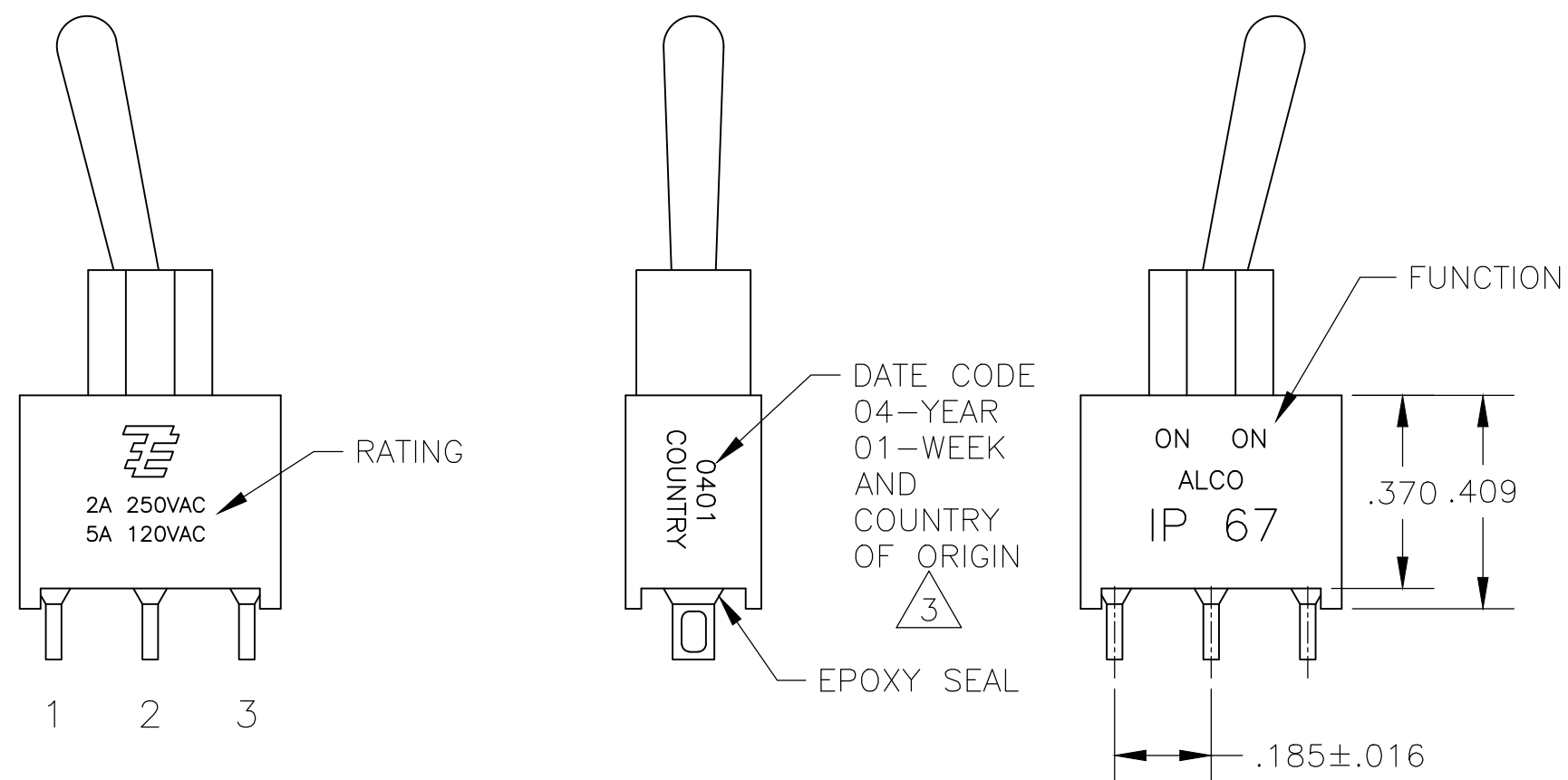
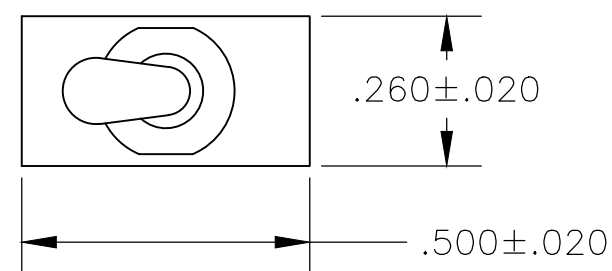
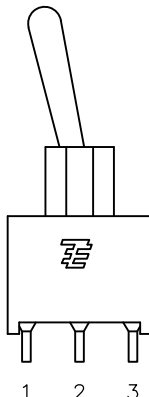
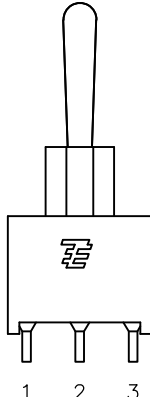
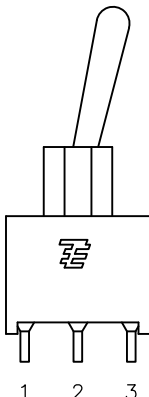




