

4

3

2

1

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LOC	DIST	REVISIONS		DATE	BY	APPD
P	LR	DESCRIPTION				
AD	00			11MAR11	RK	HMR
	A4	REVISED PER ECO-11-004587				

NOTES:

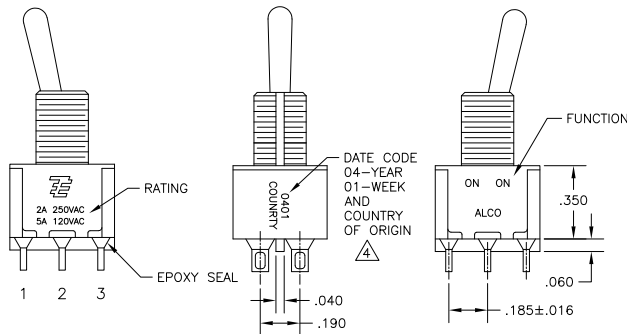
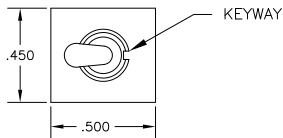
- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).
- EACH SWITCH WITH THREADED BUSHINGS SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
 (2) HEX NUTS
 (1) INTERNAL TOOTH LOCKWASHER
 (1) LOCATING RING.
- G CONTACT OPTION CAN BE USED FOR SIGNAL OR POWER LEVEL SWITCHING. 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.



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



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



FUNCTION CHART			
FUNCTION	01	08	08
	ON	NONE	ON
	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)
RATING, Q CONTACTS	2A @250 VAC (RESISTIVE) 5A @120 VAC OR 28 VDC (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

DIMENSIONS:		OTHER DIMENSIONS:		APPLICATION SPEC:		SIZE		CAGE CODE		DRAWING NO.		RESTRICTED TO	
INCHES		OTHER DIMENSIONS:		APPLICATION SPEC:		SIZE		CAGE CODE		DRAWING NO.		RESTRICTED TO	
-		-		-		A2		00779		C=1825138		-	
MATERIAL		FINISH		WEIGHT		CUSTOMER DRAWING		SCALE		SHEET		REV	
-		-		-		-		3:1		1 of 4		A4	

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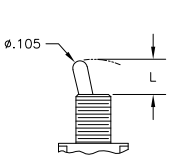
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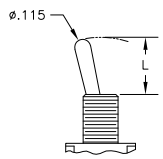
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TOGGLES

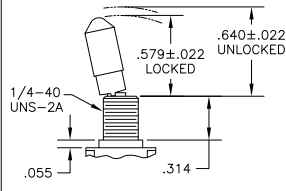


M SHORT

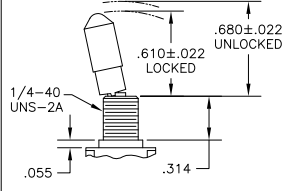


S STANDARD

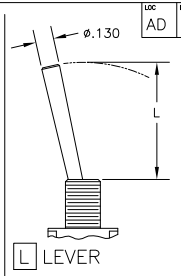
DIM L	BUSHING TYPE	DIM L	BUSHING TYPE
.200	Y, H	.410	Y, H
.270	D, D9	.480	D, D9



