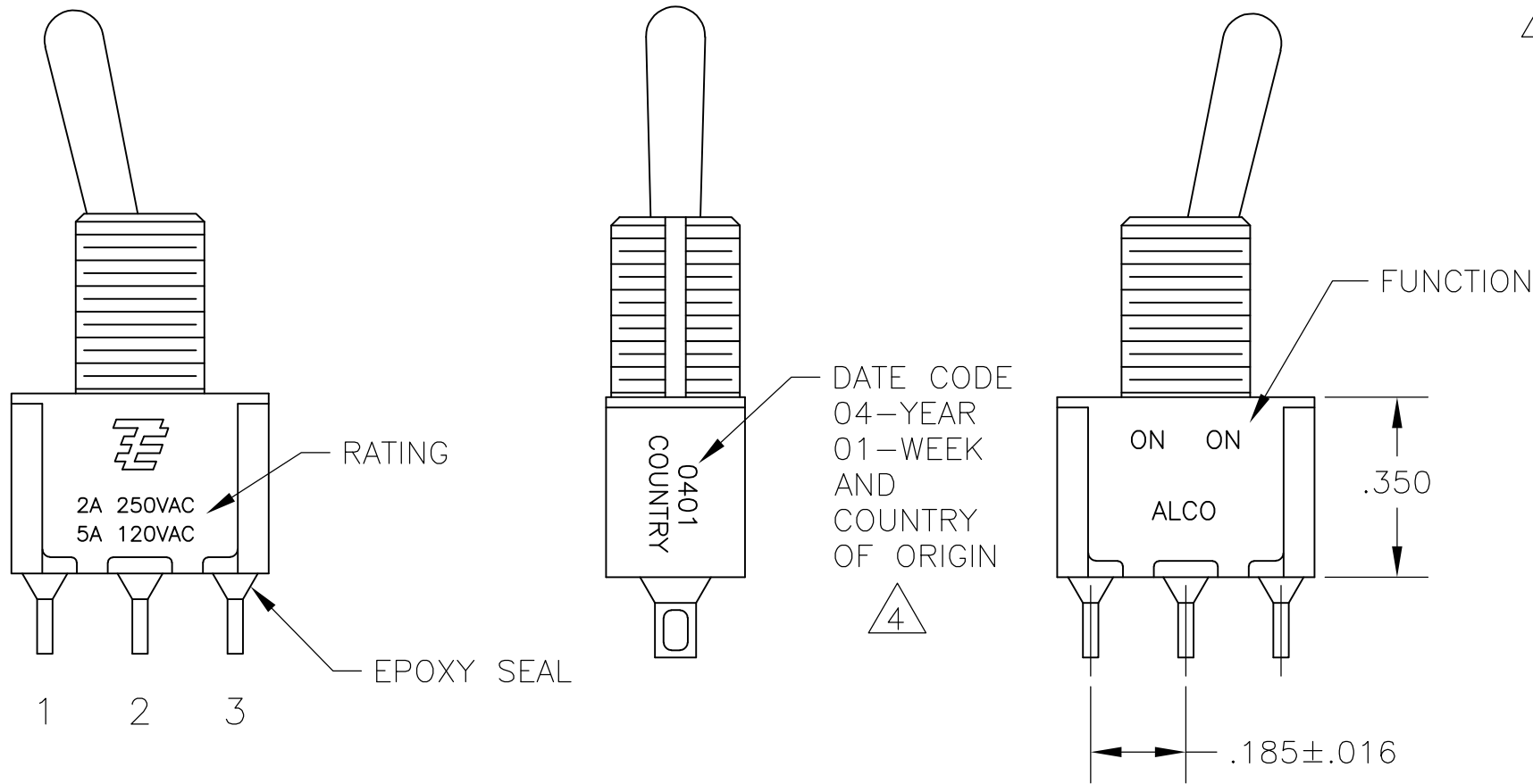
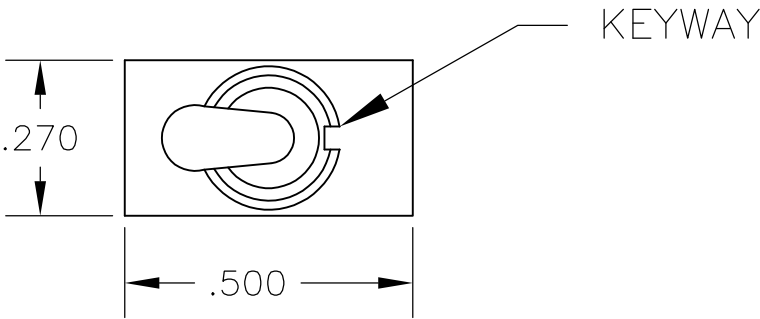


