

4

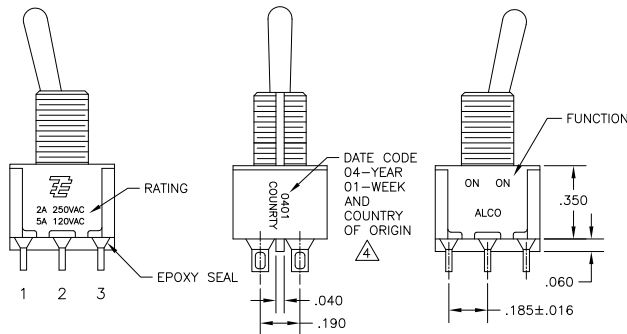
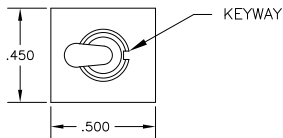
3

2

1

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



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	ON ON	NONE	ON
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)
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	
MATERIAL		FINISH		WEIGHT		CUSTOMER DRAWING		SCALE		SHEET		REV	
						A2		00779		C=1825138		3:1 1 of 4 A4	

4

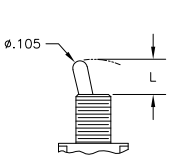
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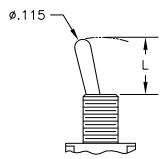
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TOGGLES

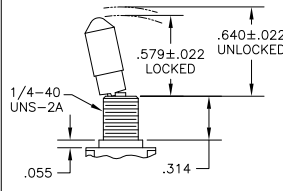


M SHORT

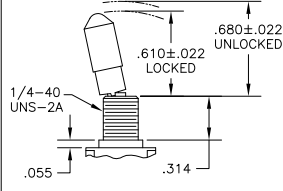


S STANDARD

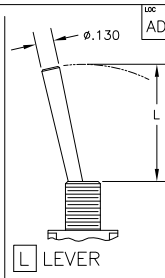
DIM L	BUSHING TYPE	DIM L	BUSHING TYPE
.200	Y, H	.410	Y, H
.270	D, D9	.480	D, D9



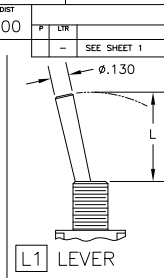
K NO BUSHING OPTION NEEDED



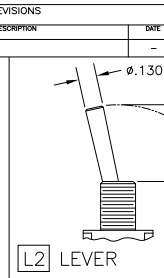
K1 NO BUSHING OPTION NEEDED



L LEVER



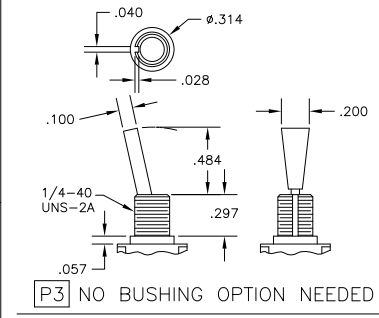
L1 LEVER



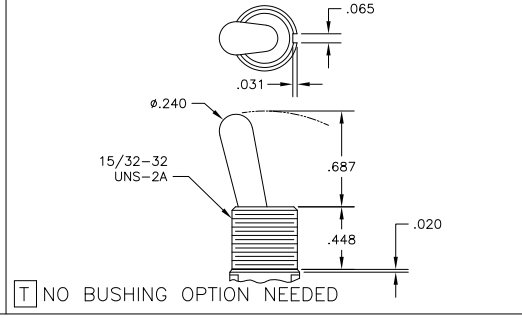
L2 LEVER

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

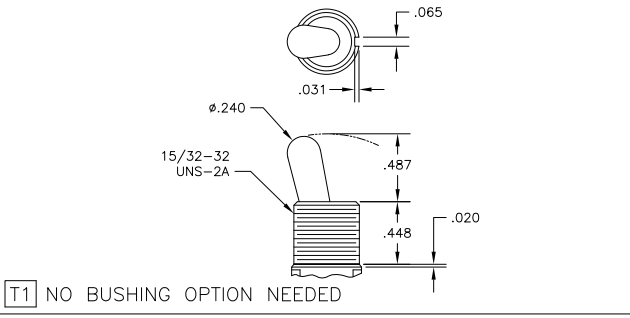
REV	DATE	BY	APPD	DESCRIPTION
1				SEE SHEET 1



