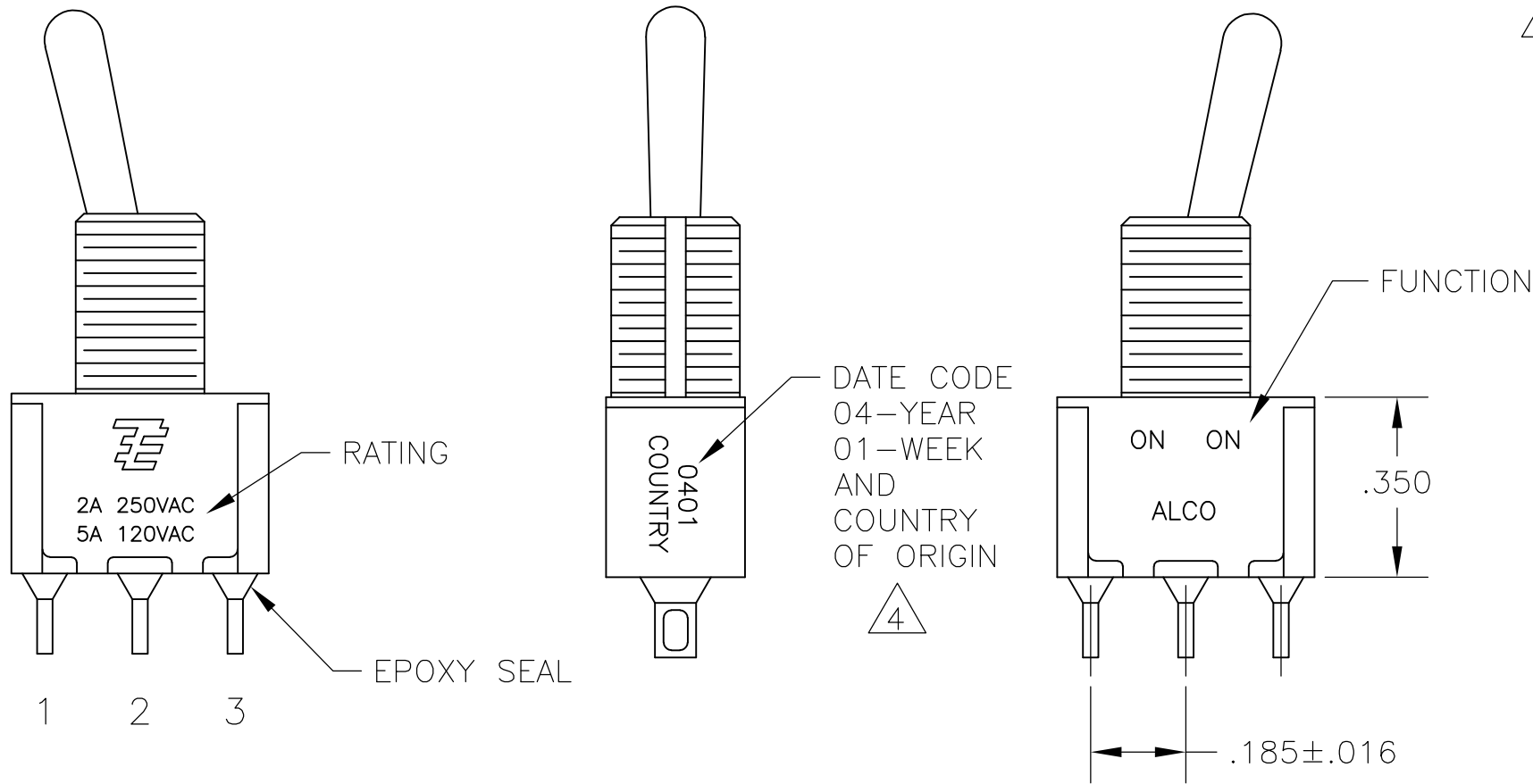
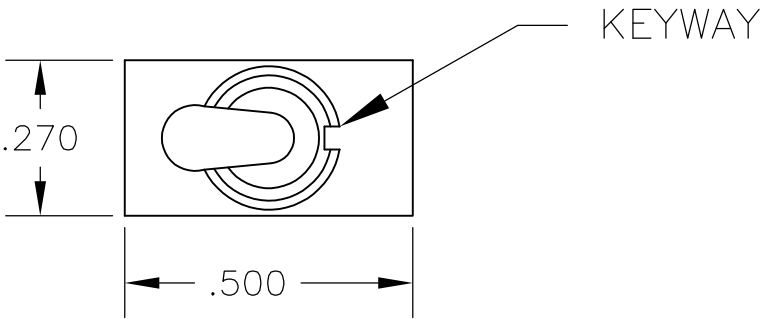