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
AD	00		A7	REVISED PER ECO-14-005988	23APR2014	NK	RH

- 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 FOLLWING 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.

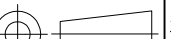


SPECIFICATIONS CHART	
RATING, B CONTACTS	.4VA MAX @20V MAX. AC OR DC
RATING, G CONTACTS—SEE NOTE 3	.4VA MAX @20V MAX. AC OR DC OR 5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
RATING, Q CONTACTS	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
ELECTRICAL LIFE	6,000 CYCLES AT RATED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

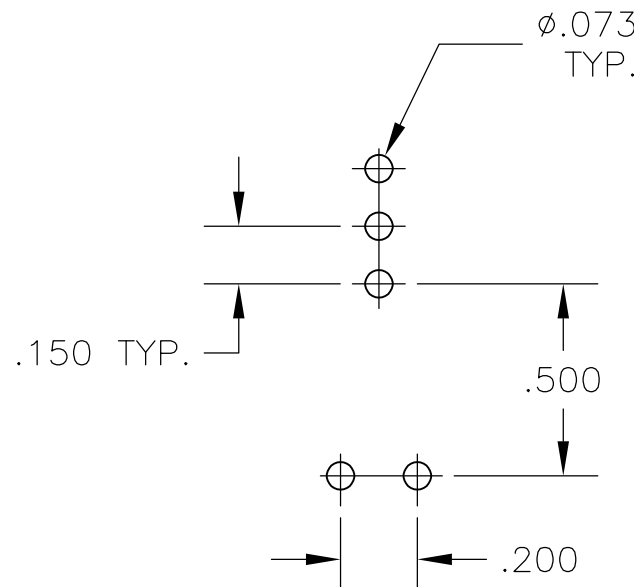
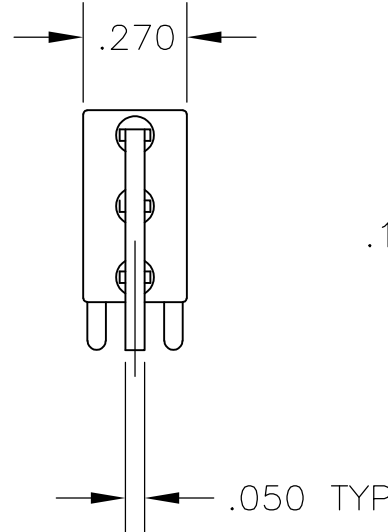
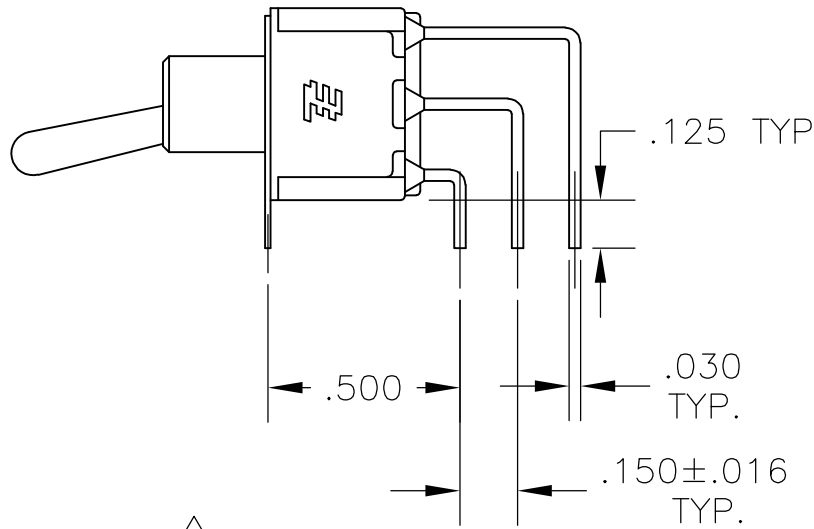
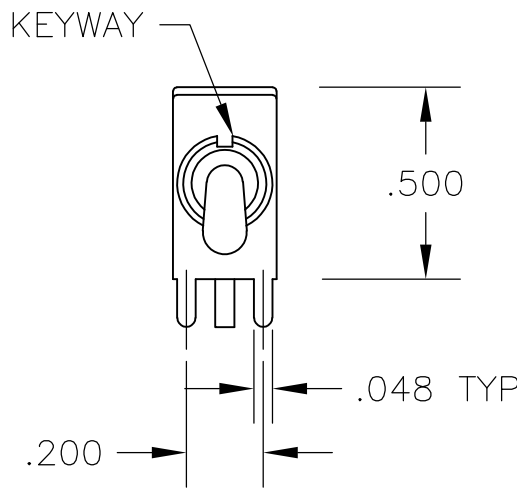
FUNCTION CHART			
FUNCTION	1 2 3	1 2 3	1 2 3
03	ON	OFF	ON
05	(ON)	OFF	(ON)
07	ON	OFF	(ON)
TERMINALS CONNECTED	2–3	---	1–2
None: No mechanical position Off: Mechanical position with no electrical connection (On): Momentary action			

