

1-1825138-4 Product Details

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1-1825138-4
(A201MYZQ04)
TE Internal Number: 1-1825138-4
[Active](#)

Toggle Switches

[Always EU RoHS/ELV Compliant \(Statement of Compliance\)](#)

Product Highlights:

- A Series
- Double Pole - Double Throw Configuration (Pole-Throw)
- Current Rating = 5 A
- Mount Style = Solder
- Termination Type = Wire Lugs

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITI...](#) (PDF, English)

Catalog Pages/Data Sheets:

- [SWITCHES_CORE_PROGRAM_CATALOG](#) (PDF, English)
- [GEMINI_SERIES_SWITCHES_QUICK_REF_GUIDE_2-1773458-5](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Additional Product Images:

- [Product Photo](#)

Related Products:

- [Tooling](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Series = A
- Termination Type = Wire Lugs

Electrical Characteristics:

- Current Rating (A) = 5

Termination Features:

- Seal Type = Terminal Seal (epoxy)

Body Features:

- Mount Style = Solder
- Bushing Style = Threaded
- Bushing Type = 1/4-40

Contact Features:

- Contact Plating = Silver

Housing Features:

- Toggle Actuation = Vertical
- Toggle Style = Baton Short
- Toggle Length (mm [in]) = 5.08 [0.200]
- Process Sealed = No

Configuration Features:

- Configuration (Pole-Throw) = Double Pole - Double Throw
- [Operating Function](#) = On On

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C

	• RoHS/ELV Compliance History = Always was RoHS compliant Other: • Brand = Alcoswitch
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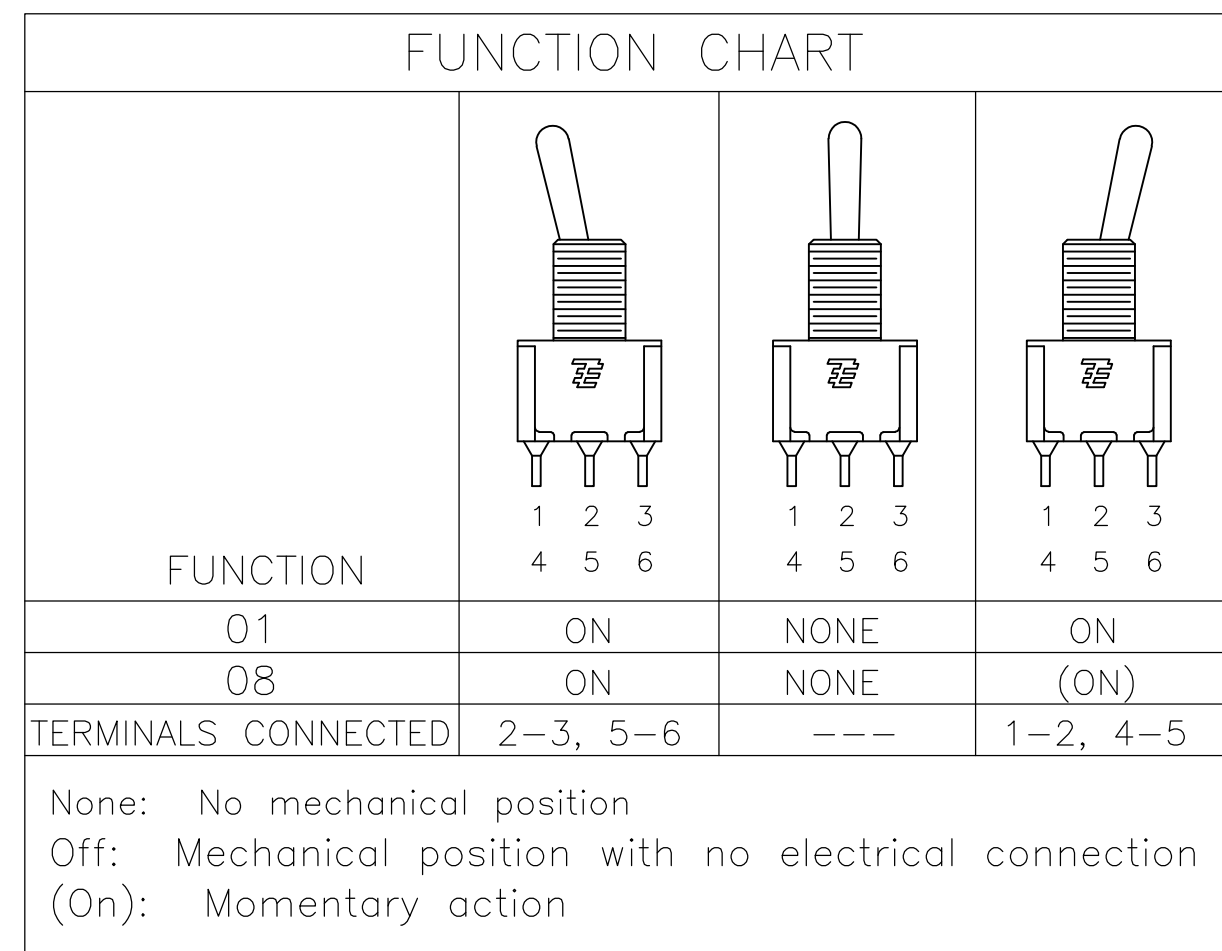
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Keep Me Informed