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
AD	00		A7	REVISED PER ECO-14-005988	23APR2014	NK	RH

- 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 FOLLWING 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
- 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.



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

FUNCTION CHART			
FUNCTION			
03	ON	OFF	ON
05	(ON)	OFF	(ON)
07	ON	OFF	(ON)
TERMINALS CONNECTED	2-3	---	1-2
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
A1	03	K	CW	A	B	04
	05	K1	D	AV2	G	
	07	L	D9	C	Q	
EXAMPLE: A103SYCQ04		L1	H	V30		
		L2	Y	V40		
		M	Y9	W		
		P3		W4		
		S		Z		
		T		Z3		
		T1				

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO	18MAY05	TE Connectivity		
DIMENSIONS: INCHES		CHK M. ZITTO	-			
		APVD M. ZITTO	-	NAME GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE, 3 POSITION FUNCTIONS (03, 05 & 07)		
		PRODUCT SPEC	-			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	-	SIZE	CAGE CODE	DRAWING NO
0 PLC ± -				A2	00779	C=1825137
1 PLC ± -				RESTRICTED TO		
2 PLC ± -				-		
3 PLC ± .010						
4 PLC ± -						
ANGLES ± 2°						
MATERIAL		WEIGHT	-			
FINISH		CUSTOMER DRAWING		SCALE	SHEET	REV
				3:1	1 of 4	A7

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

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TOGGLES

Diagram of Toggle M (Short) showing dimensions: $\phi.105$, L, and mounting base.

Diagram of Toggle S (Standard) showing dimensions: $\phi.115$, L, and mounting base.

DIM L	BUSHING TYPE	DIM L	BUSHING TYPE
.200	Y, H	.410	Y, H
.270	D, D9	.480	D, D9

Diagram of Toggle K showing dimensions: $\phi.579 \pm .022$ LOCKED, $\phi.640 \pm .022$ UNLOCKED, 1/4-40 UNS-2A, .055, .314.

Diagram of Toggle K1 showing dimensions: $\phi.610 \pm .022$ LOCKED, $\phi.680 \pm .022$ UNLOCKED, 1/4-40 UNS-2A, .055, .314.

Diagram of Toggle L showing dimensions: $\phi.130$, L, mounting base.

Diagram of Toggle L1 showing dimensions: $\phi.130$, L, mounting base.

Diagram of Toggle L2 showing dimensions: $\phi.130$, L, mounting base.

DIM L	BUSHING TYPE	DIM L	BUSHING TYPE	DIM L	BUSHING TYPE
.840	Y, H	.640	Y, H	.550	Y, H
.910	D, D9	.710	D, D9	.620	D, D9

Diagram of Toggle P3 showing dimensions: $\phi.314$, .040, .028, .100, .484, 1/4-40 UNS-2A, .297, .057.

Diagram of Toggle T showing dimensions: $\phi.240$, 15/32-32 UNS-2A, .687, .448, .020.

Diagram of Toggle T1 showing dimensions: $\phi.240$, 15/32-32 UNS-2A, .487, .448, .020.

BUSHINGS

Diagram of Bushing D (Threaded) showing dimensions: .028, .040, 1/4-40 UNS-2A, .280.

Diagram of Bushing Y (Threaded) showing dimensions: .028, .040, 1/4-40 UNS-2A, .350.

Diagram of Bushing CW (Threaded Splashproof) showing dimensions: $\phi.465$, .225, 1/4-40 UNS-2A, .296, .020, .057.

