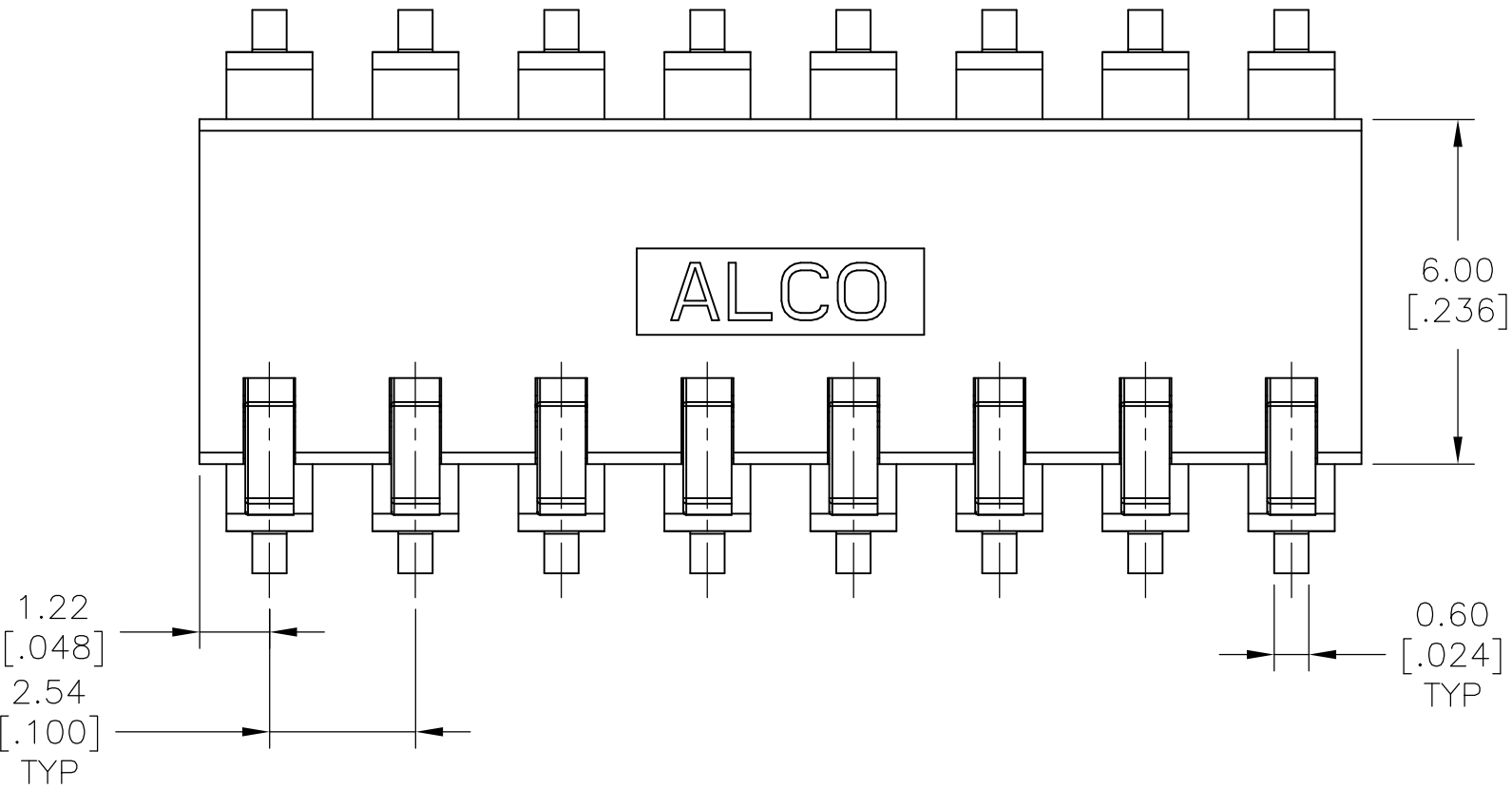
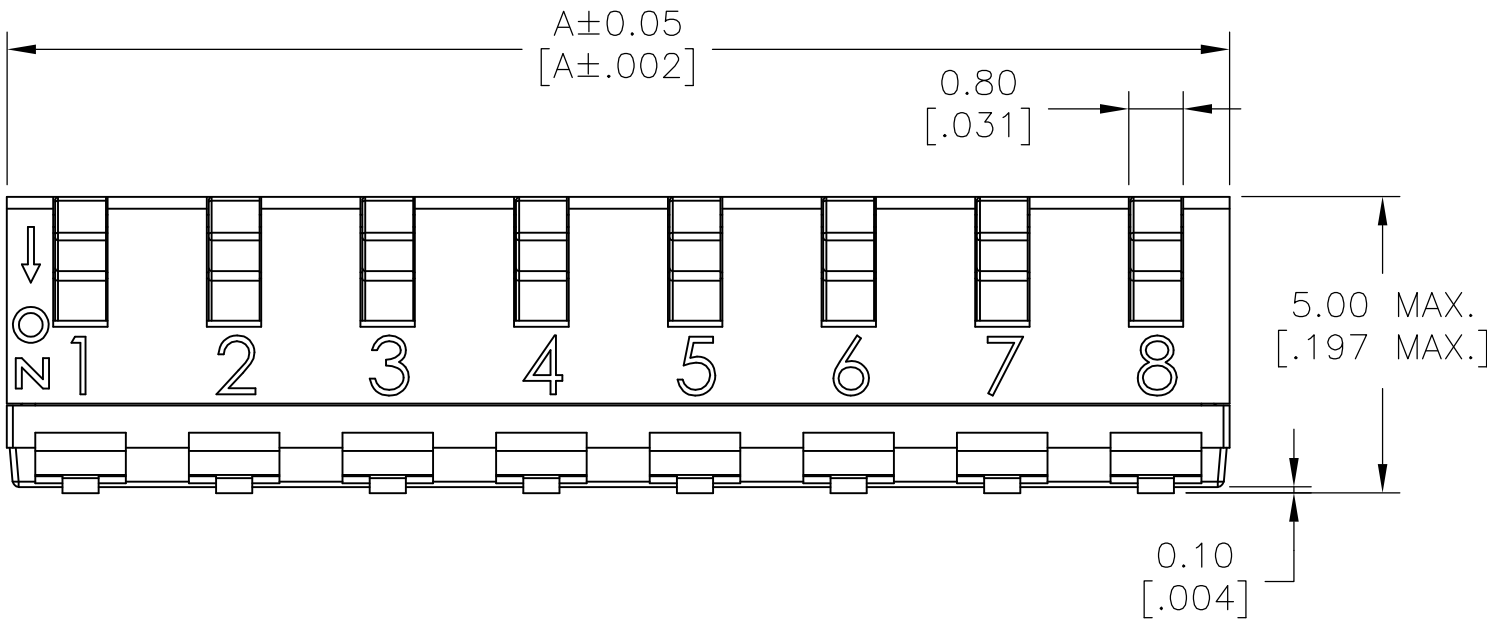