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				

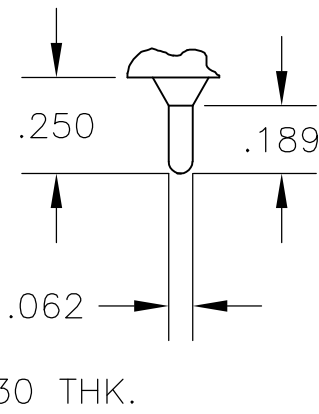
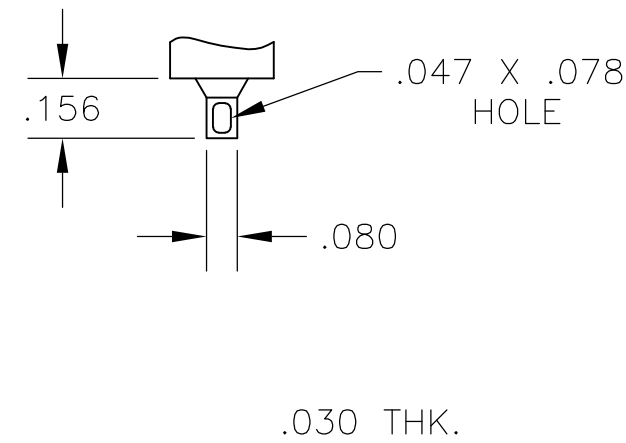
EXAMPLE: A103SYCQ04

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO	18MAY05	 TE Connectivity				
DIMENSIONS: INCHES		CHK M. ZITTO	-					
		APVD M. ZITTO	-	NAME GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE, 3 POSITION FUNCTIONS (03, 05 & 07)				
		PRODUCT SPEC -						
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .010 4 PLC ± - ANGLES ± 2°		-		A2	00779	C=1825137	-	
MATERIAL -		FINISH -		WEIGHT -				
CUSTOMER DRAWING						SCALE 3:1	SHEET 1 of 4	REV A7

