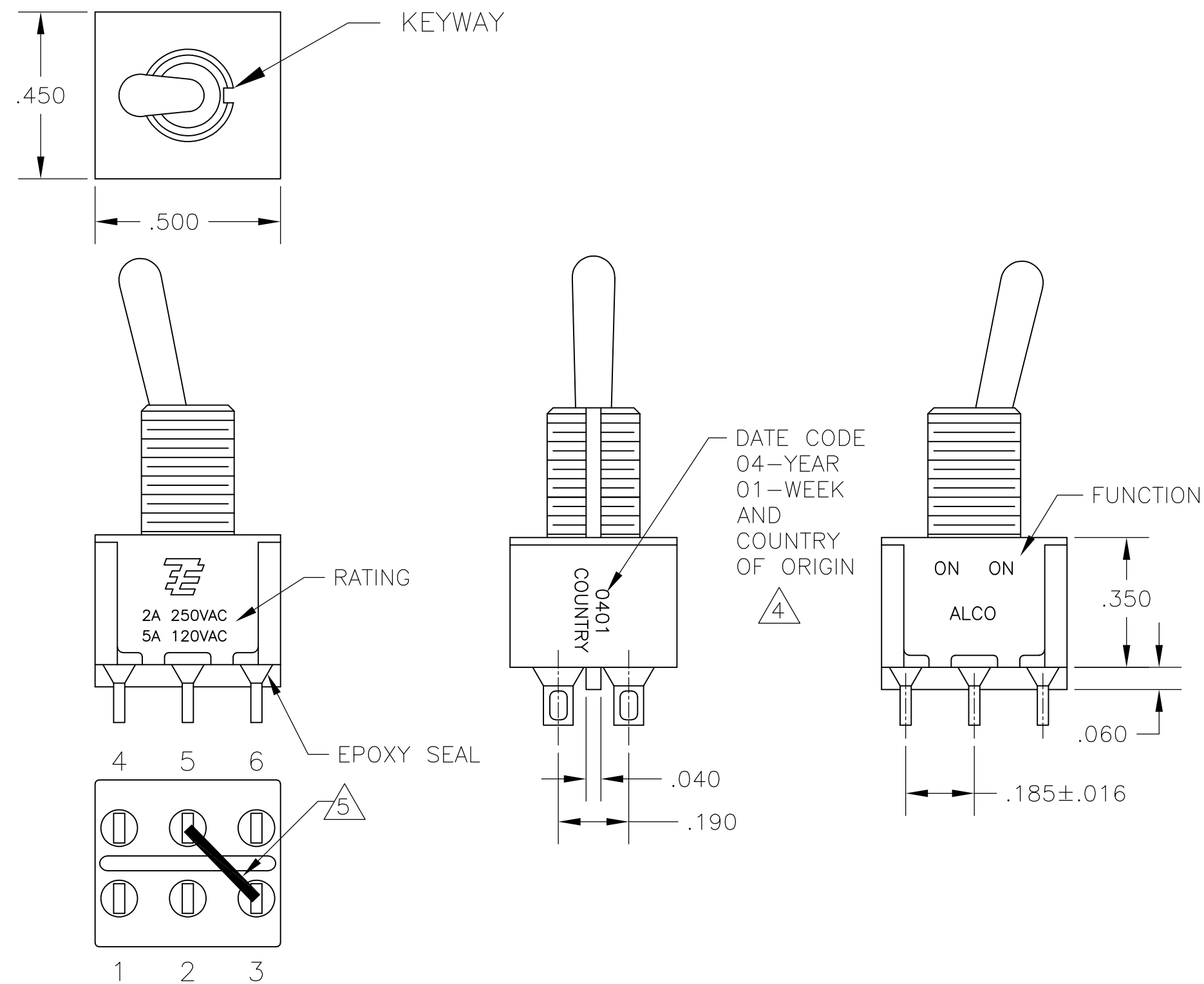
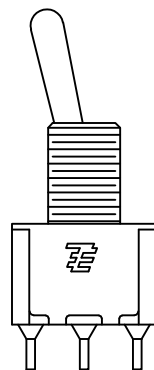
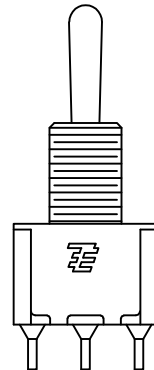
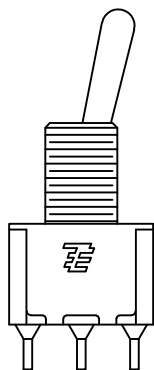
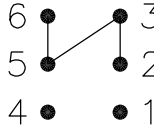
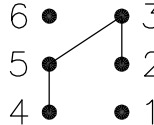
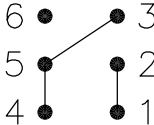