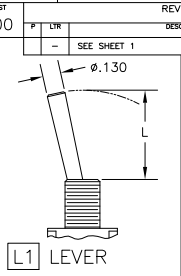
K NO BUSHING OPTION NEEDED



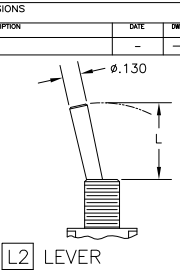
K1 NO BUSHING OPTION NEEDED



L LEVER



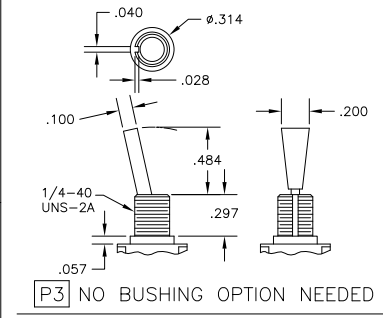
L1 LEVER



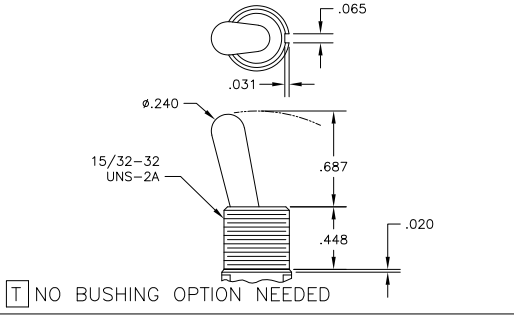
L2 LEVER

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

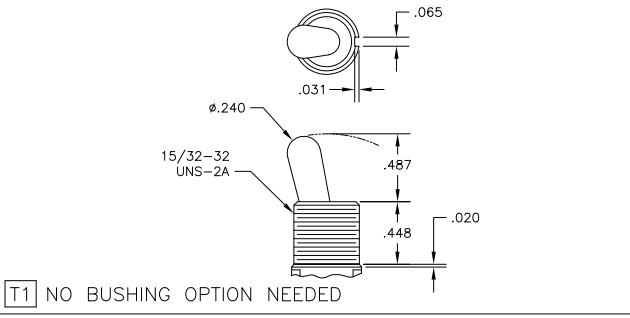
REV	DATE	BY	APP'D	DESCRIPTION
1				SEE SHEET 1



P3 NO BUSHING OPTION NEEDED

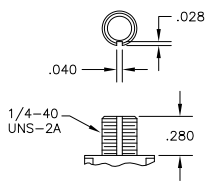


T NO BUSHING OPTION NEEDED

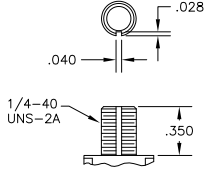


T1 NO BUSHING OPTION NEEDED

BUSHINGS

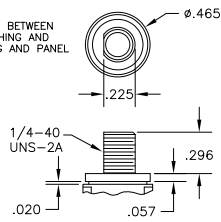


D THREADED
D9 UNTHREADED

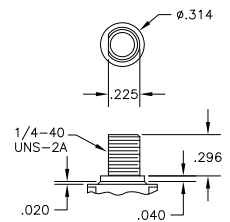


Y THREADED
Y9 UNTHREADED

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:	
Ø PLC	± .005
PLC	± .005
PLC	± .010
PLC	± .010
ANGLES	± .005
MATERIAL	
FINISH	

DRN	M. ZITTO	14MPROD	
CHK	M. ZITTO		
APP'D	P. BROUILLETTE		
PROJCT SPEC			
APPLICATION SPEC			
WEIGHT			
CUSTOMER DRAWING			
SIZE	A2	CAGE CODE	C=1825138
RESTRICTED TO			
SCALE	2:1	SHEET	2 of 4
REV	A4		

4

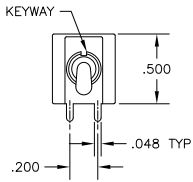
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2

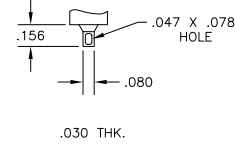
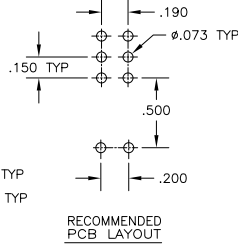
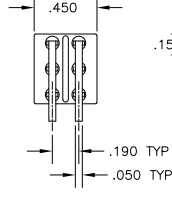
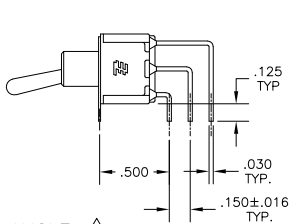
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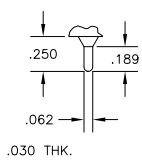
LOC	DIST	REVISIONS					
AD	00	P	LR	DESCRIPTION	DATE	DMN	APD
		-	-	SEE SHEET 1		-	-



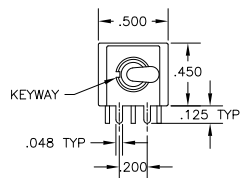
AV2 VERTICAL RIGHT ANGLE



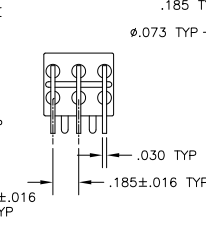
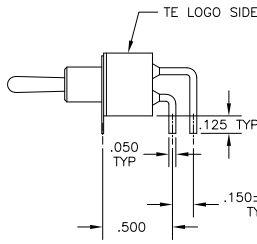
Z WIRE LUG