Diagram of Bushing H (High Torque) showing dimensions: $\phi.314$, .225, 1/4-40 UNS-2A, .296, .020, .040.

CONTAINS O-RING BETWEEN TOGGLE AND BUSHING AND BETWEEN BUSHING AND PANEL

Diagram of Bushing CW (Threaded Splashproof) showing dimensions: $\phi.465$, .225, 1/4-40 UNS-2A, .296, .020, .057.

Diagram of Bushing H (High Torque) showing dimensions: $\phi.314$, .225, 1/4-40 UNS-2A, .296, .020, .040.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	$\pm$	-
1 PLC	$\pm$	-
2 PLC	$\pm$	-
3 PLC	$\pm$	.010
4 PLC	$\pm$	-
ANGLES	$\pm$	2°
FINISH	-	-

MATERIAL

-

DWN: M. ZITTO

CHK: M. ZITTO

APVD: M. ZITTO

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

18MAY05

-

-

-

-

-

SCALE: 2:1

SHEET: 2 of 4

REV: A7

TE Connectivity

GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE, 3 POSITION FUNCTIONS (03, 05 & 07)

SIZE: A2

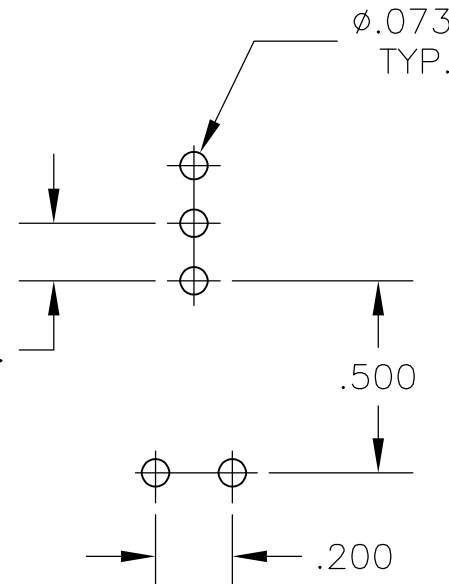
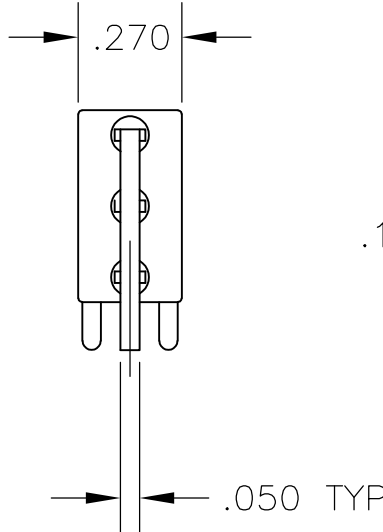
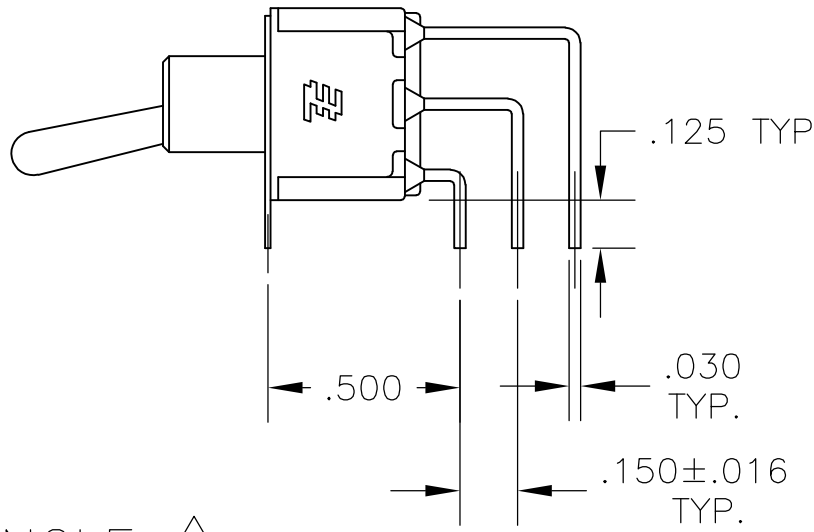
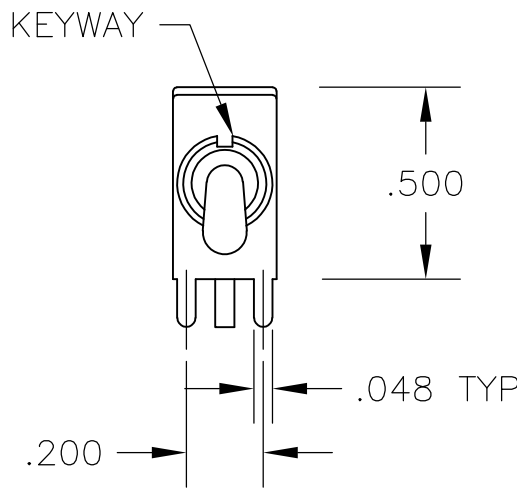
CAGE CODE: 00779