- 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 STAMPED 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.



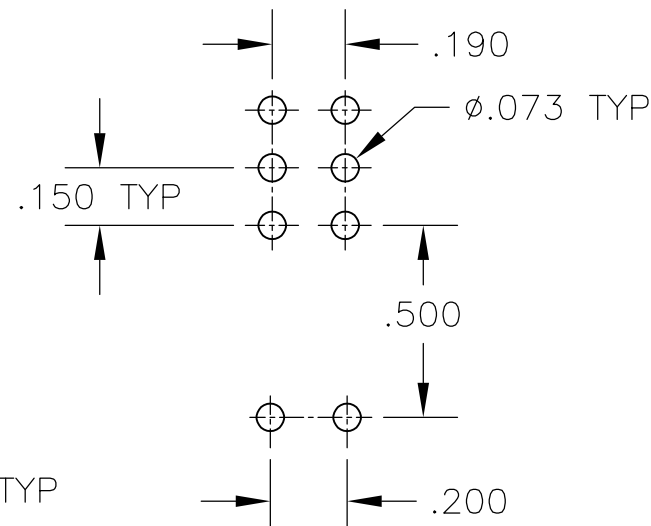
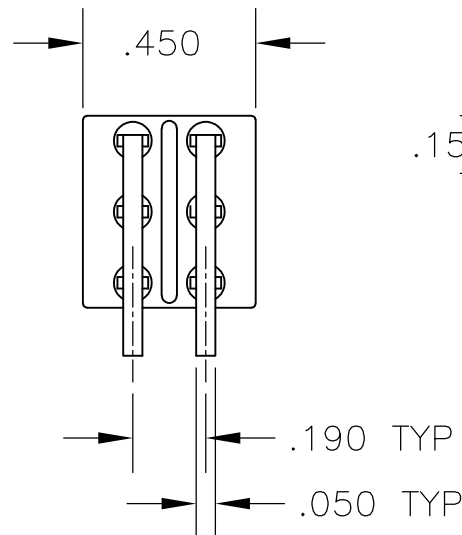
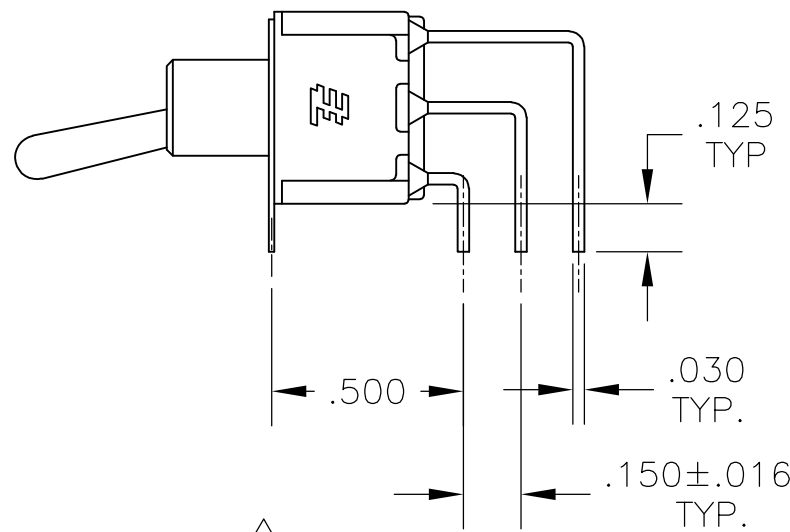
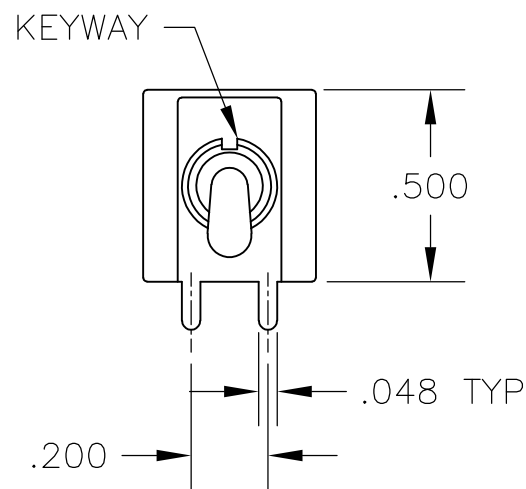
PART NUMBER SEQUENCE CHART							
MODEL	FUNCTION	TOGGLE	BUSHING	TERMINAL	CONTACT	RoHS	
MPLE: A201SYCQ04	A2	01	K	CW	A	B	04
		08	K1	D	AV2	G	
			L	D9	C	Q	
			L1	H	V30		
			L2	Y	V40		
			M	Y9	V70		
			P3		W		
			S		W4		
			T		Z		
			T1		Z3		

