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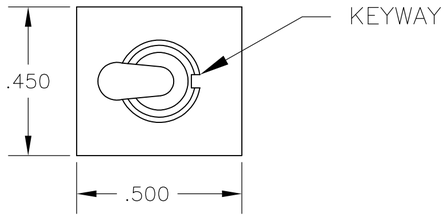
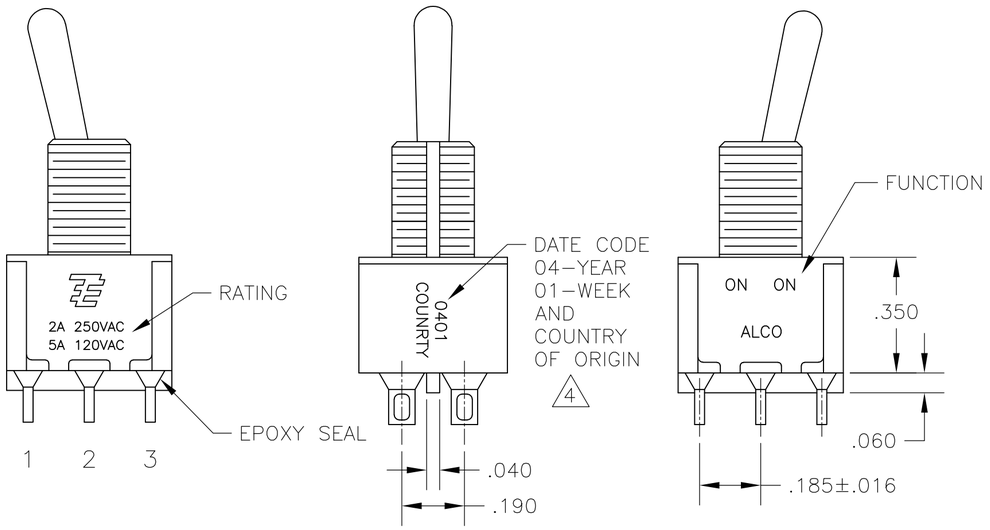
LOC	DIST
AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A5	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 THREDED BUSHINGS SUPPLIED WITH THE FOLLWING MOUNTING HARDWARE:
(2) HEX NUTS
(1) INTERNAL TOOTH LOCKWASHER
(1) LOCATING RING.

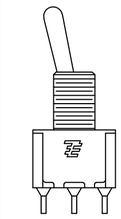
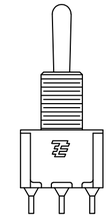
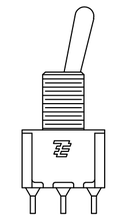
3 G CONTACT OPTION CAN BE USED FOR SIGNAL OR POWER LEVEL SWITCHING. IF SWITCH IS USED AT LEVELS EXCEEDING .4VA @ 20V AC/DC, SWITCH IS RENDERED FOR POWER SWITCHING ONLY DUE TO ARC REMOVAL OF GOLD PLATING. RATING MARKED ON FRAME IS 2A 250VAC, 5A 120 VAC.

△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.

6 ALL LOGO, RATING, DATE CODE, AND FUNCTION MARKINGS TO BE LASER MARKED.

FUNCTION CHART

FUNCTION			
	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6
01	ON	NONE	ON
08	ON	NONE	(ON)
TERMINALS CONNECTED	2–3, 5–6	–––	1–2, 4–5

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

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	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.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .010
4 PLC ± –
ANGLES ± 2°

MATERIAL –
FINISH –

DWN	M. ZITTO	18MAY05
CHK	M. ZITTO	–
APVD	M. ZITTO	–
PRODUCT SPEC	–	
APPLICATION SPEC	–	
WEIGHT	–	

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C–1825138	–

CUSTOMER DRAWING | SCALE 3:1 | SHEET 1 OF 4 | REV A5

1825138

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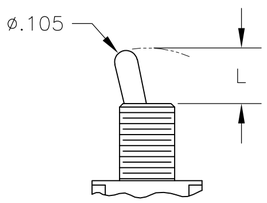
LOC	DIST
AD	00

