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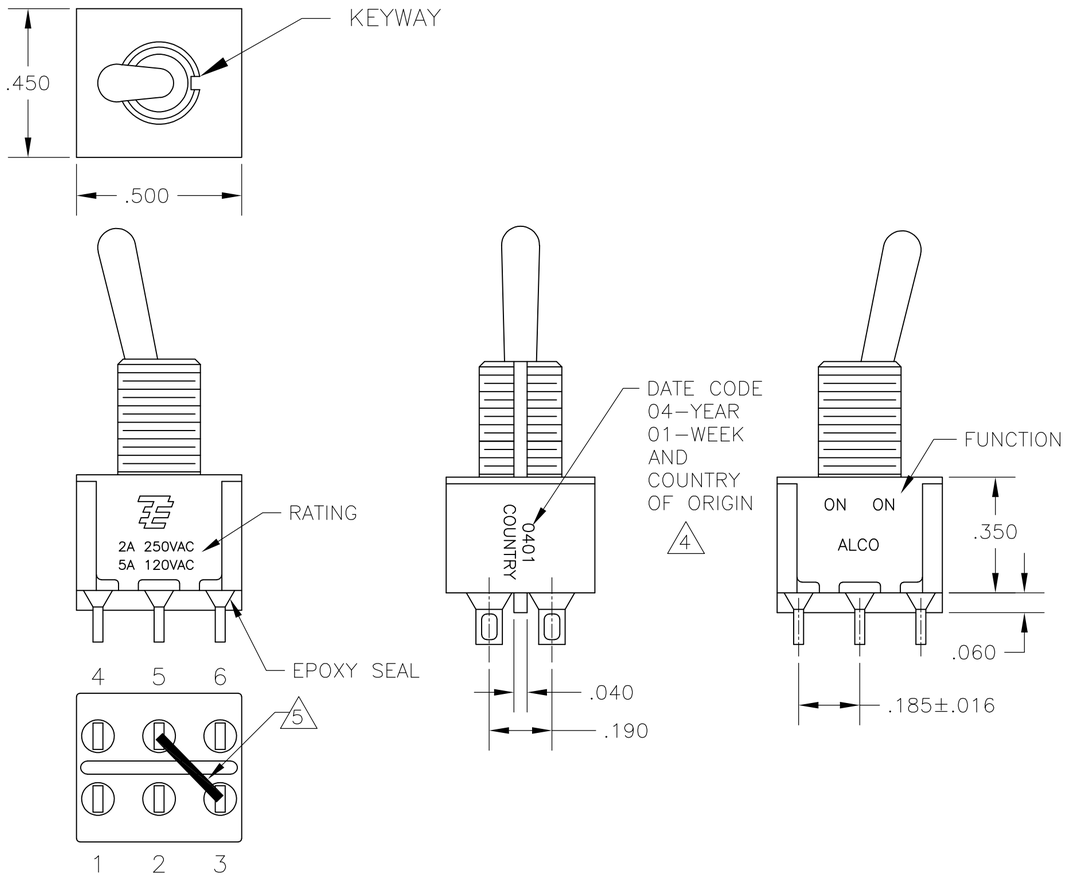
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A5	REVISED PER ECO-17-001328	02FEB2017	RK	SS



FUNCTION CHART

FUNCTION	1 2 3 / 4 5 6	1 2 3 / 4 5 6	1 2 3 / 4 5 6
03	ON	OFF	ON
05	(ON)	OFF	(ON)
07	ON	OFF	(ON)
TERMINALS CONNECTED	2–3, 5–6	– – –	1–2, 4–5
11	ON	ON	ON
13	ON	ON	(ON)
15	(ON)	ON	(ON)
TERMINALS CONNECTED	2–3, 5–6	2–3, 4–5	1–2, 4–5
SP3T SCHEMATIC (11, 13 & 15 ONLY) SEE NOTE 5	6 3 / 5 2 / 4 1	6 3 / 5 2 / 4 1	6 3 / 5 2 / 4 1
	IN 2, OUT 6	IN 2, OUT 4	IN 2, OUT 1

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

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 120VAC.

△4 DATE CODE AND COUNTRY OF ORIGIN MAY APPEAR ON EITHER SIDE OF SWITCH.

△5 SP3T FUNCTION ACHIEVED WITH FUNCTIONS 11, 13 & 15 BY CUSTOMER APPLIED JUMPER BETWEEN TERMINALS 3 AND 5.