FUNCTION CHART			
FUNCTION			
03	ON	OFF	ON
05	(ON)	OFF	(ON)
07	ON	OFF	(ON)
TERMINALS CONNECTED	2-3, 5-6	---	1-2, 4-5
11	ON	ON	ON
13	ON	ON	(ON)
15	(ON)	ON	(ON)
TERMINALS CONNECTED	2-3, 5-6	2-3, 4-5	1-2, 4-5
SP3T SCHEMATIC (11, 13 & 15 ONLY) SEE NOTE 5			
	IN 2, OUT 6	IN 2, OUT 4	IN 2, OUT 1

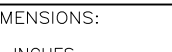
None: No mechanical position
Off: Mechanical position with no electrical connection
(On): Momentary action

- 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		
		P3		W		
		S		W4		
		T		Z		
		T1		Z3		

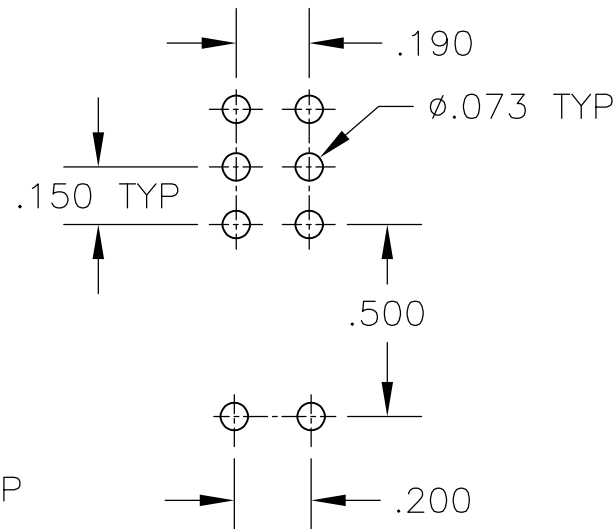
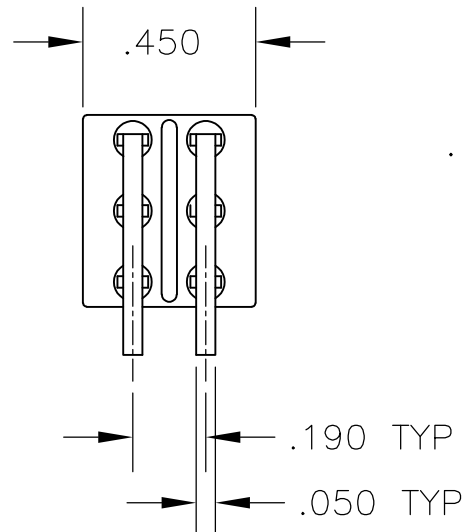
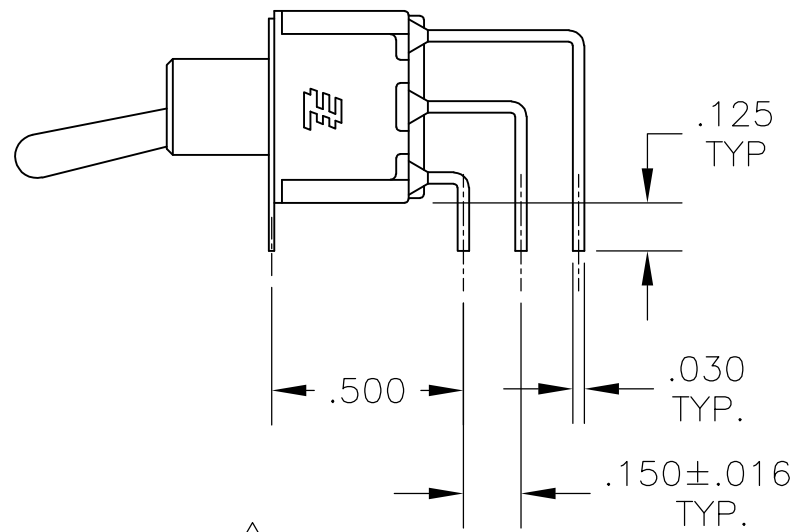
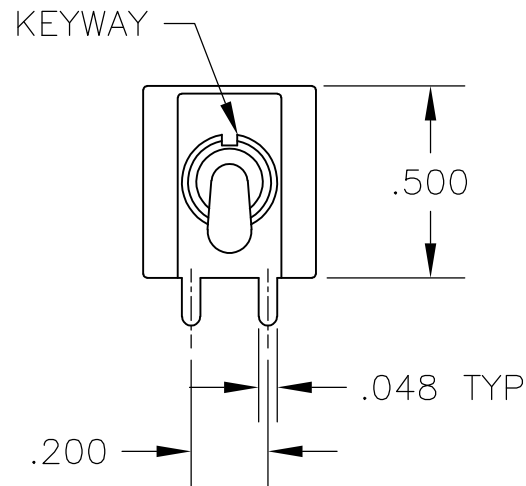
EXAMPLE: A207SYZQ04