EXAMPLE: A201SYCQ04

THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN M. ZITTO 18MAY05 CHK M. ZITTO APVD M. ZITTO		 TE Connectivity			
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME		GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08)		
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .010 4 PLC ± - ± .2" ANGLES		PRODUCT SPEC —		—		
MATERIAL —		FINISH —		APPLICATION SPEC —		SIZE A2		RESTRICTED TO —
				WEIGHT —		GAGE CODE 00779		DRAWING NO C-1825138
CUSTOMER DRAWING						SCALE 3:1		SHEET 1 of 4
						REV A4		

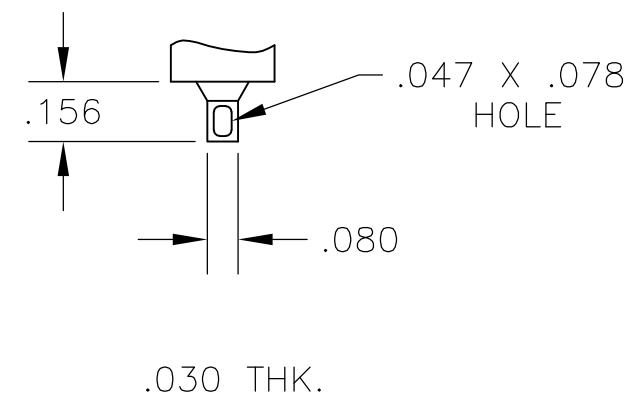
LOC		DIST		REVISIONS					
AD		00		P	LTR	DESCRIPTION			DATE
						SEE SHEET 1			DWN
									APVD

D



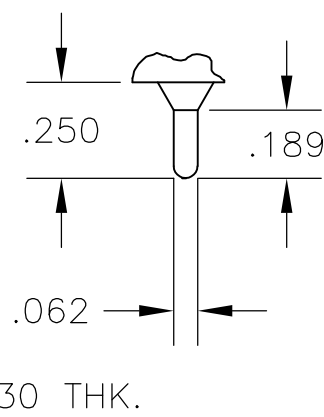
RECOMMENDED
PCB LAYOUT

AV2 VERTICAL RIGHT ANGLE 5



.030 THK.