SPECIFICATIONS CHART	
RATING, B CONTACTS	.4VA MAX @20V MAX. AC OR DC
RATING, G CONTACTS—SEE NOTE 2	.4VA MAX @20V MAX. AC OR DC OR
	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
RATING, Q CONTACTS	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
ELECTRICAL LIFE	6,000 CYCLES AT RATED 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 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 SWITCH IS 2A 250VAC, 5A 120VAC.
- 3 SWITCHES MEETS REQUIREMENTS OF IP67.
- 4  DATE CODE AND COUNTRY OF ORIGIN MAY APPEAR ON EITHER SIDE OF SWITCH.
- 5 ALL LOGO, RATING, DATE CODE, AND FUNCTION MARKINGS TO BE LASER MARKED.

FUNCTION CHART			
FUNCTION			
	1 2 3	1 2 3	1 2 3
01	ON	NONE	ON
03	ON	OFF	ON
05	(ON)	OFF	(ON)
07	ON	OFF	(ON)
08	ON	NONE	(ON)
TERMINALS CONNECTED	2-3	---	1-2

NONE: NO MECHANICAL POSITION
 OFF: MECHANICAL POSITION WITH NO MECHANICAL CONNECTION
 (ON): MOMENTARY ACTION

PART NUMBER SEQUENCE CHART						
MODEL	FUNCTION	TOGGLE	BUSHING	TERMINAL	CONTACT	RoHS
AE1	01	M	D1	A	B	04
	03	S		AV2	G	
	05			C	Q	
	07			V30		
	08			V40		
				W		
				W4		
				Z		
				Z3		

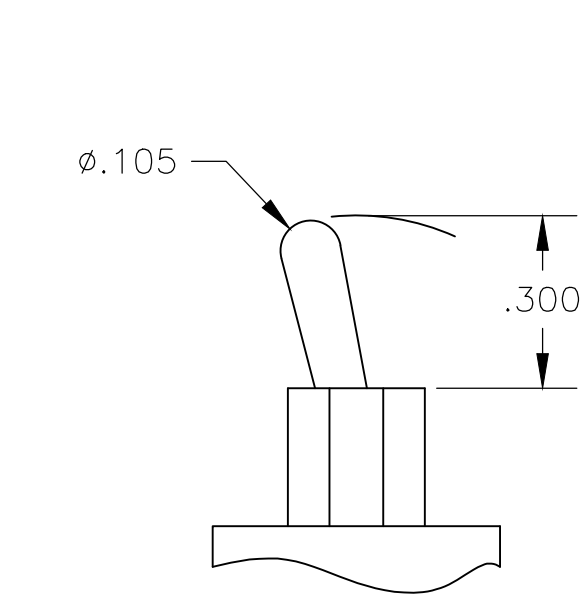
EXAMPLE: AE101SD1CQ04

EXAMPLE: AE101SD1CQ04

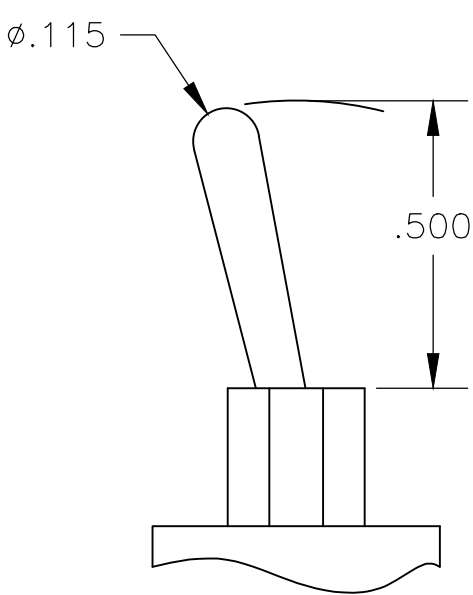
THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN M. ZITTO		18MAY05		 TE Connectivity						
DIMENSIONS: INCHES			TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK M. ZITTO		NAME GEMINI AE SERIES TOGGLE SWITCH, SINGLE POLE —						
					APVD M. ZITTO								
			PRODUCT SPEC		SIZE CAGE CODE DRAWING NO RESTRICTED TO								
			—										
			APPLICATION SPEC										
			—										
MATERIAL			FINISH		WEIGHT		A200779C-1825142		—				
—			—		—		—		—				
CUSTOMER DRAWING							SCALE		3:1	SHEET	1 of 4	REV	A5

