
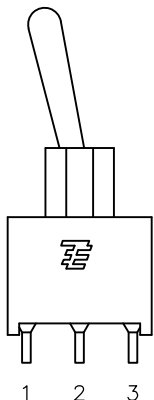
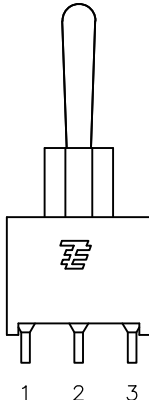
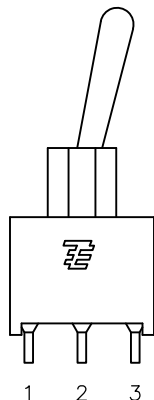


SPECIFICATIONS CHART	
RATING, B CONTACTS	.4VA MAX @20V MAX. AC OR DC
RATING, G CONTACTS—SEE NOTE 2	.4VA MAX @20V MAX. AC OR DC OR
	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
RATING, Q CONTACTS	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
ELECTRICAL LIFE	6,000 CYCLES AT RATED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

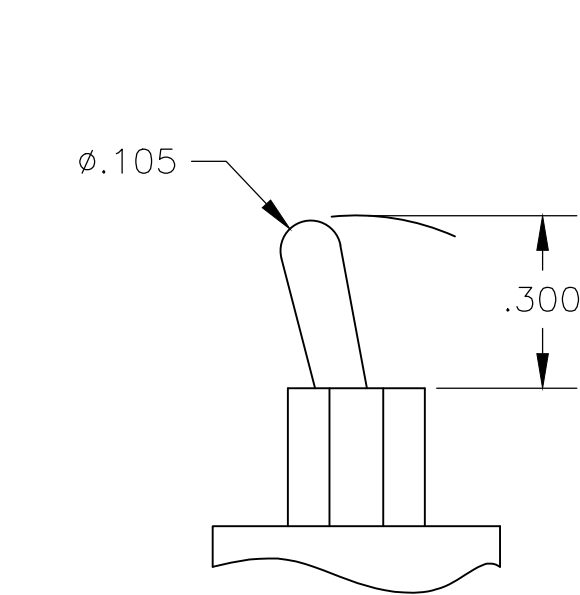
EXAMPLE: AE101SD1CQ04

EXAMPLE: AE101SD1CQ04

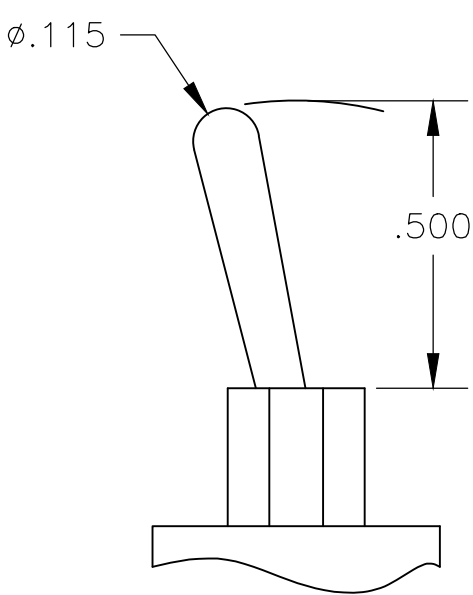
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO		18MAY05		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN M. ZITTO CHK — APVD M. ZITTO — PRODUCT SPEC — APPLICATION SPEC —		NAME	
		0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± .010 4 PLC ± — ANGLES ± ± 2°		GEMINI AE SERIES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