DRAWING NO: C=1825137

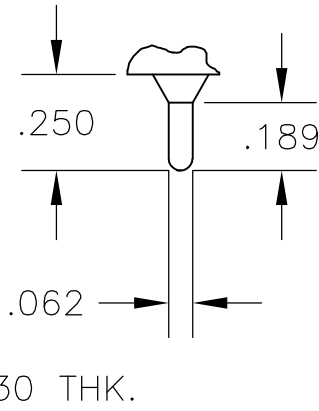
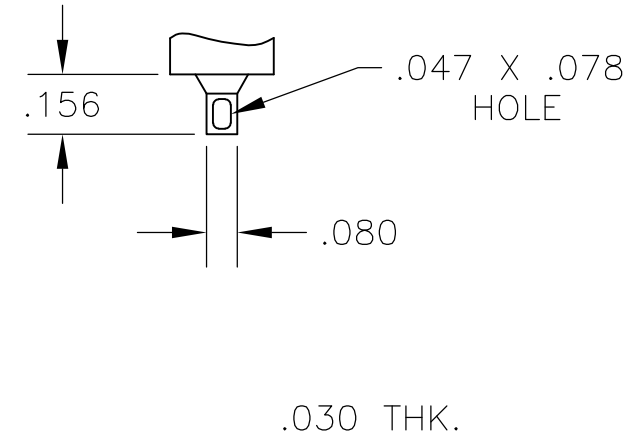
RESTRICTED TO: -

1471-9 (3/11)

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



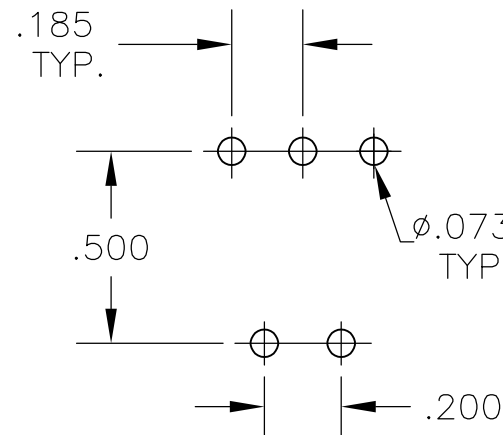
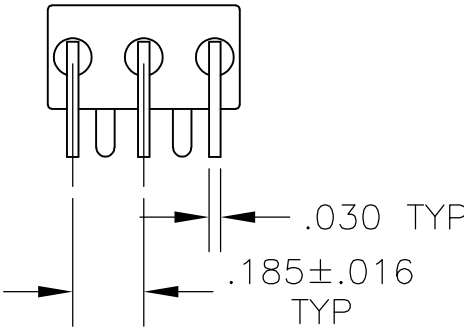
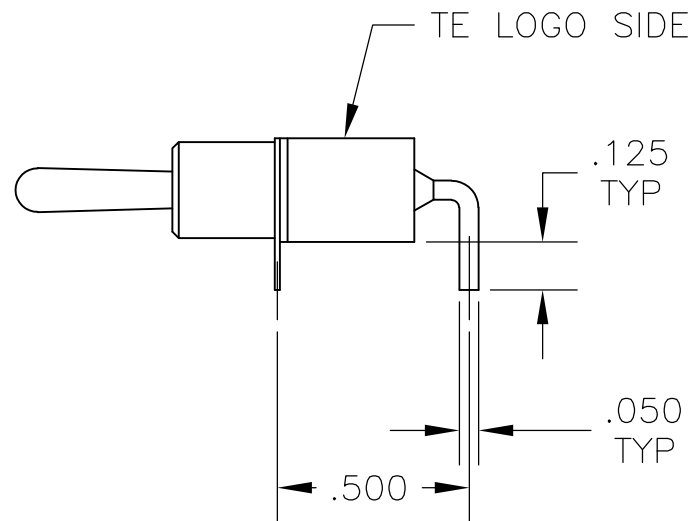
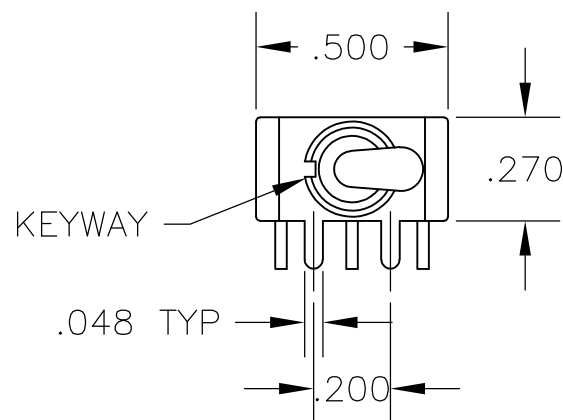
RECOMMENDED
PCB LAYOUT