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



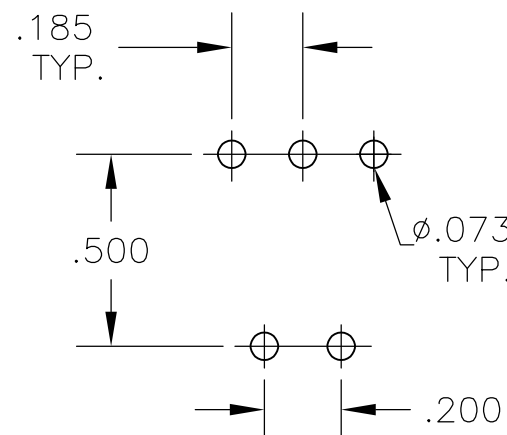
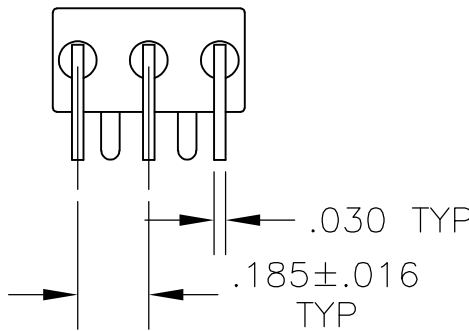
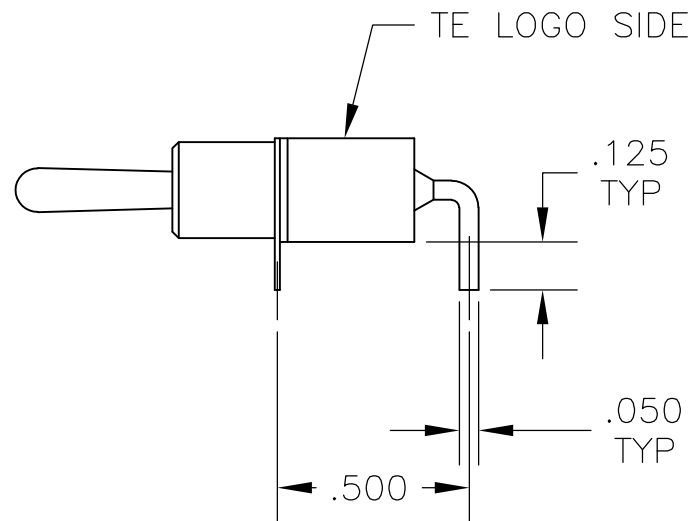
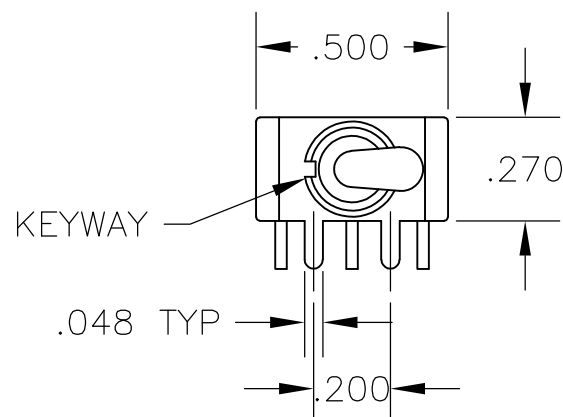
RECOMMENDED
PCB LAYOUT