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	29MAY2017	SK	AS

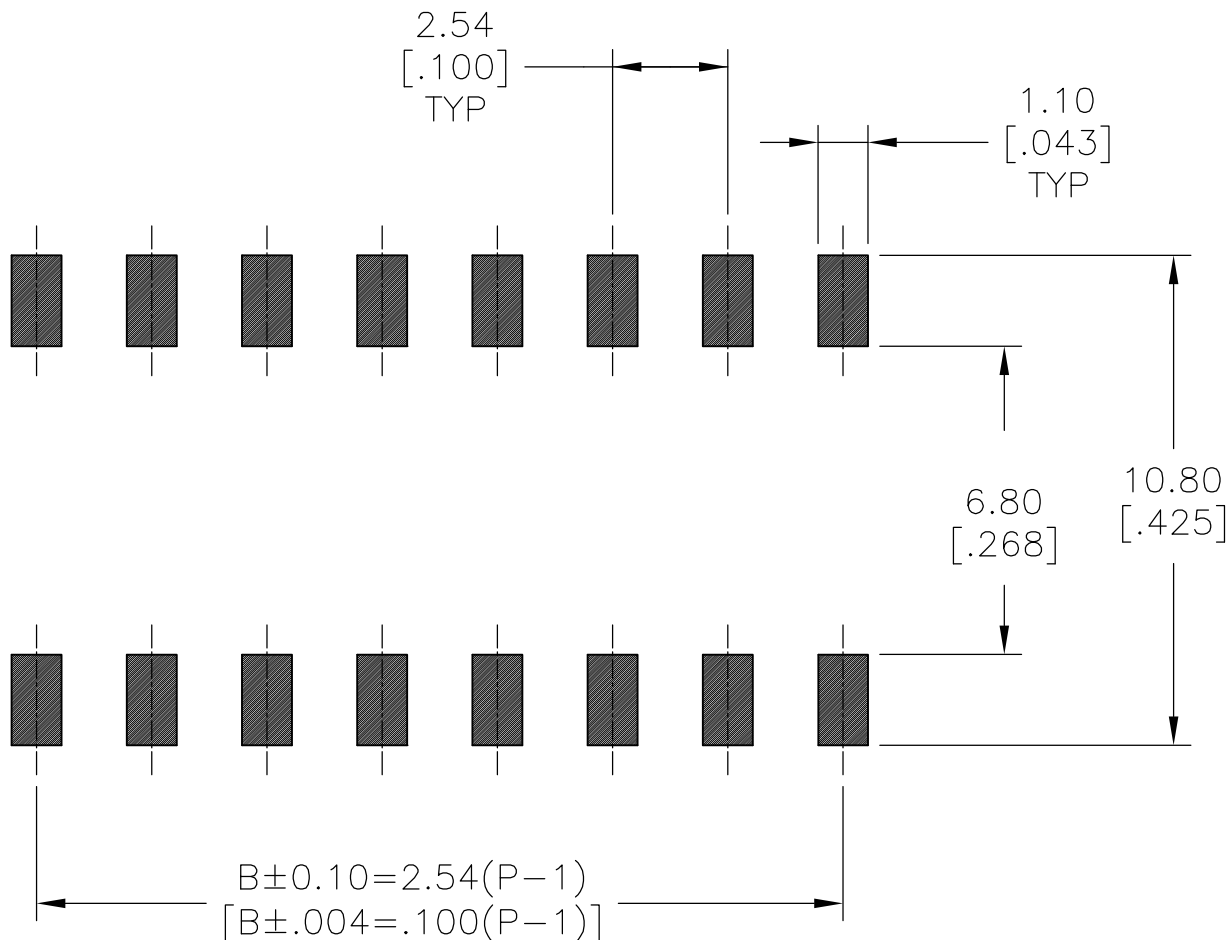
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C



