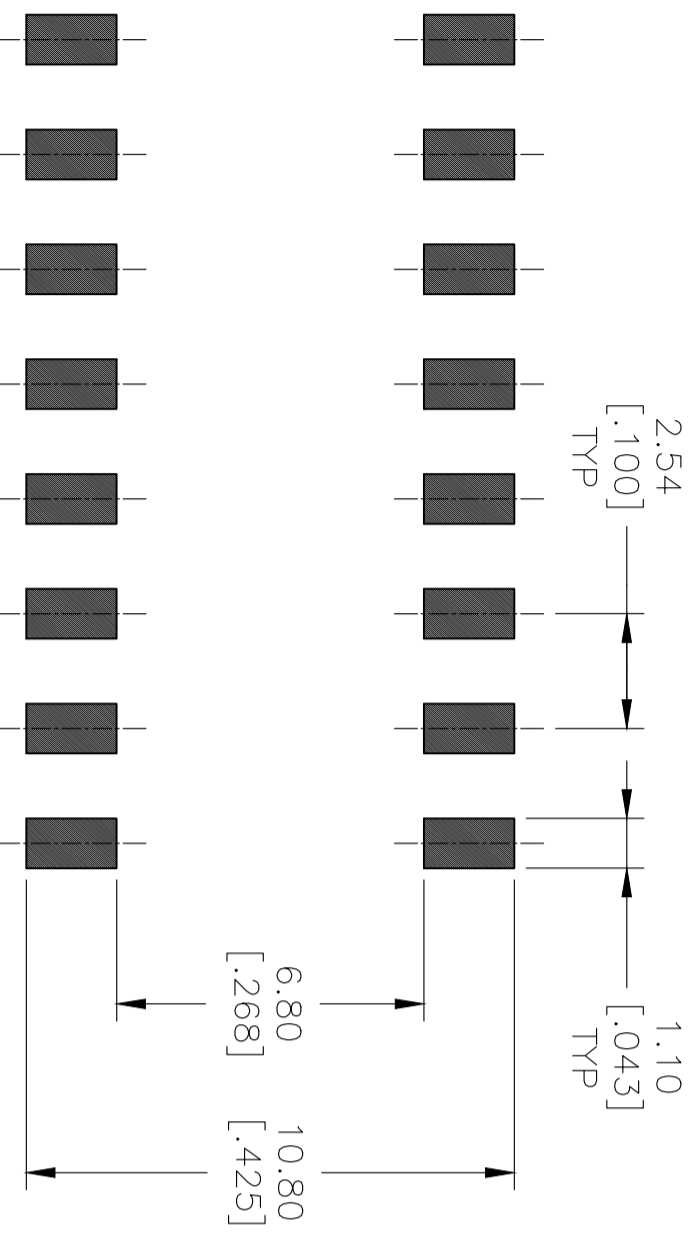
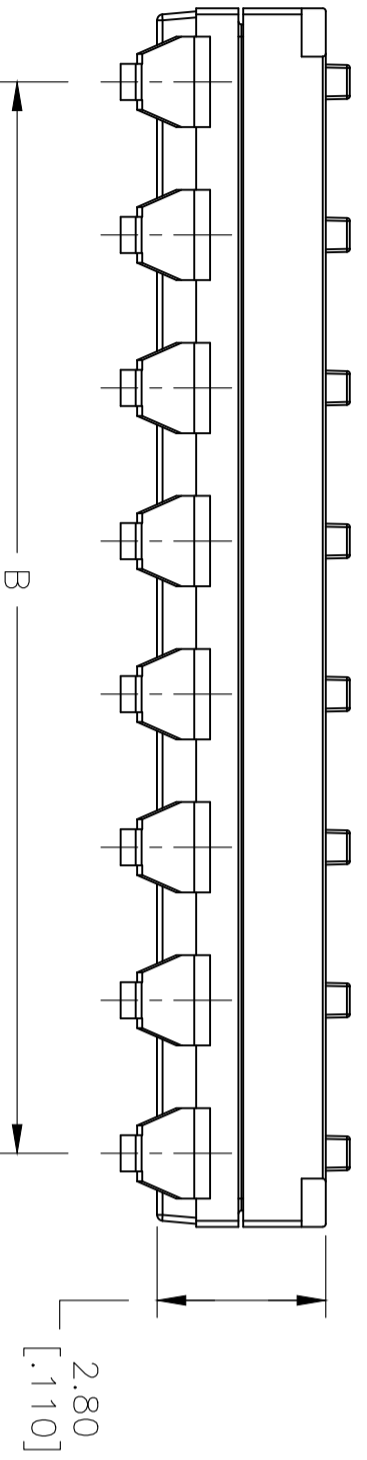