REVISIONS

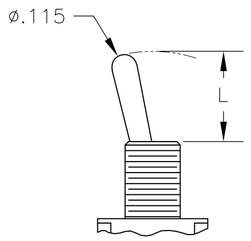
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

TOGGLES



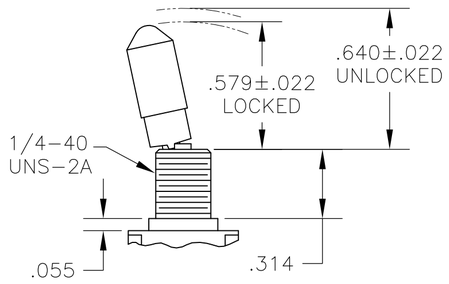
M SHORT

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



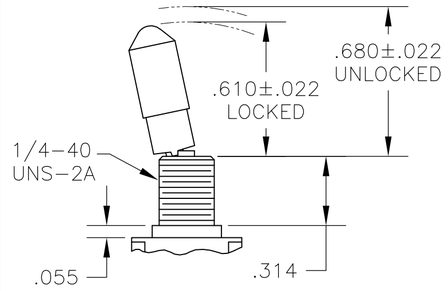
S STANDARD

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



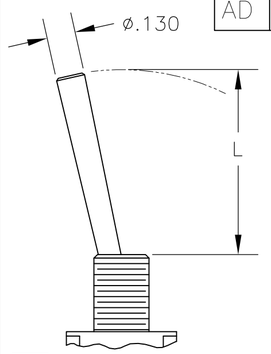
K

NO BUSHING OPTION NEEDED



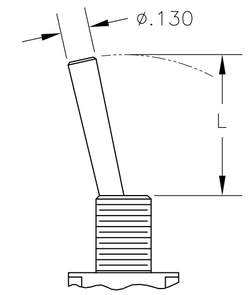
K1

NO BUSHING OPTION NEEDED



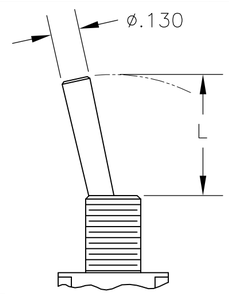
L LEVER

DIM L	BUSHING TYPE
.840	Y, H
.910	D, D9



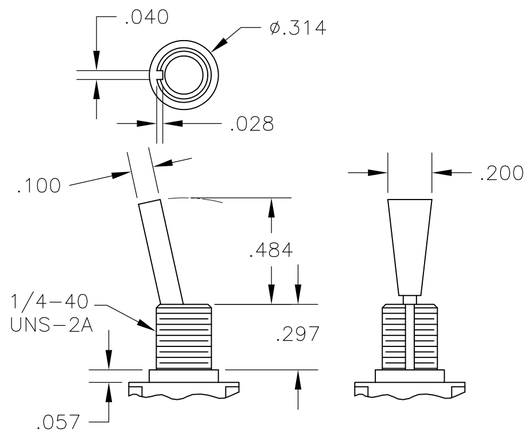
L1 LEVER

DIM L	BUSHING TYPE
.640	Y, H
.710	D, D9

