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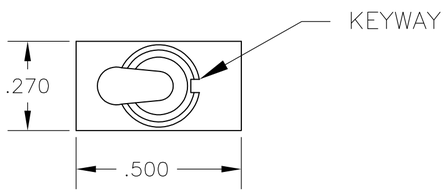
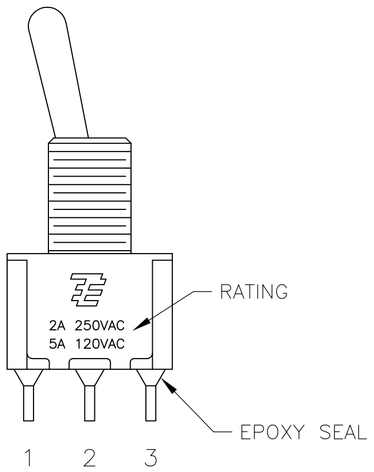
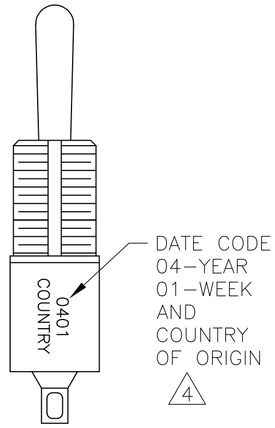
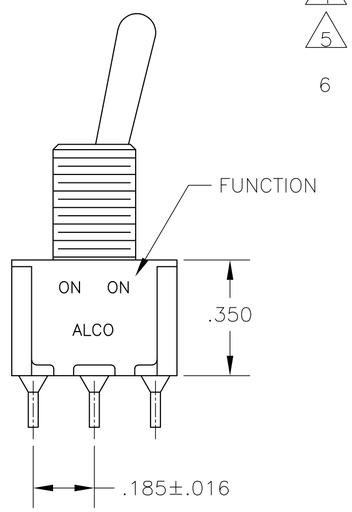
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A7	REVISED PER ECR-16-004460	30MAR2016	RS	RH









1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).

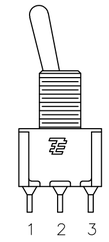
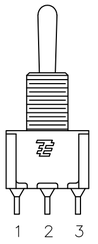
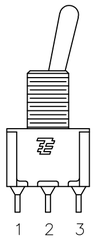
2 EACH SWITCH WITH THREDED BUSHINGS SUPPLIED WITH THE FOLLWING MOUNTING HARDWARE:
(2) HEX NUTS
(1) INTERNAL TOOTH LOCKWASHER
(1) LOCATING RING.

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 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.

FUNCTION CHART			
FUNCTION	 1 2 3	 1 2 3	 1 2 3
01	ON	NONE	ON
03	ON	OFF	ON
08	ON	NONE	(ON)
TERMINALS CONNECTED	2-3	---	1-2

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
A1	01	K	CW	A	B	04
	08	K1	D	AV2	G	
		L	D9	C	Q	
		L1	H	V30		
		L2	Y	V40		
		M	Y9	W		
		P3		W4		
		S		Z		
		T		Z3		
		T1				

EXAMPLE: A101SYCQ04

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 B.S.VISWESWARA 14APR05
CHK M.ZITTO -
APVD P.BROUILLETTE -
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT 0

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1825136	—

CUSTOMER DRAWING | SCALE 3:1 | SHEET 1 OF 4 | REV A7

1825136

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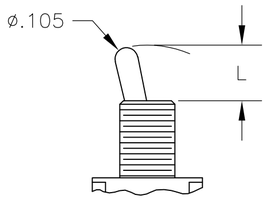
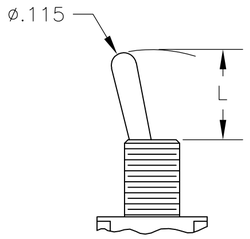
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–