△6 LENGTH OF TOGGLE REDUCED BY .020 WITH A, AV2, V30 OR V40 VERTICAL SUPPORT BRACKET.

7 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

PART NUMBER SEQUENCE CHART

MODEL	FUNCTION	TOGGLE	BUSHING	TERMINAL	CONTACT	RoHS
A2	03	K	CW	A	B	04
	05	K1	D	AV2	G	
	07	L	D9	C	Q	
	11	L1	H	V30		
	13	L2	Y	V40		
	15	M	Y9	V70		
		P3		W		
		S		W4		
		T		Z		
		T1		Z3		

EXAMPLE: A207SYZQ04

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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 0

TE Connectivity

NAME GEMINI A SERIES TOGGLE SWITCH,DOUBLE POLE, 3 POSITION FUNCTIONS (03, 05, 07, 11, 13 & 15)
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1825139	—

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

1825139

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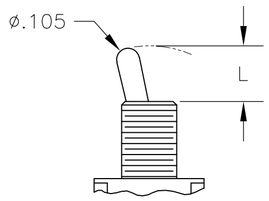
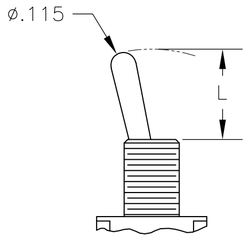
REVISIONS

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

TOGGLES

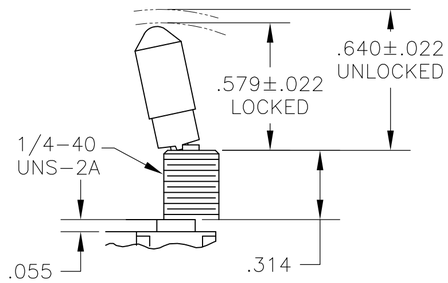


M SHORT



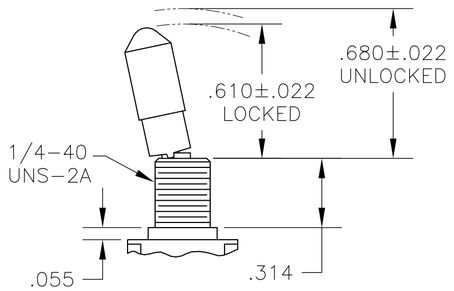
S STANDARD

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



K

NO BUSHING OPTION NEEDED



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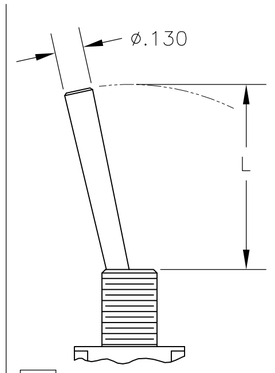
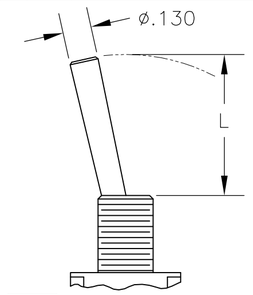
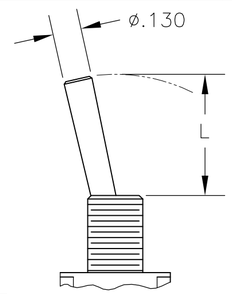
NO BUSHING OPTION NEEDED



