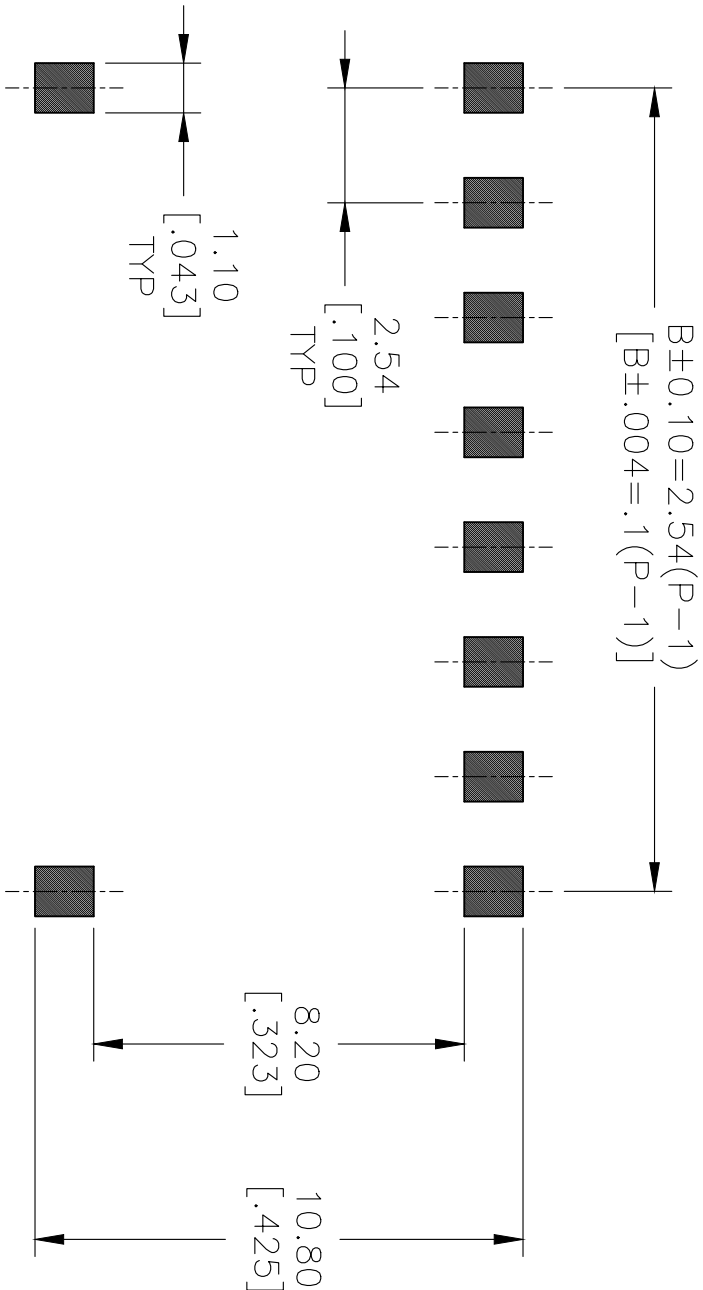
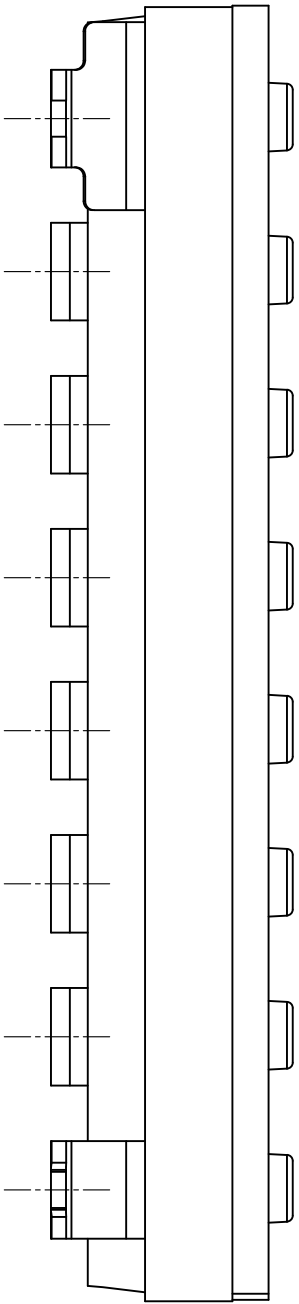