TOGGLES



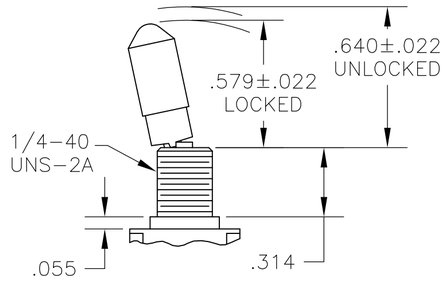
M SHORT

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



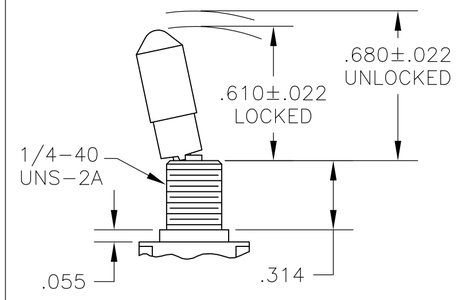
S STANDARD

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



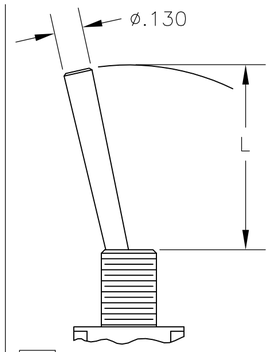
K

NO BUSHING OPTION NEEDED



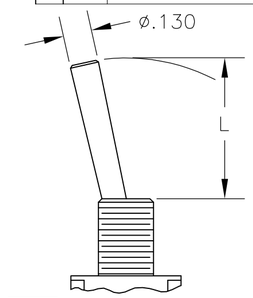
K1

NO BUSHING OPTION NEEDED



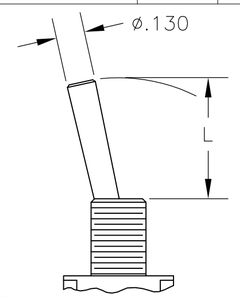
L LEVER

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



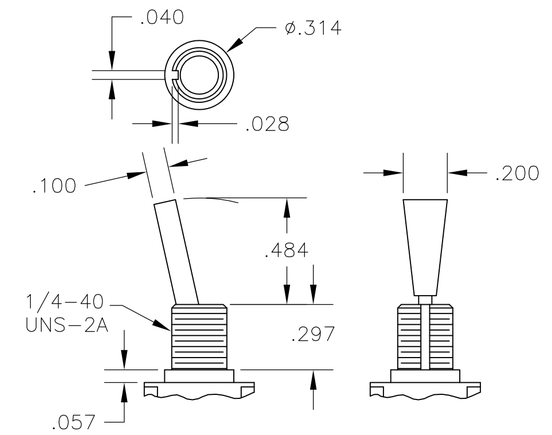
L1 LEVER

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

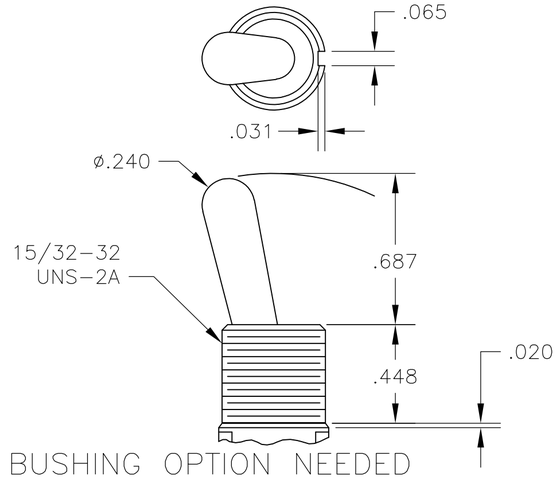


L2 LEVER

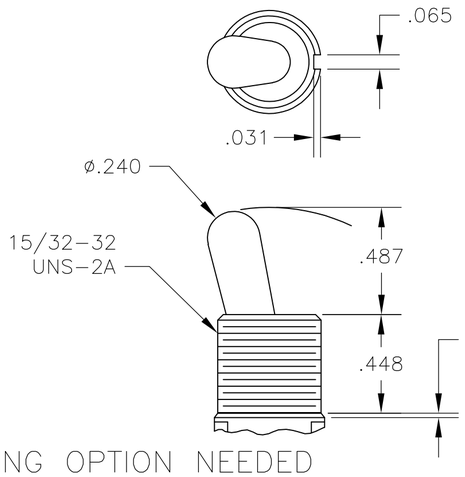
DIM L	BUSHING TYPE
.550	Y, H
.620	D, D9



P3 NO BUSHING OPTION NEEDED

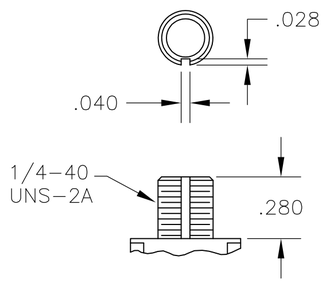


T NO BUSHING OPTION NEEDED



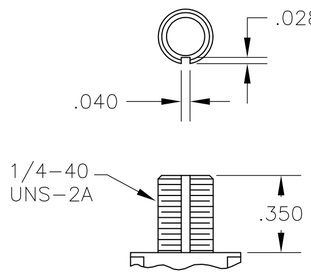
T1 NO BUSHING OPTION NEEDED

BUSHINGS



D THREADED

