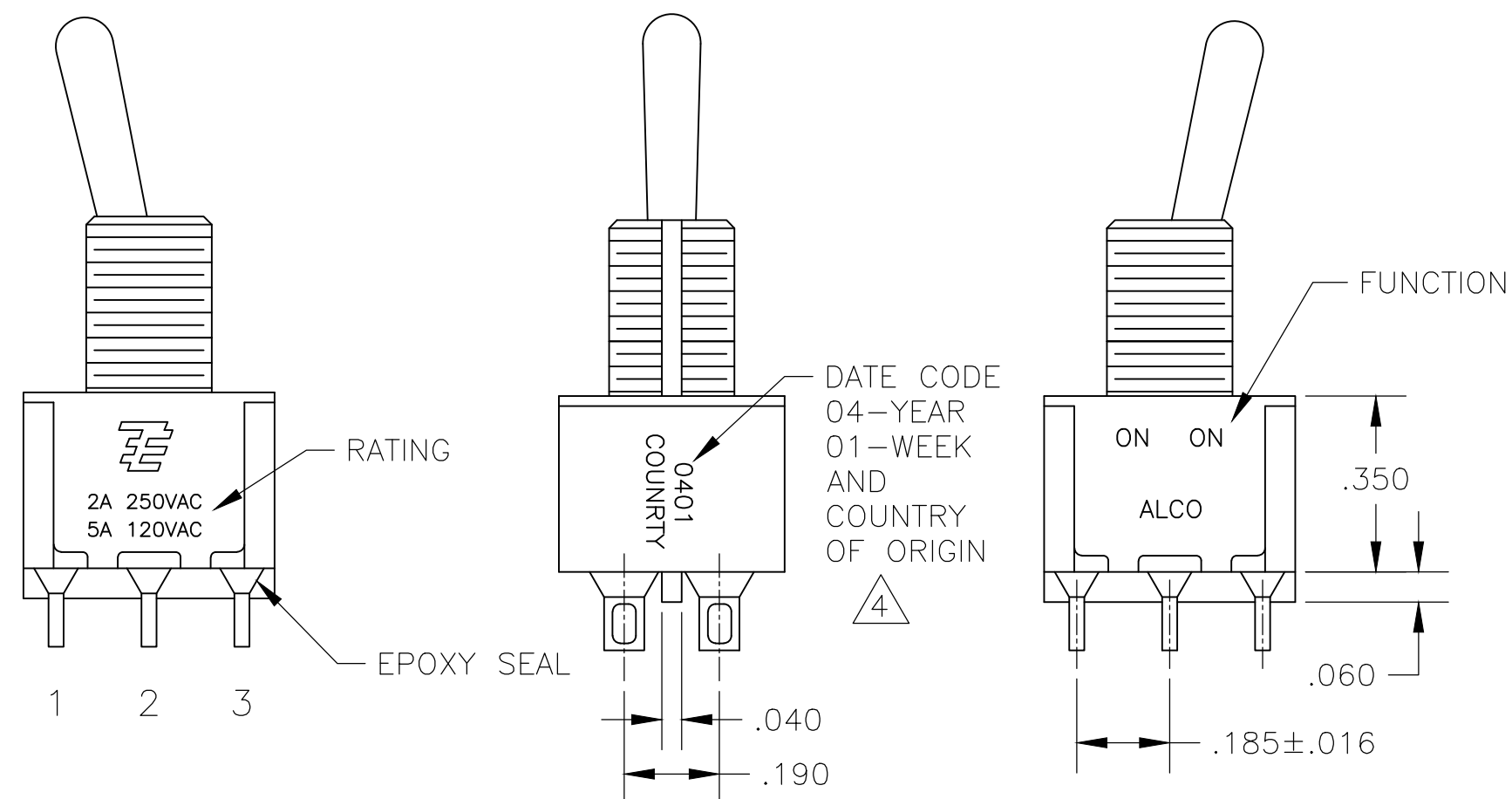
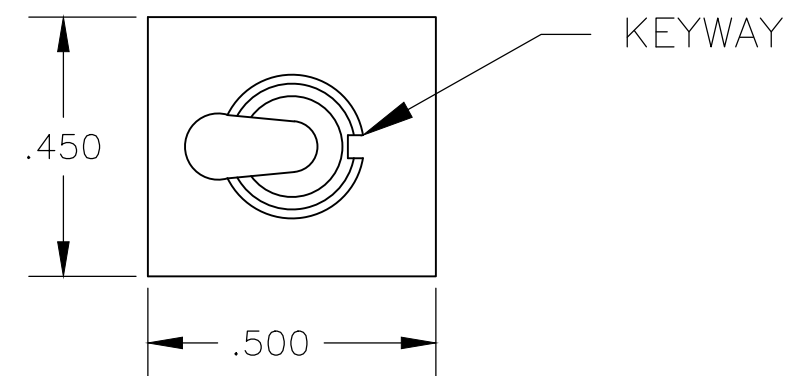
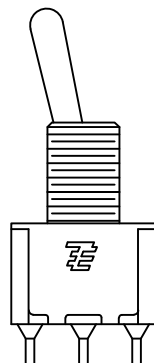
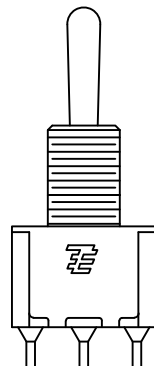
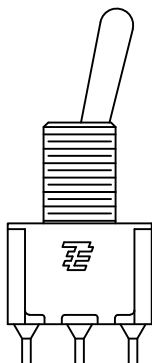