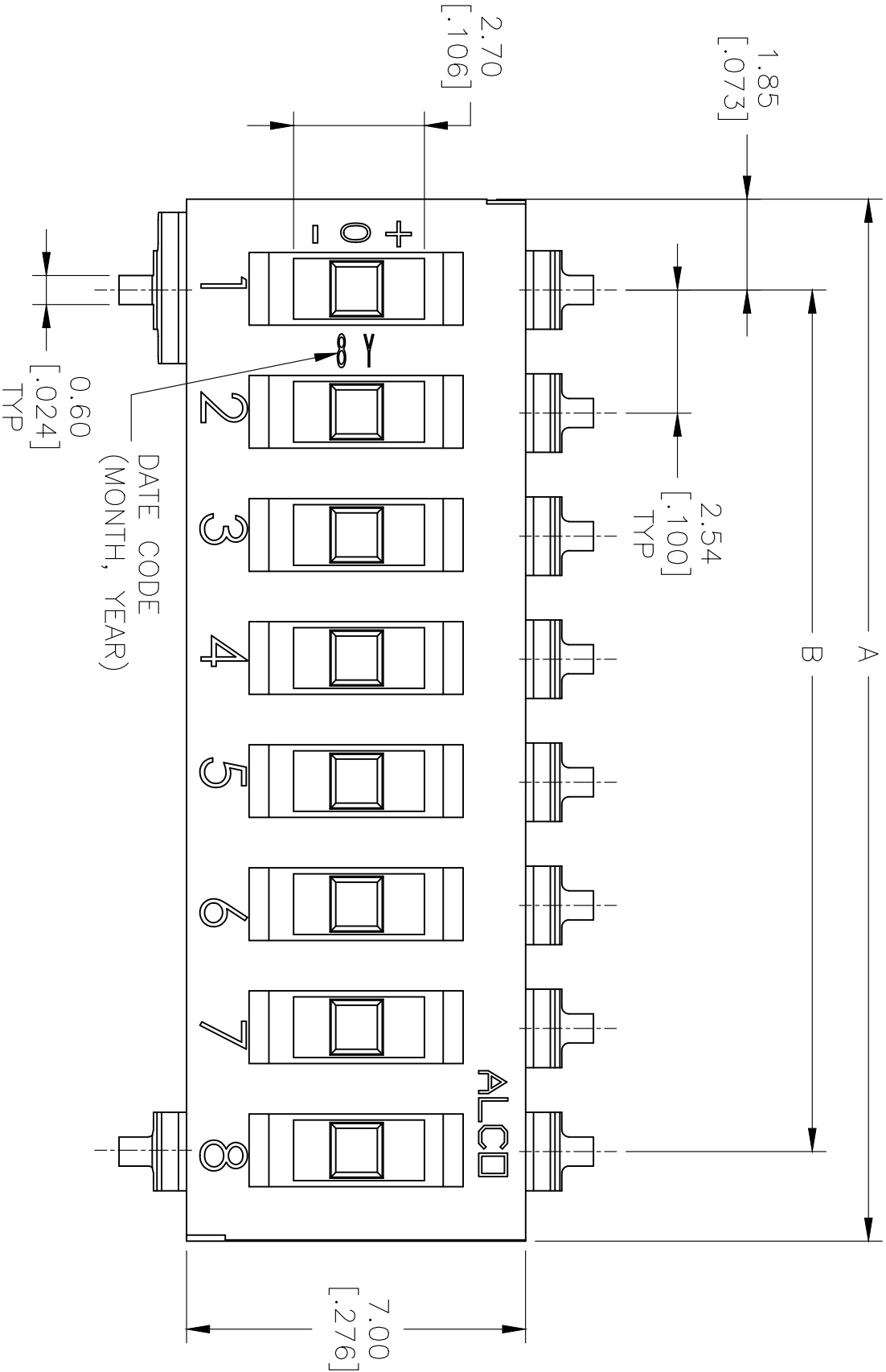
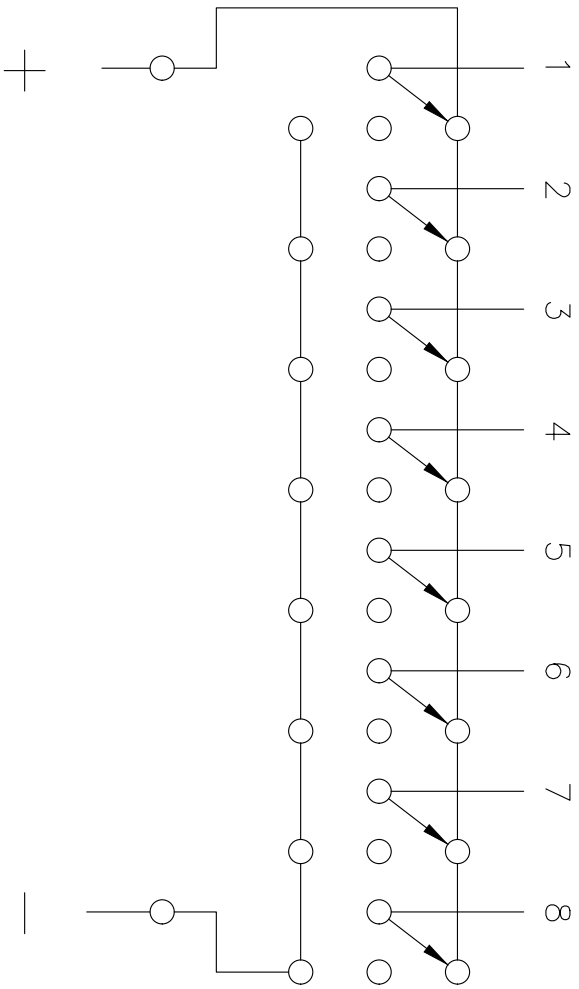