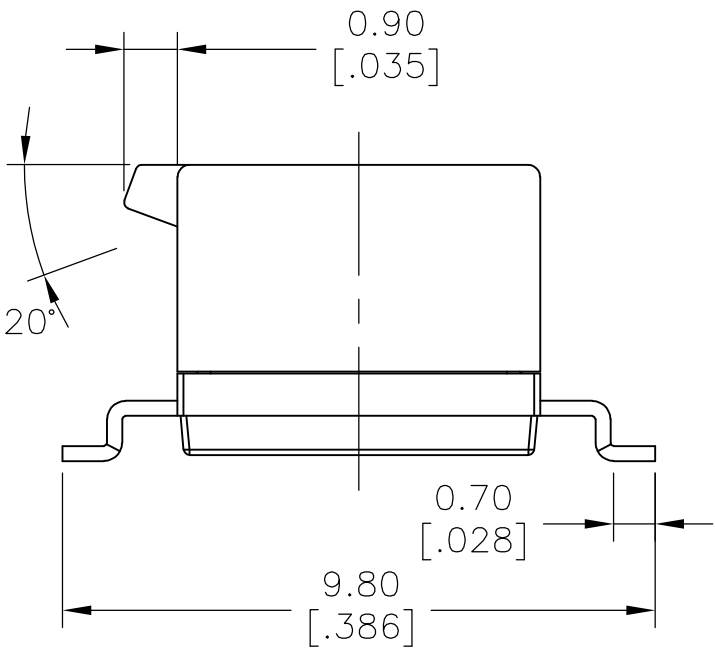
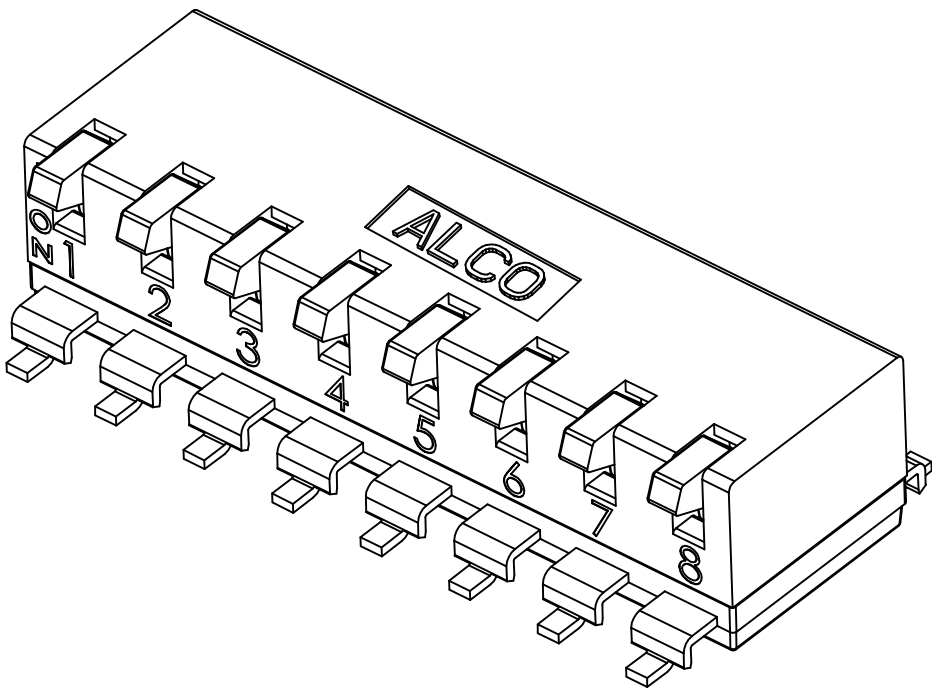
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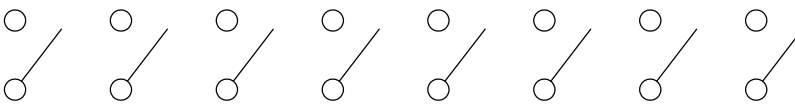
A

P.C.B. LAYOUT

LONG ACTUATOR
PUSH DOWN ON



SCHEMATIC(TYP.)