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

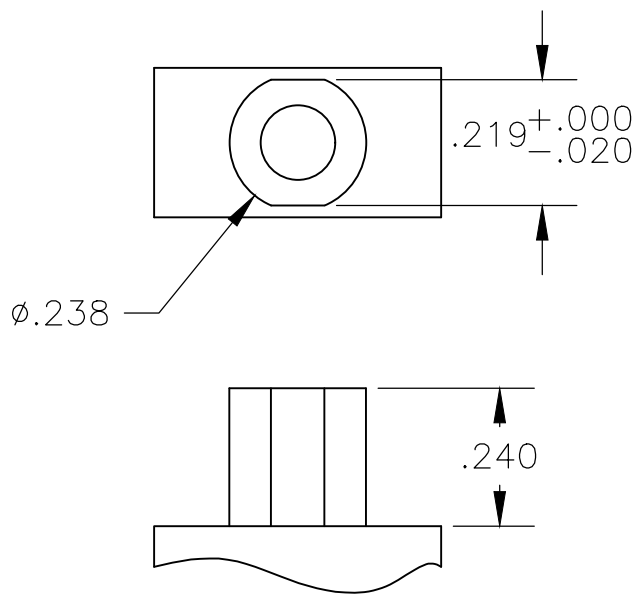
D



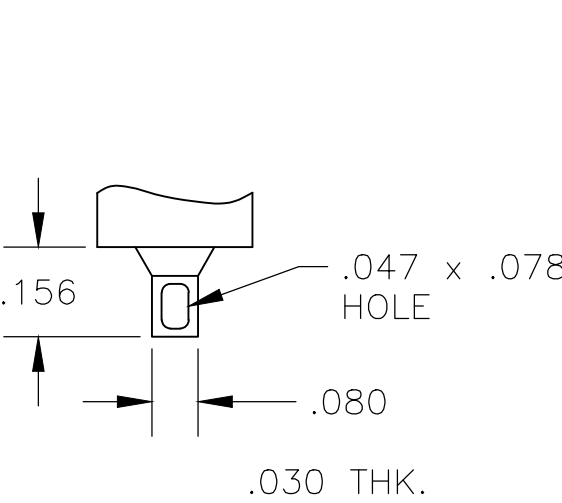
M SHORT



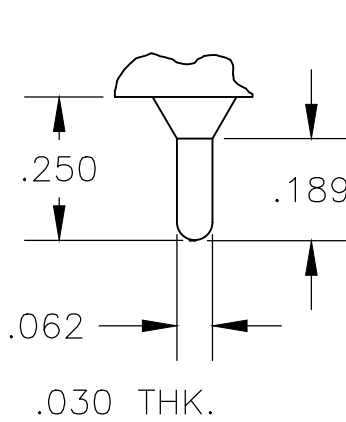
S STANDARD



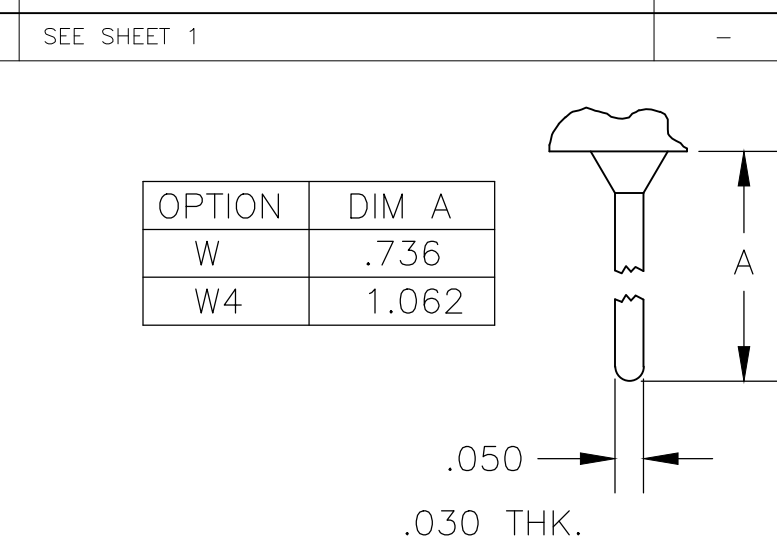
D1 BUSHING