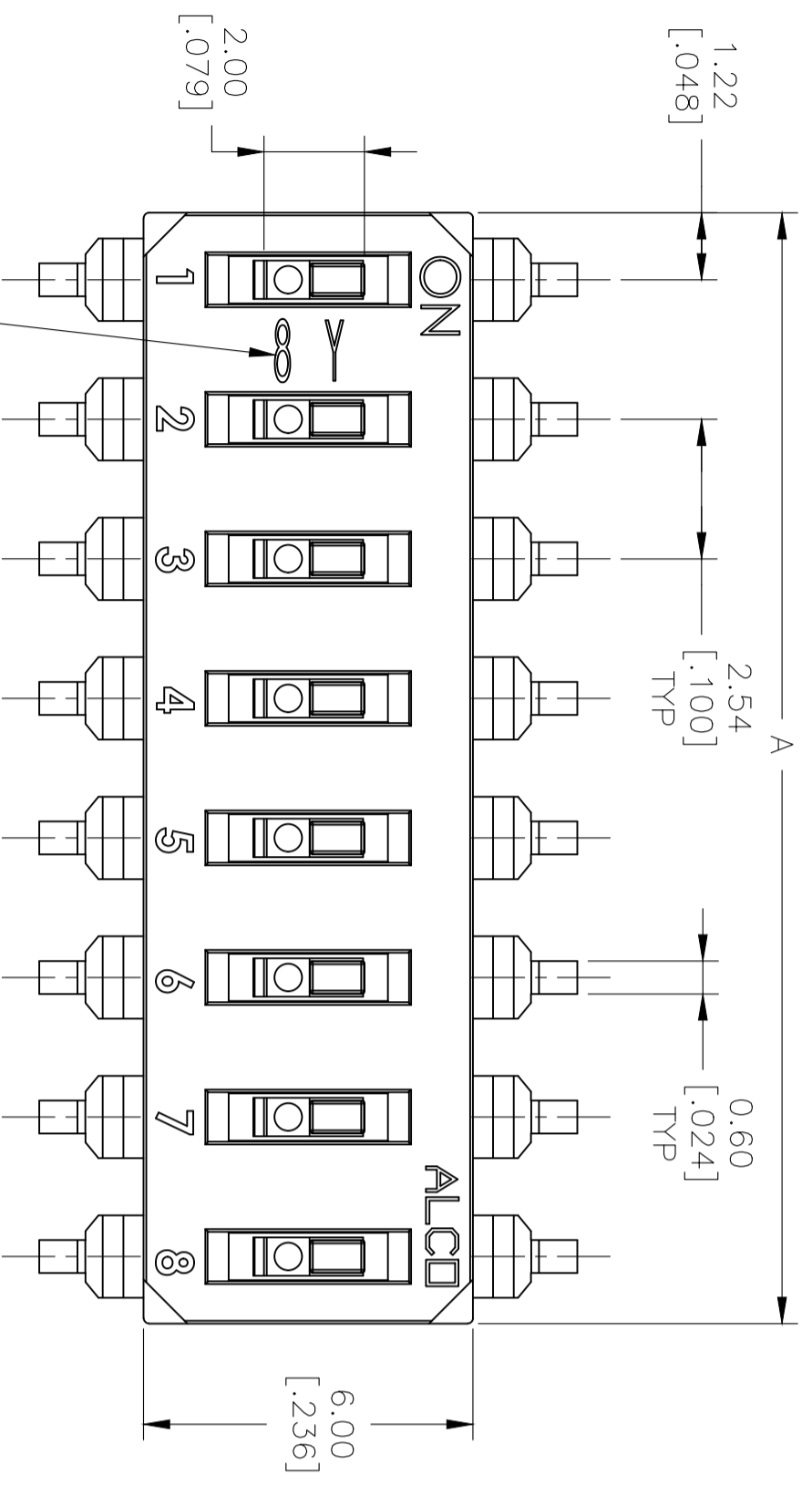
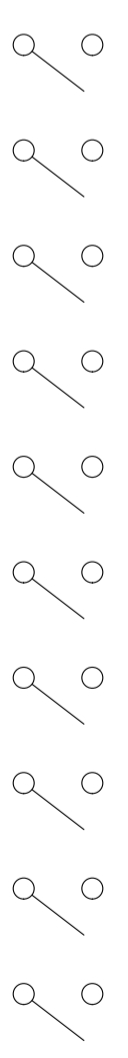