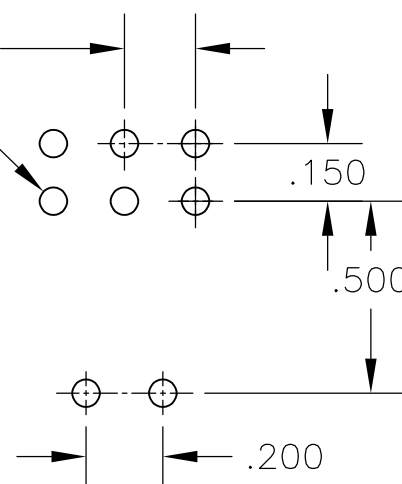
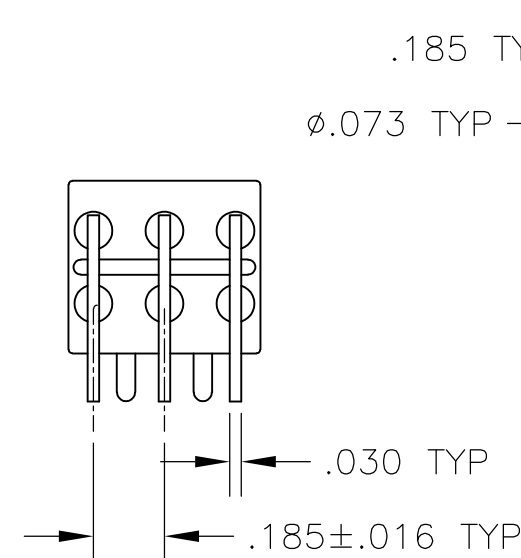
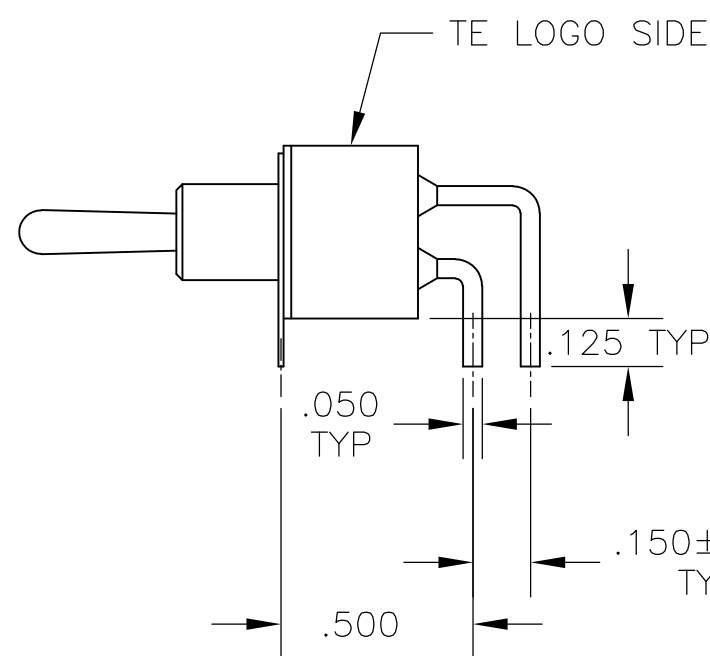
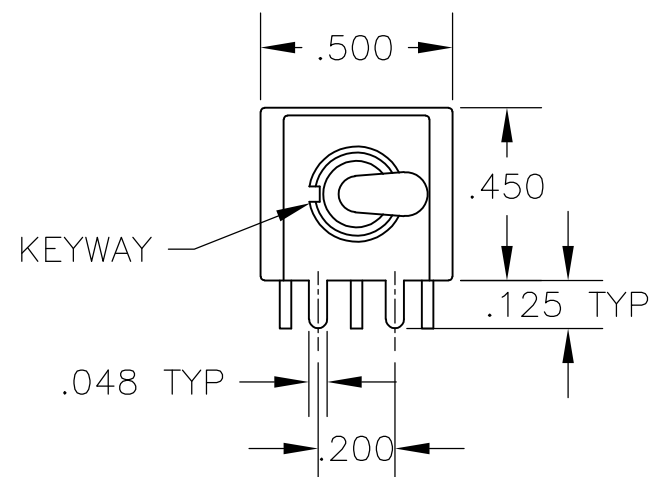
Z WIRE LUG



.030 THK.