SPECIFICATIONS CHART	
RATING, B CONTACTS	.4VA MAX @20V MAX. AC OR DC
RATING, G CONTACTS—SEE NOTE 3	.4VA MAX @20V MAX. AC OR DC OR
	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
RATING, Q CONTACTS	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
ELECTRICAL LIFE	6,000 CYCLES AT RATED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

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

FUNCTION CHART			
FUNCTION			
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

PART NUMBER SEQUENCE CHART						
MODEL	FUNCTION	TOGGLE	BUSHING	TERMINAL	CONTACT	RoHS
SAMPLE: A201SYCQ04	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		

EXAMPLE: A201SYCQ04

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, 2 POSITION FUNCTIONS (01 & 08) —	
		1 PLC ± —		—			
		2 PLC ± —		APPLICATION SPEC			
		3 PLC ± .010		—			
		4 PLC ± —		SIZE		RESTRICTED TO	
		ANGLES ± 2°		CAGE CODE			
MATERIAL		FINISH		WEIGHT		DRAWING NO	
—		—		A2 00779		C-1825138	
CUSTOMER DRAWING						SCALE 3:1	
						SHEET 1 OF 4	
						REV A6	

L2 LEVER

DIM L	BUSHING TYPE
.550	Y, H
.620	D, D9



H HIGH TORQUE

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

D

C

B

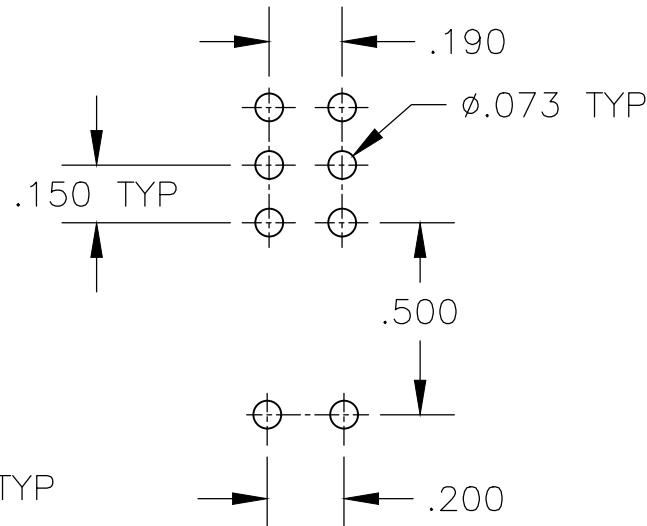
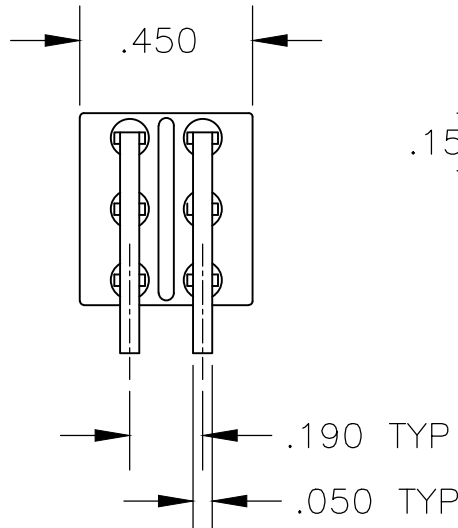
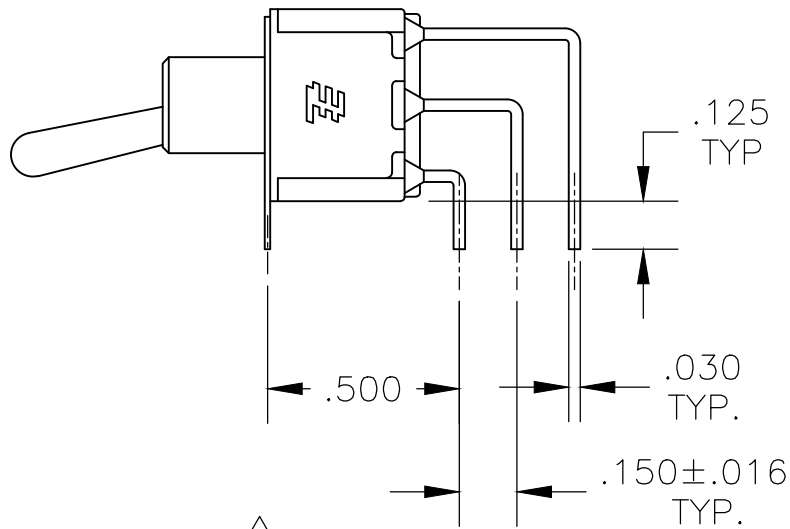
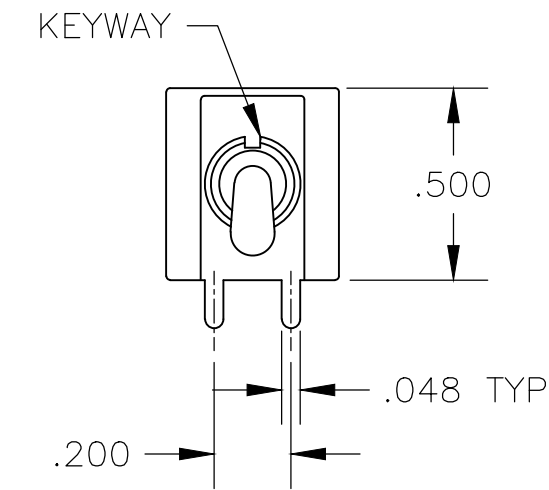
A