M SERIES RAISED ACTUATOR

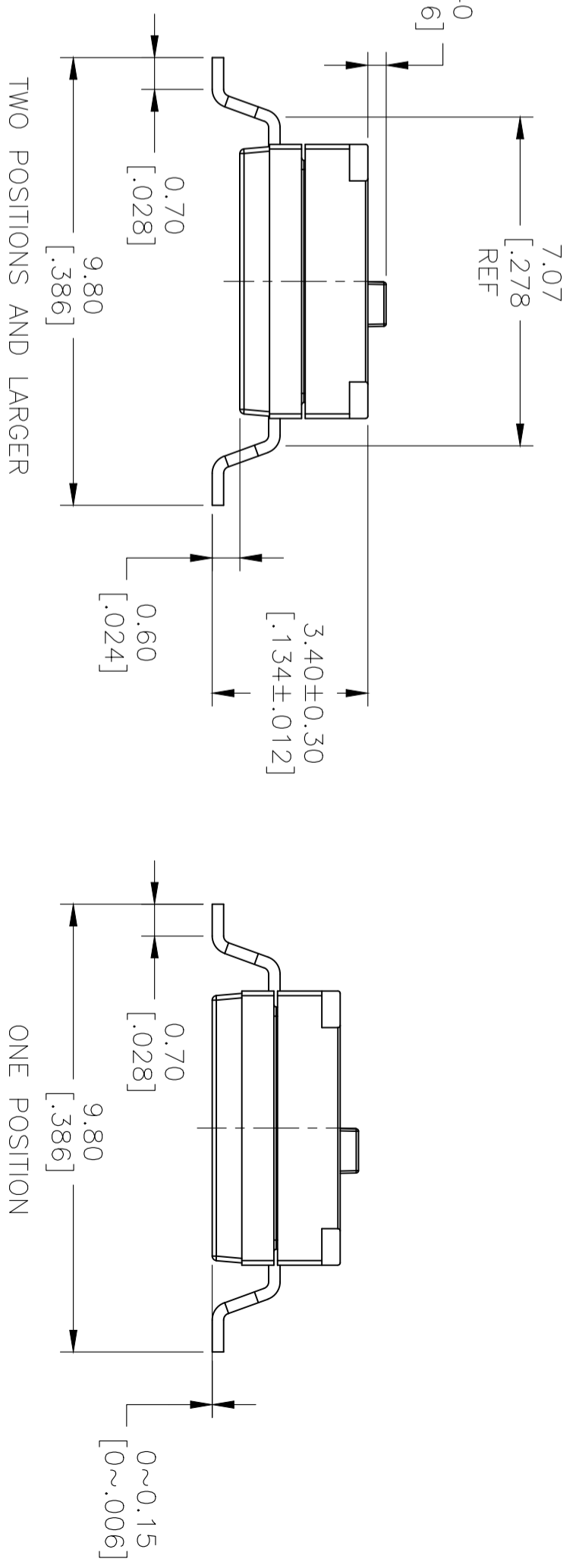
REVISIONS		DATE	DMN	APRD
P	LTR			
A	INITIAL RELEASE	29MAY2017	SK	AS
A1	REVISED PER ECO-17-015842	27OCT2017	RK	AS



P.C.B. LAYOUT
 $B \pm 0.10 = 2.54(P-1)$
 $[B \pm 0.004 = .1(P-1)]$



(1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12 POS AVAIL)
 CIRCUIT DIAGRAM