Z3 QUICK CONNECT

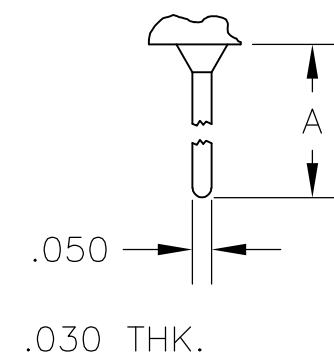
C



RECOMMENDED
PCB LAYOUT

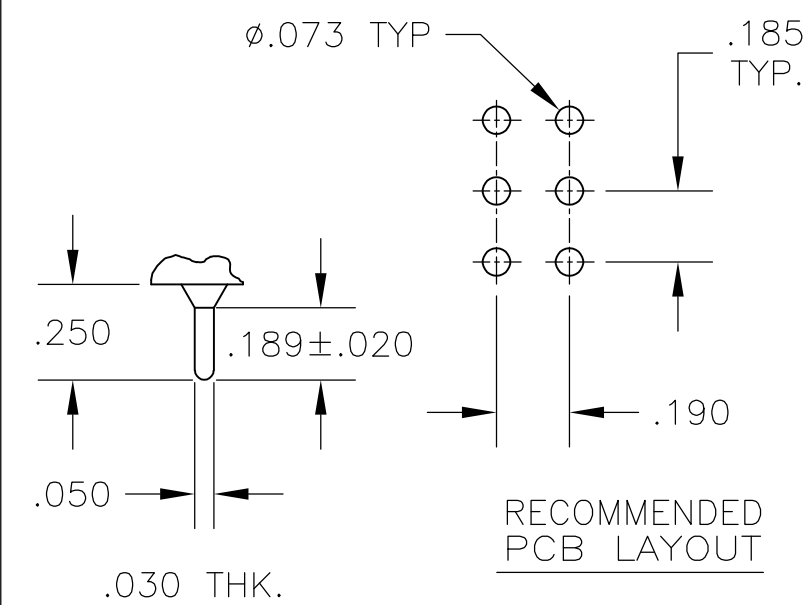
A RIGHT ANGLE 5

OPTION	DIM A
W	.736
W4	1.062



.030 THK.