D

C

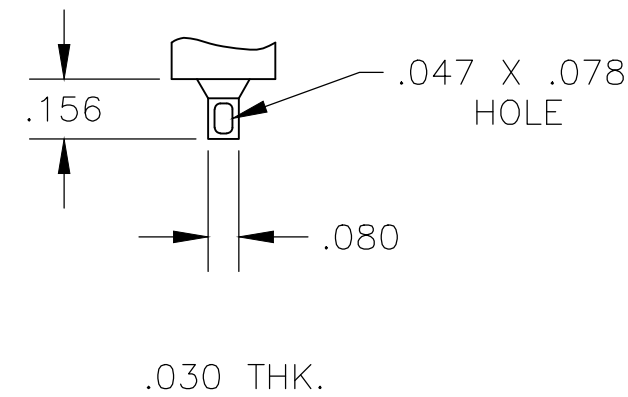
B

A

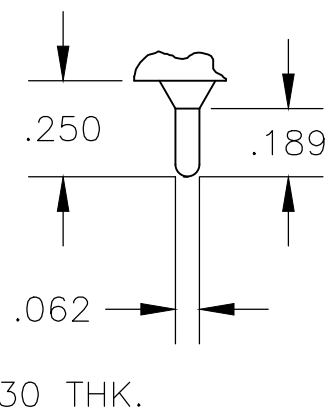


RECOMMENDED
PCB LAYOUT