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO		18MAY05		 TE Connectivity		
DIMENSIONS: INCHES		CHK M. ZITTO		—				
		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		CAGE CODE	DRAWING NO	RESTRICTED TO
4 PLC ± —		—		A2		00779	C-1825139	—
ANGLES ± 2°		FINISH		WEIGHT		0		
MATERIAL		—		CUSTOMER DRAWING		SCALE		3:1
—		—		—		SHEET		1 of 4
—		—		—		REV		A5

1471-9 (1/15)

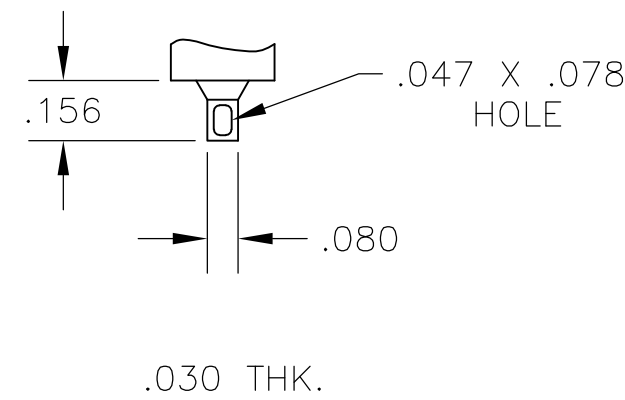
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

D



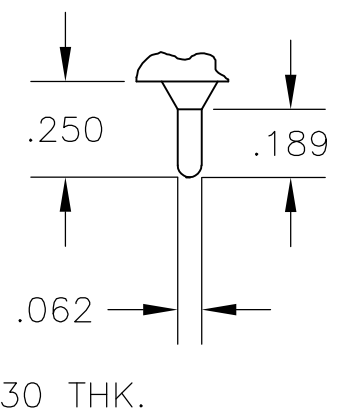
RECOMMENDED
PCB LAYOUT

AV2 VERTICAL RIGHT ANGLE



.030 THK.