Z WIRE LUG

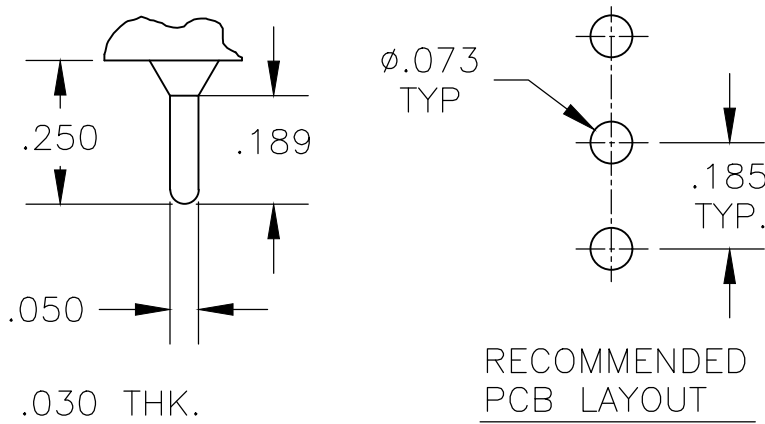


Z3 QUICK CONNECT

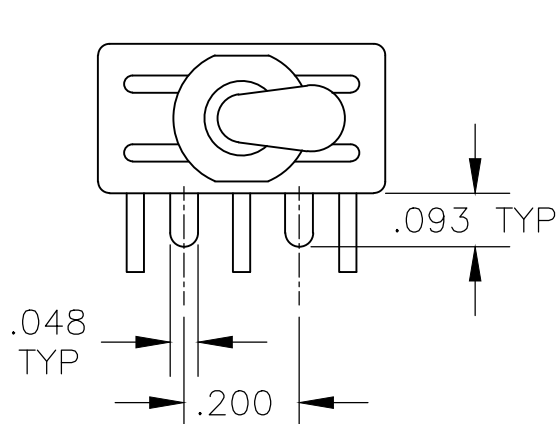


W W4 WIRE WRAP

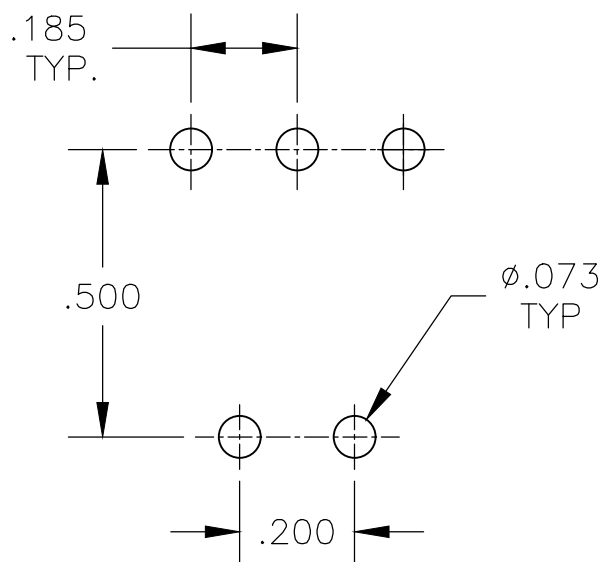
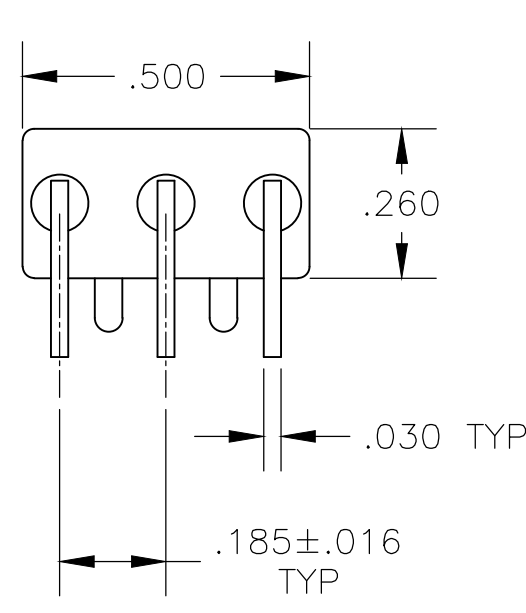
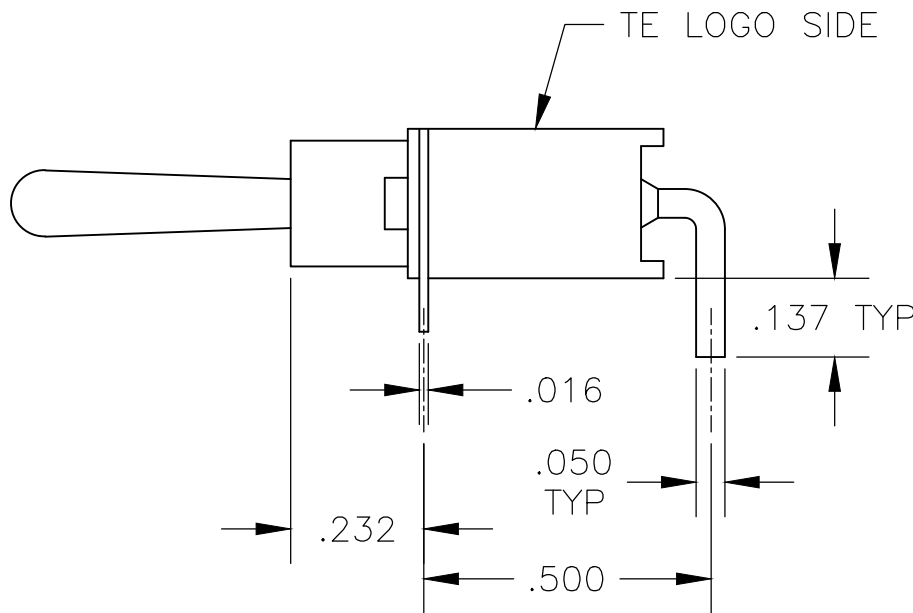
C