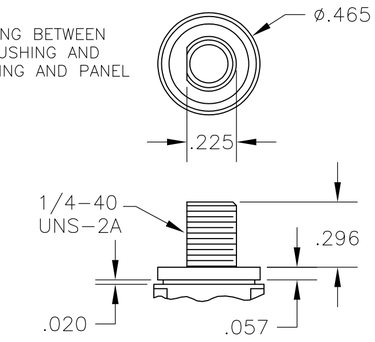
D9 UNTHREADED



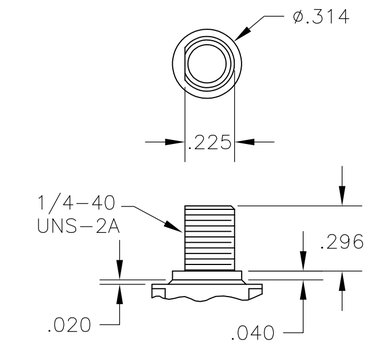
Y THREADED

Y9 UNTHREADED

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



CW THREADED SPLASHPROOF



H HIGH TORQUE

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0 PLC ± –
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2 PLC ± –
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SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1825136	—

CUSTOMER DRAWING | SCALE 2:1 | SHEET 2 OF 4 | REV A7

1825136

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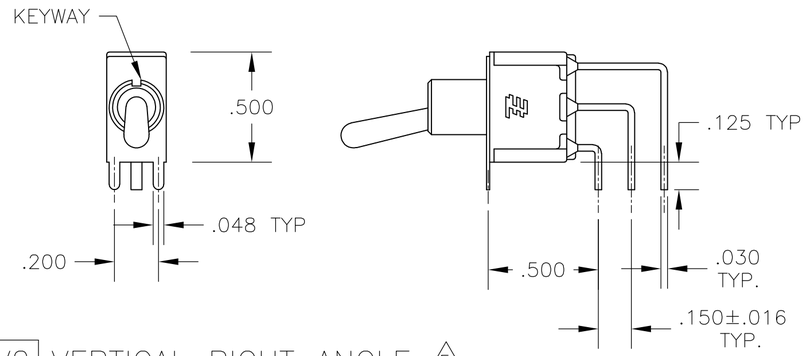
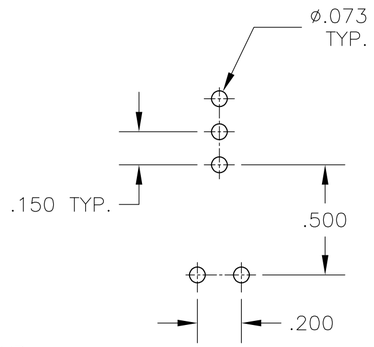
REVISIONS

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

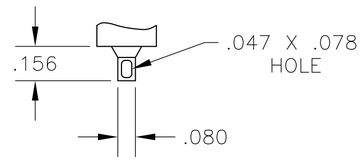
AV2 VERTICAL RIGHT ANGLE ⚠5





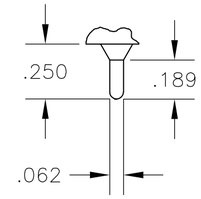
RECOMMENDED PCB LAYOUT

Z WIRE LUG



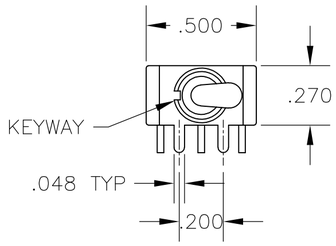
.030 THK.