(2, 4, 6, 8, 10 POS AVAIL)

CIRCUIT DIAGRAM

EDSP SG 04

POSITIONS:
02,04,06,08,10

SMT:GULL WING

ACTUATOR:
L=LONG
R=SHORT

ROHS COMPLIANT

PACKAGING:
TU=TUBE
TR=TAPE AND REEL

SEAL:
N=NONE
S=TOP SEAL

ACTUATION:
N=PUSH DOWN ON
F=PUSH UP ON

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHIVAKUMAR S S	12MAY2017	TE Connectivity	
DIMENSIONS: mm[INCHES]		CHK ALEXANDER SHARPE	12MAY2017		
		APVD ALEXANDER SHARPE	12MAY2017	NAME PIANO DIP SWITCH END STACKABLE	
		PRODUCT SPEC		SIZE A2	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC		CAGE CODE 00779	
MATERIAL		WEIGHT		DRAWING NO C=2319764	
FINISH		CUSTOMER DRAWING		RESTRICTED TO	
		SCALE 1:1		SHEET 1 OF 4	
				REV A	

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

D

C

B

A

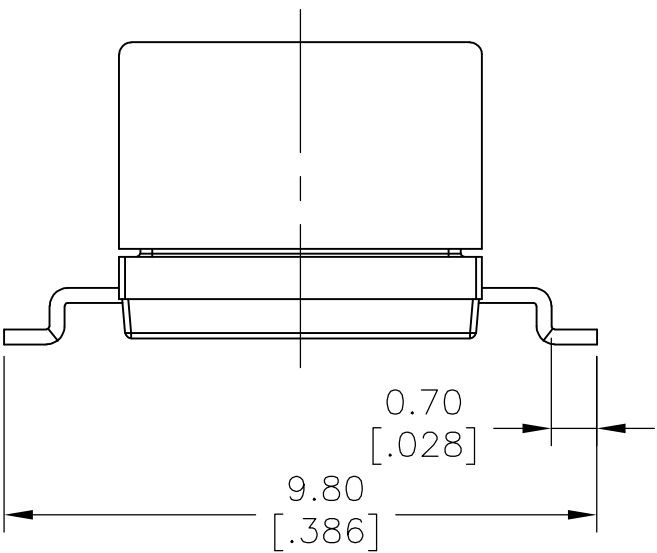
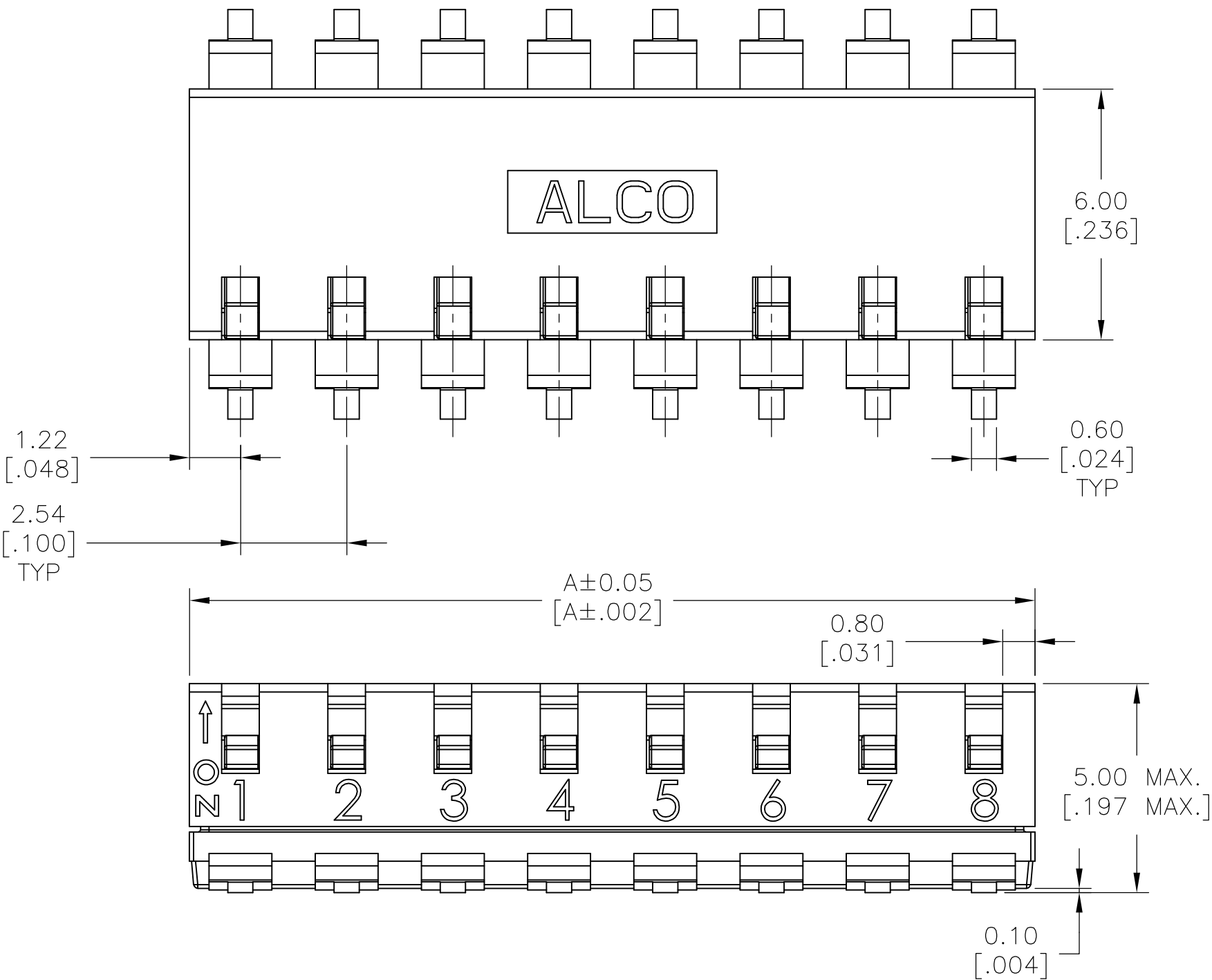
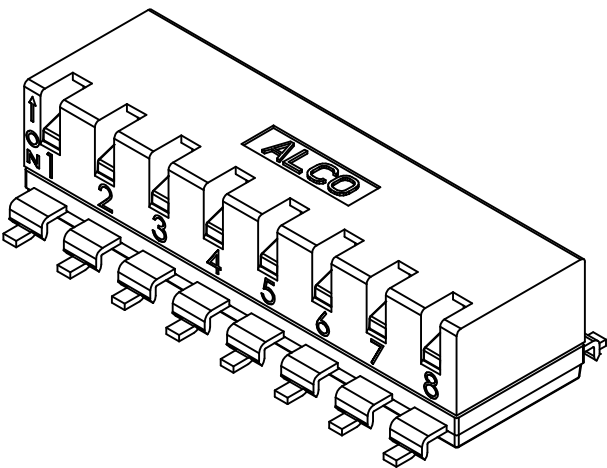
D