C PRINTED CIRCUIT

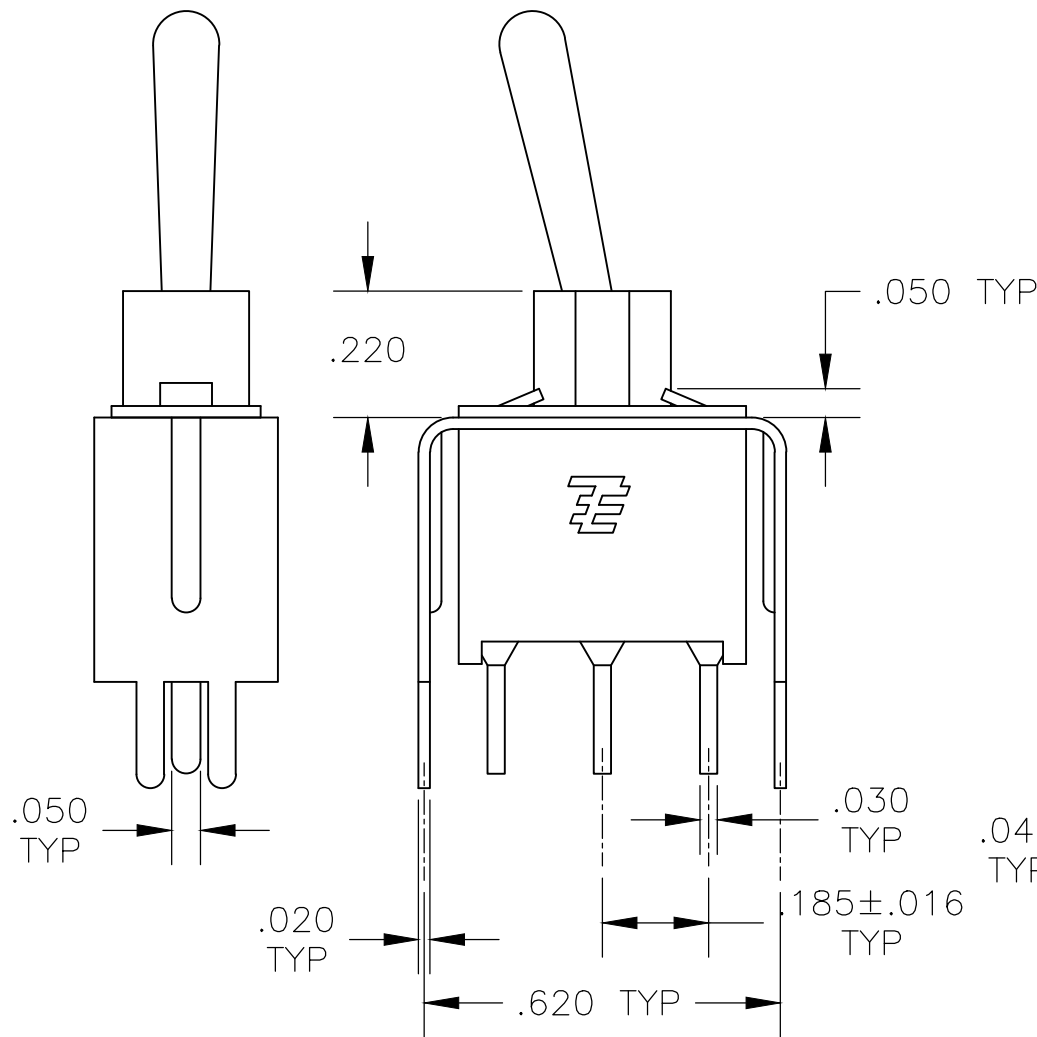


A RIGHT ANGLE