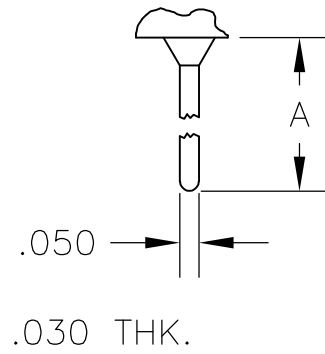
AV2 VERTICAL RIGHT ANGLE

Z WIRE LUG

Z3 QUICK CONNECT



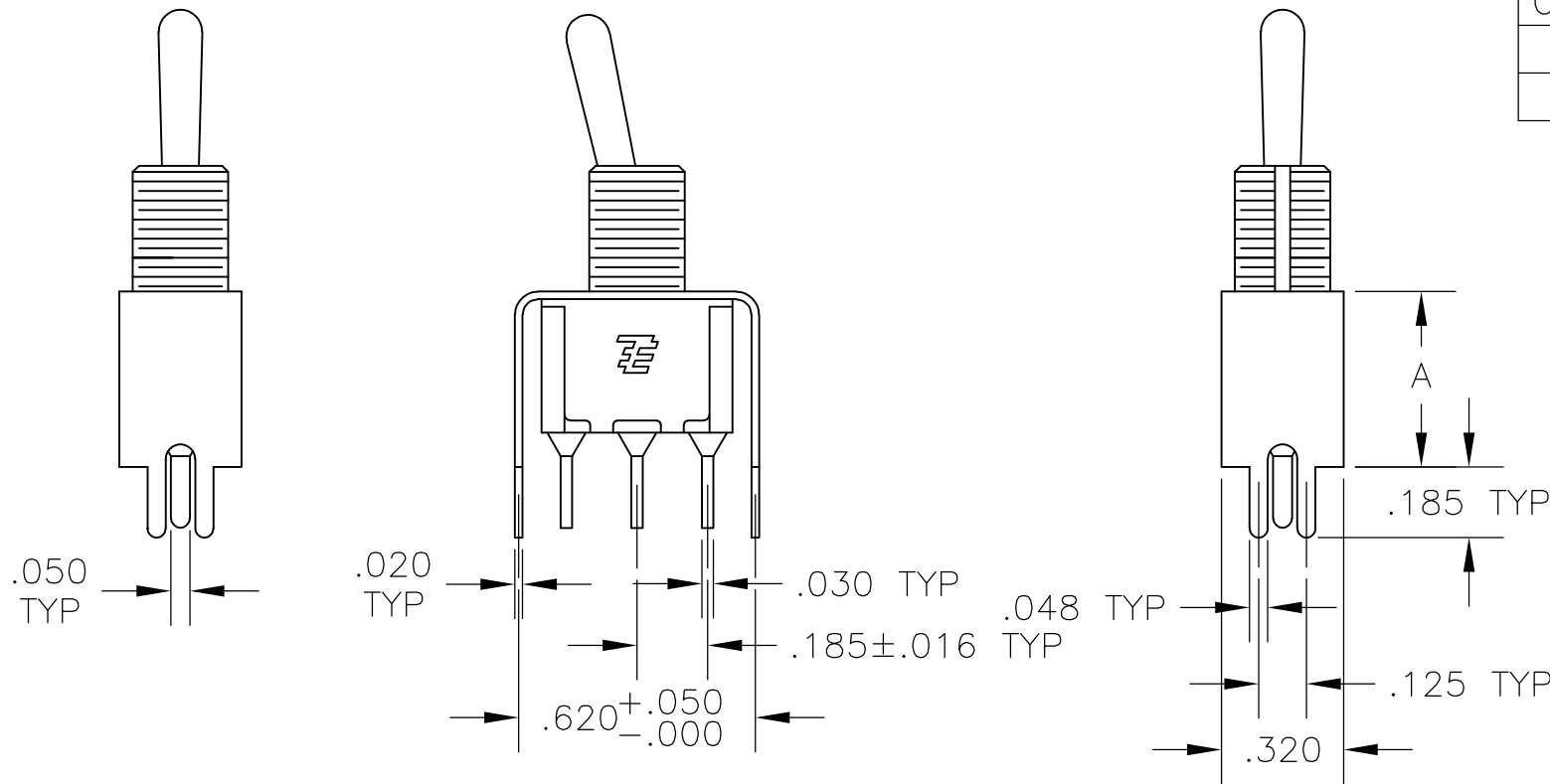
RECOMMENDED
PCB LAYOUT