C

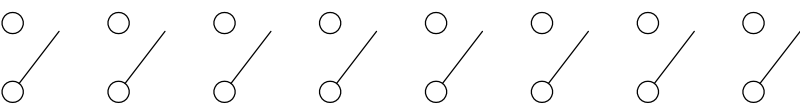
B

A

SHORT ACTUATOR
PUSH UP ON

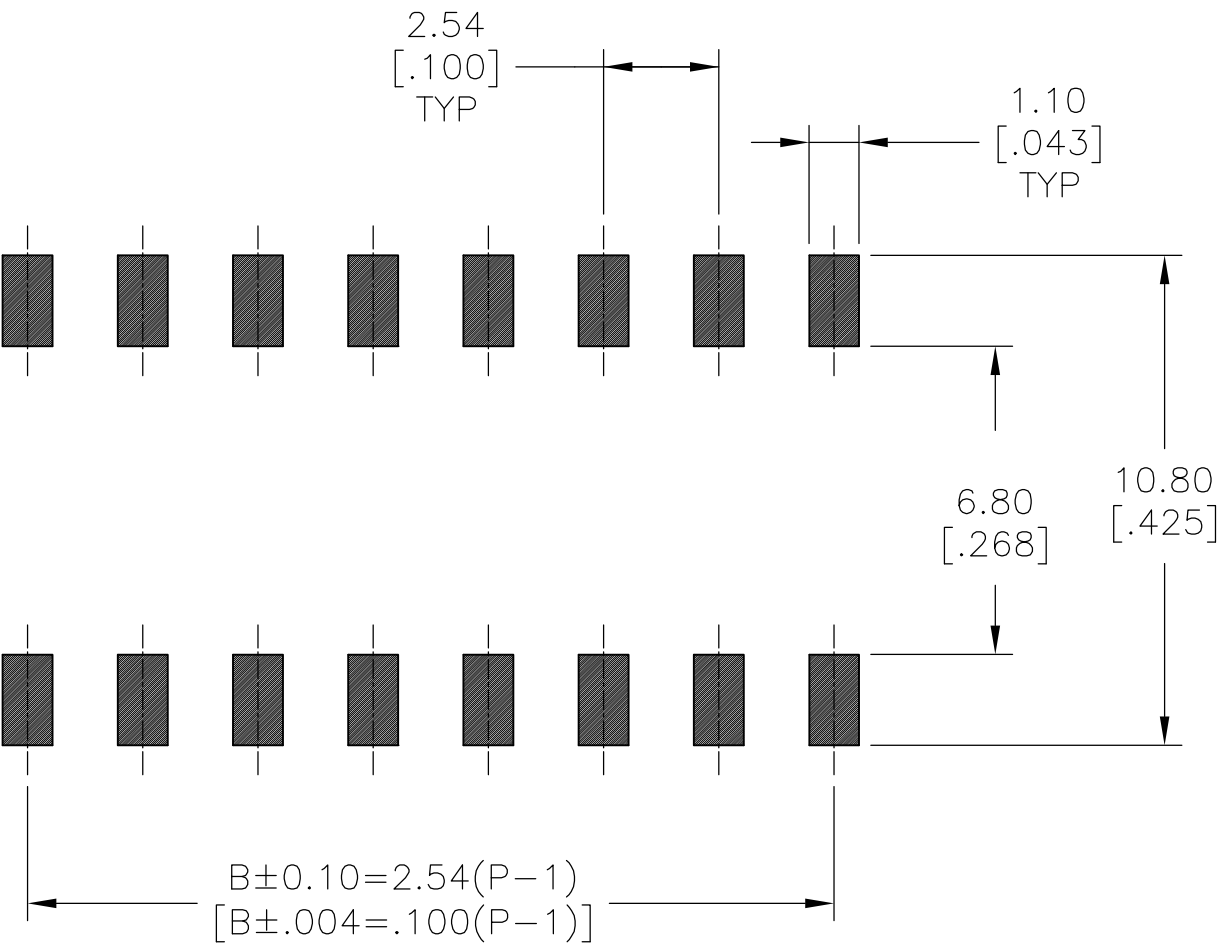


SCHEMATIC(TYP.)

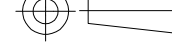


(2, 4, 6, 8, 10 POS AVAIL)

CIRCUIT DIAGRAM



P.C.B. LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHIVAKUMAR S S CHK ALEXANDER SHARPE APVD ALEXANDER SHARPE		12MAY2017 12MAY2017 12MAY2017		 TE Connectivity							
DIMENSIONS: mm[INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME									
		0 PLC ± -		PIANO DIP SWITCH END STACKABLE									
		1 PLC ± -		-									
		2 PLC ± 0.20[.008]		-									
		3 PLC ± -		-									
		4 PLC ± -		-									
		ANGLES ± -		-									
MATERIAL		FINISH		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO			
-		-		A2		00779		C=2319764		-			
CUSTOMER DRAWING						SCALE		1:1		SHEET 2 of 4		REV A	