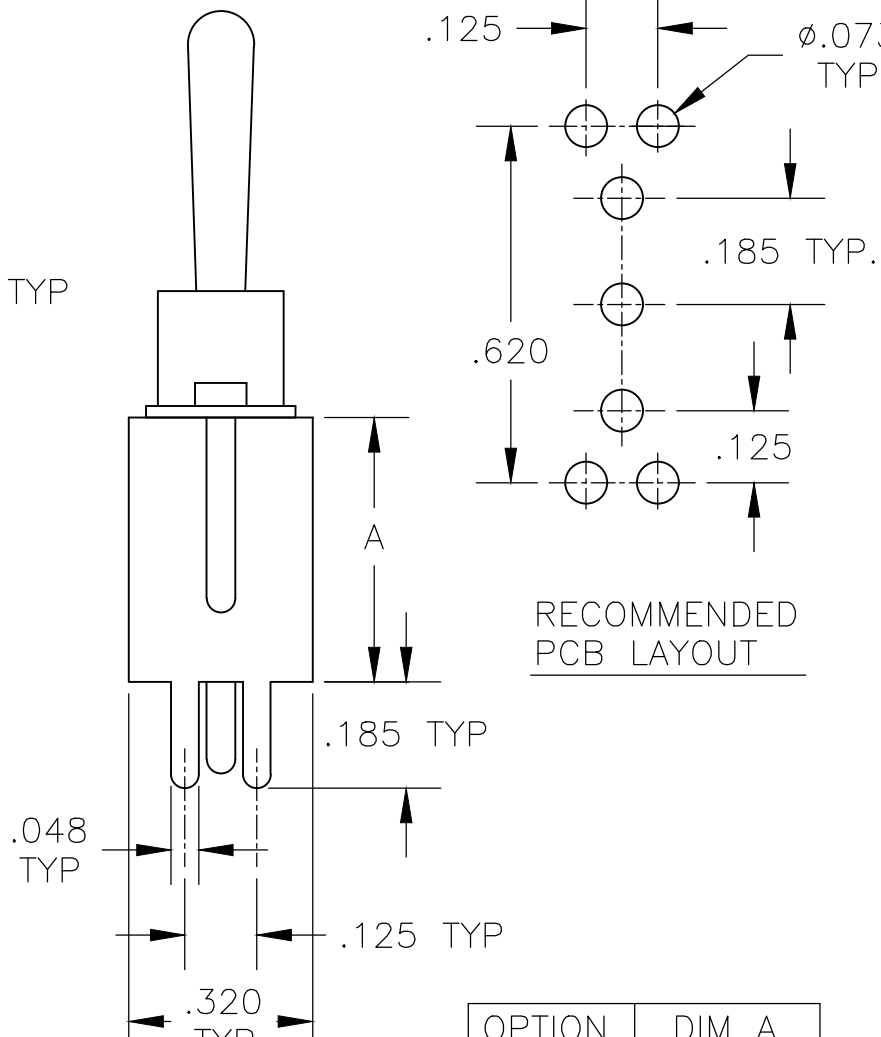


RECOMMENDED PCB LAYOUT

B