RECESSED ACTUATOR

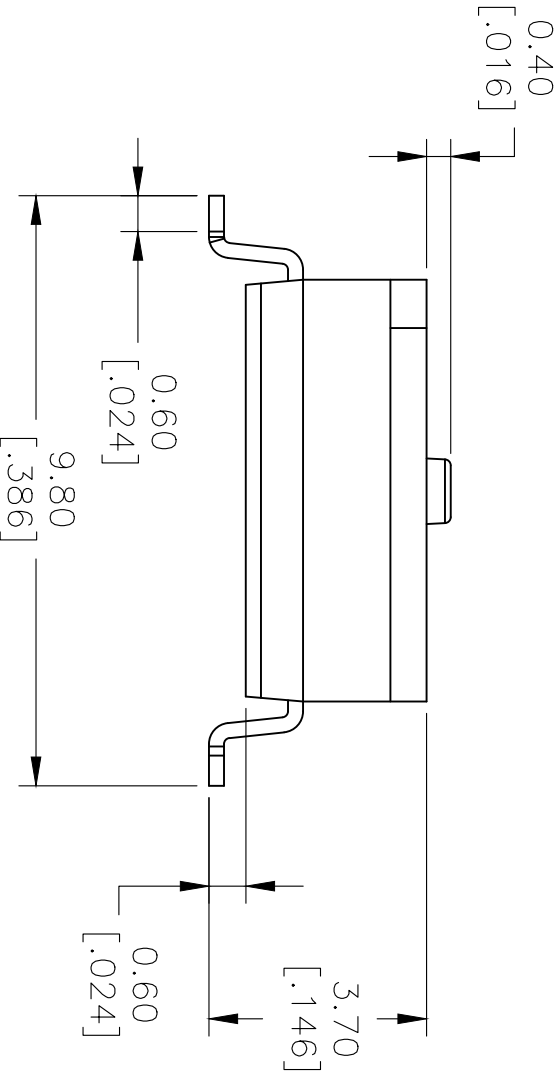
REVISIONS			
P	LTR	DESCRIPTION	DATE
A	INITIAL RELEASE	29MAY2017	SK AS
B	REVISED PER ECO-17-014875	17OCT2017	RK AS



