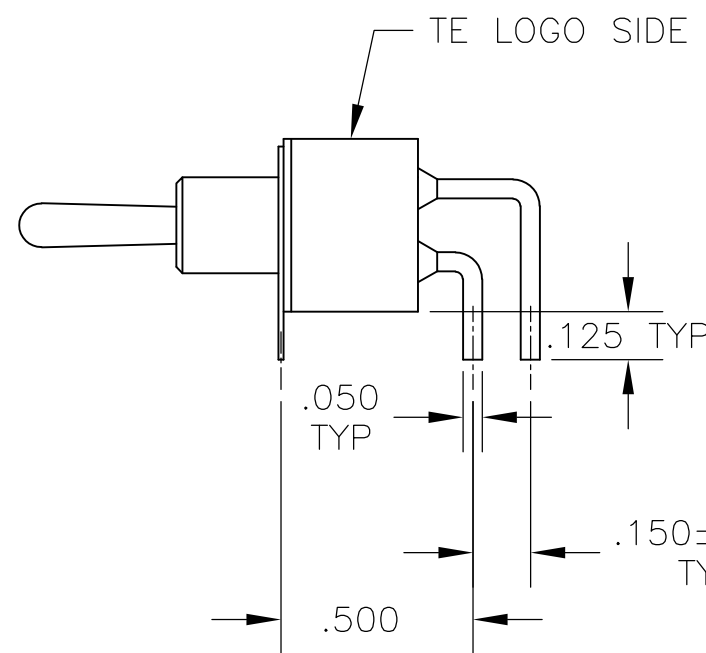
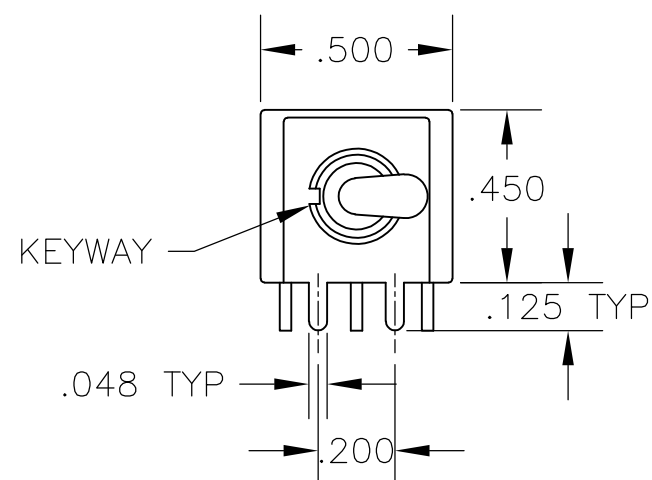
Z WIRE LUG



.030 THK.

Z3 QUICK CONNECT

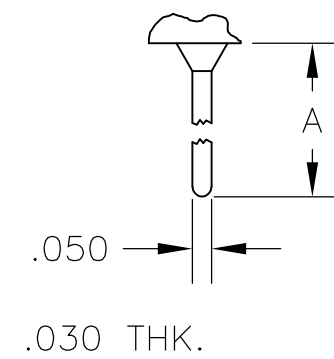
C



RECOMMENDED
PCB LAYOUT

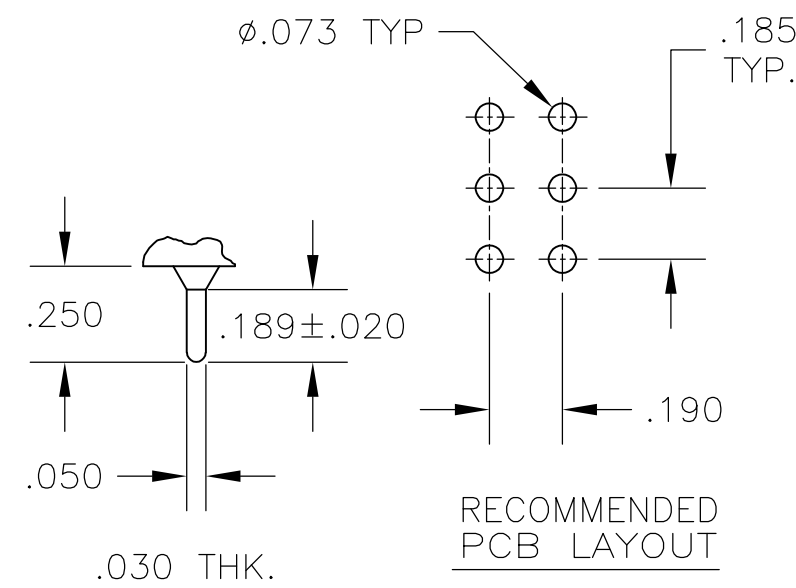
A RIGHT ANGLE

OPTION	DIM A
W	.736
W4	1.062



.030 THK.