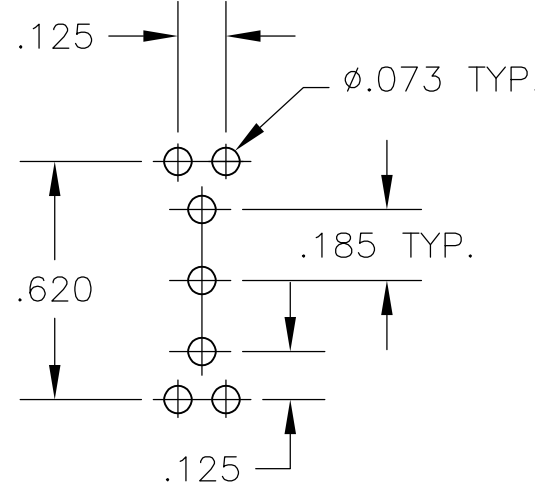
OPTION	DIM A
W	.736
W4	1.062

A RIGHT ANGLE

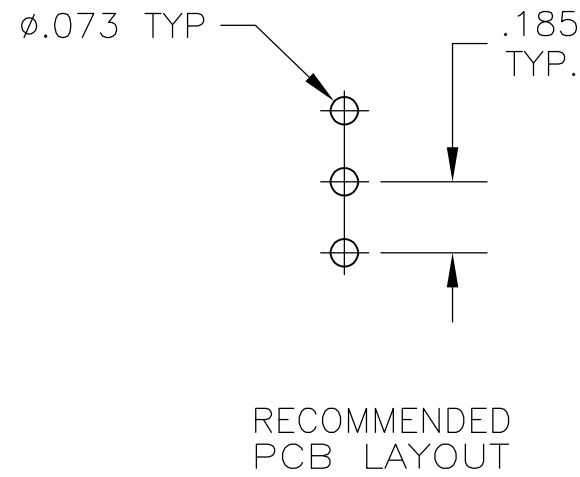
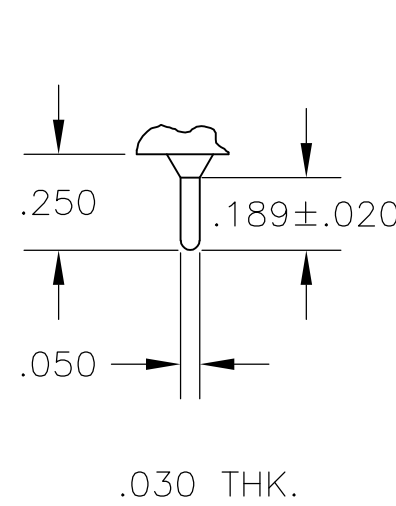
W W4 WIRE WRAP