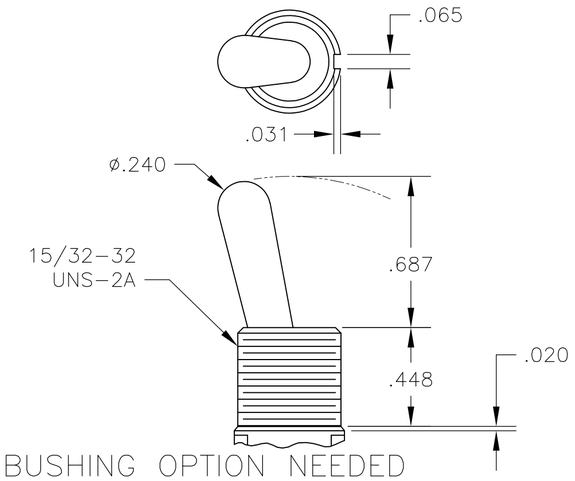


L2 LEVER

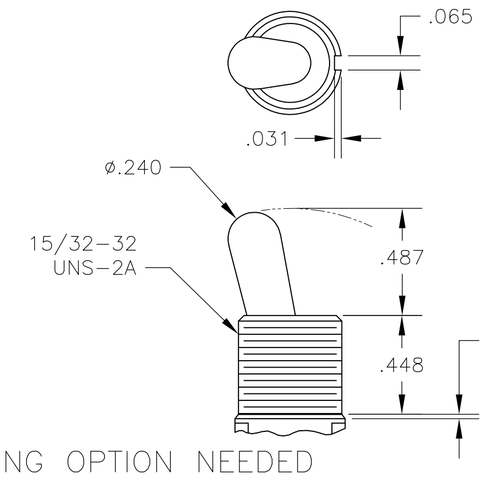
DIM L	BUSHING TYPE
.550	Y, H
.620	D, D9



P3 NO BUSHING OPTION NEEDED

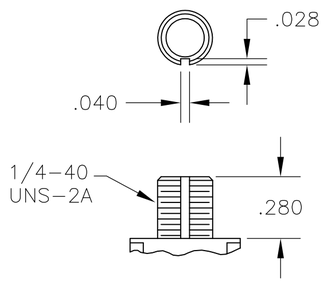


T NO BUSHING OPTION NEEDED



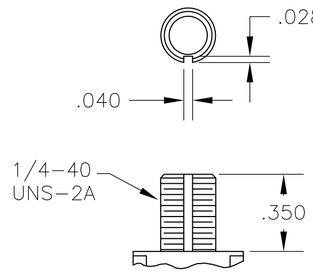
T1 NO BUSHING OPTION NEEDED

BUSHINGS



D THREADED

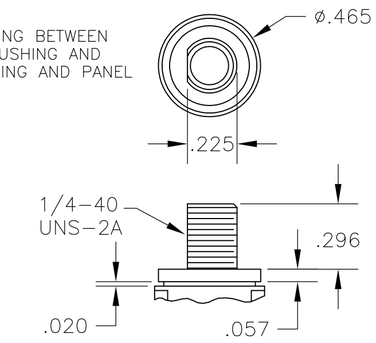
D9 UNTHREADED



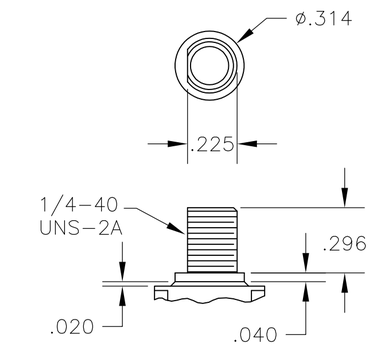
Y THREADED

Y9 UNTHREADED

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



CW THREADED SPLASHPROOF



H HIGH TORQUE

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DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .010
4 PLC ± -
ANGLES ± -