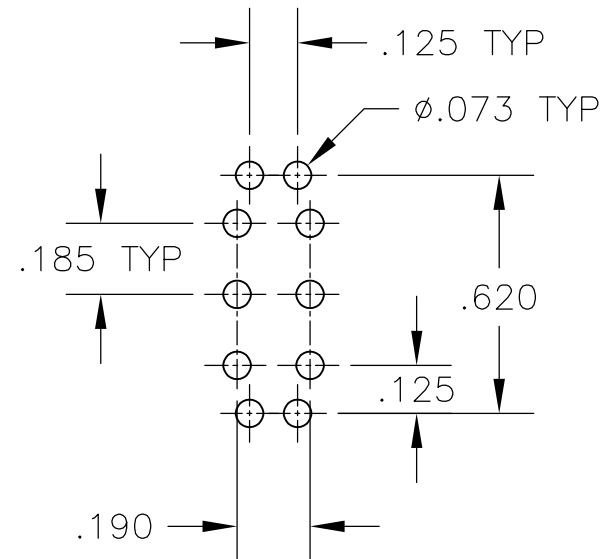
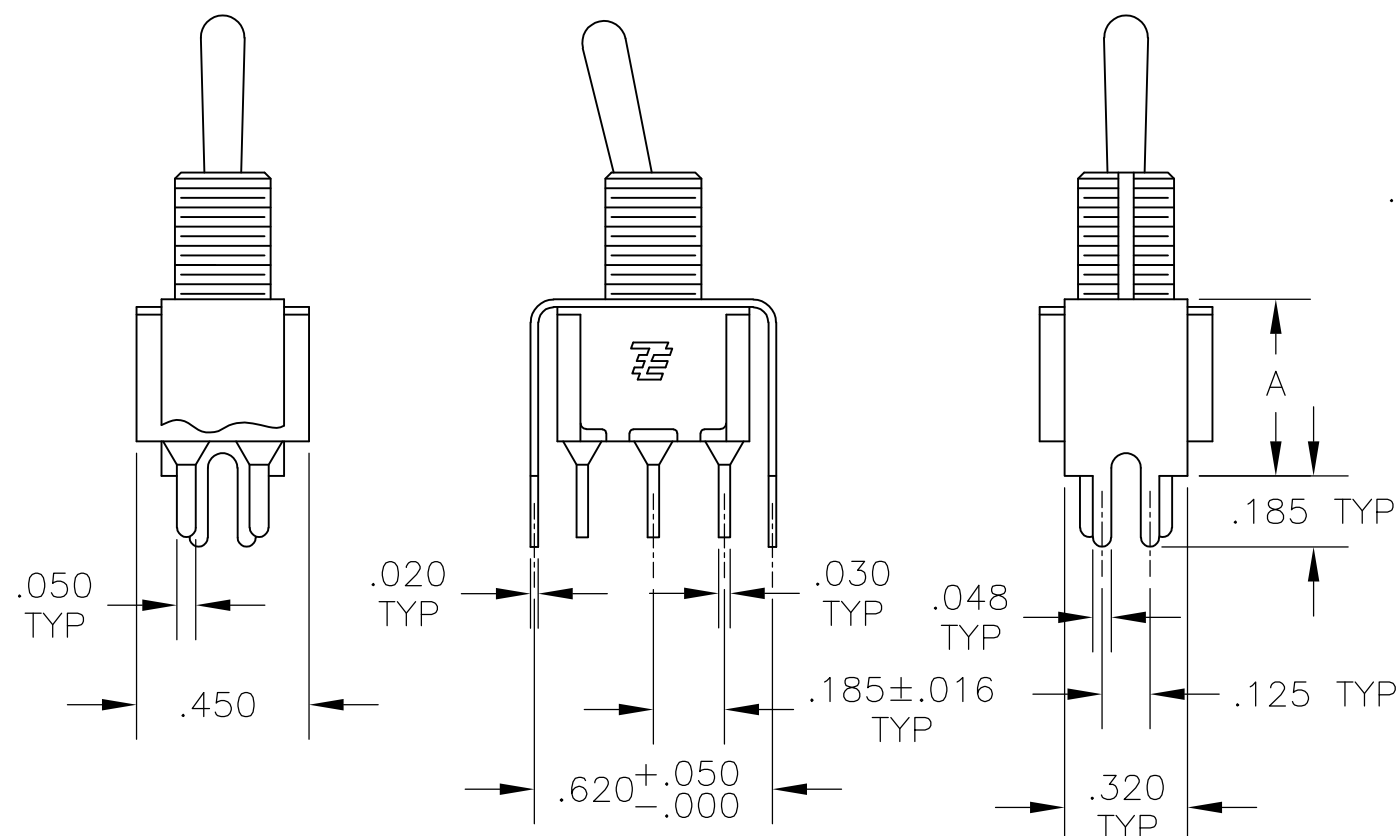
W W4 WIRE WRAP