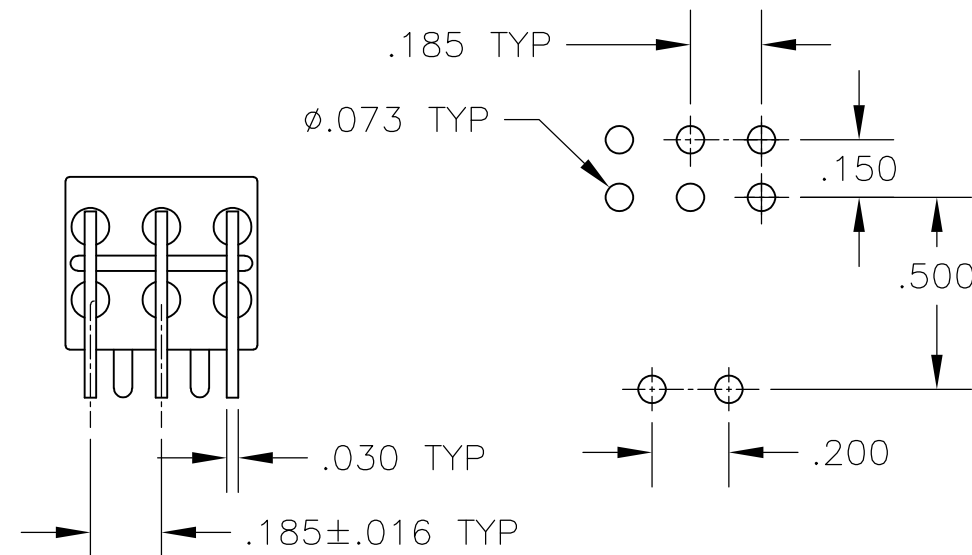
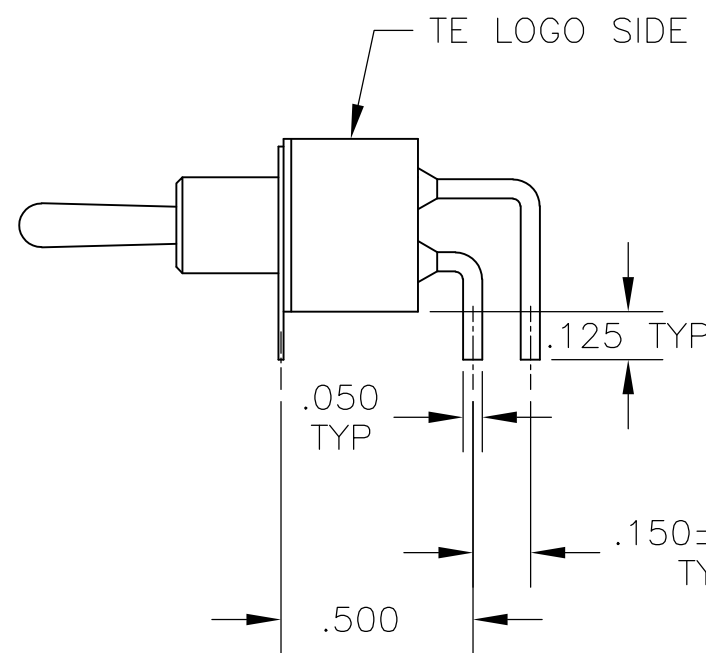
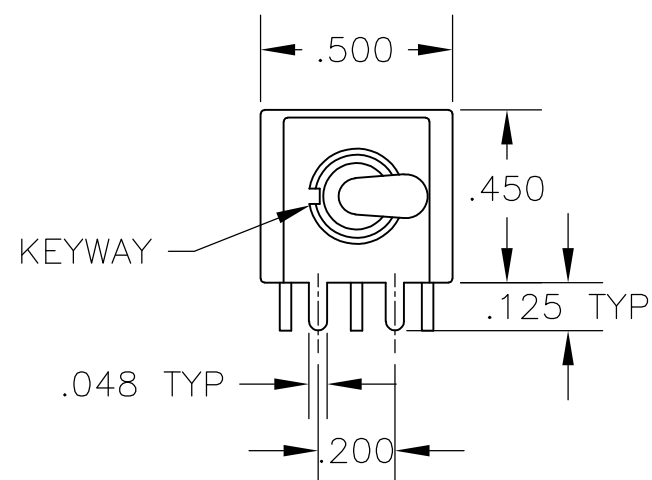
Z WIRE LUG



.030 THK.

Z3 QUICK CONNECT

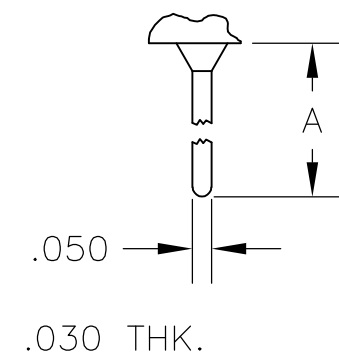
C



RECOMMENDED
PCB LAYOUT

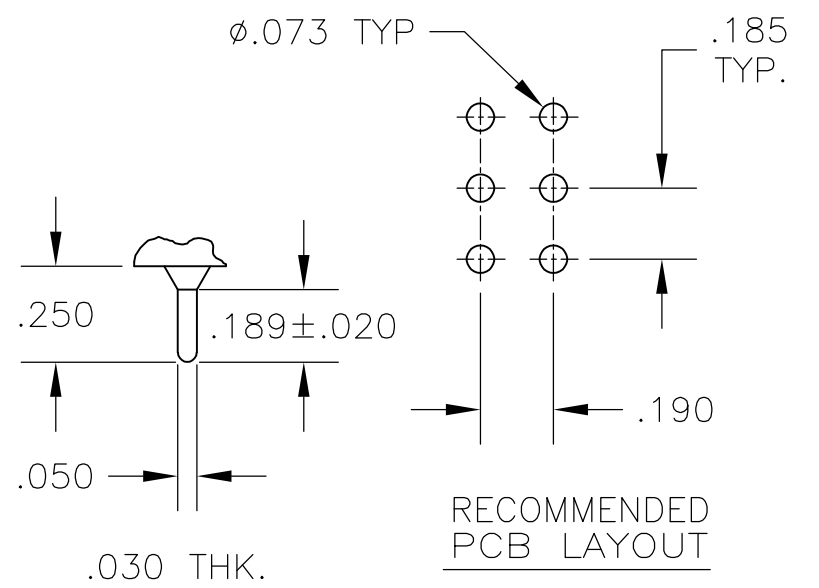
A RIGHT ANGLE

OPTION	DIM A
W	.736
W4	1.062



.030 THK.