P.C.B. LAYOUT



CIRCUIT DIAGRAM



TDS SG 04

POSITIONS: 04,05,08,09,10

SMT: GULL WING

ROHS COMPLIANT

PACKAGING: TU=TUBE TR=TAPE AND REEL

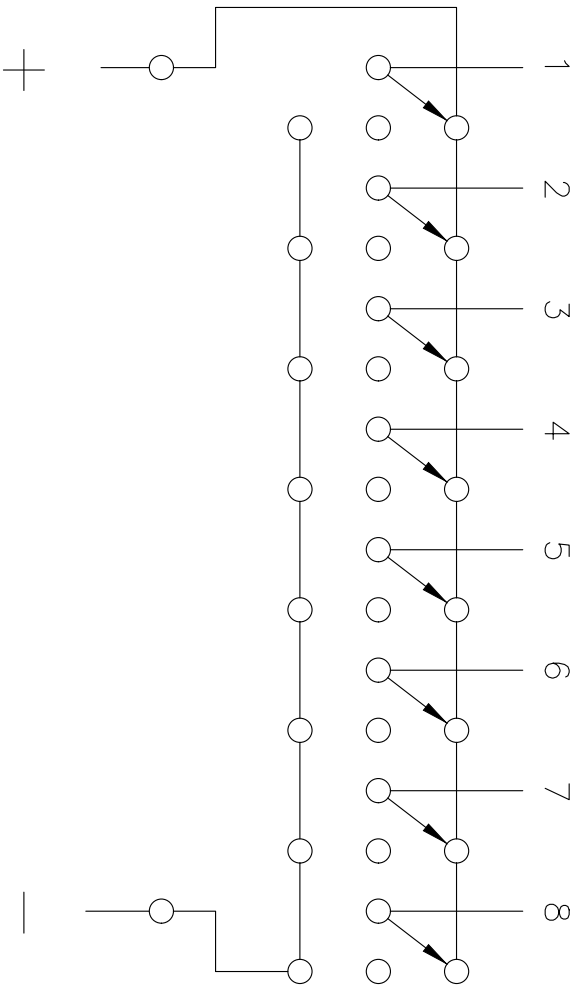
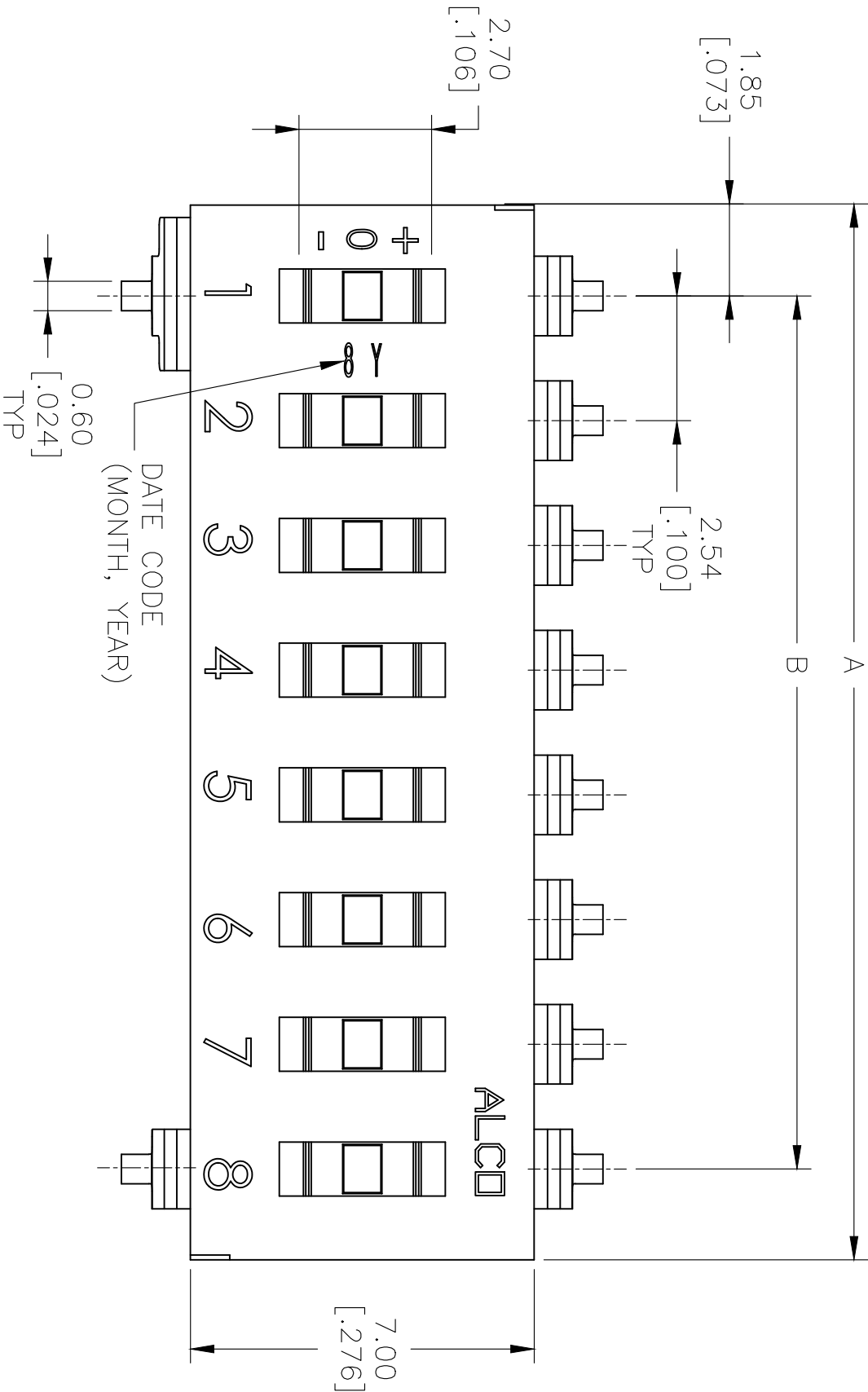
ACTUATOR: N=RAISED R=RECESSED