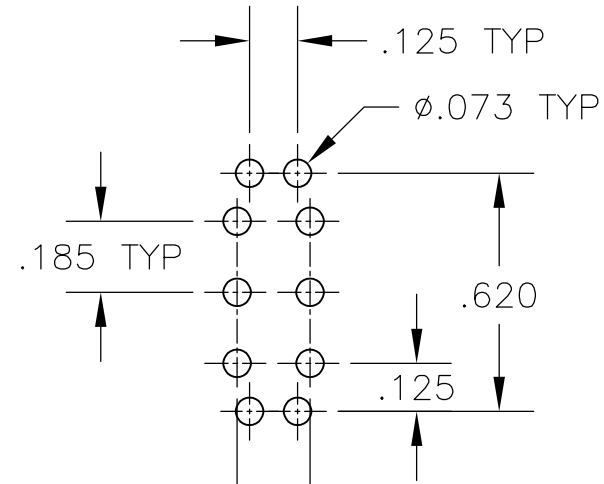
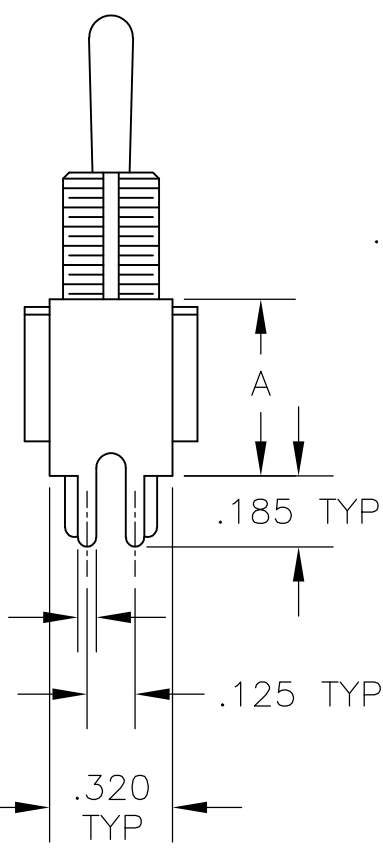
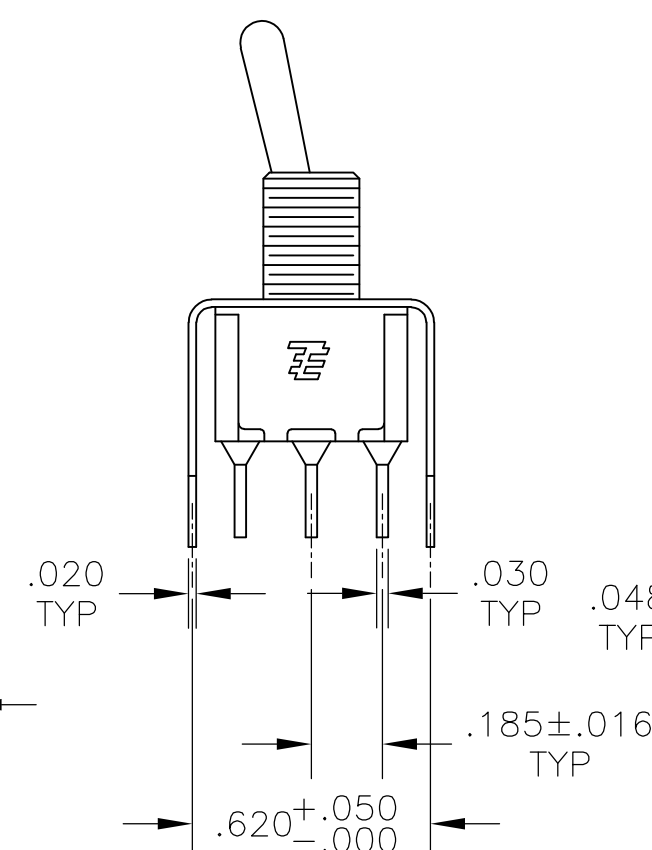
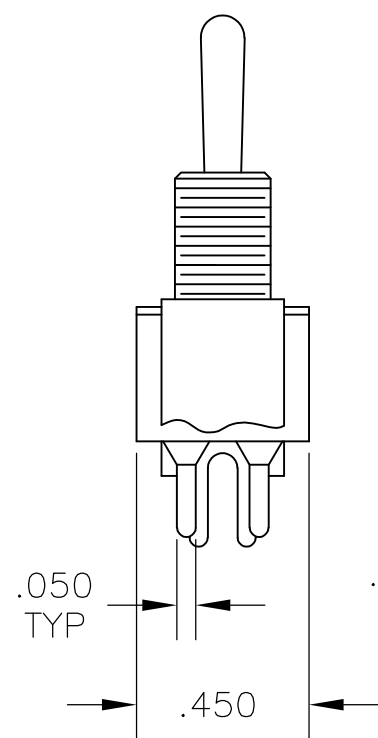
W W4 WIRE WRAP