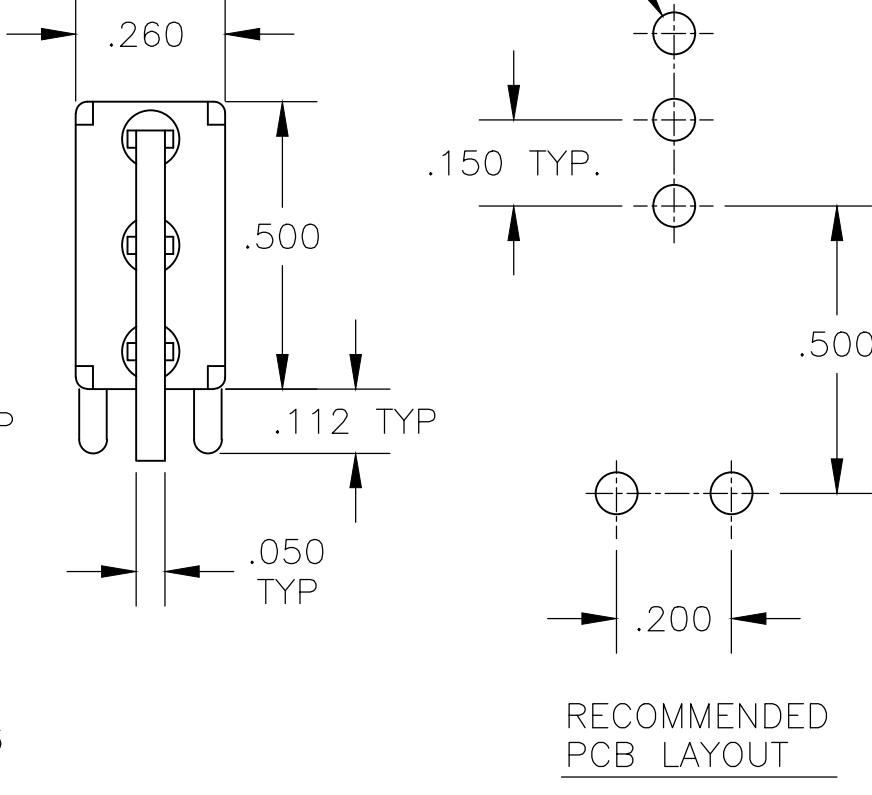
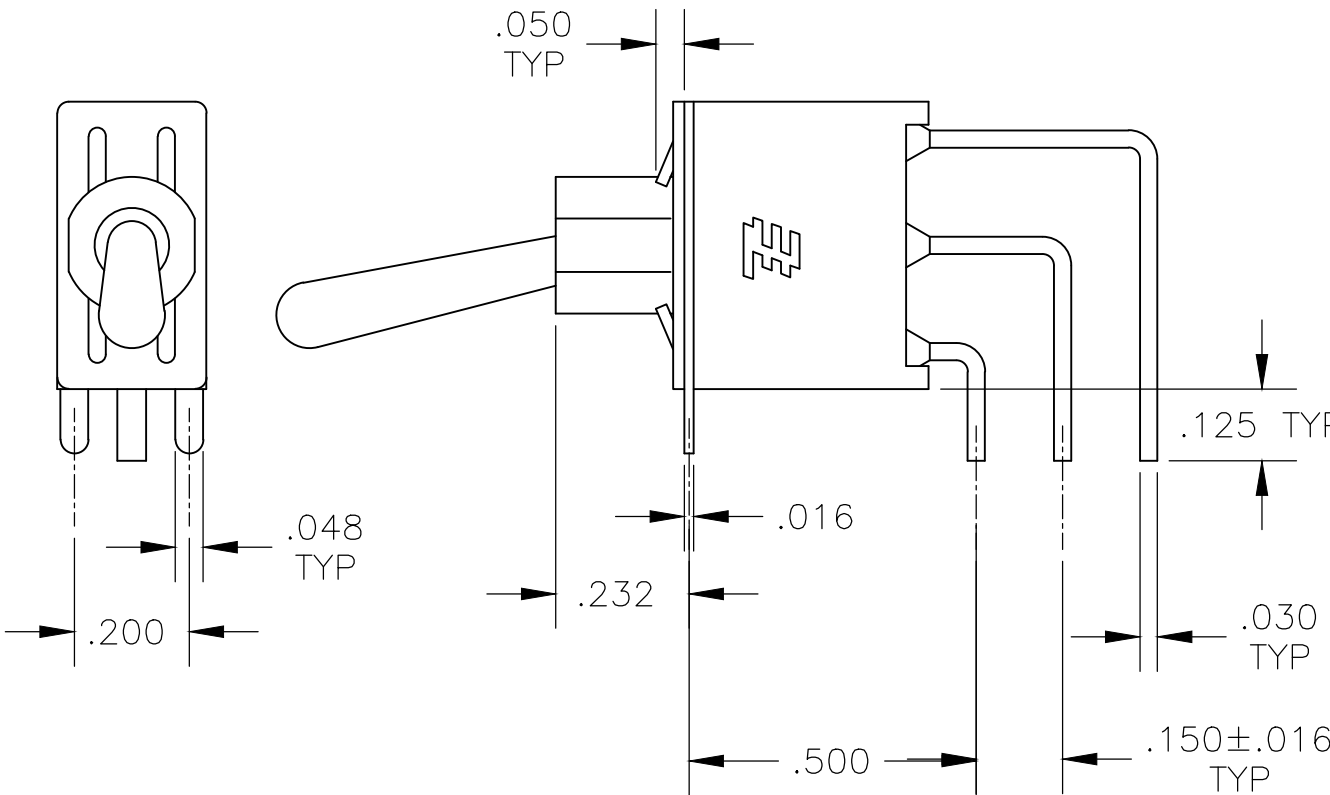