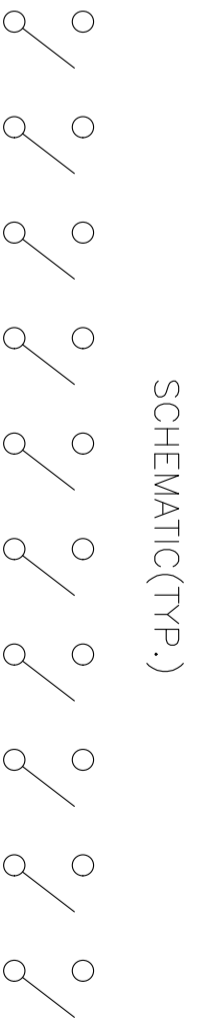
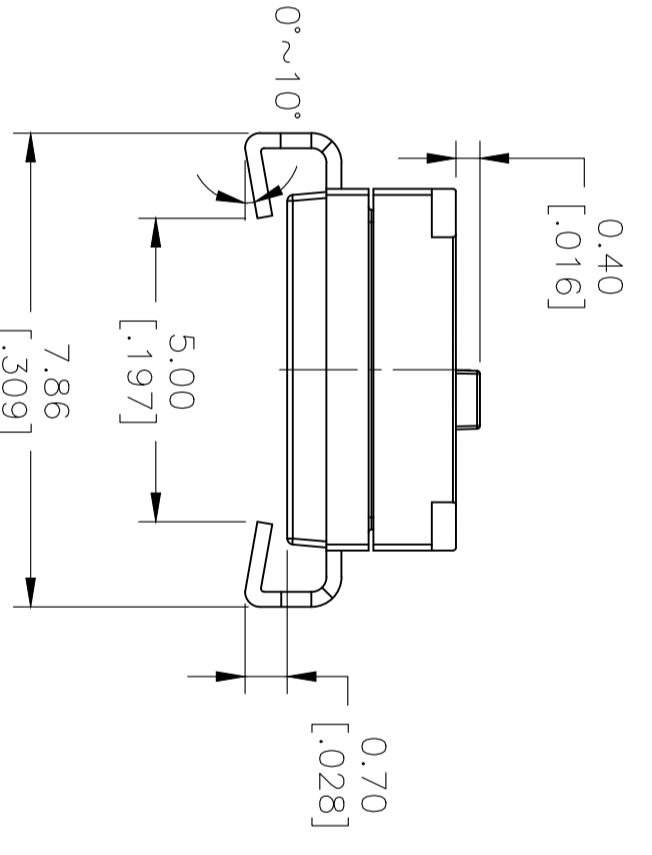
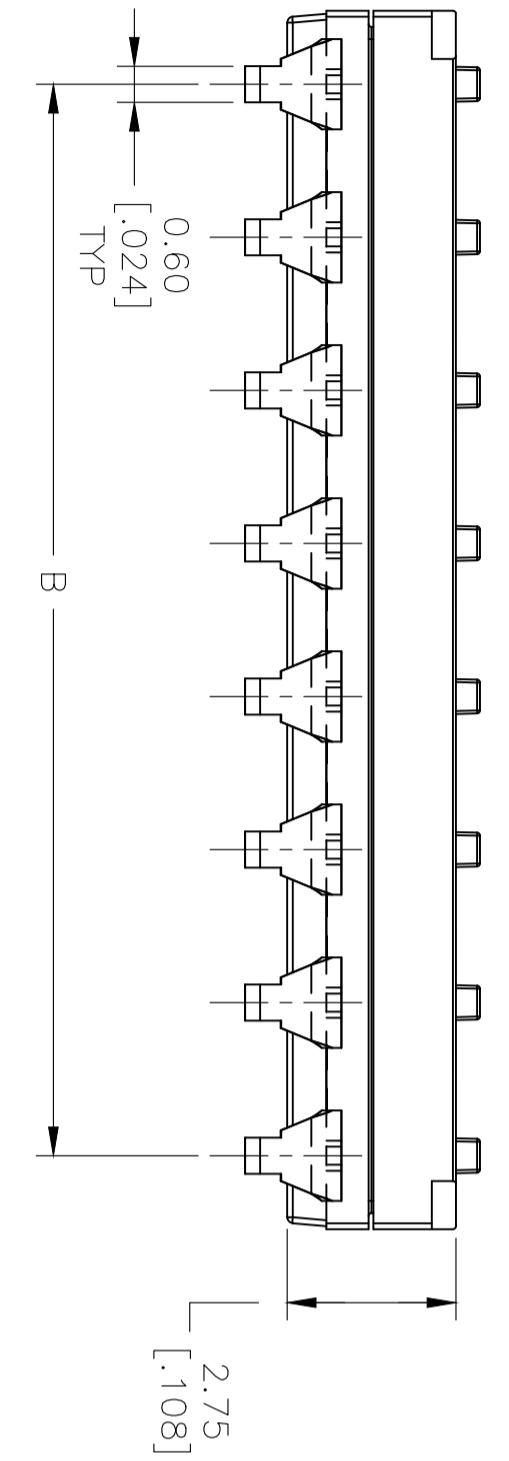
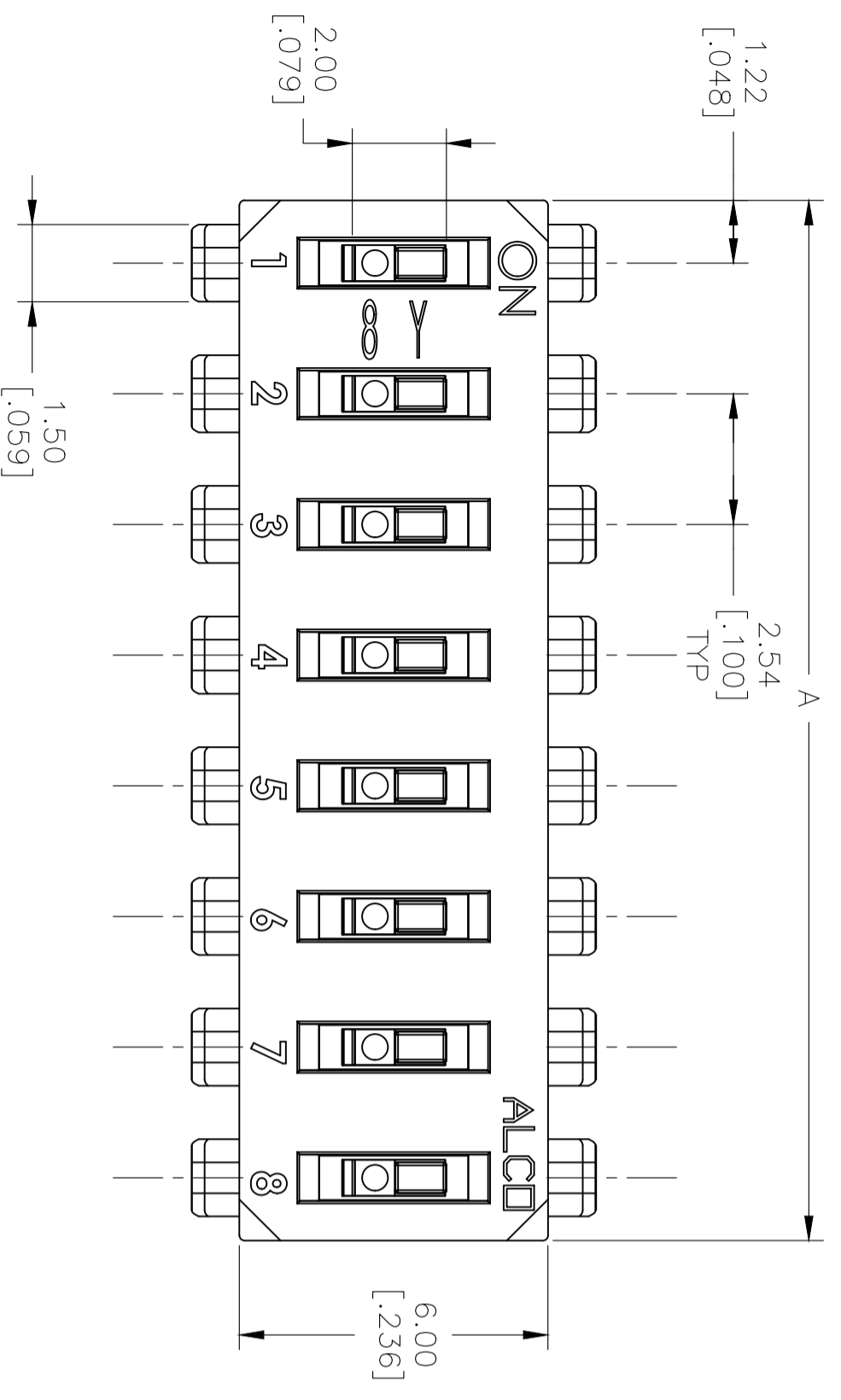