L LEVER

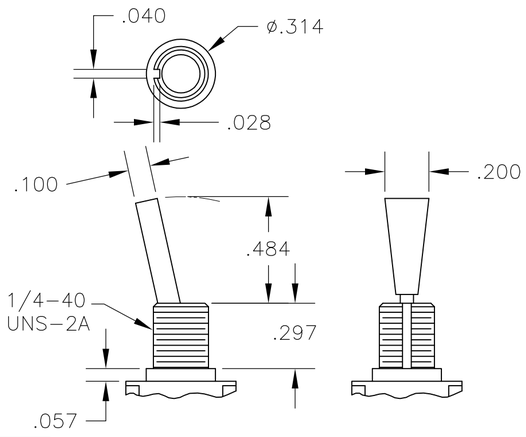


L1 LEVER

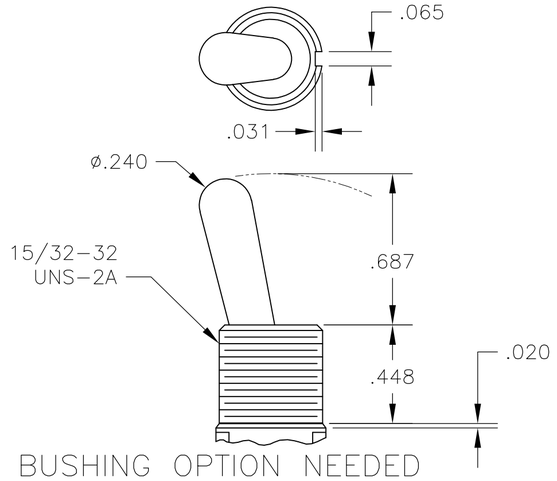


L2 LEVER

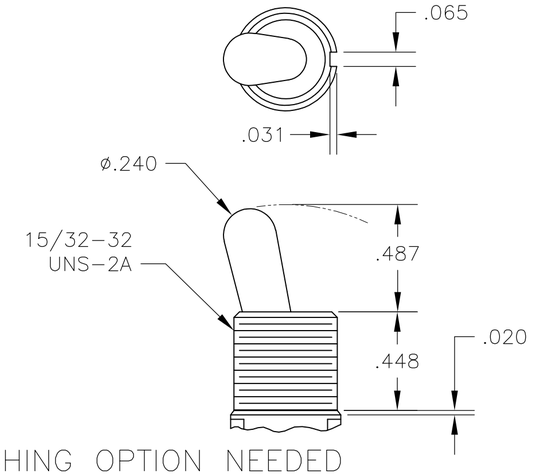
DIM L	BUSHING TYPE	DIM L	BUSHING TYPE	DIM L	BUSHING TYPE
.840	Y, H	.640	Y, H	.550	Y, H
.910	D, D9	.710	D, D9	.620	D, D9



P3 NO BUSHING OPTION NEEDED

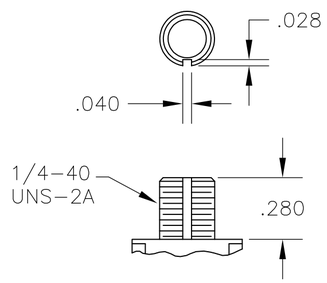


T NO BUSHING OPTION NEEDED



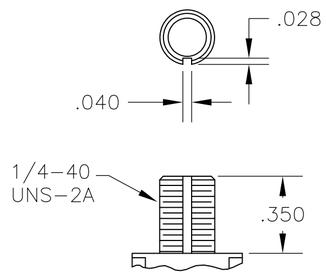
T1 NO BUSHING OPTION NEEDED

BUSHINGS



D THREADED

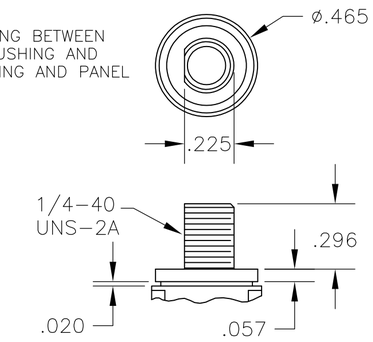
D9 UNTHREADED



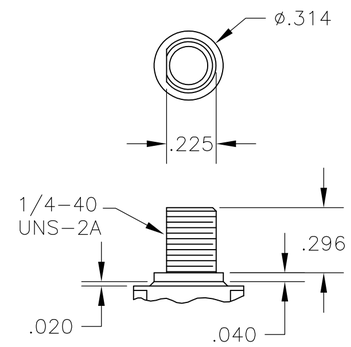
Y THREADED

Y9 UNTHREADED

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



CW THREADED SPLASHPROOF



H HIGH TORQUE

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0 PLC ± -
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4 PLC ± -
ANGLES ± 2°