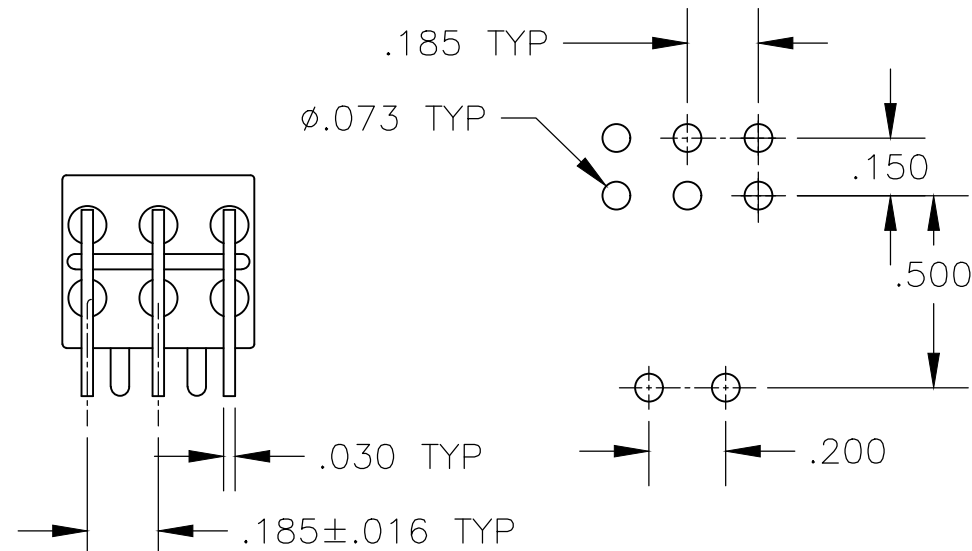
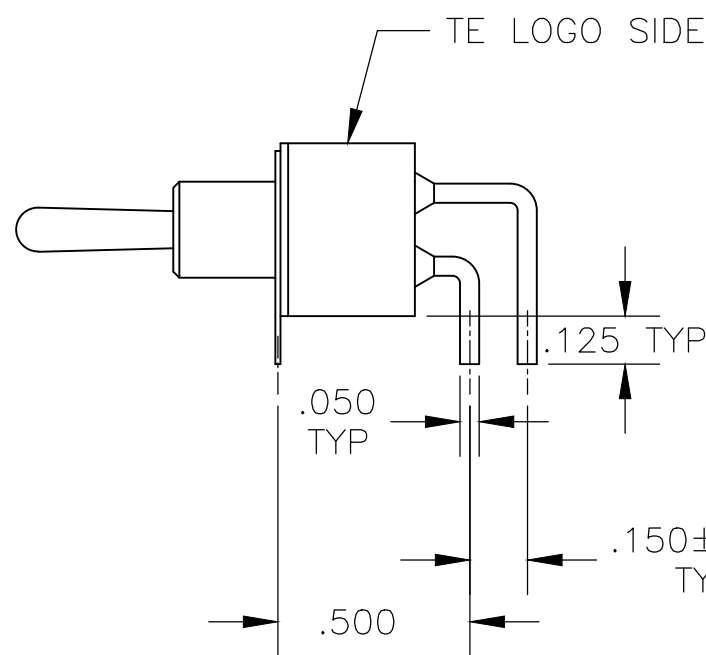
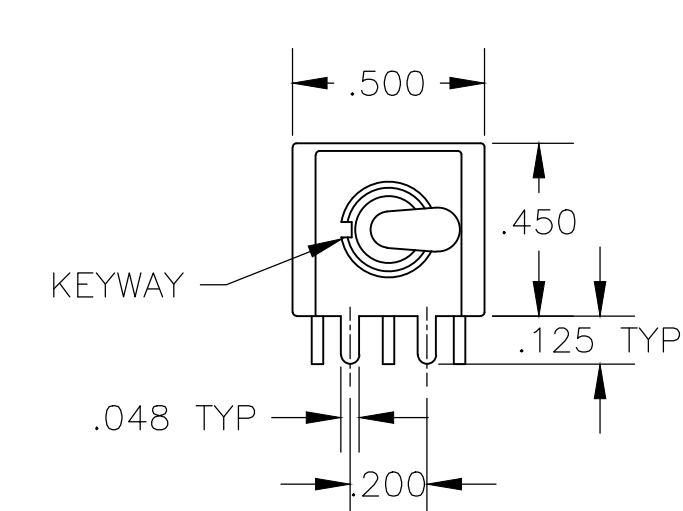
AV2 VERTICAL RIGHT ANGLE 5