W W4 WIRE WRAP

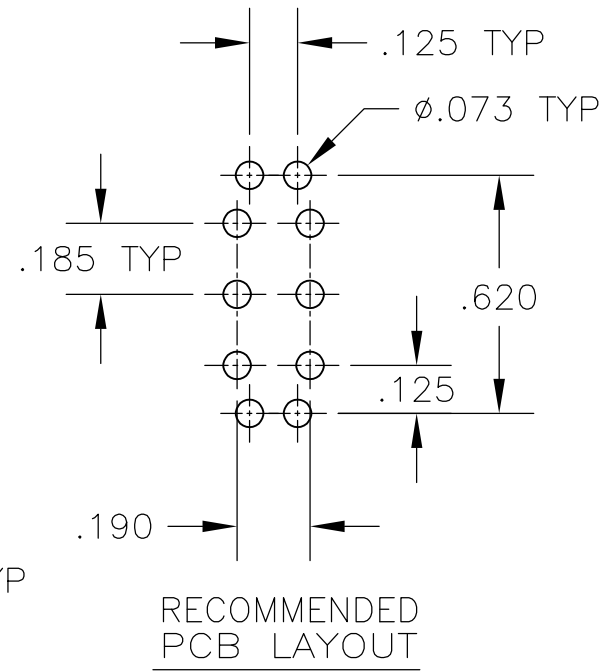
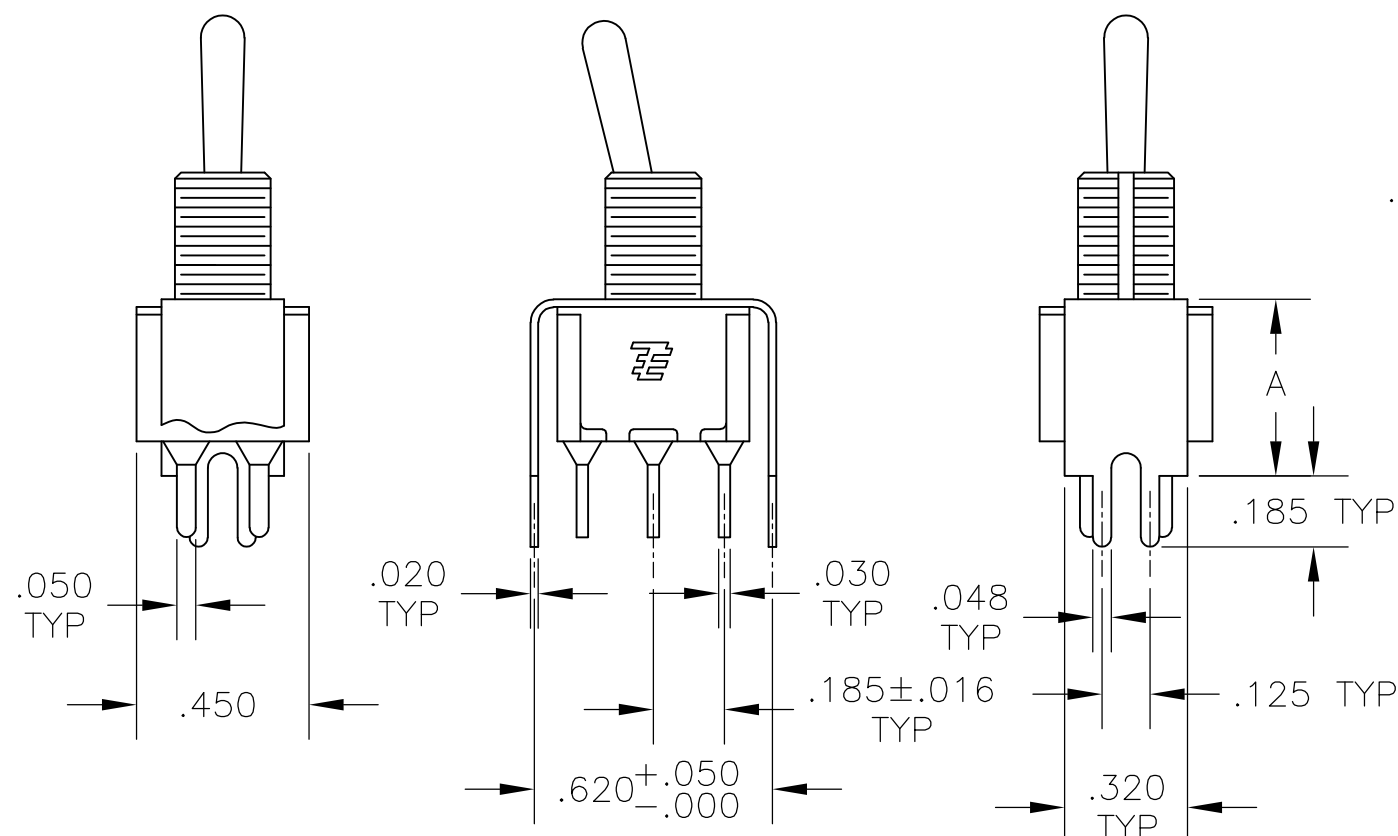