MATERIAL -

FINISH -

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

TE Connectivity

NAME
GEMINI A SERIES TOGGLE SWITCH,DOUBLE POLE,
3 POSITION FUNCTIONS (03, 05, 07, 11, 13 & 15)
—

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1825139	—

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

1825139

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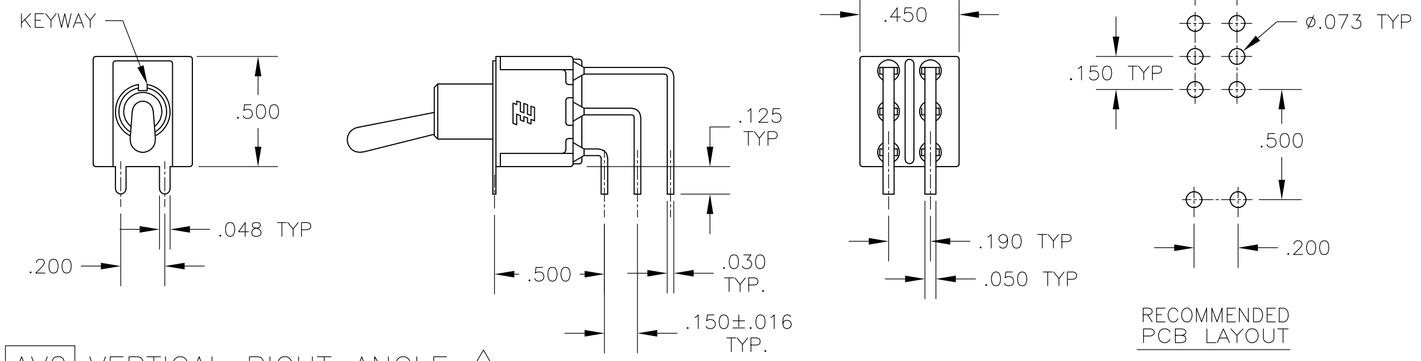
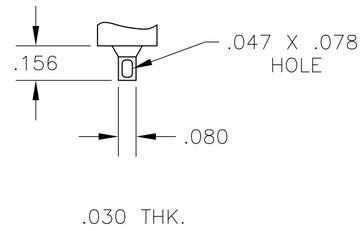
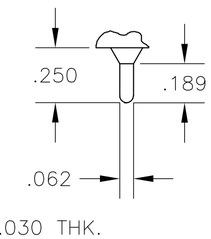
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—