Z WIRE LUG



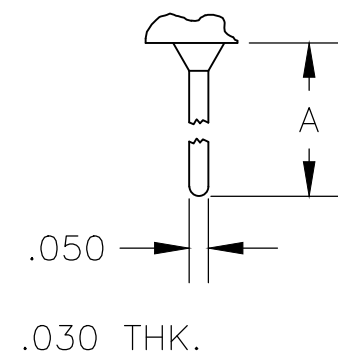
Z3 QUICK CONNECT



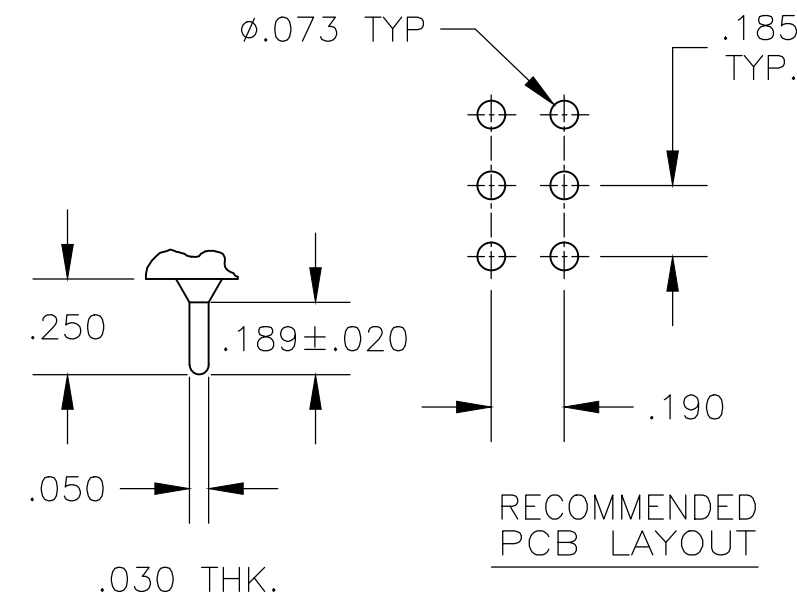
RECOMMENDED
PCB LAYOUT