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

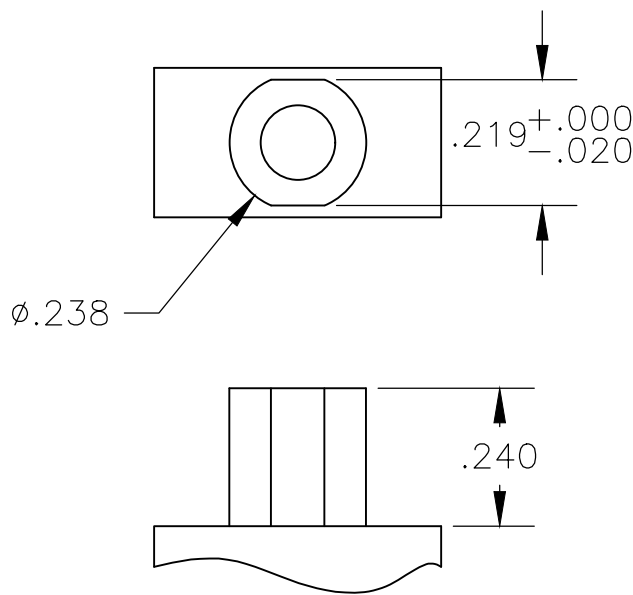
D



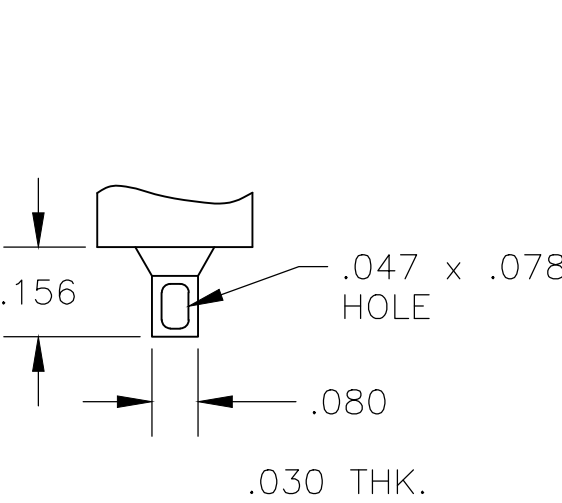
M SHORT



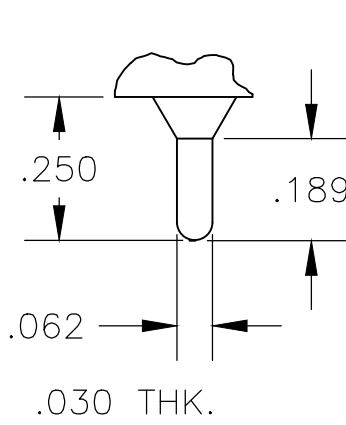
S STANDARD



D1 BUSHING

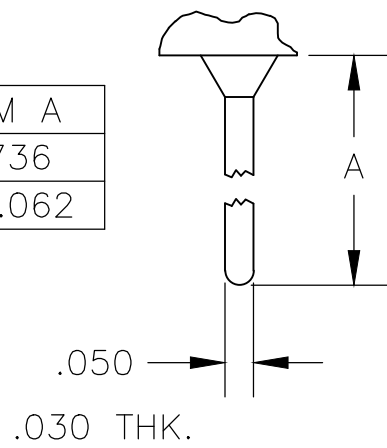


Z WIRE LUG