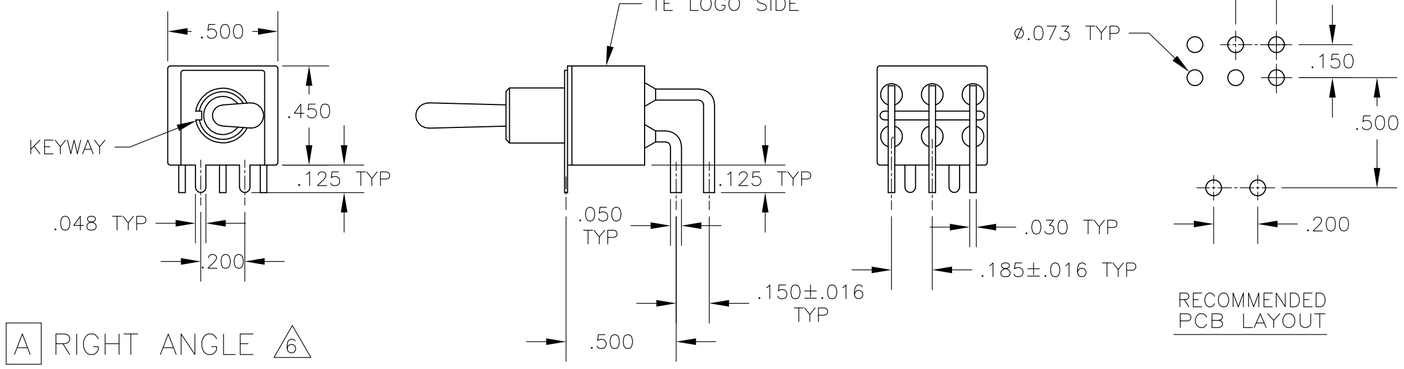
AV2 VERTICAL RIGHT ANGLE 6



Z WIRE LUG

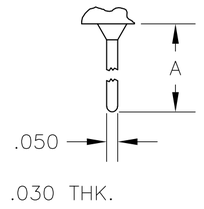


Z3 QUICK CONNECT

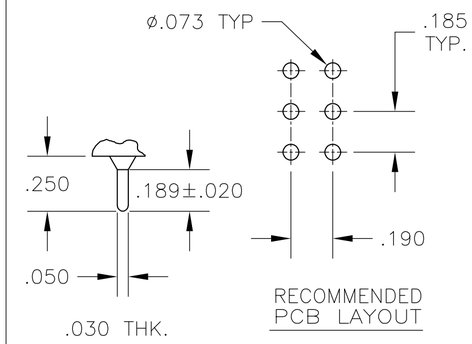


A RIGHT ANGLE 6

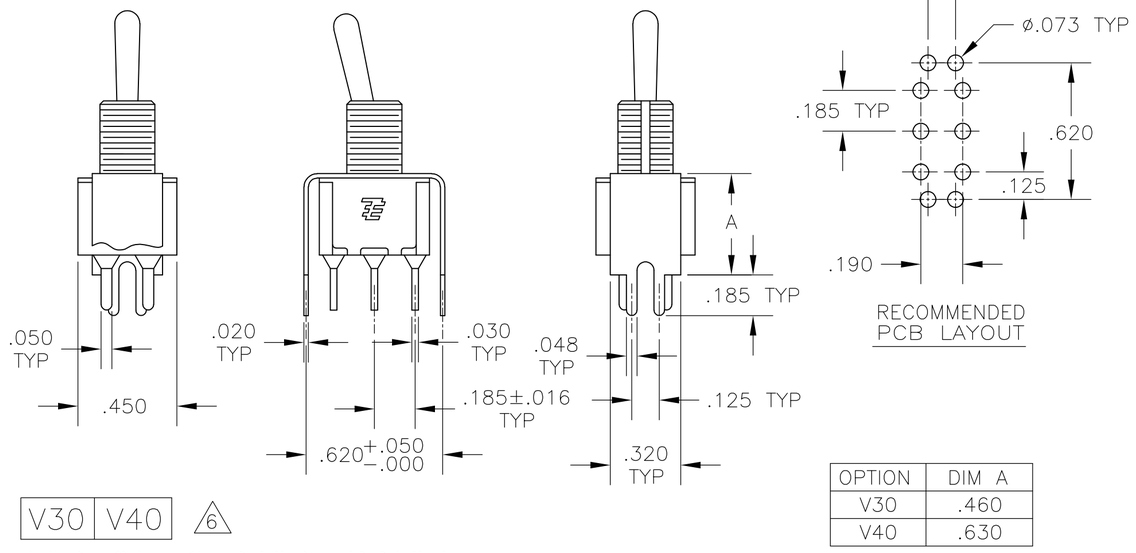
OPTION	DIM A
W	.736
W4	1.062



W W4 WIRE WRAP



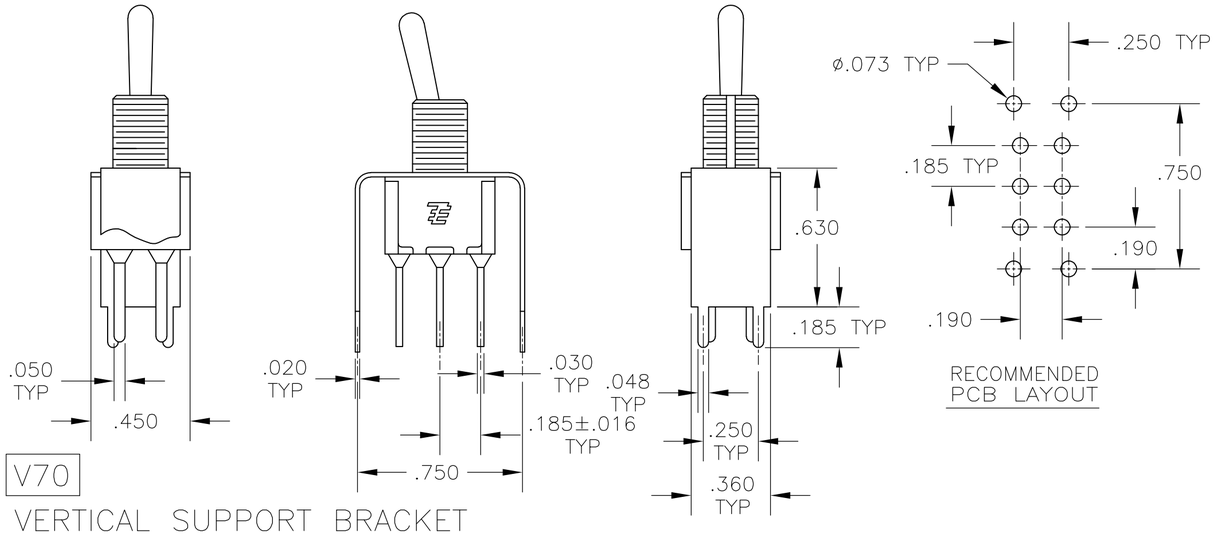
C PRINTED CIRCUIT



OPTION	DIM A
V30	.460
V40	.630

V30 V40 6

VERTICAL SUPPORT BRACKET



V70

VERTICAL SUPPORT BRACKET

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4 PLC ± –
ANGLES ± 2°

MATERIAL –
FINISH –

DWN M. ZITTO 14APR05
CHK M. ZITTO –
APVD M. ZITTO –
PRODUCT SPEC —
APPLICATION SPEC —
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CUSTOMER DRAWING