P3 NO BUSHING OPTION NEEDED

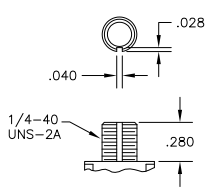


T NO BUSHING OPTION NEEDED

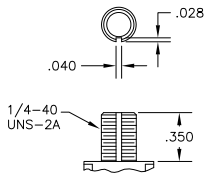


T1 NO BUSHING OPTION NEEDED

BUSHINGS

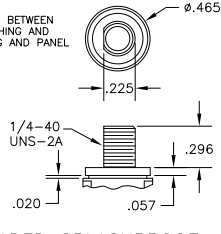


D THREADED
D9 UNTHREADED

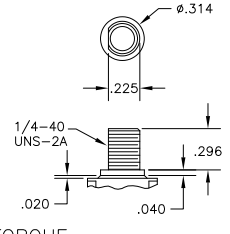


Y THREADED
Y9 UNTHREADED

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



CW THREADED SPLASHPROOF



H HIGH TORQUE

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DESIGNER: M. ZITTO	DATE: 14APR05	TE Connectivity
CHK: M. ZITTO		
APPD: P. BROUILLETTE		GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08)
PRODUCT SPEC: -		
APPLICATION SPEC: -	SIZE: A2	CUSTOMER DRAWING
WEIGHT: -	CAGE CODE: 00779	
MATERIAL: -	C=1825138	SCALE: 2:1
FINISH: -		SHEET: 2 of 4
		REV: A4

1825138

A

4

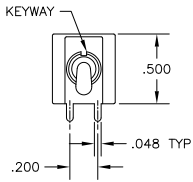
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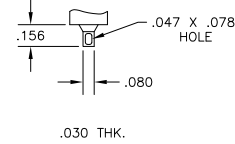
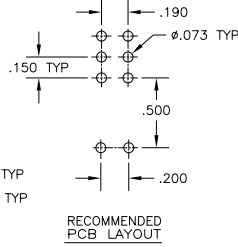
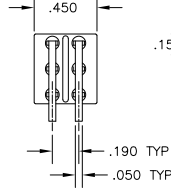
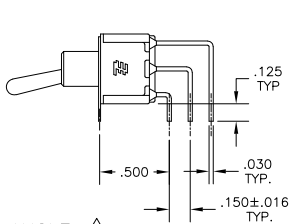
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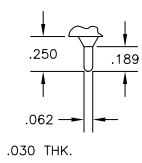
LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DMN	APVD
		-	-	SEE SHEET 1		-	-



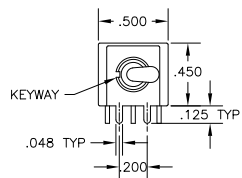
AV2 VERTICAL RIGHT ANGLE \triangle



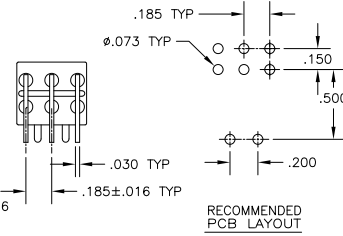
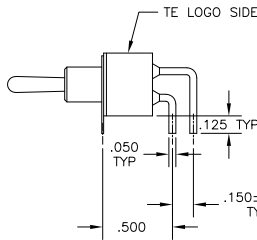
Z WIRE LUG