.030 THK.

RECOMMENDED
PCB LAYOUT

C PRINTED CIRCUIT

B



RECOMMENDED
PCB LAYOUT

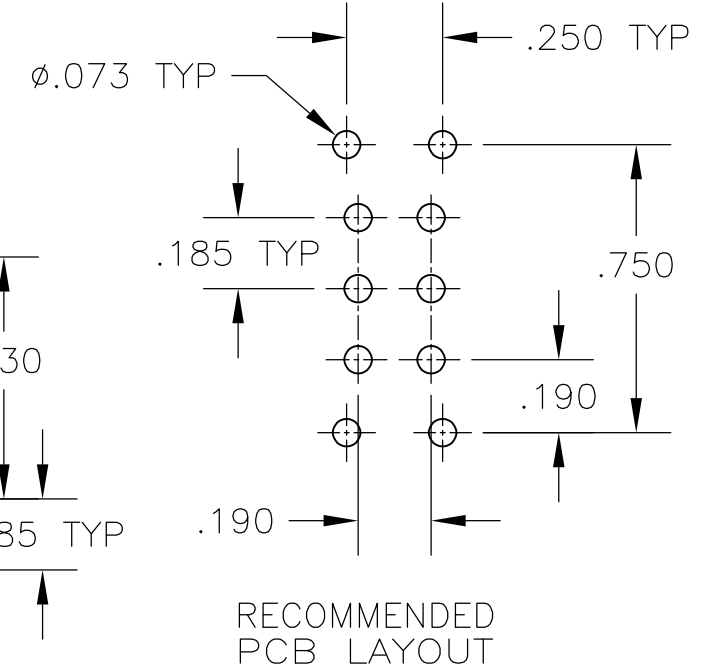
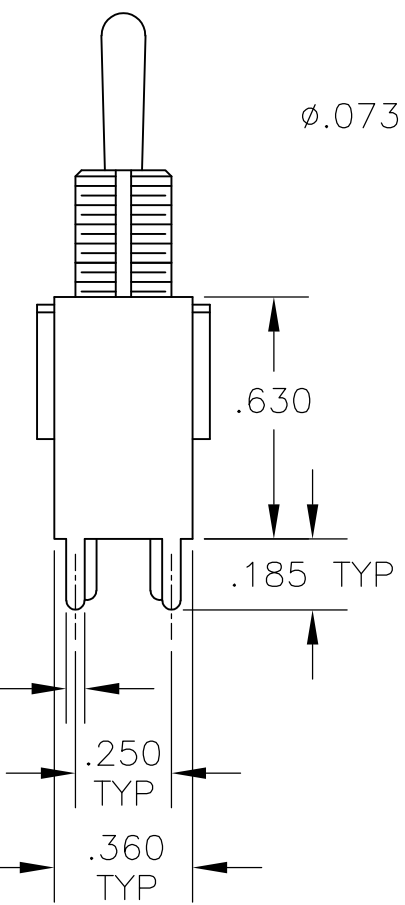
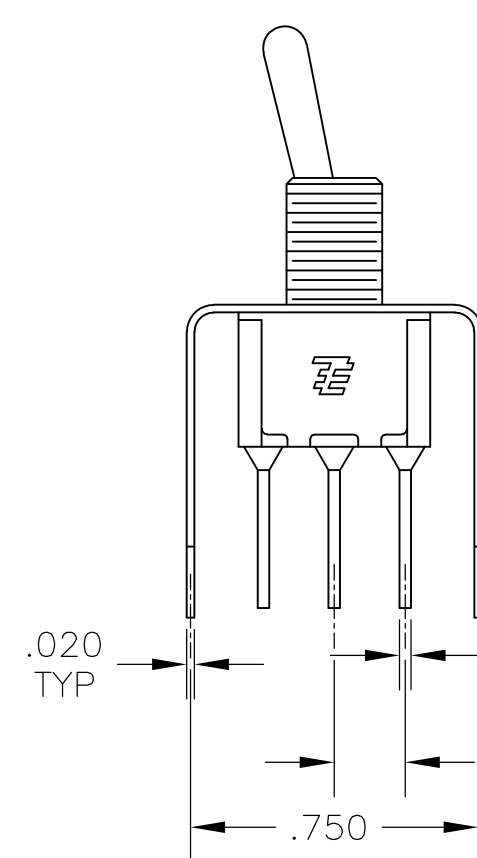
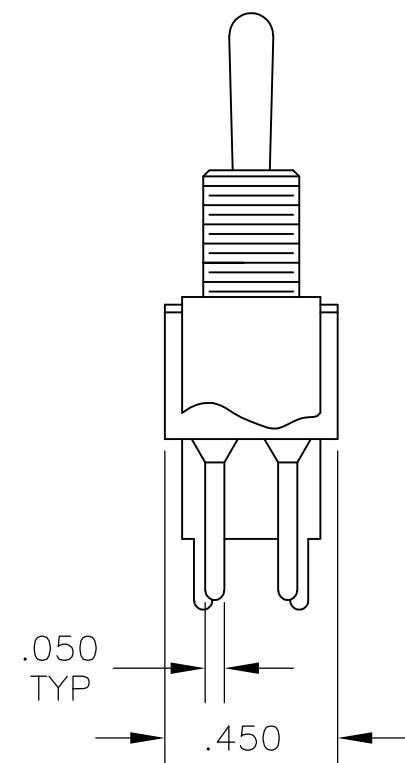
OPTION	DIM A
V30	.460
V40	.630