MATERIAL -

FINISH -

DWN	M. ZITTO 14APR05
CHK	M.ZITTO -
APVD	P.BROUILLETTE -
PRODUCT SPEC	-
APPLICATION SPEC	-
WEIGHT	-

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1825138	-

CUSTOMER DRAWING | SCALE 2:1 | SHEET 2 OF 4 | REV A5

1825138

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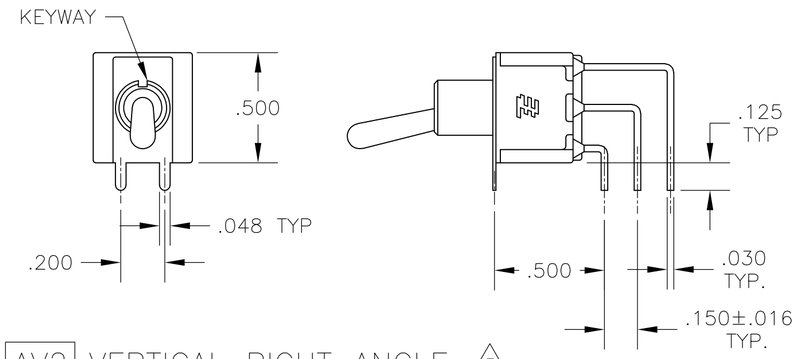
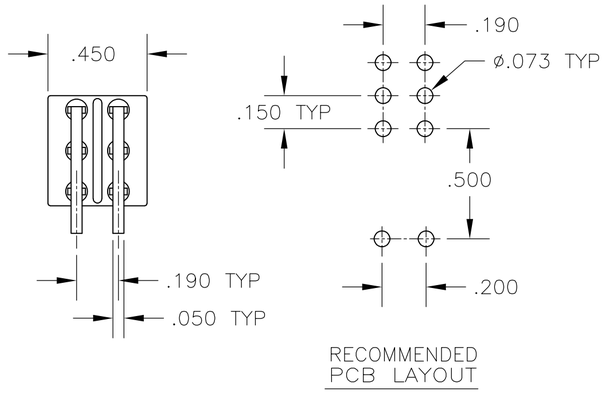
AD	00

REVISIONS

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

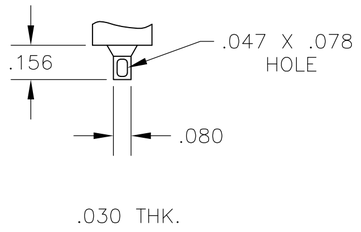
AV2 VERTICAL RIGHT ANGLE ⚠5





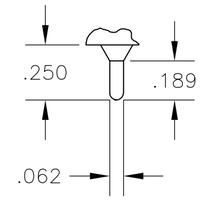
RECOMMENDED PCB LAYOUT

Z WIRE LUG



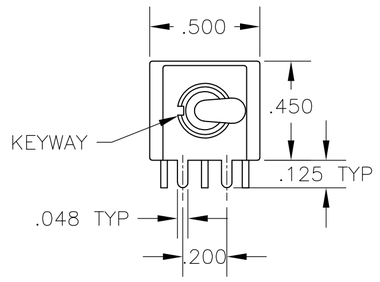
.030 THK.

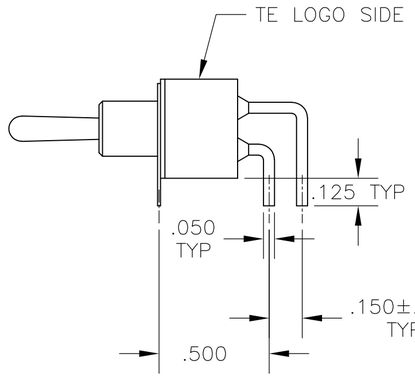
Z3 QUICK CONNECT

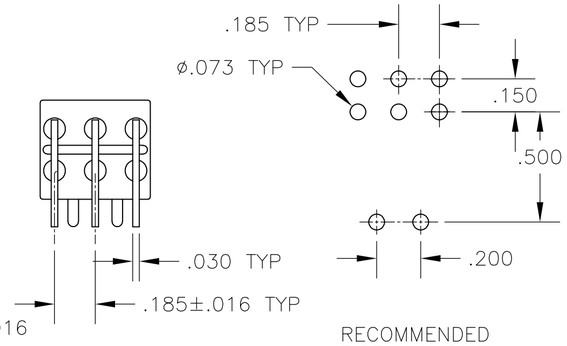


.030 THK.