A RIGHT ANGLE 5

OPTION	DIM A
W	.736
W4	1.062

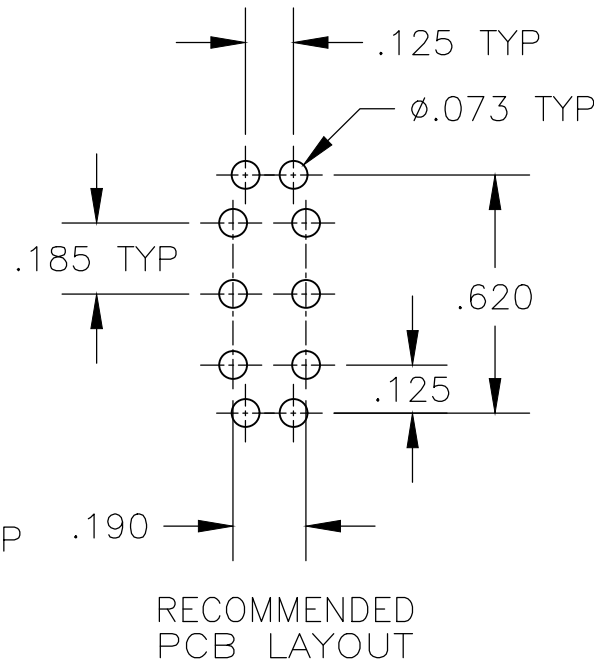
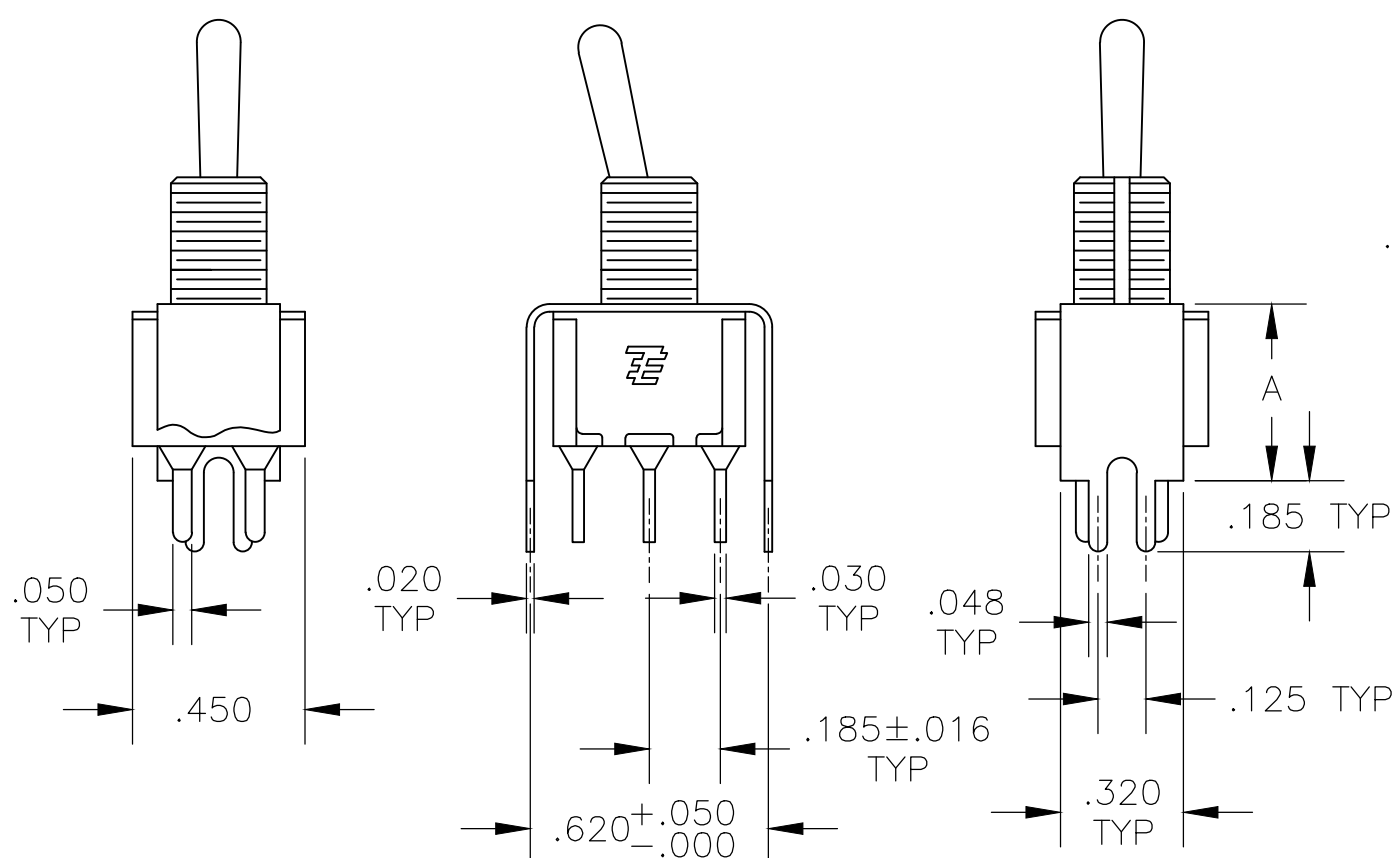