V30 V40

VERTICAL SUPPORT BRACKET

V70

VERTICAL SUPPORT BRACKET



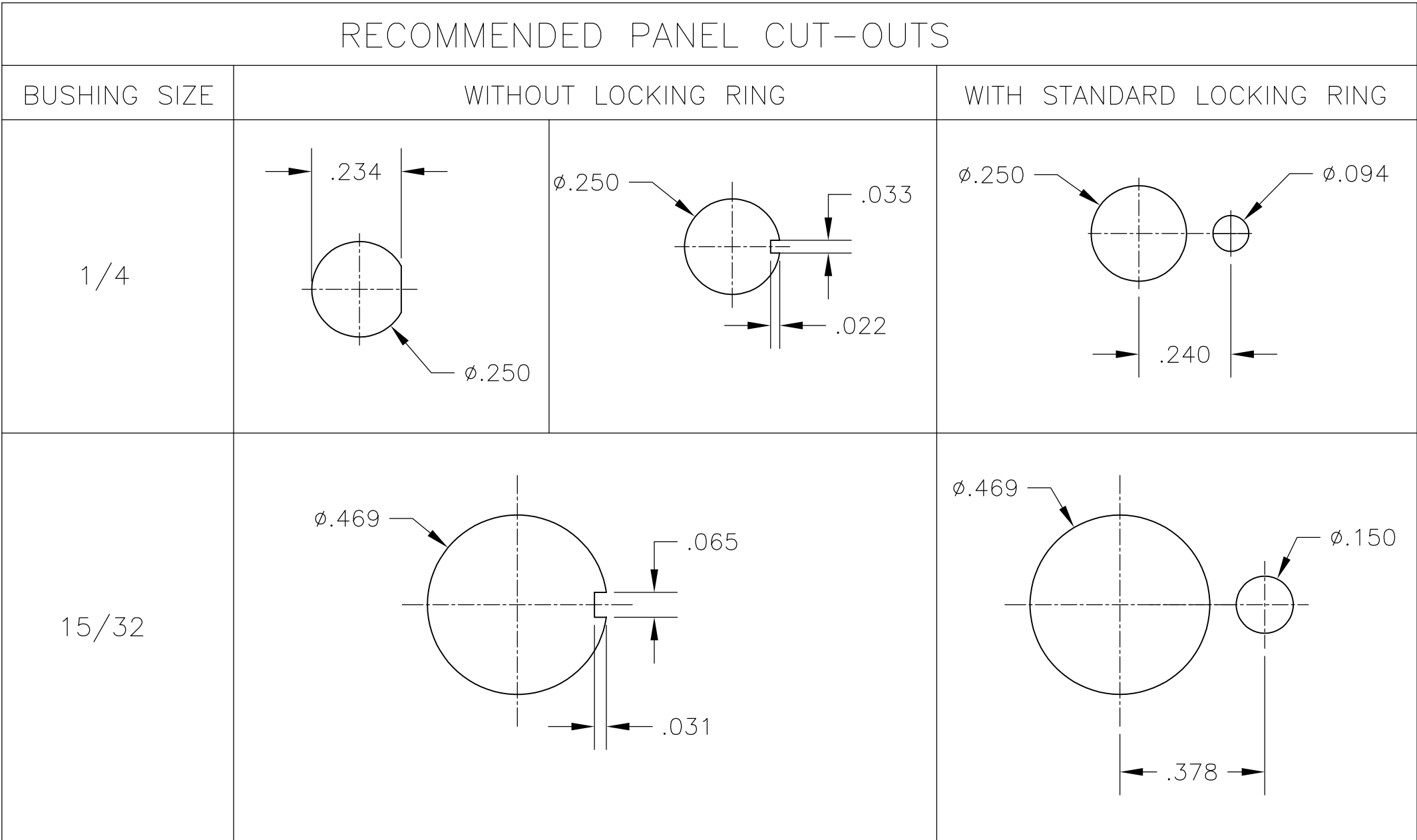
RECOMMENDED
PCB LAYOUT

A

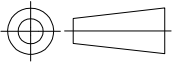
THIS DRAWING IS A CONTROLLED DOCUMENT.			14APR05		
DWN M. ZITTO			-		
CHK M. ZITTO			-		
APVD M. ZITTO			-		
PRODUCT SPEC			-		
APPLICATION SPEC			-		
WEIGHT			-		
CUSTOMER DRAWING			-		
DIMENSIONS: INCHES			TOLERANCES UNLESS OTHERWISE SPECIFIED:		
			0 PLC	±	-
			1 PLC	±	-
			2 PLC	±	-
			3 PLC	±	.010
			4 PLC	±	-
MATERIAL			ANGLES	±	2°
FINISH			-		
NAME			GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 3 POSITION FUNCTIONS (03, 05, 07, 11, 13 & 15)		
SIZE			A2		
CAGE CODE			00779		
DRAWING NO			C=1825139		
RESTRICTED TO			-		
SCALE			2:1		
SHEET			3 of 4		
REV			A5		

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

Alco P/N	P/N
A203KZQ04	1825139-1
A203MD9AB04	1825139-2
A203P3AV2Q04	1825139-3
A203P3ZQ04	1825139-4
A203SD9AV2B04	1825139-5
A203SD9AV2Q04	1825139-6
A203SDZQ04	1825139-7
A203SYCB04	1825139-8
A203SYCQ04	1825139-9
A203SYZQ04	1-1825139-0
A203T1ZQ04	1-1825139-1
A203TZQ04	1-1825139-2
A205KZB04	1-1825139-3
A205P3ZQ04	1-1825139-4
A205SD9AB04	1-1825139-5