A RIGHT ANGLE ⚠5

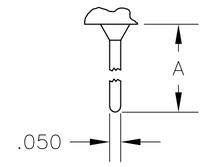






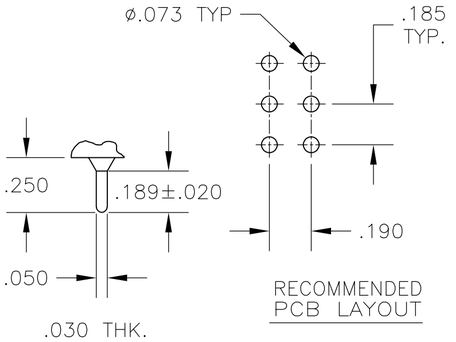
RECOMMENDED PCB LAYOUT

OPTION	DIM A
W	.736
W4	1.062



.030 THK.

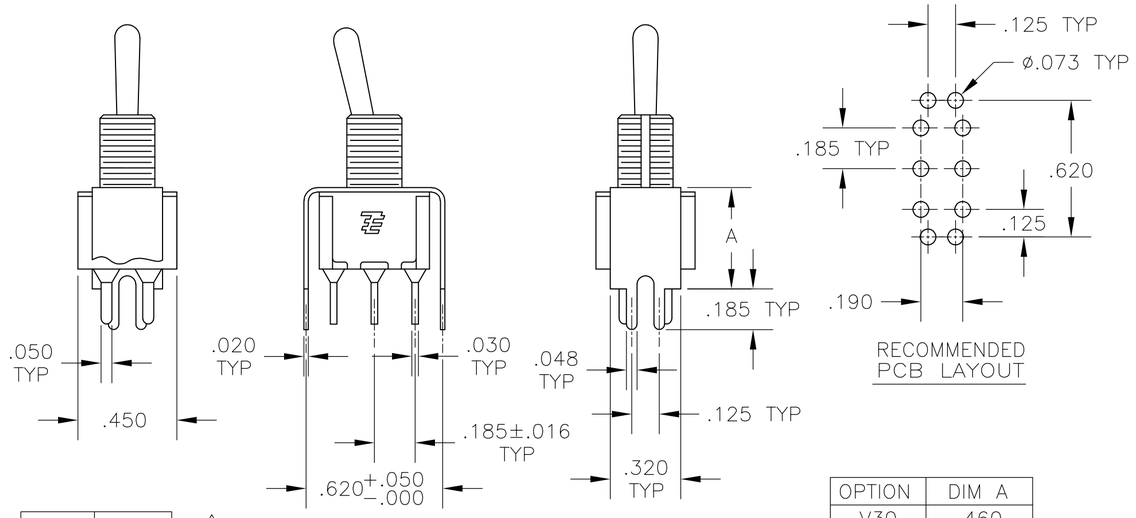
W W4 WIRE WRAP



.030 THK.