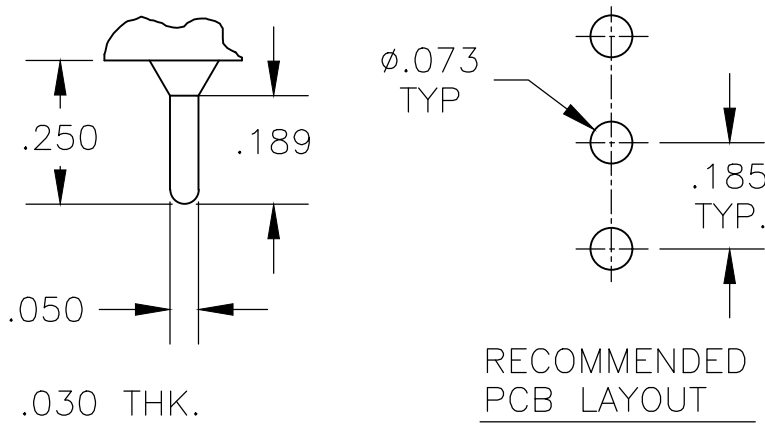
Z3 QUICK CONNECT

OPTION	DIM A
W	.736
W4	1.062

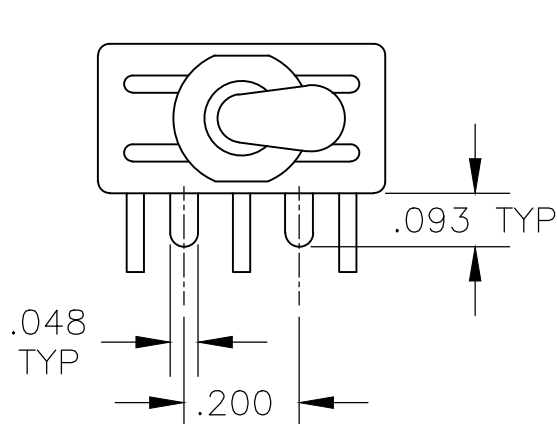


W W4 WIRE WRAP

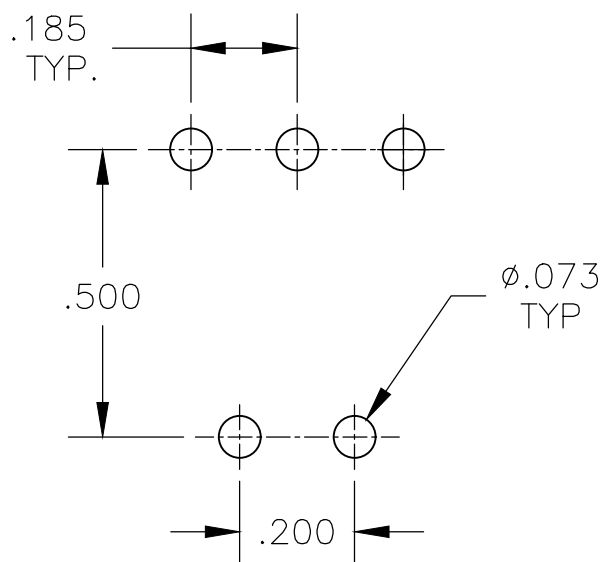
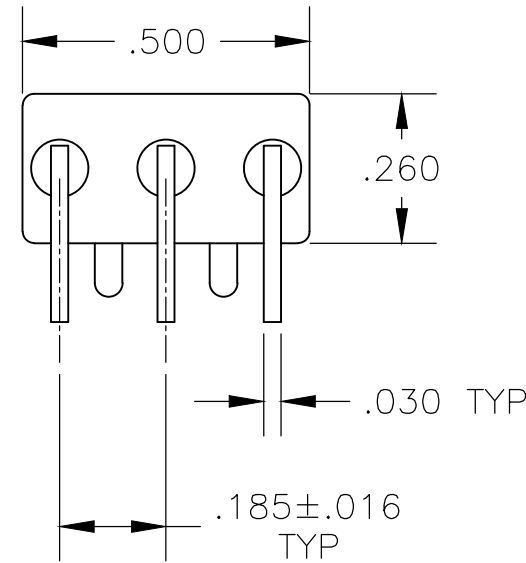
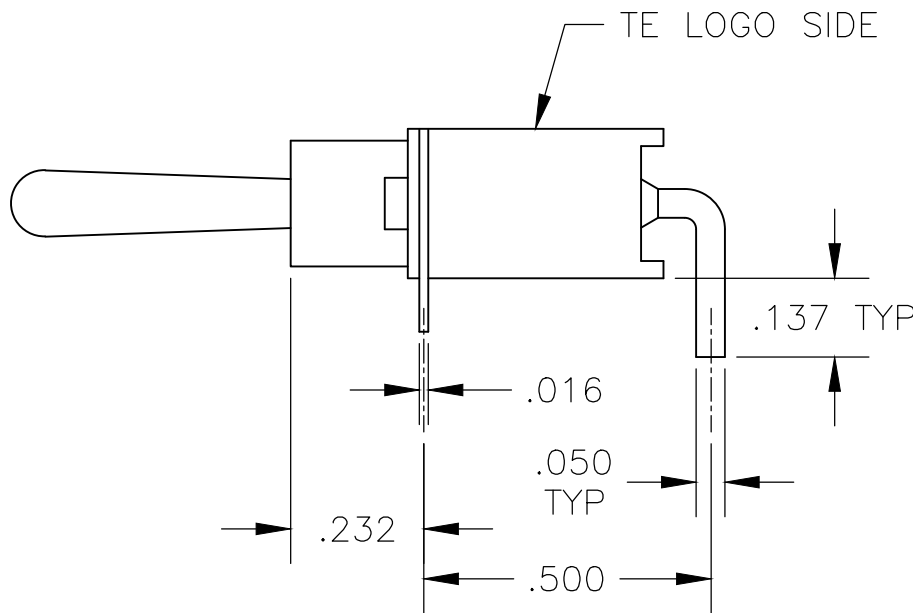
C