SEAL: N=NONE S=TOP SEAL

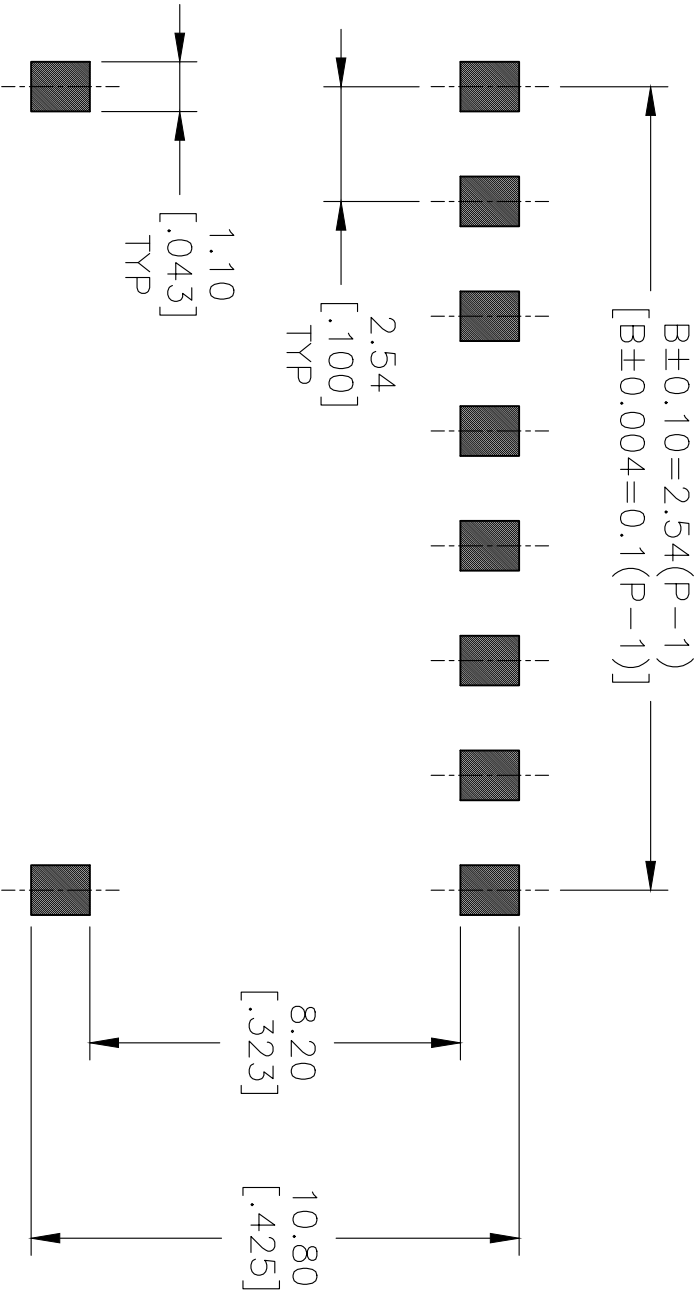
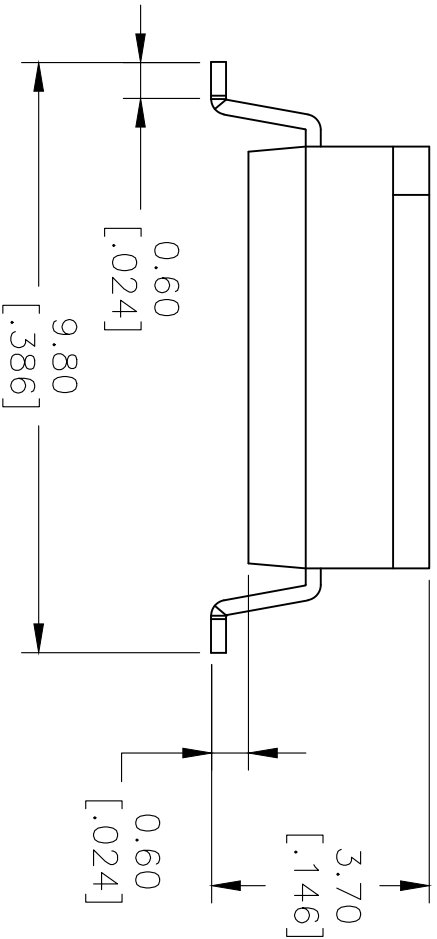
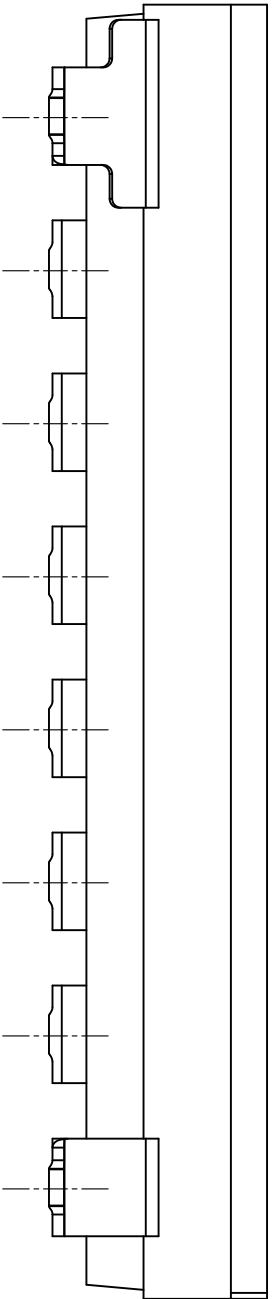
THIS DRAWING IS A CONTROLLED DOCUMENT.			
DWG	SHIVAKUMAR, S S	29MAY2017	NAME
CHK	ALEXANDER SHARPE	29MAY2017	TE Connectivity
APVD	ALEXANDER SHARPE	29MAY2017	TRI-STATE DIP SWITCHES
DIMENSIONS: mm(INCHES)		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
0 PLC ± -		1 PLC ± -	
2 PLC ± 0.20[.008]		3 PLC ± -	
4 PLC ± -		5 PLC ± -	
MATERIAL		FINISH	
-		-	
APPLICATION SPEC		WEIGHT	
-		-	
CUSTOMER DRAWING		SCALE	
A2		8:1	
00779		2319747	
CAGE CODE		DRAWING NO	
-		-	
RESTRICTED TO		REV	
-		B	