W W4 WIRE WRAP



RECOMMENDED
PCB LAYOUT

C PRINTED CIRCUIT



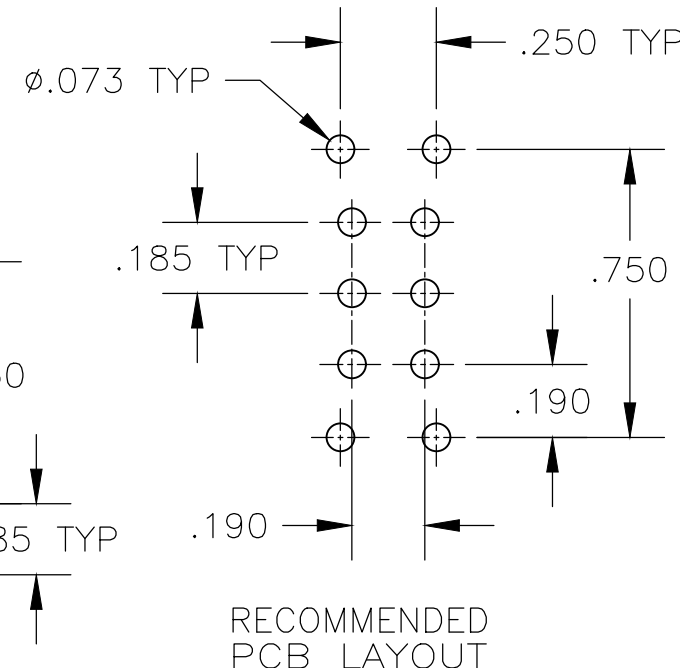
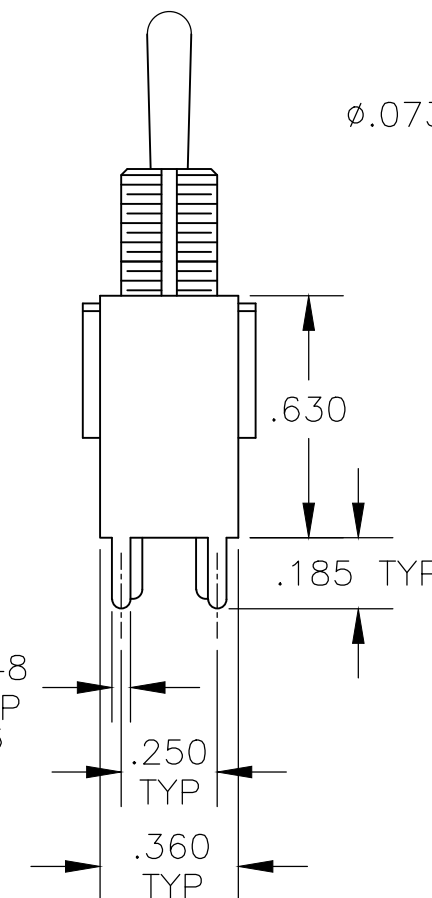
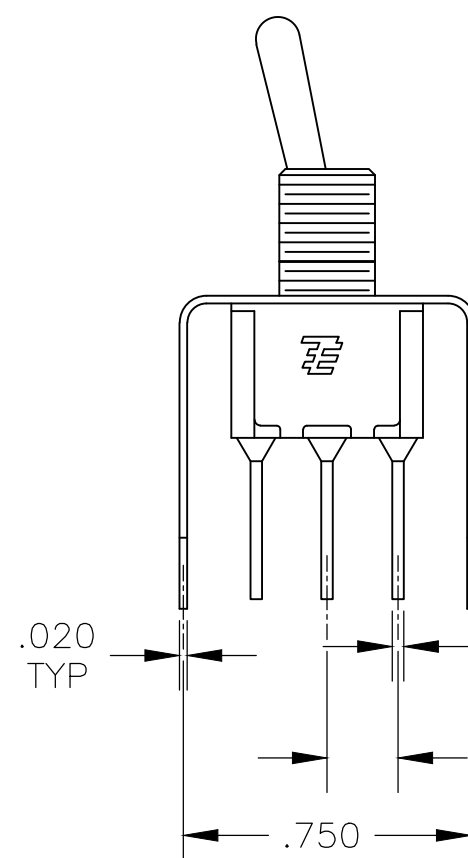
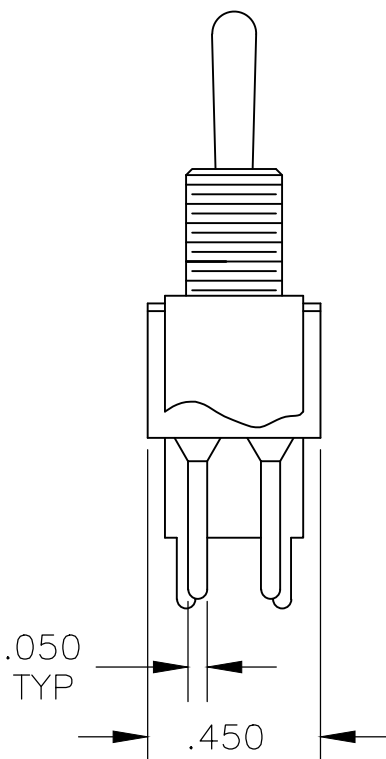
RECOMMENDED
PCB LAYOUT