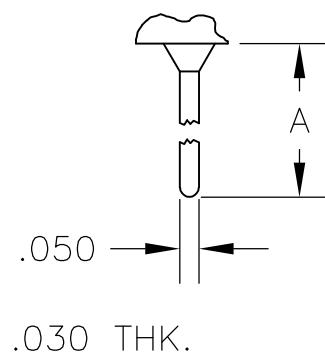
AV2 VERTICAL RIGHT ANGLE 5

Z WIRE LUG

Z3 QUICK CONNECT



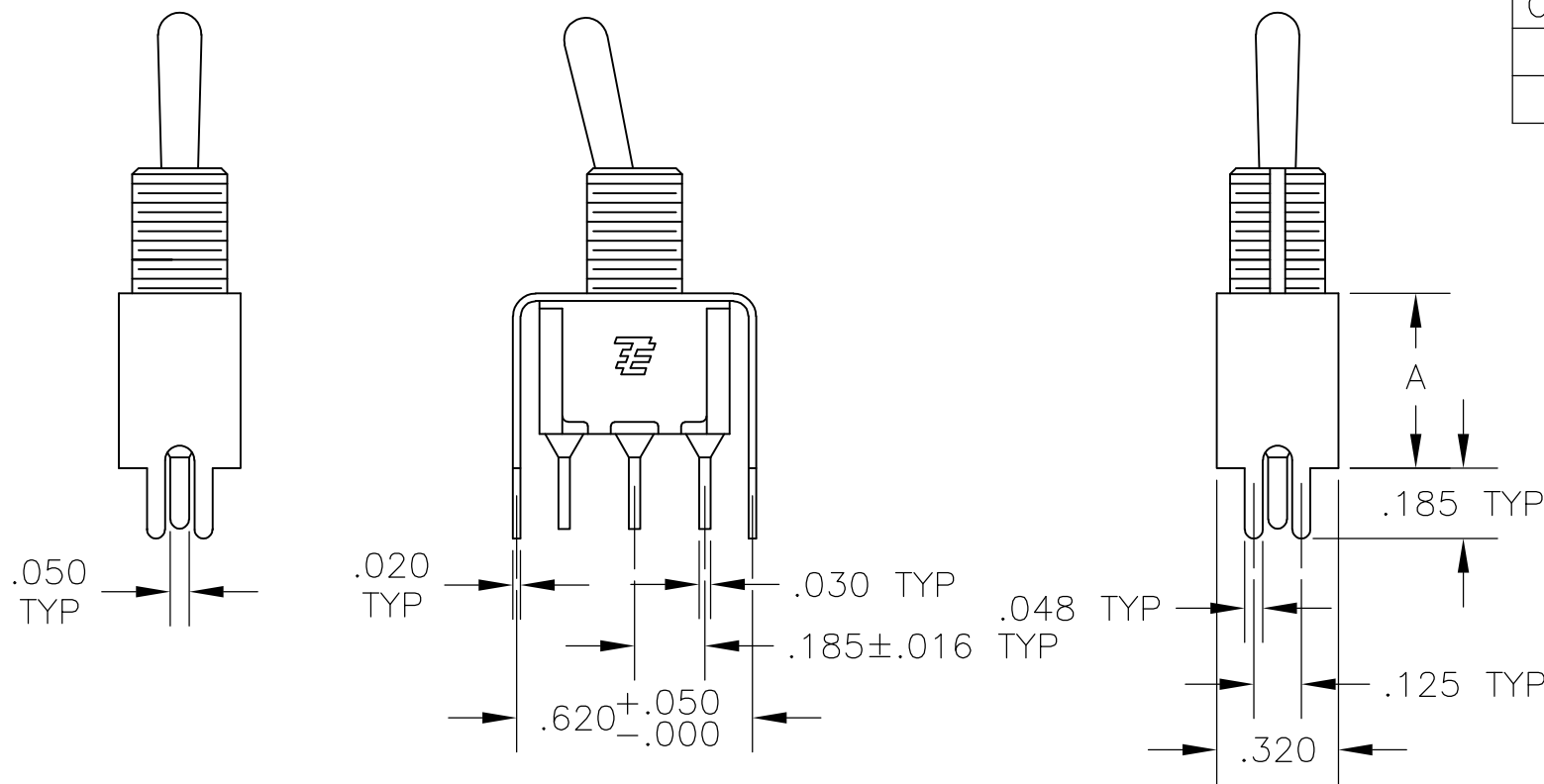
RECOMMENDED
PCB LAYOUT



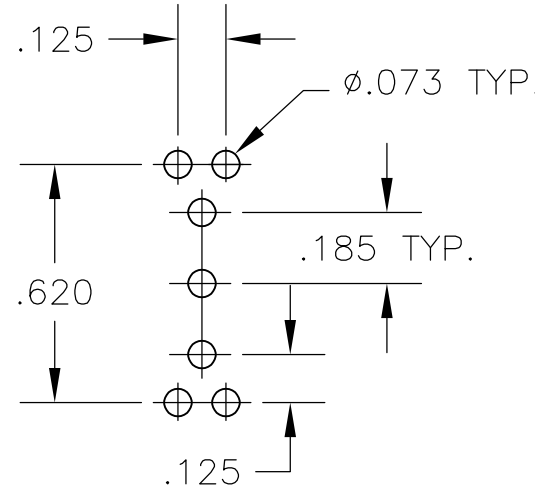
OPTION	DIM A
W	.736
W4	1.062

A RIGHT ANGLE 5

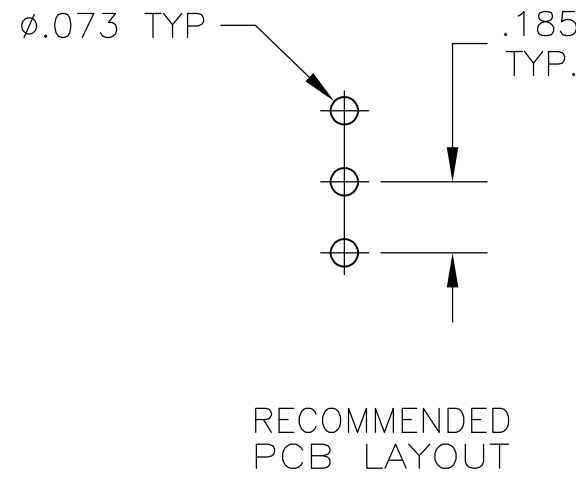
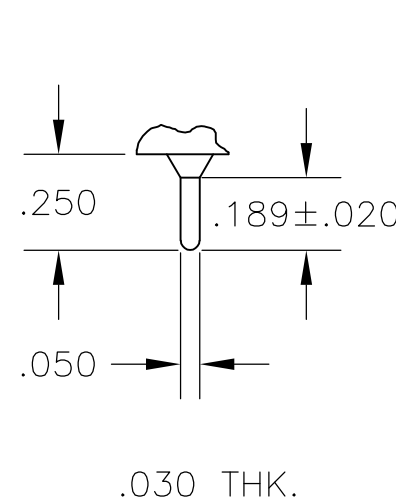
W W4 WIRE WRAP



OPTION	DIM A
V30	.460
V40	.630



RECOMMENDED
PCB LAYOUT



V30 V40 5
VERTICAL SUPPORT BRACKET

C PRINTED CIRCUIT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO	18MAY05	TE Connectivity		
DIMENSIONS: INCHES		CHK M. ZITTO	-			
		APVD M. ZITTO	-	NAME GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE, 3 POSITION FUNCTIONS (03, 05 & 07)		
		PRODUCT SPEC	-			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	-	SIZE	CAGE CODE	DRAWING NO
0 PLC	± .	-	-	A2	00779	C=1825137
1 PLC	± .	-	-	SCALE	2:1	SHEET 3 of 4
2 PLC	± .	-	-	CUSTOMER DRAWING	-	REV A7
3 PLC	± .010	-	-	RESTRICTED TO		
4 PLC	± .	-	-	-		
ANGLES	± 2°	-	-	-		
FINISH	-	-	-	-		

Mouser Electronics

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