RECOMMENDED PCB LAYOUT

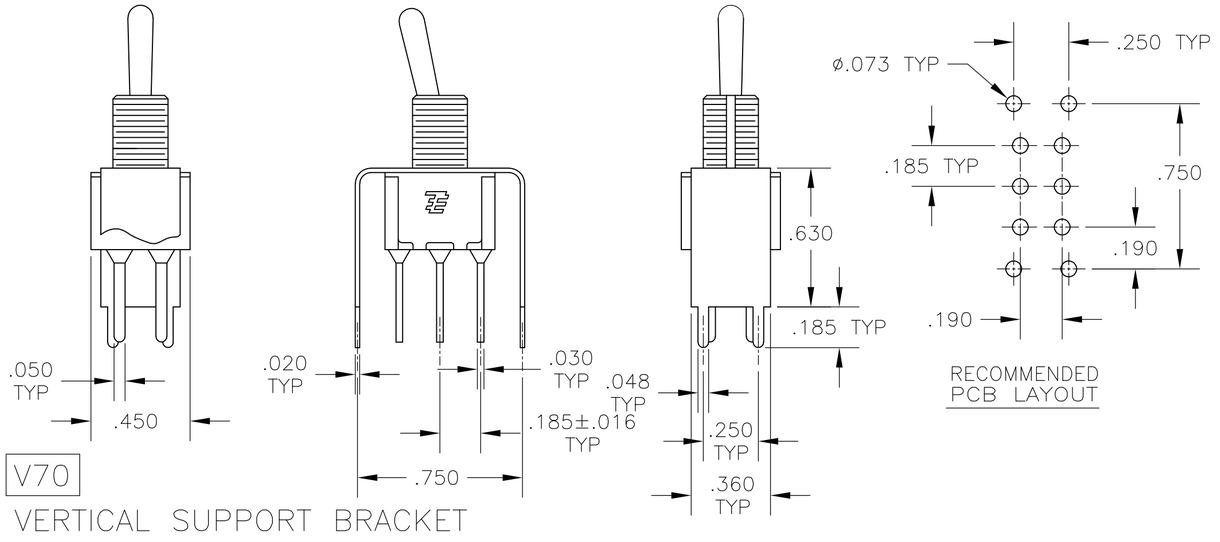
C PRINTED CIRCUIT



RECOMMENDED PCB LAYOUT

OPTION	DIM A
V30	.460
V40	.630

V30 V40 ⚠5 VERTICAL SUPPORT BRACKET



RECOMMENDED PCB LAYOUT

V70 VERTICAL SUPPORT BRACKET

1825138

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DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .010
4 PLC ± –
ANGLES ± –

MATERIAL –
FINISH –

DWN M. ZITTO 14APR05
CHK M.ZITTO –
APVD P.BROUILLETTE –
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

CUSTOMER DRAWING

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1825138	—

SCALE 2:1 SHEET 3 OF 4 REV A5

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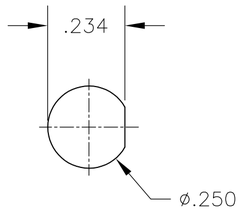
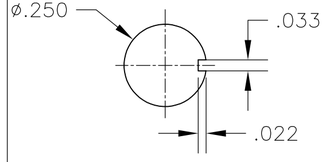
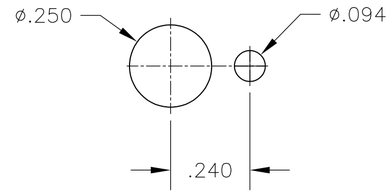
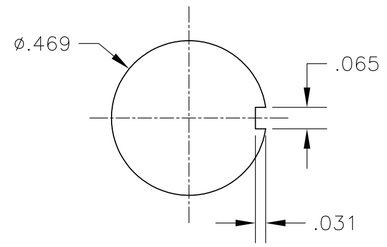
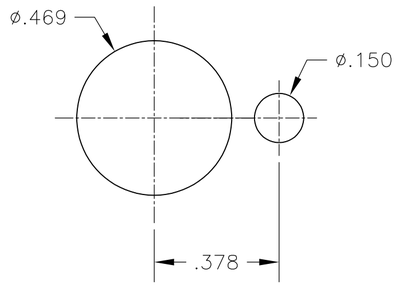
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	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	PRELIMINARY
A201P3V30G04	4–1825138–2	PRELIMINARY
A203MD9AQ–UL	4–1825138–3	PRELIMINARY
A201MCWCB04	4–1825138–4	PRELIMINARY
A201SCWCB04	4–1825138–5	PRELIMINARY

RECOMMENDED PANEL CUT–OUTS

BUSHING SIZE	WITHOUT LOCKING RING	WITH STANDARD LOCKING RING
1/4	 	
15/32		

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

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .010
4 PLC ± –
ANGLES ± –

MATERIAL –
FINISH –

DWN M. ZITTO 14APR05
CHK M.ZITTO –
APVD P.BROUILLETTE –
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C–1825138	—

CUSTOMER DRAWING | SCALE 3:1 | SHEET 4 OF 4 | REV A5

1825138

LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

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