4				3				2				1								
THIS DRAWING IS UNPUBLISHED.				RELEASED FOR PUBLICATION				-				REVISIONS								
© COPYRIGHT - TE Connectivity				ALL RIGHTS RESERVED.								P	LTR	DESCRIPTION		DATE	DWN	APVD		
													-	SEE SHEET 1		-	-	-		
YES	SHORT	DOWN ON	3	7.62 [.300]	10.06 [.396]	04	EDSP04SGRNSTR04	5-2319764-2	YES	SHORT	UP ON	2	2.54 [.100]	4.98 [.196]	02	EDSP02SGRFSTU04	2-2319764-6			
				2.54 [.100]	4.98 [.196]	02	EDSP02SGRNSTR04	5-2319764-1			DOWN ON		22.86 [.900]	25.30 [.996]	10	EDSP10SGRNSTU04	2-2319764-5			
22.86 [.900]				25.30 [.996]	10	EDSP10SGRFNTR04	5-2319764-0	17.78 [.700]			20.22 [.796]		08	EDSP08SGRNSTU04	2-2319764-4					
17.78 [.700]				20.22 [.796]	08	EDSP08SGRFNTR04	4-2319764-9	12.70 [.500]			15.14 [.596]		06	EDSP06SGRNSTU04	2-2319764-3					
12.70 [.500]				15.14 [.596]	06	EDSP06SGRFNTR04	4-2319764-8	7.62 [.300]			10.06 [.396]		04	EDSP04SGRNSTU04	2-2319764-2					
7.62 [.300]		10.06 [.396]		04	EDSP04SGRFNTR04	4-2319764-7	2.54 [.100]	4.98 [.196]			02		EDSP02SGRNSTU04	2-2319764-1						
2.54 [.100]		4.98 [.196]		02	EDSP02SGRFNTR04	4-2319764-6	22.86 [.900]	25.30 [.996]			10		EDSP10SGRFNTU04	2-2319764-0						
22.86 [.900]		25.30 [.996]		10	EDSP10SGLFNTR04	4-2319764-5	17.78 [.700]	20.22 [.796]			08		EDSP08SGRFNTU04	1-2319764-9						
17.78 [.700]		20.22 [.796]		08	EDSP08SGLFNTR04	4-2319764-4	12.70 [.500]	15.14 [.596]			06		EDSP06SGRFNTU04	1-2319764-8						
12.70 [.500]		15.14 [.596]		06	EDSP06SGLFNTR04	4-2319764-3	7.62 [.300]	10.06 [.396]			04		EDSP04SGRFNTU04	1-2319764-7						
NO	LONG	UP ON		7.62 [.300]	10.06 [.396]	04	EDSP04SGLFNTR04	4-2319764-2		NO	LONG		UP ON	2.54 [.100]	4.98 [.196]	02	EDSP02SGRFNTU04	1-2319764-6		
				2.54 [.100]	4.98 [.196]	02	EDSP02SGLFNTR04	4-2319764-1						22.86 [.900]	25.30 [.996]	10	EDSP10SGLFNTU04	1-2319764-5		
				22.86 [.900]	25.30 [.996]	10	EDSP10SGRNNTRO4	4-2319764-0						17.78 [.700]	20.22 [.796]	08	EDSP08SGLFNTU04	1-2319764-4		
				17.78 [.700]	20.22 [.796]	08	EDSP08SGRNNTRO4	3-2319764-9						12.70 [.500]	15.14 [.596]	06	EDSP06SGLFNTU04	1-2319764-3		
				12.70 [.500]	15.14 [.596]	06	EDSP06SGRNNTRO4	3-2319764-8						7.62 [.300]	10.06 [.396]	04	EDSP04SGLFNTU04	1-2319764-2		