OPTION	DIM A
V30	.460
V40	.630



RECOMMENDED
PCB LAYOUT



V30 V40
VERTICAL SUPPORT BRACKET

C PRINTED CIRCUIT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO	18MAY05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. ZITTO	-		
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE, 3 POSITION FUNCTIONS (03, 05 & 07)	
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .010 4 PLC ± - ANGLES ± 2°		APVD M. ZITTO	
MATERIAL -		FINISH -		PRODUCT SPEC -	
		APPLICATION SPEC -		SIZE A2	
		WEIGHT -		CAGE CODE 00779	
		CUSTOMER DRAWING		DRAWING NO C=1825137	
		SCALE 2:1		SHEET 3 of 4	
				REV A7	

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

D

C

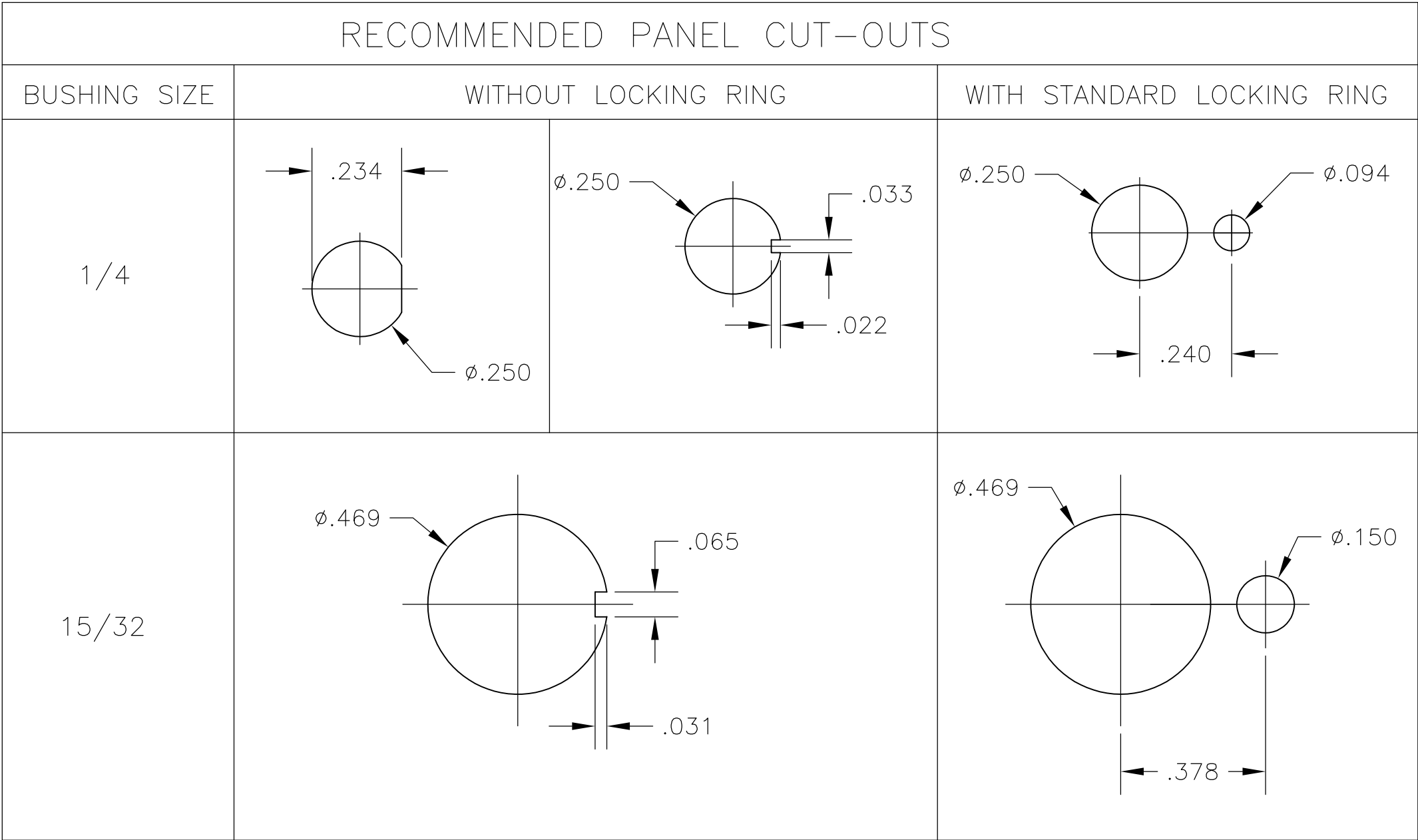
B

A

Alco P/N	P/N
A103KZQ04	1825137-1
A103MD9AB04	1825137-2
A103MD9AG04	1825137-3
A103MD9AQ04	1825137-4
A103MD9AV2B04	1825137-5
A103P3ZQ04	1825137-6
A103SD9AQ04	1825137-7
A103SD9AV2B04	1825137-8
A103SD9AV2Q04	1825137-9
A103SDCB04	1-1825137-0
A103SDCQ04	1-1825137-1
A103SDZQ04	1-1825137-2
A103SYAQ04	1-1825137-3
A103SYAV2Q04	1-1825137-4
A103SYCB04	1-1825137-5
A103SYCQ04	1-1825137-6
A103SYWB04	1-1825137-7
A103SYWQ04	1-1825137-8
A103SYZB04	1-1825137-9
A103SYZQ04	2-1825137-0
A103T1CG04	2-1825137-1
A103T1ZQ04	2-1825137-2
A103TZQ04	2-1825137-3
A105MD9AB04	2-1825137-4
A105MD9AQ04	2-1825137-5
A105MYV30Q04	2-1825137-6