RECOMMENDED
PCB LAYOUT

C PRINTED CIRCUIT

B



RECOMMENDED
PCB LAYOUT

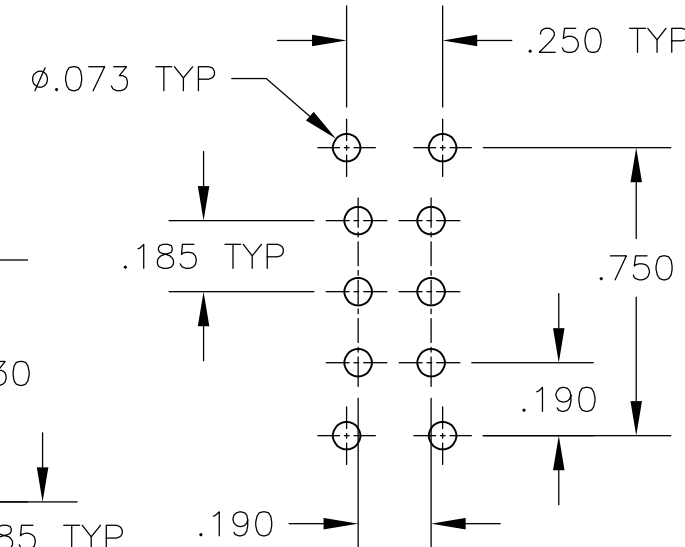
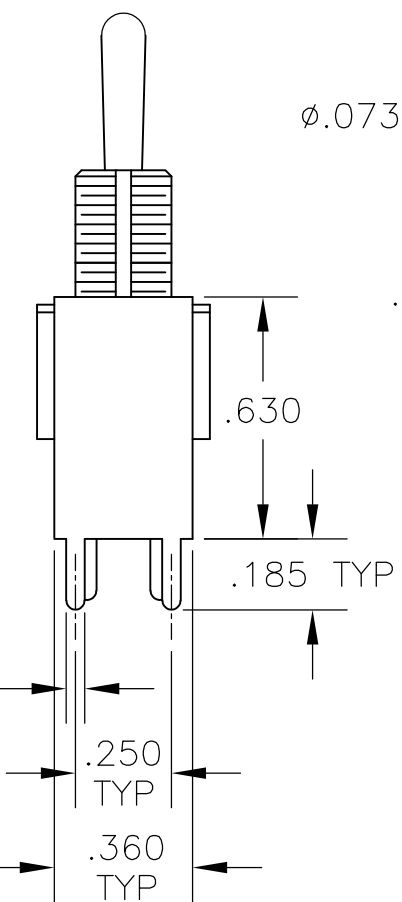
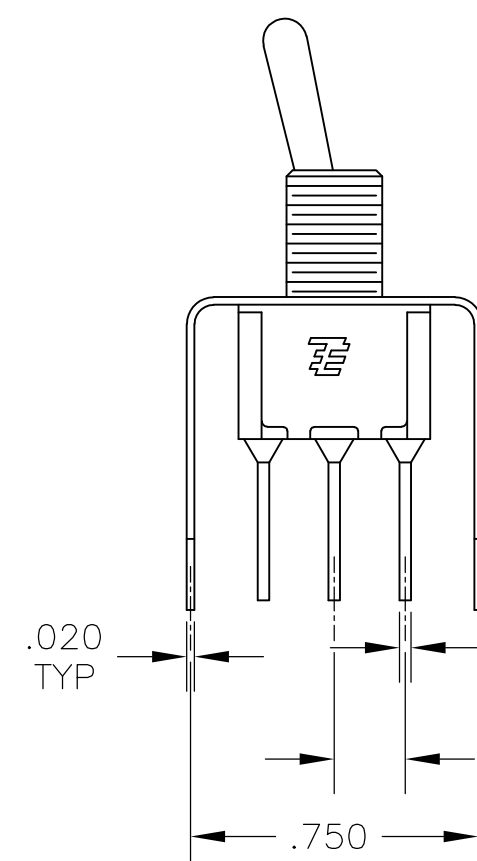
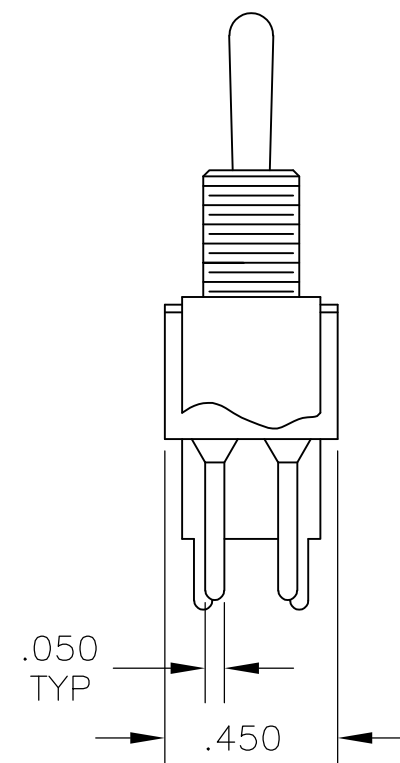
OPTION	DIM A
V30	.460
V40	.630