V30 V40 VERTICAL SUPPORT BRACKET



OPTION	DIM A
V30	.460
V40	.630

AV2 VERTICAL RIGHT ANGLE



RECOMMENDED PCB LAYOUT

A

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO	18MAY05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. ZITTO	-		
		APVD M. ZITTO	-	NAME GEMINI AE SERIES TOGGLE SWITCH, SINGLE POLE	
		PRODUCT SPEC	-	SIZE A2	
MATERIAL		APPLICATION SPEC	-	CAGE CODE 00779	DRAWING NO 1825142
FINISH		WEIGHT	-	RESTRICTED TO	-
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	

1471-9 (1/15)

1825142

1825142

1825142

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

TOLERANCES, UNLESS OTHERWISE SPECIFIED:

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

MATERIAL

-

FINISH

-

DWN
M. ZITTO

CHK
M. ZITTO

APVD
M. ZITTO

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

18MAY05

-

-

-

-

SCALE
3:1

SHEET
3 OF 4

REV
A5

TE Connectivity

GEMINI AE SERIES TOGGLE SWITCH,
SINGLE POLE

SIZE
A2

CAGE CODE
00779

DRAWING NO
C-1825142

RESTRICTED TO
-

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[AE101MD1W4B04](#) [AE208SD1W4B04](#) [MS24659-22D](#) [MS27407-5](#)