Z3 QUICK CONNECT

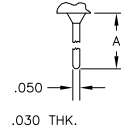


A RIGHT ANGLE

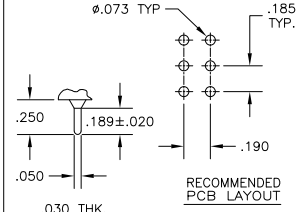


RECOMMENDED PCB LAYOUT

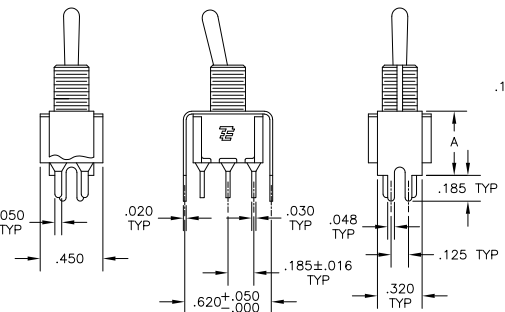
OPTION	DIM A
W	.736
W4	1.062



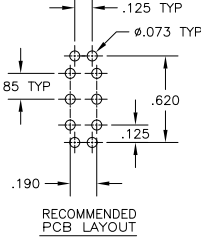
W W4 WIRE WRAP



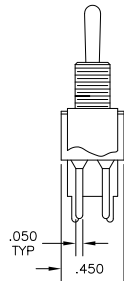
C PRINTED CIRCUIT



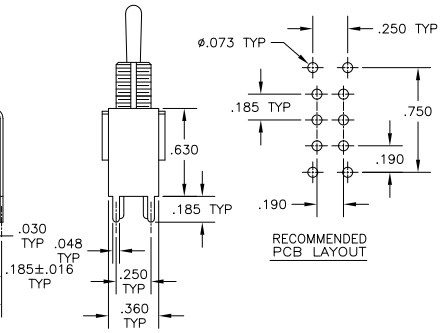
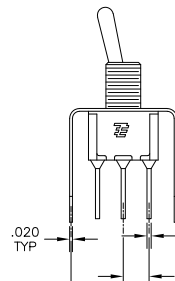
V30 V40
VERTICAL SUPPORT BRACKET



OPTION	DIM A
V30	.460
V40	.630



V70 VERTICAL SUPPORT BRACKET



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DIMENSIONS: INCHES		CHK	M. ZITTO			GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08)	
OTHER DIMENSIONS: MILLIMETERS		APPD	P. BROUILLETTE		APPLICATION SPEC		RESTRICTED TO
MATERIAL		FINISH			SIZE	CAGE CODE	DRAWING NO.
					A2	00779	C=1825138
					CUSTOMER DRAWING	SCALE	2:1
						SHEET	3 of 4
						REV	A4

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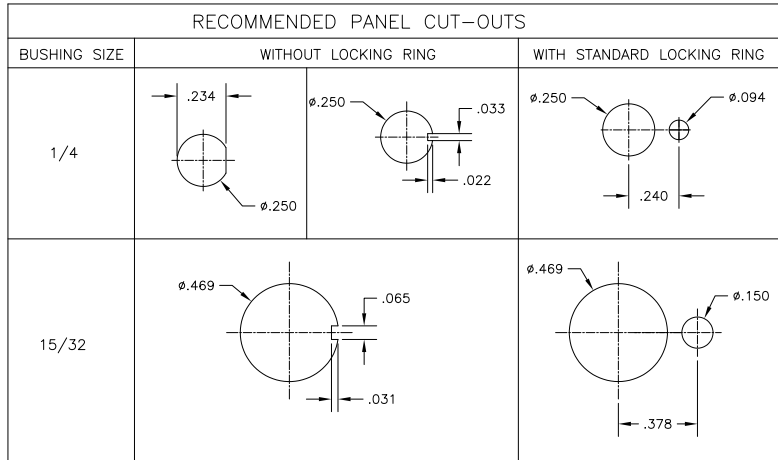
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LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	BY	APPD
		-	-	SEE SHEET 1	-	-	-



Alco P/N	P/N
A201KAB04	1825138-1
A201KD9AQ04	1825138-2
A201KZQ04	1825138-3
not assigned	1825138-4
A201LD9V3Q004	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
A201SCWB04	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
A208TZQ04	3-1825138-9
A208TZQ04	4-1825138-0
A208SDCC04	4-1825138-1 PRELIMINARY
A201P3V3G004	4-1825138-2 PRELIMINARY
A203MD9AQ-UL	4-1825138-3 PRELIMINARY
A201MCWCB04	4-1825138-4 PRELIMINARY
A201SCWCB04	4-1825138-5 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	

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DIMENSIONS: INCHES 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± .005 1 PLC ± .005 2 PLC ± .010 3 PLC ± .010 4 PLC ± .010 ANGLES ± .5°	DWG. NO. 144P005 CHK. M. ZITTO APPD. M. ZITTO NAME P. BROUILLETTE PRODUCT SPEC. APPLICATION SPEC. WEIGHT FINISH	 TE Connectivity GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08) SIZE CAGE CODE DRAWING NO. RESTRICTED TO A200779 C=1825138 CUSTOMER DRAWING SCALE 3:1 SHEET 4 of 4 REV A4
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