V30 V40 5

VERTICAL SUPPORT BRACKET

V70

VERTICAL SUPPORT BRACKET



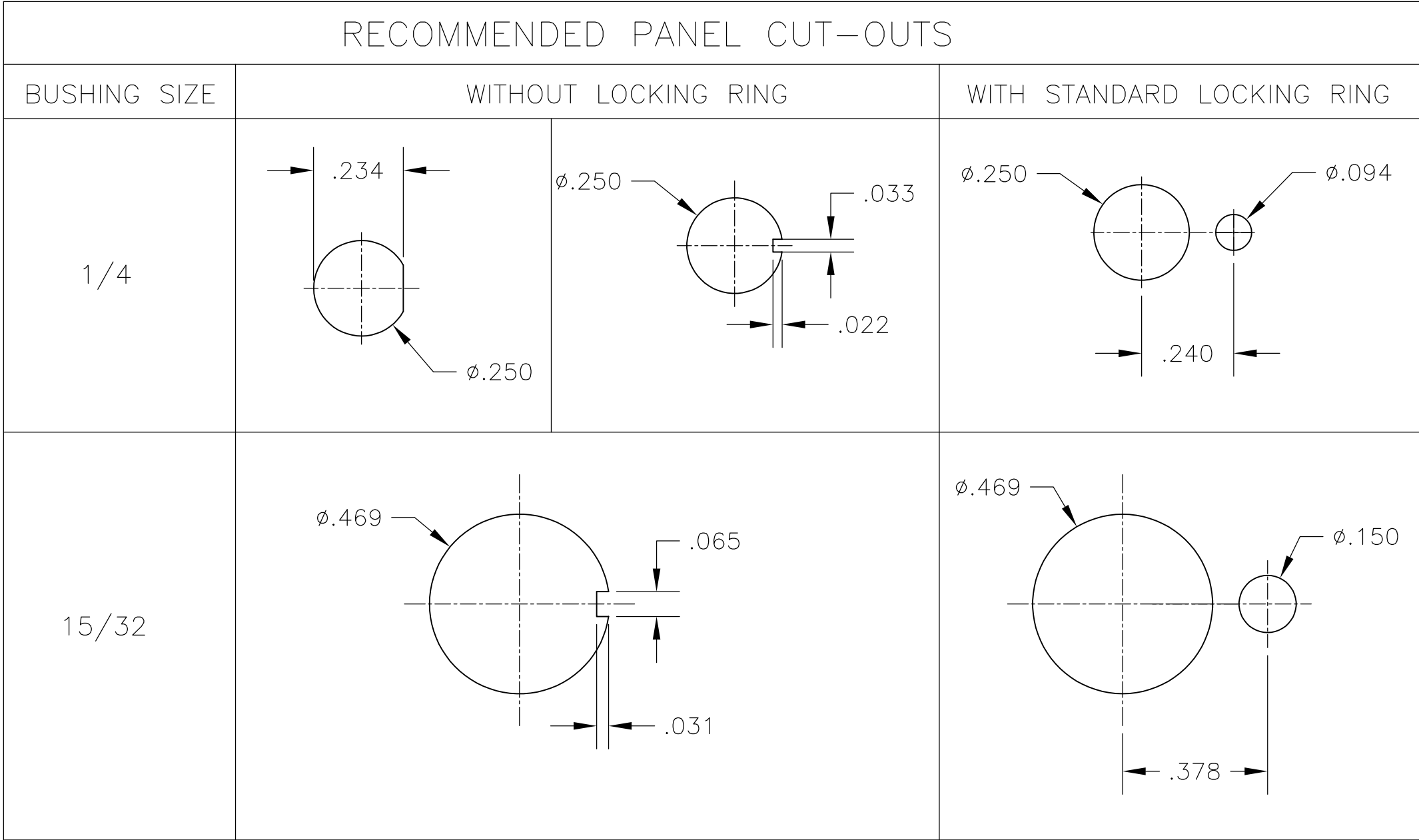
RECOMMENDED
PCB LAYOUT

A

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	14APR05	TE Connectivity			
				CHK	-				
				APVD	-	NAME			
				PRODUCT SPEC	-	GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08)			
				APPLICATION SPEC	-				
				WEIGHT	-	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
				CUSTOMER DRAWING	-	A2	00779	C=1825138	-
				SCALE	2:1	SHEET		3 of 4	REV
									A4

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

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



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.

DIMENSIONS:
INCHES

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .010

4 PLC ± -

ANGLES ± -

FINISH -

DWN
M. ZITTO

CHK
M.ZITTO

APVD
P.BROUILLETTE

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

14APR05

TE Connectivity

NAME
GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE,
2 POSITION FUNCTIONS (01 & 08)

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1825138

RESTRICTED TO
-

SCALE
3:1

SHEET
4 of 4

REV
A4