	7.62 [.300]			10.06 [.396]	04	EDSP04SGRNNTRO4	3-2319764-7	2.54 [.100]			4.98 [.196]			02	EDSP02SGLFNTU04	1-2319764-1				
	2.54 [.100]			4.98 [.196]	02	EDSP02SGRNNTRO4	3-2319764-6	22.86 [.900]			25.30 [.996]			10	EDSP10SGRNNTU04	1-2319764-0				
	22.86 [.900]			25.30 [.996]	10	EDSP10SGLNNTR04	3-2319764-5	17.78 [.700]			20.22 [.796]			08	EDSP08SGRNNTU04	2319764-9				
	17.78 [.700]			20.22 [.796]	08	EDSP08SGLNNTR04	3-2319764-4	12.70 [.500]			15.14 [.596]			06	EDSP06SGRNNTU04	2319764-8				
	12.70 [.500]			15.14 [.596]	06	EDSP06SGLNNTR04	3-2319764-3	7.62 [.300]			10.06 [.396]			04	EDSP04SGRNNTU04	2319764-7				
DOWN ON	LONG	DOWN ON	7.62 [.300]	10.06 [.396]	04	EDSP04SGLNNTR04	3-2319764-2	NO	SHORT	DOWN ON	2.54 [.100]	4.98 [.196]	02	EDSP02SGRNNTU04	2319764-6					
			2.54 [.100]	4.98 [.196]	02	EDSP02SGLNNTR04	3-2319764-1				22.86 [.900]	25.30 [.996]	10	EDSP10SGLNNTU04	2319764-5					
			22.86 [.900]	25.30 [.996]	10	EDSP10SGRFSTU04	3-2319764-0				17.78 [.700]	20.22 [.796]	08	EDSP08SGLNNTU04	2319764-4					
			17.78 [.700]	20.22 [.796]	08	EDSP08SGRFSTU04	2-2319764-9				12.70 [.500]	15.14 [.596]	06	EDSP06SGLNNTU04	2319764-3					
			12.70 [.500]	15.14 [.596]	06	EDSP06SGRFSTU04	2-2319764-8				7.62 [.300]	10.06 [.396]	04	EDSP04SGLNNTU04	2319764-2					
	7.62 [.300]		10.06 [.396]	04	EDSP04SGRFSTU04	2-2319764-7	2.54 [.100]		4.98 [.196]		02	EDSP02SGLNNTU04	2319764-1							
	YES		SHORT	UP ON	2	22.86 [.900]	25.30 [.996]		10		EDSP10SGRFSTU04	3-2319764-0	NO	LONG	DOWN ON	22.86 [.900]	25.30 [.996]	10	EDSP10SGRNNTU04	2319764-5
						17.78 [.700]	20.22 [.796]		08		EDSP08SGRFSTU04	2-2319764-9				17.78 [.700]	20.22 [.796]	08	EDSP08SGLNNTU04	2319764-4
						12.70 [.500]	15.14 [.596]		06		EDSP06SGRFSTU04	2-2319764-8				12.70 [.500]	15.14 [.596]	06	EDSP06SGLNNTU04	2319764-3
						7.62 [.300]	10.06 [.396]		04		EDSP04SGRFSTU04	2-2319764-7				7.62 [.300]	10.06 [.396]	04	EDSP04SGLNNTU04	2319764-2
2.54 [.100]		4.98 [.196]				02	EDSP02SGRFSTU04	2-2319764-6	2.54 [.100]	4.98 [.196]	02	EDSP02SGLNNTU04				2319764-1				
TAPE	ACTUATOR TYPE	ACTUATION PUSH	NOTE	B	A	No OF POSITION	TE DESCRIPTIVE PART NUMBER	TE PART NUMBER	TAPE	ACTUATOR TYPE	ACTUATION PUSH	NOTE	B	A	No OF POSITION	TE DESCRIPTIVE PART NUMBER	TE PART NUMBER			