- EDS
- POSITIONS: 01,02,03,04,05,06,07,08,09,10,12
- SMT:
- SG=GULL WING
- SN=J STYLE
- ACTUATOR:
- N=RAISED
- R=RECESSED
- HALOGEN FREE
- ROHS COMPLIANT
- PACKAGING:
- TU=TUBE
- TR=TAPE AND REEL
- SEAL:
- N=NONE
- S=TOP SEAL

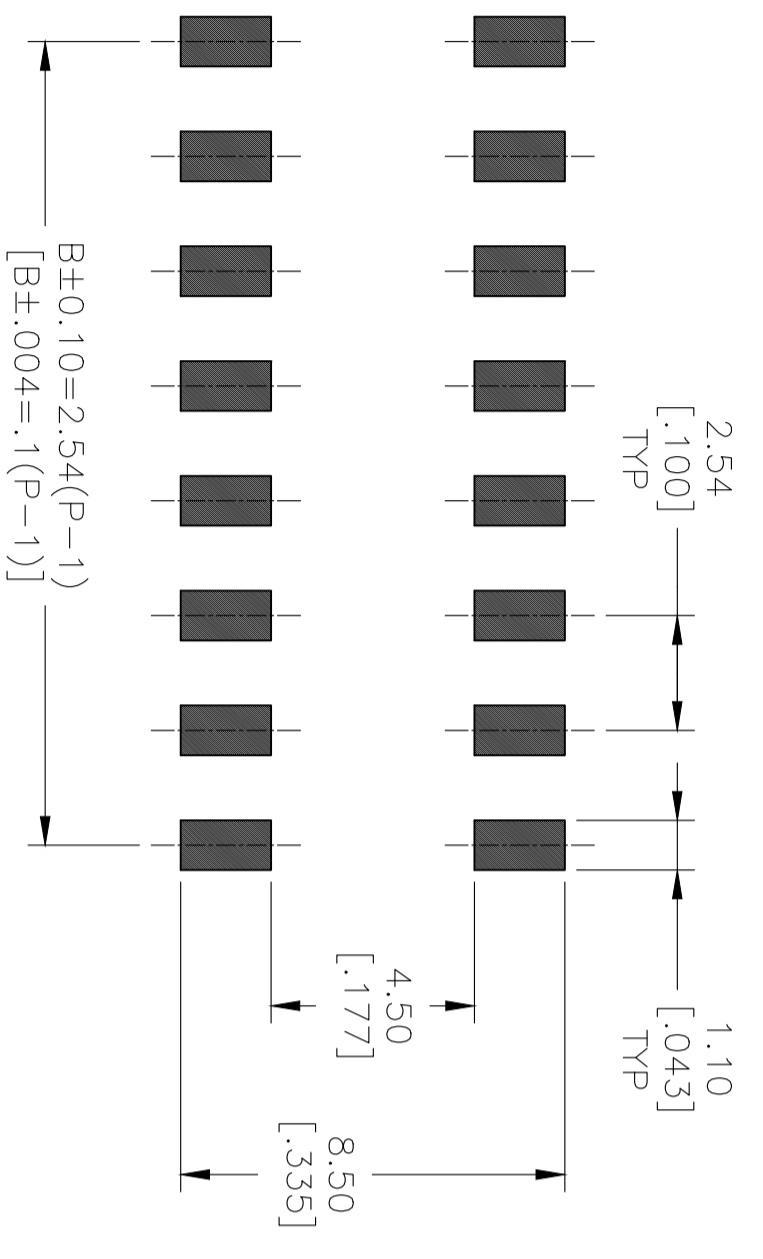
THIS DRAWING IS A CONTROLLED DOCUMENT.		29MAY2017	
DMN	SHIVAKUMAR, S S	NAME	TE Connectivity
CHK	ALEXANDER, SHARPE	END STACKABLE DIP SWITCHES	
APVD	ALEXANDER, SHARPE	RAISED ACTUATOR	
PRODUCT SPEC		SIZE	A2
APPLICATION SPEC		CAGE CODE	00779
WEIGHT		DRAWING NO	2319847
CUSTOMER DRAWING		SCALE	1:1
		SHEET	1 of 4
		REV	A1