RECESSED ACTUATOR

REVISIONS			
P	LTR	DESCRIPTION	DATE
-	-	SEE SHEET 1	-



CIRCUIT DIAGRAM



P.C.B. LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.			
DIMENSIONS: mm(INCHES)		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
0 PLC ± -		1 PLC ± -	
2 PLC ± 0.20[0.008]		3 PLC ± -	
4 PLC ± -		5 PLC ± -	
MATERIAL		FINISH	
-		-	
CUSTOMER DRAWING		SCALE 8:1	
SIZE A2		CAGE CODE 00779	
DRAWING NO 2319747		RESTRICTED TO	
WEIGHT		SHEET 2 OF 4	
APPLICATION SPEC		REV B	
NAME TRI-STATE DIP SWITCHES		DATE	
APPROVED ALEXANDER SHARPE		DATE	
CHECKED SHIVAKUMAR S S		DATE	
DATE 29MAY2017		DATE	
DATE 29MAY2017		DATE	



TE Connectivity

REVISIONS					
P	LTR	DESCRIPTION	DATE	DMN	APVD
—	—	SEE SHEET 1	—	—	—

YES	RECESSED		22.86 [.900]	26.56 [1.046]	10	TDS10SGRSTR04	3-2319747-0
			20.32 [.800]	24.02 [.946]	9	TDS09SGRSTR04	2-2319747-9
			17.78 [.700]	21.48 [.846]	8	TDS08SGRSTR04	2-2319747-8
			10.16 [.400]	13.86 [.546]	5	TDS05SGRSTR04	2-2319747-7
			7.62 [.300]	11.32 [.446]	4	TDS04SGRSTR04	2-2319747-6
			22.86 [.900]	26.56 [1.046]	10	TDS10SGRNTRO4	2-2319747-5
			20.32 [.800]	24.02 [.946]	9	TDS09SGRNTRO4	2-2319747-4
			17.78 [.700]	21.48 [.846]	8	TDS08SGRNTRO4	2-2319747-3
			10.16 [.400]	13.86 [.546]	5	TDS05SGRNTRO4	2-2319747-2
			7.62 [.300]	11.32 [.446]	4	TDS04SGRNTRO4	2-2319747-1
NO	RAISED		22.86 [.900]	26.56 [1.046]	10	TDS10SGNNTRO4	2-2319747-0
			20.32 [.800]	24.02 [.946]	9	TDS09SGNNTRO4	1-2319747-9
			17.78 [.700]	21.48 [.846]	8	TDS08SGNNTRO4	1-2319747-8
			10.16 [.400]	13.86 [.546]	5	TDS05SGNNTRO4	1-2319747-7
			7.62 [.300]	11.32 [.446]	4	TDS04SGNNTRO4	1-2319747-6
			22.86 [.900]	26.56 [1.046]	10	TDS10SGNNTRO4	2319747-5
			20.32 [.800]	24.02 [.946]	9	TDS09SGNNTRO4	2319747-4
			17.78 [.700]	21.48 [.846]	8	TDS08SGNNTRO4	2319747-3
			10.16 [.400]	13.86 [.546]	5	TDS05SGNNTU04	2319747-2
			7.62 [.300]	11.32 [.446]	4	TDS04SGNNTU04	2319747-1

YES	RECESSED		22.86 [.900]	26.56 [1.046]	10	TDS10SGRSTU04	1-2319747-5
			20.32 [.800]	24.02 [.946]	9	TDS09SGRSTU04	1-2319747-4
			17.78 [.700]	21.48 [.846]	8	TDS08SGRSTU04	1-2319747-3
			10.16 [.400]	13.86 [.546]	5	TDS05SGRSTU04	1-2319747-2
			7.62 [.300]	11.32 [.446]	4	TDS04SGRSTU04	1-2319747-1
			22.86 [.900]	26.56 [1.046]	10	TDS10SGRNTU04	1-2319747-0
			20.32 [.800]	24.02 [.946]	9	TDS09SGRNTU04	2319747-9
			17.78 [.700]	21.48 [.846]	8	TDS08SGRNTU04	2319747-8
			10.16 [.400]	13.86 [.546]	5	TDS05SGRNTU04	2319747-7
			7.62 [.300]	11.32 [.446]	4	TDS04SGRNTU04	2319747-6
NO	RAISED		22.86 [.900]	26.56 [1.046]	10	TDS10SGNNTU04	2319747-5
			20.32 [.800]	24.02 [.946]	9	TDS09SGNNTU04	2319747-4
			17.78 [.700]	21.48 [.846]	8	TDS08SGNNTU04	2319747-3
			10.16 [.400]	13.86 [.546]	5	TDS05SGNNTU04	2319747-2
			7.62 [.300]	11.32 [.446]	4	TDS04SGNNTU04	2319747-1
			22.86 [.900]	26.56 [1.046]	10	TDS10SGNNTU04	2319747-0
			20.32 [.800]	24.02 [.946]	9	TDS09SGNNTU04	2319747-9
			17.78 [.700]	21.48 [.846]	8	TDS08SGNNTU04	2319747-8
			10.16 [.400]	13.86 [.546]	5	TDS05SGNNTU04	2319747-7
			7.62 [.300]	11.32 [.446]	4	TDS04SGNNTU04	2319747-6

THIS DRAWING IS A CONTROLLED DOCUMENT.									
DIMENSIONS: mm(INCHES)			TOLERANCES UNLESS OTHERWISE SPECIFIED:			NAME			
			0 PLG ± - 1 PLG ± - 2 PLG ± 0.20(.008) 3 PLG ± - 4 PLG ± -			SHIVAKUMAR, S S			
			FINISH			ALEXANDER SHARPE			
MATERIAL			—			APVD			
—			—			ALEXANDER SHARPE			
—			—			PRODUCT SPEC			
—			—			APPLICATION SPEC			
—			—			WEIGHT			
—			—			—			
TOP TAPE SEAL			ACTUATOR			NOTE			
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REVISIONS				
P	LTR	DESCRIPTION	DATE	DNW
1	SEE SHEET			