C PRINTED CIRCUIT

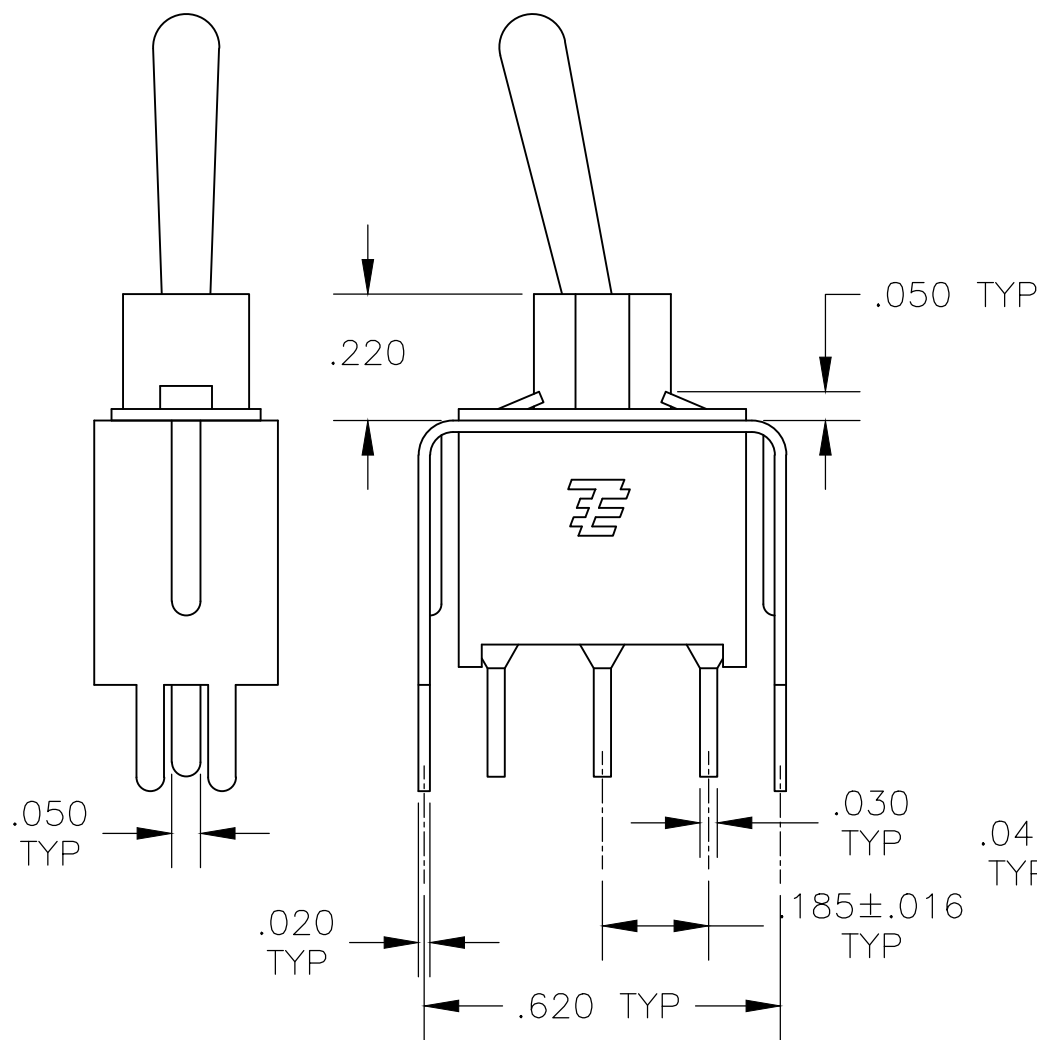


A RIGHT ANGLE

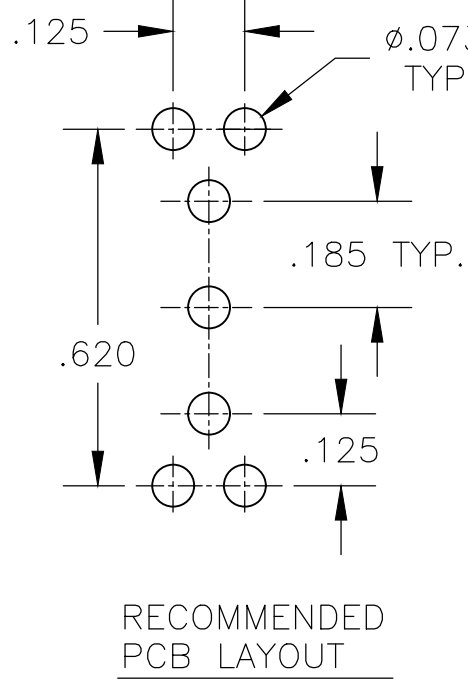


RECOMMENDED PCB LAYOUT

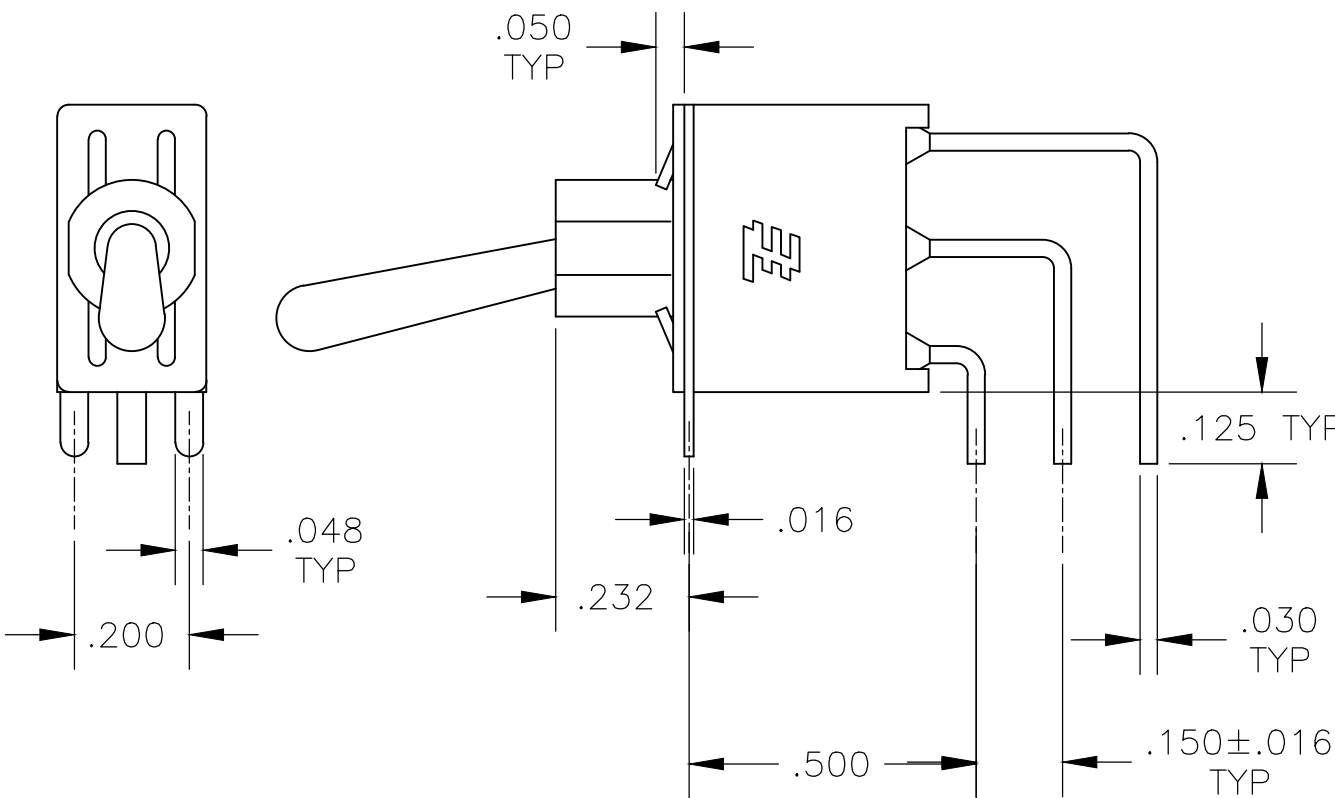
B



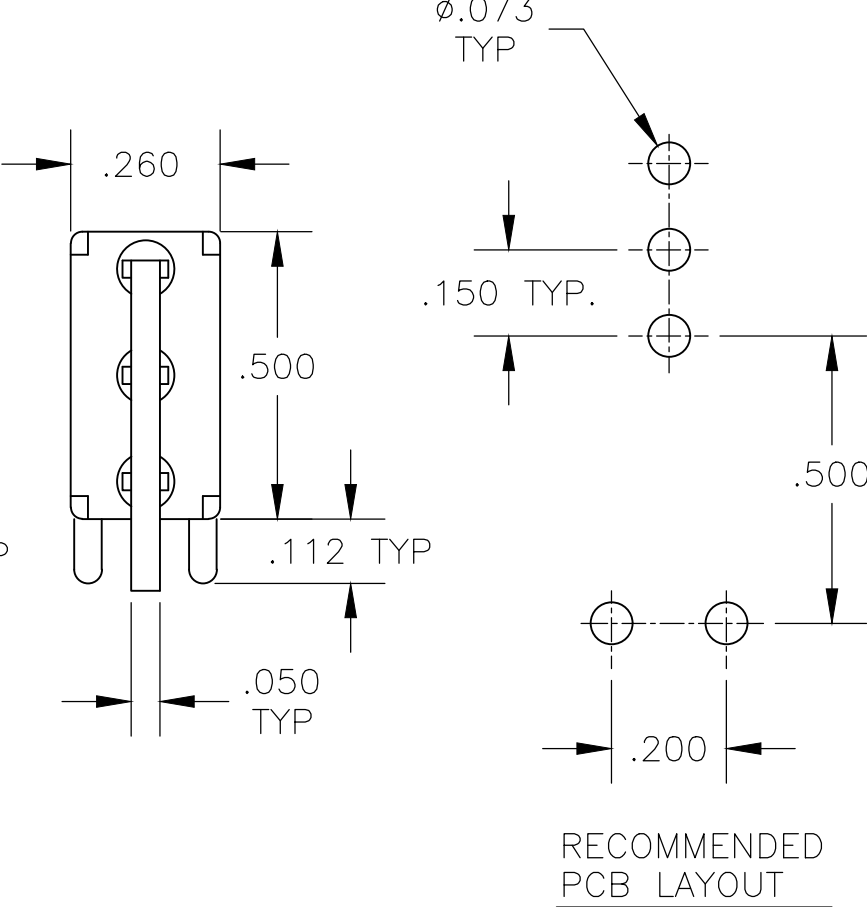
V30 V40 VERTICAL SUPPORT BRACKET



OPTION	DIM A
V30	.460
V40	.630



AV2 VERTICAL RIGHT ANGLE



A

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO CHK M. ZITTO APVD M. ZITTO PRODUCT SPEC	18MAY05	TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:			
		0 PLC ± -		NAME GEMINI AE SERIES TOGGLE SWITCH, SINGLE POLE	
		1 PLC ± -			
		2 PLC ± -		SIZE A2	
		3 PLC ± .010			
MATERIAL		4 PLC ± -		CAGE CODE 00779	
		ANGLES ± 2°			
FINISH				DRAWING NO 1825142	
CUSTOMER DRAWING		SCALE 3:1		SHEET 2 of 4	
				REV A5	