J SERIES RAISED ACTUATOR

REVISIONS		DATE	DNW	APRD
P	LTR			
-	SEE SHEET 1			



(2, 3, 4, 5, 6, 7, 8, 9,
 10, 12 POS AVAIL)
 CIRCUIT DIAGRAM



P.C.B. LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DNW SHIVAKUMAR S S 29MAY2017		NAME	
DIMENSIONS: mm(INCHES)		CHK ALEXANDER SHARPE 12MAY2017		END STACKABLE DIP SWITCHES	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD ALEXANDER SHARPE 29MAY2017		RAISED ACTUATOR	
0 PLC	±	APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO
1 PLC	±		A2	00779	2319847
2 PLC	± 0.20(.008)	WEIGHT			
3 PLC	±	CUSTOMER DRAWING			
4 PLC	±				
FINISH	±				
MATERIAL				SCALE	1:1
				SHEET	2 of 4
				REV	A1



TE Connectivity

REVISIONS		DATE	DNV	APPD
P	LR	DESCRIPTION		
-	-	SEE SHEET 1	-	-

NOTES SERIES	DIM		No OF POSITION	TE DESCRIPTIVE PART NUMBER	TE PART NUMBER
	B	A			
J	27.94 [1.100]	30.38 [1.196]	12	EDS12SNNNTU04Q	4-2319847-2
	22.86 [.900]	25.3 [.996]	10	EDS10SNNNTU04Q	4-2319847-1
	20.32 [.800]	22.76 [.896]	09	EDS09SNNNTU04Q	4-2319847-0
	17.78 [.700]	20.22 [.796]	08	EDS08SNNNTU04Q	3-2319847-9
	15.24 [.600]	17.68 [.696]	07	EDS07SNNNTU04Q	3-2319847-8
	12.70 [.500]	15.14 [.596]	06	EDS06SNNNTU04Q	3-2319847-7
	10.16 [.400]	12.60 [.496]	05	EDS05SNNNTU04Q	3-2319847-6
	7.62 [.300]	10.06 [.396]	04	EDS04SNNNTU04Q	3-2319847-5
	5.08 [.200]	7.52 [.296]	03	EDS03SNNNTU04Q	3-2319847-4
	2.54 [.100]	4.98 [.196]	02	EDS02SNNNTU04Q	3-2319847-3
	27.94 [1.100]	30.38 [1.196]	12	EDS12SNNNTU04Q	3-2319847-2
	22.86 [.900]	25.3 [.996]	10	EDS10SNNNTU04Q	3-2319847-1
M	20.32 [.800]	22.76 [.896]	09	EDS09SGNNTU04Q	3-2319847-0
	17.78 [.700]	20.22 [.796]	08	EDS08SGNNTU04Q	2-2319847-9
	15.24 [.600]	17.68 [.696]	07	EDS07SGNNTU04Q	2-2319847-8
	12.70 [.500]	15.14 [.596]	06	EDS06SGNNTU04Q	2-2319847-7
	10.16 [.400]	12.60 [.496]	05	EDS05SGNNTU04Q	2-2319847-6
	7.62 [.300]	10.06 [.396]	04	EDS04SGNNTU04Q	2-2319847-5
	5.08 [.200]	7.52 [.296]	03	EDS03SGNNTU04Q	2-2319847-4
	2.54 [.100]	4.98 [.196]	02	EDS02SGNNTU04Q	2-2319847-3
	-	2.44 [.096]	01	EDS01SGNNTU04Q	2-2319847-2
	27.94 [1.100]	30.38 [1.196]	12	EDS12SNNNTU04Q	2-2319847-1