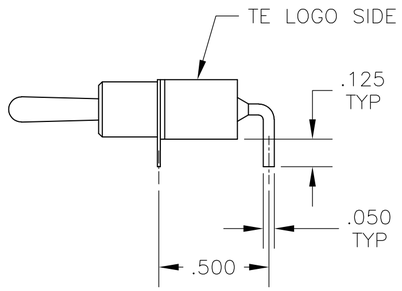
Z3 QUICK CONNECT

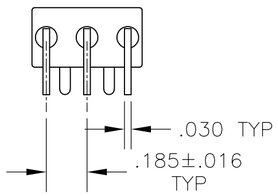


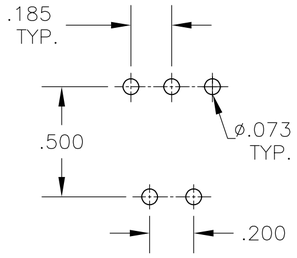
.030 THK.

A RIGHT ANGLE ⚠5



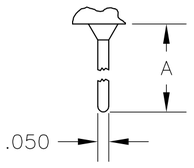






RECOMMENDED PCB LAYOUT

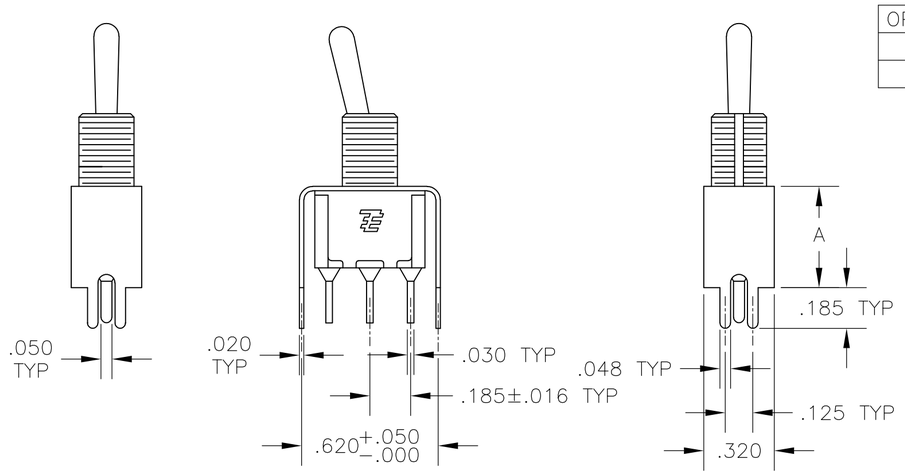
W W4 WIRE WRAP



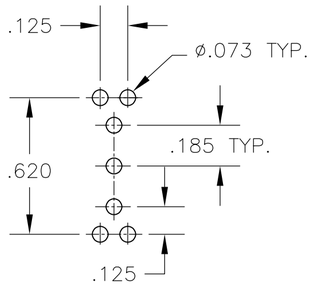
.030 THK.

OPTION	DIM A
W	.736
W4	1.062

V30 V40 ⚠5 VERTICAL SUPPORT BRACKET

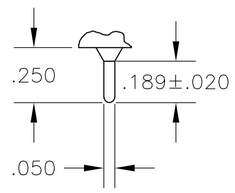


OPTION	DIM A
V30	.460
V40	.630

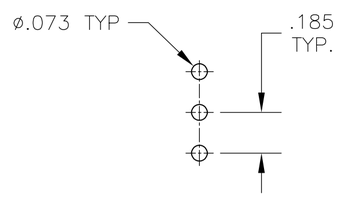


RECOMMENDED PCB LAYOUT

C PRINTED CIRCUIT



.030 THK.