A105P3CG04	2-1825137-7
A105P3CQ04	2-1825137-8
A105P3ZQ04	2-1825137-9
A103MDAB04	3-1825137-0
A105SD9AB04	3-1825137-1
A105SD9AV2Q04	3-1825137-2
A105SD9V30B04	3-1825137-3
A105SYAB04	3-1825137-4
A105SYAV2B04	3-1825137-5
A105SYCB04	3-1825137-6
A105SYCQ04	3-1825137-7
A105SYZB04	3-1825137-8
A105SYZQ04	3-1825137-9
A105T1ZB04	4-1825137-0
A105T1ZQ04	4-1825137-1
A105TZQ04	4-1825137-2
A107KAV2Q04	4-1825137-3
A107KZB04	4-1825137-4
A107MD9AV2B04	4-1825137-5
A107MD9CQ04	4-1825137-6
A107MD9V30Q04	4-1825137-7
A107P3ZQ04	4-1825137-8
A107SYAQ04	4-1825137-9
A107SYCB04	5-1825137-0
A107SYCQ04	5-1825137-1
A107SYZQ04	5-1825137-2
A107TZB04	5-1825137-3
A105MD9AV2B	5-1825137-4
A103MD9V30B04	5-1825137-5
A103MCWCB04	5-1825137-6
A103SCWCB04	5-1825137-7

OBSOLETE

PRELIMINARY
PRELIMINARY
PRELIMINARY



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.

DIMENSIONS:
INCHES

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DWN
M. ZITTO

CHK
M. ZITTO

APVD
M. ZITTO

PRODUCT SPEC

APPLICATION SPEC

WEIGHT
-

CUSTOMER DRAWING

18MAY05

TE Connectivity

NAME
GEMINI A SERIES TOGGLE SWITCH, SINGLE POLE,
3 POSITION FUNCTIONS (03, 05 & 07)

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1825137

RESTRICTED TO
-

SCALE
3:1

SHEET
4 of 4

REV
A7

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

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