NOTES SERIES	DIM		No OF POSITION	TE DESCRIPTIVE PART NUMBER	TE PART NUMBER
	B	A			
J	22.86 [.900]	25.3 [.996]	10	EDS10SNNNTU04Q	2-2319847-0
	20.32 [.800]	22.76 [.896]	09	EDS09SNNNTU04Q	1-2319847-9
	17.78 [.700]	20.22 [.796]	08	EDS08SNNNTU04Q	1-2319847-8
	15.24 [.600]	17.68 [.696]	07	EDS07SNNNTU04Q	1-2319847-7
	12.70 [.500]	15.14 [.596]	06	EDS06SNNNTU04Q	1-2319847-6
	10.16 [.400]	12.60 [.496]	05	EDS05SNNNTU04Q	1-2319847-5
	7.62 [.300]	10.06 [.396]	04	EDS04SNNNTU04Q	1-2319847-4
	5.08 [.200]	7.52 [.296]	03	EDS03SNNNTU04Q	1-2319847-3
	2.54 [.100]	4.98 [.196]	02	EDS02SNNNTU04Q	1-2319847-2
	27.94 [1.100]	30.38 [1.196]	12	EDS12SNNNTU04Q	1-2319847-1
	22.86 [.900]	25.3 [.996]	10	EDS10SGNNTU04Q	1-2319847-0
	20.32 [.800]	22.76 [.896]	09	EDS09SGNNTU04Q	2319847-9
17.78 [.700]	20.22 [.796]	08	EDS08SGNNTU04Q	2319847-8	
15.24 [.600]	17.68 [.696]	07	EDS07SGNNTU04Q	2319847-7	
12.70 [.500]	15.14 [.596]	06	EDS06SGNNTU04Q	2319847-6	
10.16 [.400]	12.60 [.496]	05	EDS05SGNNTU04Q	2319847-5	
7.62 [.300]	10.06 [.396]	04	EDS04SGNNTU04Q	2319847-4	
5.08 [.200]	7.52 [.296]	03	EDS03SGNNTU04Q	2319847-3	
2.54 [.100]	4.98 [.196]	02	EDS02SGNNTU04Q	2319847-2	
-	2.44 [.096]	01	EDS01SGNNTU04Q	2319847-1	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm[INCHES] 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ± 0.20[.008] 3 PLC ± 4 PLC ± FINISH
MATERIAL: -	FINISH: -

DNV: SHIVAKUMAR S S
 CHK: ALEXANDER SHARPE
 APVD: ALEXANDER SHARPE
 PRODUCT SPEC: -
 APPLICATION SPEC: -
 WEIGHT: -
 CUSTOMER DRAWING: -

NAME: END STACKABLE DIP SWITCHES RAISED ACTUATOR
 SIZE: A2
 CAGE CODE: 00779
 DRAWING NO: 2319847
 SCALE: 1:1
 SHEET: 3 of 4
 REV: A1