RECOMMENDED PCB LAYOUT

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1825136	—

CUSTOMER DRAWING | SCALE 2:1 | SHEET 3 OF 4 | REV A7

1825136

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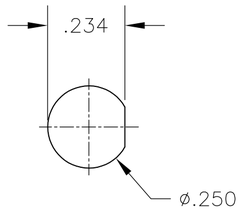
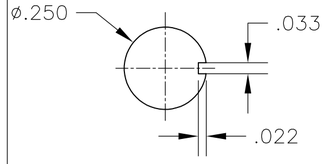
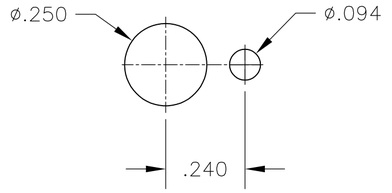
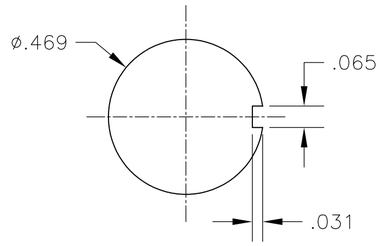
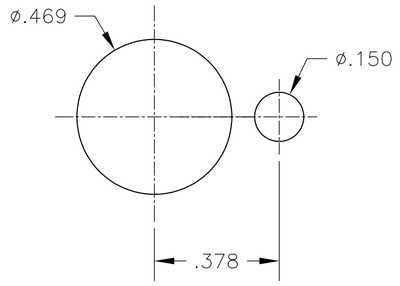
REVISIONS

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

Alco P/N	P/N
A101K1V30B04	1825136-1
A101KAB04	1825136-2
A101KAQ04	1825136-3
A101P3YV30B04	1825136-4
A101KCQ04	1825136-5
A101KD9AQ04	1825136-6
A101KZQ04	1825136-7
A101SYAV2B04	1825136-8
A101L1D9V30Q04	1825136-9
A101L1YZB04	1-1825136-0
A101LDZQ04	1-1825136-1
A101MD9AB04	1-1825136-2
A101MD9AG04	1-1825136-3
A101MD9AQ04	1-1825136-4
A101MD9AV2B04	1-1825136-5
A101MD9AV2G04	1-1825136-6
A101MD9AV2Q04	1-1825136-7
A101MD9V30B04	1-1825136-8
A101MDAQ04	1-1825136-9
A101MDAV2B04	2-1825136-0
A101MDCG04	2-1825136-1
A101MDZQ04	2-1825136-2
A101MYCQ04	2-1825136-3
A101MYZQ04	2-1825136-4
A103SYAV2B04	2-1825136-5
A101P3CB04	2-1825136-6
A101P3ZQ04	2-1825136-7
A101KAV2Q04	2-1825136-8
A101MDCQ04	2-1825136-9
A101SCWCQO04	3-1825136-0
A101SCWZQ04	3-1825136-1
A101SD9AB04	3-1825136-2
A101SD9AQ04	3-1825136-3
A101SD9AV2B04	3-1825136-4
A101SD9AV2Q04	3-1825136-5
A101SD9V30B04	3-1825136-6
A101SD9V30Q04	3-1825136-7
A101SDCQ04	3-1825136-8
A101SDZQ04	3-1825136-9
A101SHZQ04	4-1825136-0
A101SY9CQ04	4-1825136-1
A101SYAB04	4-1825136-2
A101SYAQ04	4-1825136-3
A101SYCB04	4-1825136-4
A101SYCQ04	4-1825136-5
not assigned	4-1825136-6
A101SYWQ04	4-1825136-7
A101SYZB04	4-1825136-8

Alco P/N	P/N
A101SYZQ04	4-1825136-9
not assigned	5-1825136-0
not assigned	5-1825136-1
A101T1ZB04	5-1825136-2
A101T1ZQ04	5-1825136-3
A101TCQ04	5-1825136-4
A101TZQ04	5-1825136-5
A108MD9AB04	5-1825136-6
not assigned	5-1825136-7
A108P3CQ04	5-1825136-8
A108P3ZQ04	5-1825136-9
A108SD9AQ04	6-1825136-0
A108SDZQ04	6-1825136-1
A108SYCB04	6-1825136-2
A108SYCQ04	6-1825136-3
A108SYZQ04	6-1825136-4
not assigned	6-1825136-5
A101SYAG04	6-1825136-6

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 ± 2°

MATERIAL –
FINISH –

DWN B.S.VISWESWARA 14APR05
CHK M.ZITTO –
APVD P.BROUILLETTE –
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT 0

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1825136	—

CUSTOMER DRAWING | SCALE 3:1 | SHEET 4 OF 4 | REV A7

1825136

OCEAN CHIPS
Океан Электроники
Поставка электронных компонентов

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**».

AVIC 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).

FORSTAR®

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