A205SYCB04	1-1825139-6
A205SYCQ04	1-1825139-7
A205SYZQ04	1-1825139-8
A205T1ZQ04	1-1825139-9
A205TZQ04	2-1825139-0
A207P3ZQ04	2-1825139-1
A207SYCB04	2-1825139-2
A207SYCQ04	2-1825139-3
A207SYZQ04	2-1825139-4
A207T1ZQ04	2-1825139-5
A207TZQ04	2-1825139-6
A211KZB04	2-1825139-7
A211MD9AQ04	2-1825139-8
A211MYCQ04	2-1825139-9
A211P3CQ04	3-1825139-0
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A211P3ZQ04	3-1825139-2
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A211SDZQ04	3-1825139-4
A211SHZQ04	3-1825139-5
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A211T1ZQ04	4-1825139-0
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A213SYZQ04	4-1825139-2
A215SD9V30B04	4-1825139-3
A215SY9AQ04	4-1825139-4
A215SYZQ04	4-1825139-5
A203LYCQ04	4-1825139-6
A203LD9CQ04	4-1825139-7
A203LDCQ04	4-1825139-8



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	

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			
MATERIAL —		FINISH —		SIZE A2	
		WEIGHT —		CAGE CODE 00779	
		CUSTOMER DRAWING		DRAWING NO 1825139	
				RESTRICTED TO —	
				SCALE 3:1	
				SHEET 4 of 4	
				REV A5	

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