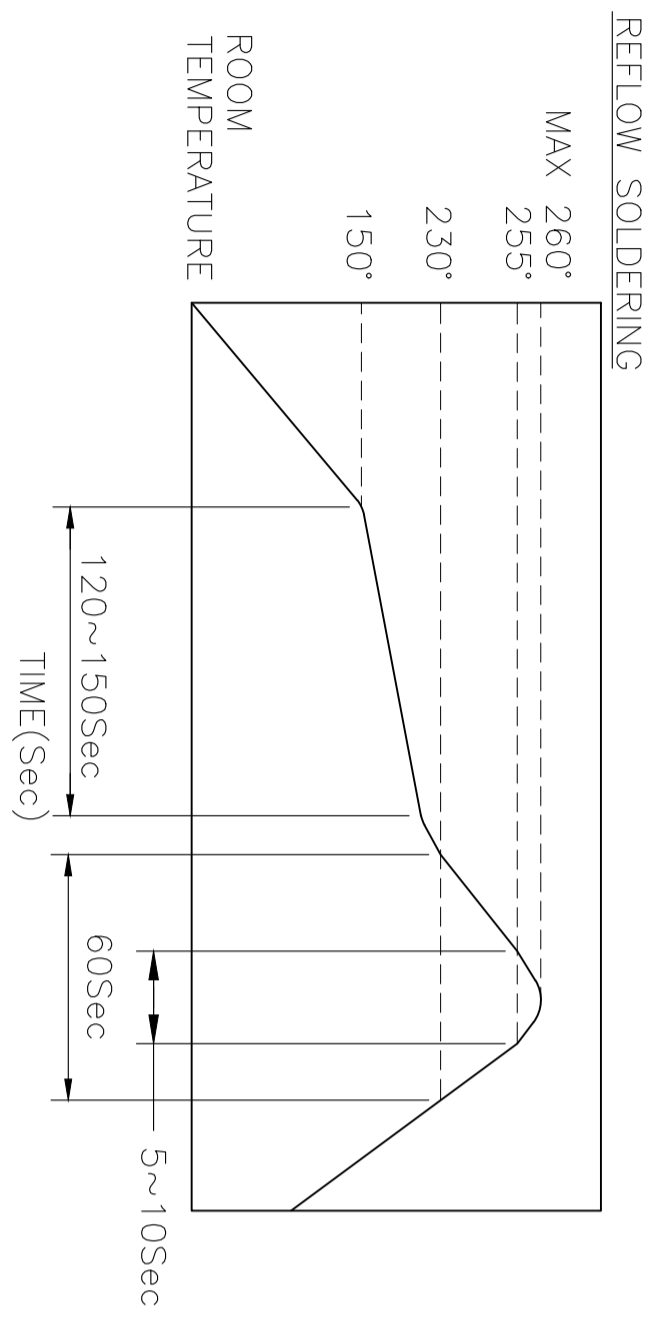
2319847

REVISIONS		DATE	DNW	ASD
P	LR	DESCRIPTION		
-	-	SEE SHEET 1	-	-

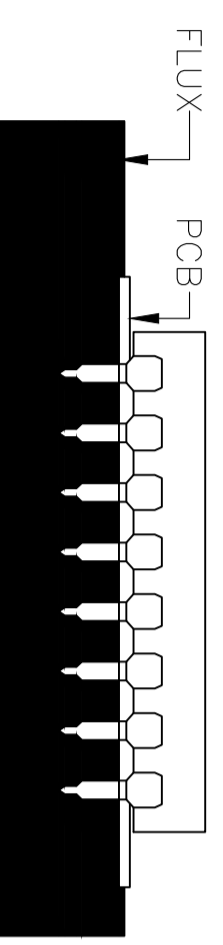
SOLDERING CONDITIONS:
 THE CONDITIONS MENTIONED BELOW IS THE TEMPERATURE ON THE CU FOIL OF THE P.C.B SURFACE. DO NOT ALLOW THE SWITCH'S SURFACE TEMPERATURE TO EXCEED 260°C.

MANUAL SOLDERING

SOLDERING TEMPERATURE	MAX. 350°C.
CONTINUOUS SOLDERING TIME	MAX. 5 SECONDS.



- HANDLING PRECAUTIONS**
- CARE SHOULD BE EXERCISED SO THAT FLUX FROM THE UPPER PART OF THE PRINTED CIRCUIT BOARD DOES NOT ADHERE TO THE SWITCH.
 - DON'T CLEAN THE SWITCH BODY EXCEPT WITH TOP TAPE SEALED TYPE, WHICH CAN ONLY SPRAY OF CLEANING METHOD FROM TOP OF S/W.
 - ENSURE FLUX DOES NOT RISE ABOVE THE TOP SURFACE OF THE PCB.



SPECIFICATIONS:
MATERIALS:
 BASE: PA (HIGH-TEMP. NYLON) UL94V-O
 COVER: PA (HIGH-TEMP. NYLON) UL94V-O
 ACTUATOR: LCP UL94V-O
 CONTACT: COPPER ALLOY, GOLD (in contact ared)
 OVER NICKEL PLATE
 TERMINAL: BRASS ALLOY, GOLD PLATE
 TAPE: POLYAMIDE.

ELECTRICAL:
 CONTACT RATING: NON-SWITCHING 100mA @ 50 VDC.
 SWITCHING: 25mA @ 24 VDC.
 INITIAL CONTACT RESISTANCE: 100mΩ MAX. @ 2 VDC, 10mA.
 INSULATION RESISTANCE: 100 MEGOHMS MIN. @ 500 VDC,
 1 MINUTE +/- 5 SECONDS.
 DIELECTRIC STRENGTH: 500 VAC (50 OR 60 HZ), 1 MINUTE.
 DURABILITY: 2,000 CYCLES.
 CAPACITANCE: 5 pF MAX @ 1 MHz +/- 10 KHz.

MECHANICAL:
 OPERATING FORCE: 1000gf MAX.

ENVIRONMENTAL:
 OPERATING TEMPERATURE: -20°C TO +85°C.
 STORAGE TEMPERATURE: -40°C TO +85°C.
 SOLDER HEAT RESISTANCE PER 109-201, CONDITION B.
 SOLDERABILITY PER JIS C 0050 & JIS C 0053.

- NOTES:**
- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27 JAN 2003 (ROHS).
 - TUBE PACKAGING.
 - TAPE AND REEL PACKAGING.

THIS DRAWING IS A CONTROLLED DOCUMENT.		29MAY2017		TE Connectivity	
DNW	SHIVAKUMAR S S	12MAY2017			
CHK	ALEXANDER SHARPE	29MAY2017			
APVD	ALEXANDER SHARPE				
PRODUCT SPEC					
APPLICATION SPEC					
WEIGHT	A2 00779		C 2319847		RESTRICTED TO
CUSTOMER DRAWING	SCALE 1:1		SHEET 4 OF 4		REV A1

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm[INCHES]			
0 PLC	±	±	
1 PLC	±	± 0.20[0.008]	
2 PLC	±	±	
3 PLC	±	±	
4 PLC	±	±	
ANGLES	±	±	
FINISH			
MATERIAL			