TE Connectivity

NAME GEMINI A SERIES TOGGLE SWITCH,DOUBLE POLE, 3 POSITION FUNCTIONS (03, 05, 07, 11, 13 & 15)
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1825139	—

SCALE 2:1 SHEET 3 OF 4 REV A5

1825139

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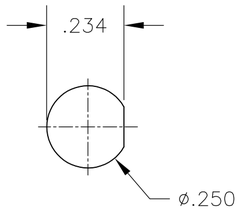
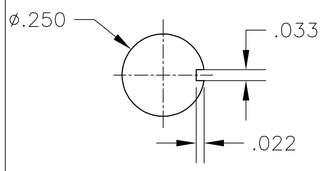
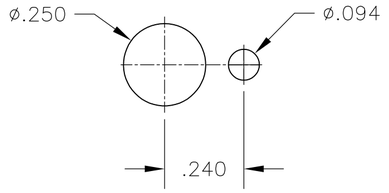
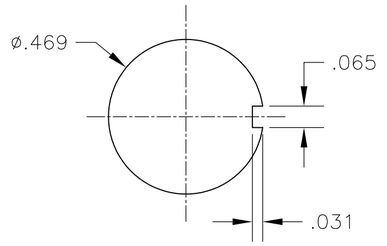
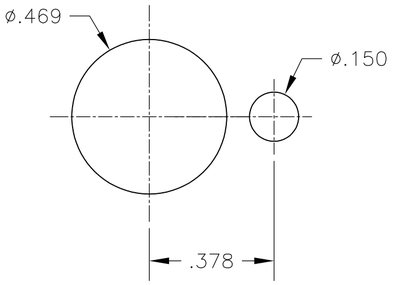
REVISIONS

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

Alco P/N	P/N
A203KZQ04	1825139-1
A203MD9AB04	1825139-2
A203P3AV2Q04	1825139-3
A203P3ZQ04	1825139-4
A203SD9AV2B04	1825139-5
A203SD9AV2Q04	1825139-6
A203SDZQ04	1825139-7
A203SYCB04	1825139-8
A203SYCQ04	1825139-9
A203SYZQ04	1-1825139-0
A203T1ZQ04	1-1825139-1
A203TZQ04	1-1825139-2
A205KZB04	1-1825139-3
A205P3ZQ04	1-1825139-4
A205SD9AB04	1-1825139-5
A205SYCB04	1-1825139-6
A205SYCQ04	1-1825139-7
A205SYZQ04	1-1825139-8
A205T1ZQ04	1-1825139-9
A205TZQ04	2-1825139-0
A207P3ZQ04	2-1825139-1
A207SYCB04	2-1825139-2
A207SYCQ04	2-1825139-3
A207SYZQ04	2-1825139-4
A207T1ZQ04	2-1825139-5
A207TZQ04	2-1825139-6
A211KZB04	2-1825139-7
A211MD9AQ04	2-1825139-8
A211MYCQ04	2-1825139-9
A211P3CQ04	3-1825139-0
A211P3V40G04	3-1825139-1
A211P3ZQ04	3-1825139-2
A211SCWCQO04	3-1825139-3
A211SDZQ04	3-1825139-4
A211SHZQ04	3-1825139-5
A211SY9AQ04	3-1825139-6
A211SYCQ04	3-1825139-7
A211SYZB04	3-1825139-8
A211SYZQ04	3-1825139-9
A211T1ZQ04	4-1825139-0
not assigned	4-1825139-1
A213SYZQ04	4-1825139-2
A215SD9V30B04	4-1825139-3
A215SY9AQ04	4-1825139-4
A215SYZQ04	4-1825139-5
A203LYCQ04	4-1825139-6
A203LD9CQ04	4-1825139-7
A203LDCQ04	4-1825139-8

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	

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ANGLES ± 2°

MATERIAL –
FINISH –

DWN M. ZITTO 14APR05
CHK M. ZITTO –
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PRODUCT SPEC —
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NAME
GEMINI A SERIES TOGGLE SWITCH,DOUBLE POLE, 3 POSITION FUNCTIONS (03, 05, 07, 11, 13 & 15)
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SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C–1825139	—

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

1825139

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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