4

3

2

1

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RELEASED FOR PUBLICATION

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REVISIONS

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

Alco P/N	TE P/N	
AE101MD1AB04	1825142-1	
AE101MD1AG04	1825142-2	
not assigned	1825142-3	OBSOLETE
AE101MD1AQ04	1825142-4	
AE101MD1AV2B04	1825142-5	
AE101MD1AV2Q04	1825142-6	
not assigned	1825142-7	OBSOLETE
AE101MD1CB04	1825142-8	
AE101MD1CG04	1825142-9	
AE101MD1CQ04	1-1825142-0	OBSOLETE
AE101MD1V30B04	1-1825142-1	
AE101MD1V30Q04	1-1825142-2	
AE101MD1W4B04	1-1825142-3	
AE101MD1W4Q04	1-1825142-4	OBSOLETE
AE101SD1AB04	1-1825142-5	
AE101SD1AQ04	1-1825142-6	
not assigned	1-1825142-7	OBSOLETE
AE101SD1AV2B04	1-1825142-8	
AE101SD1AV2Q04	1-1825142-9	OBSOLETE
AE101SD1CB04	2-1825142-0	
AE101SD1CQ04	2-1825142-1	
AE101SD1V30B04	2-1825142-2	
AE101SD1V30Q04	2-1825142-3	OBSOLETE
AE103MD1AB04	2-1825142-4	
AE103MD1AV2B04	2-1825142-5	
AE103MD1CB04	2-1825142-6	
NOT ASSIGNED	2-1825142-7	
AE103MD1W4B04	2-1825142-8	OBSOLETE
AE103SD1AV2B04	2-1825142-9	
AE103SD1CB04	3-1825142-0	
AE103SD1CQ04	3-1825142-1	
not assigned	3-1825142-2	
AE103SD1V30B04	3-1825142-3	
AE103SD1W4B04	3-1825142-4	OBSOLETE
AE105MD1AB04	3-1825142-5	
AE105MD1AG04	3-1825142-6	
AE105MD1AV2B04	3-1825142-7	
AE105MD1W4B04	3-1825142-8	OBSOLETE
AE105SD1CB04	3-1825142-9	
AE105SD1V30B04	4-1825142-0	OBSOLETE

Alco P/N	TE P/N	
AE105SD1W4B04	4-1825142-1	OBSOLETE
AE107MD1AV2B04	4-1825142-2	
AE107SD1AB04	4-1825142-3	
AE107SD1AG04	4-1825142-4	OBSOLETE
AE107SD1CB04	4-1825142-5	
AE107SD1V30B04	4-1825142-6	
AE108MD1AQ04	4-1825142-7	
AE108MD1AV2B04	4-1825142-8	
AE108MD1AV2Q04	4-1825142-9	OBSOLETE
AE108SD1AB04	5-1825142-0	
AE108SD1AQ04	5-1825142-1	
AE108SD1CQ04	5-1825142-2	
not assigned	5-1825142-3	OBSOLETE
AE108SD1V30B04	5-1825142-4	
AE108SD1W4B04	5-1825142-5	OBSOLETE

MATERIALS CHART

COMPONENT NAME	BASE MATERIAL	FINISH
CASE & BUSHING	NYLON, RED, UL94 V-0	
O-RING	PVC, BLACK	
B TERMINALS & CONTACTS	COPPER	GOLD OVER NICKEL
G TERMINALS & CONTACTS	COPPER	GOLD OVER SILVER
Q TERMINALS & CONTACTS	COPPER	GOLD FLASH OVER SILVER
ACTUATOR	PHENOLIC, BLACK, UL94 V-1	
LEVER	BRASS	CHROME
SPRING	MUSIC WIRE	
PIVOT PIN	STEEL	NICKEL
LOCK WASHER	STAINLESS STEEL	
LOCKING RING	STAINLESS STEEL	
NUTS	BRASS	NICKEL
TERMINAL SEAL	EPOXY, UL94V-0	
MARKING	INK, BLACK	
SUPPORT BRACKET	BRASS OR STEEL	TIN
SUPPORT BRACKET RETAINER	STAINLESS STEEL	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

MATERIAL
-

FINISH
-

TOLERANCES, UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .010
4 PLC ± -
ANGLES ± 2°

APVD
M. ZITTO

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT

CUSTOMER DRAWING

SCALE 3:1

SHEET 3 OF 4

REV A5

DWN
M. ZITTO

CHK
M. ZITTO

APVD
M. ZITTO

18MAY05

TE Connectivity

GEMINI AE SERIES TOGGLE SWITCH,
SINGLE POLE

SIZE
A2

CAGE CODE
00779

DRAWING NO
C-1825142

RESTRICTED TO
-

D

C

B

A

1825142

B

A

1471-9 (1/15)