RECOMMENDED
PCB LAYOUT

C PRINTED CIRCUIT

B



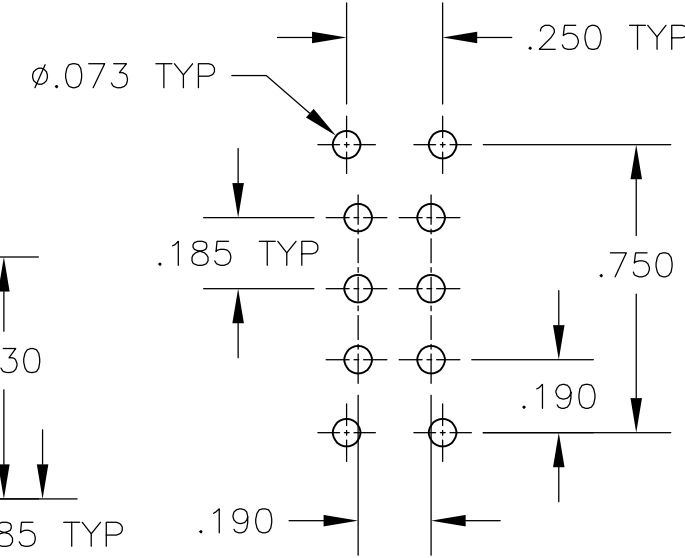
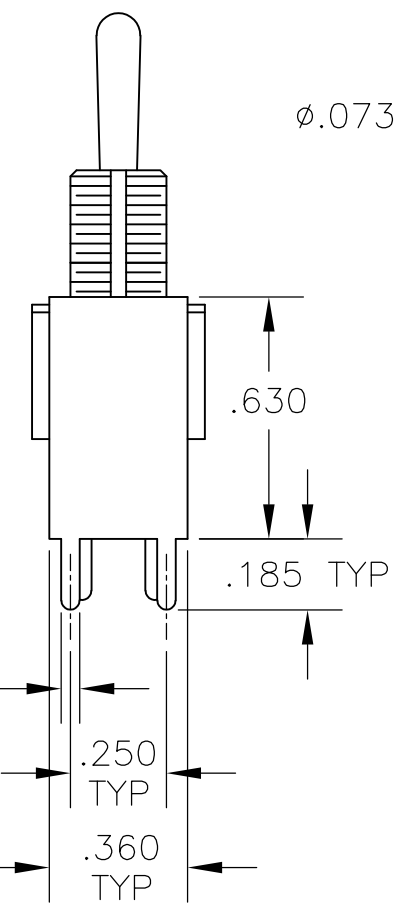
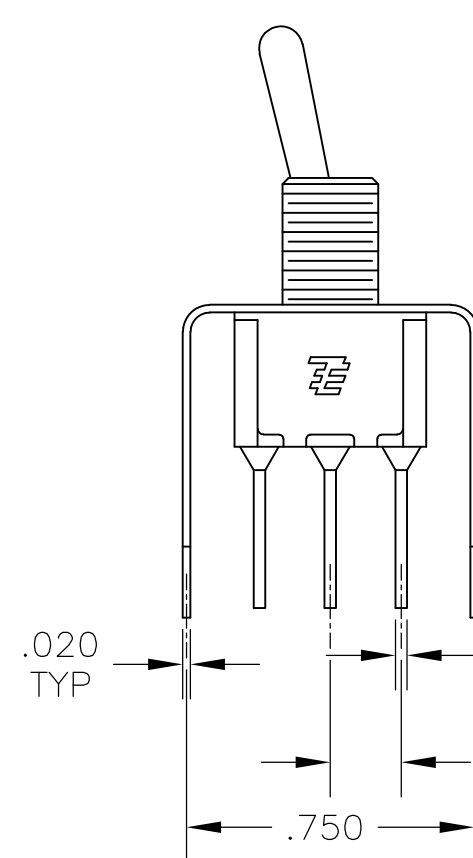
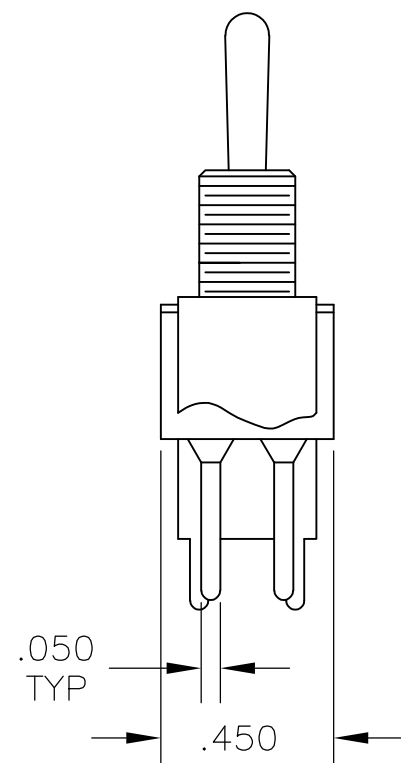
RECOMMENDED
PCB LAYOUT

OPTION	DIM A
V30	.460
V40	.630

V30 V40
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	CAGE CODE
0 PLC ± -			WEIGHT	-	A2	00779
1 PLC ± -			CUSTOMER DRAWING		SCALE	2:1
2 PLC ± -			SHEET 3 of 4		REV	A5
3 PLC ± .010						
4 PLC ± -						
ANGLES ± 2°						
FINISH						

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