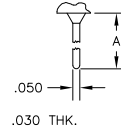
Z3 QUICK CONNECT



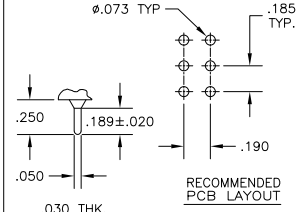
A RIGHT ANGLE \triangle



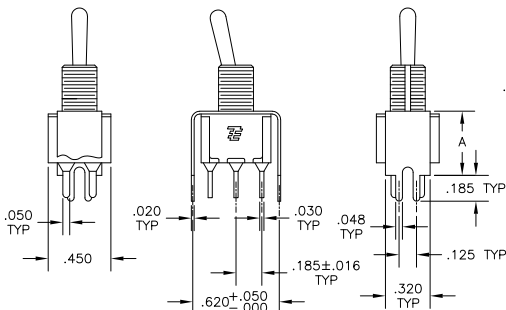
OPTION	DIM A
W	.736
W4	1.062



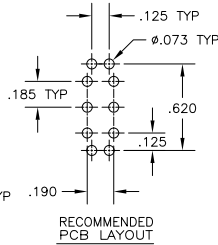
W W4 WIRE WRAP



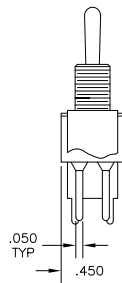
C PRINTED CIRCUIT



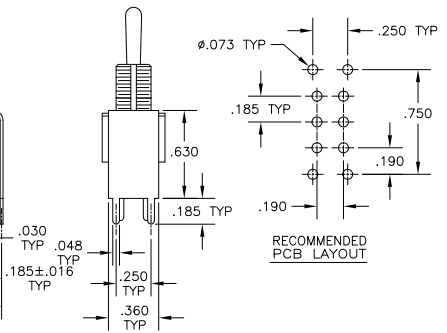
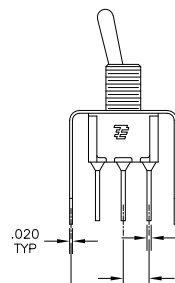
V30 V40 \triangle
VERTICAL SUPPORT BRACKET



OPTION	DIM A
V30	.460
V40	.630



V70
VERTICAL SUPPORT BRACKET



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DIMENSIONS:		CHK	M. ZITTO		
INCHES		DESIGNED BY		NAME	
0 PLC # - 1 PLC # - 2 PLC # - 3 PLC # - 210 4 PLC # - ANGLES # -		P. BROUILLETTE PRODUCT SPEC		GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08)	
MATERIAL		APPLICATION SPEC		SIZE CASE CODE DRAWING NO	
FINISH		WEIGHT		A2 00779 C=1825138	
		CUSTOMER DRAWING		SCALE 2:1 SHEET 3 of 4 REV A4	

4

3

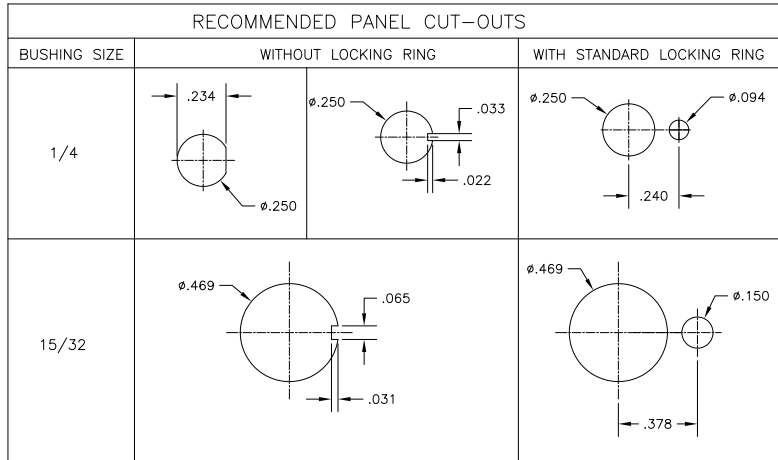
2

1

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LOC	DIST	REVISIONS		
P	LTR	DESCRIPTION	DATE	BY
AD	00	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 M. ZITTO M. ZITTO P. BROUILLETTE PRODUCT SPEC. APPLICATION SPEC. WEIGHT CUSTOMER DRAWING	 TE Connectivity GEMINI A SERIES TOGGLE SWITCH, DOUBLE POLE, 2 POSITION FUNCTIONS (01 & 08) SIZE: A2 CAGE CODE: 00779 DRAWING NO.: C=1825138 RESTRICTED TO: A4
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SCALE: 3:1 SHEET: 4 of 4 REV: A4