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

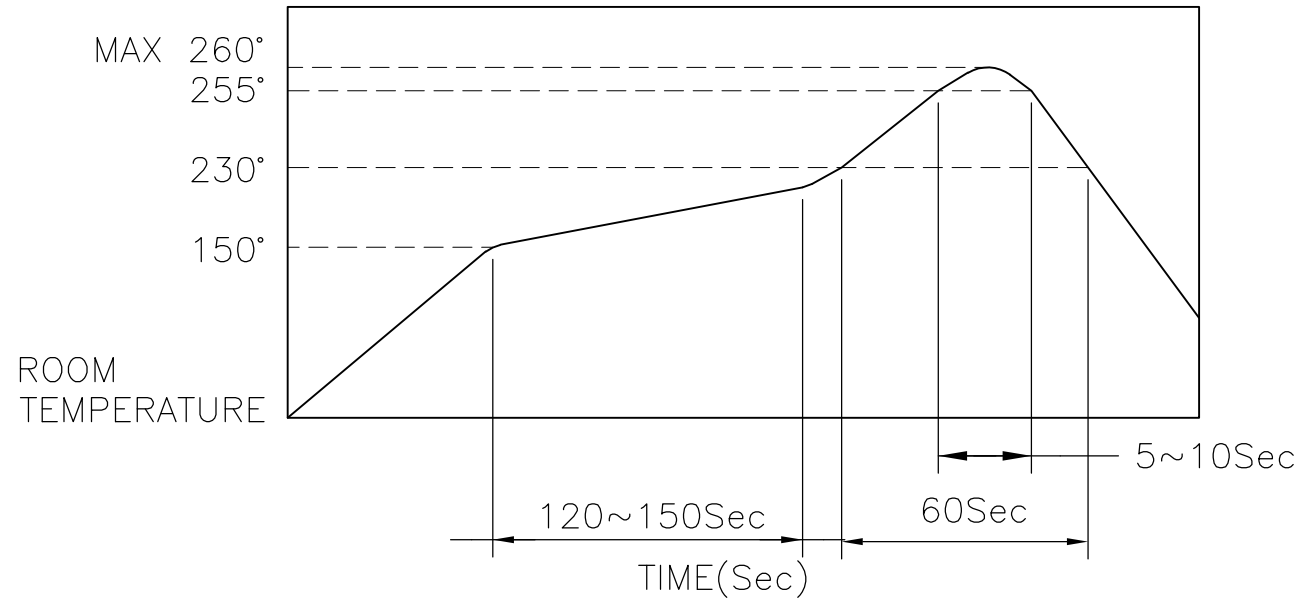
SOLDERING CONDITIONS:

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

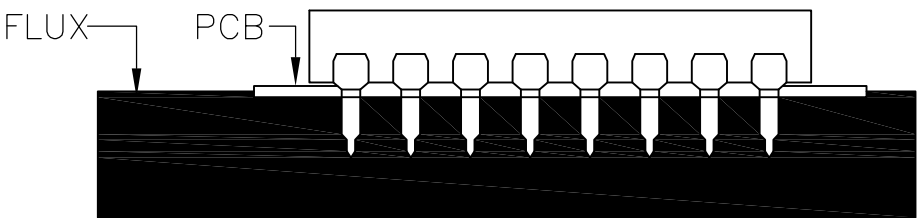
SOLDERING TEMPERATURE	MAX. 350°C.
CONTINUOUS SOLDERING TIME	MAX. 5 SECONDS.

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-0
COVER: PA (HIGH-TEMP. NYLON) UL94V-0
ACTUATOR: LCP UL94V-0
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: 100 VAC (50 OR 60 HZ), 1 MINUTE.
DURABILITY: 2,000 CYCLES.
CAPACITANCE: 5 pF MAX @ 1 MHz +/- 10 KHz.

MECHANICAL:

OPERATING FORCE: 800gf 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.

YES	SHORT	UP ON		22.86 [.900]	25.30 [.996]	10	EDSP10SGRFSTR04	6-2319764-0
				17.78 [.700]	20.22 [.796]	08	EDSP08SGRFSTR04	5-2319764-9
				12.70 [.500]	15.14 [.596]	06	EDSP06SGRFSTR04	5-2319764-8
				7.62 [.300]	10.06 [.396]	04	EDSP04SGRFSTR04	5-2319764-7
	DOWN ON			2.54 [.100]	4.98 [.196]	02	EDSP02SGRFSTR04	5-2319764-6
				22.86 [.900]	25.30 [.996]	10	EDSP10SGRNSTR04	5-2319764-5
				17.78 [.700]	20.22 [.796]	08	EDSP08SGRNSTR04	5-2319764-4
				12.70 [.500]	15.14 [.596]	06	EDSP06SGRNSTR04	5-2319764-3
TAPE	ACTUATOR TYPE	ACTUATION PUSH	NOTE	B	A	No OF POSITION	TE DESCRIPTIVE PART NUMBER	TE PART NUMBER
				DIM				
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN 12MAY2017 SHIVAKUMAR S S		TE Connectivity		
DIMENSIONS: mm[INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK 12MAY2017 ALEXANDER SHARPE				
		0 PLC ± - 1 PLC ± - 2 PLC ± 0.20[.008] 3 PLC ± - 4 PLC ± - ANGLES ± ± -		APVD 12MAY2017 ALEXANDER SHARPE		NAME PIANO DIP SWITCH END STACKABLE		
				PRODUCT SPEC —				
MATERIAL —		FINISH —		APPLICATION SPEC —		SIZE A2		
				WEIGHT				
CUSTOMER DRAWING				00779		DRAWING NO C-2319764		RESTRICTED TO —
				SCALE 1:1		SHEET 4 of 4		REV A

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[3-2319764-9](#)