OPTION	DIM A
V30	.460
V40	.630

V30 V40 5
VERTICAL SUPPORT BRACKET

V70

VERTICAL SUPPORT BRACKET



RECOMMENDED
PCB LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO	18MAY05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. ZITTO	-		
		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME	
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .010 4 PLC ± - ANGLES ± 2°		GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08)	
MATERIAL		FINISH		APVD M. ZITTO	
-		-		PRODUCT SPEC	
		APPLICATION SPEC		SIZE	
		WEIGHT		CAGE CODE	
		0		DRAWING NO	
		CUSTOMER DRAWING		A2 00779	
		SCALE		3:1	
		SHEET		3 of 4	
		REV		A6	

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

Alco P/N	P/N	
A201KAB04	1825138-1	
A201KD9AQ04	1825138-2	OBSOLETE
A201KZQ04	1825138-3	
not assigned	1825138-4	OBSOLETE
A201L1D9V30Q04	1825138-5	
A201MD9AB04	1825138-6	
A201MD9AQ04	1825138-7	
A201MD9AV2B04	1825138-8	
A201MD9AV2Q04	1825138-9	
A201MDAQ04	1-1825138-0	
not assigned	1-1825138-1	OBSOLETE
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	OBSOLETE
A201SDZQ04	2-1825138-0	
A201SY9AB04	2-1825138-1	OBSOLETE
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	OBSOLETE
A201TZQ04	3-1825138-1	
A208KZG04	3-1825138-2	OBSOLETE
A208P3ZQ04	3-1825138-3	
A208SD9AQ04	3-1825138-4	OBSOLETE
A208SD9AV2Q04	3-1825138-5	
A208SYCB04	3-1825138-6	
A208SYCQ04	3-1825138-7	
A208SYZQ04	3-1825138-8	
A208T1ZQ04	3-1825138-9	OBSOLETE
A208TZQ04	4-1825138-0	
A208SDCQ04	4-1825138-1	
A201P3V30G04	4-1825138-2	
A203MD9AQ-UL	4-1825138-3	OBSOLETE
A201MCWCB04	4-1825138-4	
A201SCWCB04	4-1825138-5	

RECOMMENDED PANEL CUT-OUTS

BUSHING SIZE	WITHOUT LOCKING RING	WITH STANDARD LOCKING RING
1/4		
15/32		

MATERIALS CHART

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	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO	16MAY05	 TE Connectivity	
		CHK M. ZITTO	-		
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08)	
		APVD M. ZITTO			
		PRODUCT SPEC —		—	
		APPLICATION SPEC —		—	
				SIZE	RESTRICTED TO
MATERIAL		WEIGHT		CAGE CODE	DRAWING NO
FINISH		A2		00779	G-1825138
		CUSTOMER DRAWING		SCALE	SHEET
				3:1	4 of 4
				REV	A6

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