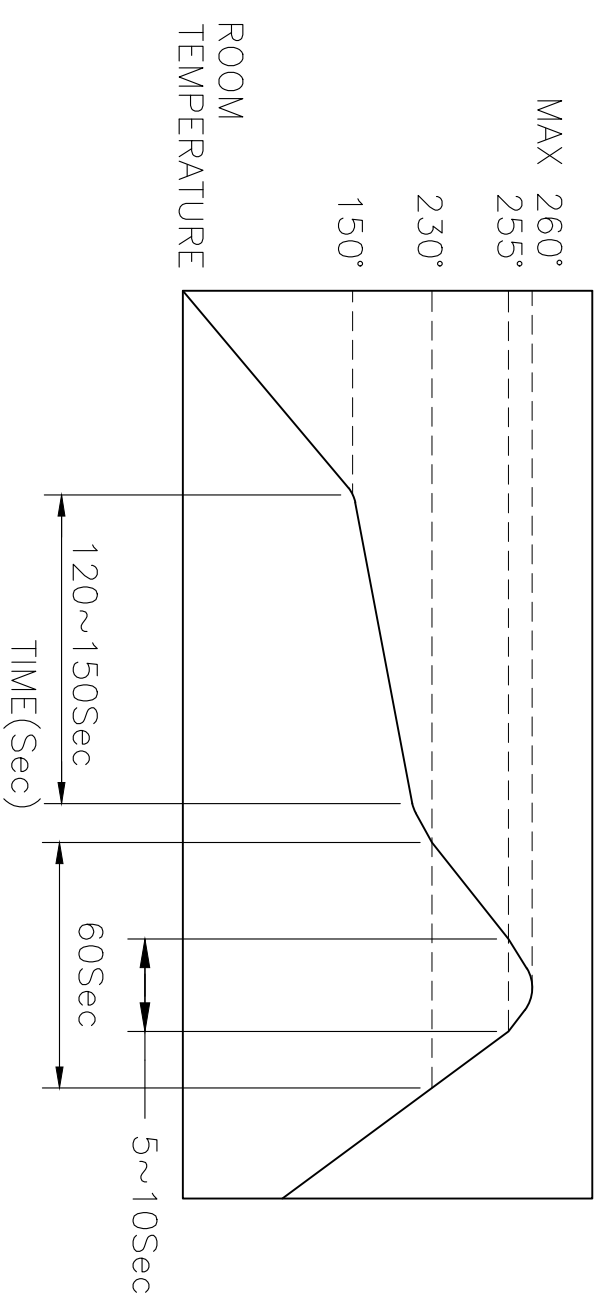
SOLDERING CONDITIONS:

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

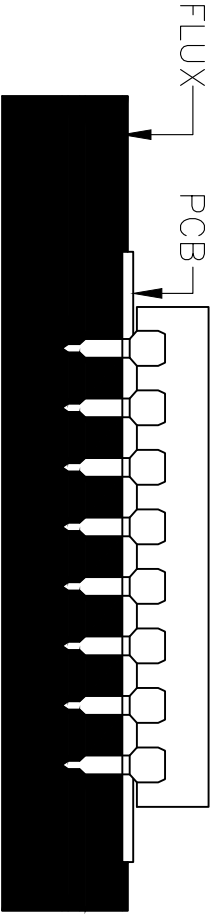
SOLDERING TEMPERATURE	MAX. 350°C.
CONTINUOUS SOLDERING TIME	MAX. 5 SECONDS.

REFLOW SOLDERING



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 area)
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:

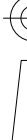
OPERATING TEMPERATURE: -20°C TO +85°C.
STORAGE TEMPERATURE: -40°C TO +85°C.
SOLDER HEAT RESISTANCE PER 109-201, CONDITION B.
SOLDERABILITY PER JIS C 0050 & JIS C 0053.

NOTES:

1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27 JAN 2003 (ROHS).

2 TUBE PACKAGING.

3 TAPE AND REEL PACKAGING.

THIS DRAWING IS A CONTROLLED DOCUMENT.									
DIMENSIONS: mm[INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DNW 29MAY2017 SHIVAKUMAR S S		29MAY2017			
		0 P.L.C	±	-	CHK 29MAY2017 ALEXANDER SHARPE		NAME		
		1 P.L.C	±	-	APVD 29MAY2017 ALEXANDER SHARPE		TRI-STATE DIP SWITCHES		
		2 P.L.C	±	0.20[.008]	Product SPEC				
		3 P.L.C	±	-	APPLICATION SPEC				
		4 P.L.C	±	-	WEIGHT				
MATERIAL		FINISH		CUSTOMER DRAWING		SCALE 8:1 SHEET 4 OF 4 REV B			



TE Connectivity

TRI-STATE DIP SWITCHES